

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062611.D
 Acq On : 5 Jun 2019 13:52
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 06 05:28:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:23:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	793315	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	1119979	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	903459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	485758	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	47549	4.37	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	8.74%	
35) Dibromofluoromethane	6.94	113	53382	4.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.38%	
50) Toluene-d8	10.42	98	108032	4.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.82%	
62) 4-Bromofluorobenzene	13.56	95	55312	4.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	69446	7.077	ug/l	96
3) Chloromethane	1.76	50	49826	6.504	ug/l	100
4) Vinyl Chloride	1.86	62	42275	5.627	ug/l	97
5) Bromomethane	2.16	94	26174	7.093	ug/l #	93
6) Chloroethane	2.28	64	22835	6.023	ug/l	100
7) Trichlorofluoromethane	2.55	101	96851	5.775	ug/l	95
8) Diethyl Ether	2.88	74	12424	5.700	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.16	101	50810	5.389	ug/l	93
10) Methyl Iodide	3.32	142	59021	4.890	ug/l #	82
11) Tert butyl alcohol	4.08	59	14051	28.836	ug/l #	77
12) 1,1-Dichloroethene	3.14	96	38149	5.521	ug/l	93
13) Acrolein	3.04	56	4626	26.845	ug/l #	58
14) Allyl chloride	3.63	41	52241	4.960	ug/l	98
15) Acrylonitrile	4.20	53	26298	24.757	ug/l #	82
16) Acetone	3.24	43	45823	23.432	ug/l	98
17) Carbon Disulfide	3.38	76	107714	5.349	ug/l #	92
18) Methyl Acetate	3.65	43	22584	6.494	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	81348	4.855	ug/l	98
20) Methylene Chloride	3.83	84	46361	6.091	ug/l	94
21) trans-1,2-Dichloroethene	4.24	96	37135	4.929	ug/l	93
22) Diisopropyl ether	5.13	45	112982	5.078	ug/l	96
23) Vinyl Acetate	5.08	43	322966	23.863	ug/l	98
24) 1,1-Dichloroethane	5.00	63	77766	5.548	ug/l #	94
25) 2-Butanone	6.08	43	42429	22.840	ug/l	97
26) 2,2-Dichloropropane	6.03	77	78643	5.135	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	43441	5.350	ug/l	87
28) Bromochloromethane	6.44	49	26360	4.971	ug/l #	71
29) Tetrahydrofuran	6.47	42	22514	26.108	ug/l	98
30) Chloroform	6.67	83	85827	4.923	ug/l	95
31) Cyclohexane	6.97	56	46475	5.187	ug/l #	93
32) 1,1,1-Trichloroethane	6.89	97	92802	5.258	ug/l	98
36) 1,1-Dichloropropene	7.15	75	64978	5.396	ug/l	95
37) Ethyl Acetate	6.21	43	22086	4.545	ug/l #	94
38) Carbon Tetrachloride	7.12	117	80189	4.393	ug/l	84

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062611.D
 Acq On : 5 Jun 2019 13:52
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Quant Time: Jun 06 05:28:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:23:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.88	83	50090	4.865	ug/l #	80
40) Benzene	7.47	78	119777	5.036	ug/l	98
41) Methacrylonitrile	6.46	41	30173	4.795	ug/l #	96
42) 1,2-Dichloroethane	7.59	62	67234	4.803	ug/l	99
43) Isopropyl Acetate	9.25	43	31894	4.775	ug/l #	100
44) Trichloroethene	8.55	130	48116	4.989	ug/l	99
45) 1,2-Dichloropropane	8.95	63	29237	4.909	ug/l #	87
46) Dibromomethane	9.08	93	25664	4.953	ug/l #	78
47) Bromodichloromethane	9.39	83	69345	4.969	ug/l	94
48) Methyl methacrylate	9.13	41	22040	4.852	ug/l #	86
49) 1,4-Dioxane	9.09	88	2493	69.158	ug/l #	91
51) 4-Methyl-2-Pentanone	10.31	43	104280	23.979	ug/l	98
52) Toluene	10.52	92	73914	4.686	ug/l	91
53) t-1,3-Dichloropropene	10.92	75	51094	4.410	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	52708	4.467	ug/l #	88
55) 1,1,2-Trichloroethane	11.20	97	25088	4.636	ug/l #	92
56) Ethyl methacrylate	11.04	69	27870	4.621	ug/l #	87
57) 1,3-Dichloropropane	11.42	76	39085	4.626	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	72020	23.281	ug/l	98
59) 2-Hexanone	11.53	43	73882	22.405	ug/l	87
60) Dibromochloromethane	11.69	129	47819	4.522	ug/l	96
61) 1,2-Dibromoethane	11.81	107	32502	4.903	ug/l	98
64) Tetrachloroethene	11.26	164	43419	5.321	ug/l #	87
65) Chlorobenzene	12.41	112	88189	4.698	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	45006	4.987	ug/l	97
67) Ethyl Benzene	12.53	91	181213	5.341	ug/l	95
68) m/p-Xylenes	12.68	106	117025	9.888	ug/l	86
69) o-Xylene	13.05	106	60032	5.264	ug/l	95
70) Styrene	13.08	104	94420	4.929	ug/l	98
71) Bromoform	13.24	173	28822	4.624	ug/l	89
73) Isopropylbenzene	13.40	105	160894	4.764	ug/l	96
74) N-amyl acetate	13.27	43	41798	4.793	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	13.70	83	28590	5.049	ug/l	86
76) 1,2,3-Trichloropropane	13.74	75	33172	5.235	ug/l	88
77) Bromobenzene	13.67	156	46223	4.920	ug/l	92
78) n-propylbenzene	13.78	91	207637	5.301	ug/l	95
79) 2-Chlorotoluene	13.85	91	122876	5.174	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	152853	5.258	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	8183	5.024	ug/l	82
82) 4-Chlorotoluene	13.95	91	148242	5.305	ug/l	83
83) tert-Butylbenzene	14.19	119	174465	5.451	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	157956	5.309	ug/l	95
85) sec-Butylbenzene	14.37	105	168963	5.123	ug/l	99
86) p-Isopropyltoluene	14.50	119	158795	5.008	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	73715	4.675	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	78442	4.912	ug/l	94
89) n-Butylbenzene	14.80	91	155863	5.287	ug/l	98
90) Hexachloroethane	15.01	117	42392	5.080	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	73683	5.061	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	6025	5.202	ug/l	68

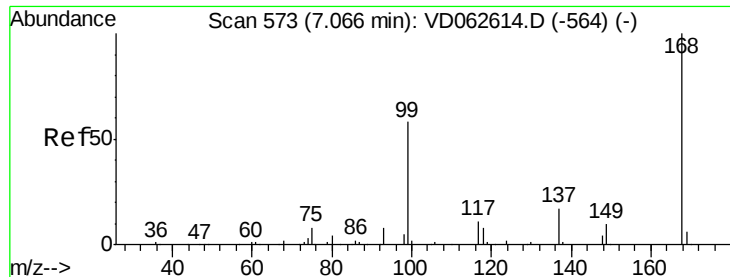
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060519\
Data File : VD062611.D
Acq On : 5 Jun 2019 13:52
Operator : FY/SY
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Jun 06 05:28:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 06 05:23:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	51788	4.950	ug/l	97
94) Hexachlorobutadiene	16.04	225	36615	4.666	ug/l	99
95) Naphthalene	16.13	128	72756	4.857	ug/l	97
96) 1,2,3-Trichlorobenzene	16.28	180	39636	4.955	ug/l	90

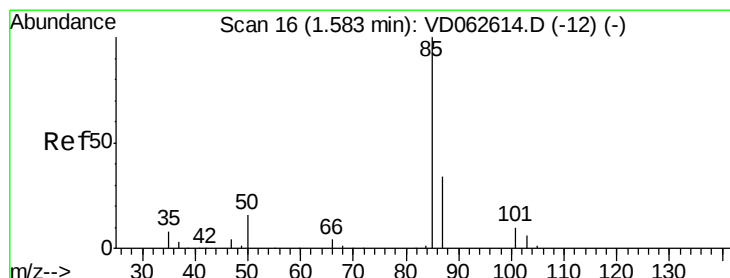
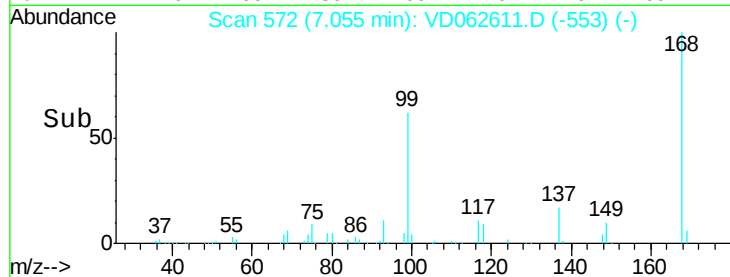
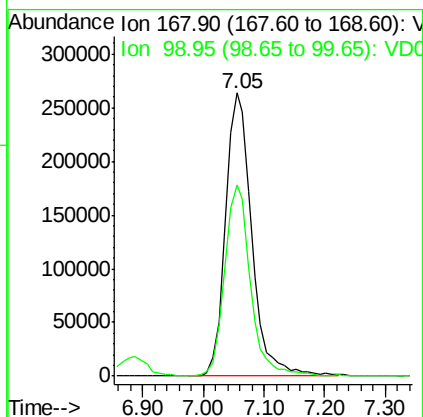
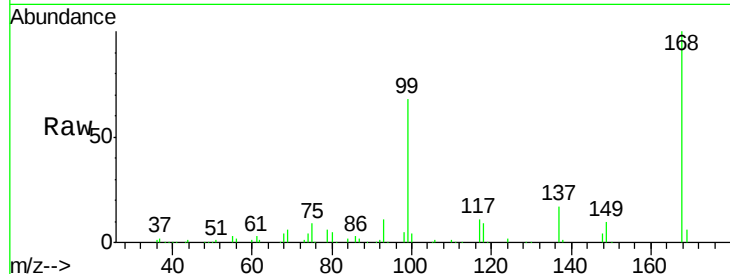
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.01 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

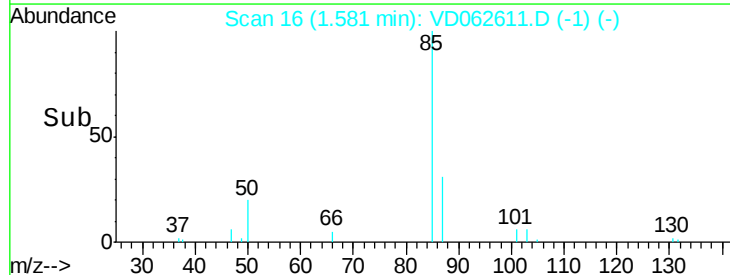
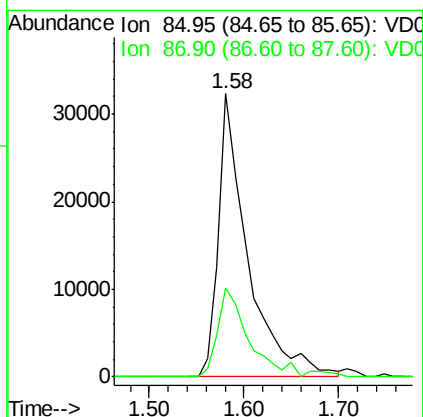
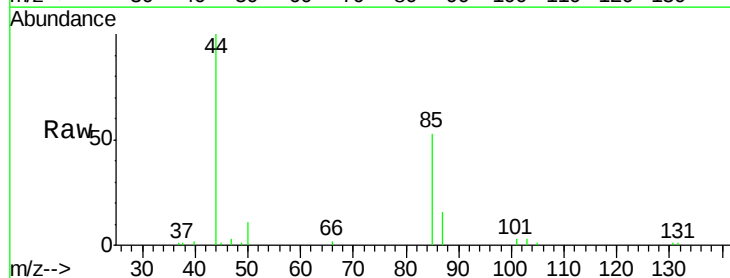
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

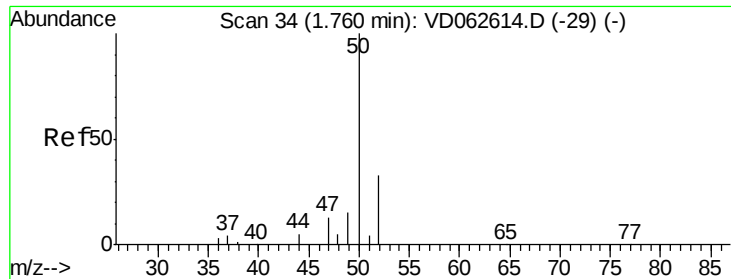
Tot Ion:168 Resp: 793315
Ion Ratio Lower Upper
168 100
99 67.7 48.1 72.1



#2
Dichlorodifluoromethane
Concen: 7.077 ug/l
RT: 1.58 min Scan# 16
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Tgt Ion: 85 Resp: 69446
Ion Ratio Lower Upper
85 100
87 31.3 16.9 50.6





#3

Chloromethane

Concen: 6.504 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

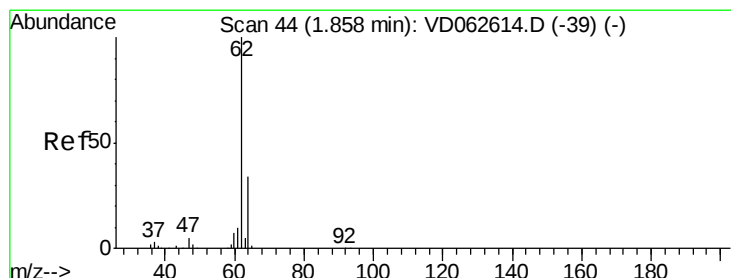
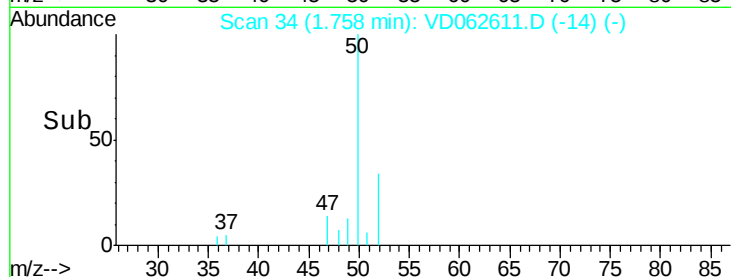
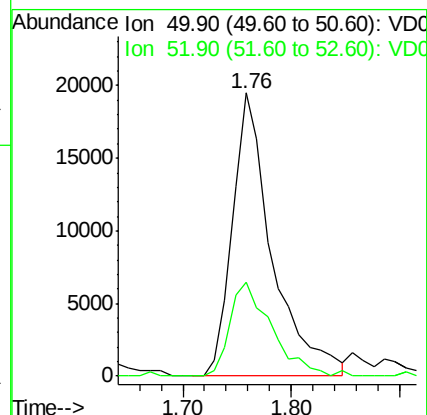
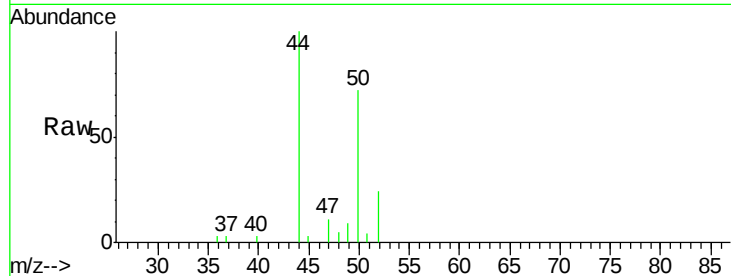
VSTDIC005

Tot Ion: 50 Resp: 49826

Ion Ratio Lower Upper

50 100

52 33.1 26.6 40.0



#4

Vinyl Chloride

Concen: 5.627 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD062611.D

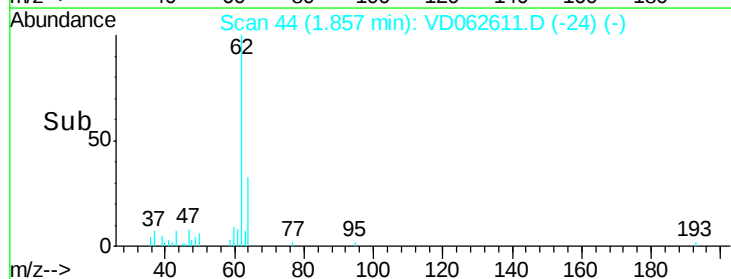
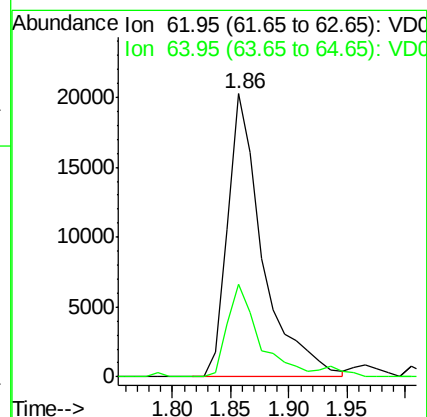
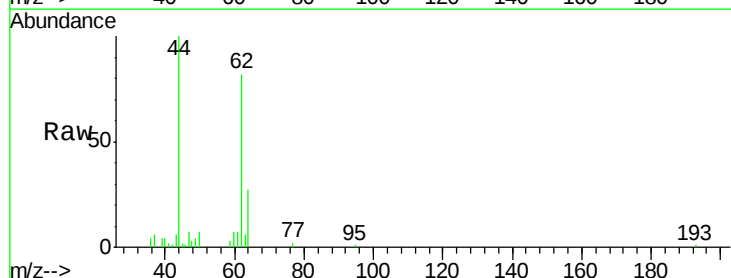
Acq: 5 Jun 2019 13:52

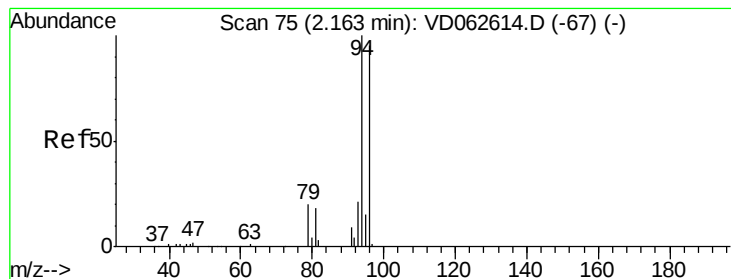
Tgt Ion: 62 Resp: 42275

Ion Ratio Lower Upper

62 100

64 32.5 27.2 40.8





#5

Bromomethane

Concen: 7.093 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

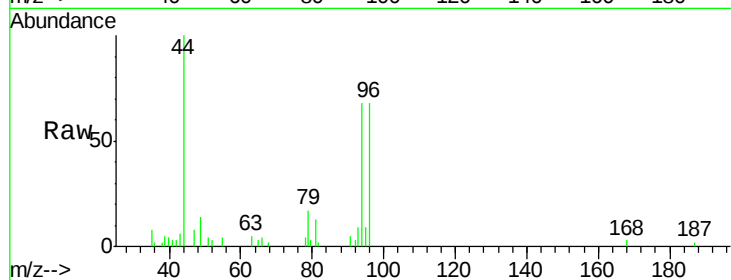
Tot Ion: 94 Resp: 26174

Ion Ratio Lower Upper

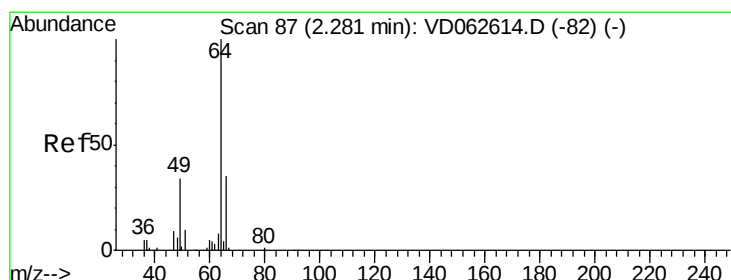
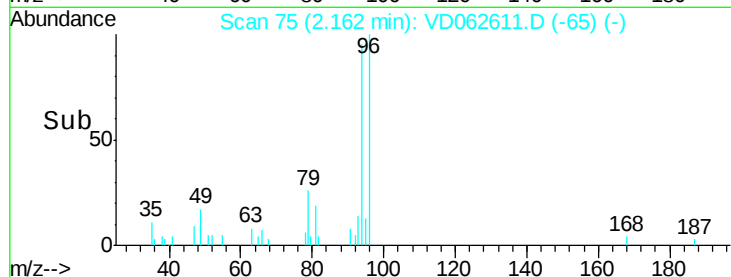
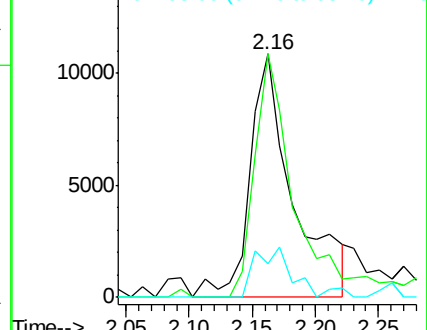
94 100

96 100.0 75.8 113.8

93 13.8 16.6 25.0#



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 6.023 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD062611.D

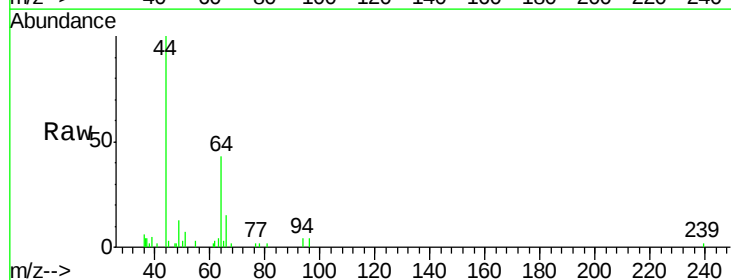
Acq: 5 Jun 2019 13:52

Tgt Ion: 64 Resp: 22835

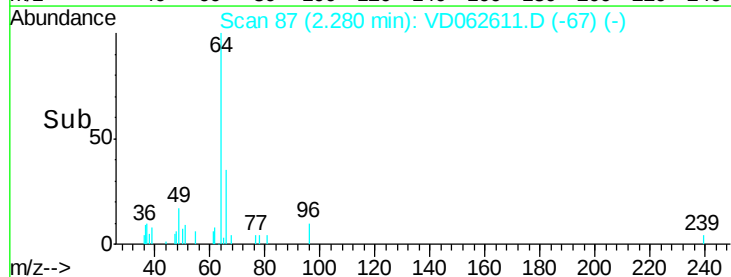
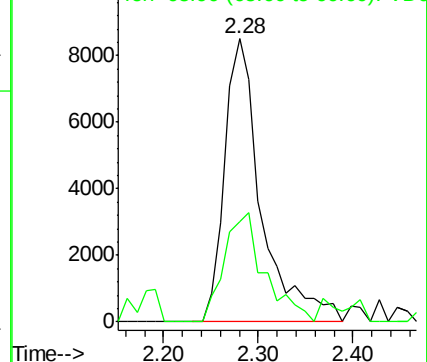
Ion Ratio Lower Upper

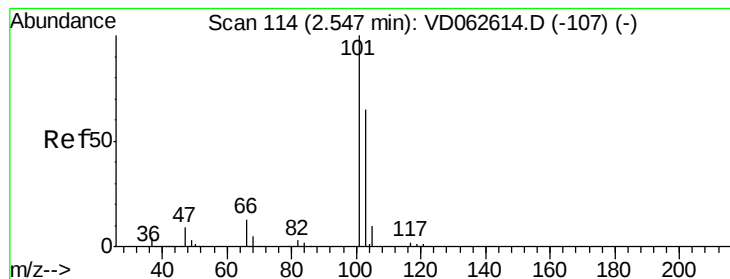
64 100

66 35.4 28.4 42.6



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



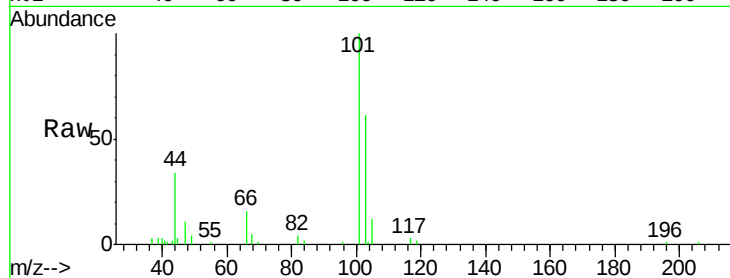


#7

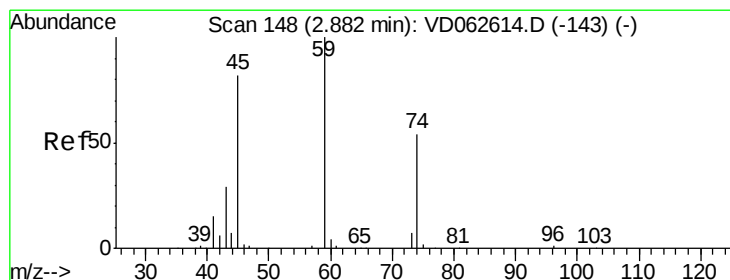
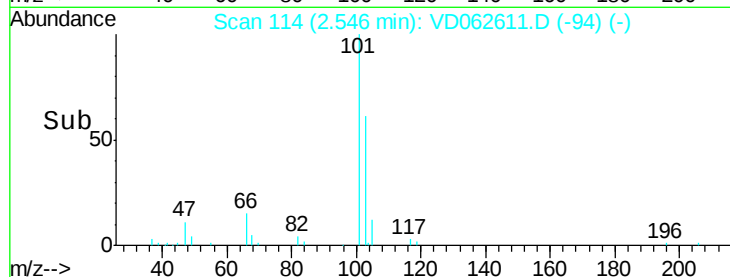
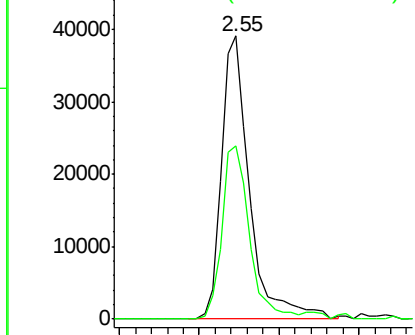
Trichlorofluoromethane
 Concen: 5.775 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:101 Resp: 96851
 Ion Ratio Lower Upper
 101 100
 103 61.3 52.1 78.1



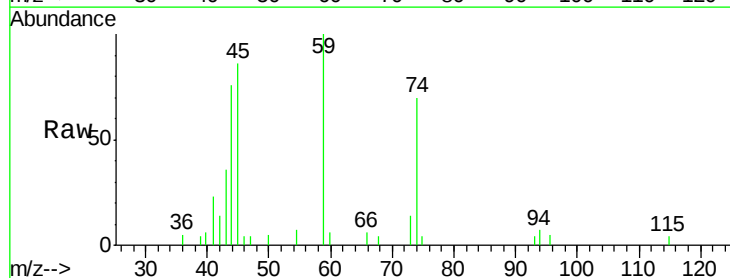
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



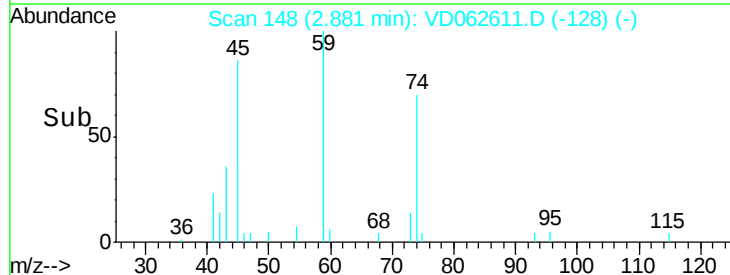
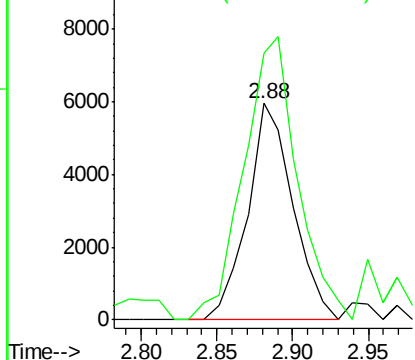
#8

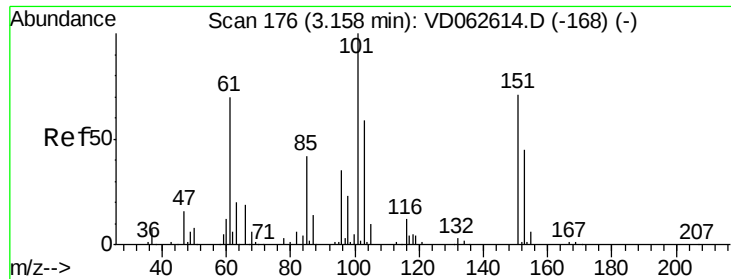
Diethyl Ether
 Concen: 5.700 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Tgt Ion: 74 Resp: 12424
 Ion Ratio Lower Upper
 74 100
 45 123.3 75.6 226.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.389 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

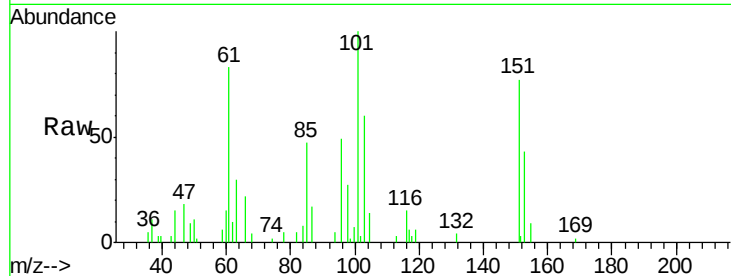
Tot Ion:101 Resp: 50810

Ion Ratio Lower Upper

101 100

85 46.7 33.8 50.6

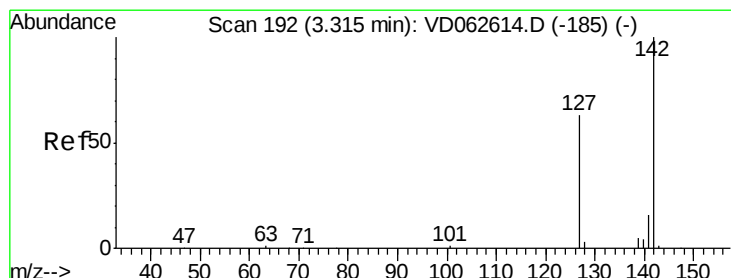
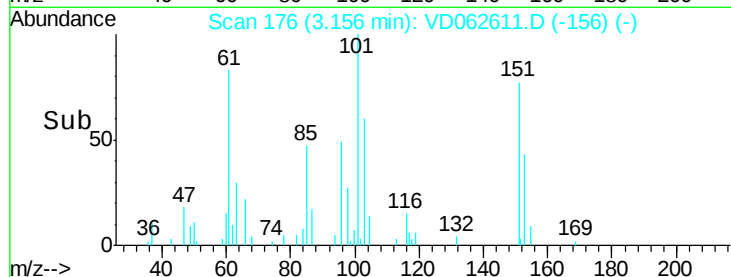
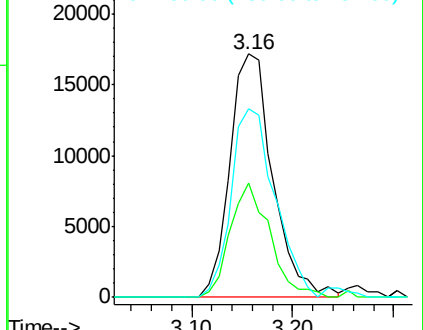
151 77.3 56.8 85.2



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 4.890 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.01 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

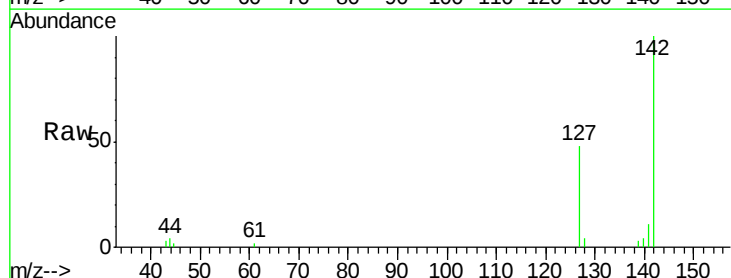
Tgt Ion:142 Resp: 59021

Ion Ratio Lower Upper

142 100

127 48.1 50.7 76.1#

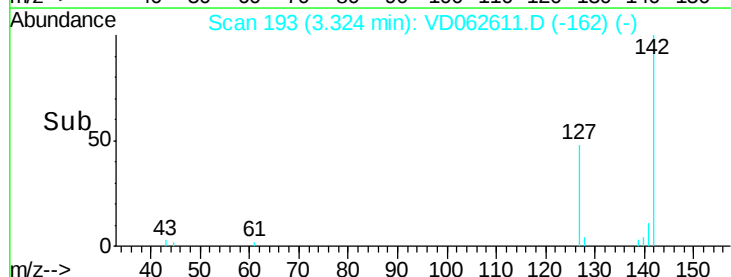
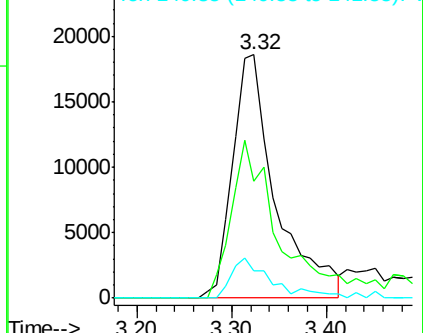
141 11.0 12.9 19.3#

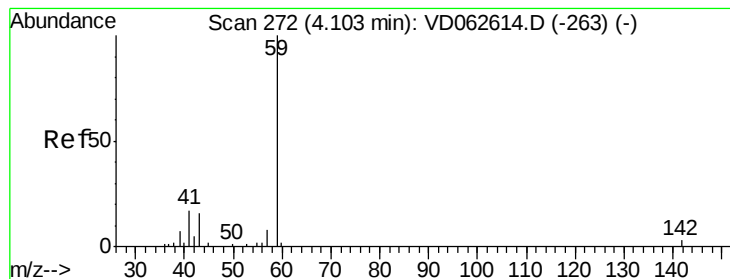


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



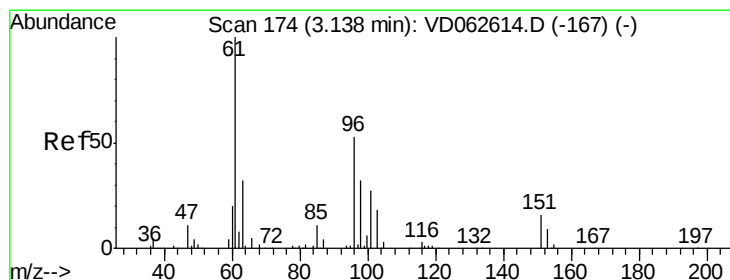
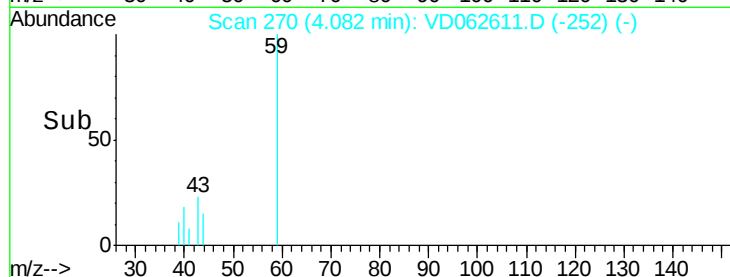
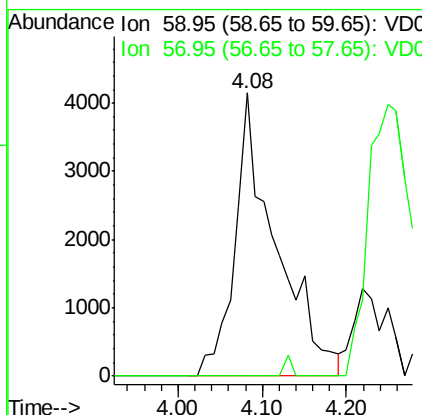
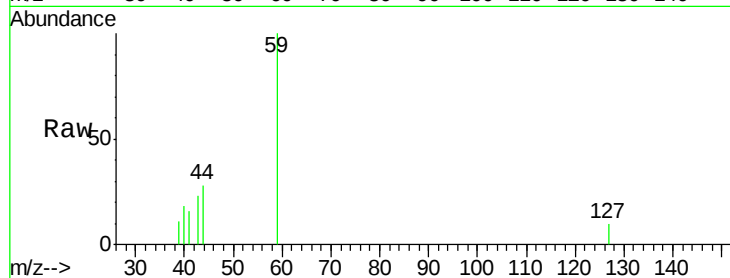


#11

Tert butyl alcohol
 Concen: 28.836 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.02 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

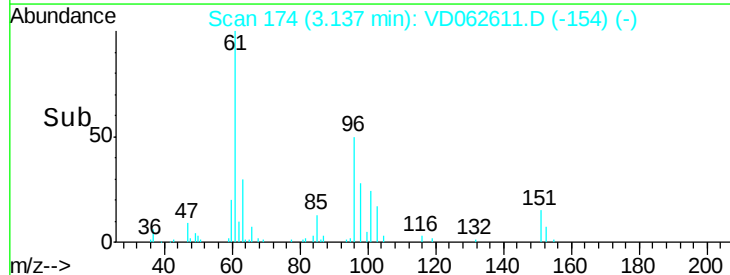
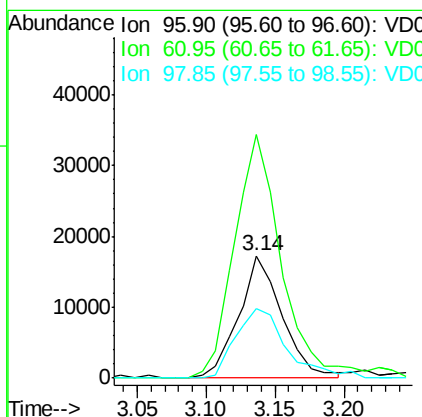
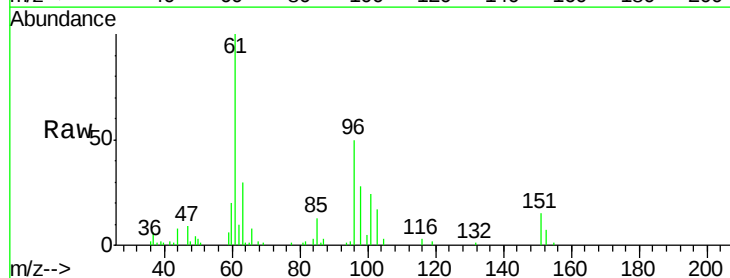
Tot Ion: 59 Resp: 14051
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.4 9.6#

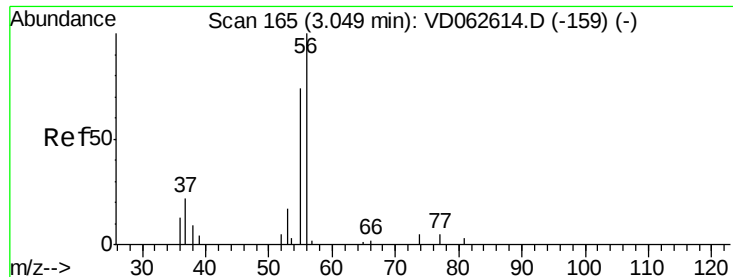


#12

1,1-Dichloroethene
 Concen: 5.521 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Tgt Ion: 96 Resp: 38149
 Ion Ratio Lower Upper
 96 100
 61 199.2 151.3 226.9
 98 56.5 48.6 72.8





#13

Acrolein

Concen: 26.845 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

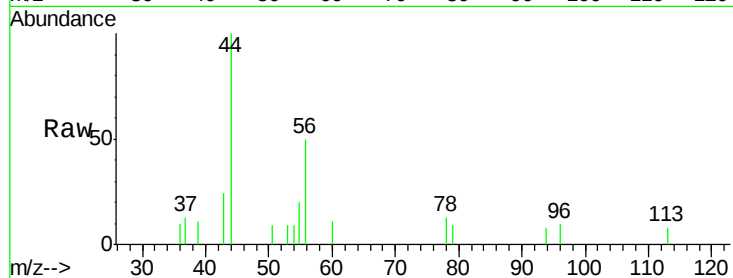
VSTDIC005

Tot Ion: 56 Resp: 4626

Ion Ratio Lower Upper

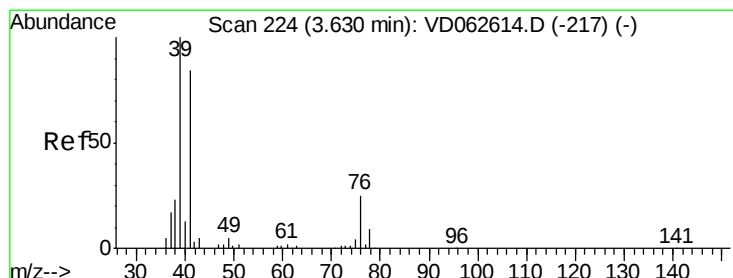
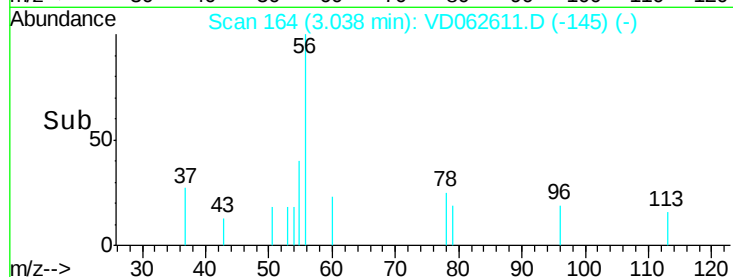
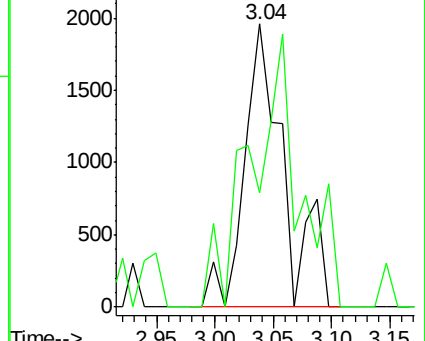
56 100

55 40.2 61.4 92.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 4.960 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

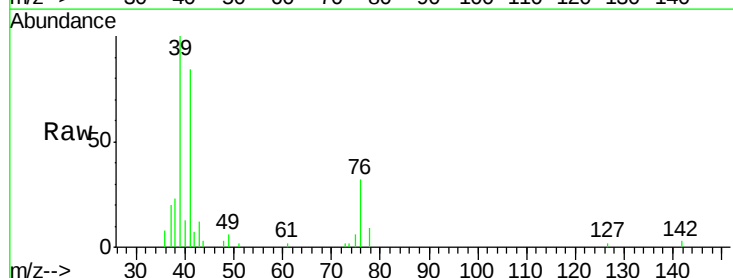
Tgt Ion: 41 Resp: 52241

Ion Ratio Lower Upper

41 100

39 119.2 95.5 143.3

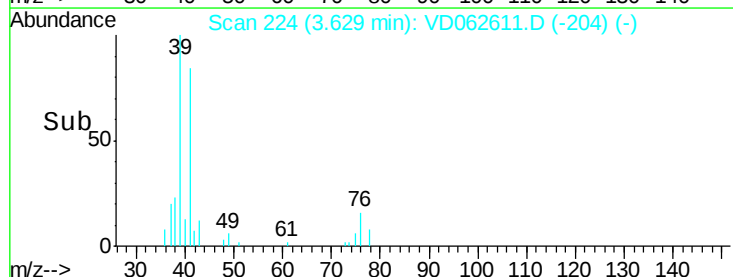
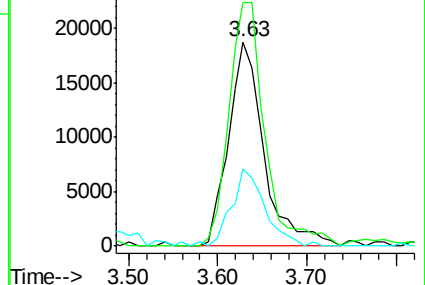
76 37.9 25.4 38.0

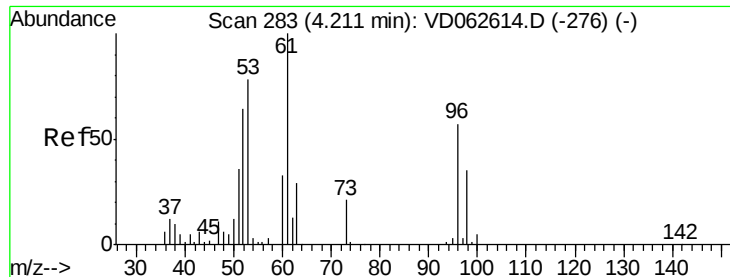


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 24.757 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

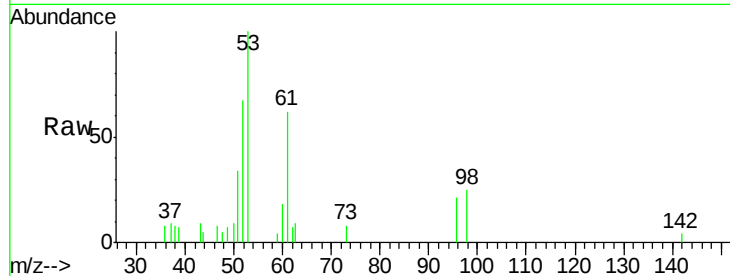
Tot Ion: 53 Resp: 26298

Ion Ratio Lower Upper

53 100

52 66.7 65.8 98.6

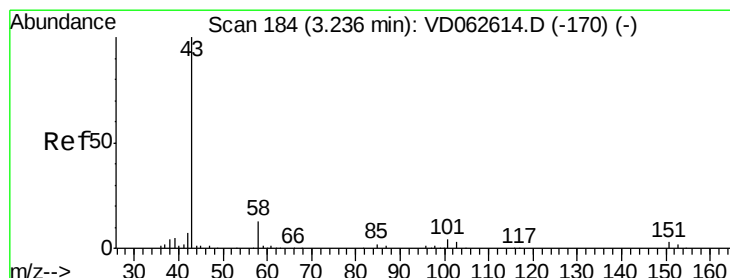
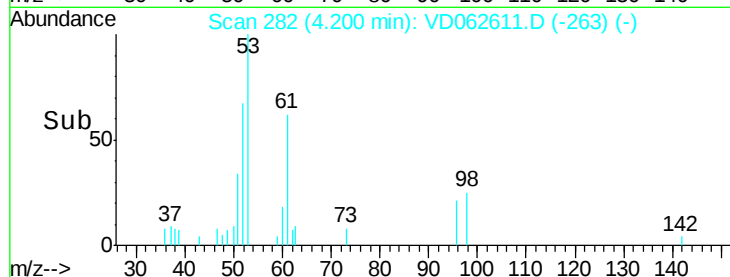
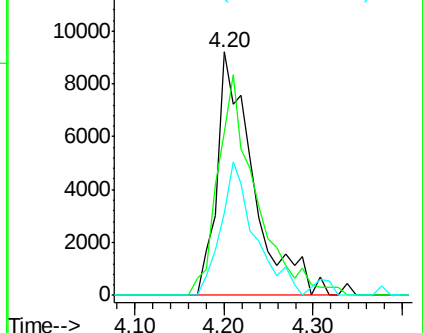
51 33.7 36.9 55.3#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 23.432 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.01 min

Lab File: VD062611.D

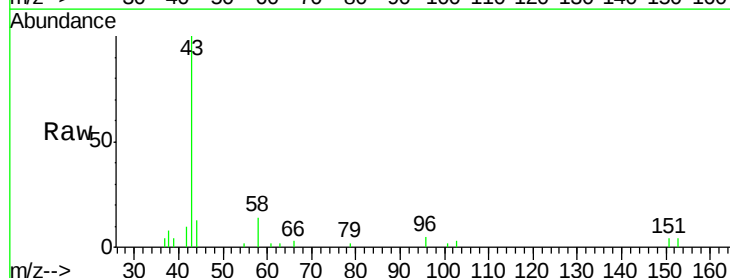
Acq: 5 Jun 2019 13:52

Tgt Ion: 43 Resp: 45823

Ion Ratio Lower Upper

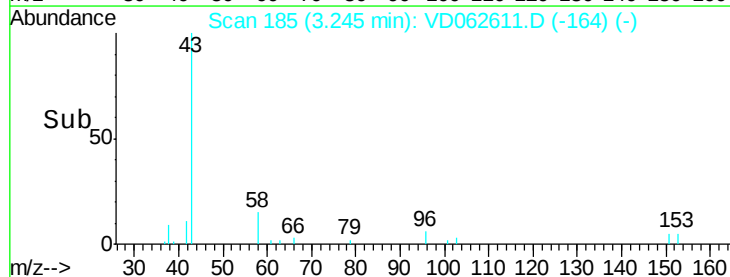
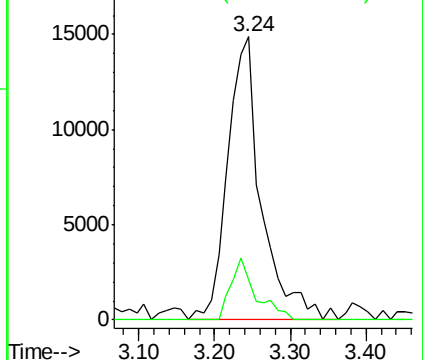
43 100

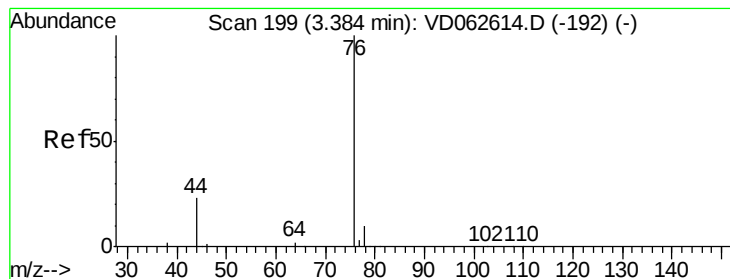
58 14.2 10.7 16.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 5.349 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

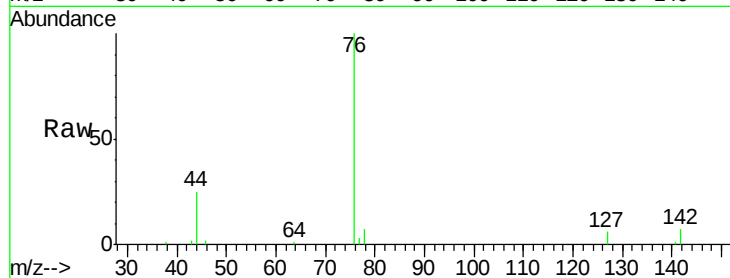
VSTDIC005

Tot Ion: 76 Resp: 107714

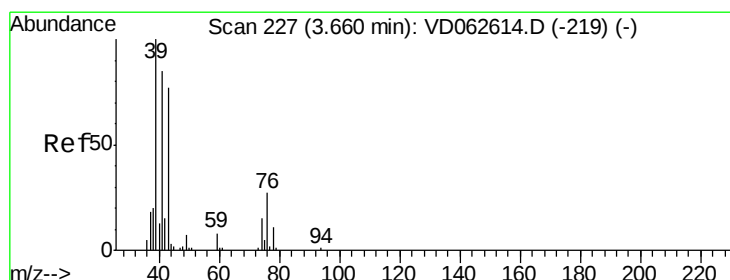
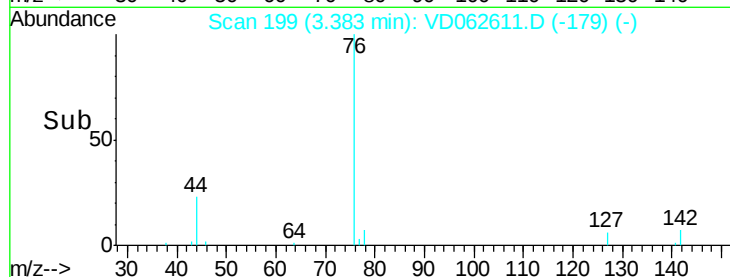
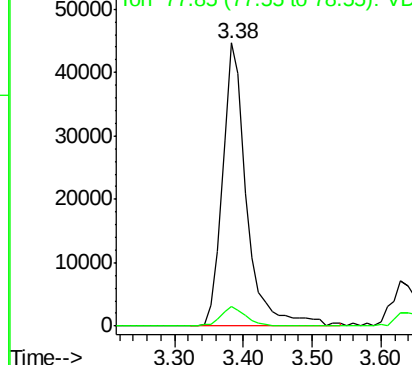
Ion Ratio Lower Upper

76 100

78 7.0 8.1 12.1#



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 6.494 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD062611.D

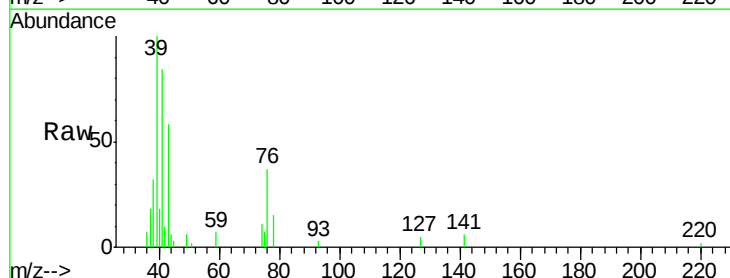
Acq: 5 Jun 2019 13:52

Tgt Ion: 43 Resp: 22584

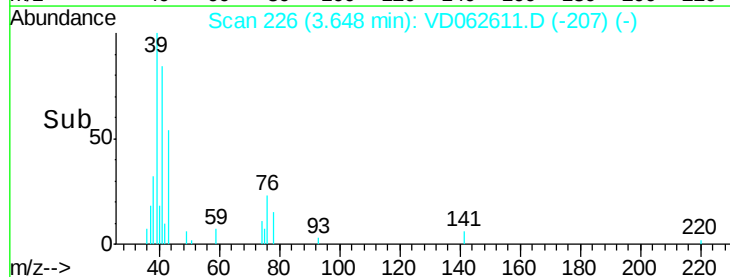
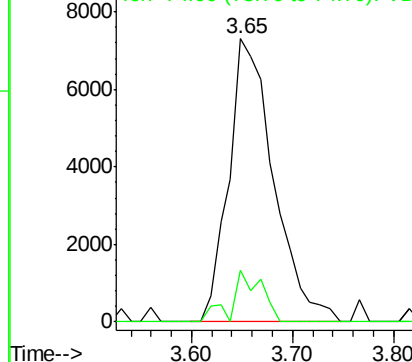
Ion Ratio Lower Upper

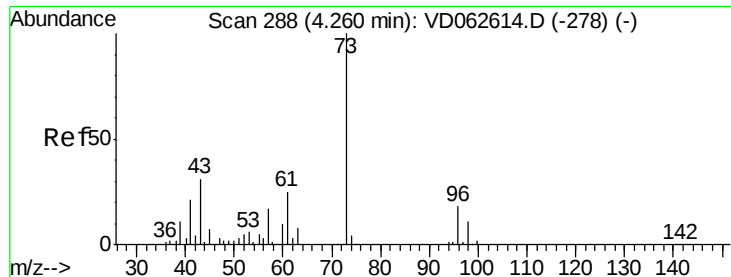
43 100

74 18.4 15.5 23.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



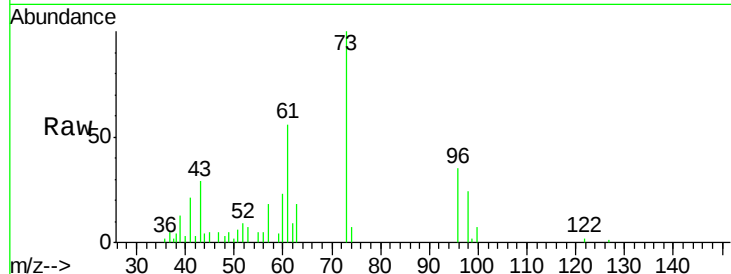


#19

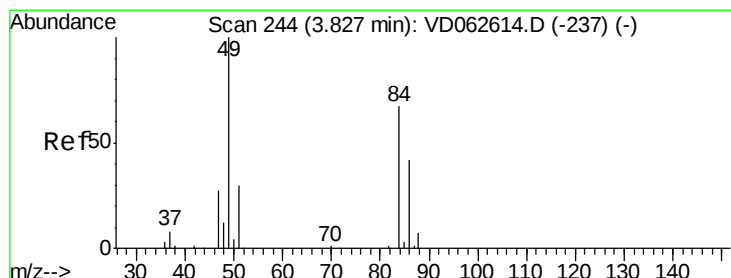
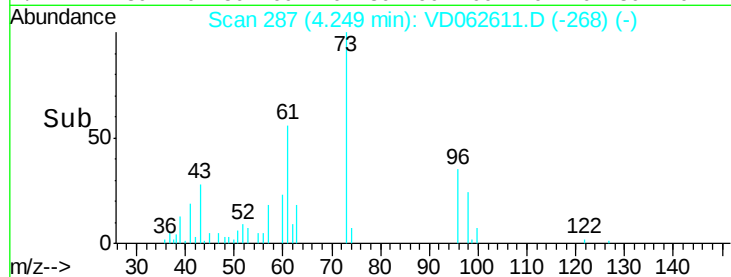
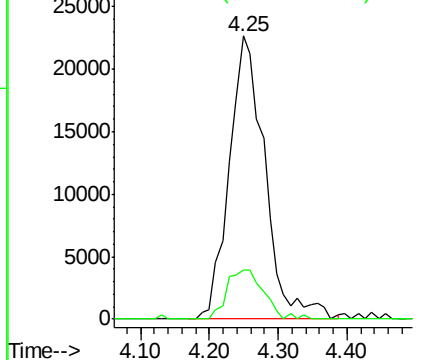
Methyl tert-butyl Ether
 Concen: 4.855 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Tot Ion: 73 Resp: 81348
 Ion Ratio Lower Upper
 73 100
 57 17.6 13.5 20.3



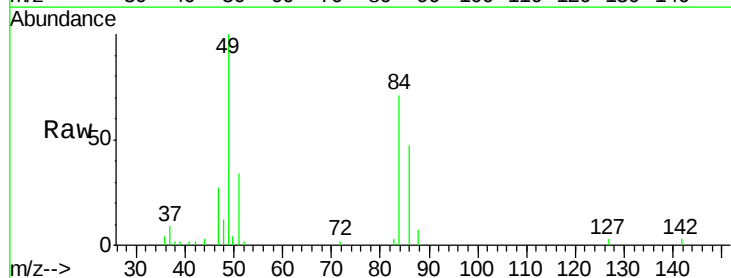
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



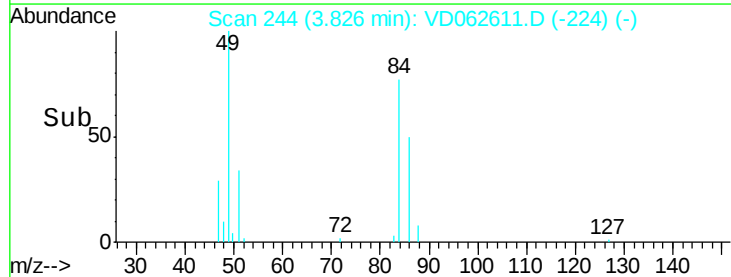
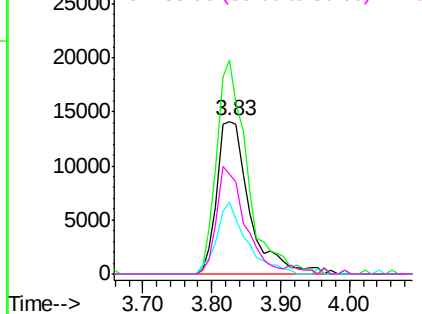
#20

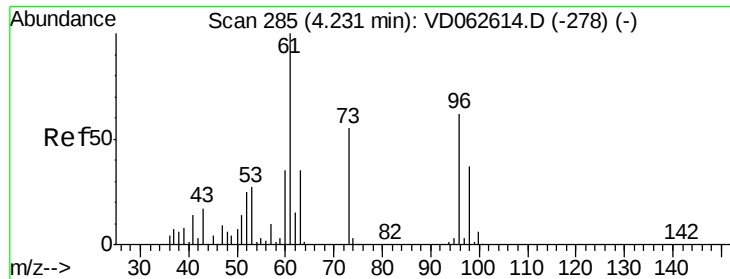
Methylene Chloride
 Concen: 6.091 ug/l
 RT: 3.83 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Tgt Ion: 84 Resp: 46361
 Ion Ratio Lower Upper
 84 100
 49 140.0 119.0 178.6
 51 47.3 35.4 53.2
 86 65.2 50.0 75.0



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 4.929 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.01 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

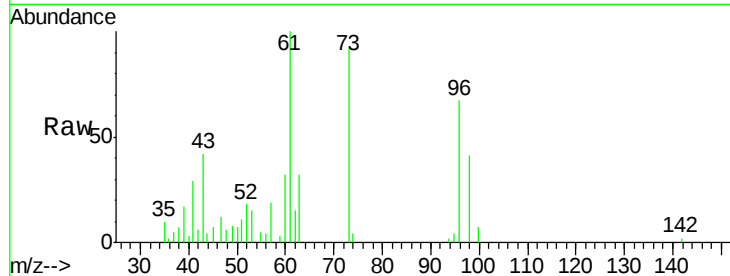
Tot Ion: 96 Resp: 37135

Ion Ratio Lower Upper

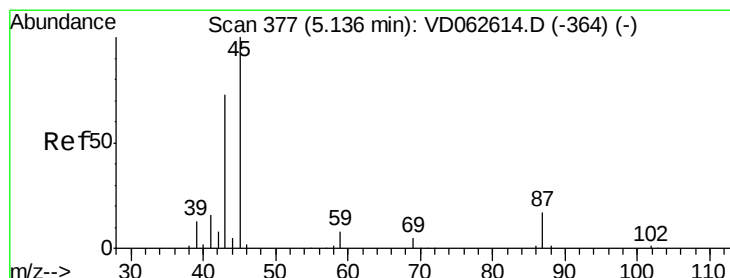
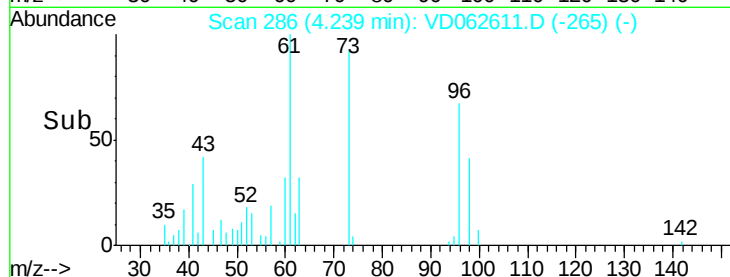
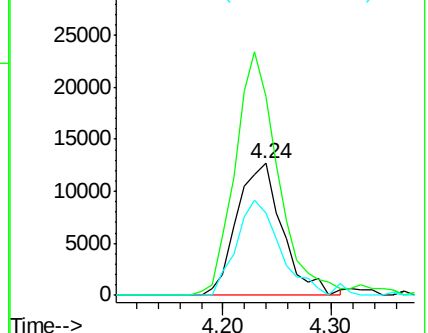
96 100

61 150.1 128.2 192.4

98 62.1 47.5 71.3



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 5.078 ug/l

RT: 5.13 min Scan# 377

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Tgt Ion: 45 Resp: 112982

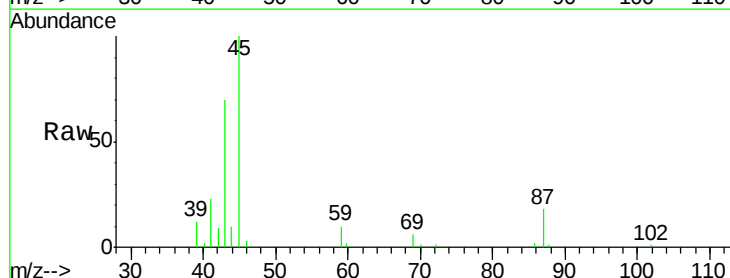
Ion Ratio Lower Upper

45 100

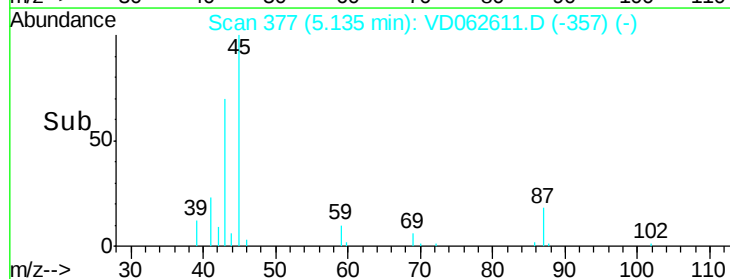
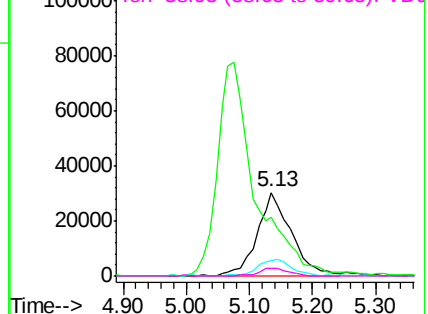
43 69.7 59.3 88.9

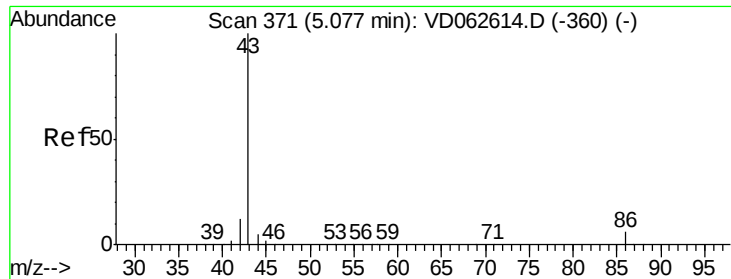
87 17.7 14.6 22.0

59 9.5 6.6 10.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 23.863 ug/l

RT: 5.08 min Scan# 371

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleID :

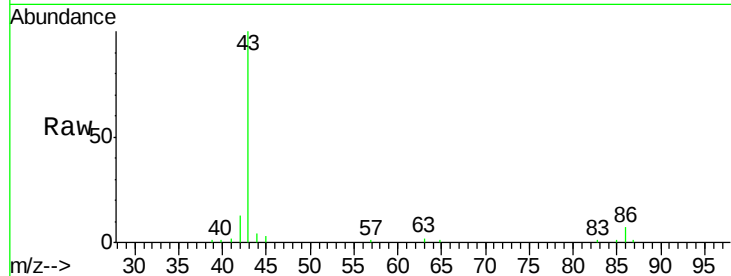
VSTDIC005

Tot Ion: 43 Resp: 322966

Ion Ratio Lower Upper

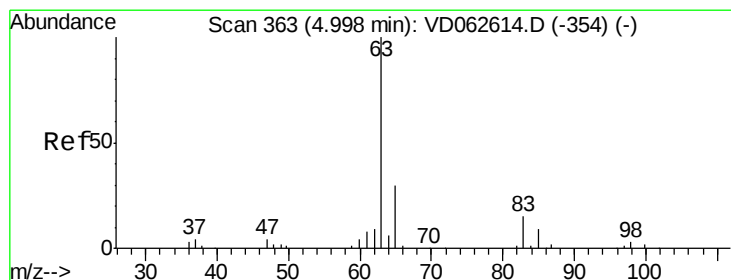
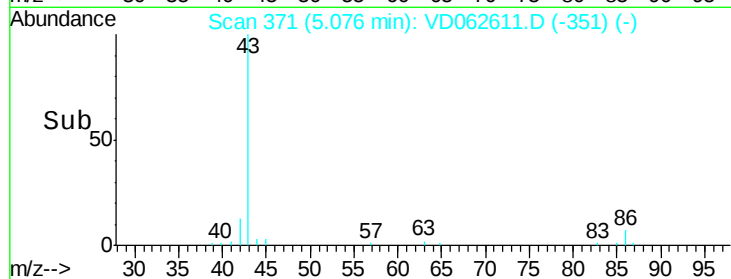
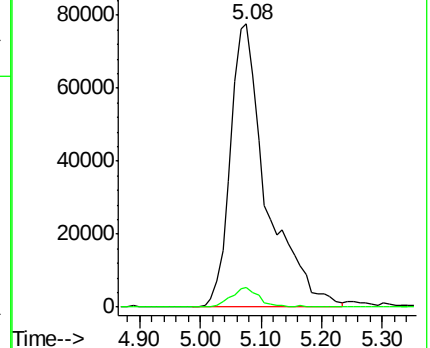
43 100

86 7.0 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.548 ug/l

RT: 5.00 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

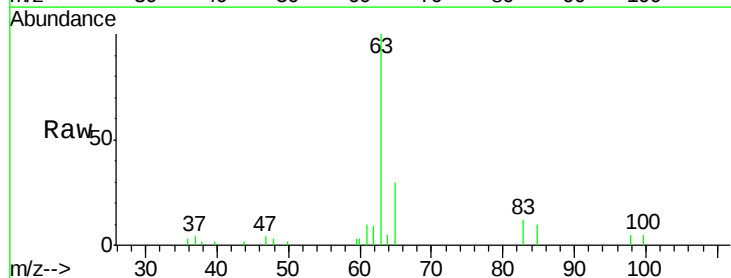
Tgt Ion: 63 Resp: 77766

Ion Ratio Lower Upper

63 100

98 5.1 1.7 5.1

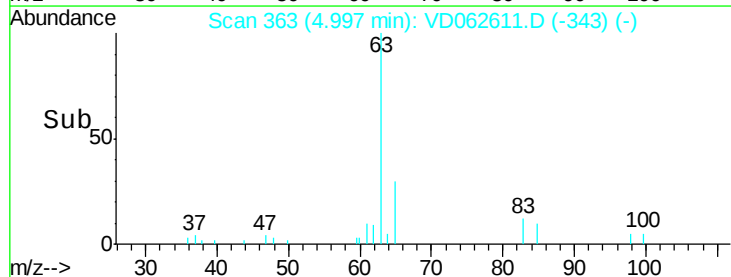
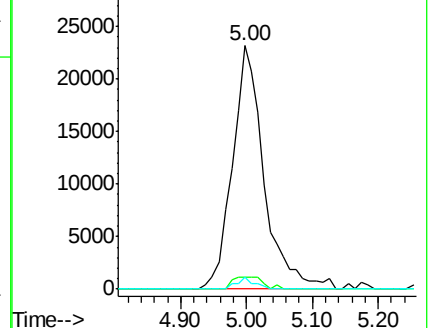
100 4.7 1.1 3.5#

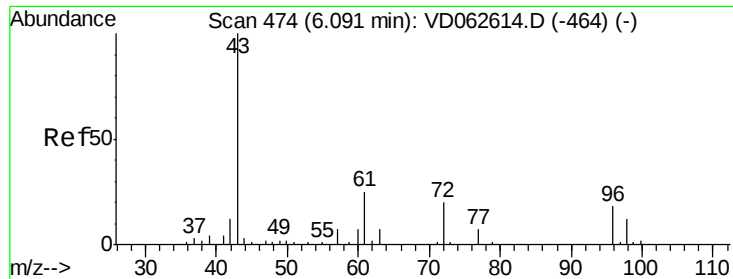


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 22.840 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

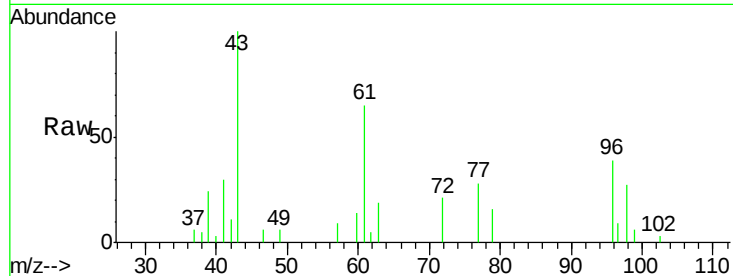
VSTDIC005

Tot Ion: 43 Resp: 42429

Ion Ratio Lower Upper

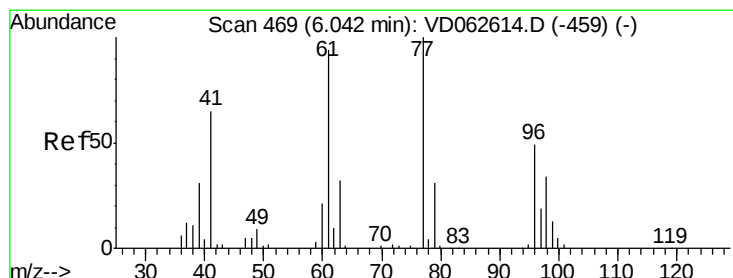
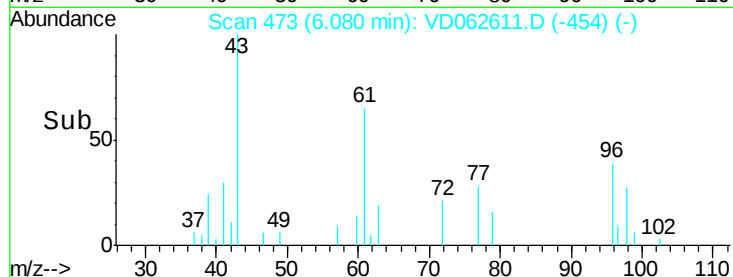
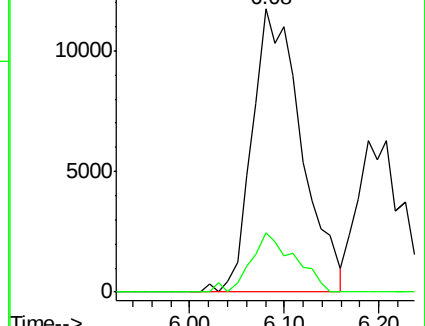
43 100

72 21.0 15.7 23.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.135 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062611.D

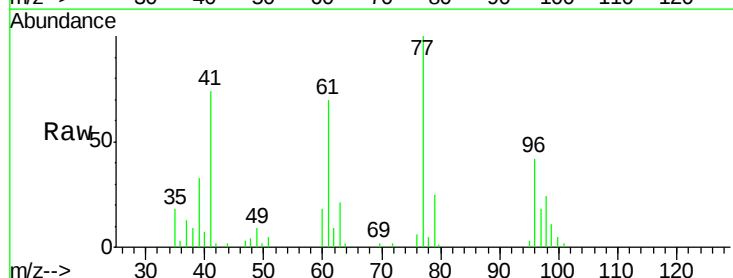
Acq: 5 Jun 2019 13:52

Tgt Ion: 77 Resp: 78643

Ion Ratio Lower Upper

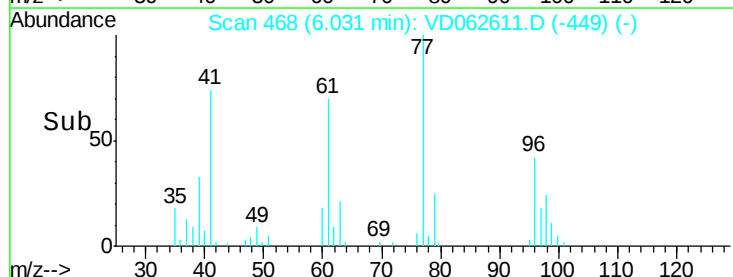
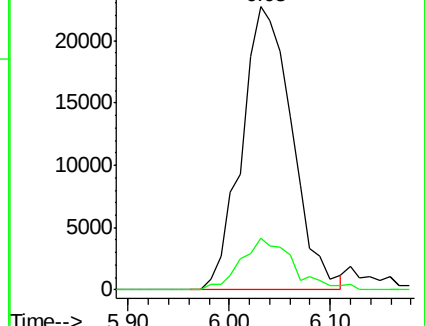
77 100

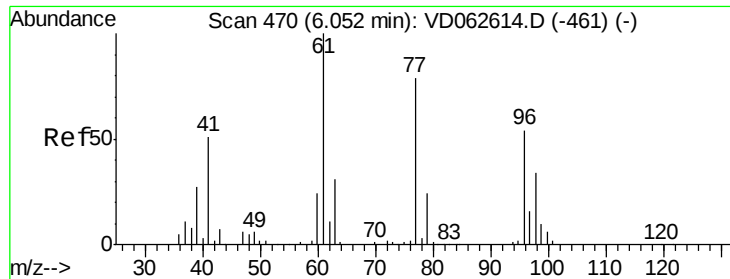
97 18.1 9.6 28.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



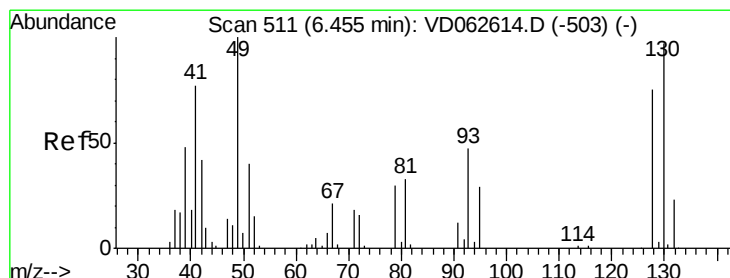
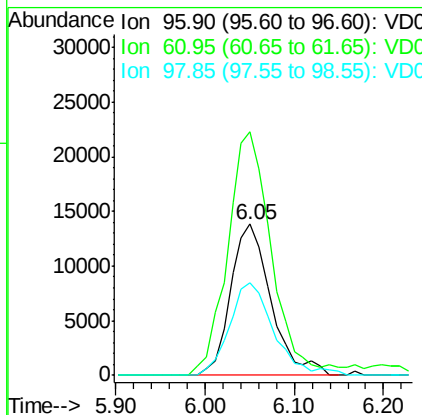
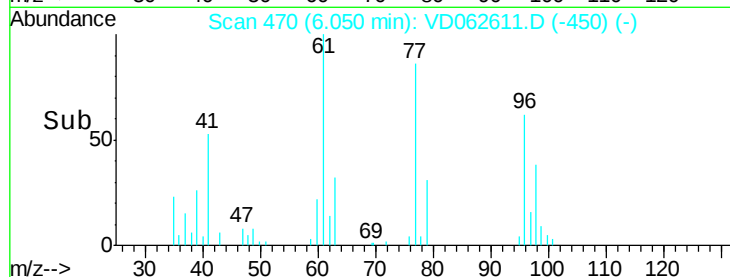
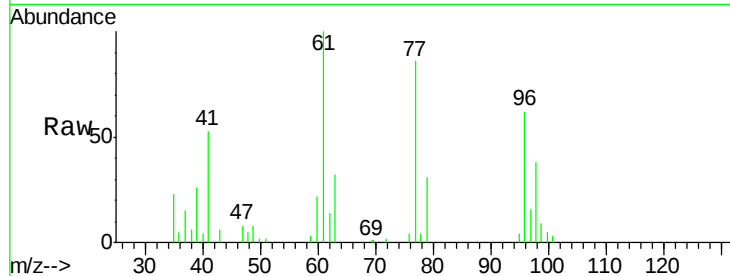


#27

cis-1,2-Dichloroethene
Concen: 5.350 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

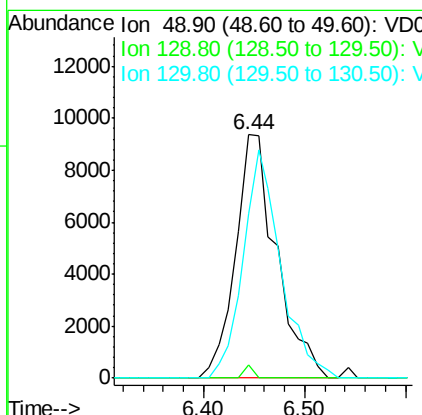
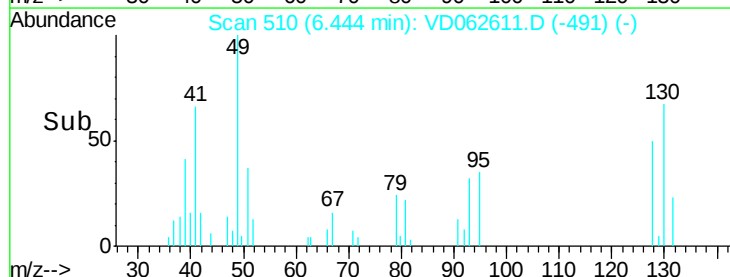
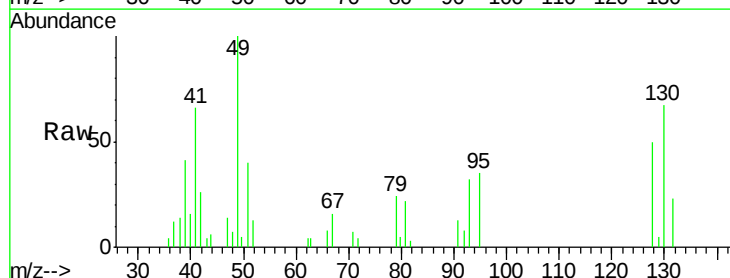
Tot Ion: 96 Resp: 43441
Ion Ratio Lower Upper
96 100
61 160.9 0.0 372.0
98 61.6 0.0 126.4

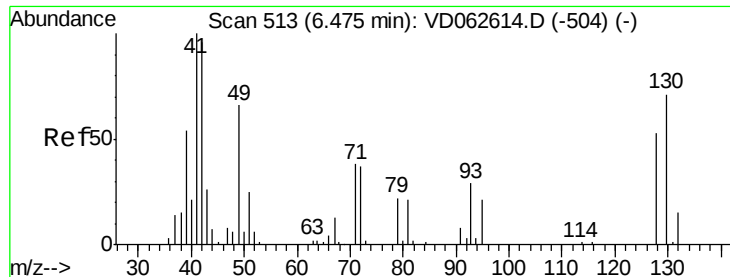


#28

Bromochloromethane
Concen: 4.971 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Tgt Ion: 49 Resp: 26360
Ion Ratio Lower Upper
49 100
129 5.2 0.0 6.4
130 67.5 77.6 116.4#





#29

Tetrahydrofuran

Concen: 26.108 ug/l

RT: 6.47 min Scan# 513

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

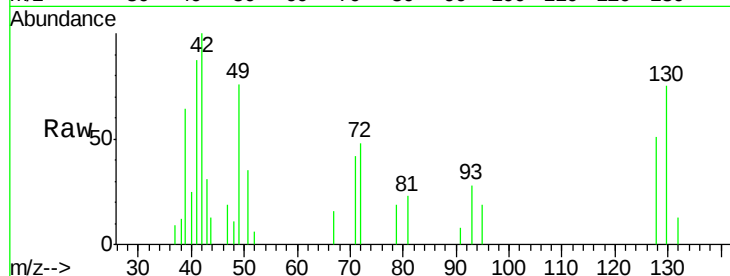
Tot Ion: 42 Resp: 22514

Ion Ratio Lower Upper

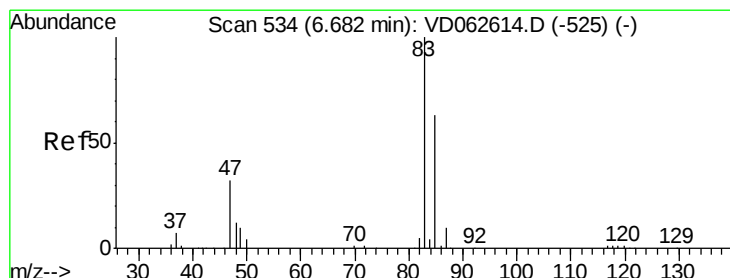
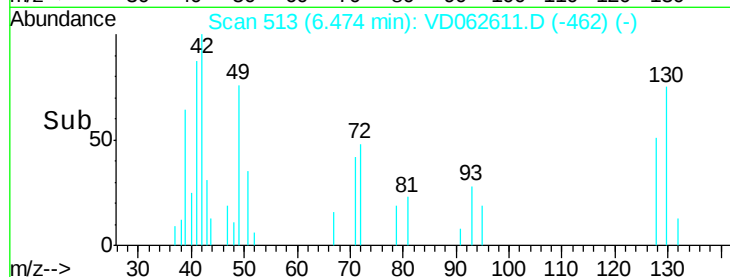
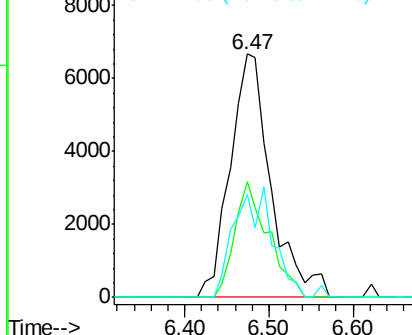
42 100

72 39.3 32.5 48.7

71 42.4 35.0 52.4



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 4.923 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD062611.D

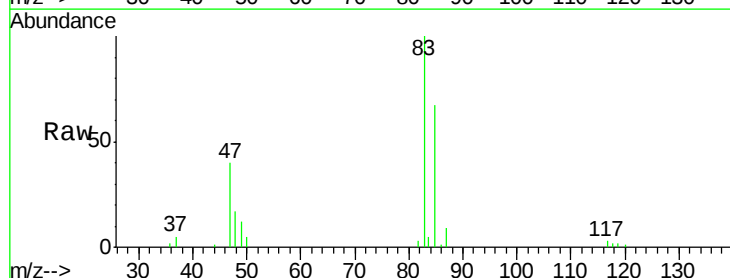
Acq: 5 Jun 2019 13:52

Tgt Ion: 83 Resp: 85827

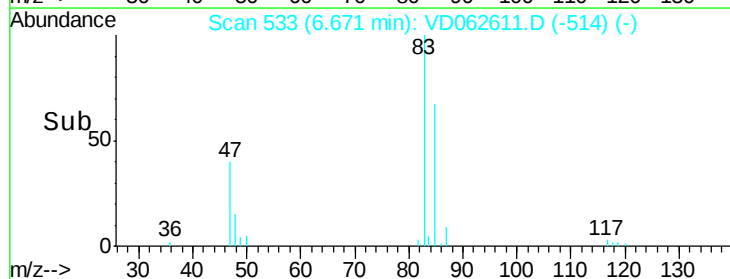
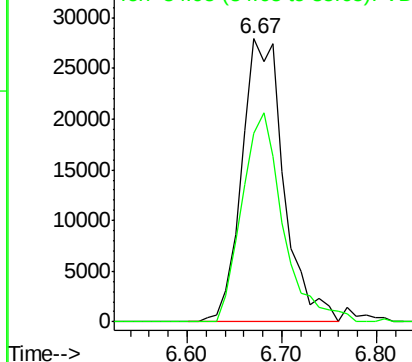
Ion Ratio Lower Upper

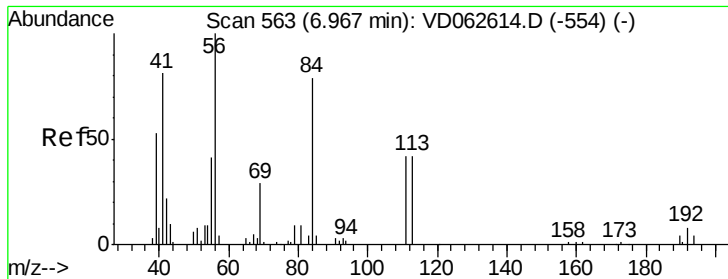
83 100

85 66.8 50.4 75.6



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

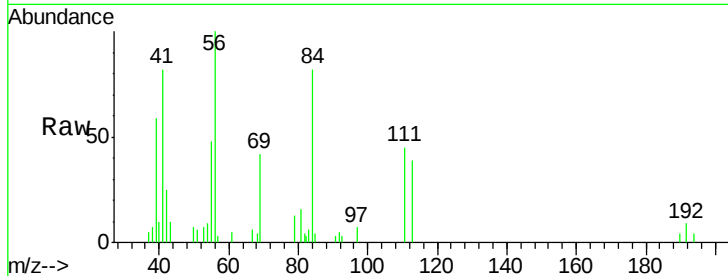




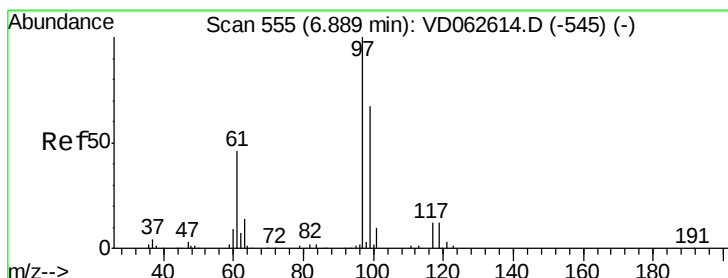
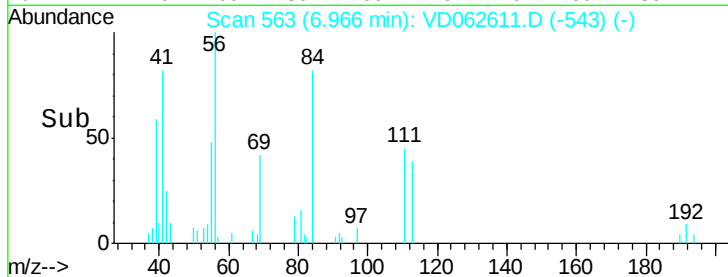
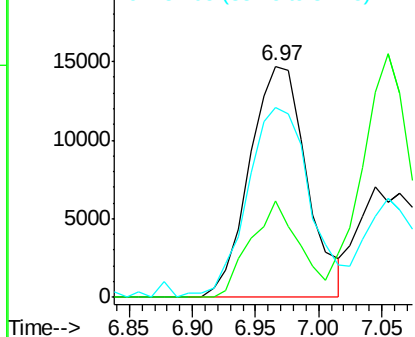
#31
Cyclohexane
Concen: 5.187 ug/l
RT: 6.97 min Scan# 563
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 46475
Ion Ratio Lower Upper
56 100
69 41.6 23.0 34.4#
84 82.0 66.0 99.0

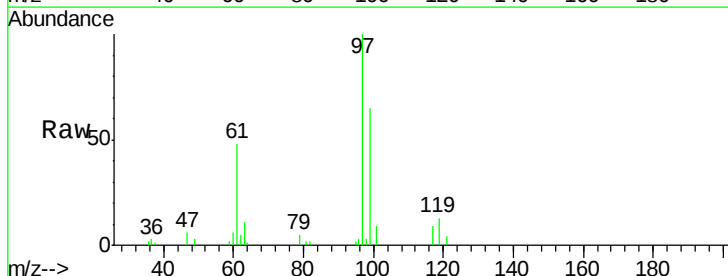


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

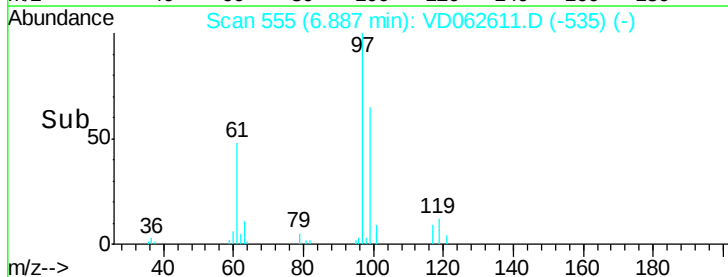
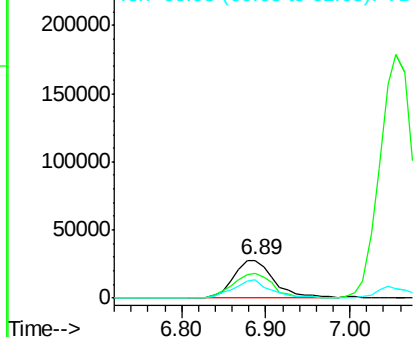


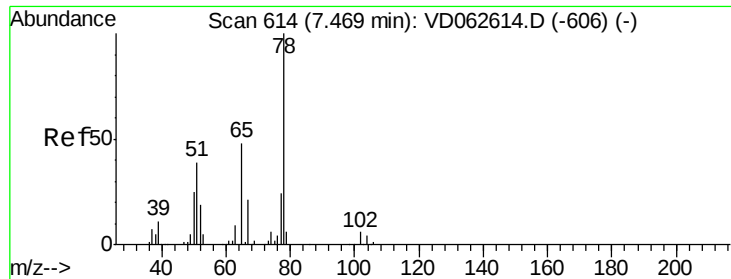
#32
1,1,1-Trichloroethane
Concen: 5.258 ug/l
RT: 6.89 min Scan# 555
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Tgt Ion: 97 Resp: 92802
Ion Ratio Lower Upper
97 100
99 65.1 53.4 80.0
61 47.8 36.7 55.1



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 4.370 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

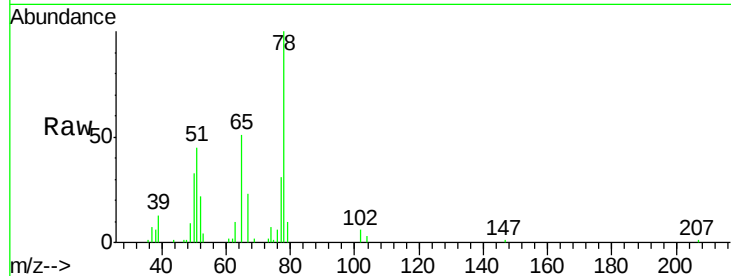
VSTDIC005

Tot Ion: 65 Resp: 47549

Ion Ratio Lower Upper

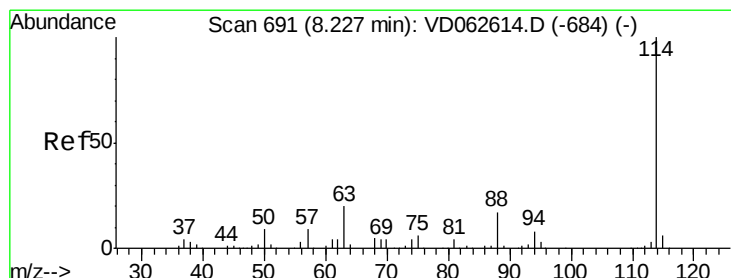
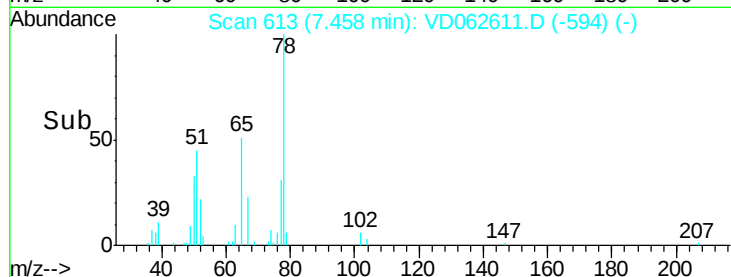
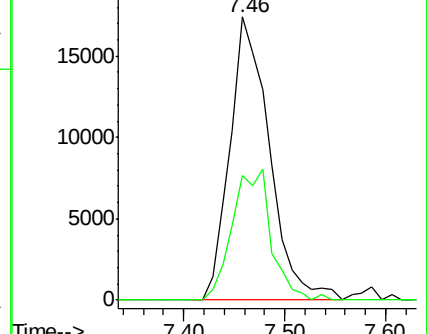
65 100

67 44.3 0.0 86.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

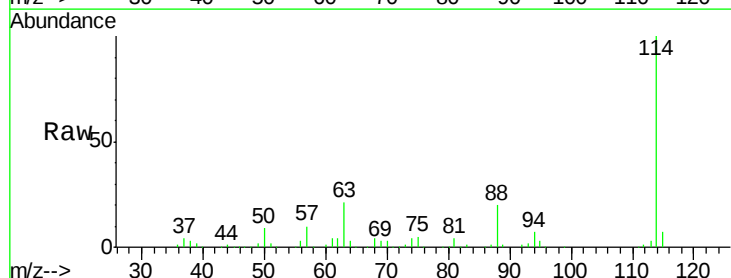
Tgt Ion: 114 Resp: 1119979

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.0

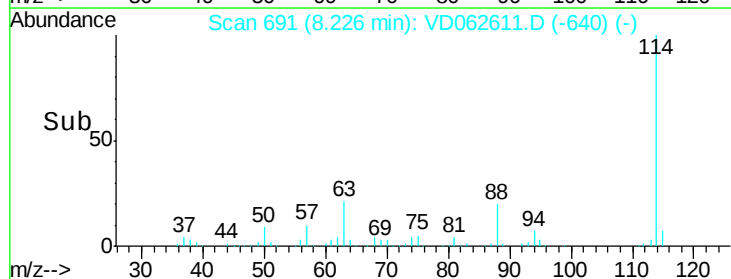
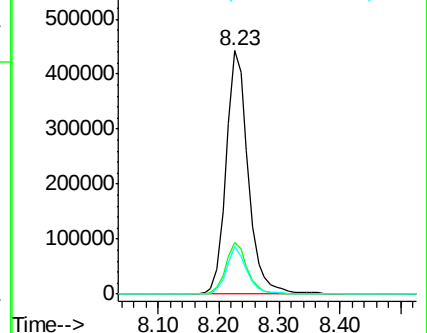
88 19.6 0.0 34.2

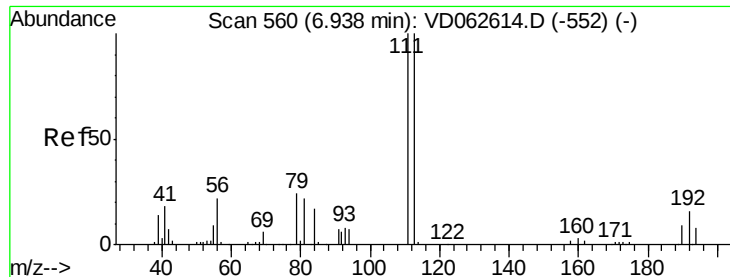


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

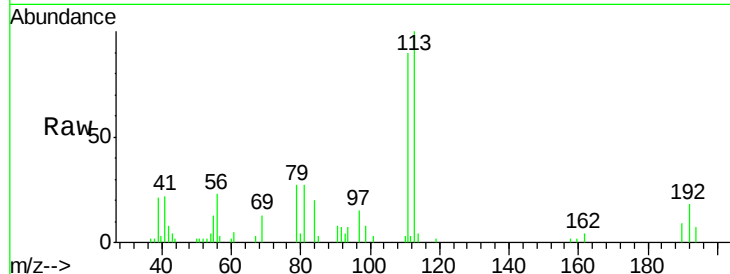




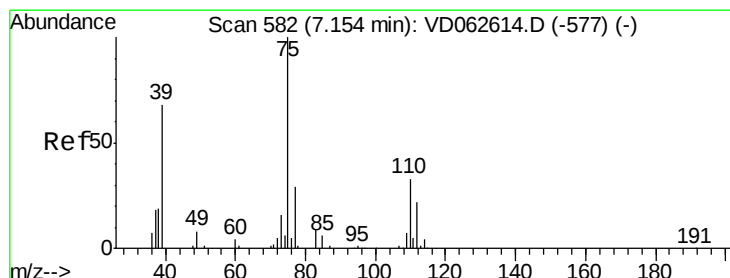
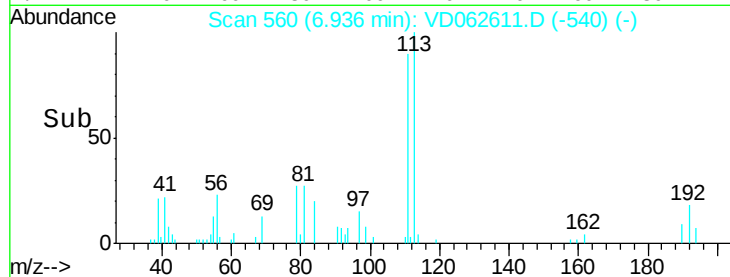
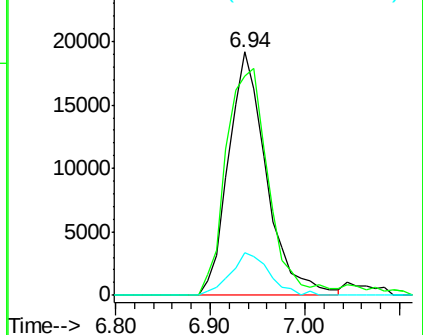
#35
 Dibromofluoromethane
 Concen: 4.690 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:113 Resp: 53382
 Ion Ratio Lower Upper
 113 100
 111 89.9 80.1 120.1
 192 17.8 13.0 19.6

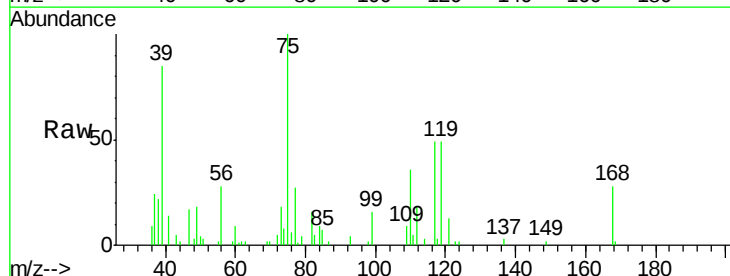


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

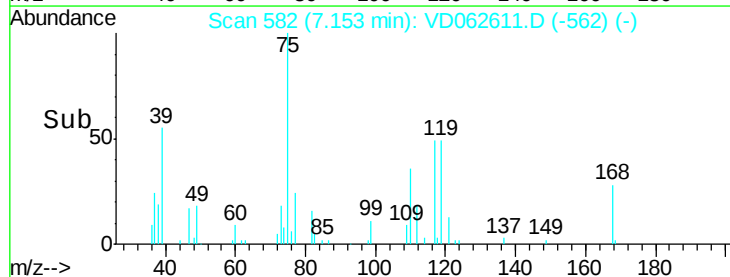
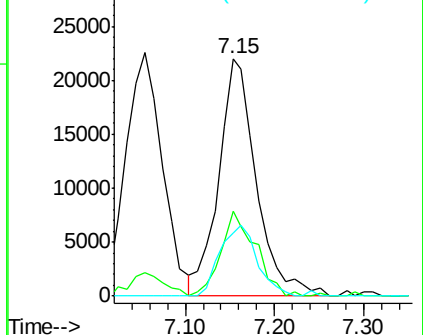


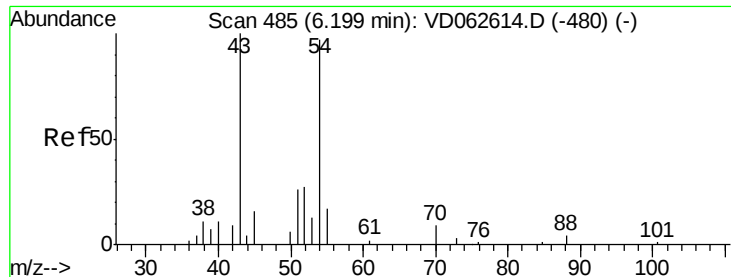
#36
 1,1-Dichloropropene
 Concen: 5.396 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Tgt Ion: 75 Resp: 64978
 Ion Ratio Lower Upper
 75 100
 110 35.8 16.5 49.5
 77 26.8 23.3 34.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

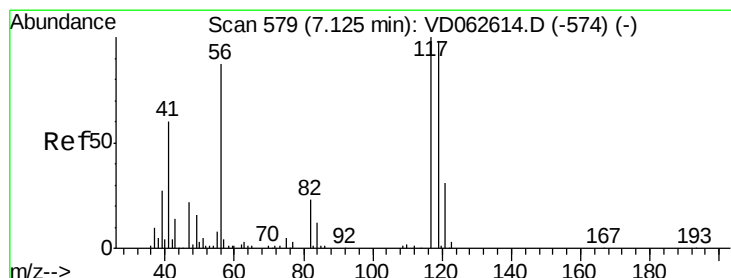
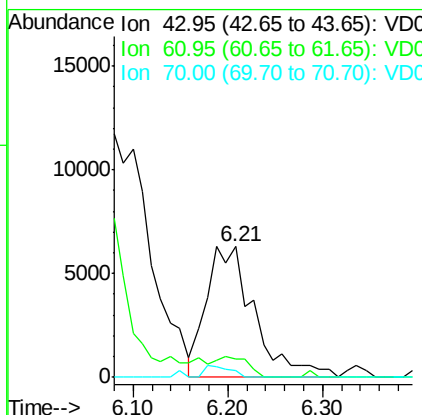
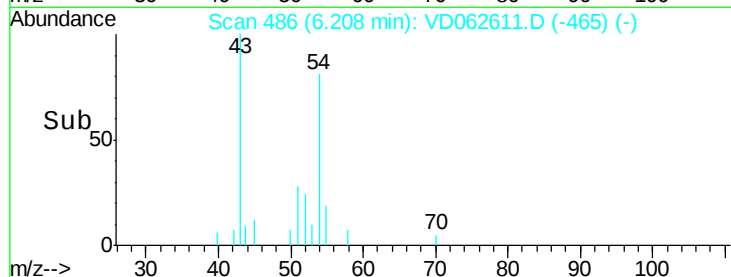
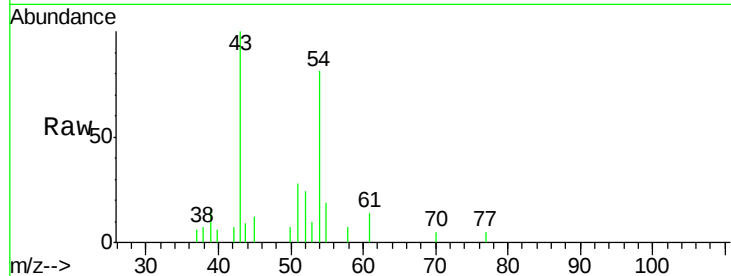




#37
Ethyl Acetate
Concen: 4.545 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.01 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

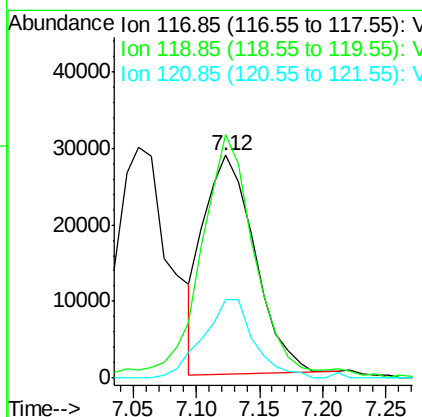
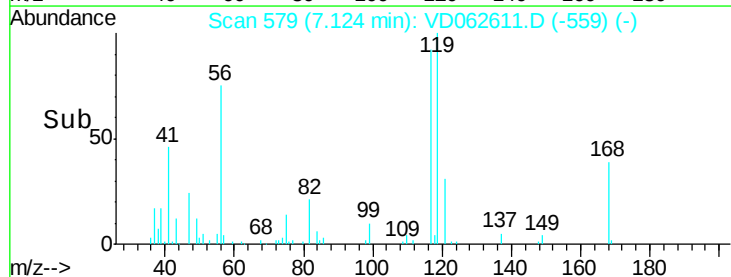
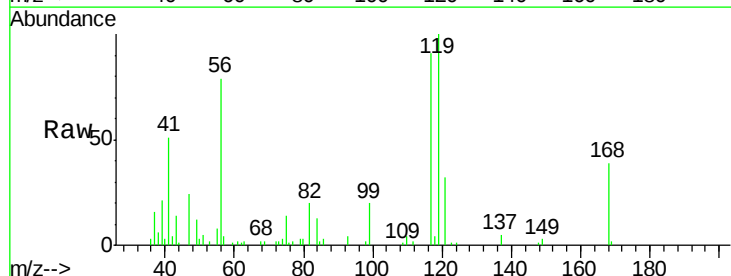
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

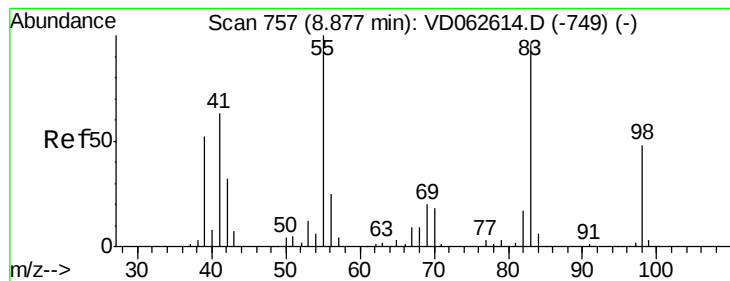
Tot Ion: 43 Resp: 22086
Ion Ratio Lower Upper
43 100
61 13.6 8.8 13.2#
70 5.0 5.6 8.4#



#38
Carbon Tetrachloride
Concen: 4.393 ug/l
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Tgt Ion: 117 Resp: 80189
Ion Ratio Lower Upper
117 100
119 109.3 74.1 111.1
121 35.2 23.5 35.3





#39

Methvlcvclohexane

Concen: 4.865 ug/l

RT: 8.88 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

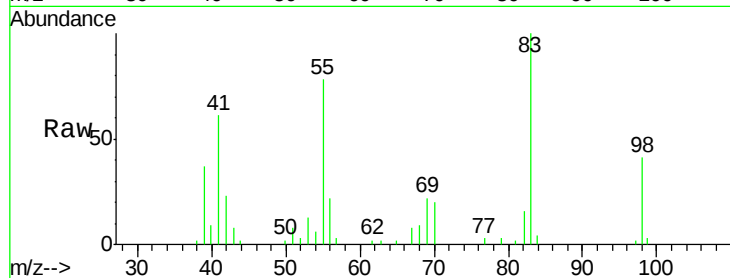
Tot Ion: 83 Resp: 50090

Ion Ratio Lower Upper

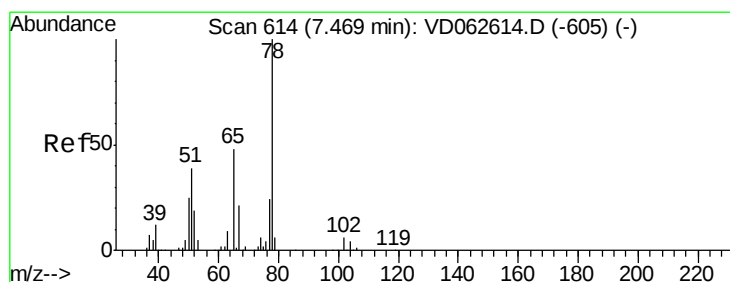
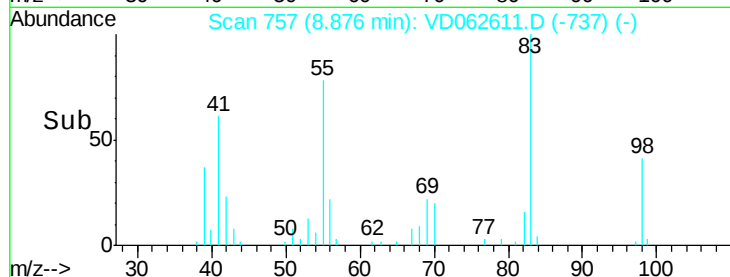
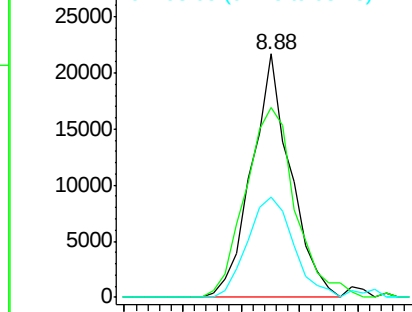
83 100

55 78.2 83.2 124.8#

98 44.1 39.8 59.8



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 5.036 ug/l

RT: 7.47 min Scan# 614

Delta R.T. -0.00 min

Lab File: VD062611.D

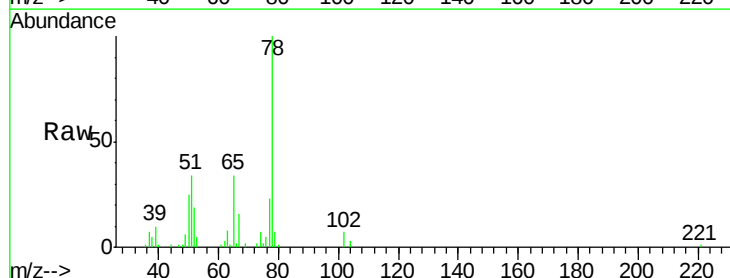
Acq: 5 Jun 2019 13:52

Tgt Ion: 78 Resp: 119777

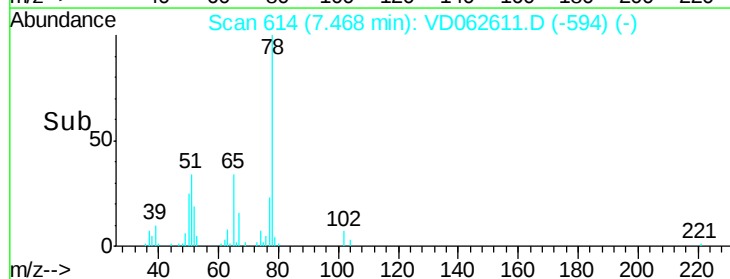
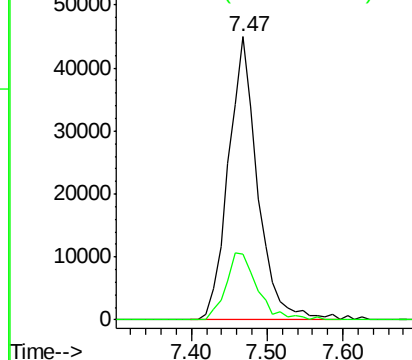
Ion Ratio Lower Upper

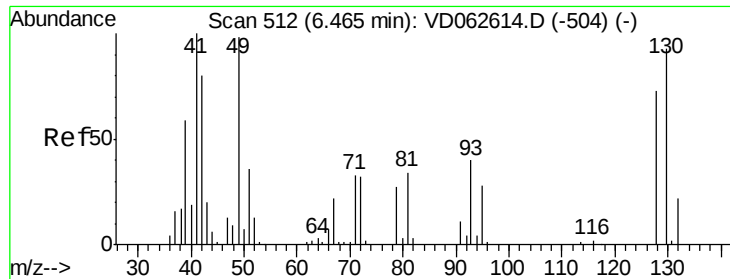
78 100

77 23.4 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

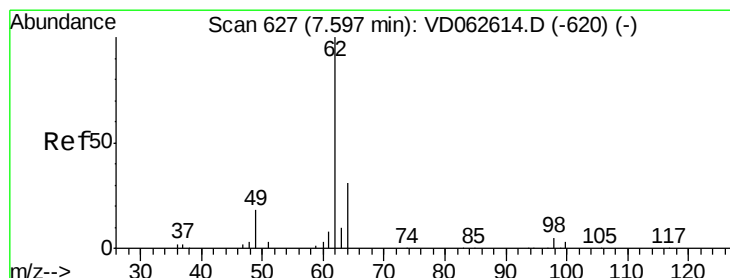
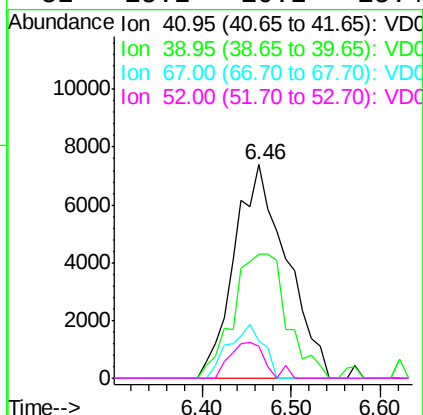
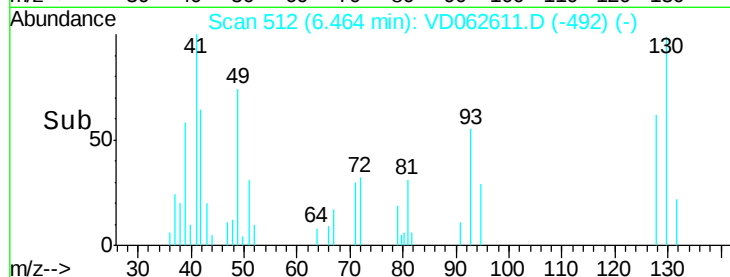
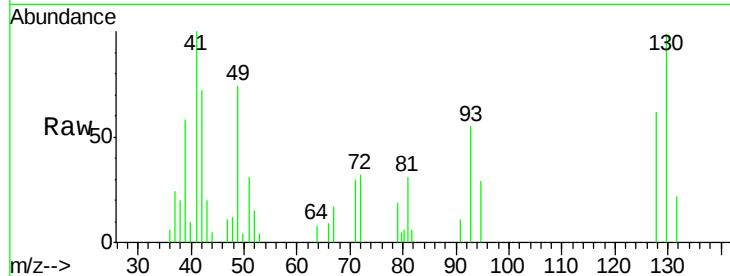




#41
Methacrylonitrile
Concen: 4.795 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

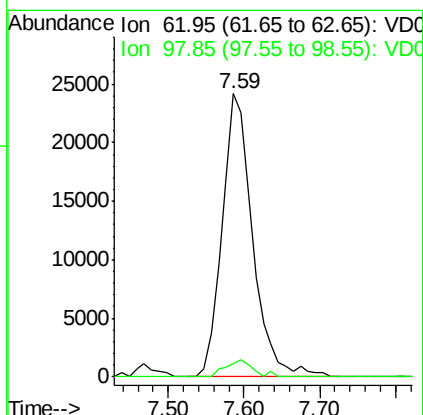
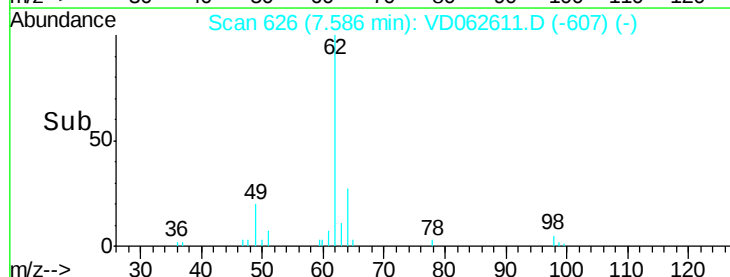
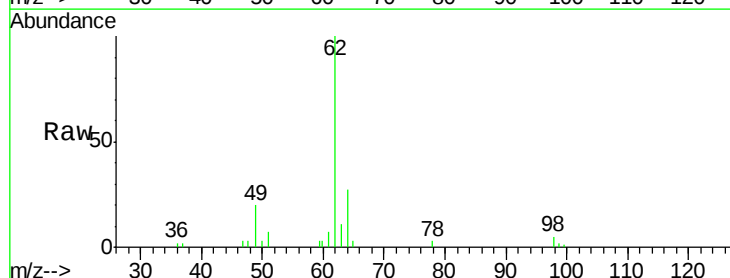
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

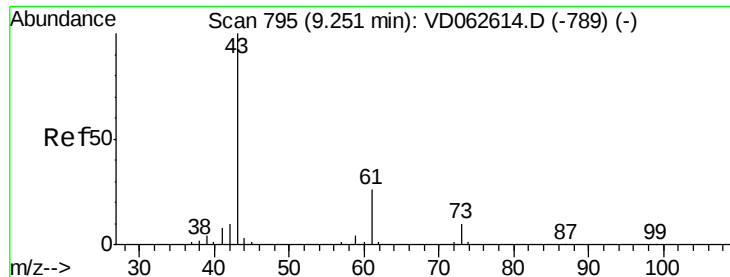
Tot Ion: 41 Resp: 30173
Ion Ratio Lower Upper
41 100
39 58.3 47.5 71.3
67 17.4 17.8 26.6#
52 15.2 10.2 15.4



#42
1,2-Dichloroethane
Concen: 4.803 ug/l
RT: 7.59 min Scan# 626
Delta R.T. -0.01 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Tgt Ion: 62 Resp: 67234
Ion Ratio Lower Upper
62 100
98 4.6 0.0 10.2





#43

Isopropyl Acetate

Concen: 4.775 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

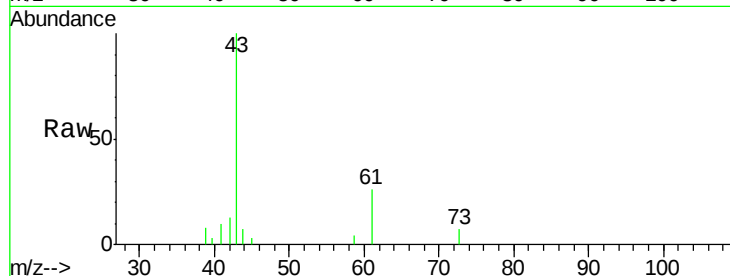
Tot Ion: 43 Resp: 31894

Ion Ratio Lower Upper

43 100

61 26.2 21.0 31.6

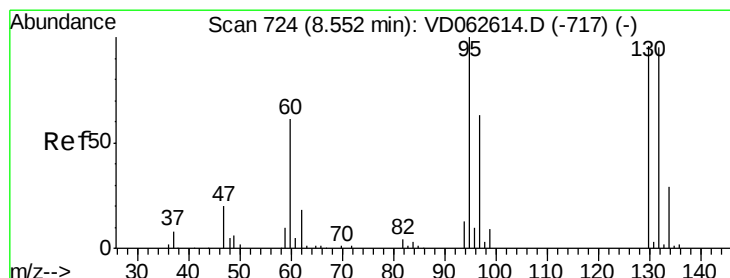
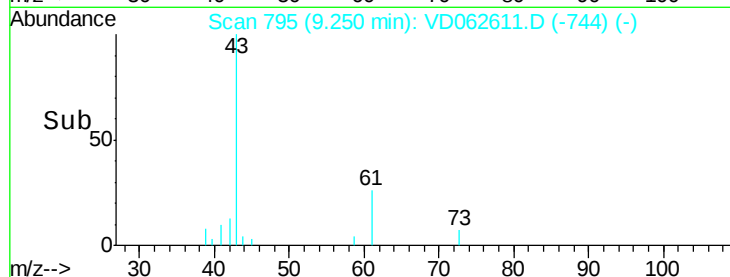
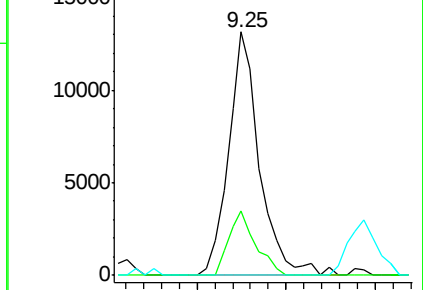
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 4.989 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD062611.D

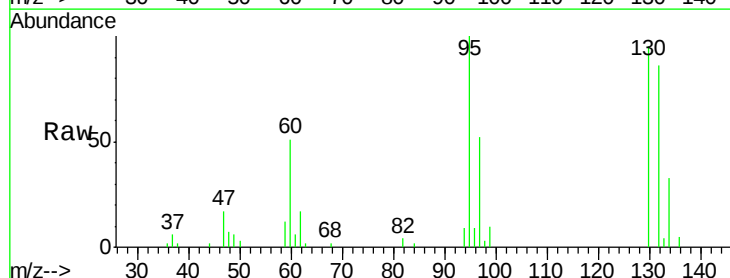
Acq: 5 Jun 2019 13:52

Tgt Ion: 130 Resp: 48116

Ion Ratio Lower Upper

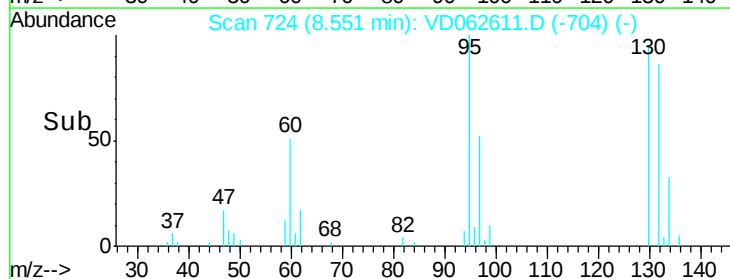
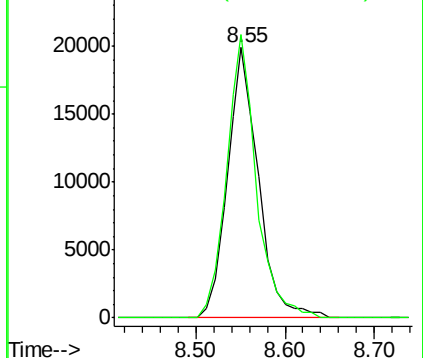
130 100

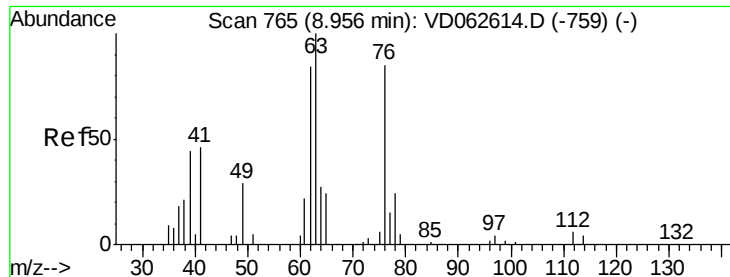
95 104.8 0.0 208.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

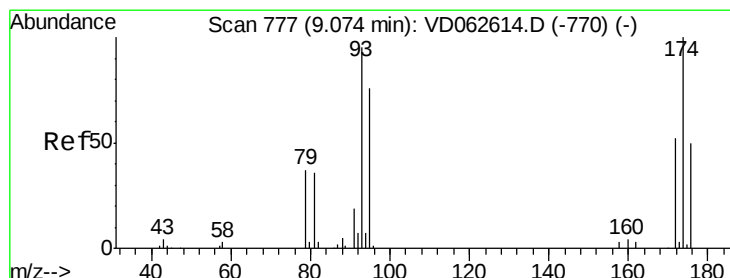
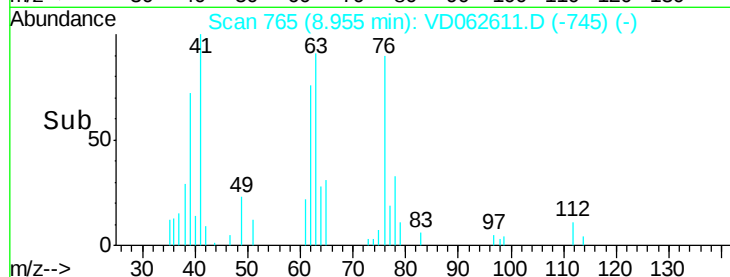
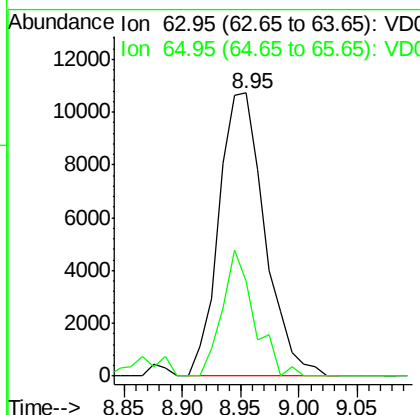
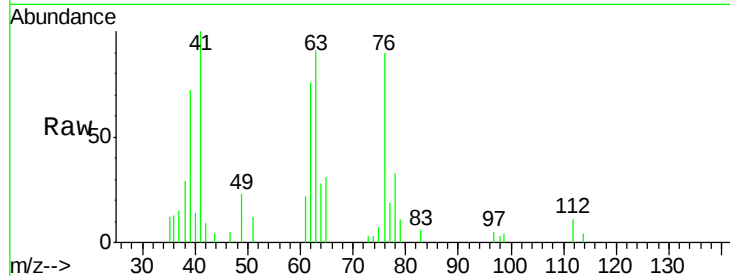




#45
 1,2-Dichloropropane
 Concen: 4.909 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

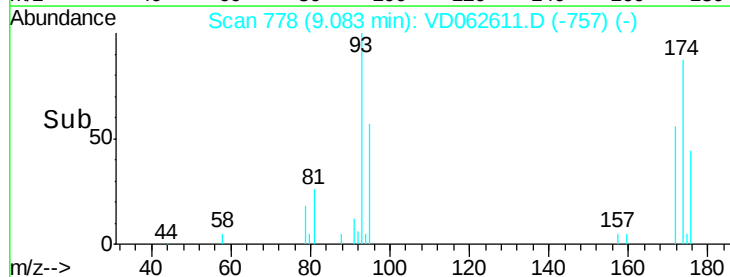
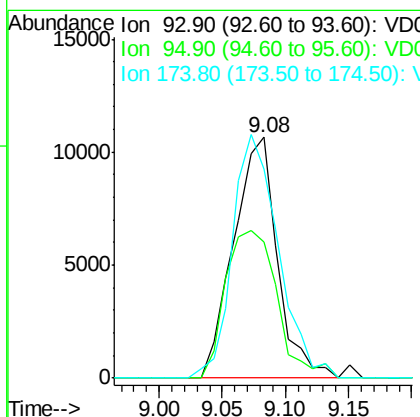
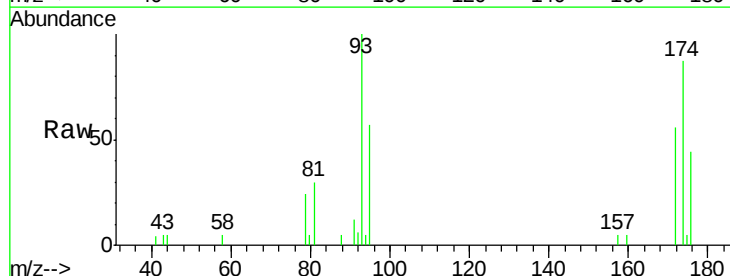
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

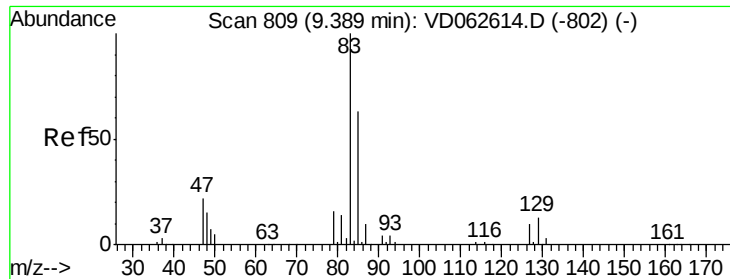
Tot Ion: 63 Resp: 29237
 Ion Ratio Lower Upper
 63 100
 65 33.7 21.7 32.5#



#46
 Dibromomethane
 Concen: 4.953 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Tgt Ion: 93 Resp: 25664
 Ion Ratio Lower Upper
 93 100
 95 56.8 64.2 96.2#
 174 86.9 84.1 126.1





#47

Bromodichloromethane

Concen: 4.969 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

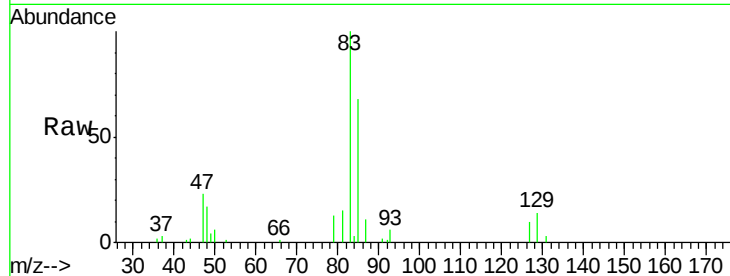
Tot Ion: 83 Resp: 69345

Ion Ratio Lower Upper

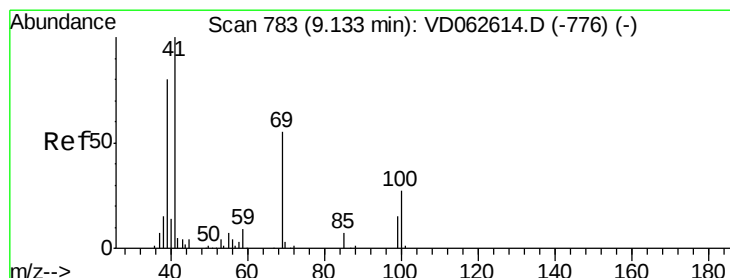
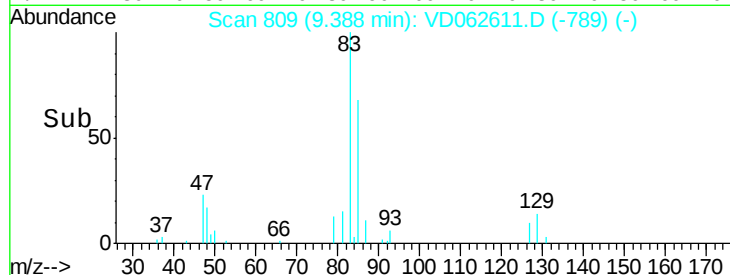
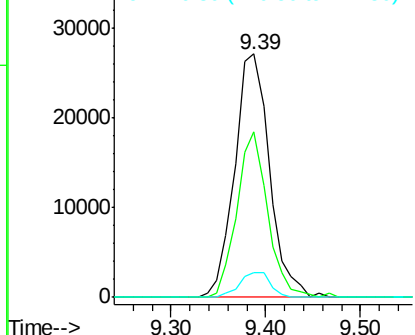
83 100

85 67.8 50.2 75.4

127 10.2 7.9 11.9



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 4.852 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

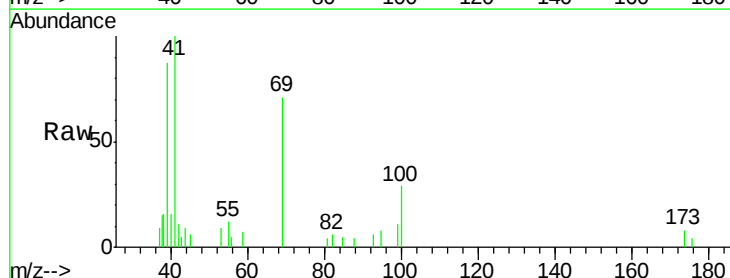
Tgt Ion: 41 Resp: 22040

Ion Ratio Lower Upper

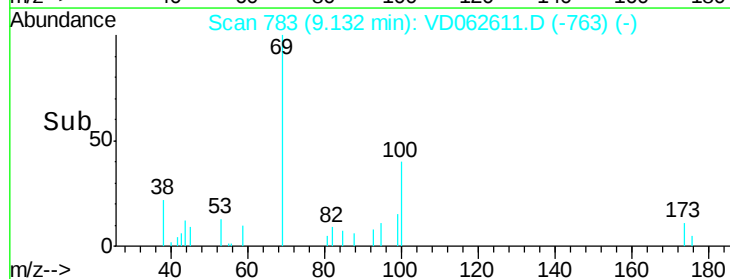
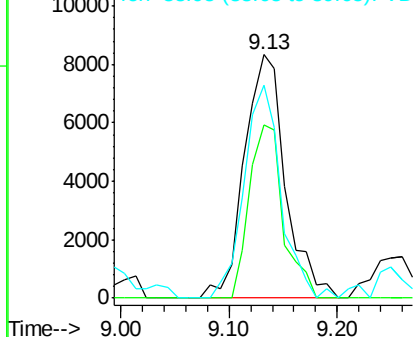
41 100

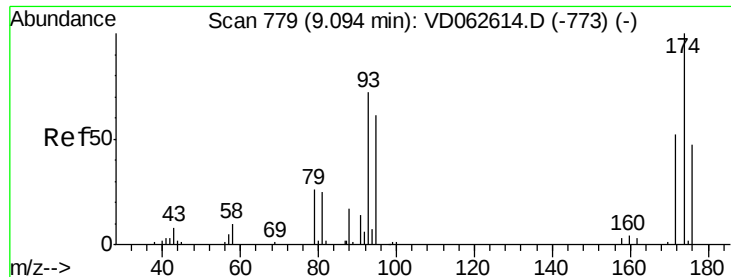
69 71.4 43.8 65.8#

39 87.3 64.0 96.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

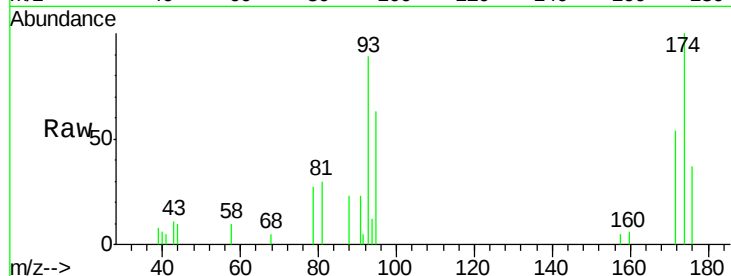




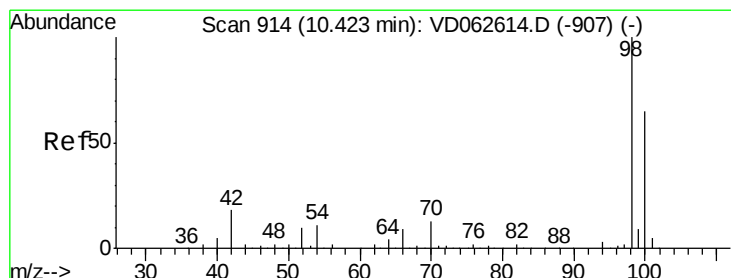
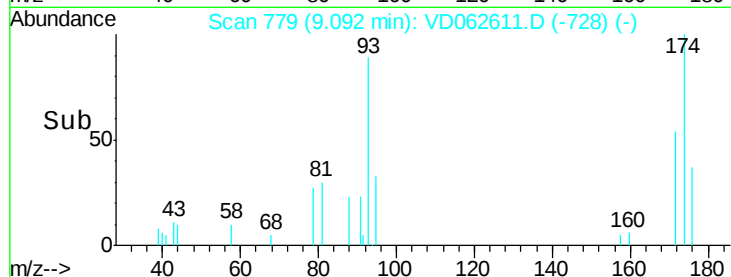
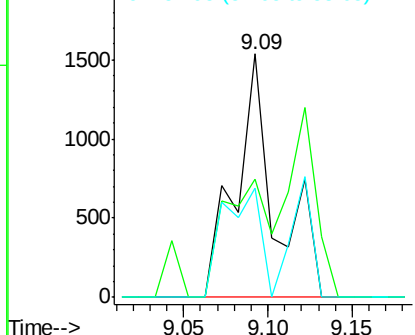
#49
1,4-Dioxane
Concen: 69.158 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 2493
Ion Ratio Lower Upper
88 100
43 48.7 39.3 58.9
58 44.7 45.3 67.9#

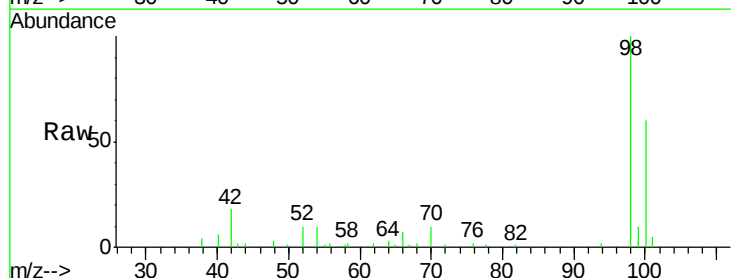


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

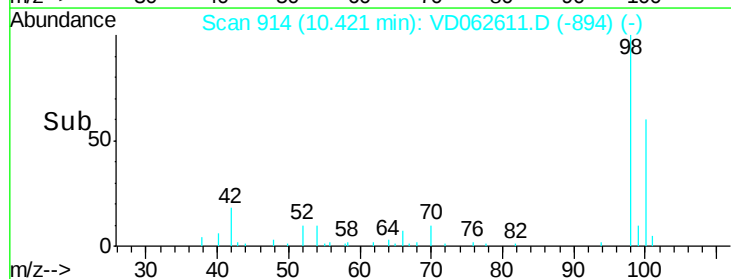
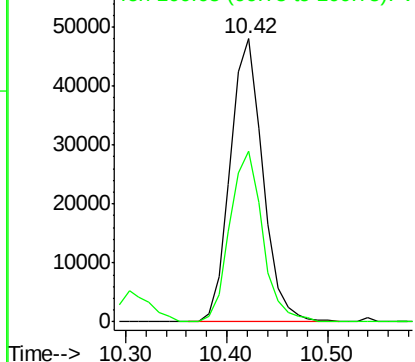


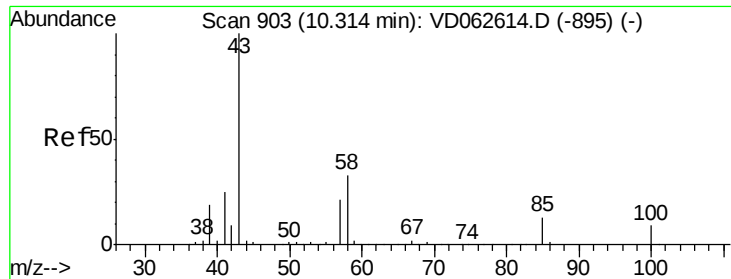
#50
Toluene-d8
Concen: 4.406 ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Tgt Ion: 98 Resp: 108032
Ion Ratio Lower Upper
98 100
100 60.3 52.8 79.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 23.979 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleID :

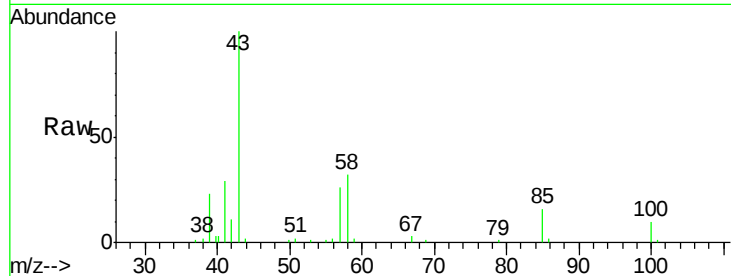
VSTDIC005

Tot Ion: 43 Resp: 104280

Ion Ratio Lower Upper

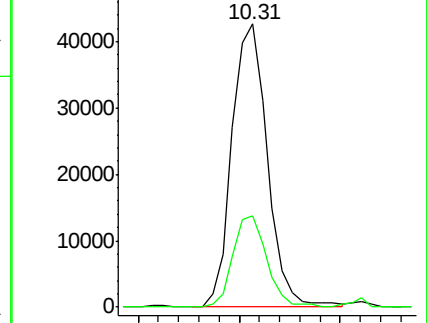
43 100

58 32.1 26.8 40.2

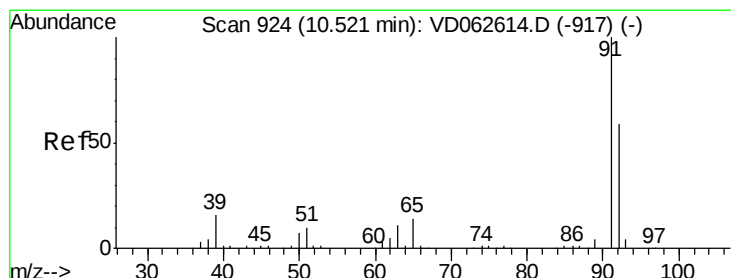
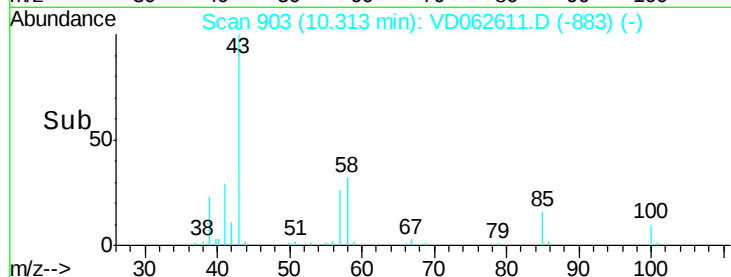


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time--> 10.20 10.30 10.40



#52

Toluene

Concen: 4.686 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062611.D

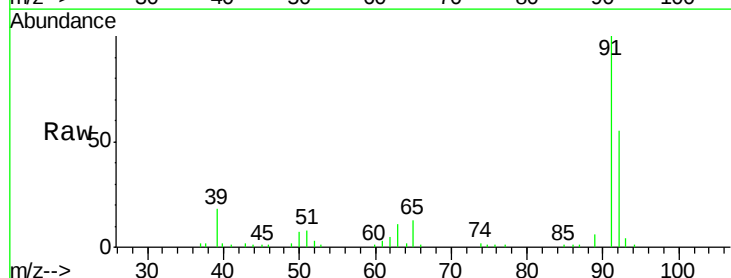
Acq: 5 Jun 2019 13:52

Tgt Ion: 92 Resp: 73914

Ion Ratio Lower Upper

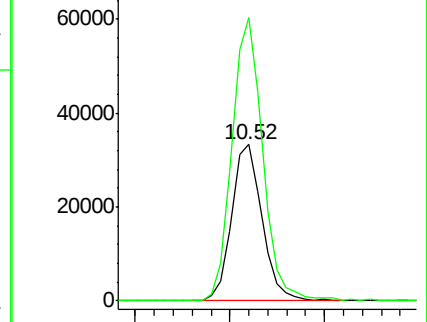
92 100

91 180.9 134.7 202.1

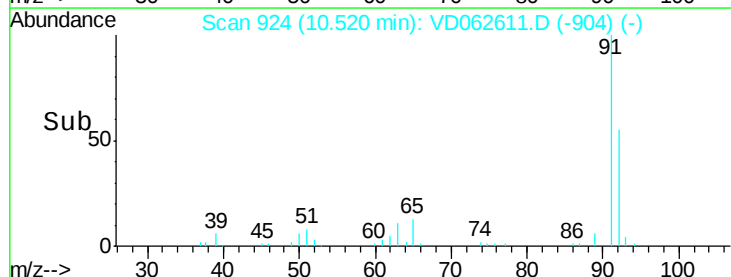


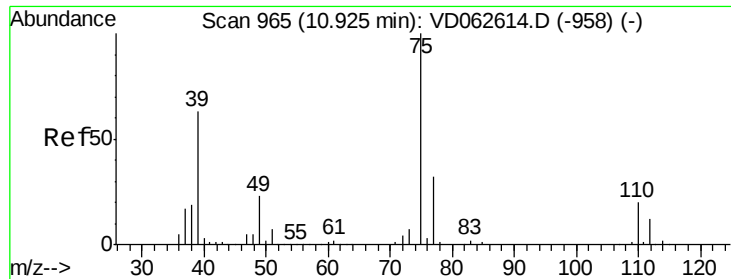
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time--> 10.40 10.50 10.60

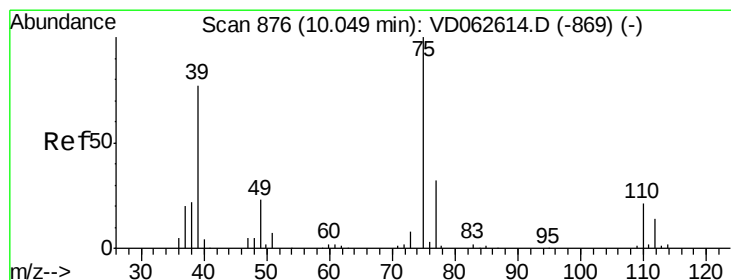
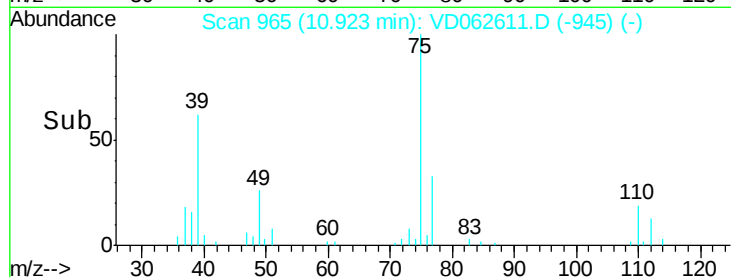
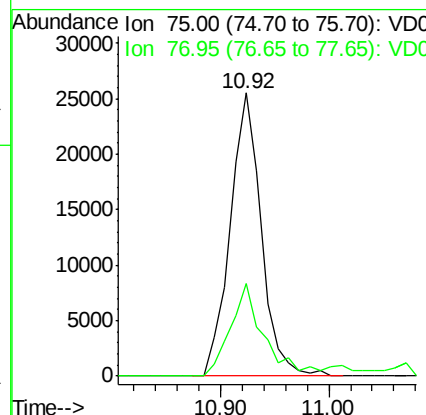
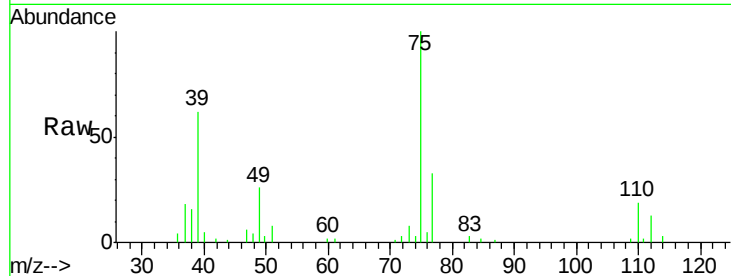




#53
 t-1,3-Dichloropropene
 Concen: 4.410 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

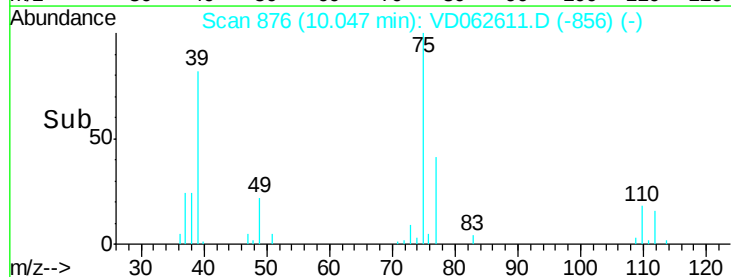
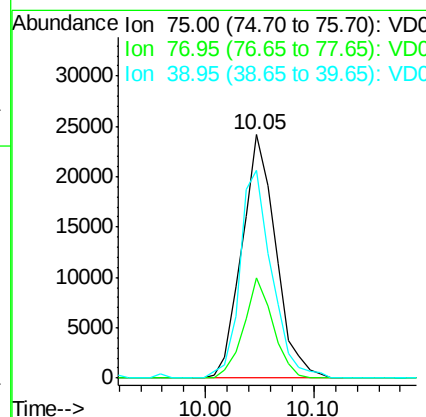
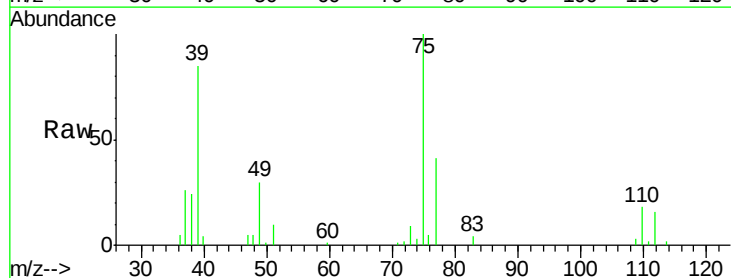
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

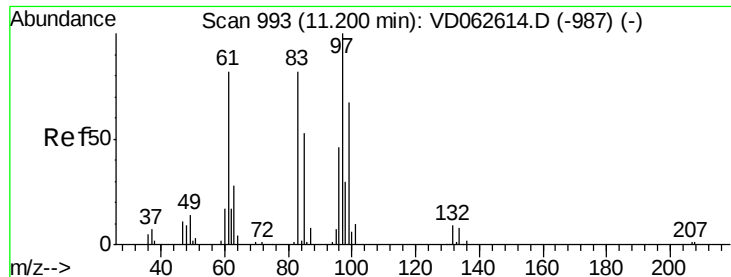
Tot Ion: 75 Resp: 51094
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 4.467 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Tgt Ion: 75 Resp: 52708
 Ion Ratio Lower Upper
 75 100
 77 41.0 25.6 38.4#
 39 85.3 61.2 91.8





#55

1,1,2-Trichloroethane

Concen: 4.636 ug/l

RT: 11.20 min Scan# 993

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 25088

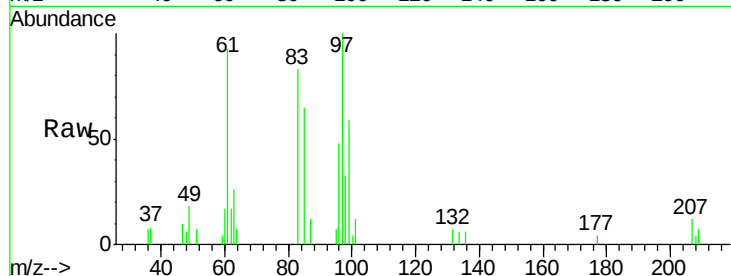
Ion Ratio Lower Upper

97 100

83 82.6 65.9 98.9

85 65.4 42.6 63.8#

99 59.0 53.4 80.2

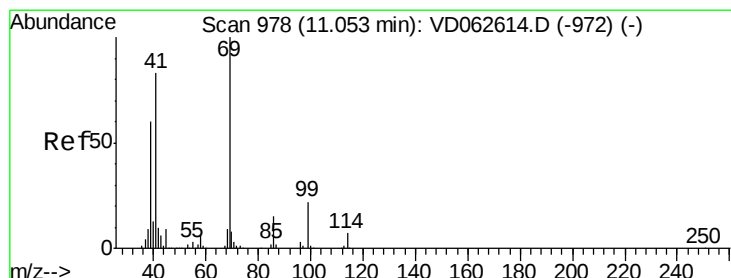
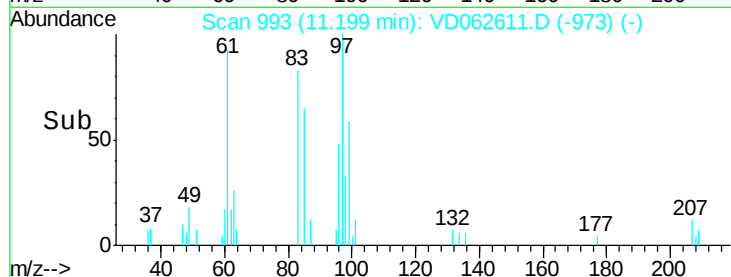
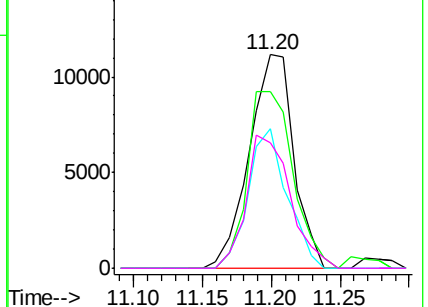


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 4.621 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.01 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

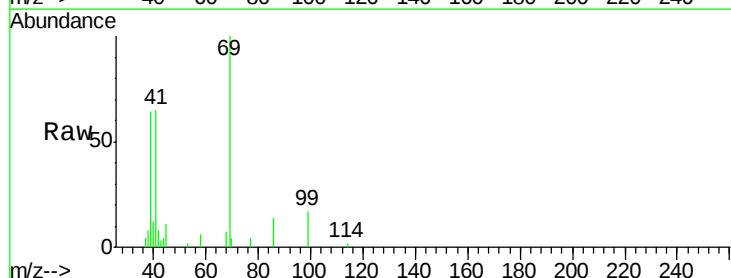
Tgt Ion: 69 Resp: 27870

Ion Ratio Lower Upper

69 100

41 65.2 66.3 99.5#

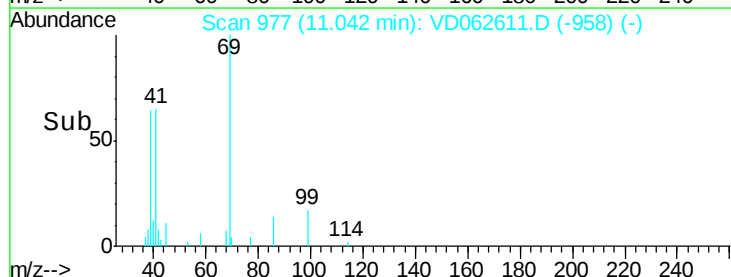
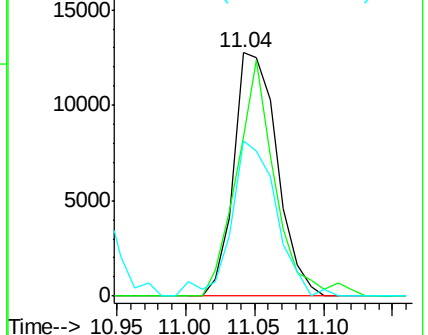
39 63.9 48.3 72.5

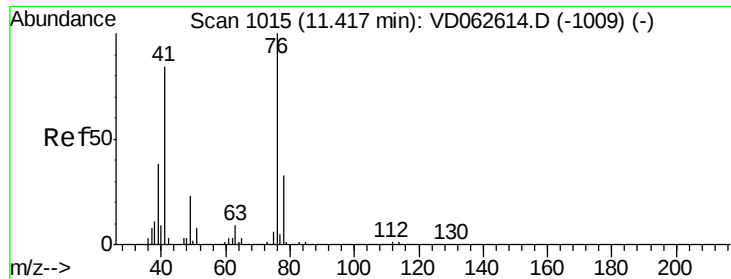


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

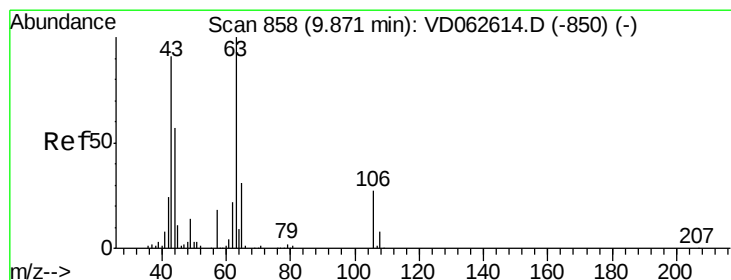
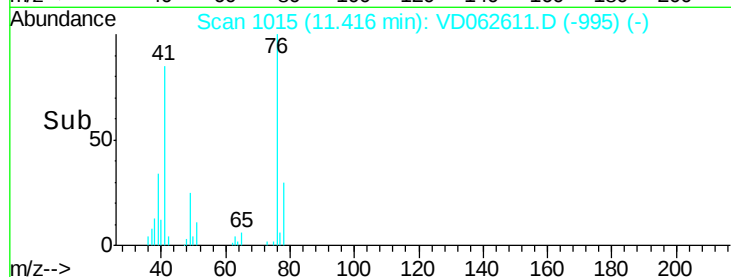
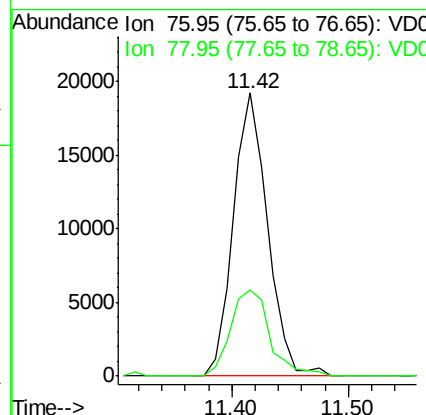
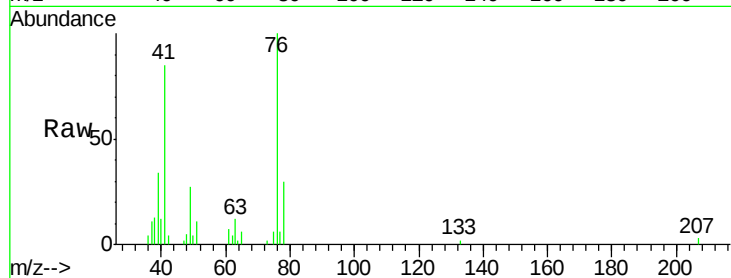




#57
 1,3-Dichloropropane
 Concen: 4.626 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

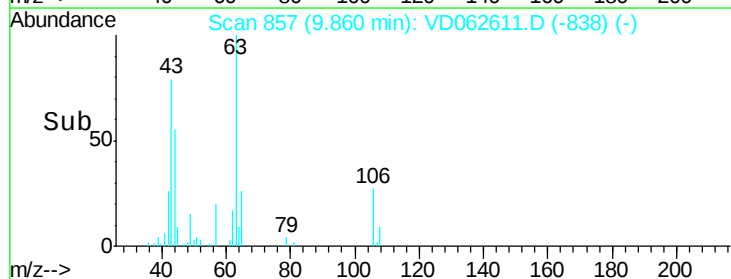
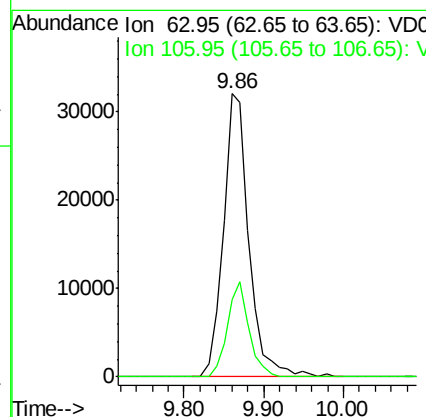
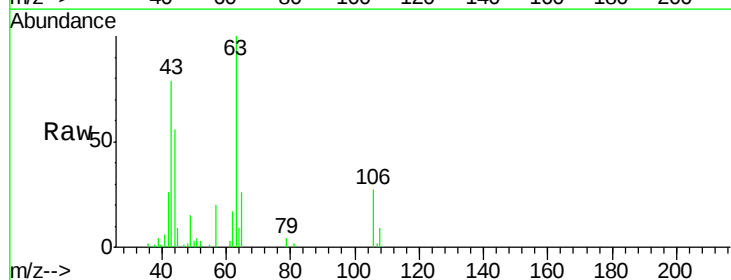
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

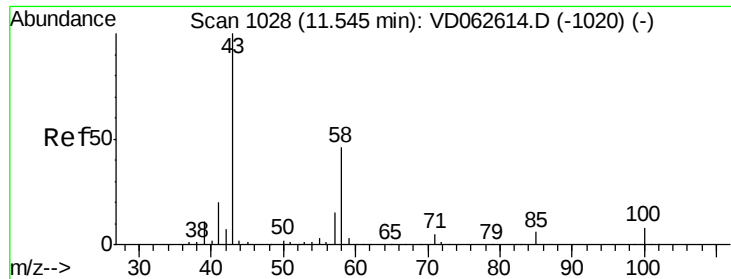
Tot Ion: 76 Resp: 39085
 Ion Ratio Lower Upper
 76 100
 78 30.4 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.281 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Tgt Ion: 63 Resp: 72020
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.3 31.9

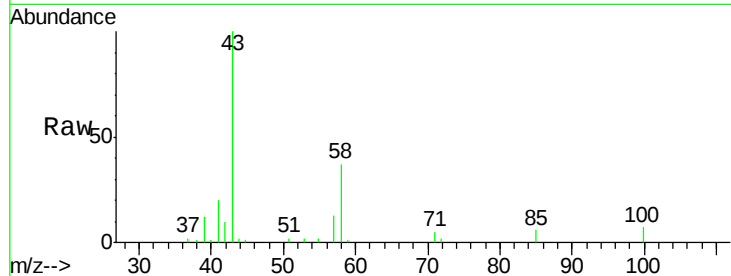




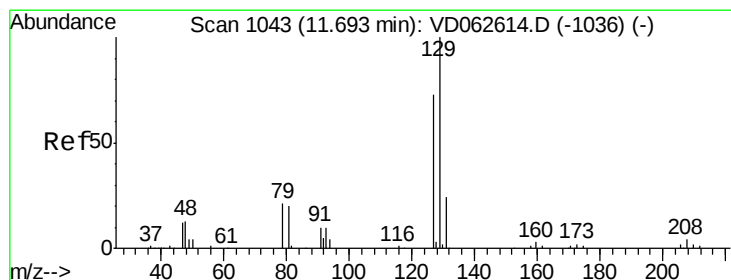
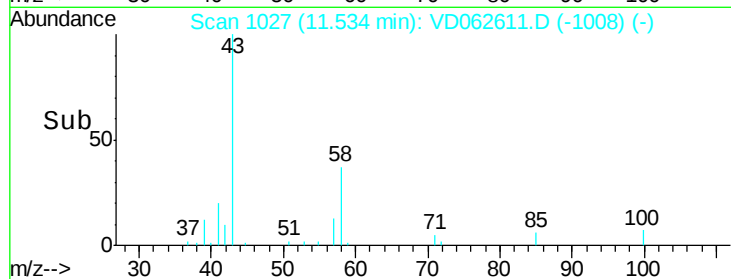
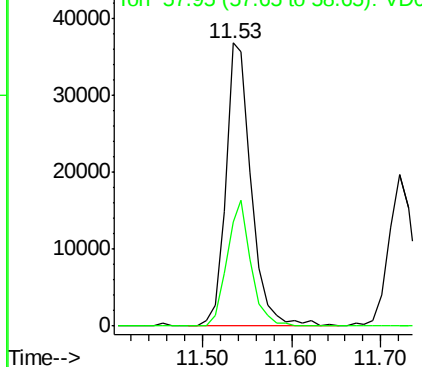
#59
2-Hexanone
Concen: 22.405 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 73882
Ion Ratio Lower Upper
43 100
58 36.7 22.8 68.3

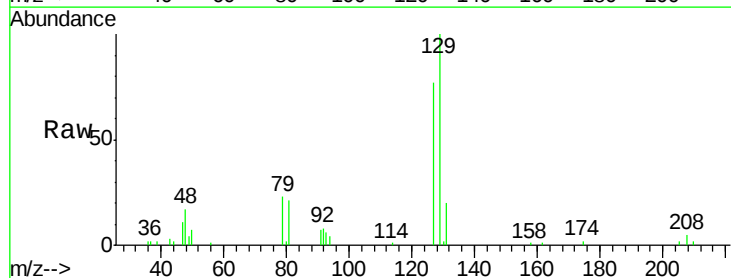


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

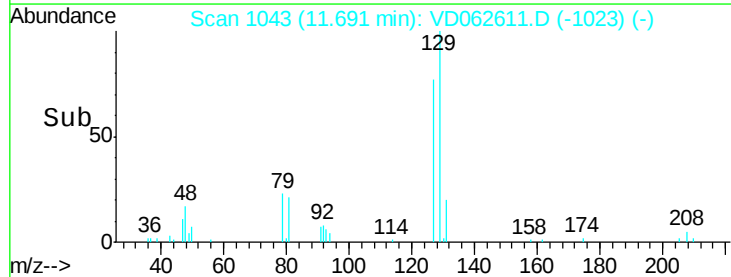
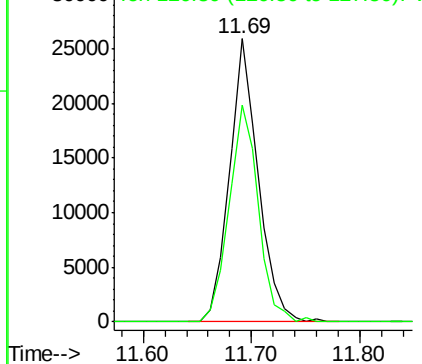


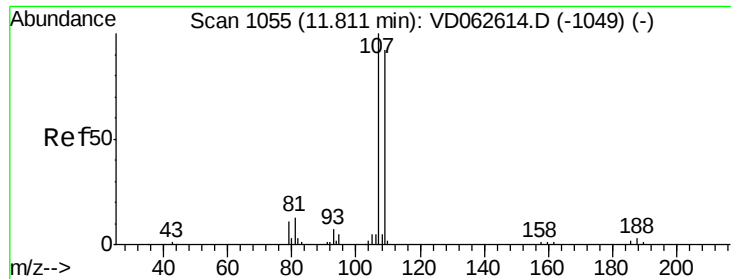
#60
Dibromochloromethane
Concen: 4.522 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Tgt Ion: 129 Resp: 47819
Ion Ratio Lower Upper
129 100
127 76.7 36.6 109.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 4.903 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

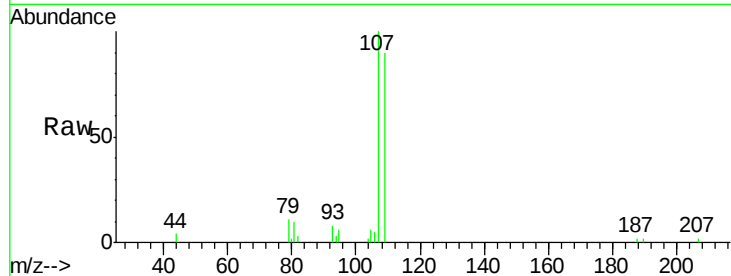
VSTDIC005

Tot Ion:107 Resp: 32502

Ion Ratio Lower Upper

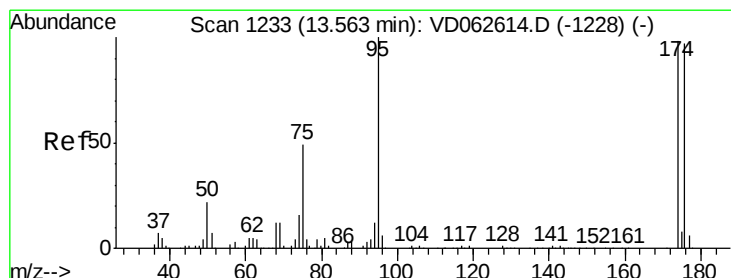
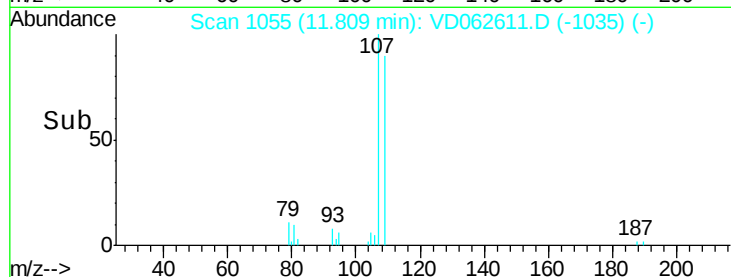
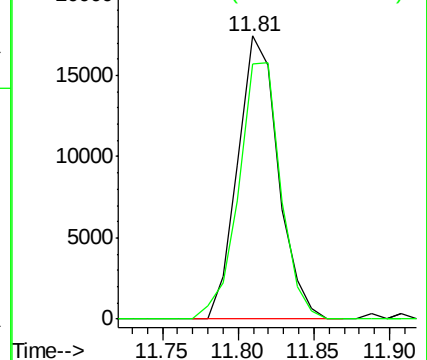
107 100

109 90.0 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 4.785 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

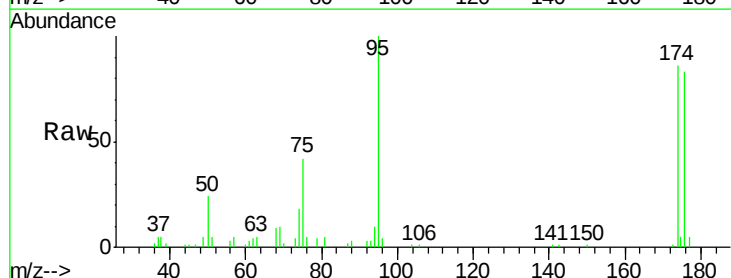
Tgt Ion: 95 Resp: 55312

Ion Ratio Lower Upper

95 100

174 85.8 0.0 195.8

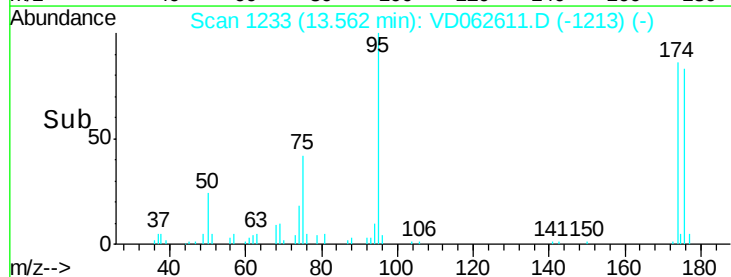
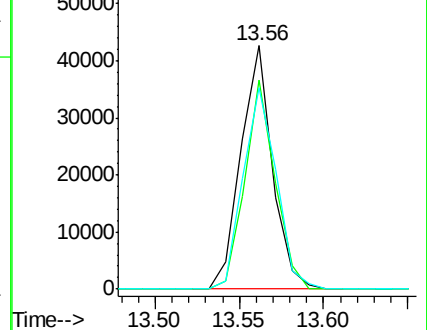
176 82.8 0.0 193.2

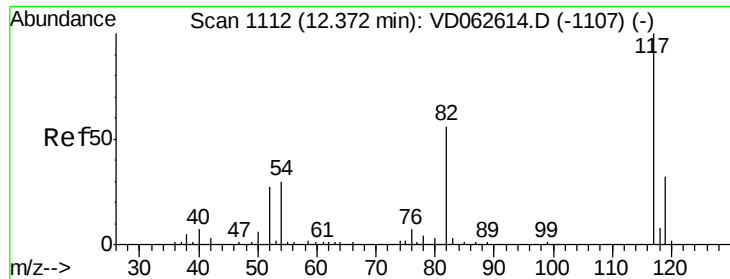


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

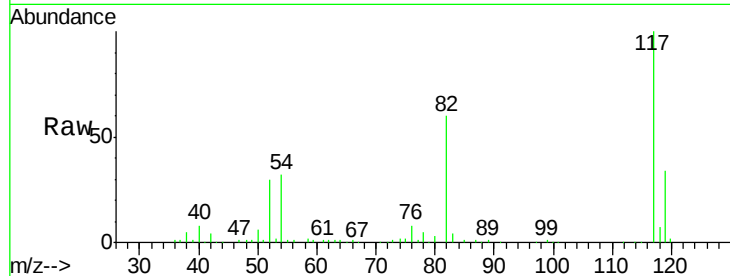




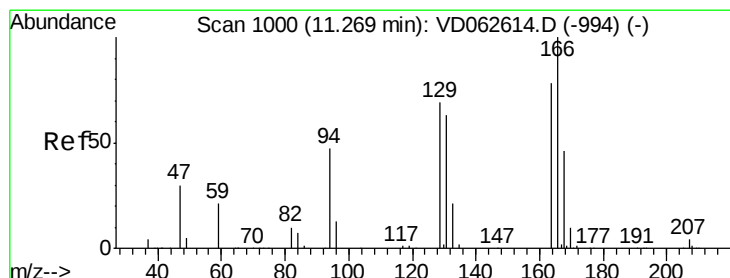
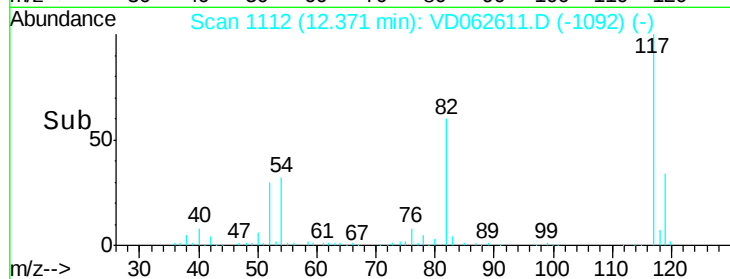
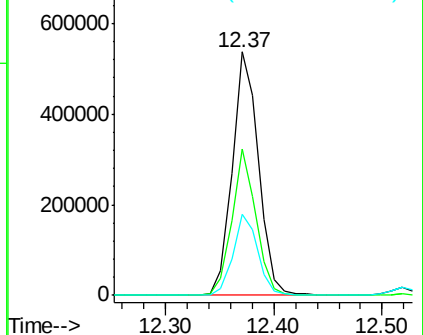
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 903459
Ion Ratio Lower Upper
117 100
82 60.1 45.0 67.6
119 33.5 25.7 38.5

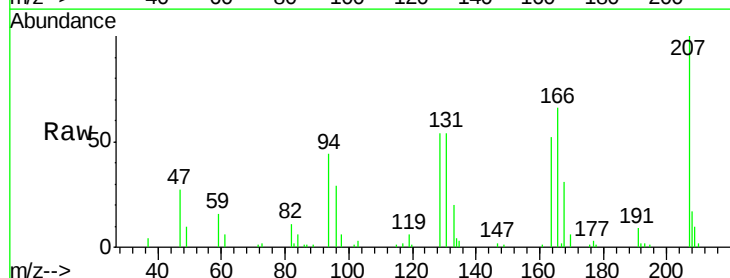


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

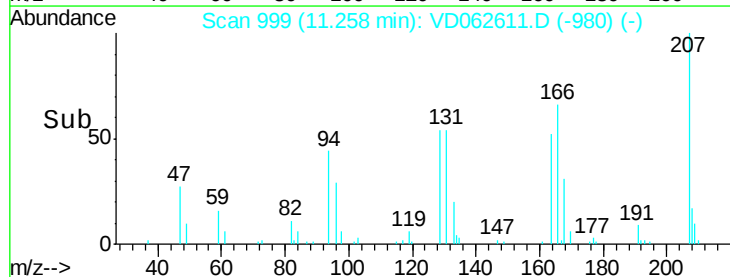
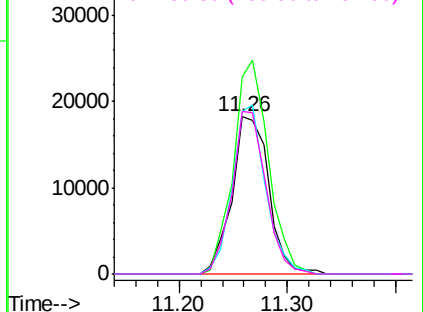


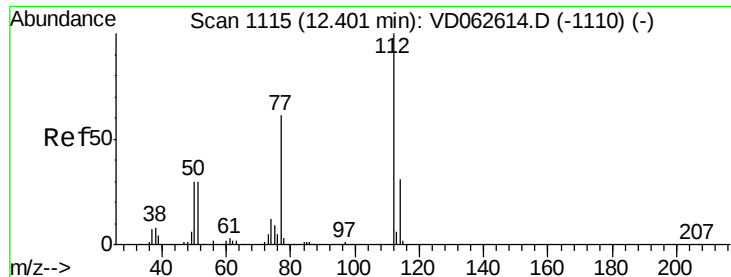
#64
Tetrachloroethene
Concen: 5.321 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Tgt Ion:164 Resp: 43419
Ion Ratio Lower Upper
164 100
166 125.7 102.6 153.8
129 103.8 70.3 105.5
131 104.0 65.0 97.6#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

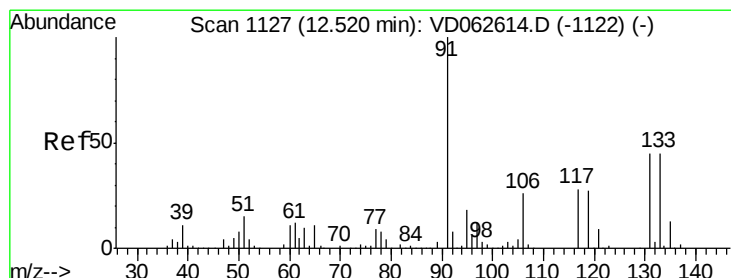
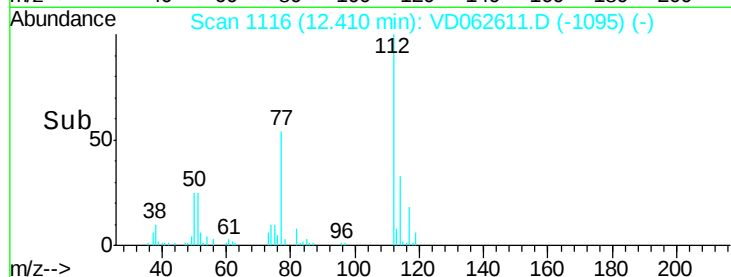
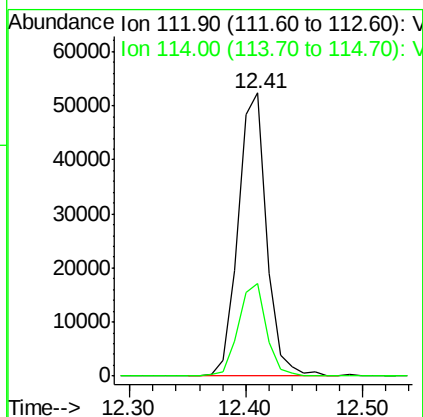
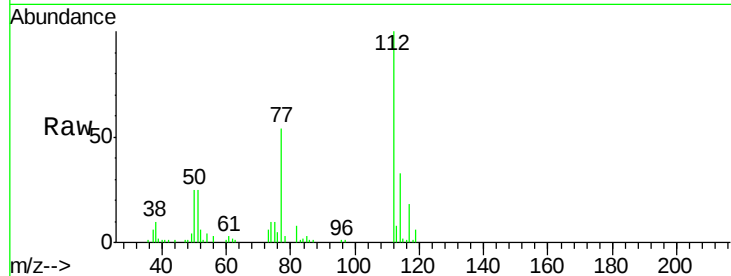




#65
Chlorobenzene
Concen: 4.698 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

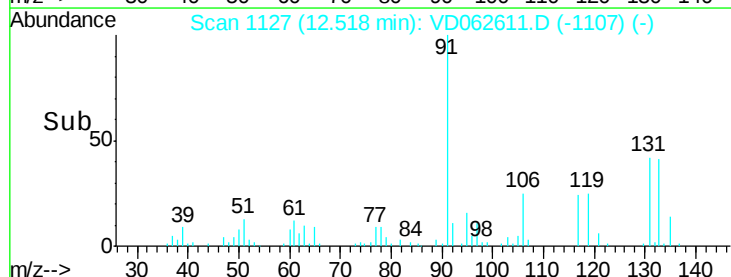
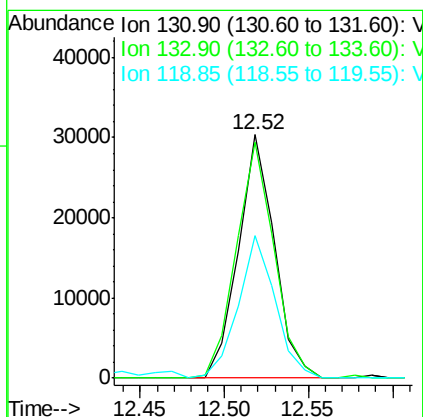
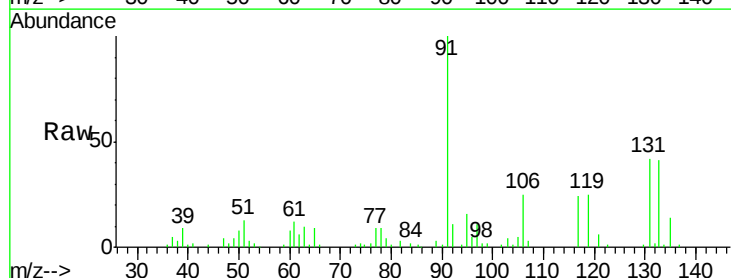
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

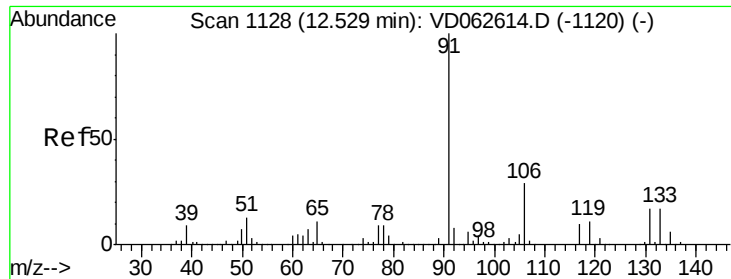
Tot Ion:112 Resp: 88189
Ion Ratio Lower Upper
112 100
114 32.6 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.987 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Tgt Ion:131 Resp: 45006
Ion Ratio Lower Upper
131 100
133 96.7 50.1 150.4
119 58.6 30.1 90.3

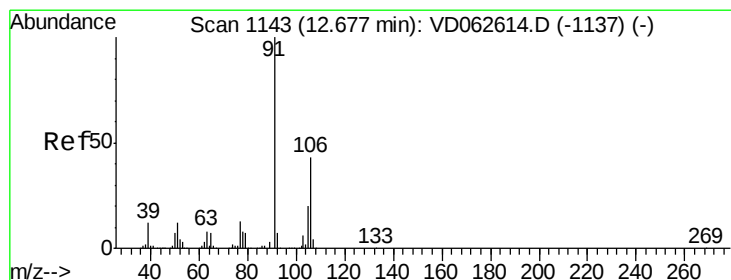
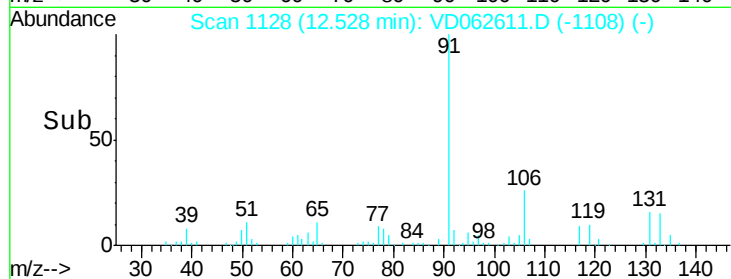
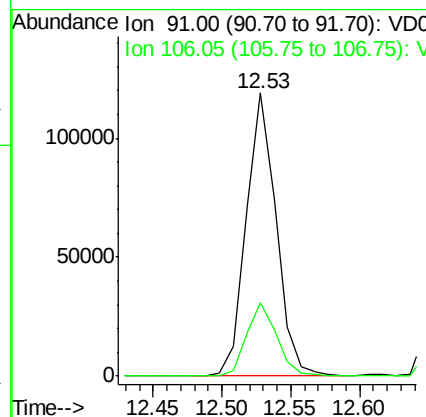
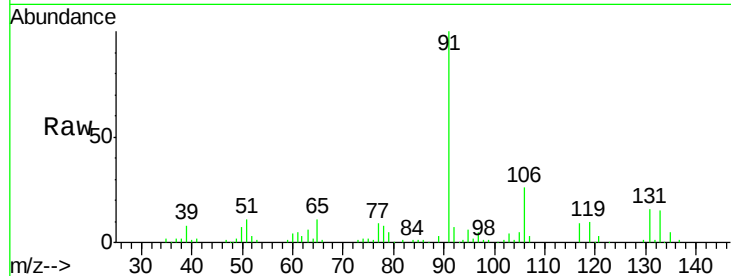




#67
Ethyl Benzene
Concen: 5.341 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

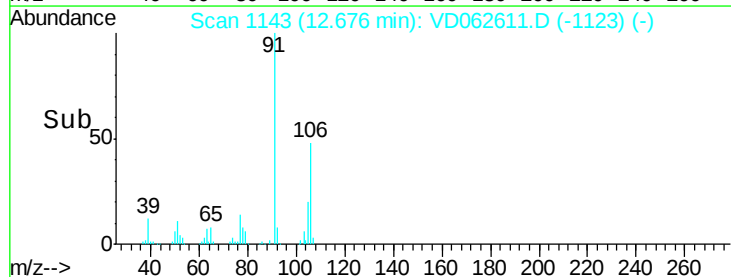
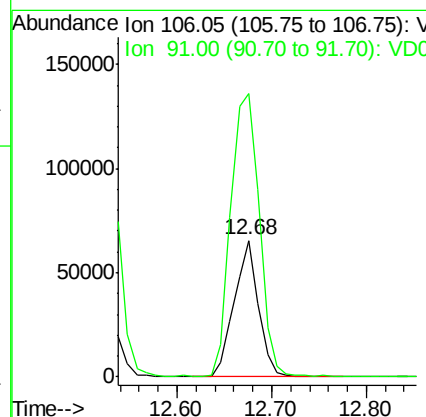
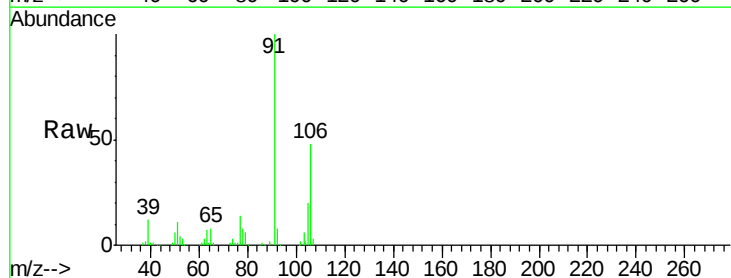
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

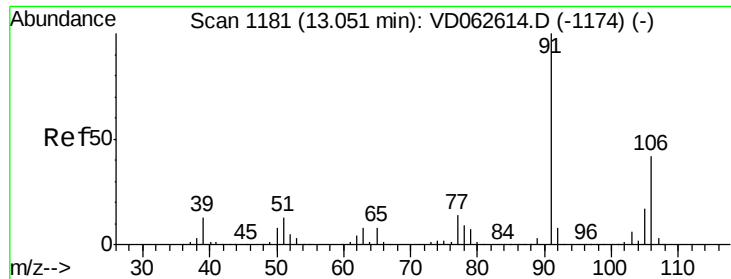
Tot Ion: 91 Resp: 181213
Ion Ratio Lower Upper
91 100
106 25.9 23.0 34.4



#68
m/p-Xylenes
Concen: 9.888 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Tgt Ion: 106 Resp: 117025
Ion Ratio Lower Upper
106 100
91 207.0 184.1 276.1

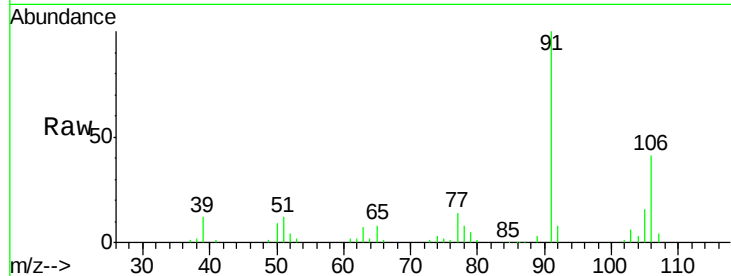




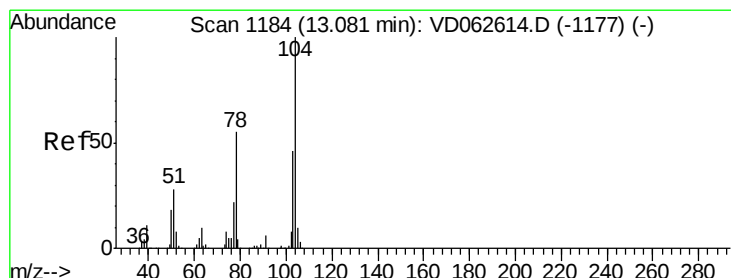
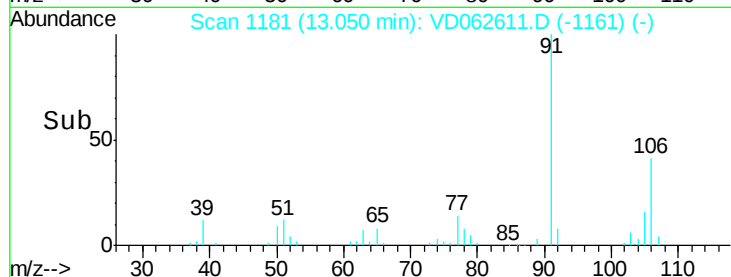
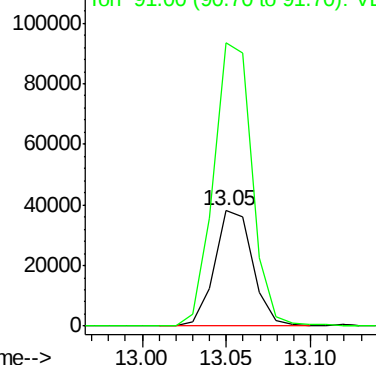
#69
o-Xylene
Concen: 5.264 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 60032
Ion Ratio Lower Upper
106 100
91 245.5 118.8 356.5

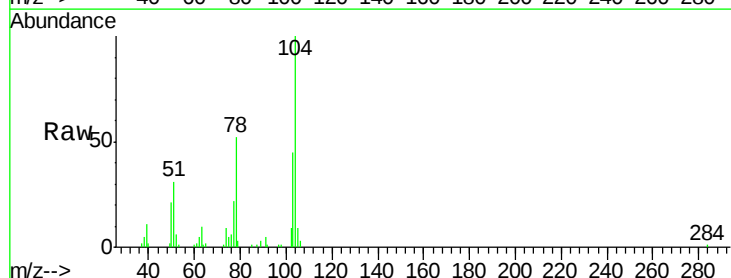


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

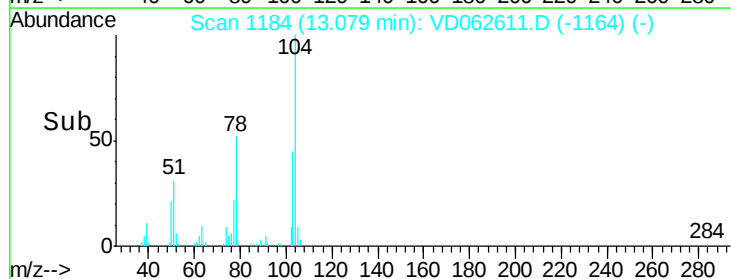
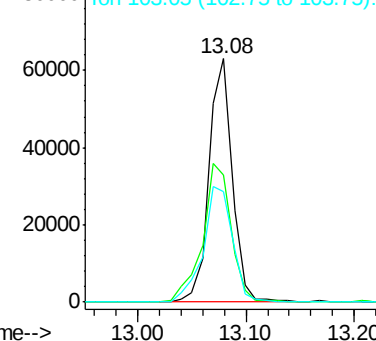


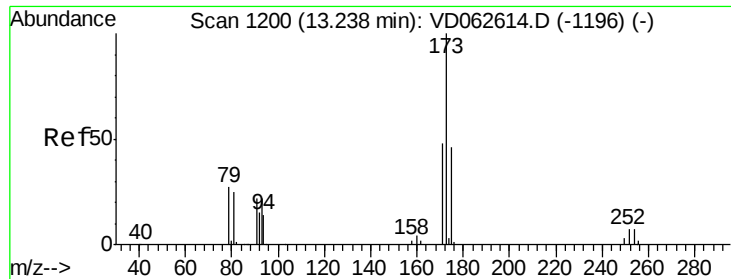
#70
Styrene
Concen: 4.929 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Tgt Ion:104 Resp: 94420
Ion Ratio Lower Upper
104 100
78 52.2 43.8 65.8
103 45.3 36.6 54.8



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 4.624 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

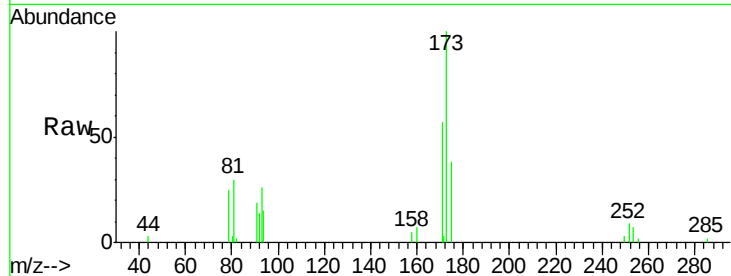
Tot Ion:173 Resp: 28822

Ion Ratio Lower Upper

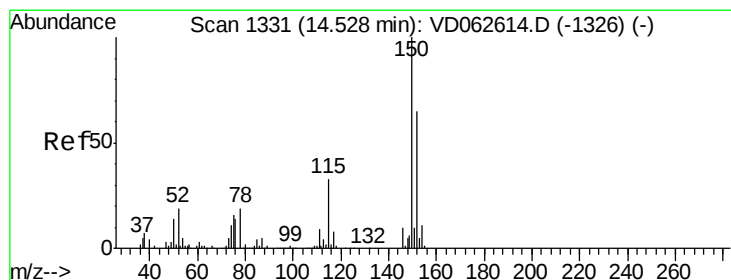
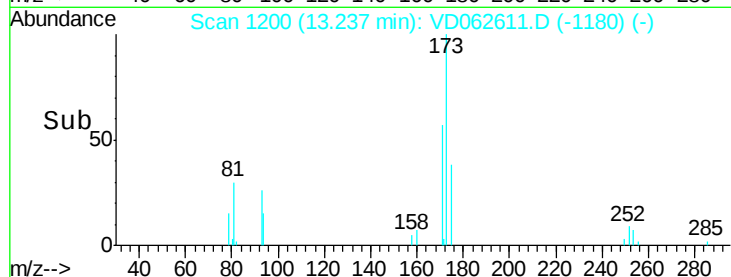
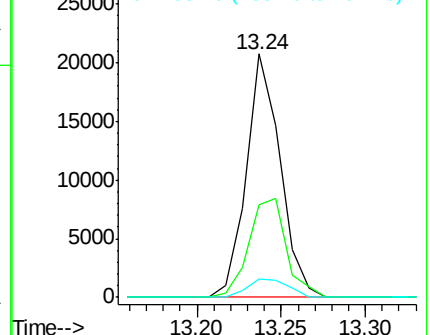
173 100

175 38.0 23.2 69.5

254 7.3 5.9 8.9



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

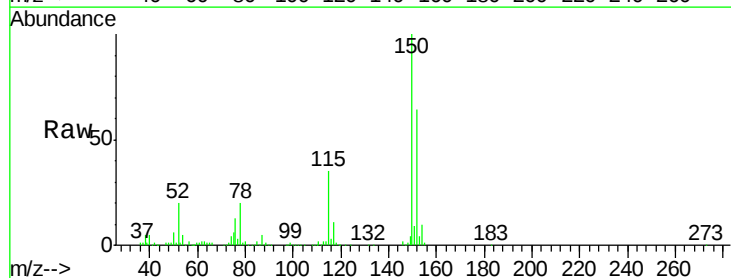
Tgt Ion:152 Resp: 485758

Ion Ratio Lower Upper

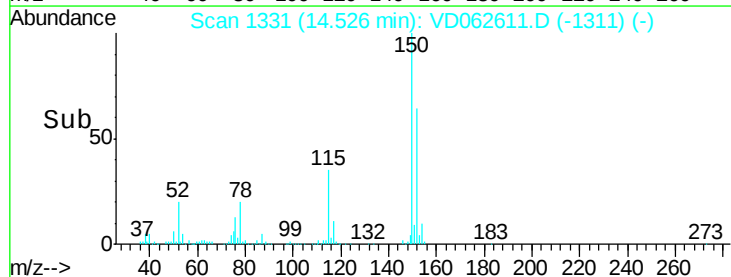
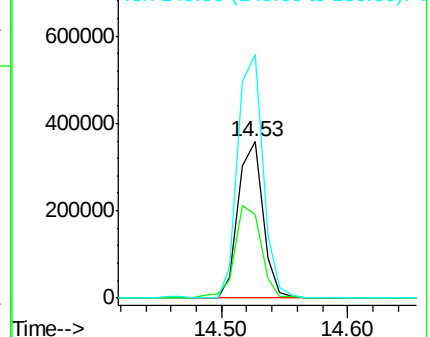
152 100

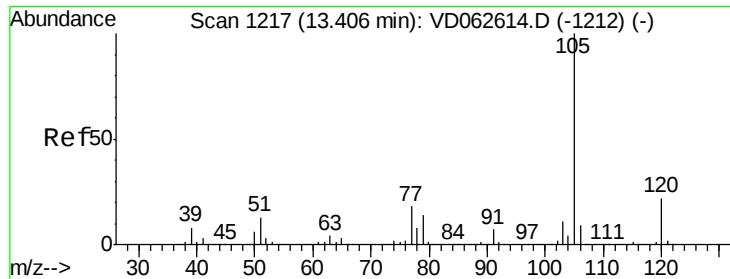
115 53.9 27.1 81.3

150 155.9 0.0 315.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.764 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

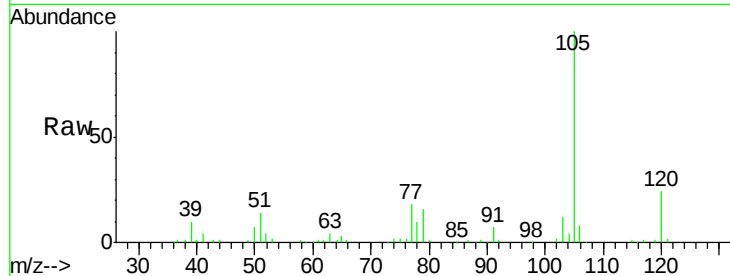
VSTDIC005

Tot Ion:105 Resp: 160894

Ion Ratio Lower Upper

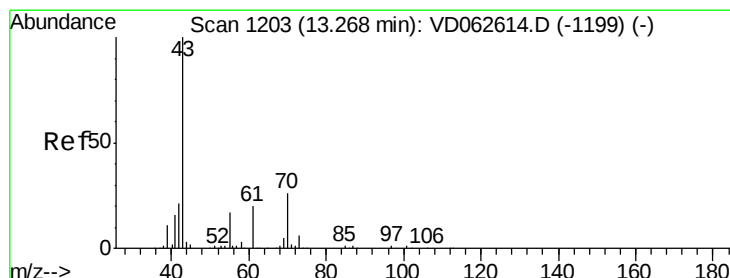
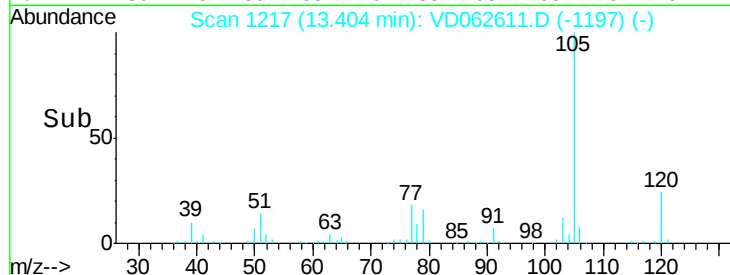
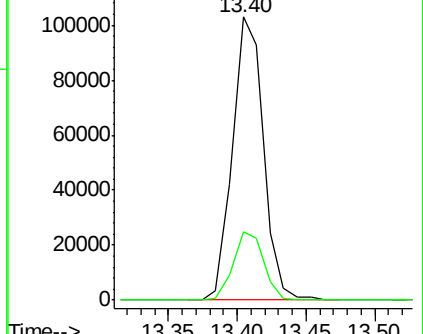
105 100

120 24.1 11.2 33.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 4.793 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Tgt Ion: 43 Resp: 41798

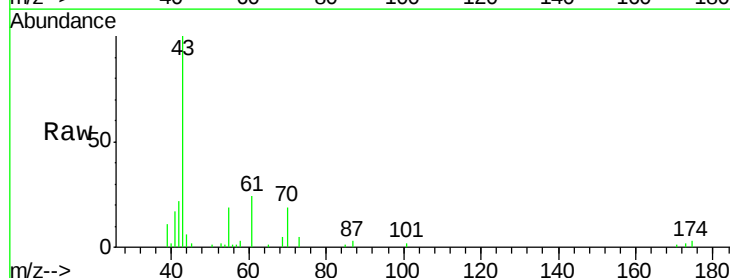
Ion Ratio Lower Upper

43 100

70 18.8 20.5 30.7#

55 18.7 13.8 20.8

61 23.5 15.9 23.9

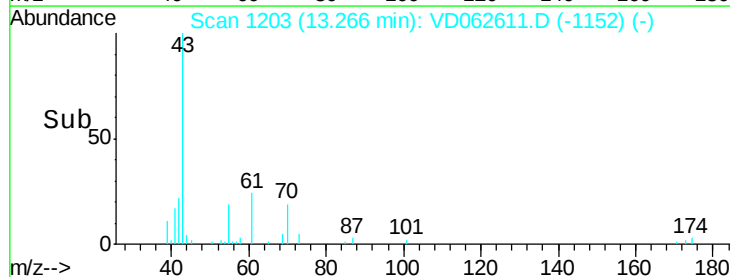
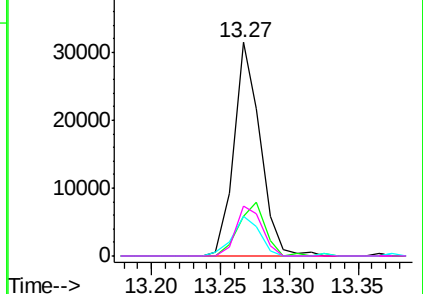


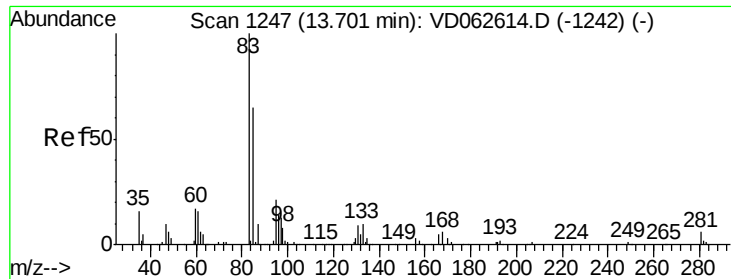
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 5.049 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

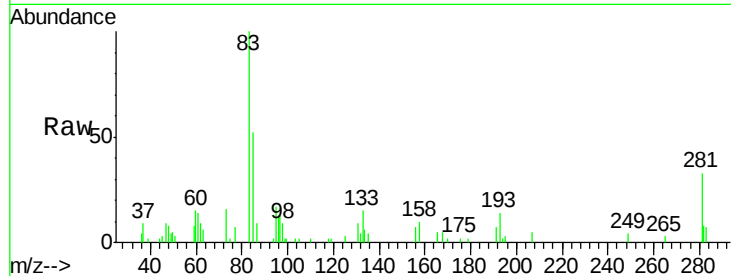
MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 28590

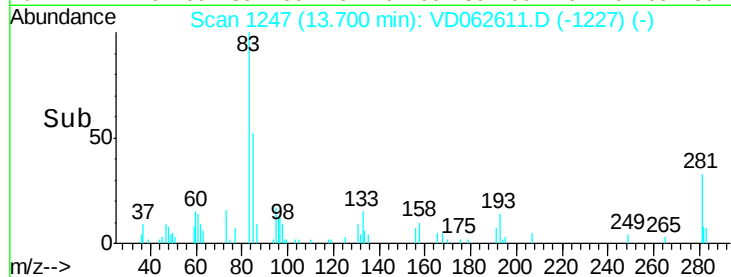
Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.7	14.0
85	52.2	32.3	96.9



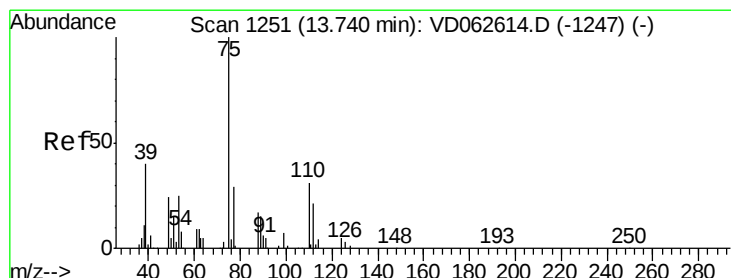
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



Time-->



#76

1,2,3-Trichloropropane

Concen: 5.235 ug/l

RT: 13.74 min Scan# 1251

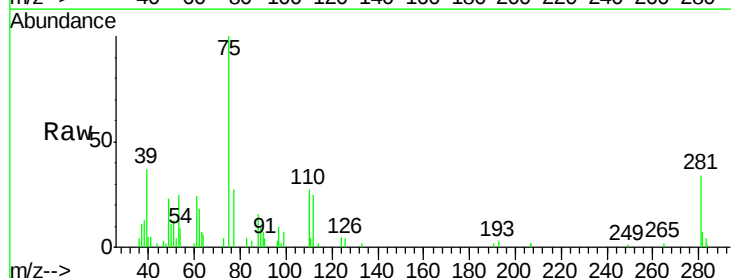
Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

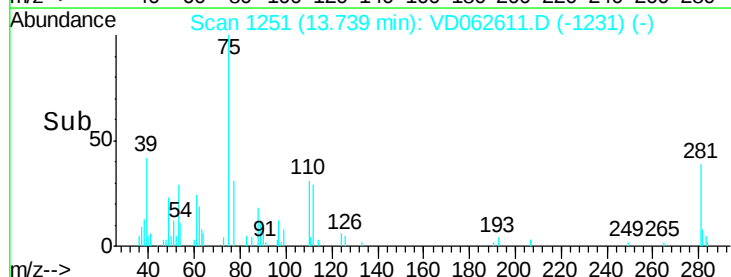
Tgt Ion: 75 Resp: 33172

Ion	Ratio	Lower	Upper
75	100		
77	26.6	16.7	50.1

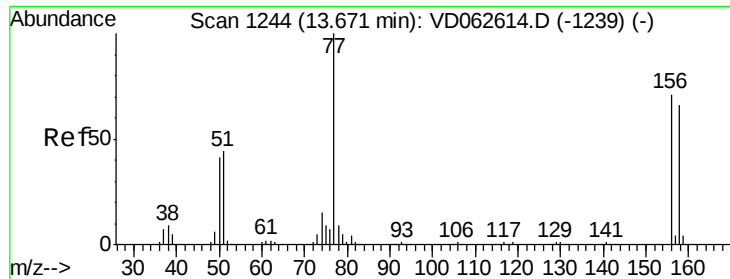


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



Time-->



#77

Bromobenzene

Concen: 4.920 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

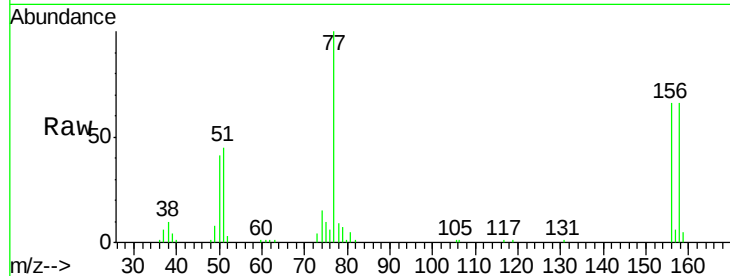
Tot Ion:156 Resp: 46223

Ion Ratio Lower Upper

156 100

77 151.4 70.5 211.5

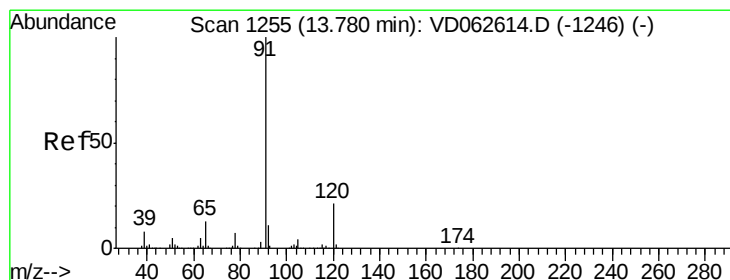
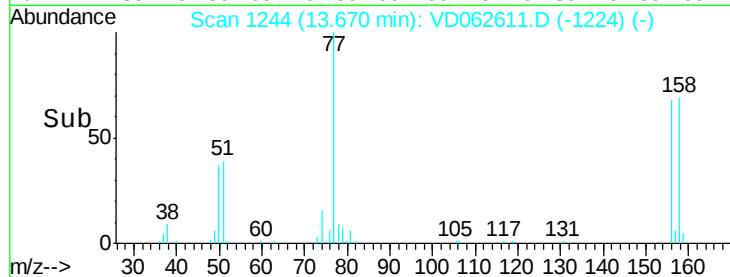
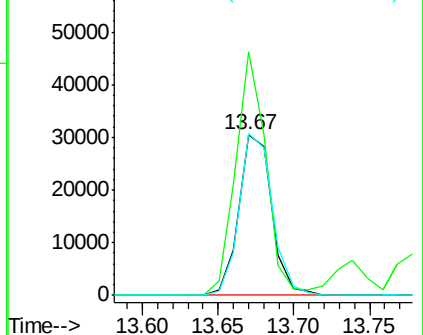
158 100.6 46.9 140.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 5.301 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062611.D

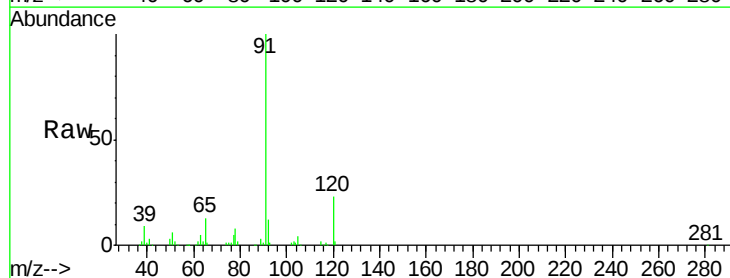
Acq: 5 Jun 2019 13:52

Tgt Ion: 91 Resp: 207637

Ion Ratio Lower Upper

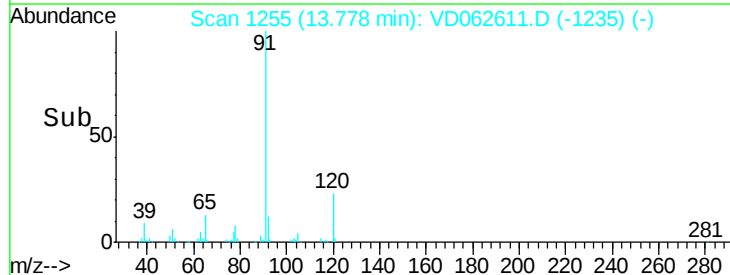
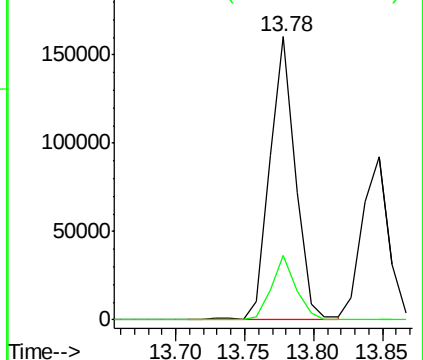
91 100

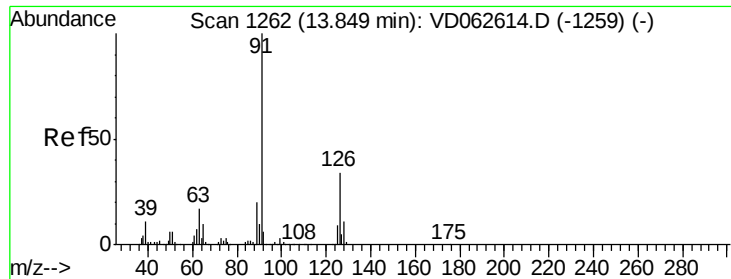
120 22.8 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

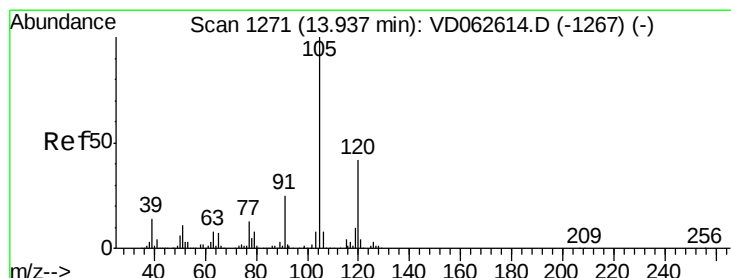
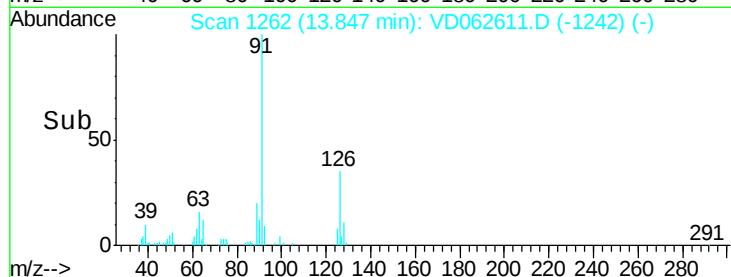
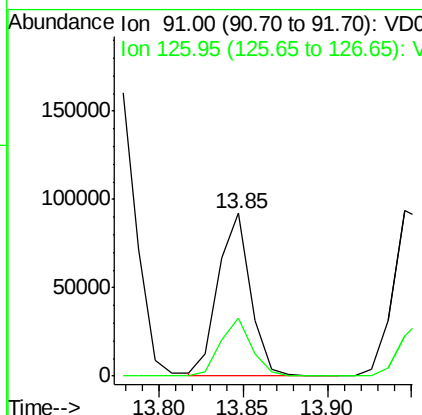
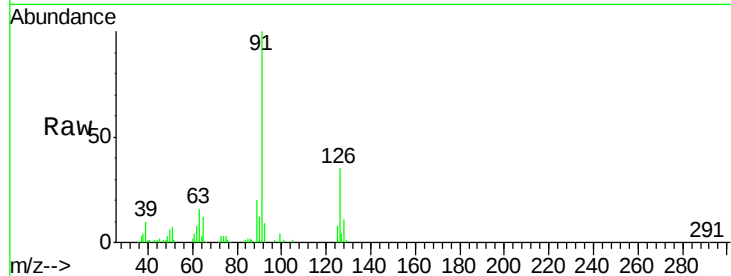




#79
 2-Chlorotoluene
 Concen: 5.174 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

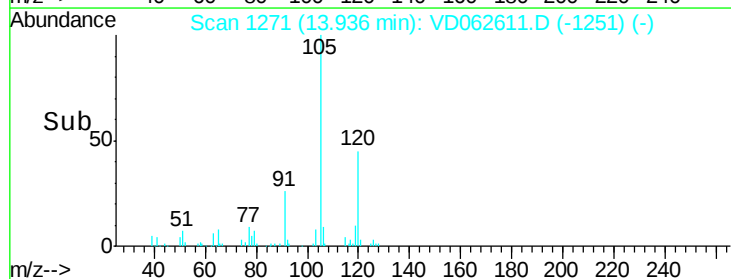
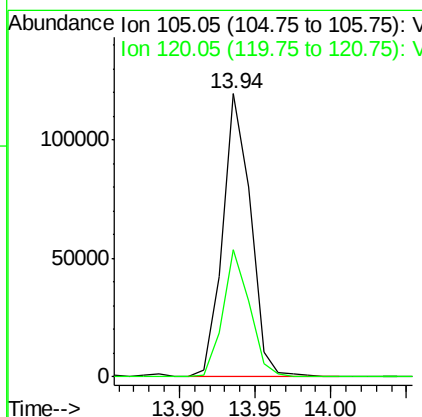
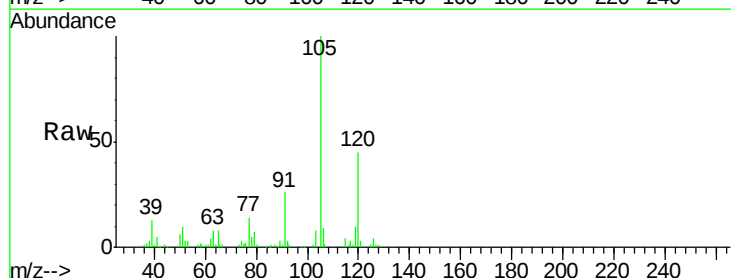
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

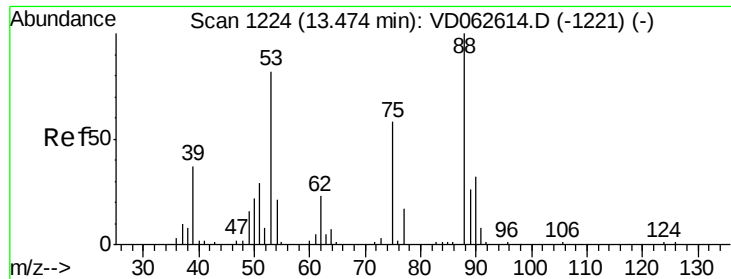
Tot Ion: 91 Resp: 122876
 Ion Ratio Lower Upper
 91 100
 126 35.4 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 5.258 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Tgt Ion: 105 Resp: 152853
 Ion Ratio Lower Upper
 105 100
 120 44.9 21.1 63.4





#81

trans-1,4-Dichloro-2-butene

Concen: 5.024 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

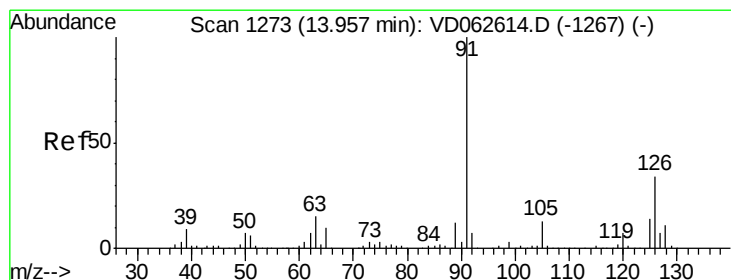
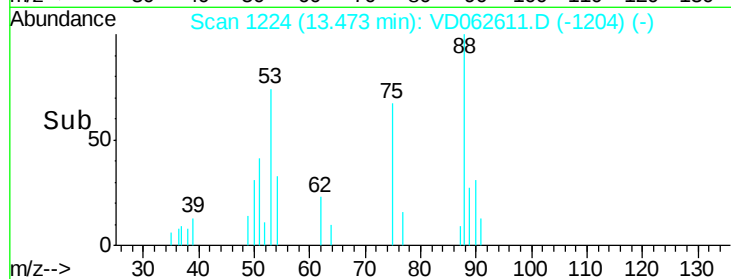
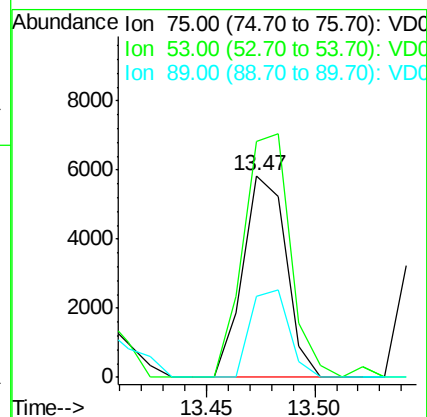
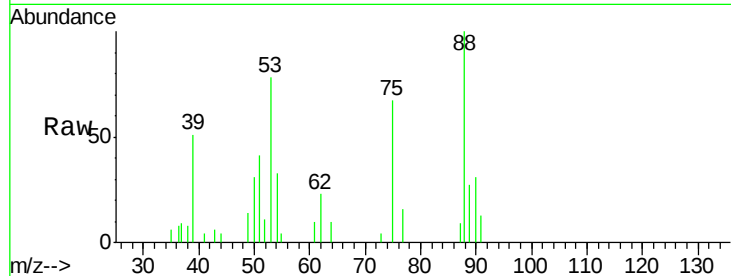
Tot Ion: 75 Resp: 8183

Ion Ratio Lower Upper

75 100

53 116.8 113.2 169.8

89 39.9 36.9 55.3



#82

4-Chlorotoluene

Concen: 5.305 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD062611.D

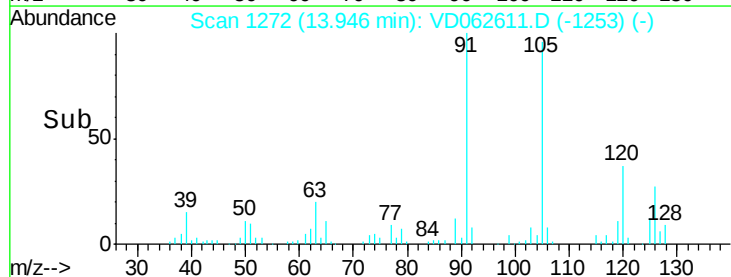
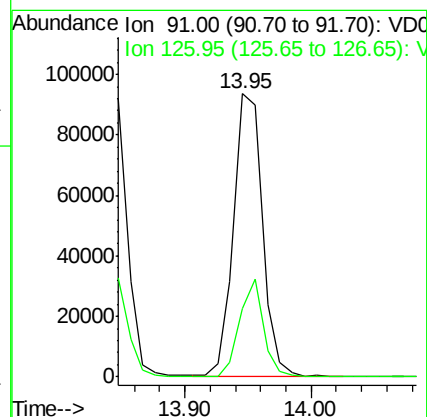
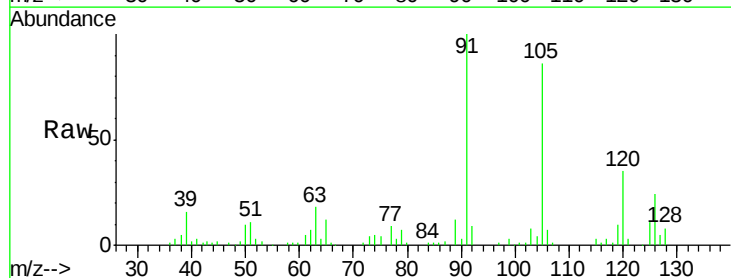
Acq: 5 Jun 2019 13:52

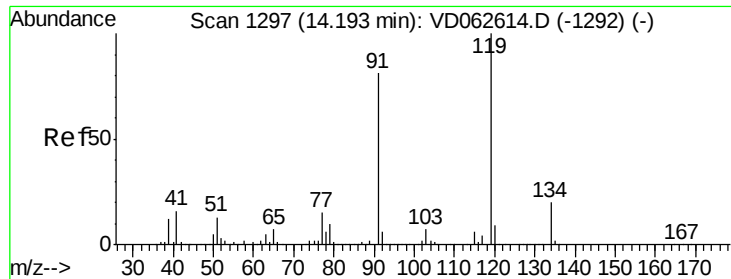
Tgt Ion: 91 Resp: 148242

Ion Ratio Lower Upper

91 100

126 24.1 16.8 50.4

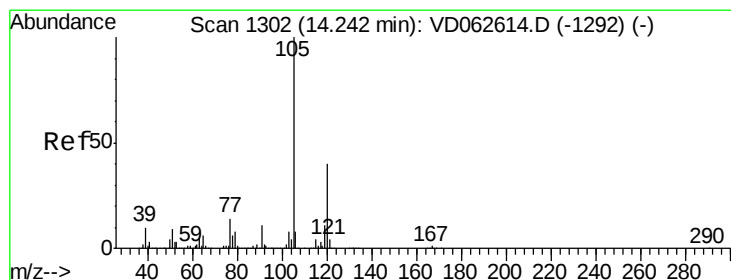
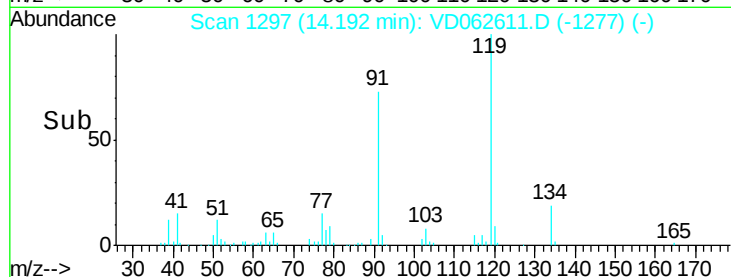
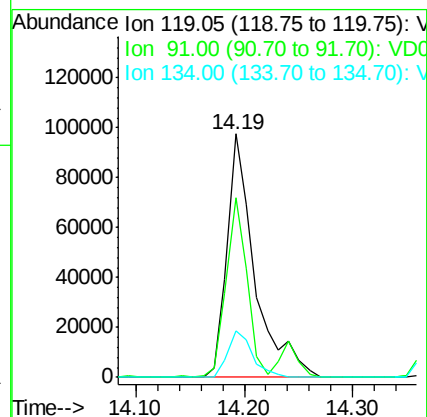
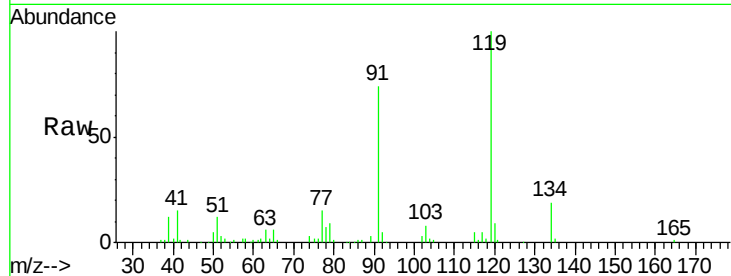




#83
tert-Butylbenzene
Concen: 5.451 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

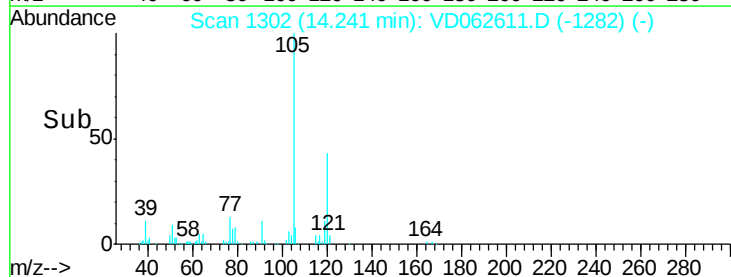
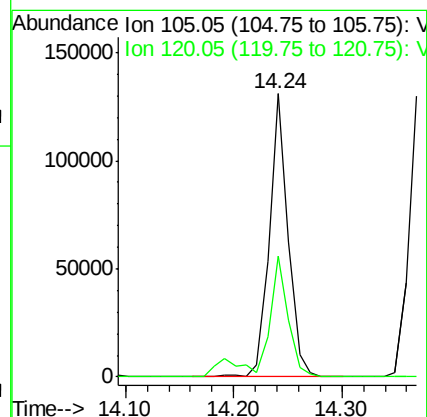
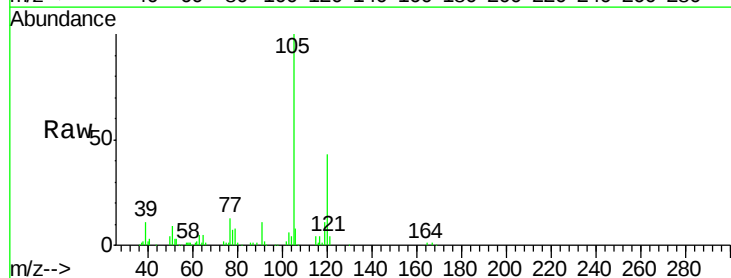
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

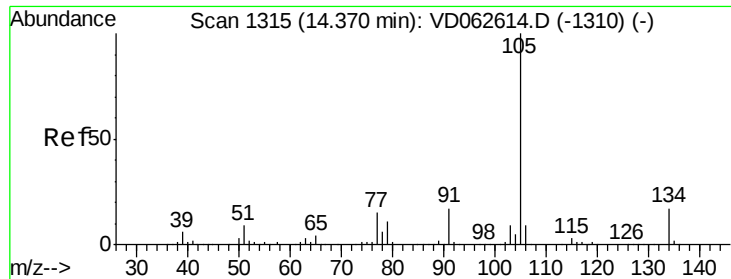
Tot Ion:119 Resp: 174465
Ion Ratio Lower Upper
119 100
91 73.8 40.8 122.2
134 19.3 10.3 30.8



#84
1,2,4-Trimethylbenzene
Concen: 5.309 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Tgt Ion:105 Resp: 157956
Ion Ratio Lower Upper
105 100
120 42.7 19.9 59.7





#85

sec-Butylbenzene

Concen: 5.123 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

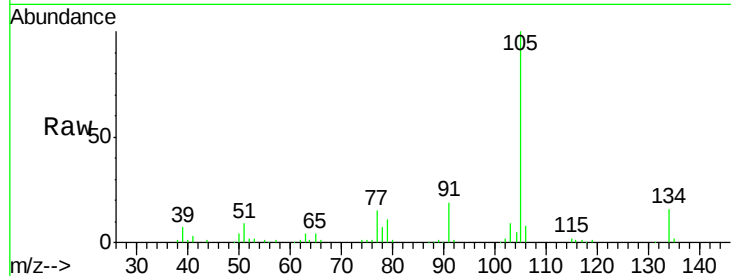
VSTDIC005

Tot Ion:105 Resp: 168963

Ion Ratio Lower Upper

105 100

134 16.0 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

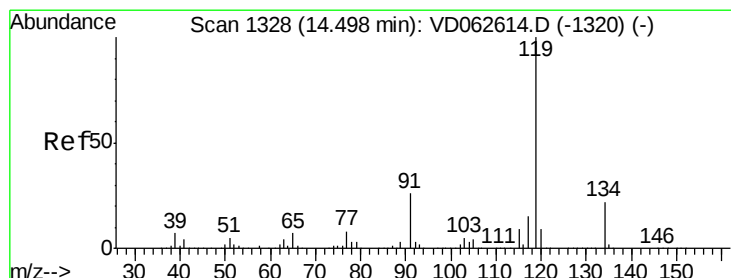
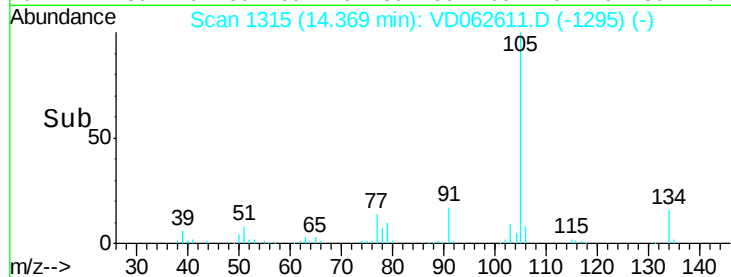
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 5.008 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

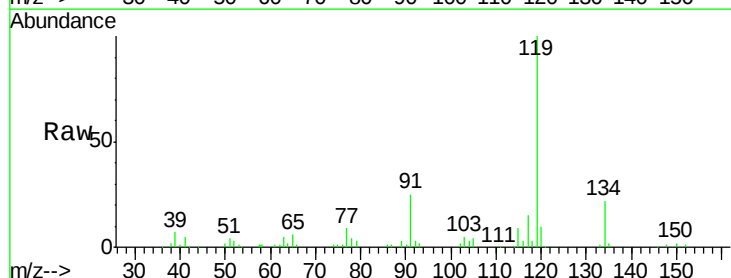
Tgt Ion:119 Resp: 158795

Ion Ratio Lower Upper

119 100

134 21.5 11.2 33.5

91 25.3 13.3 39.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.50

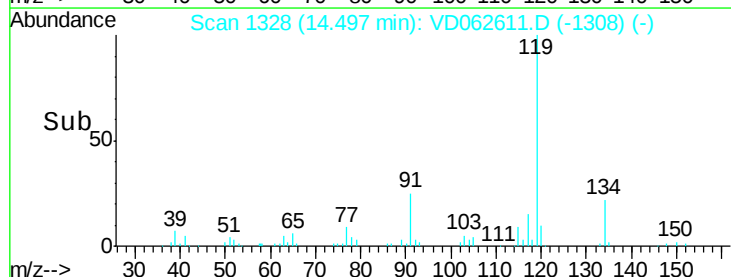
150000

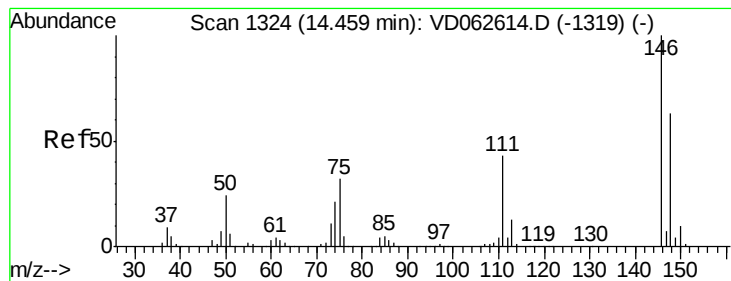
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 4.675 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Instrument :

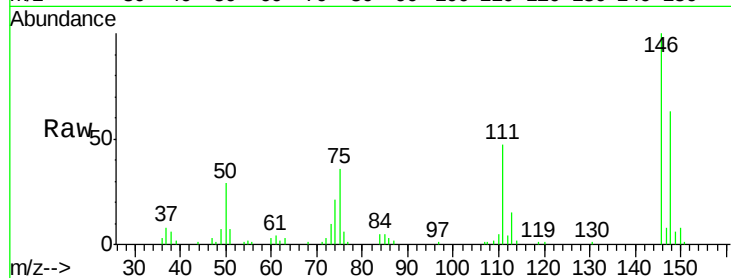
MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:146 Resp: 73715

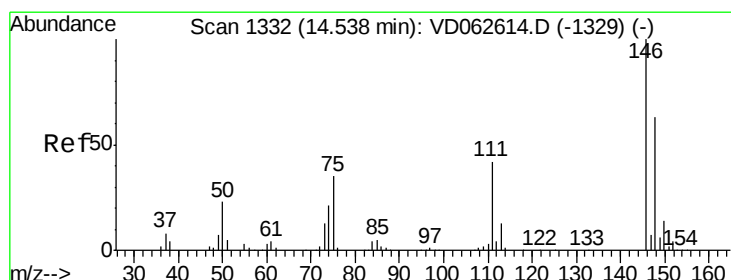
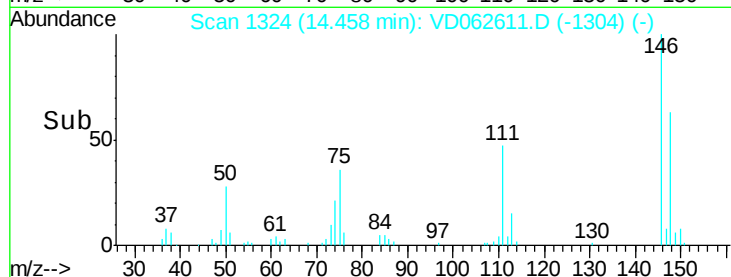
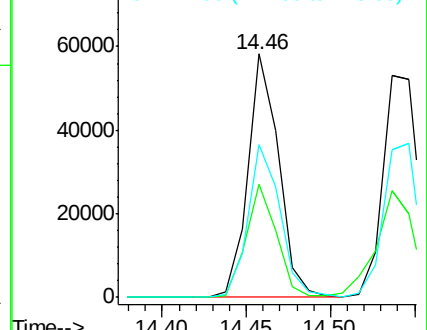
Ion	Ratio	Lower	Upper
146	100		
111	46.5	21.6	64.6
148	62.6	31.3	93.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 4.912 ug/l

RT: 14.54 min Scan# 1332

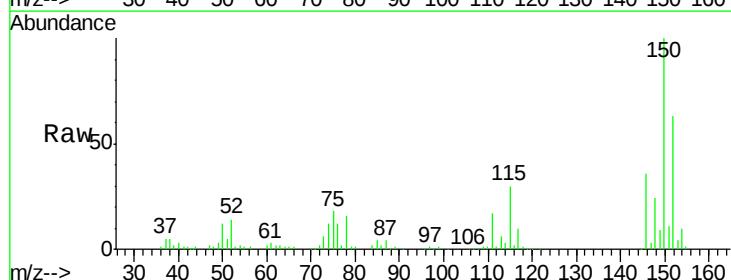
Delta R.T. -0.00 min

Lab File: VD062611.D

Acq: 5 Jun 2019 13:52

Tgt Ion:146 Resp: 78442

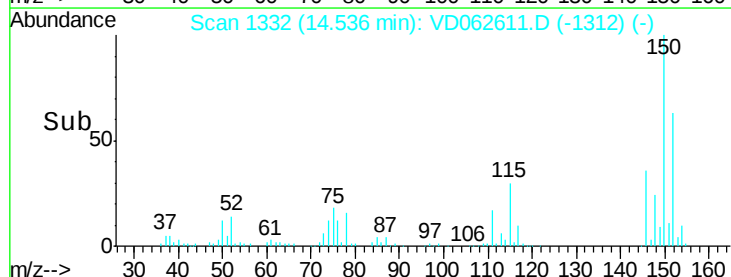
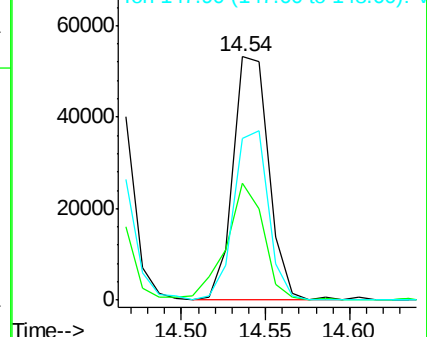
Ion	Ratio	Lower	Upper
146	100		
111	47.9	20.9	62.8
148	66.3	31.5	94.5

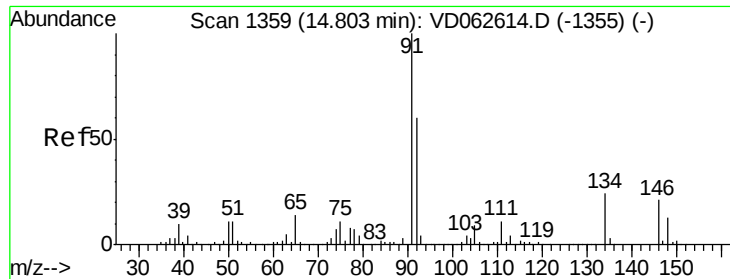


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

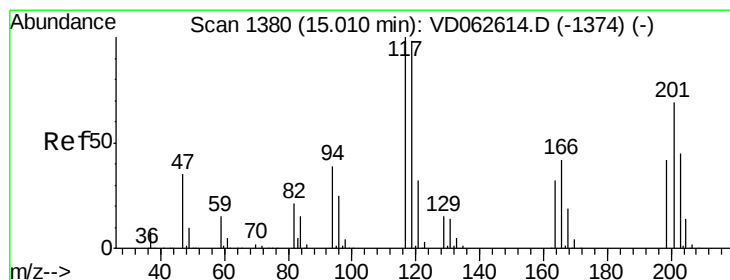
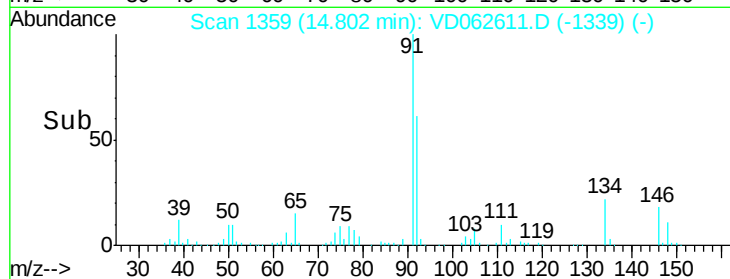
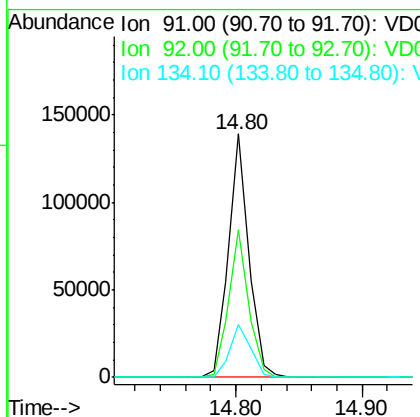
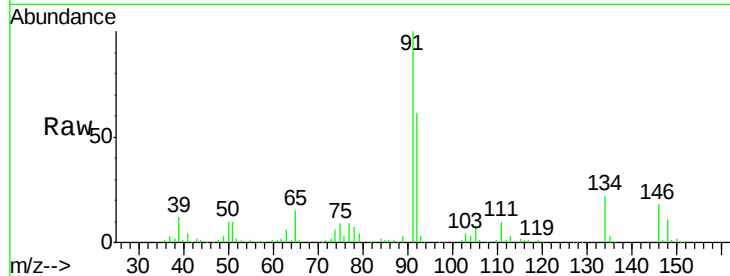




#89
n-Butylbenzene
Concen: 5.287 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

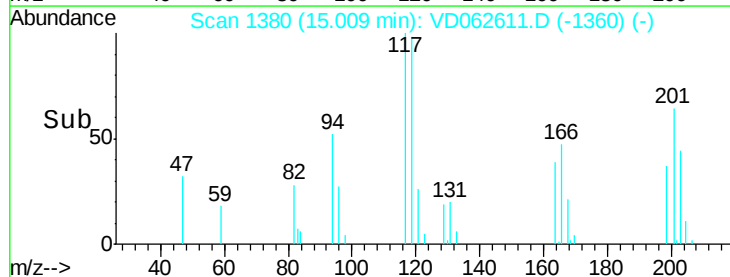
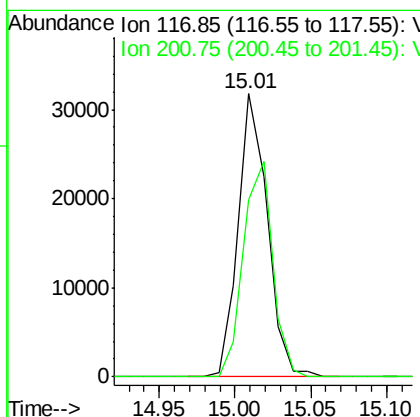
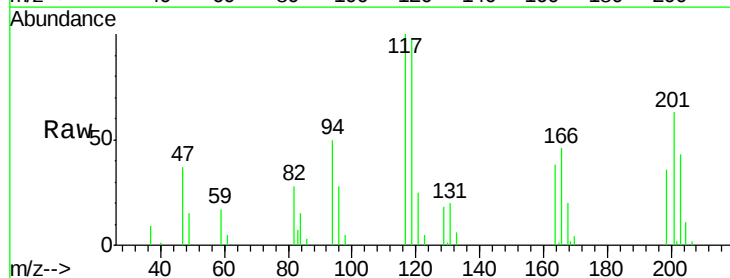
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

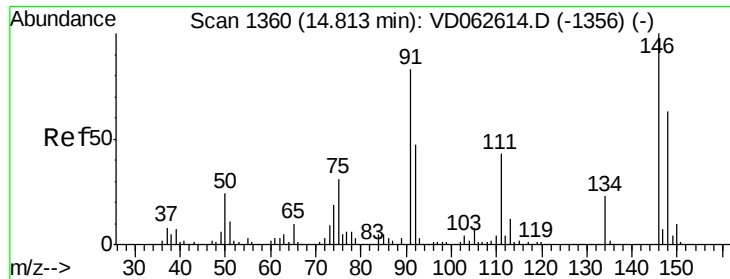
Tot Ion: 91 Resp: 155863
Ion Ratio Lower Upper
91 100
92 60.5 29.9 89.7
134 21.6 12.1 36.3



#90
Hexachloroethane
Concen: 5.080 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Tgt Ion: 117 Resp: 42392
Ion Ratio Lower Upper
117 100
201 62.7 34.4 103.3

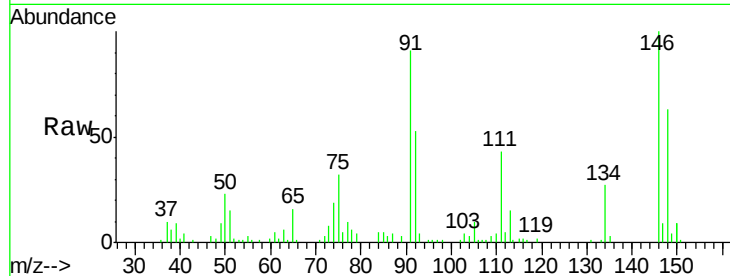




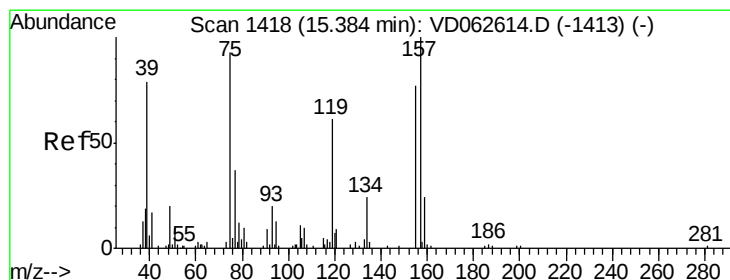
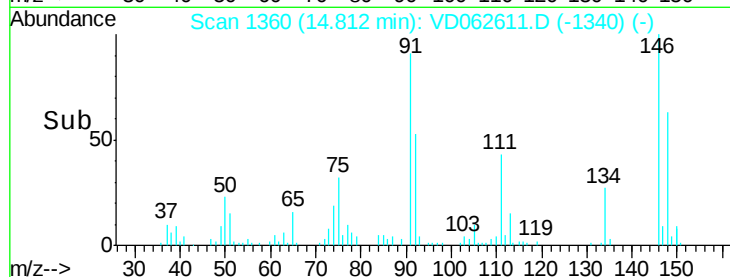
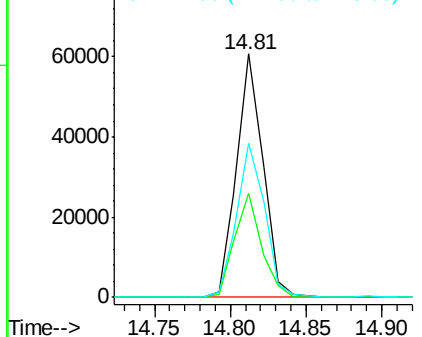
#91
 1,2-Dichlorobenzene
 Concen: 5.061 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:146 Resp: 73683
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.3 64.0
 148 63.3 31.4 94.3

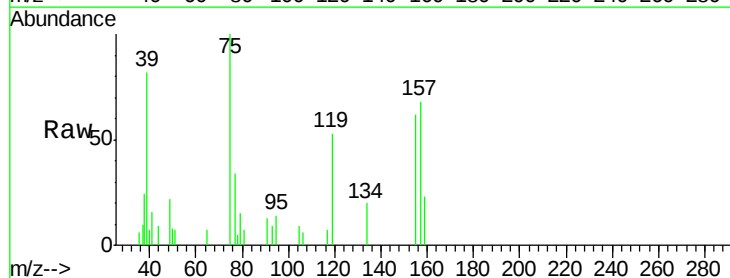


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

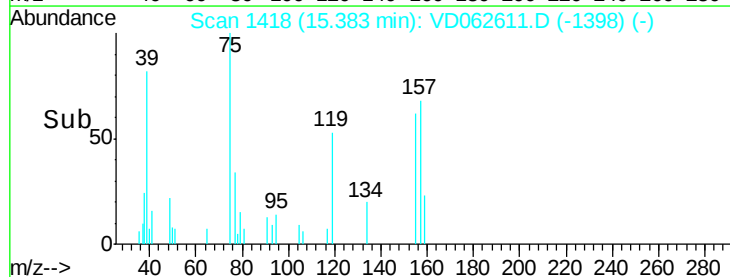
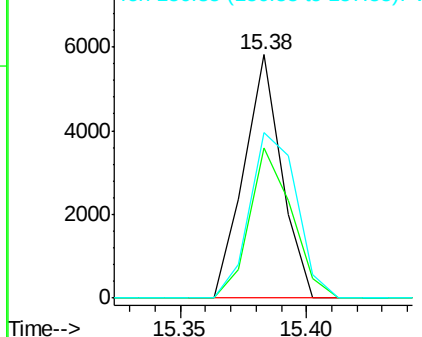


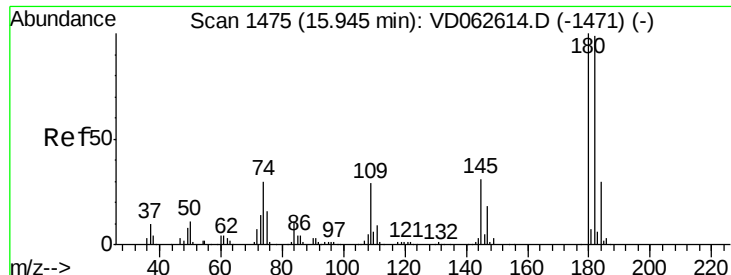
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.202 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Tgt Ion: 75 Resp: 6025
 Ion Ratio Lower Upper
 75 100
 155 61.9 41.6 124.8
 157 68.0 53.8 161.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

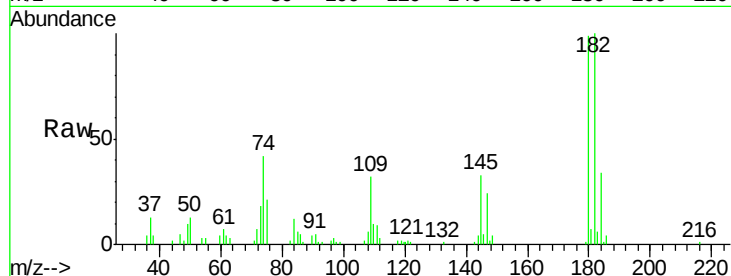




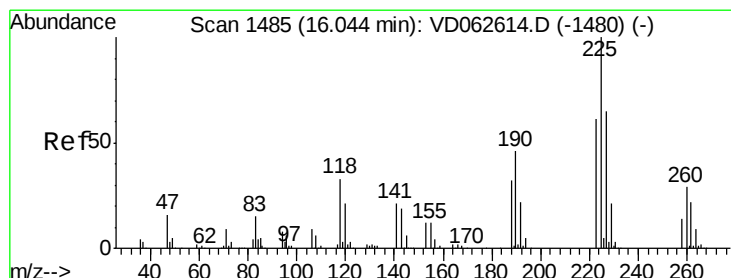
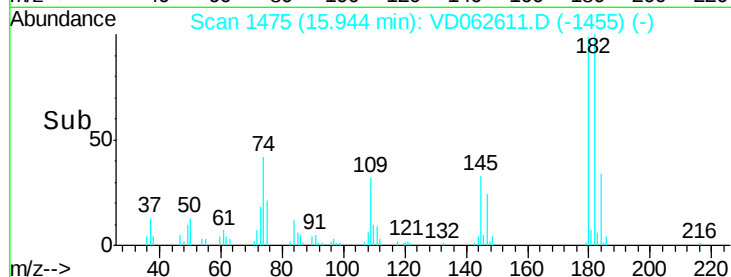
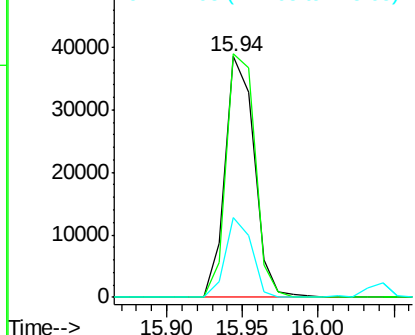
#93
 1,2,4-Trichlorobenzene
 Concen: 4.950 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 51788
 Ion Ratio Lower Upper
 180 100
 182 101.3 49.3 147.8
 145 33.4 15.7 47.1

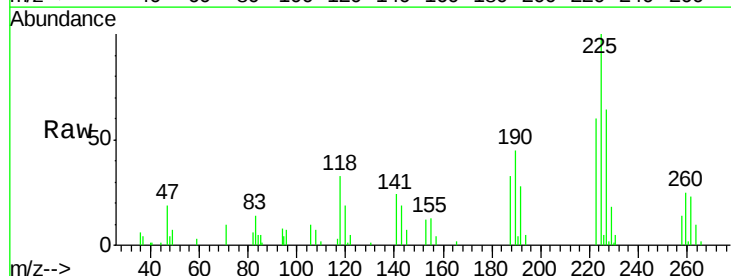


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

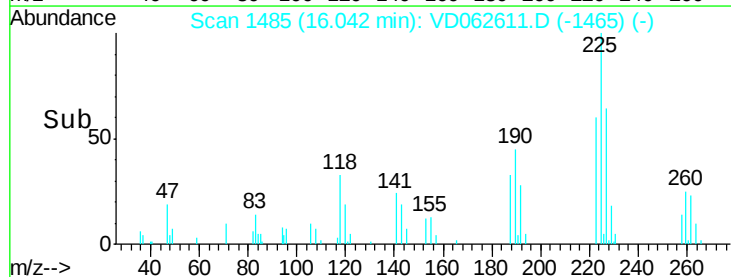
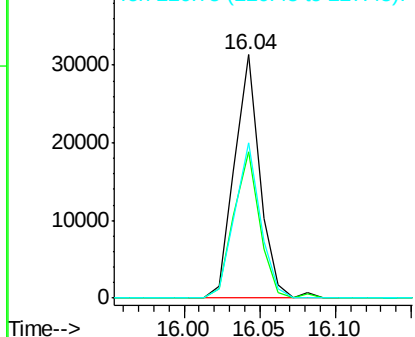


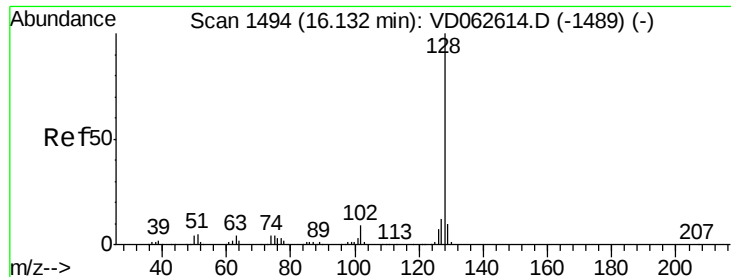
#94
 Hexachlorobutadiene
 Concen: 4.666 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Tgt Ion:225 Resp: 36615
 Ion Ratio Lower Upper
 225 100
 223 60.1 30.3 91.0
 227 63.9 32.4 97.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

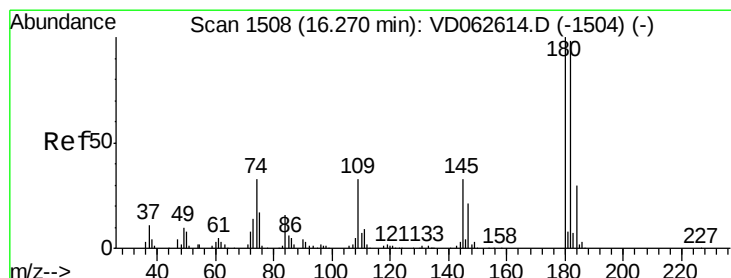
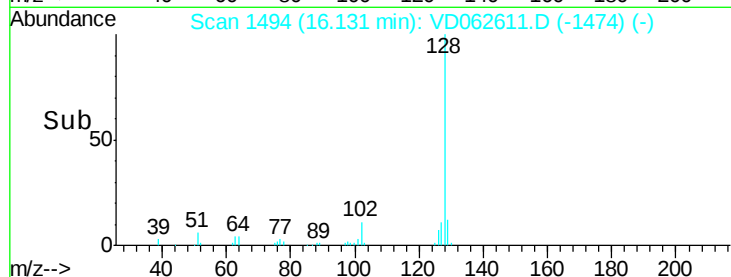
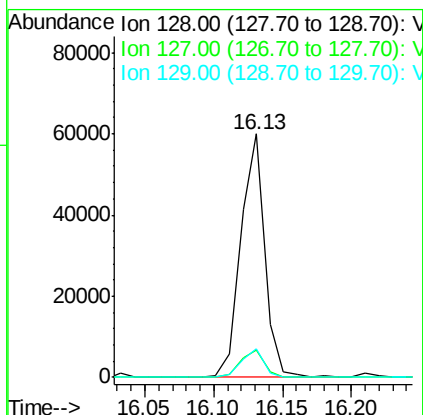
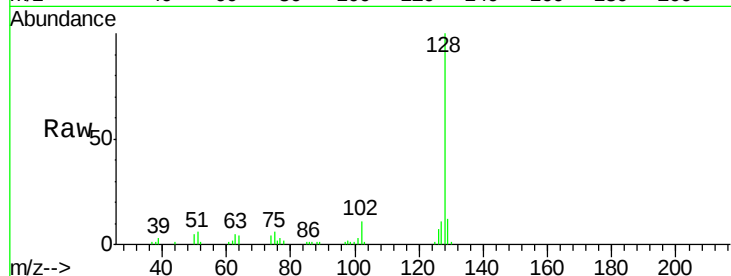




#95
Naphthalene
Concen: 4.857 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 72756
Ion Ratio Lower Upper
128 100
127 11.4 9.4 14.2
129 11.7 8.0 12.0



#96
1,2,3-Trichlorobenzene
Concen: 4.955 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Tgt Ion:180 Resp: 39636
Ion Ratio Lower Upper
180 100
182 105.6 49.1 147.3
145 23.7 16.6 49.7

