

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

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

					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

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 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

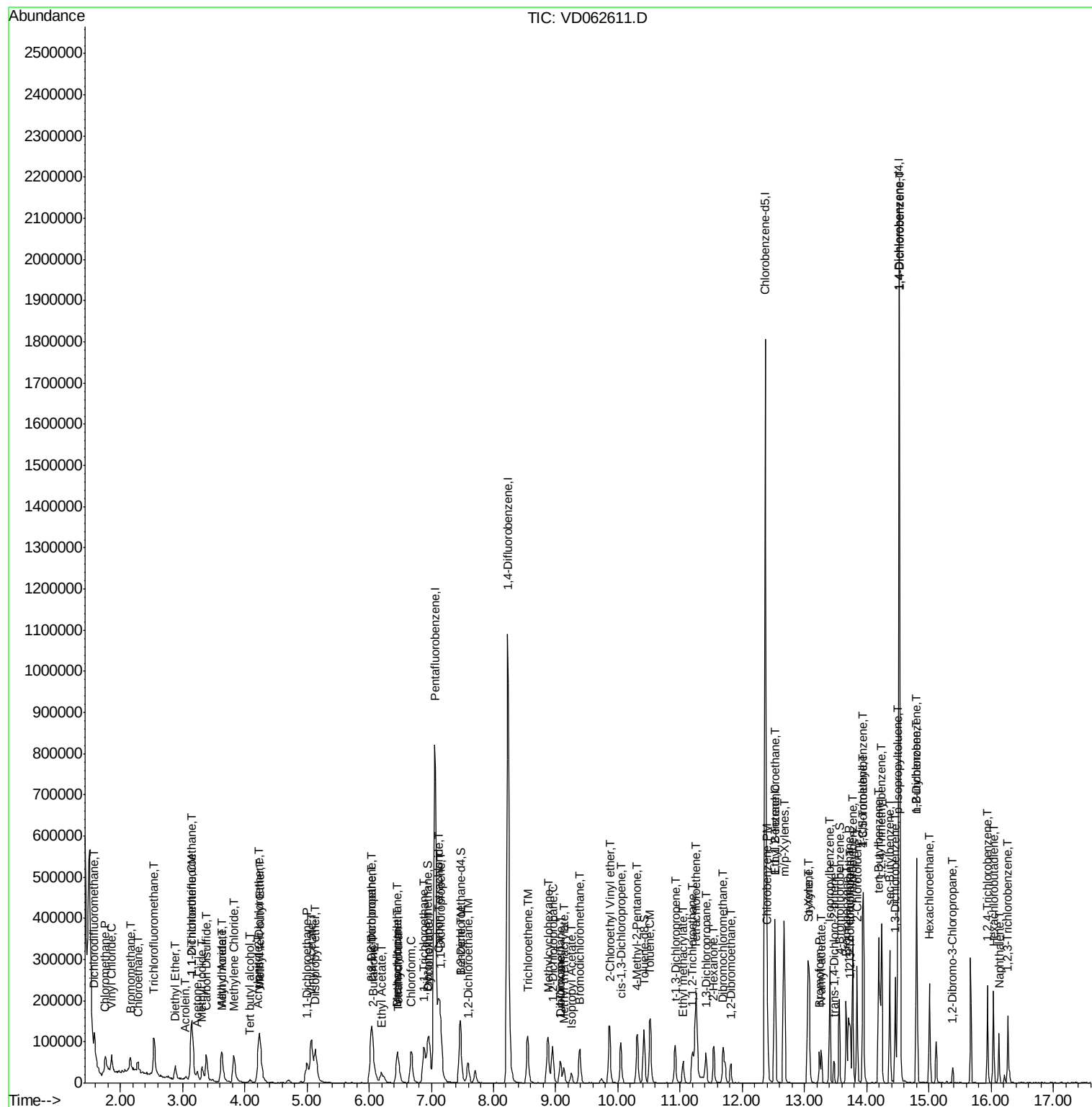
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	51788	4.950	ug/l	97
94) Hexachlorobutadiene	16.04	225	36615	4.666	ug/l	99
95) Naphthalene	16.13	128	72756	4.857	ug/l	97
96) 1,2,3-Trichlorobenzene	16.28	180	39636	4.955	ug/l	90

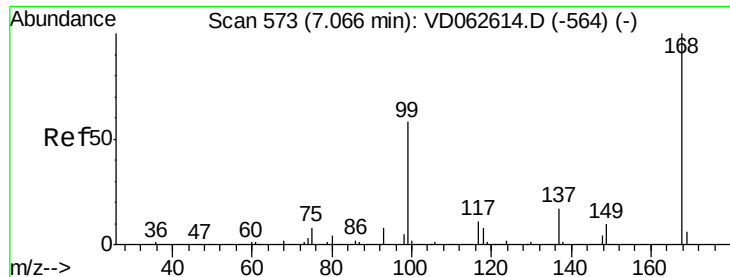
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062611.D
 Acq On : 5 Jun 2019 13:52
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00µ/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:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:23:50 2019
 Response via : Initial Calibration





#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 :

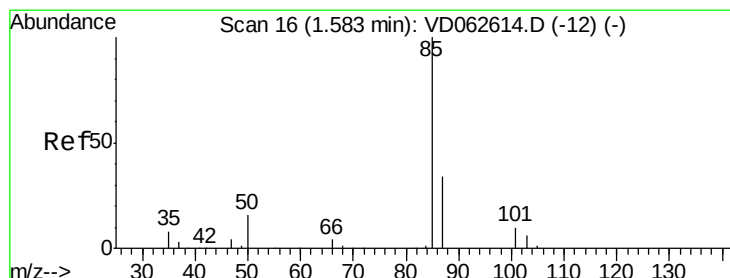
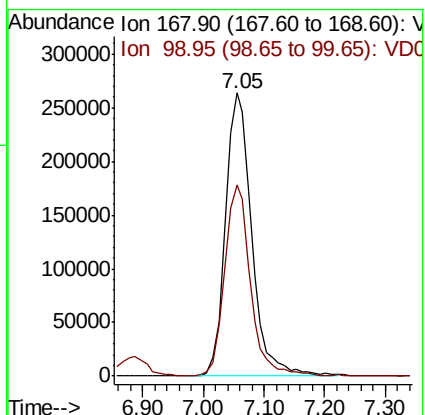
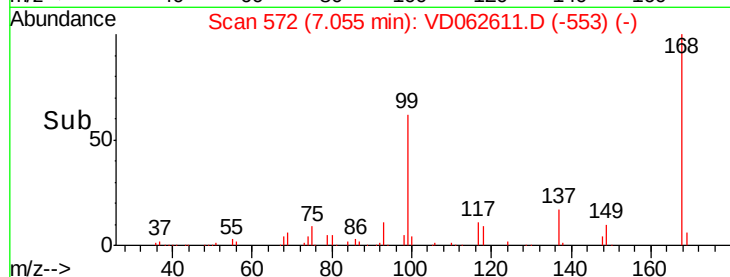
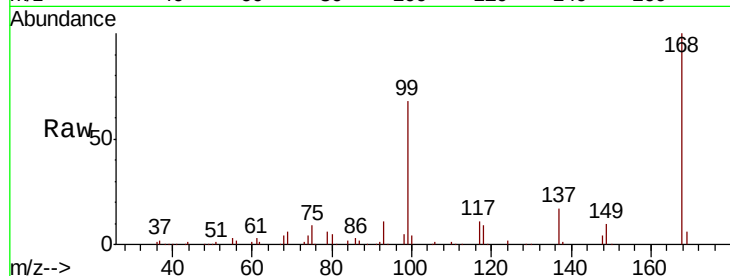
VSTDIC005

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

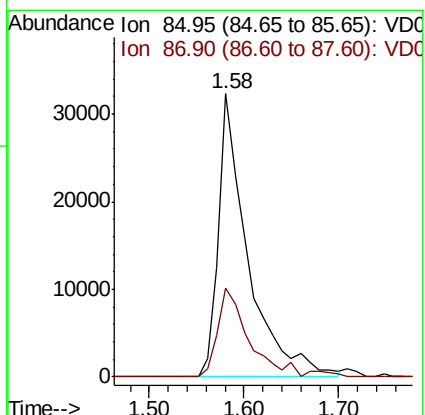
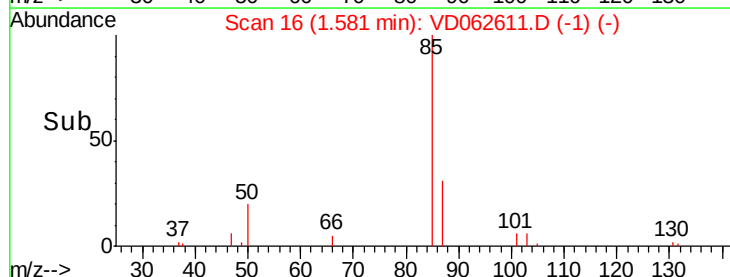
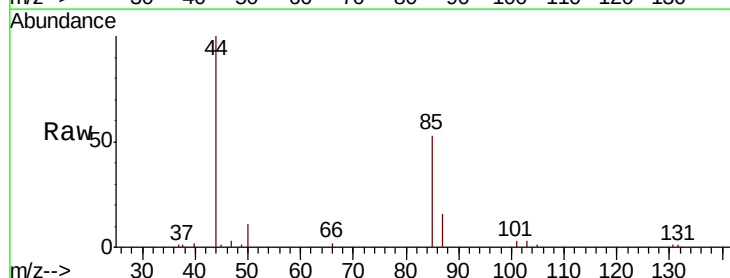
Acq: 5 Jun 2019 13:52

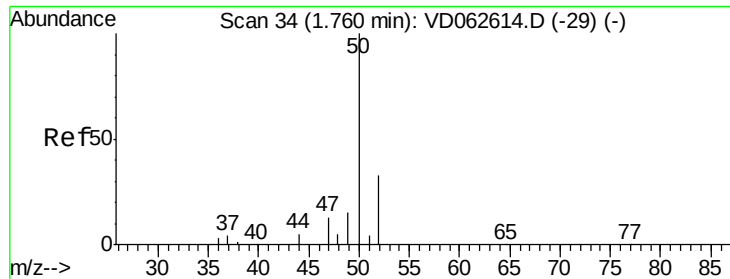
Tgt Ion: 85 Resp: 69446

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 :

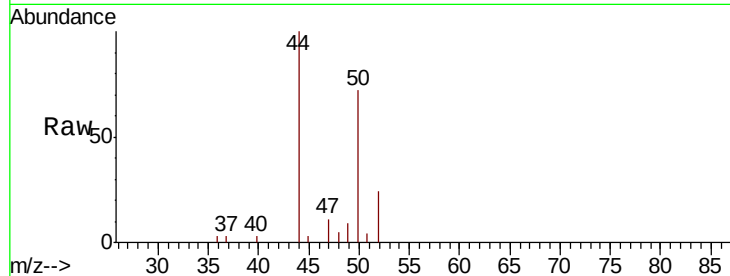
VSTDIC005

Tot Ion: 50 Resp: 49826

Ion Ratio Lower Upper

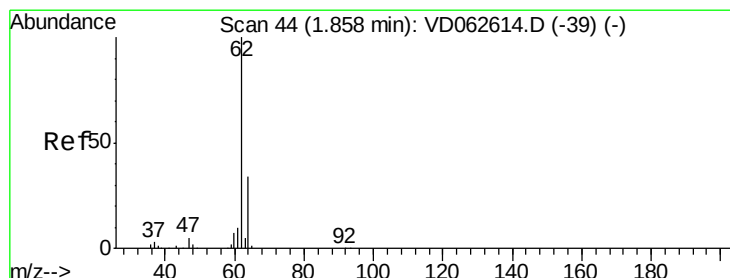
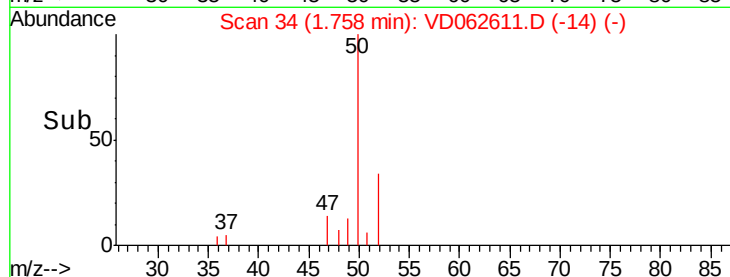
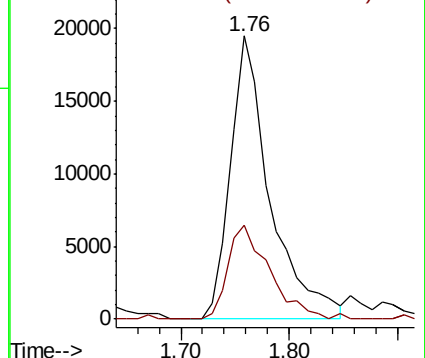
50 100

52 33.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.627 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD062611.D

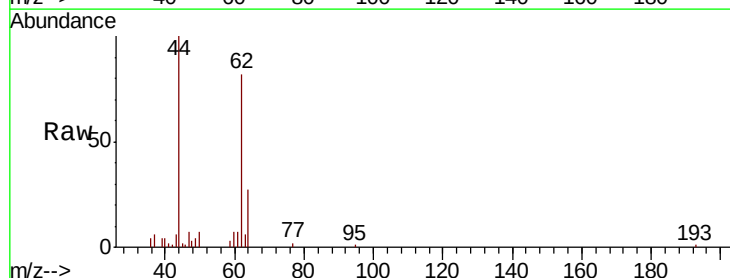
Acq: 5 Jun 2019 13:52

Tgt Ion: 62 Resp: 42275

Ion Ratio Lower Upper

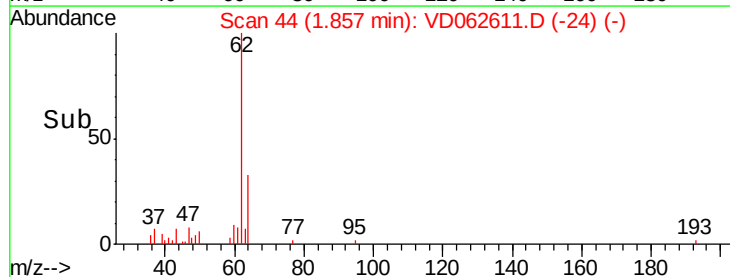
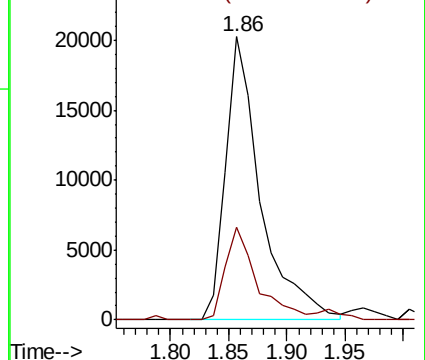
62 100

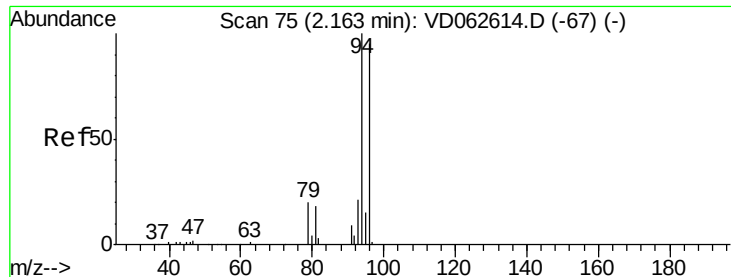
64 32.5 27.2 40.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#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

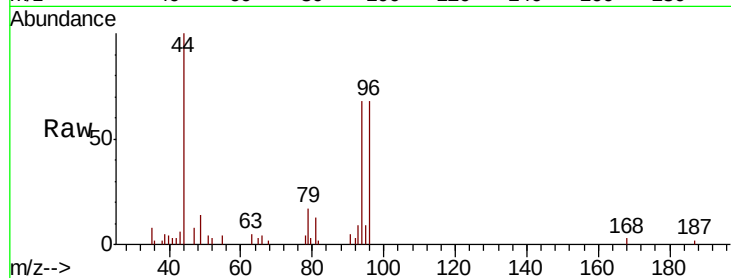
Tot Ion: 94 Resp: 26174

Ion Ratio Lower Upper

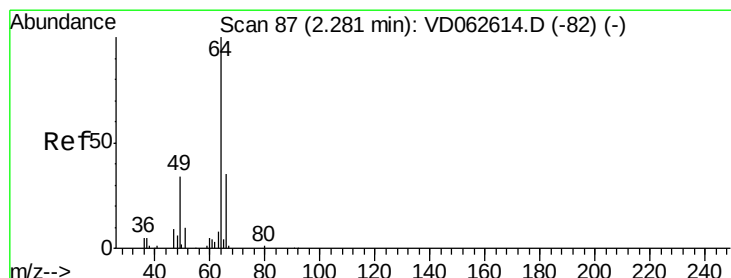
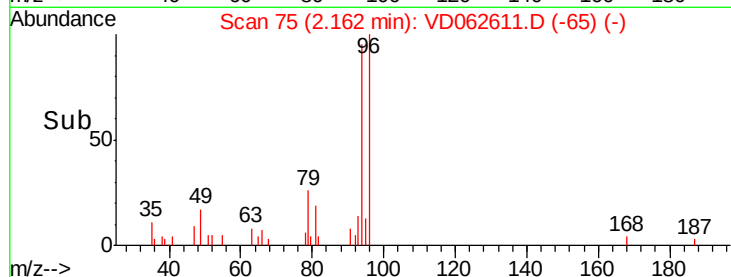
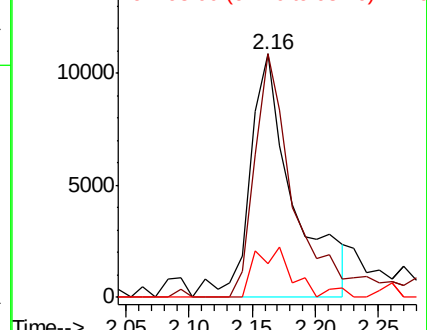
94 100

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

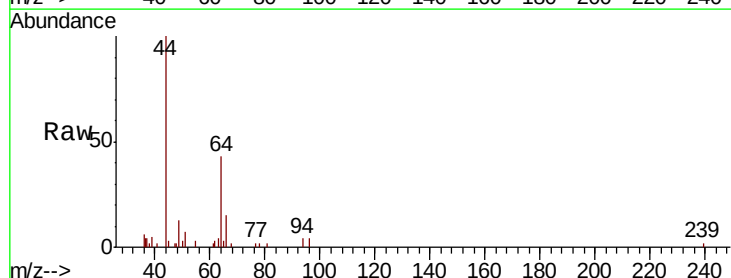
Acq: 5 Jun 2019 13:52

Tgt Ion: 64 Resp: 22835

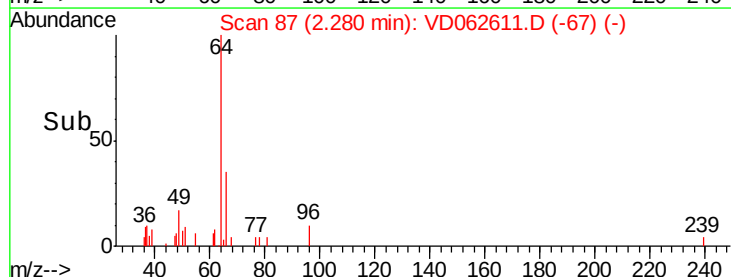
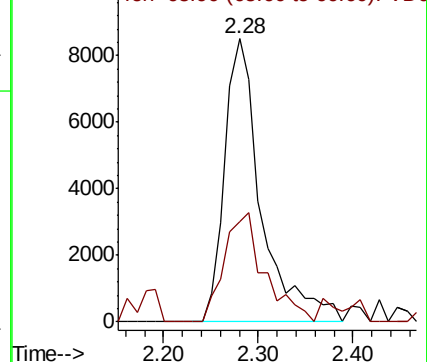
Ion Ratio Lower Upper

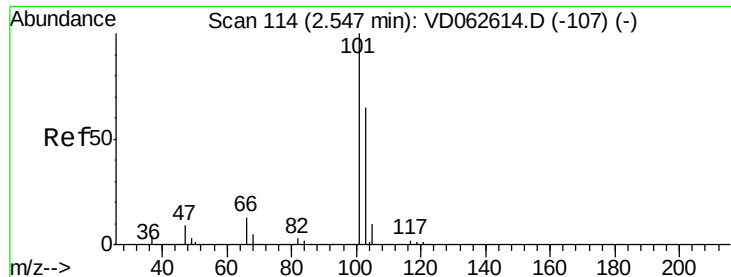
64 100

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



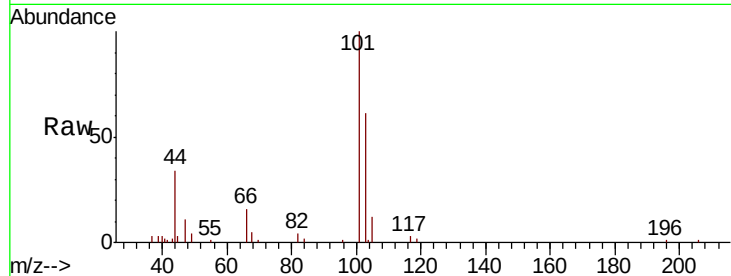


#7

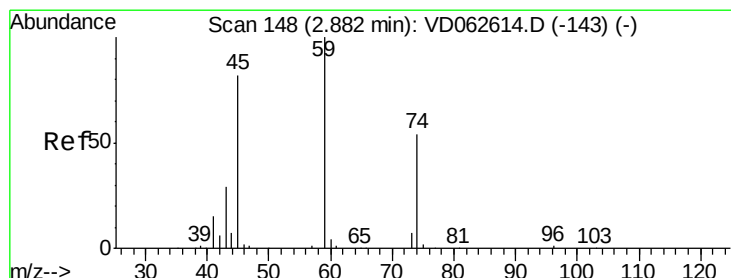
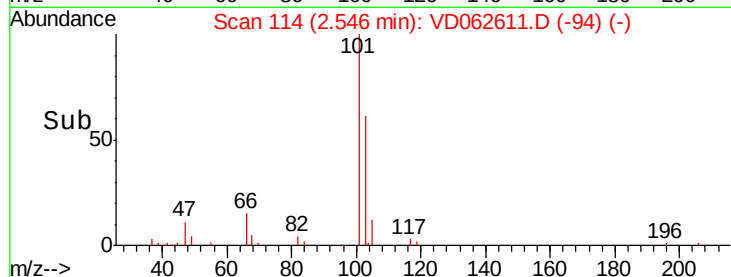
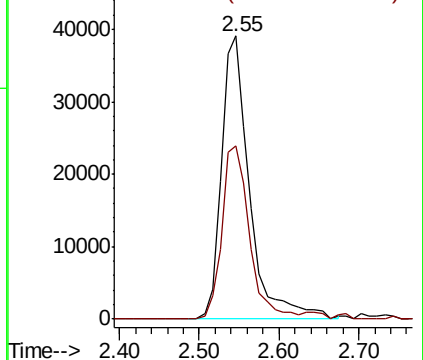
Trichlorofluoromethane
Concen: 5.775 ug/l
RT: 2.55 min Scan# 114
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

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



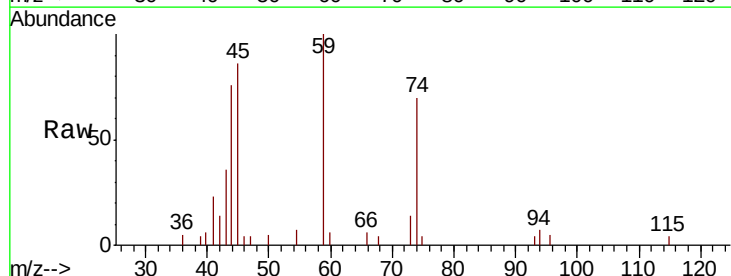
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



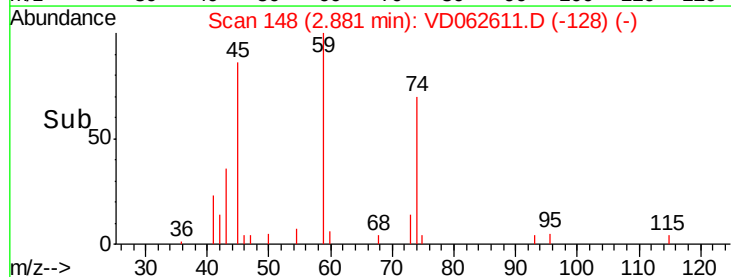
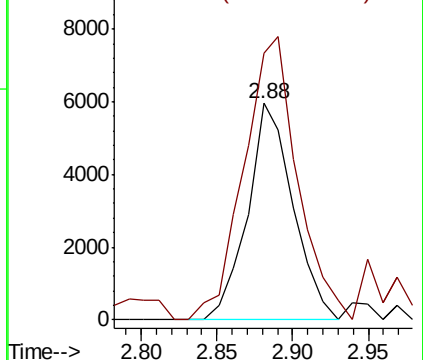
#8

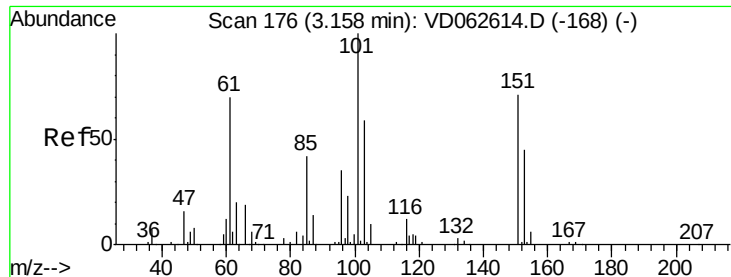
Diethyl Ether
Concen: 5.700 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

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

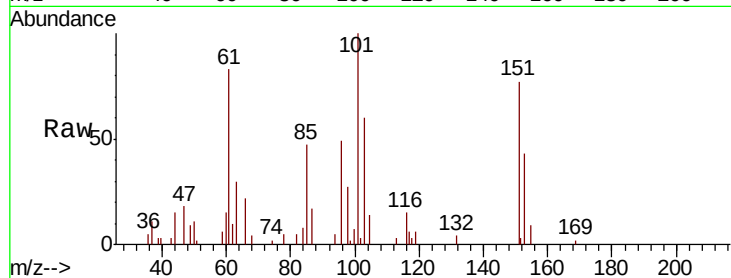
Tot Ion:101 Resp: 50810

Ion Ratio Lower Upper

101 100

85 46.7 33.8 50.6

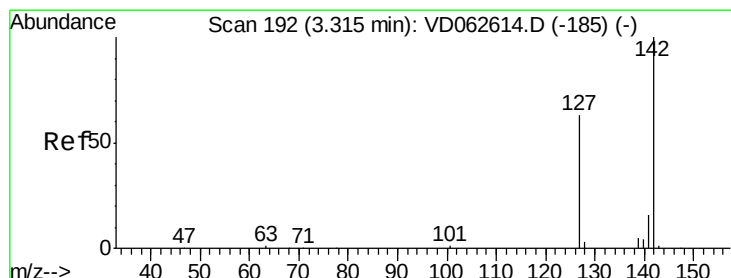
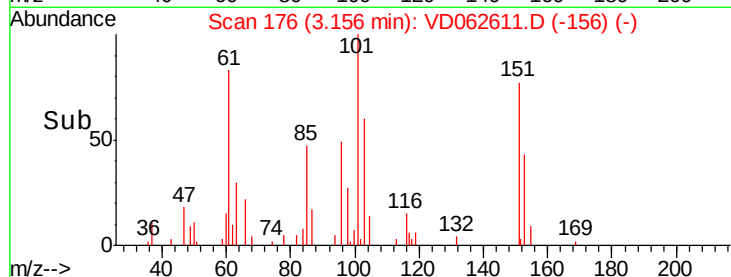
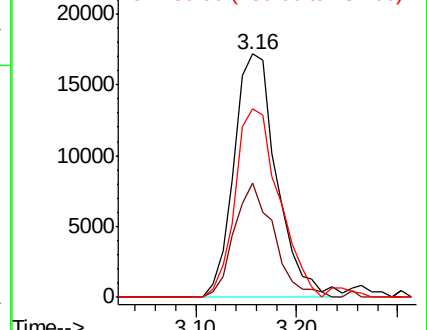
151 77.3 56.8 85.2



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

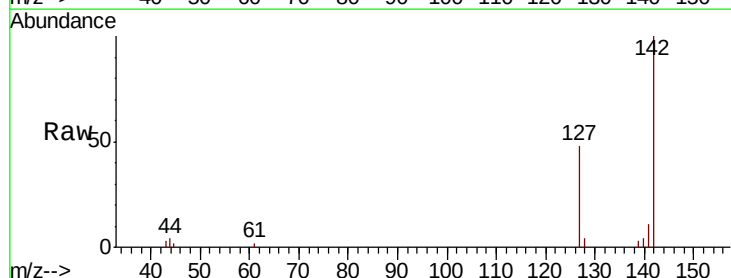
Tgt Ion:142 Resp: 59021

Ion Ratio Lower Upper

142 100

127 48.1 50.7 76.1#

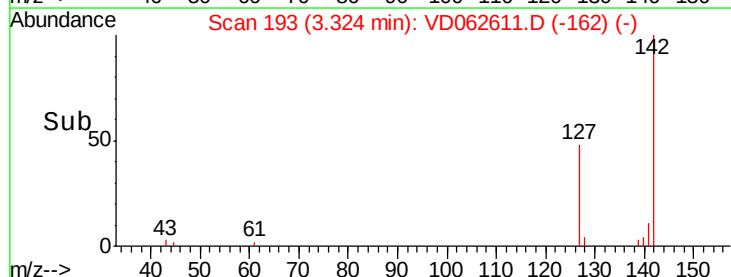
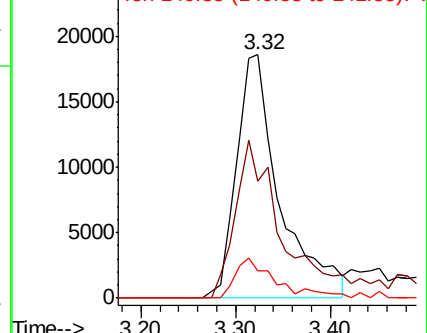
141 11.0 12.9 19.3#

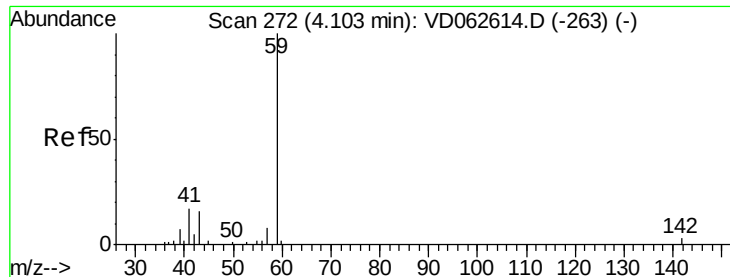


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



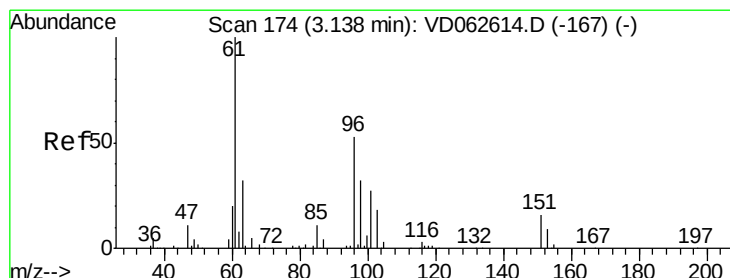
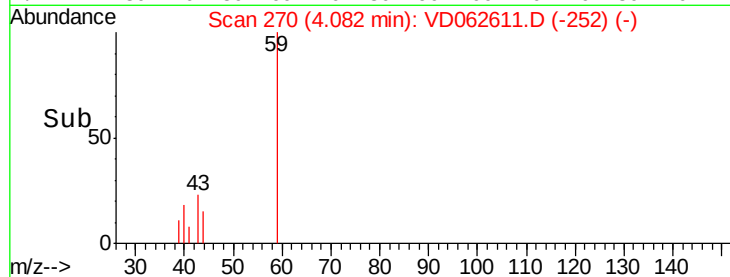
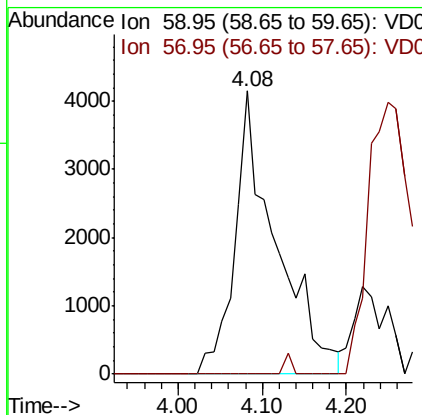
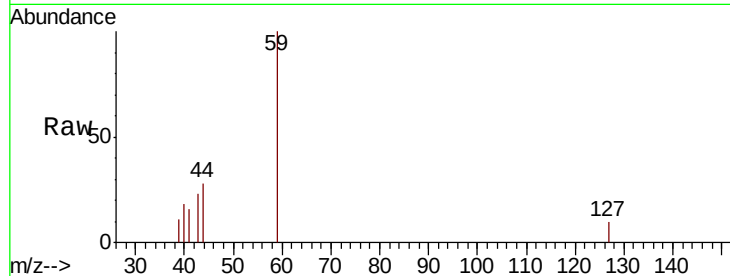


#11

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

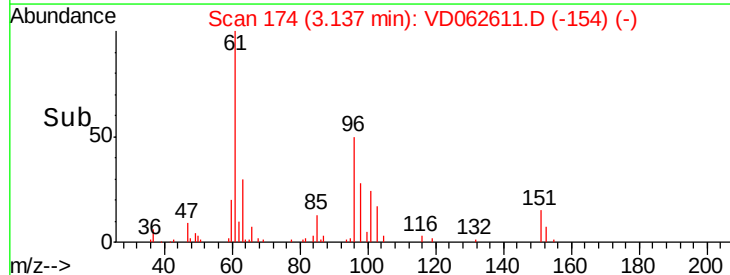
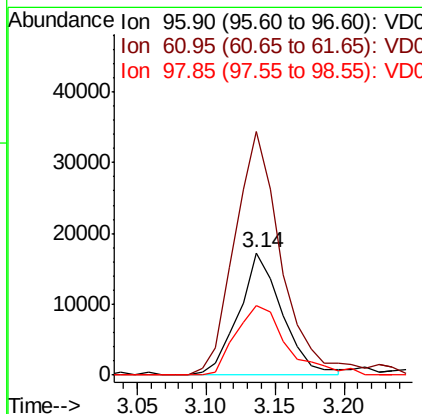
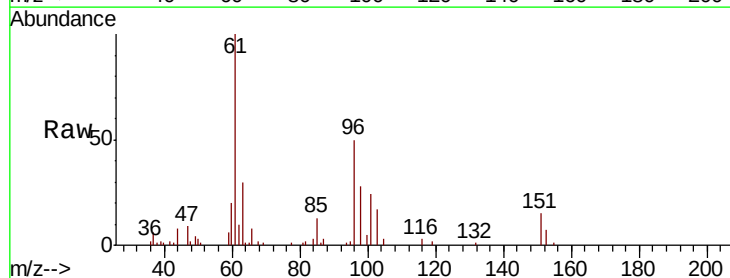
Tot Ion: 59 Resp: 14051
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

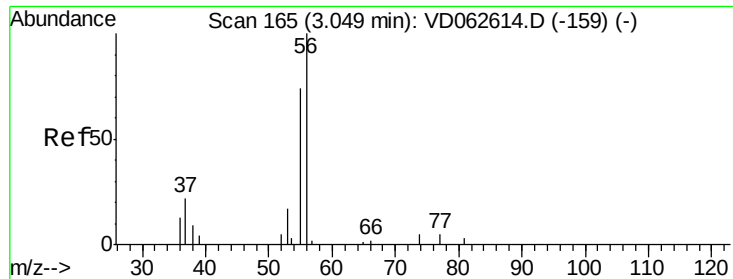


#12

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 :

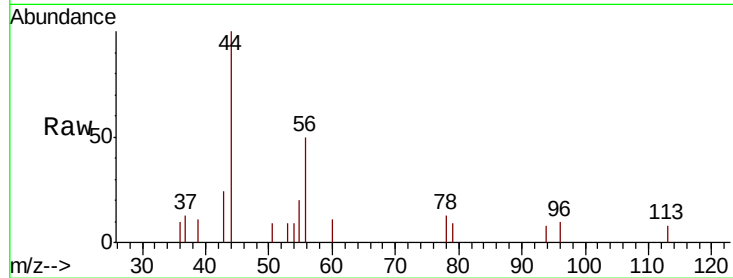
VSTDIC005

Tot Ion: 56 Resp: 4626

Ion Ratio Lower Upper

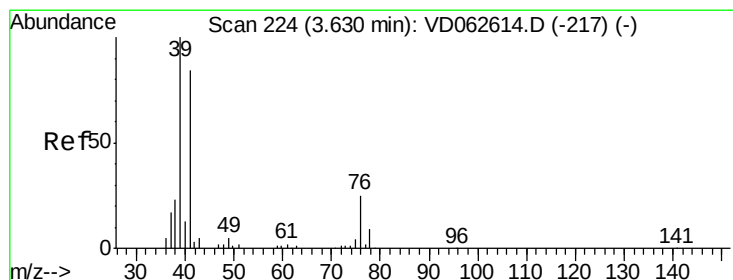
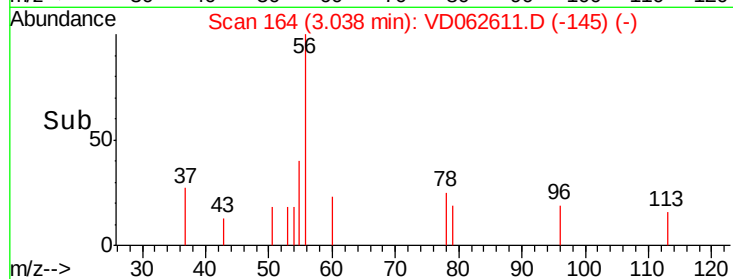
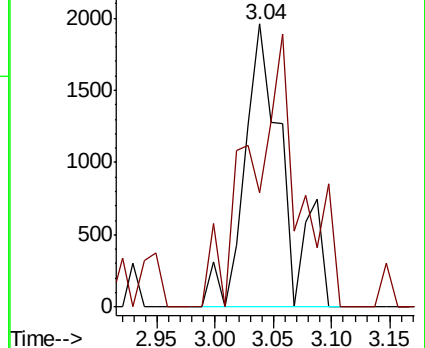
56 100

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

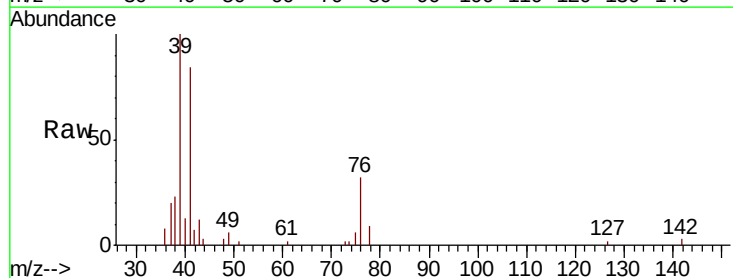
Tgt Ion: 41 Resp: 52241

Ion Ratio Lower Upper

41 100

39 119.2 95.5 143.3

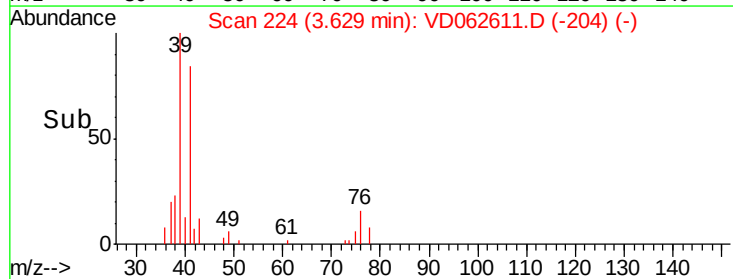
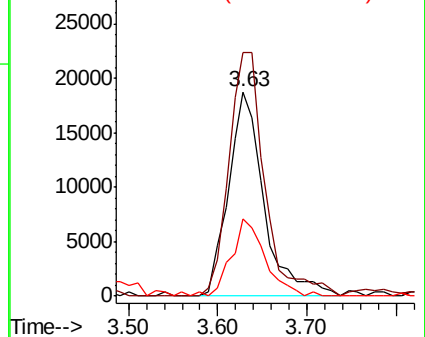
76 37.9 25.4 38.0

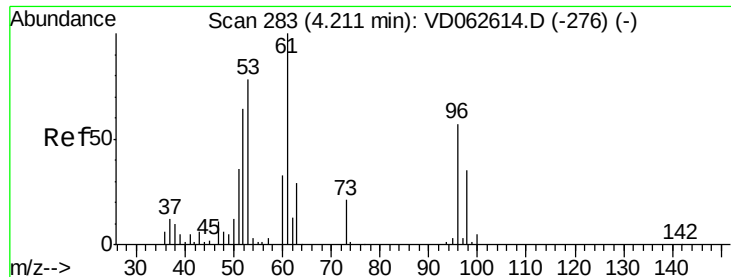


Abundance Ion 41.05 (40.75 to 41.75): VDC

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

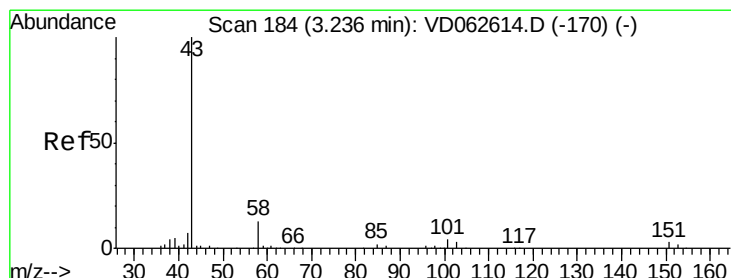
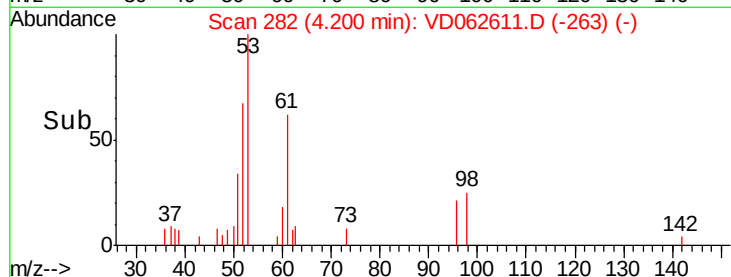
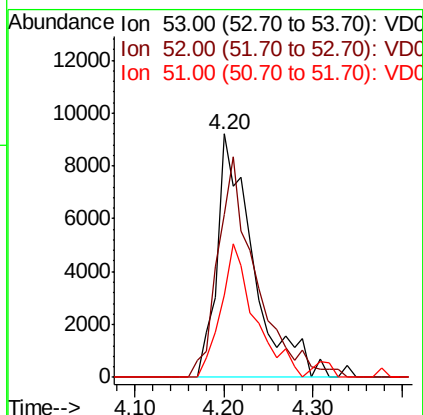
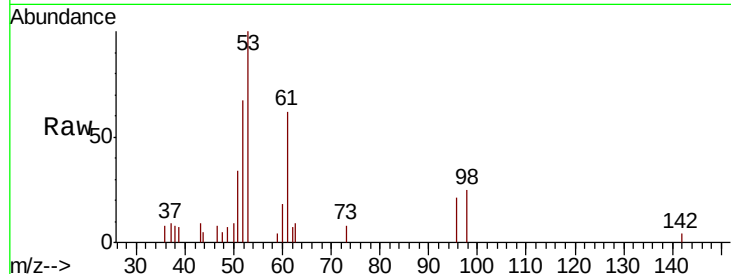
Tot Ion: 53 Resp: 26298

Ion Ratio Lower Upper

53 100

52 66.7 65.8 98.6

51 33.7 36.9 55.3#



#16

Acetone

Concen: 23.432 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.01 min

Lab File: VD062611.D

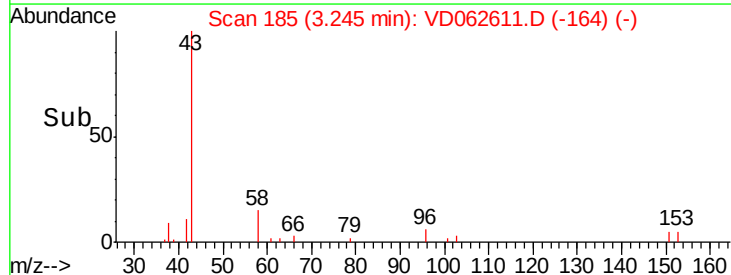
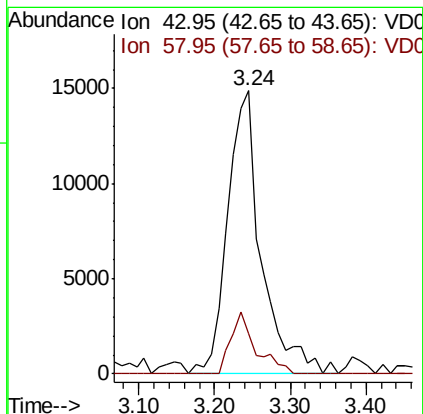
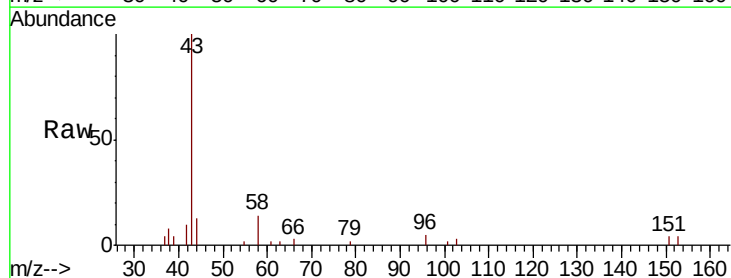
Acq: 5 Jun 2019 13:52

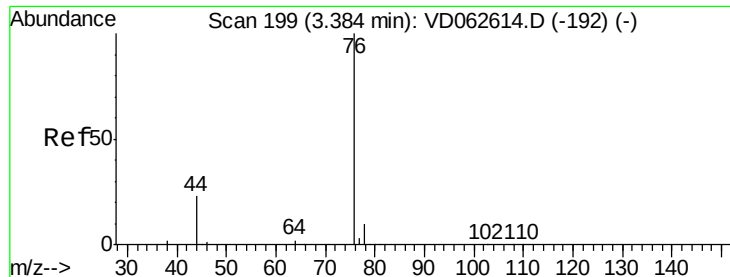
Tgt Ion: 43 Resp: 45823

Ion Ratio Lower Upper

43 100

58 14.2 10.7 16.1





#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 :

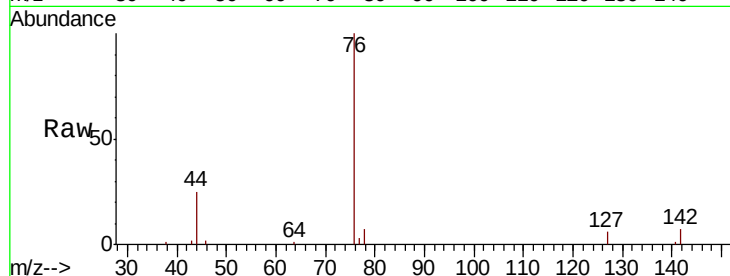
VSTDIC005

Tot Ion: 76 Resp: 107714

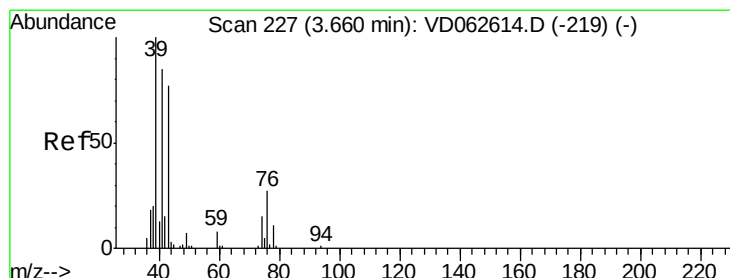
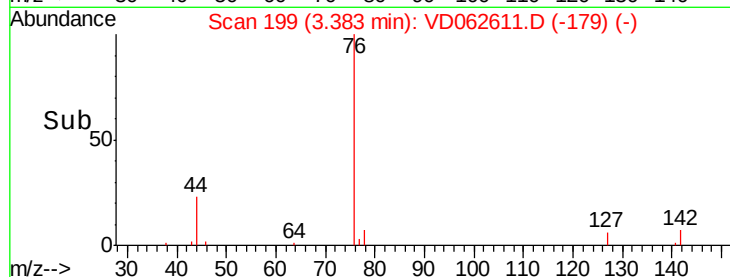
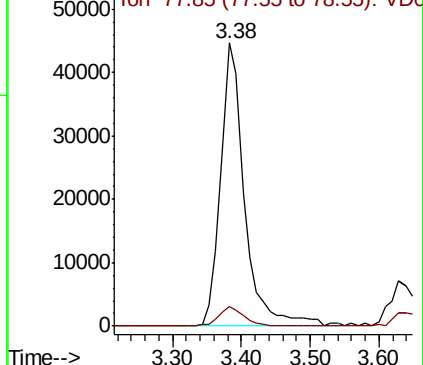
Ion Ratio Lower Upper

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

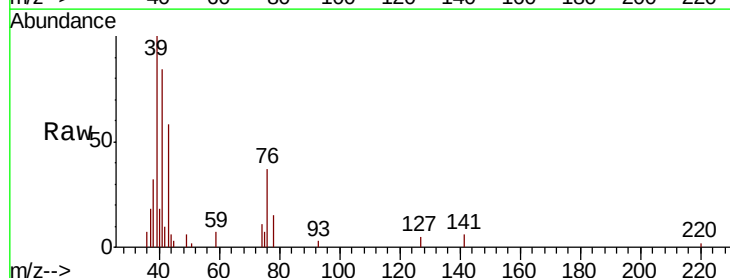
Acq: 5 Jun 2019 13:52

Tgt Ion: 43 Resp: 22584

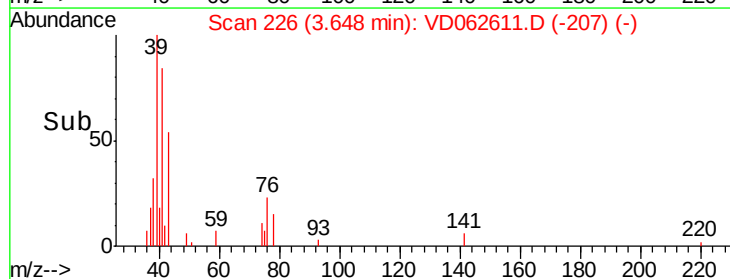
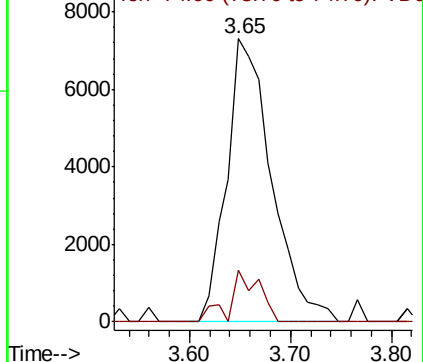
Ion Ratio Lower Upper

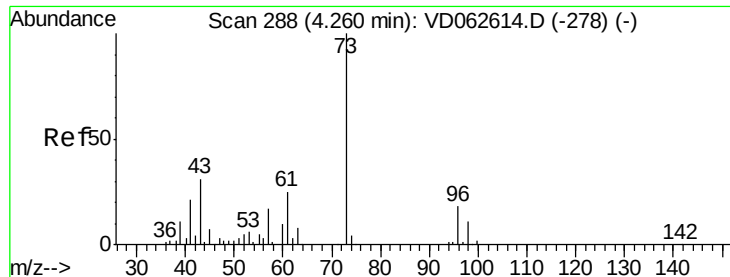
43 100

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

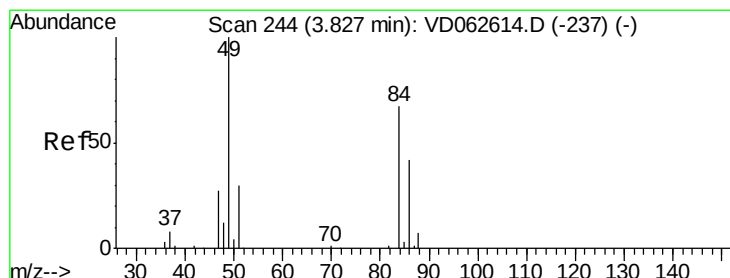
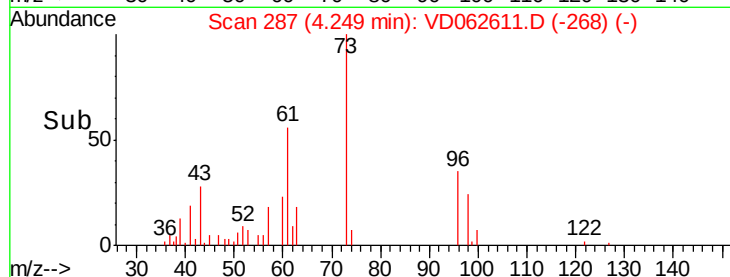
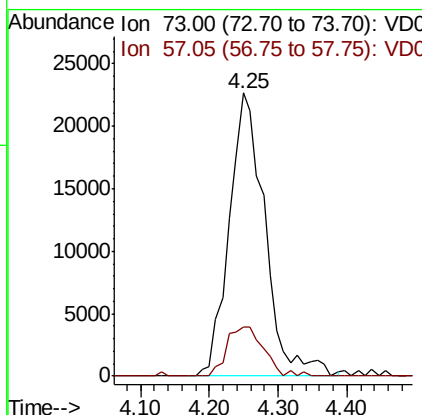
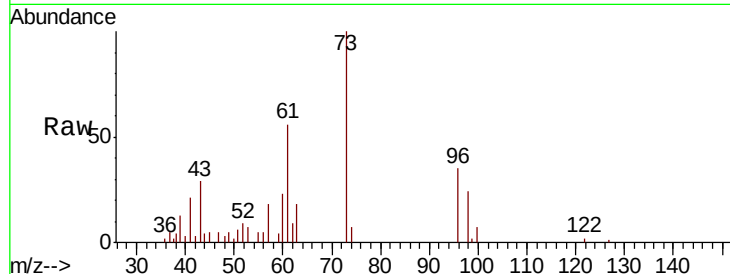




#19
Methyl tert-butyl Ether
Concen: 4.855 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.01 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

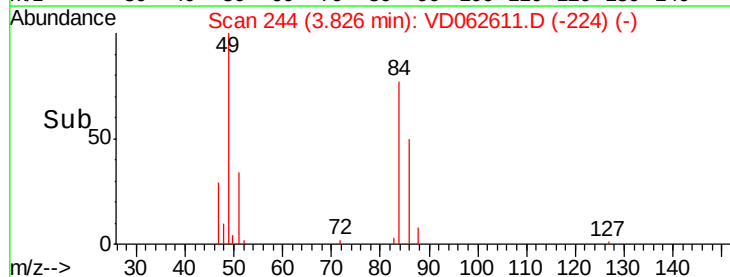
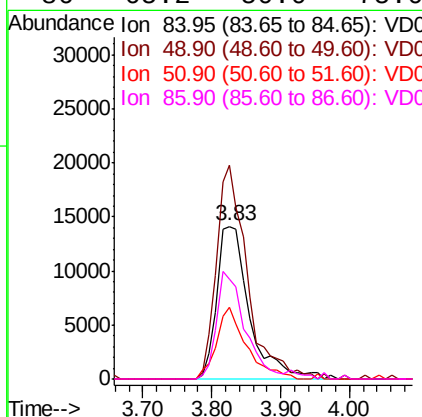
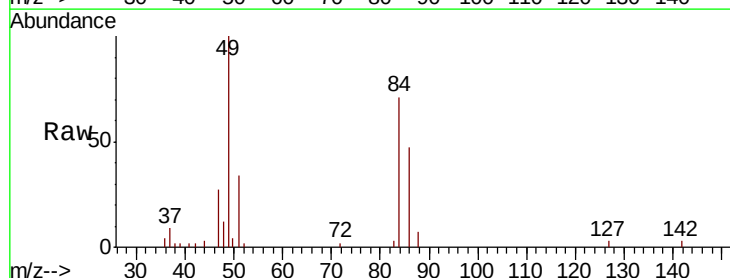
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

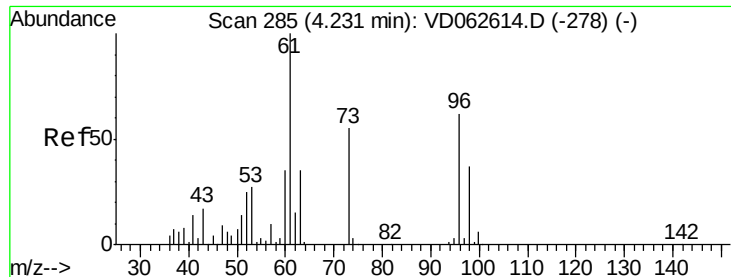
Tot Ion: 73 Resp: 81348
Ion Ratio Lower Upper
73 100
57 17.6 13.5 20.3



#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





#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

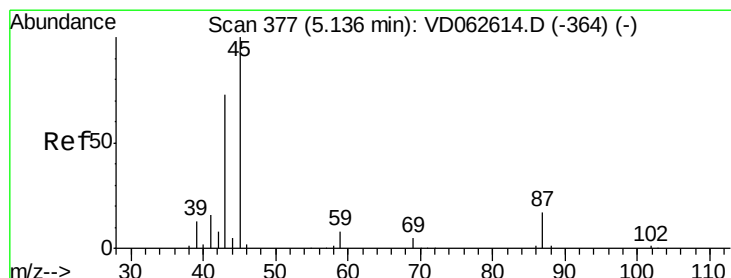
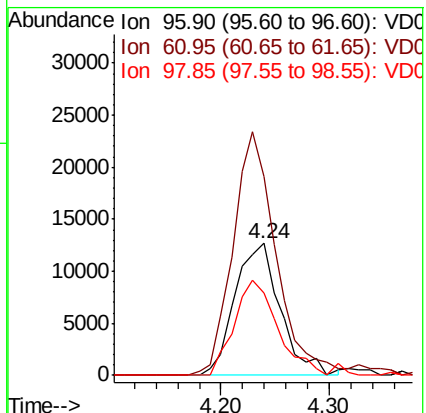
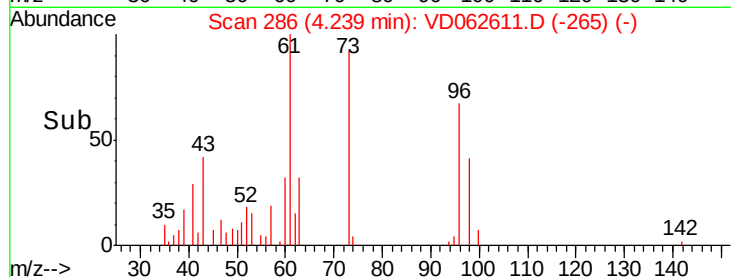
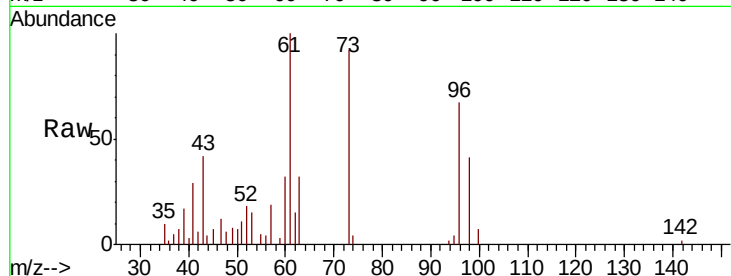
Tot Ion: 96 Resp: 37135

Ion Ratio Lower Upper

96 100

61 150.1 128.2 192.4

98 62.1 47.5 71.3



#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

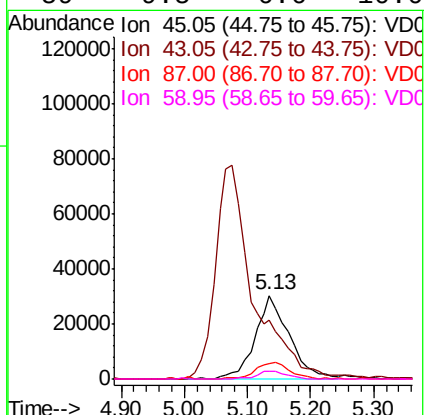
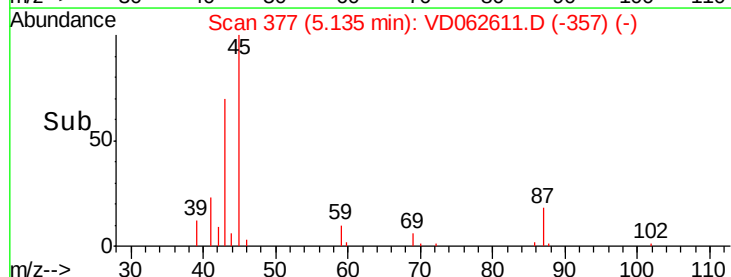
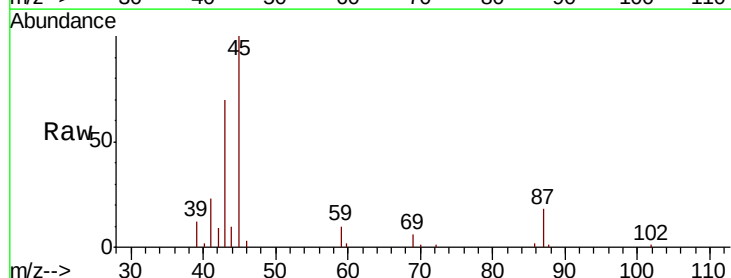
Ion Ratio Lower Upper

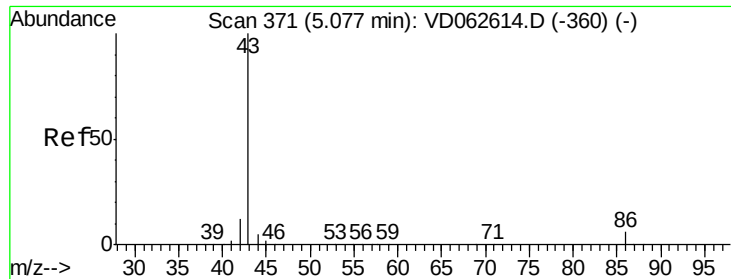
45 100

43 69.7 59.3 88.9

87 17.7 14.6 22.0

59 9.5 6.6 10.0

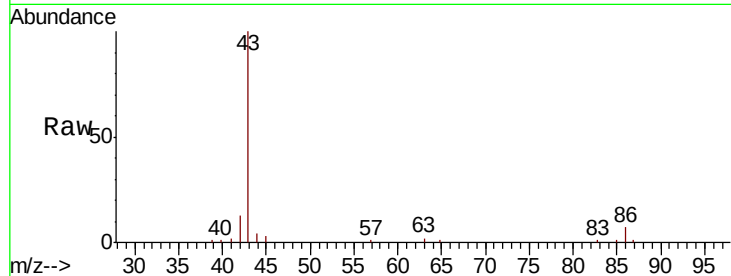




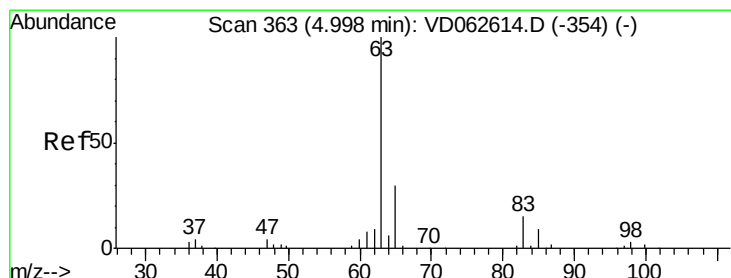
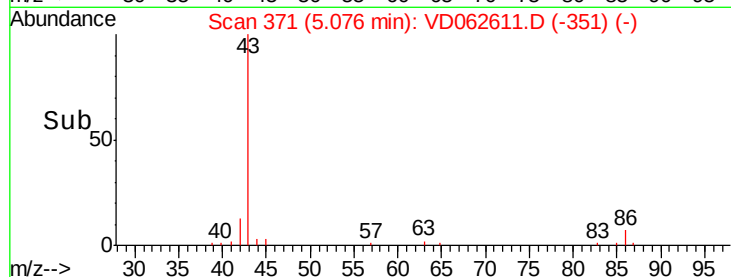
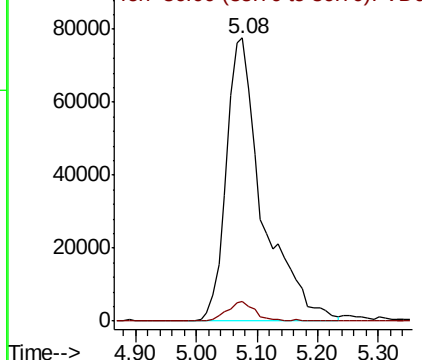
#23
 Vinyl Acetate
 Concen: 23.863 ug/l
 RT: 5.08 min Scan# 371
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 43 Resp: 322966
 Ion Ratio Lower Upper
 43 100
 86 7.0 5.2 7.8

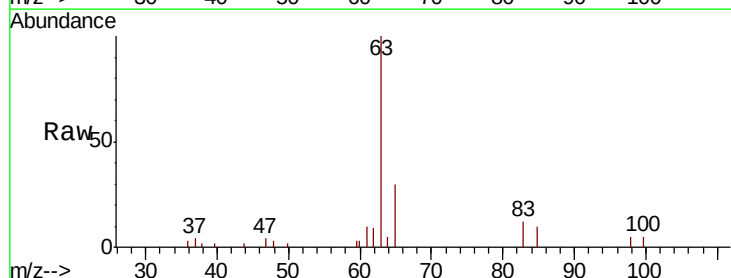


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 86.00 (85.70 to 86.70): VDC

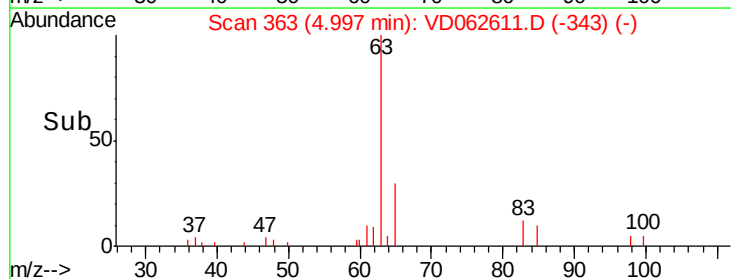
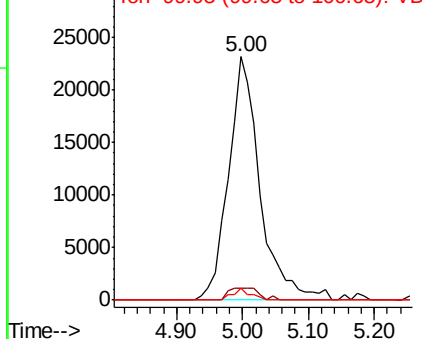


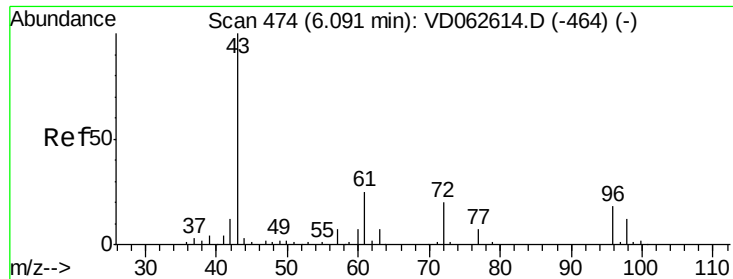
#24
 1,1-Dichloroethane
 Concen: 5.548 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

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 :

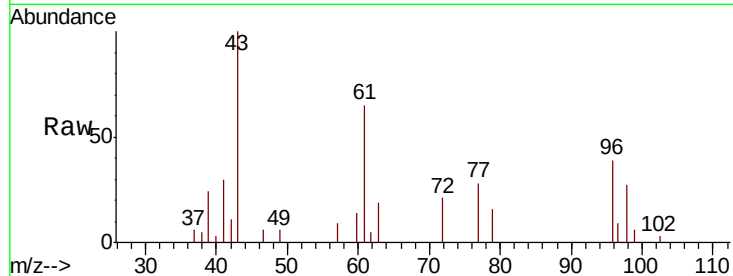
VSTDIC005

Tot Ion: 43 Resp: 42429

Ion Ratio Lower Upper

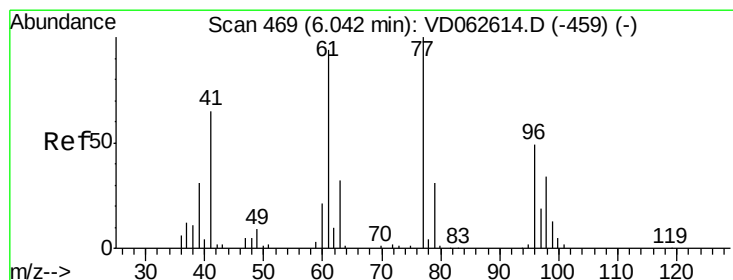
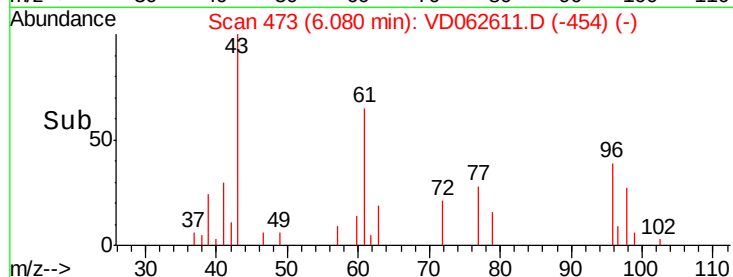
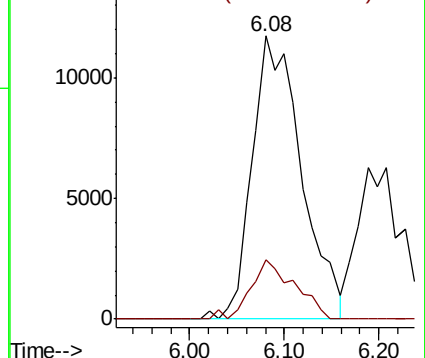
43 100

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

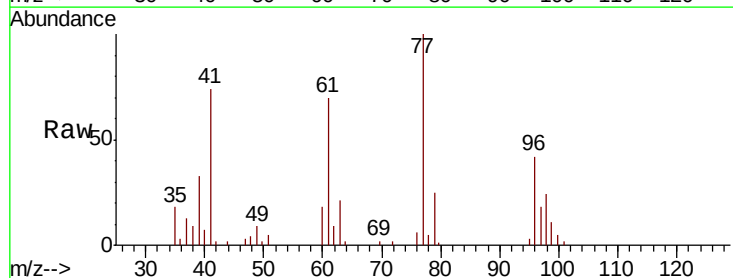
Acq: 5 Jun 2019 13:52

Tgt Ion: 77 Resp: 78643

Ion Ratio Lower Upper

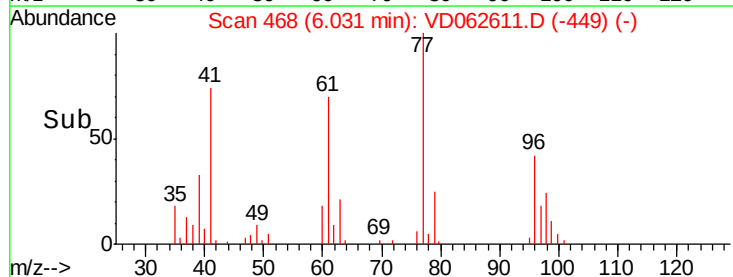
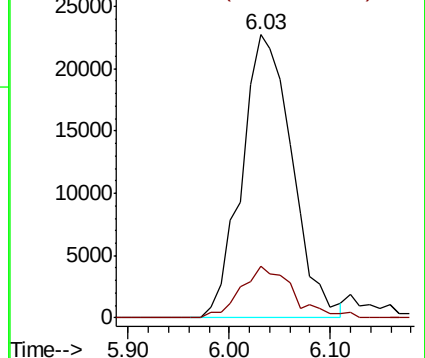
77 100

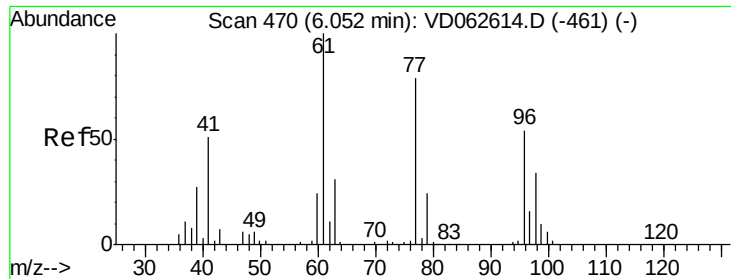
97 18.1 9.6 28.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



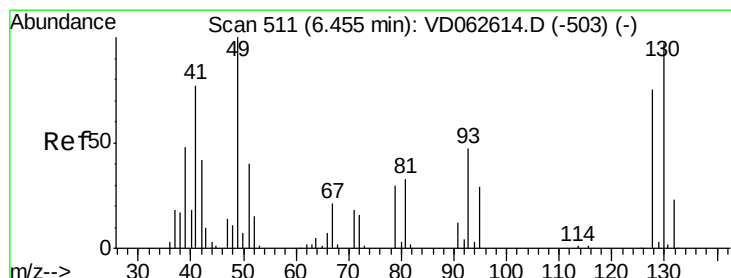
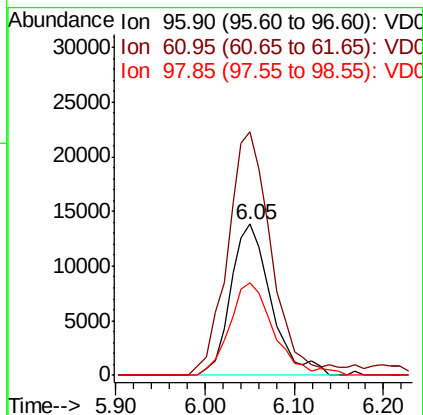
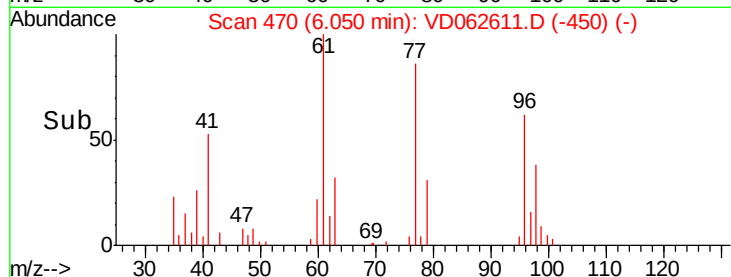
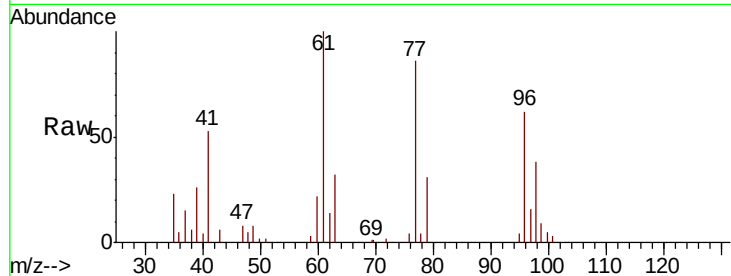


#27

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

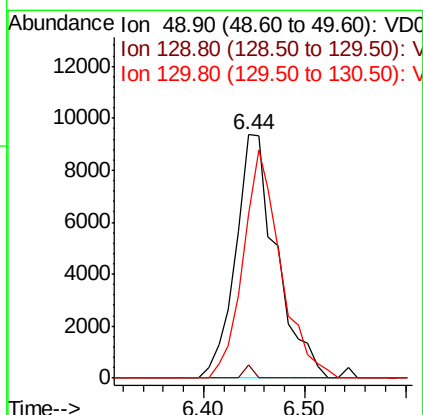
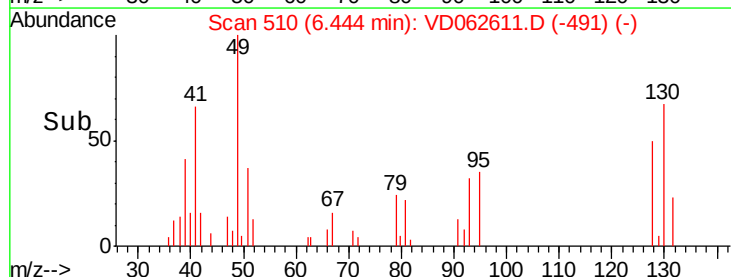
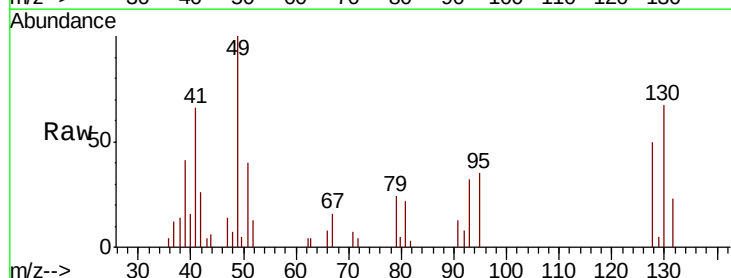
Tot Ion: 96 Resp: 43441
Ion Ratio Lower Upper
96 100
61 160.9 0.0 372.0
98 61.6 0.0 126.4

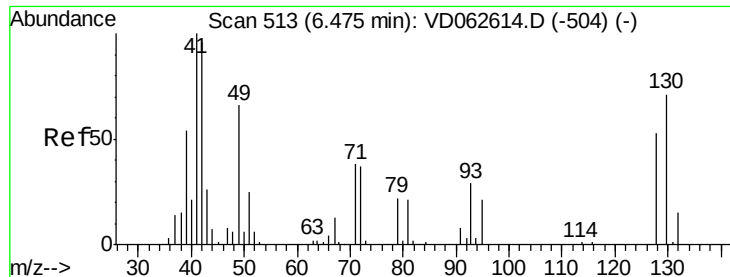


#28

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

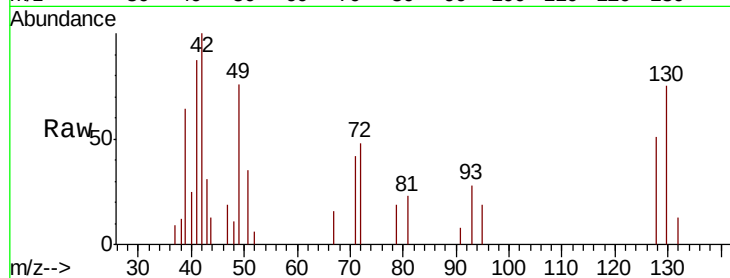
Tot Ion: 42 Resp: 22514

Ion Ratio Lower Upper

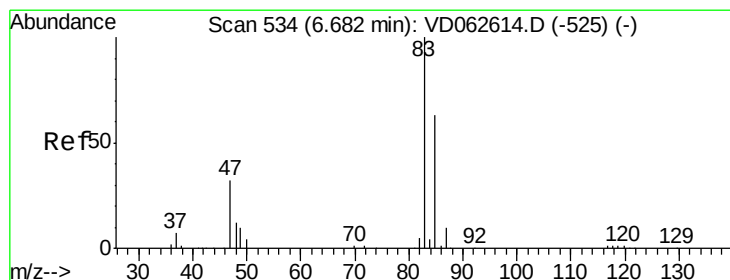
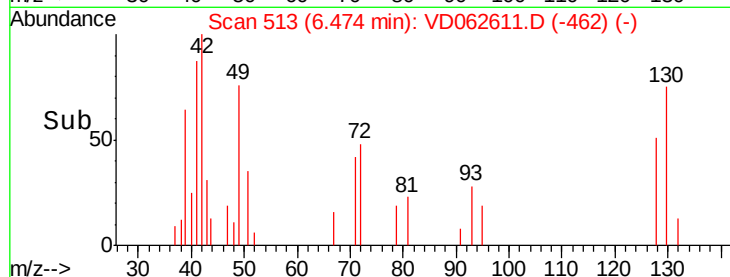
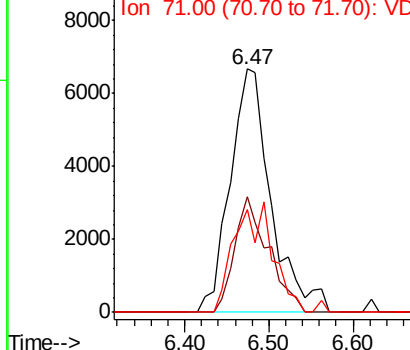
42 100

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

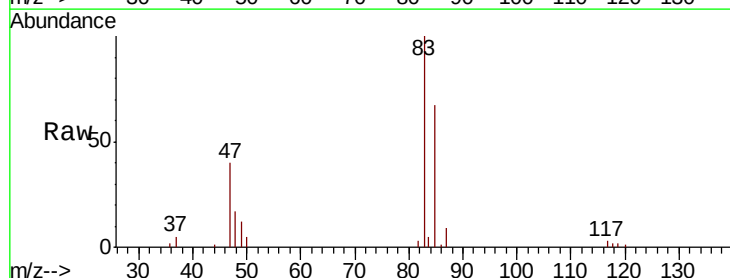
Acq: 5 Jun 2019 13:52

Tgt Ion: 83 Resp: 85827

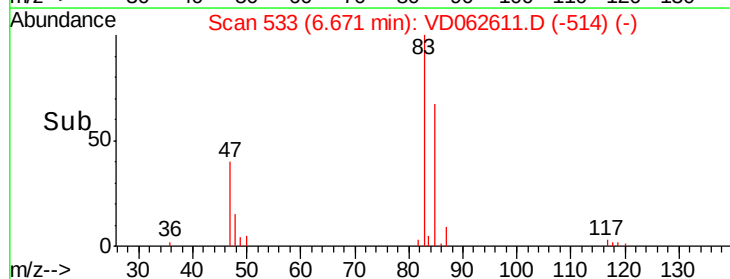
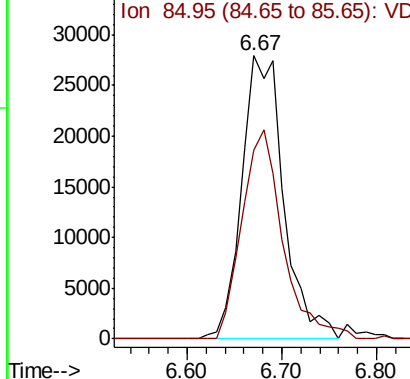
Ion Ratio Lower Upper

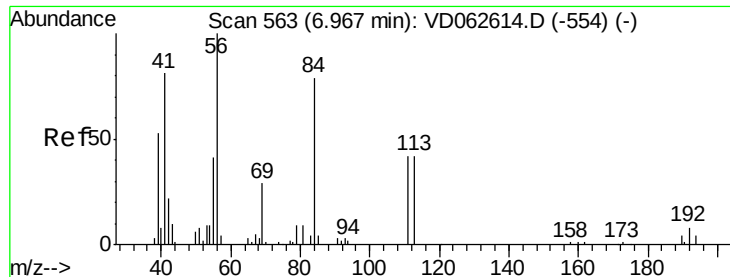
83 100

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

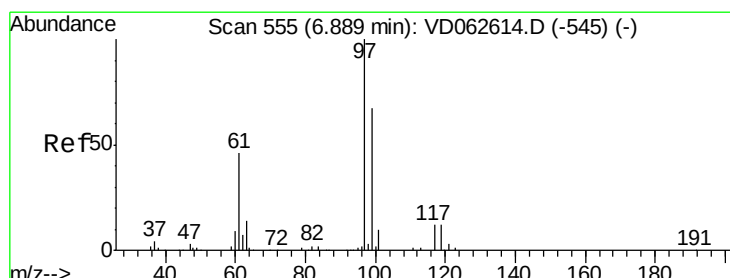
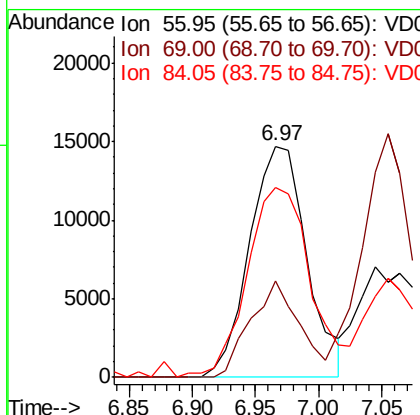
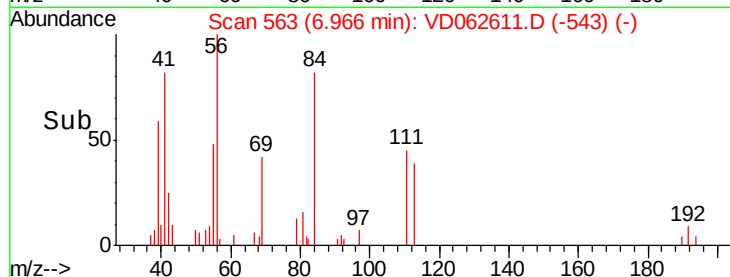
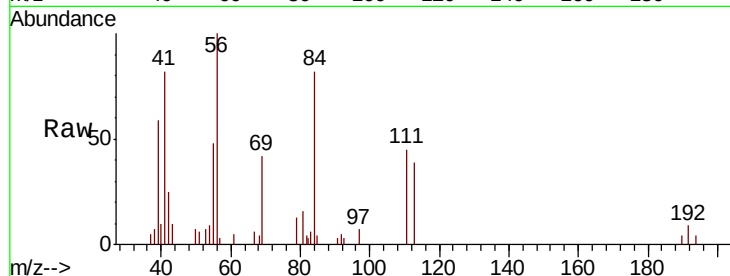




#31
Cyclohexane
Concen: 5.187 ug/l
RT: 6.97 min Scan# 563
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

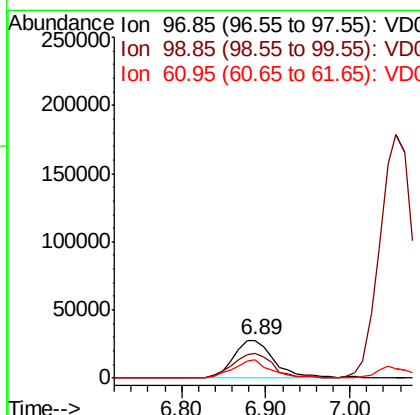
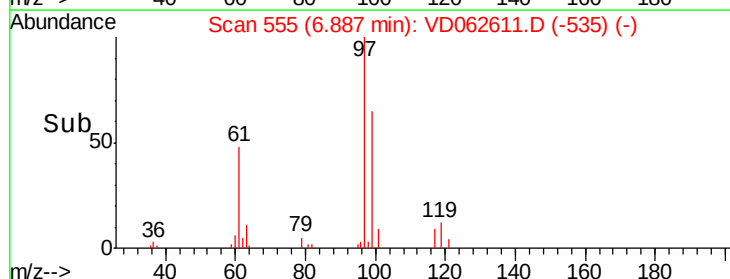
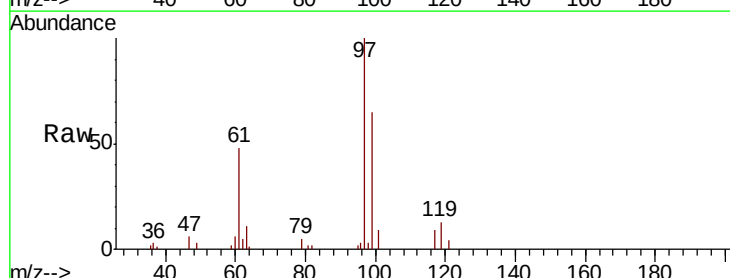
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

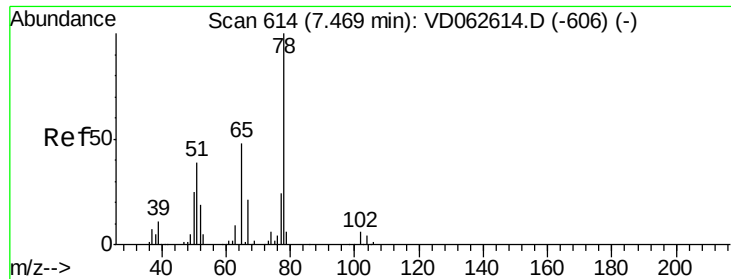
Tot Ion: 56 Resp: 46475
Ion Ratio Lower Upper
56 100
69 41.6 23.0 34.4#
84 82.0 66.0 99.0



#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

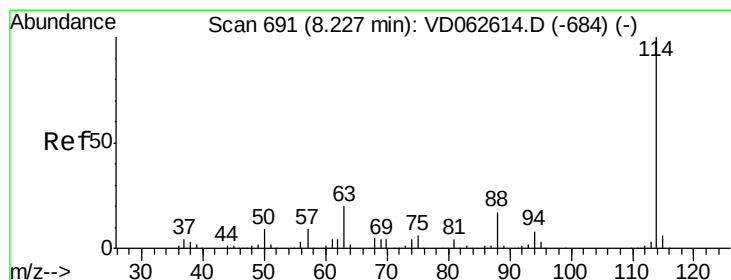
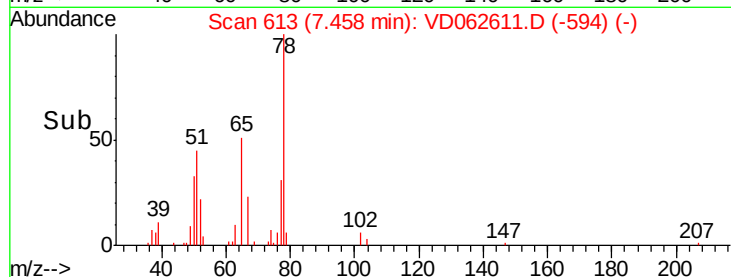
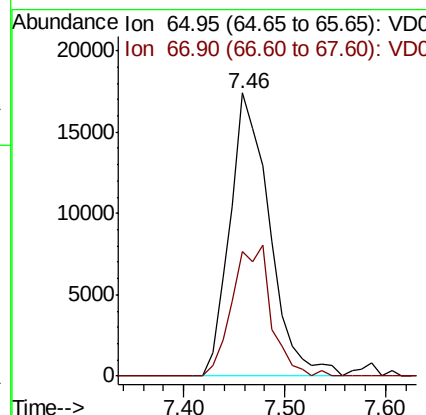
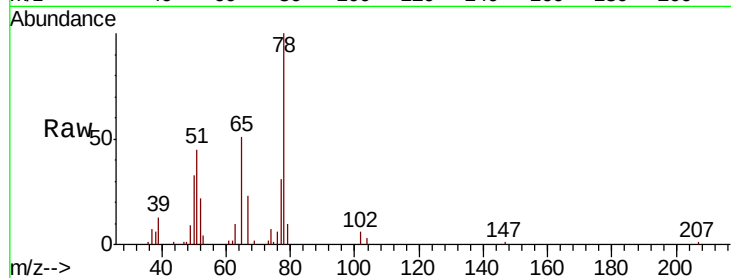




#33
 1,2-Dichloroethane-d4
 Concen: 4.370 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

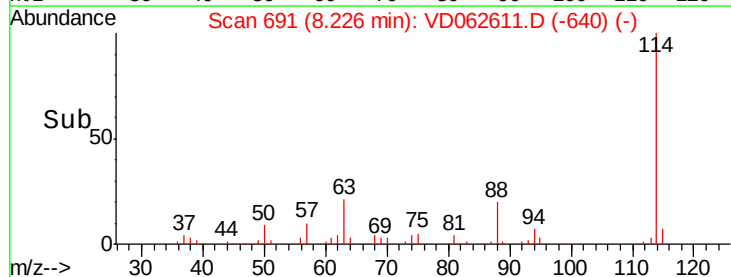
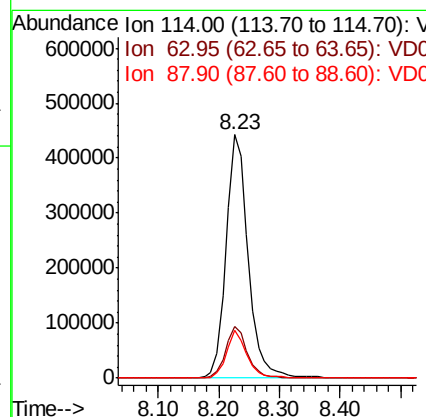
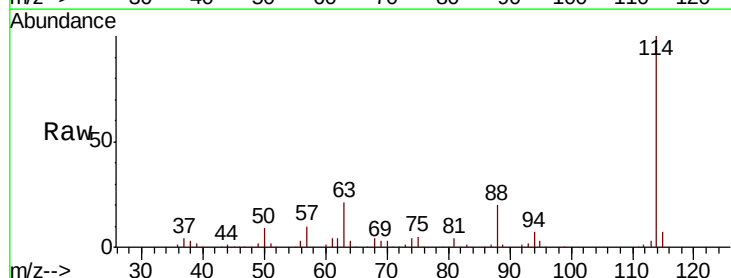
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

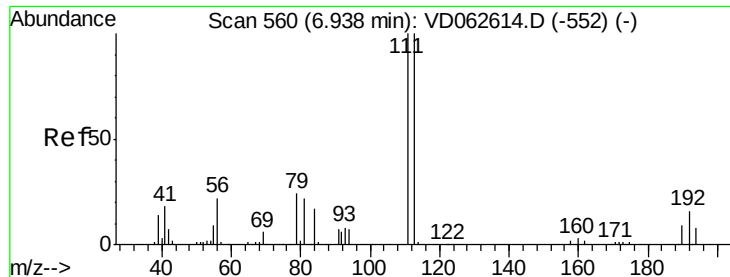
Tot Ion: 65 Resp: 47549
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 86.2



#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

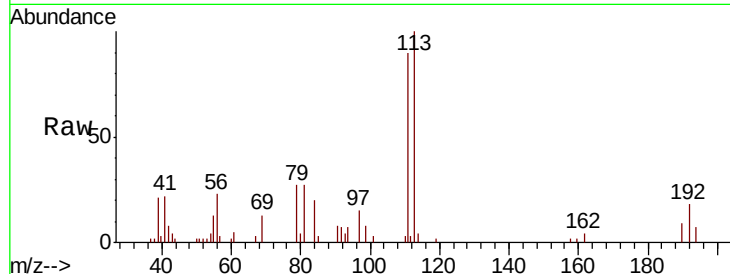




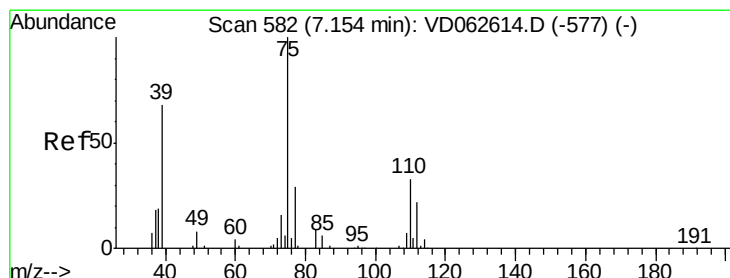
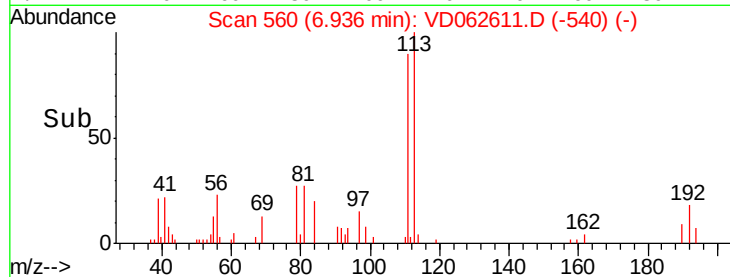
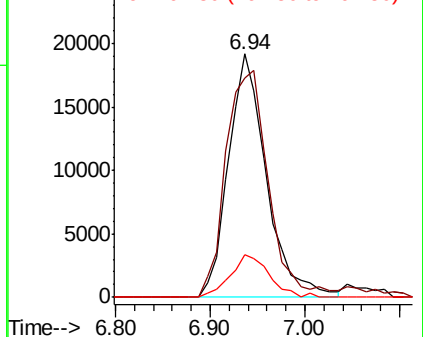
#35
 Dibromofluoromethane
 Concen: 4.690 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

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

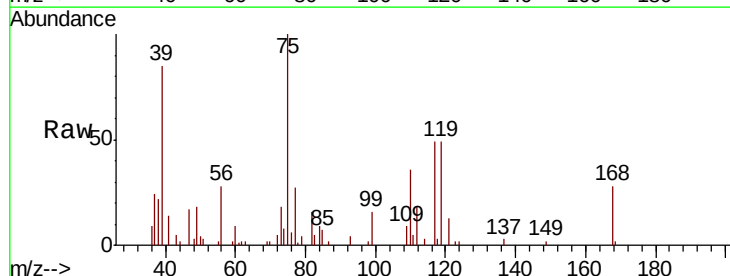


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

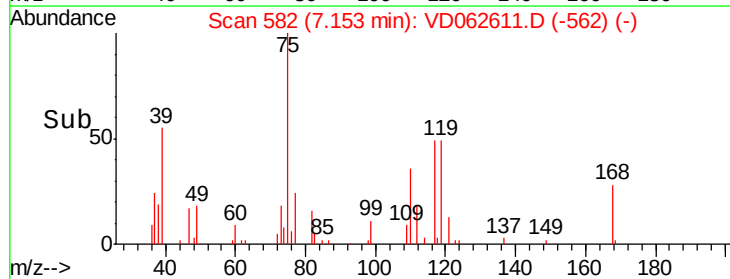
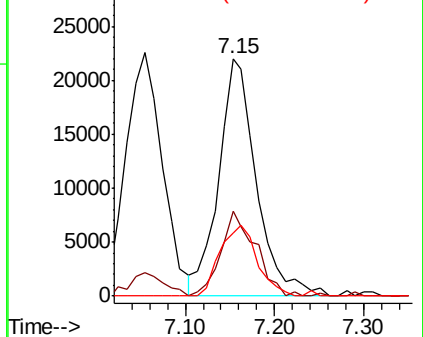


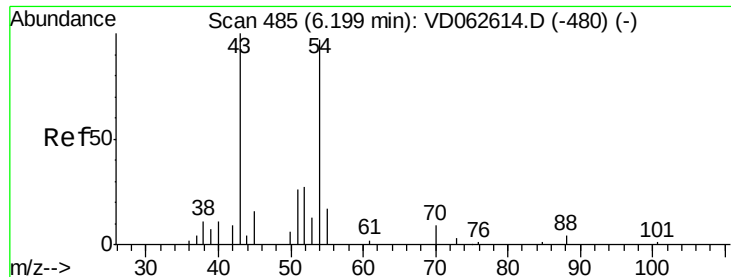
#36
 1,1-Dichloropropene
 Concen: 5.396 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

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): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

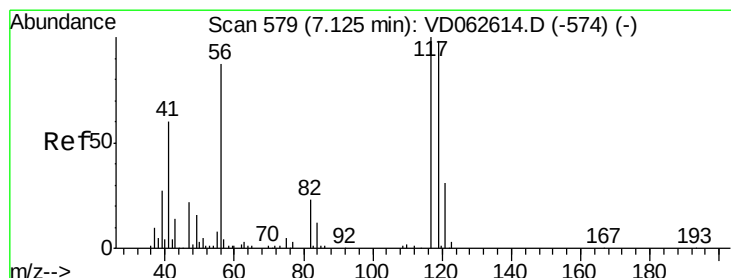
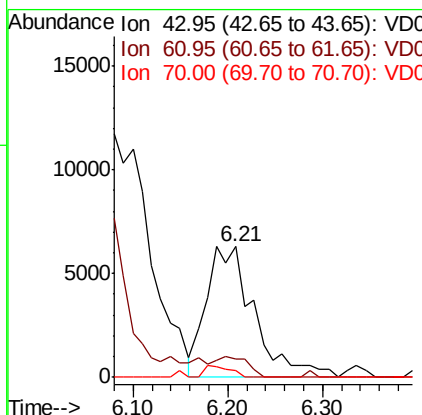
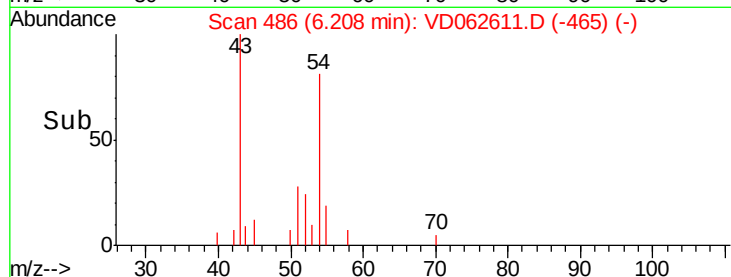
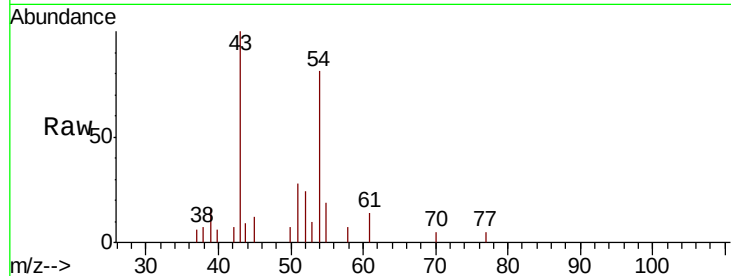




#37
Ethyl Acetate
Concen: 4.545 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.01 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

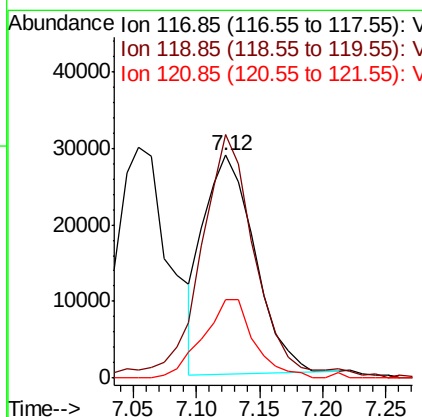
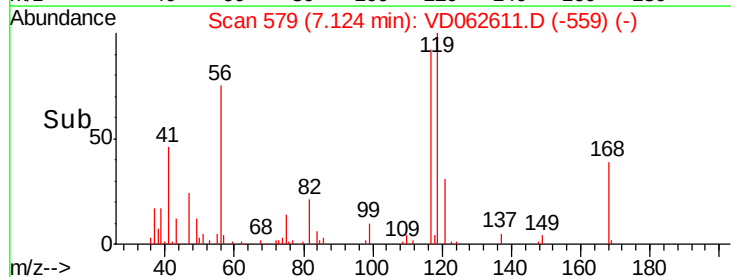
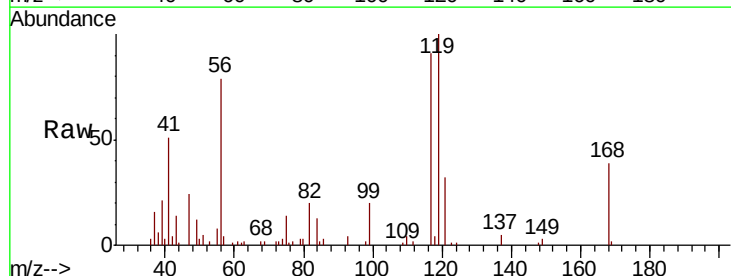
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

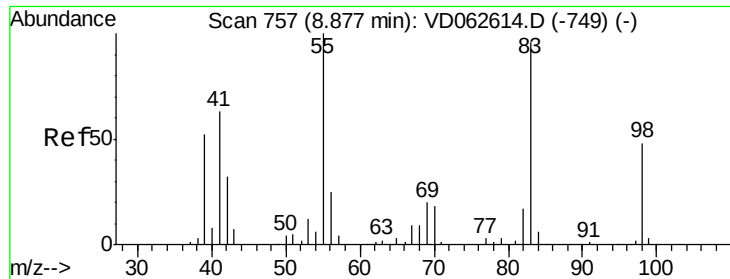
Tot Ion: 43 Resp: 22086
Ion Ratio Lower Upper
43 100
61 13.6 8.8 13.2#
70 5.0 5.6 8.4#



#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

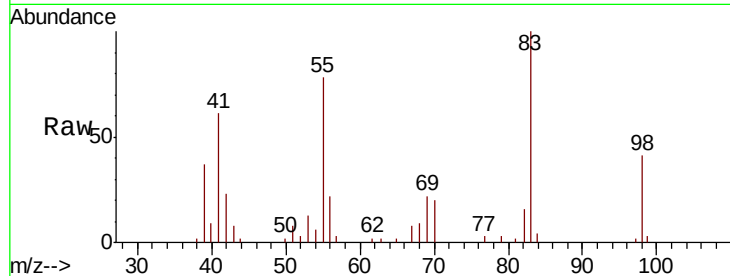




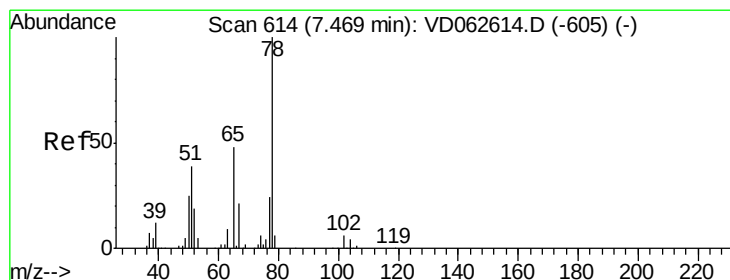
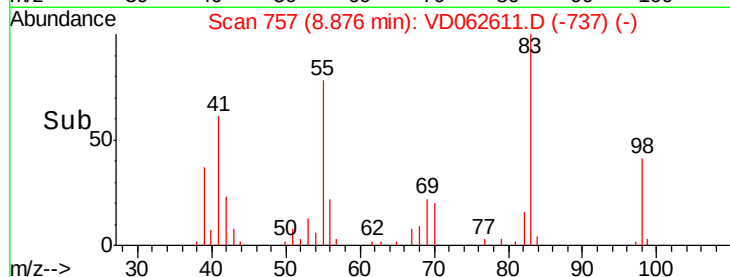
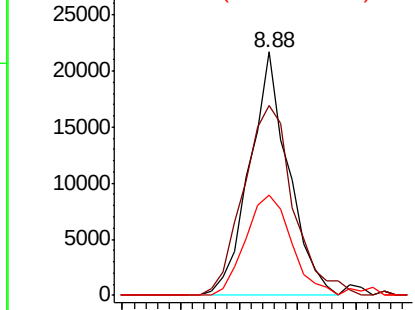
#39
Methylvlcyclohexane
Concen: 4.865 ug/l
RT: 8.88 min Scan# 757
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

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

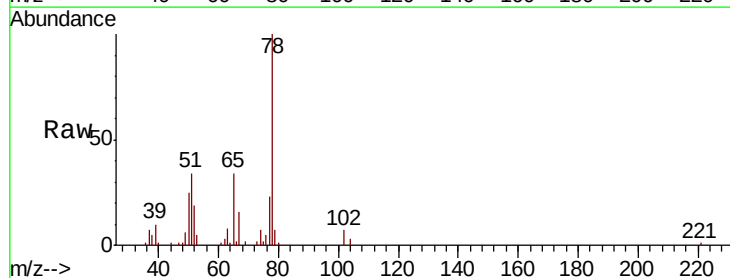


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

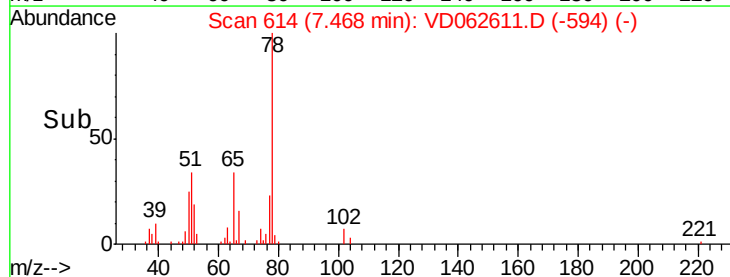
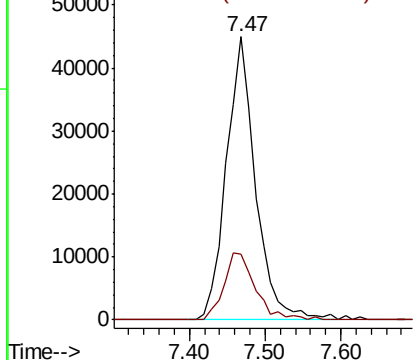


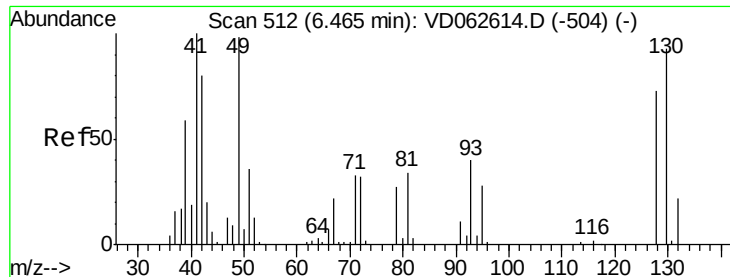
#40
Benzene
Concen: 5.036 ug/l
RT: 7.47 min Scan# 614
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

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

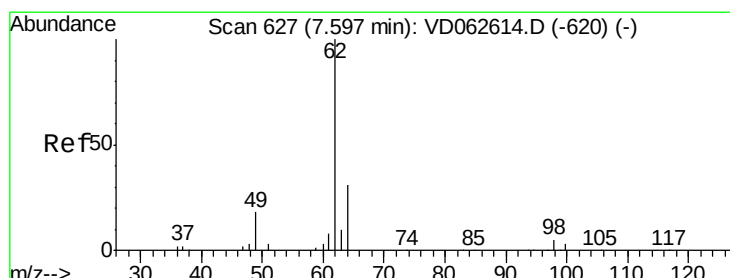
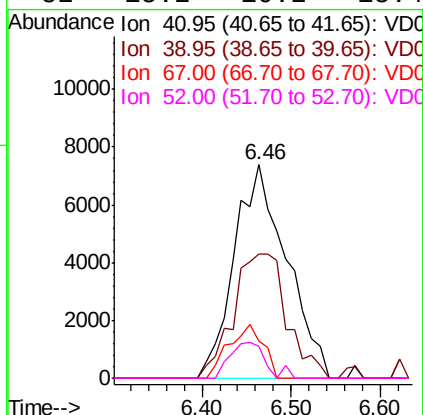
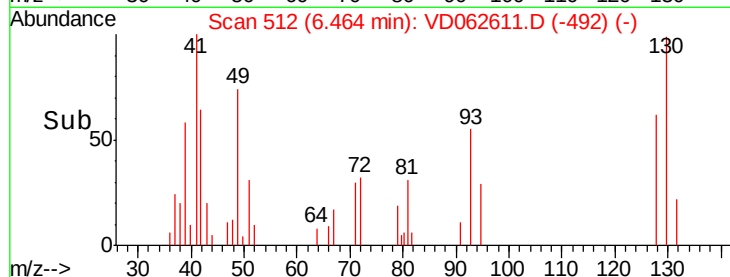
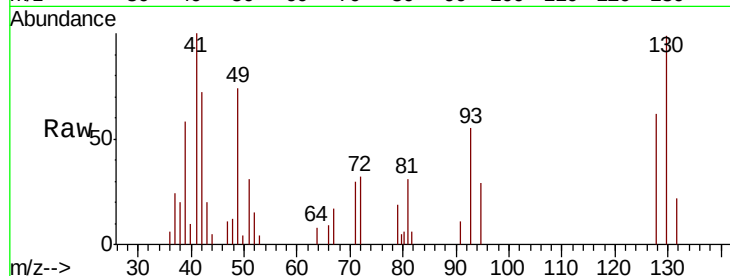




#41
Methacrylonitrile
Concen: 4.795 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

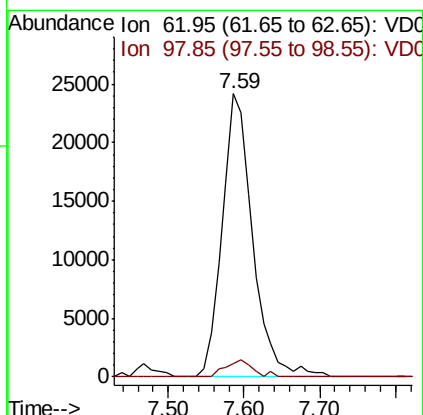
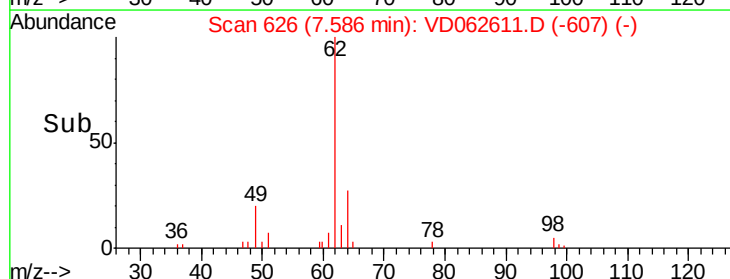
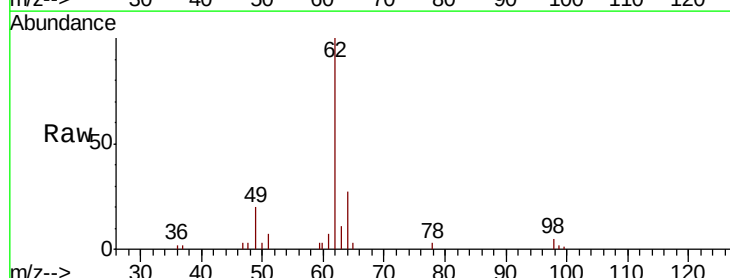
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

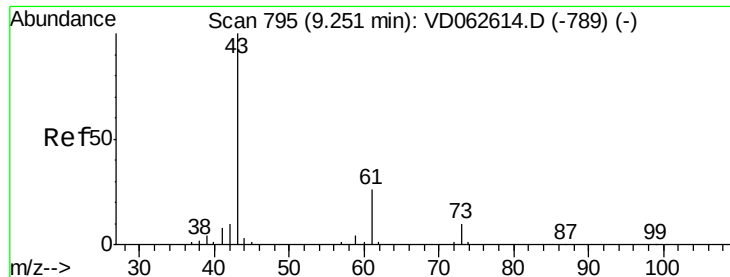
Tot Ion: 41 Resp: 30173
Ion Ratio Lower Upper
41 100
39 58.3 47.5 71.3
67 17.4 17.8 26.6#
52 15.2 10.2 15.4



#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

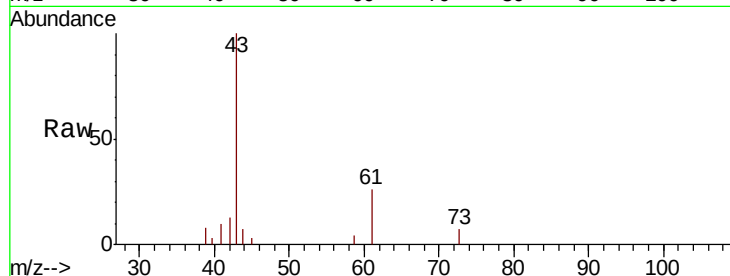
Tot Ion: 43 Resp: 31894

Ion Ratio Lower Upper

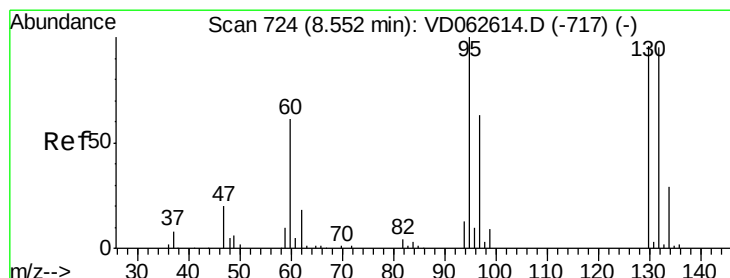
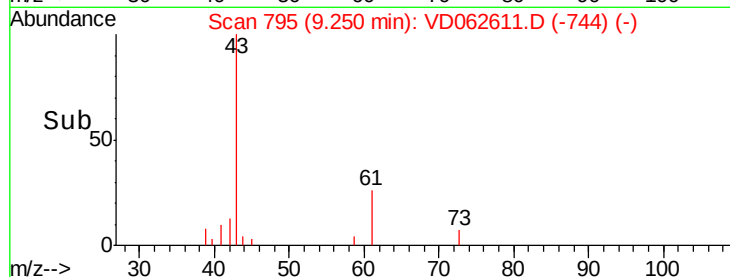
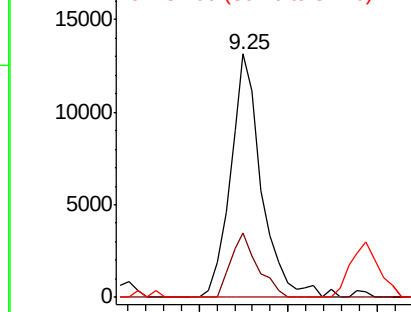
43 100

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

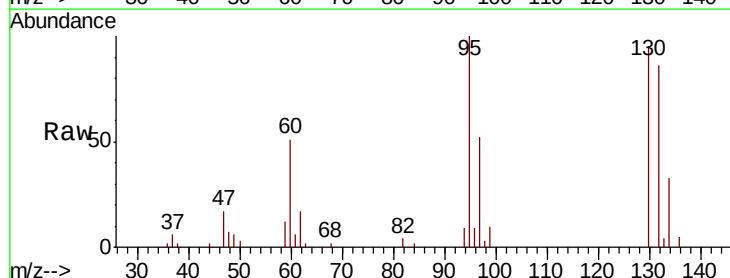
Acq: 5 Jun 2019 13:52

Tgt Ion: 130 Resp: 48116

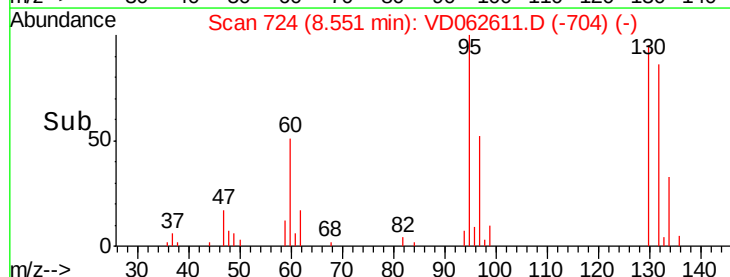
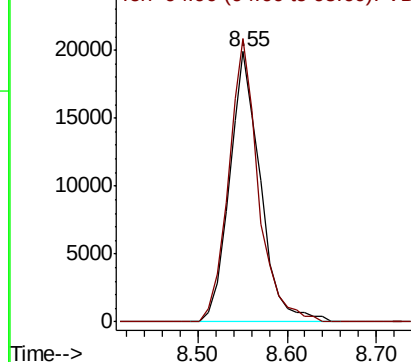
Ion Ratio Lower Upper

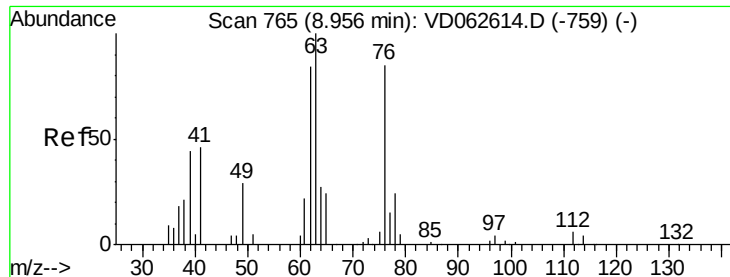
130 100

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

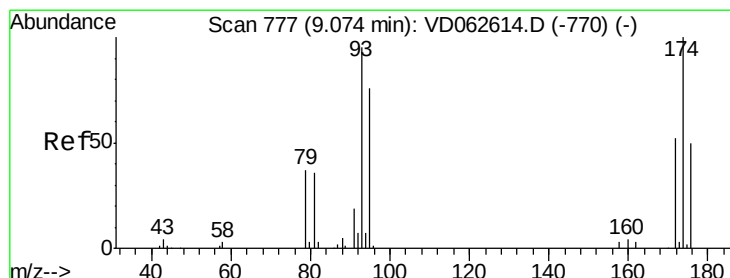
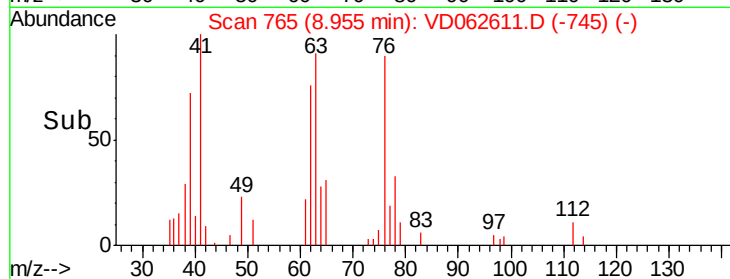
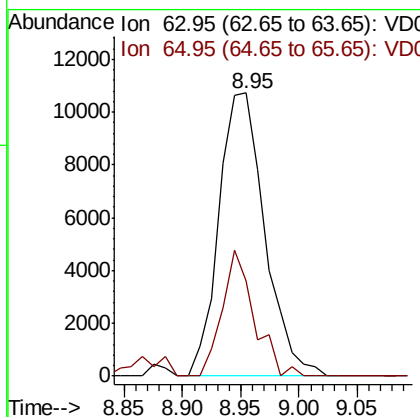
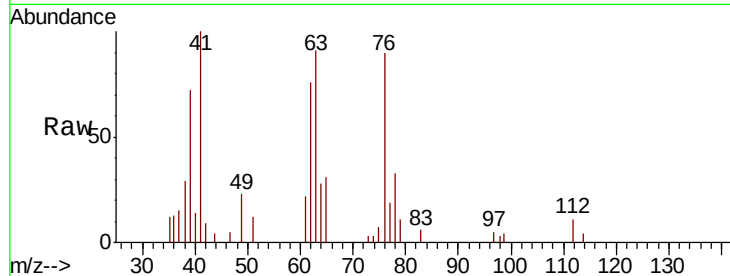




#45
 1,2-Dichloropropane
 Concen: 4.909 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

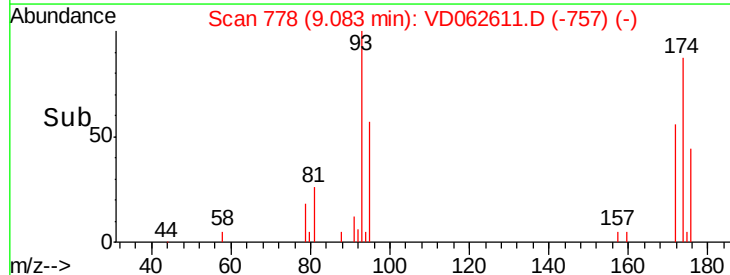
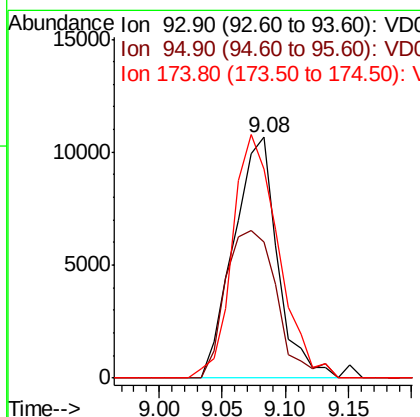
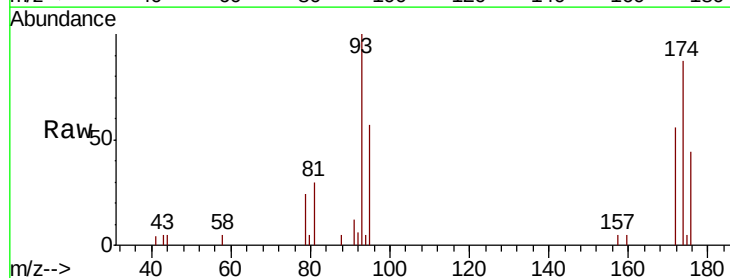
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

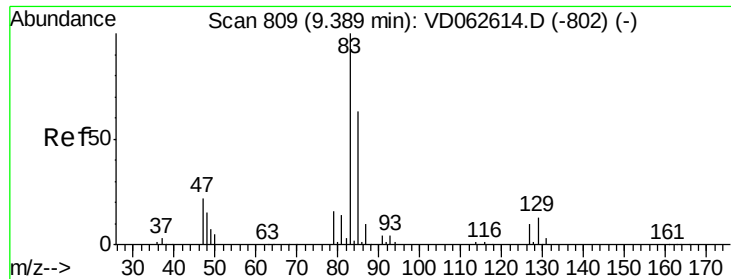
Tot Ion: 63 Resp: 29237
 Ion Ratio Lower Upper
 63 100
 65 33.7 21.7 32.5#



#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

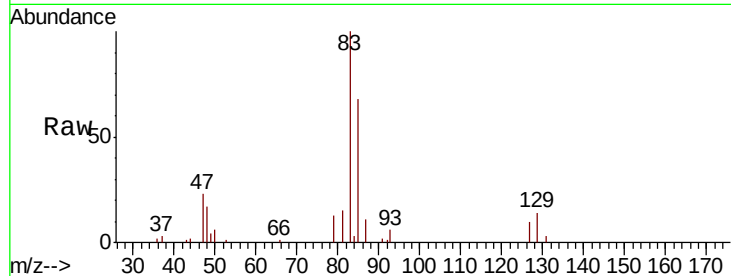
Tot Ion: 83 Resp: 69345

Ion Ratio Lower Upper

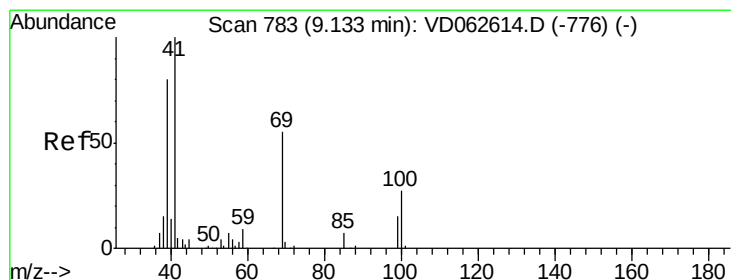
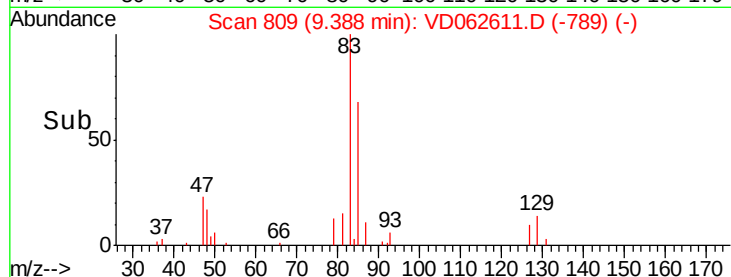
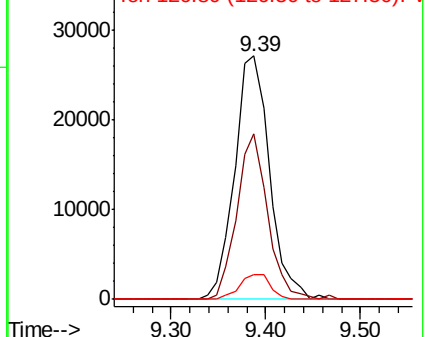
83 100

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

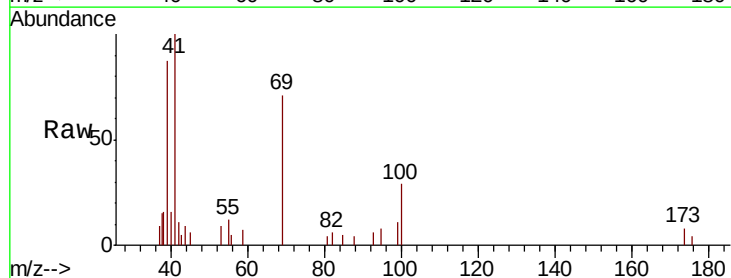
Tgt Ion: 41 Resp: 22040

Ion Ratio Lower Upper

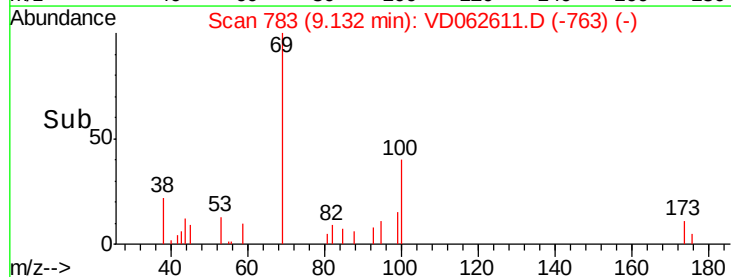
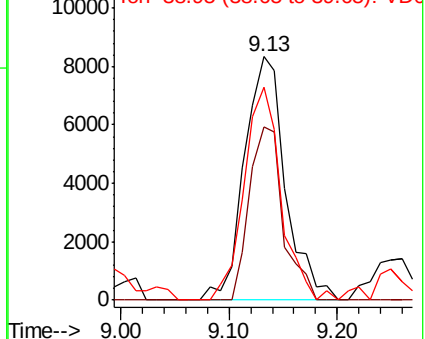
41 100

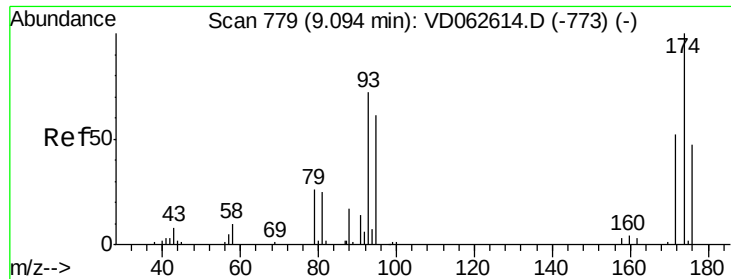
69 71.4 43.8 65.8#

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

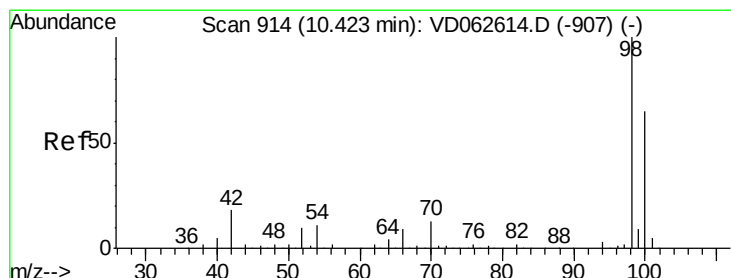
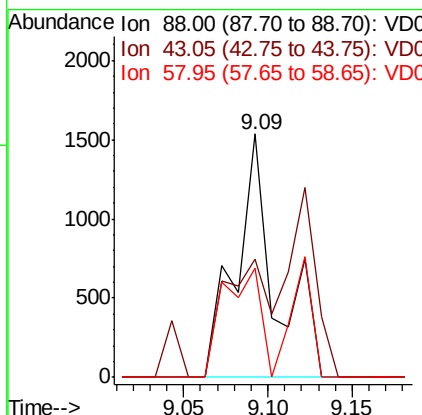
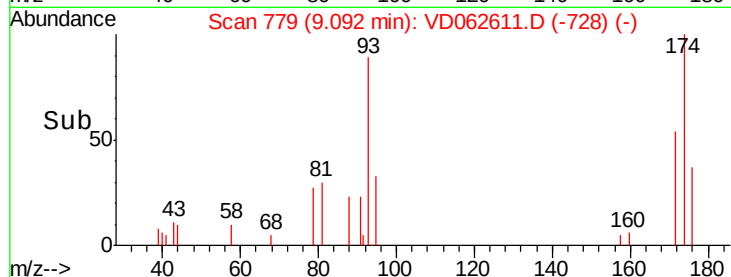
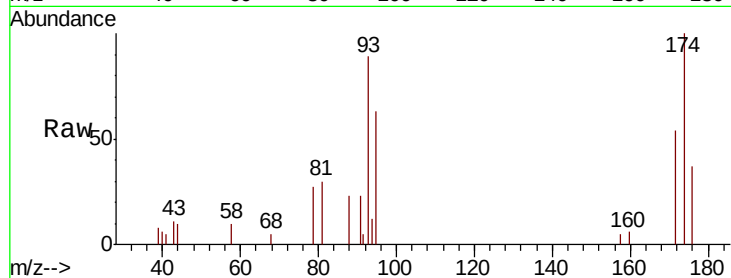




#49
1,4-Dioxane
Concen: 69.158 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

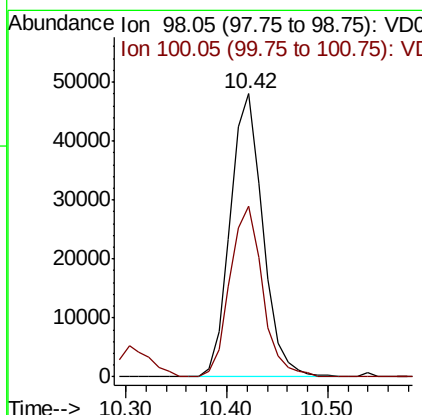
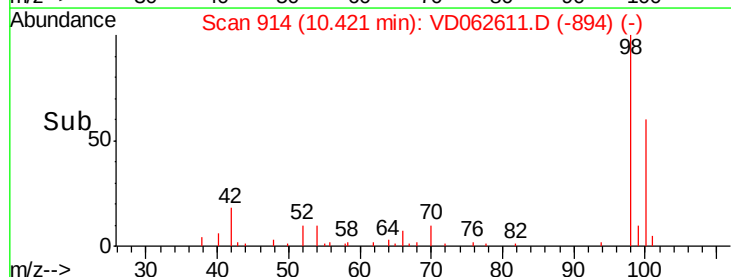
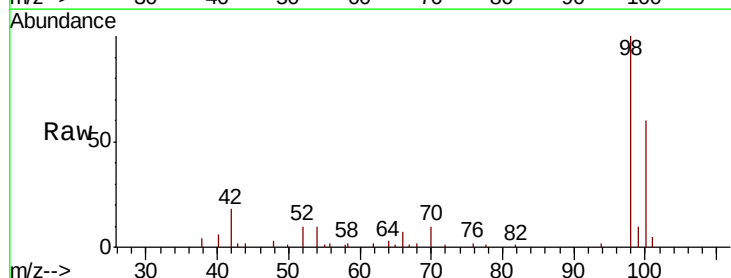
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

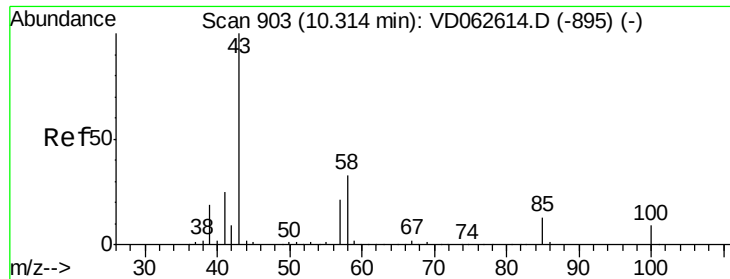
Tot Ion: 88 Resp: 2493
Ion Ratio Lower Upper
88 100
43 48.7 39.3 58.9
58 44.7 45.3 67.9#



#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





#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 :

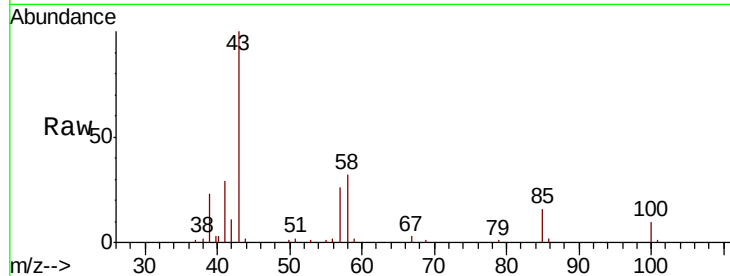
VSTDIC005

Tot Ion: 43 Resp: 104280

Ion Ratio Lower Upper

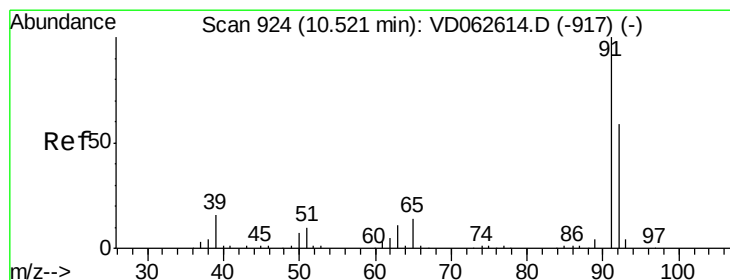
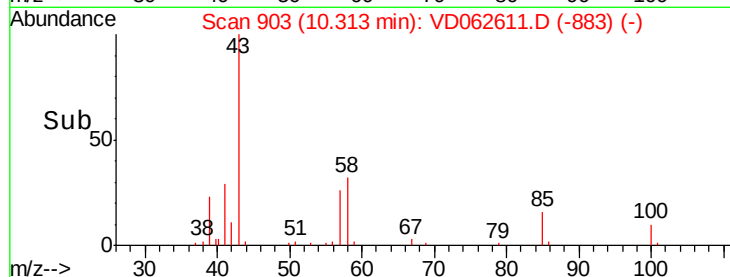
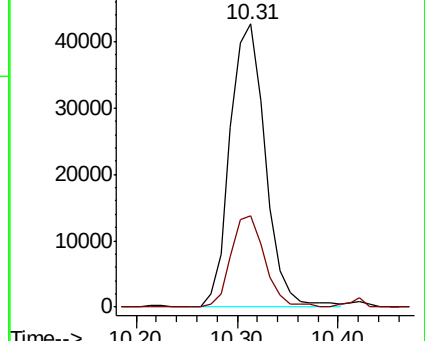
43 100

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



#52

Toluene

Concen: 4.686 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062611.D

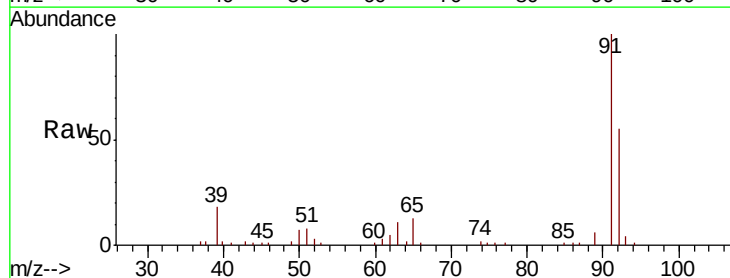
Acq: 5 Jun 2019 13:52

Tgt Ion: 92 Resp: 73914

Ion Ratio Lower Upper

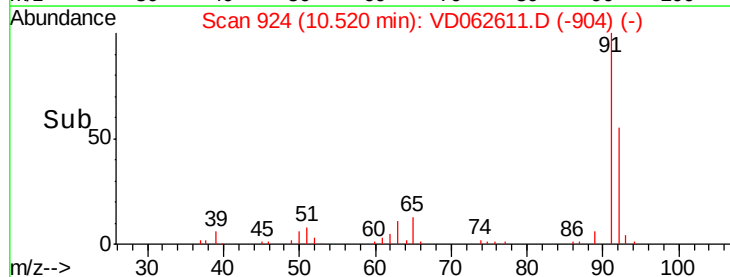
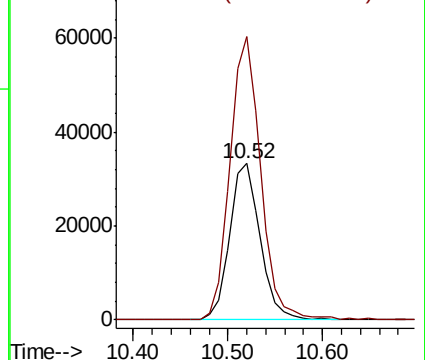
92 100

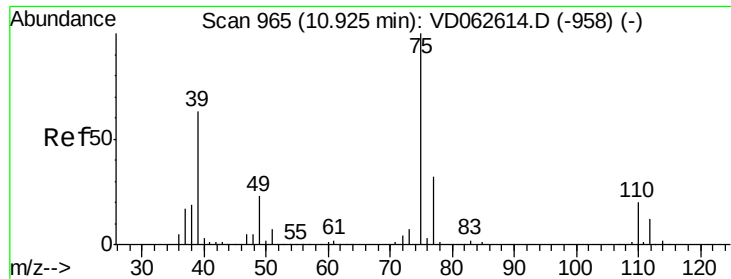
91 180.9 134.7 202.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

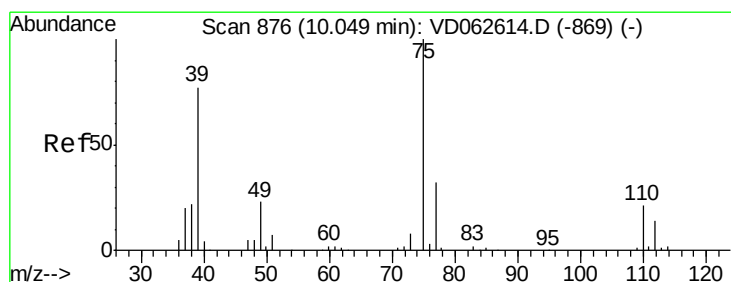
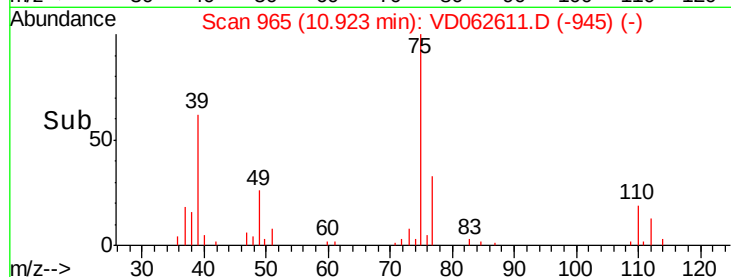
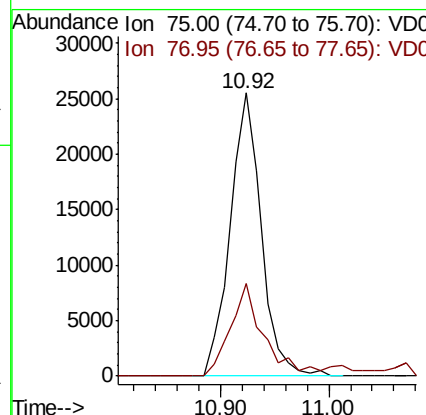
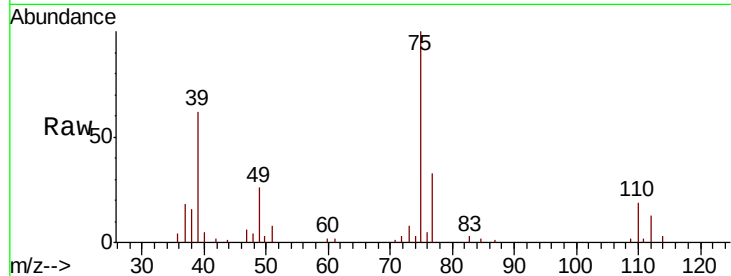




#53
 t-1,3-Dichloropropene
 Concen: 4.410 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

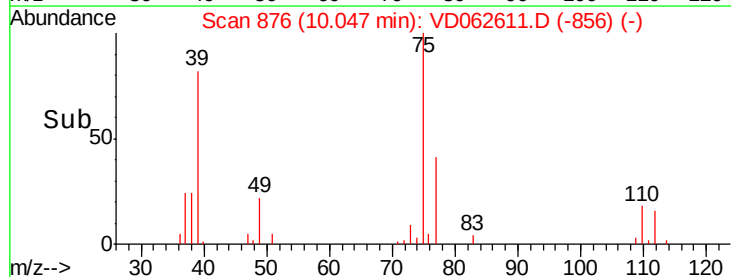
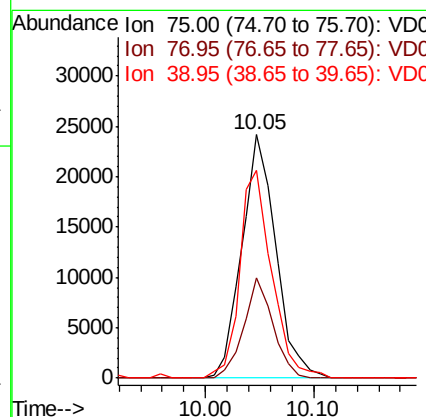
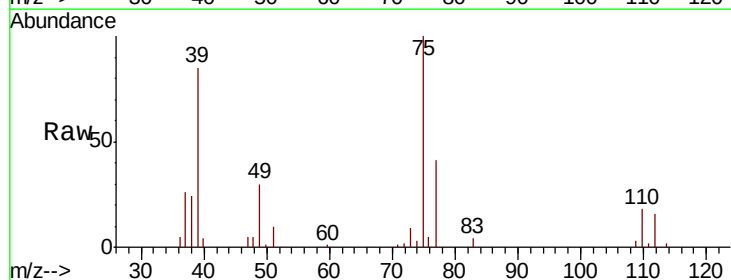
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

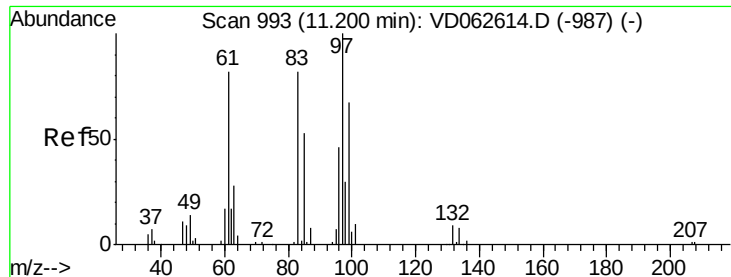
Tot Ion: 75 Resp: 51094
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.2



#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

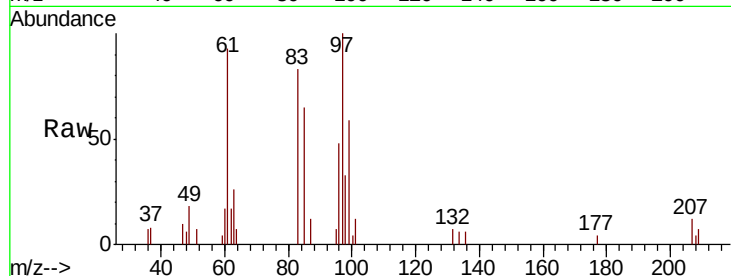




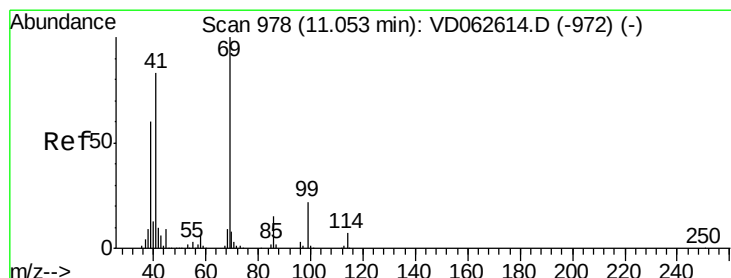
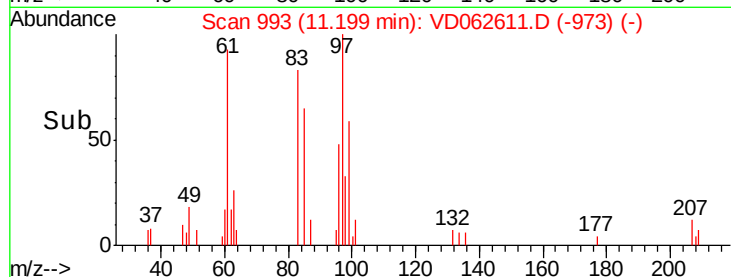
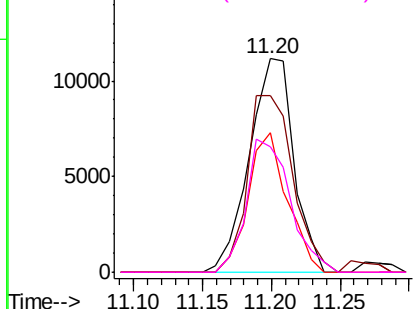
#55
1,1,2-Trichloroethane
Concen: 4.636 ug/l
RT: 11.20 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

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

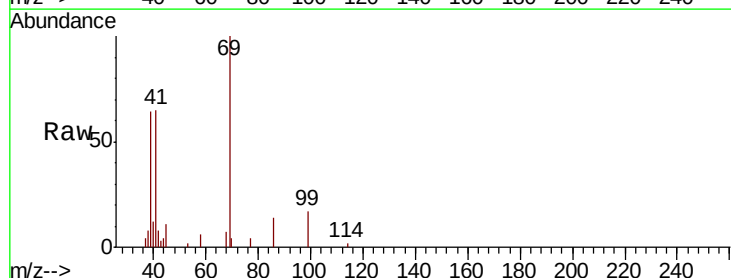


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

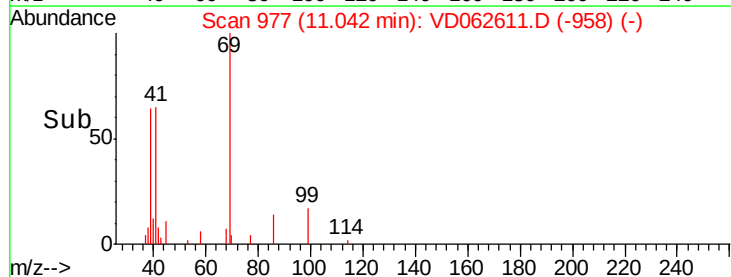
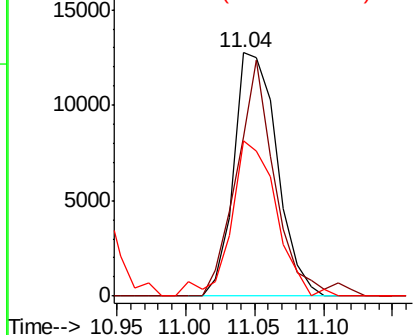


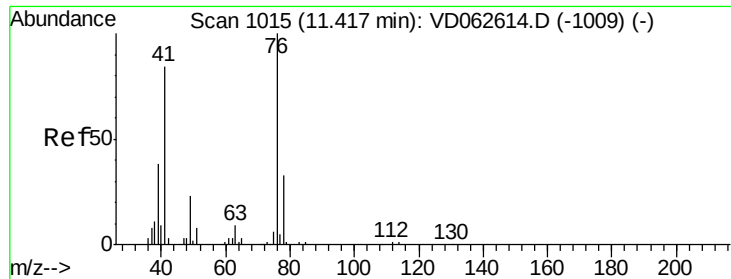
#56
Ethyl methacrylate
Concen: 4.621 ug/l
RT: 11.04 min Scan# 977
Delta R.T. -0.01 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

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 :

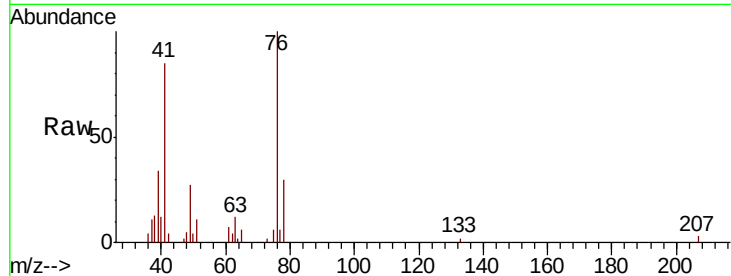
VSTDIC005

Tot Ion: 76 Resp: 39085

Ion Ratio Lower Upper

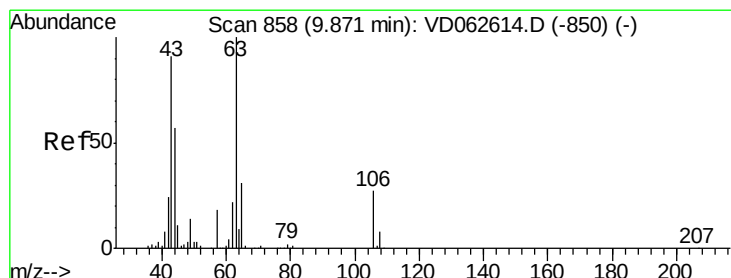
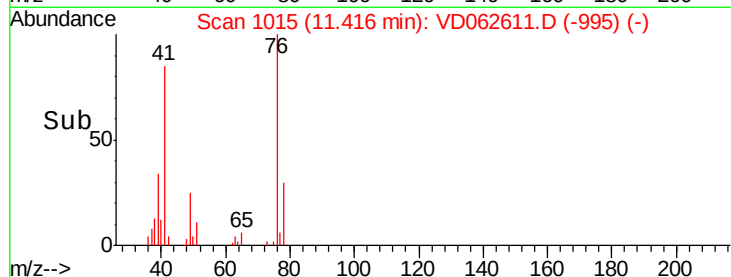
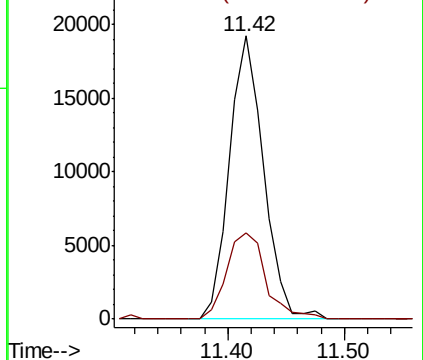
76 100

78 30.4 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#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

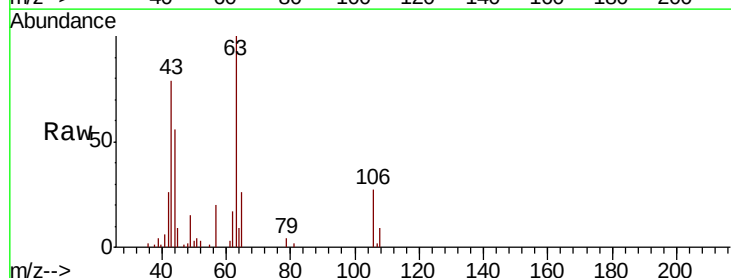
Acq: 5 Jun 2019 13:52

Tgt Ion: 63 Resp: 72020

Ion Ratio Lower Upper

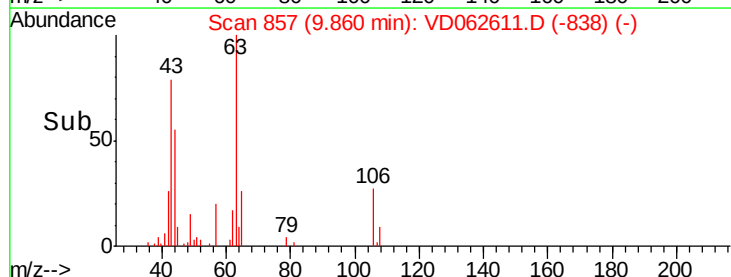
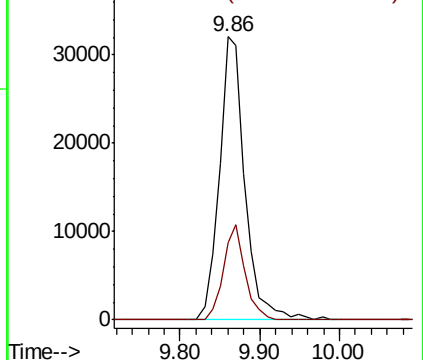
63 100

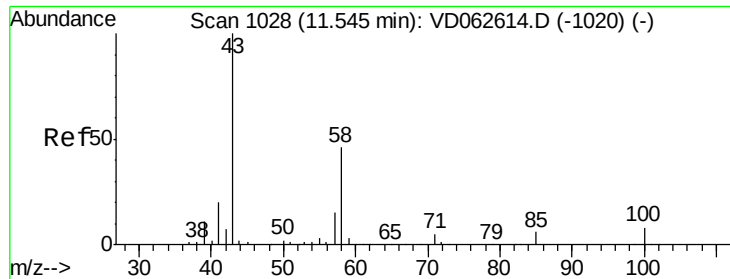
106 27.4 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

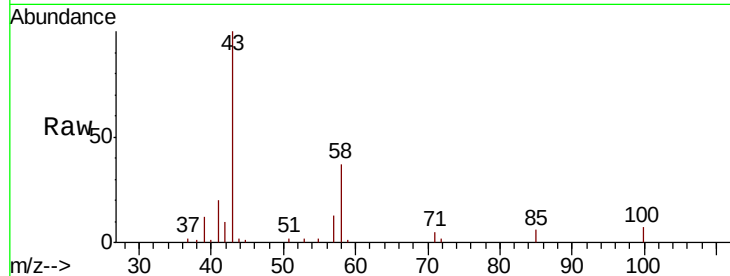




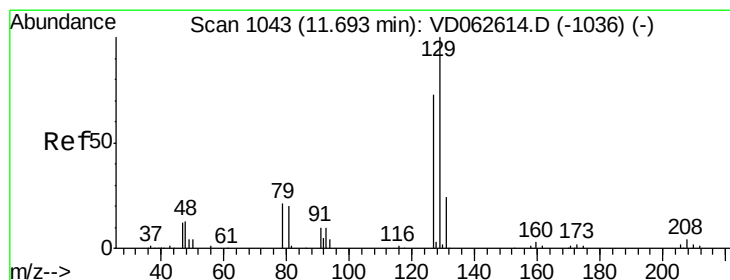
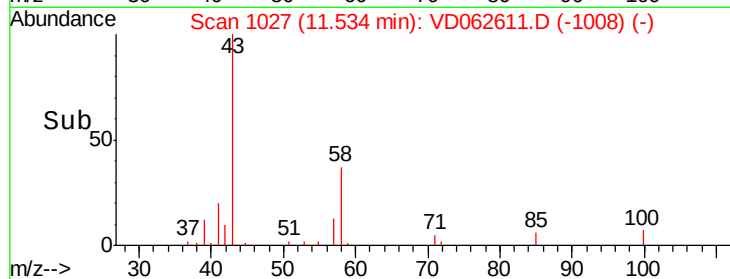
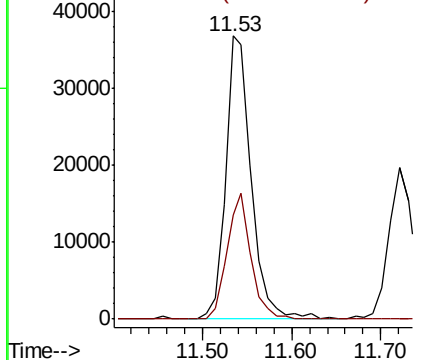
#59
2-Hexanone
Concen: 22.405 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

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

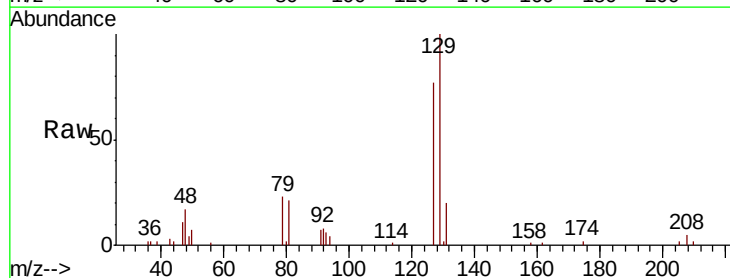


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

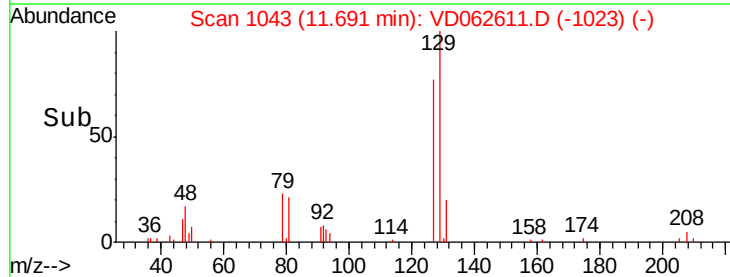
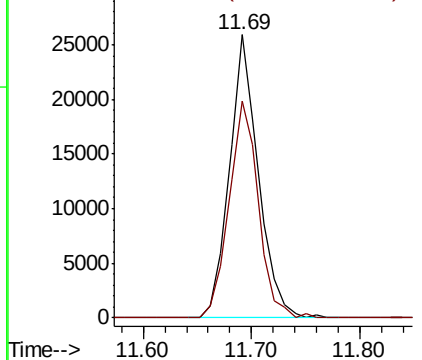


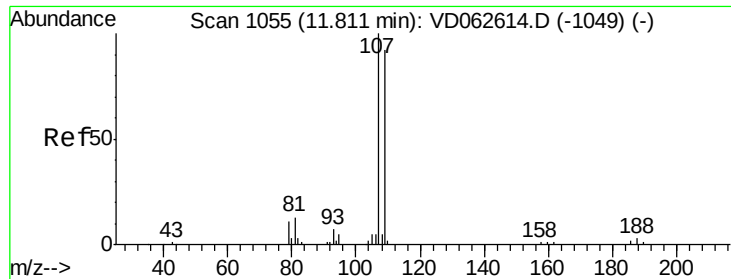
#60
Dibromochloromethane
Concen: 4.522 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

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 :

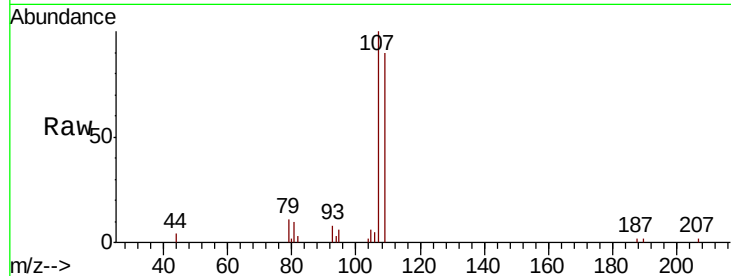
VSTDIC005

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

11.81

20000

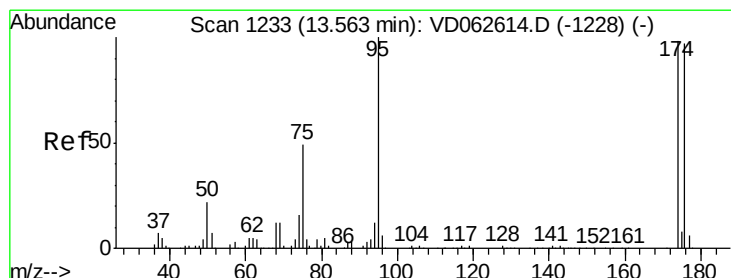
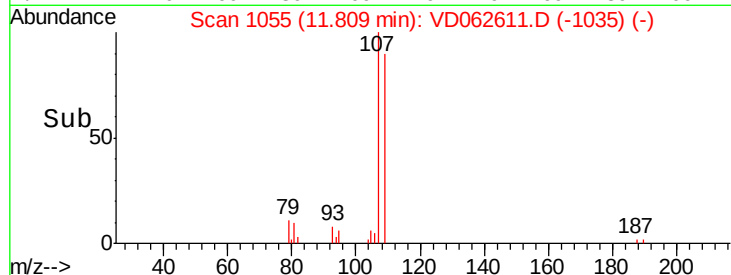
15000

10000

5000

0

Time-->



#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

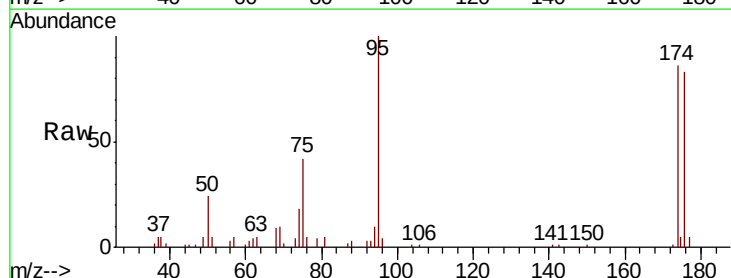
Tgt Ion: 95 Resp: 55312

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

13.56

50000

40000

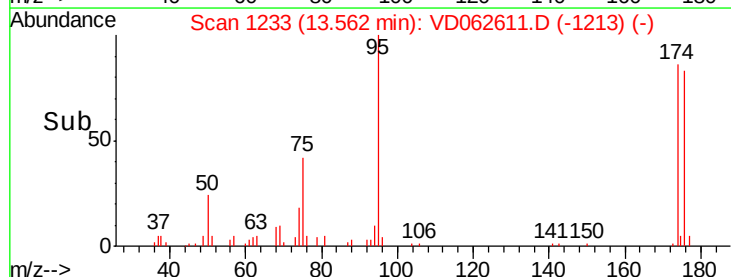
30000

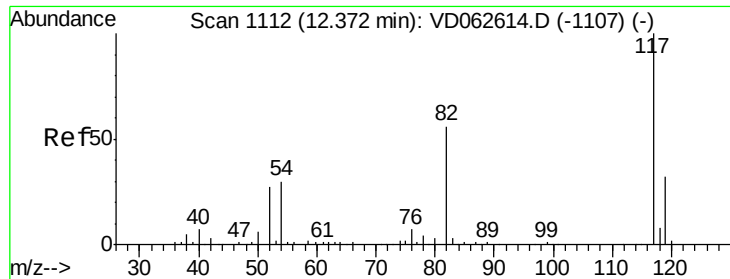
20000

10000

0

Time-->

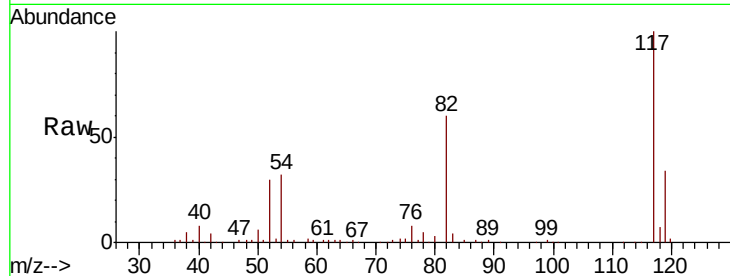




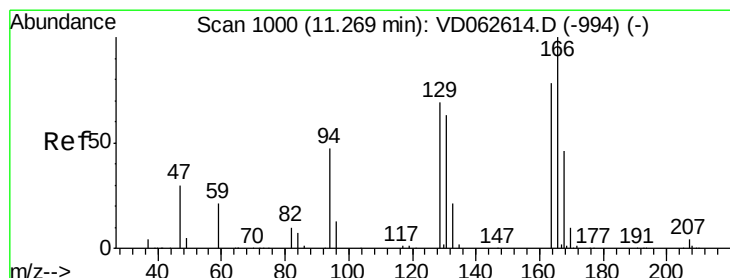
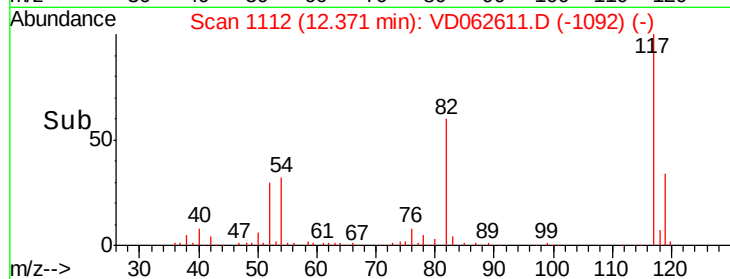
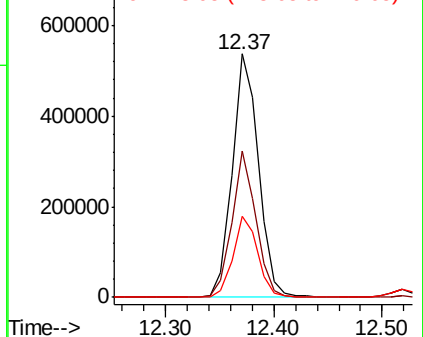
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

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

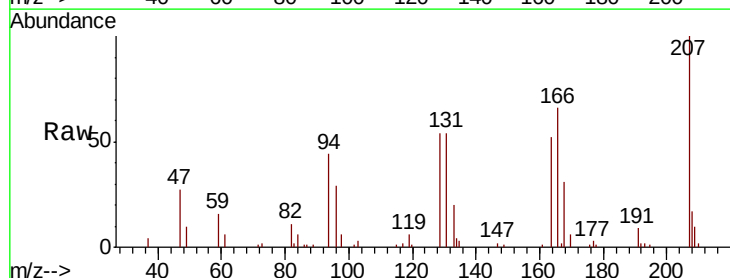


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

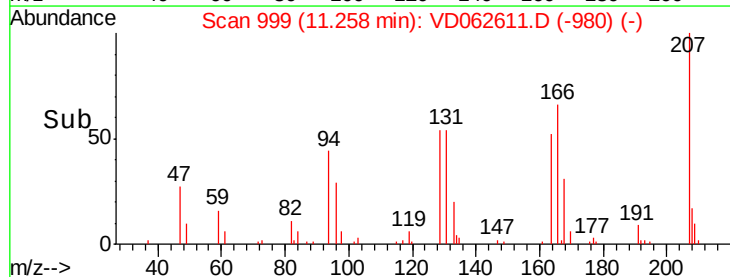
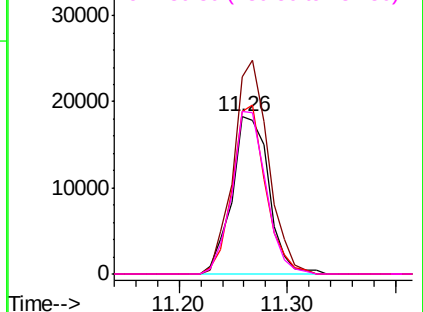


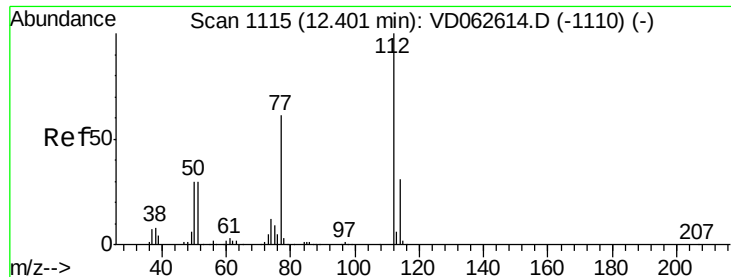
#64
Tetrachloroethene
Concen: 5.321 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

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

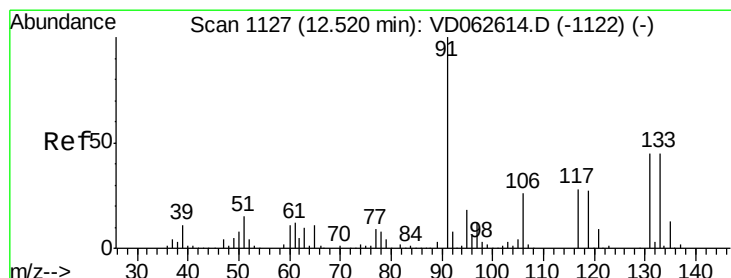
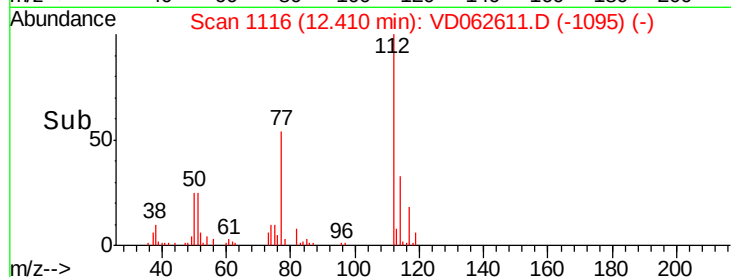
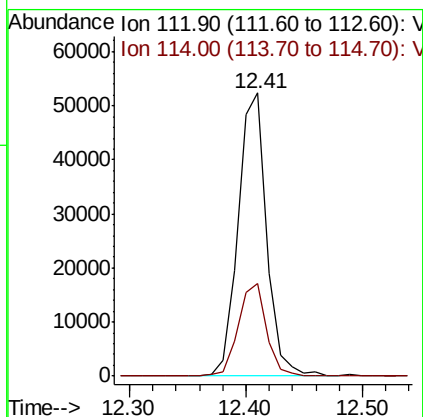
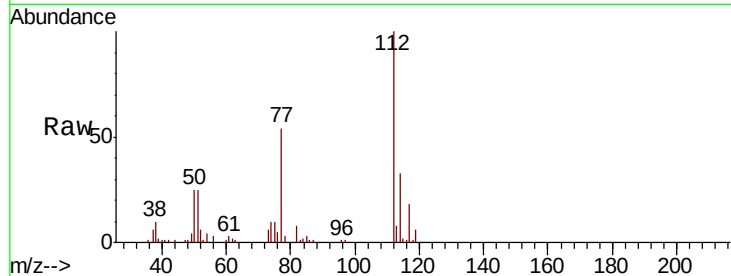




#65
Chlorobenzene
Concen: 4.698 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

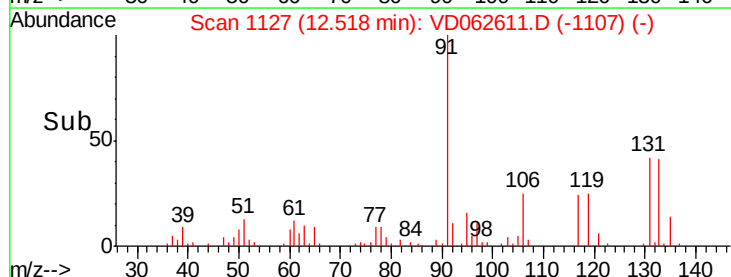
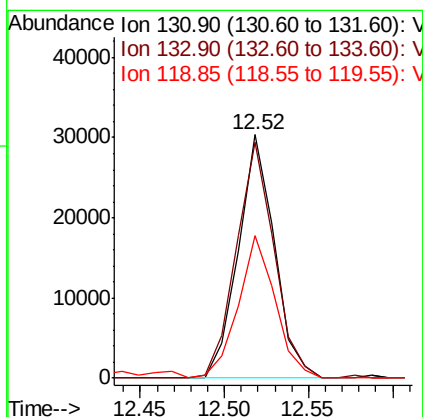
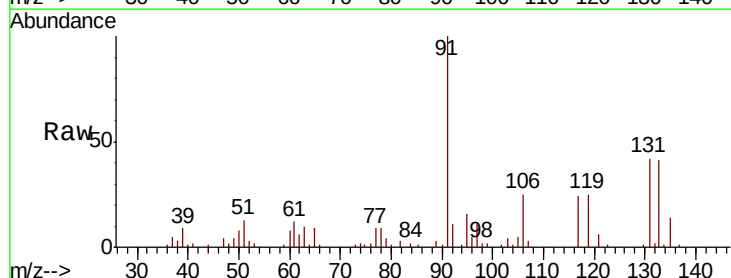
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

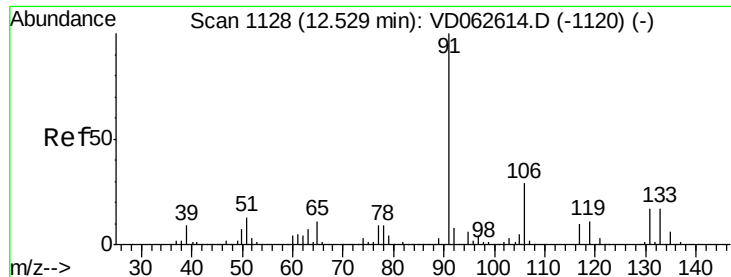
Tot Ion:112 Resp: 88189
Ion Ratio Lower Upper
112 100
114 32.6 25.0 37.6



#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

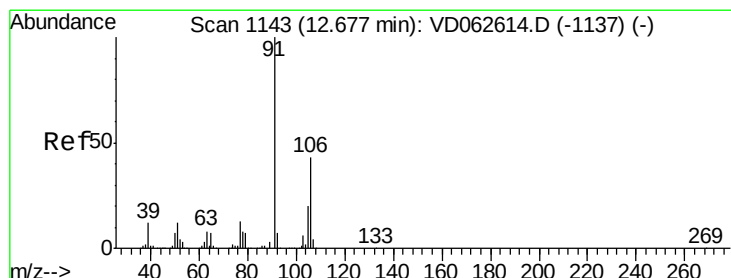
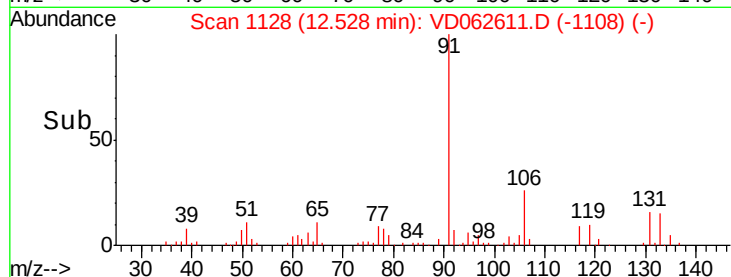
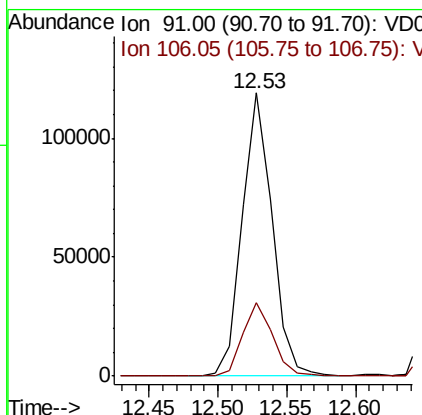
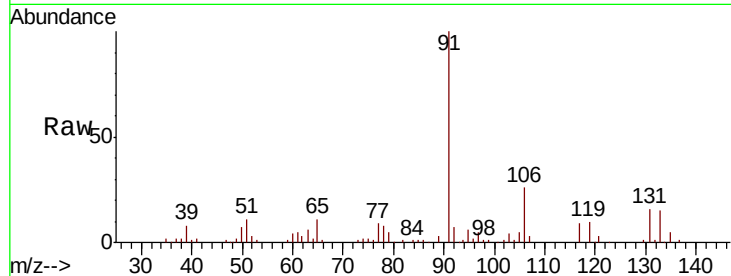




#67
Ethyl Benzene
Concen: 5.341 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

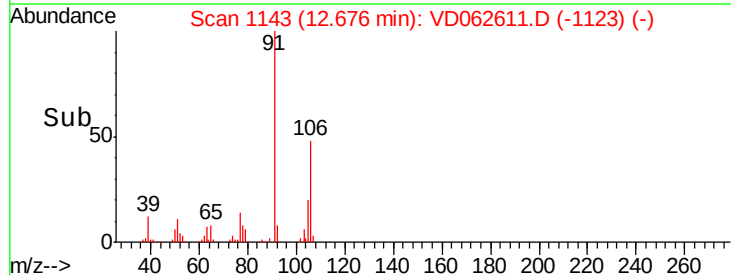
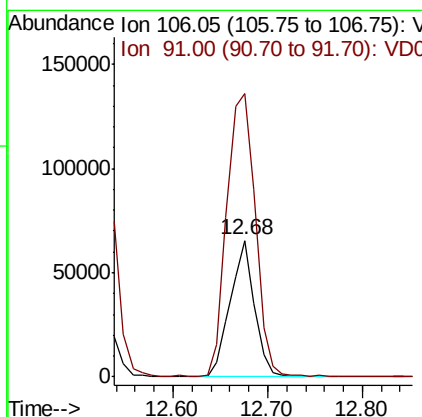
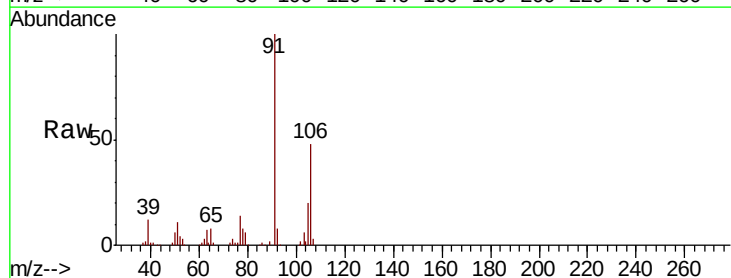
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

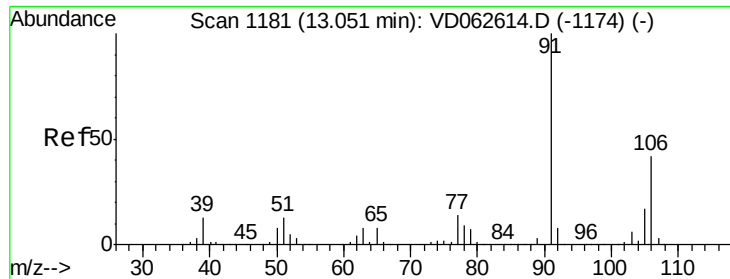
Tot Ion: 91 Resp: 181213
Ion Ratio Lower Upper
91 100
106 25.9 23.0 34.4



#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

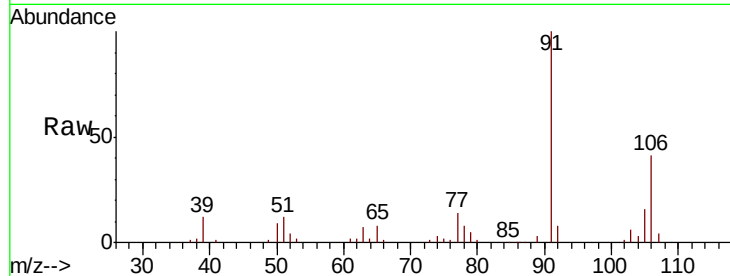




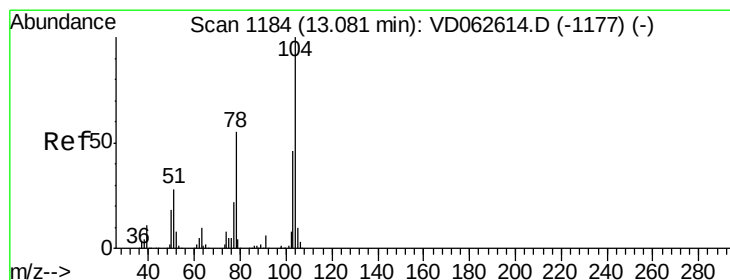
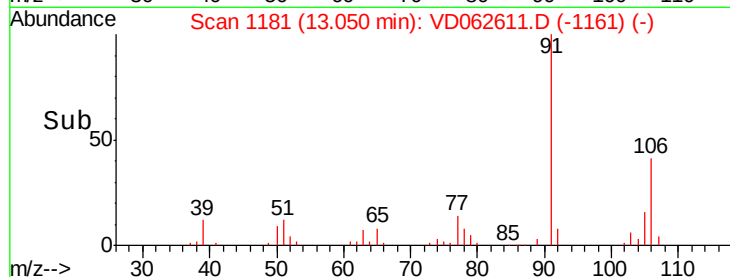
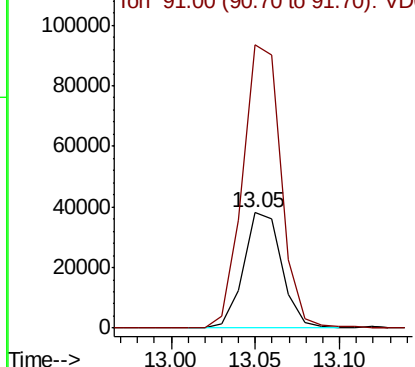
#69
o-Xylene
Concen: 5.264 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

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

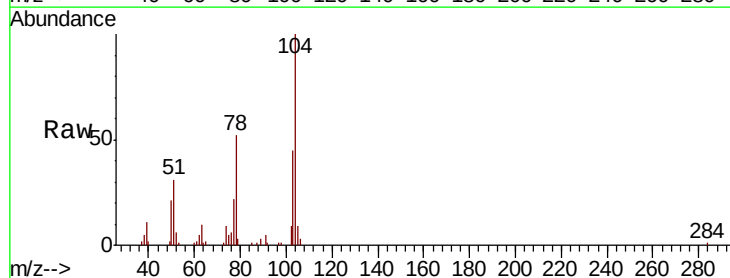


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

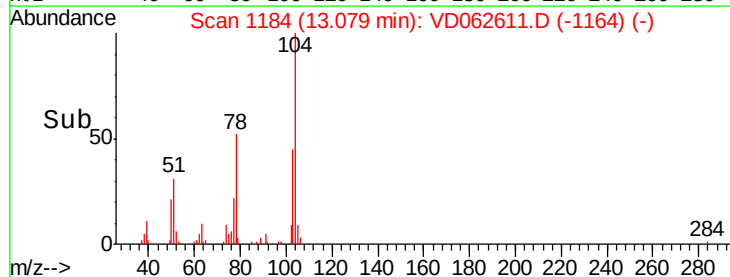
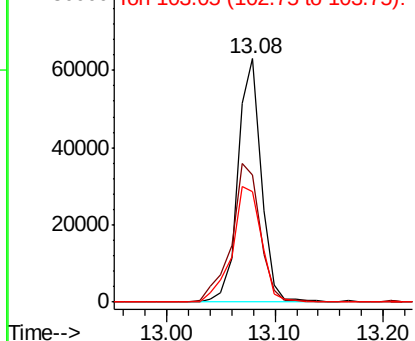


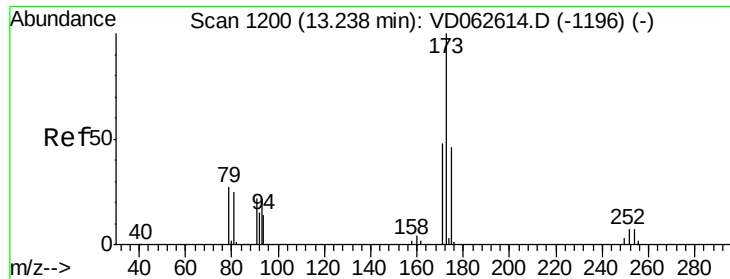
#70
Styrene
Concen: 4.929 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

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): V
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

ClientSampled :

VSTDIC005

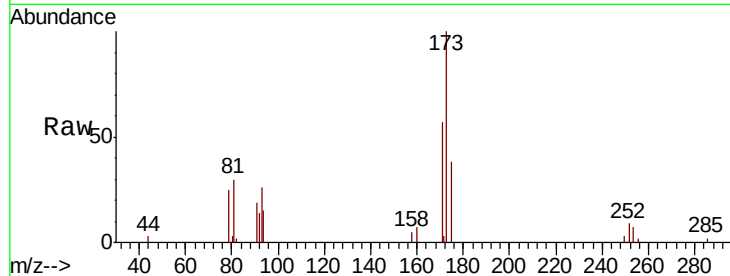
Tot Ion:173 Resp: 28822

Ion Ratio Lower Upper

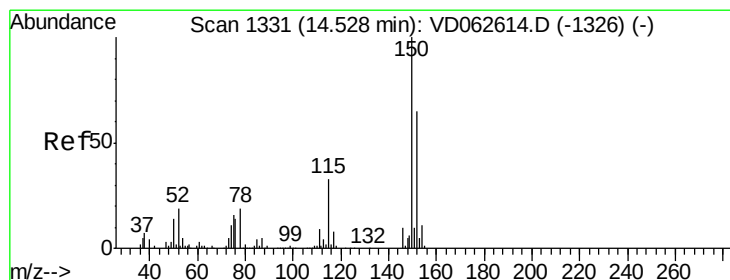
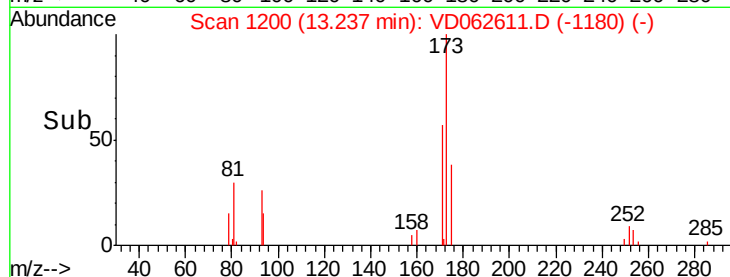
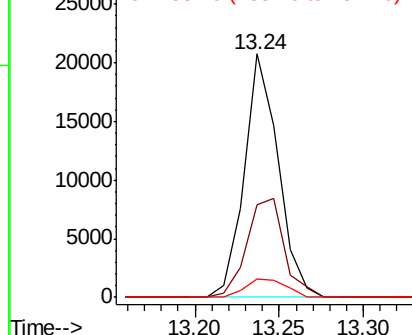
173 100

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

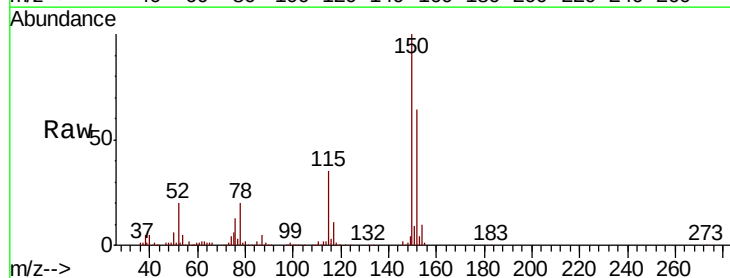
Tgt Ion:152 Resp: 485758

Ion Ratio Lower Upper

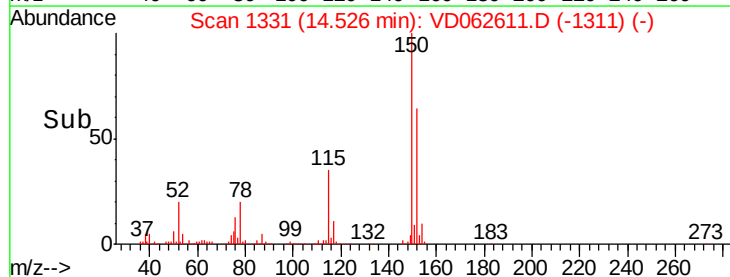
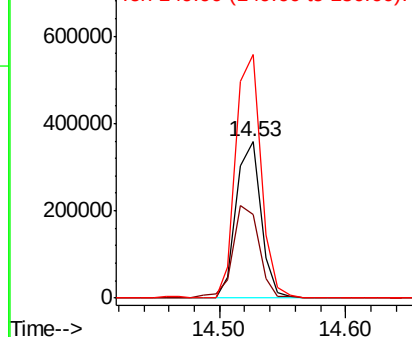
152 100

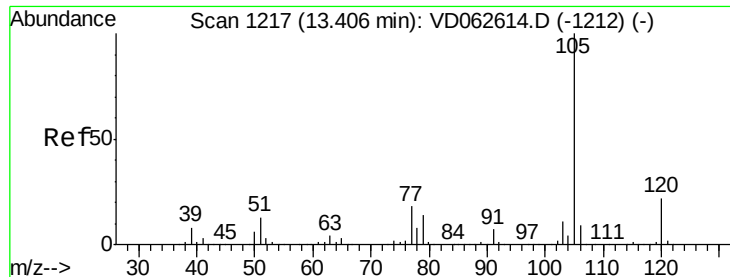
115 53.9 27.1 81.3

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 :

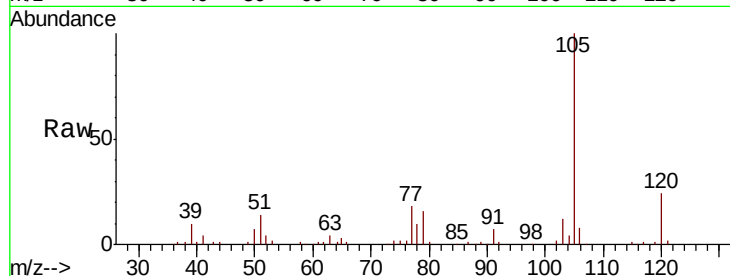
VSTDIC005

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

120000

100000

80000

60000

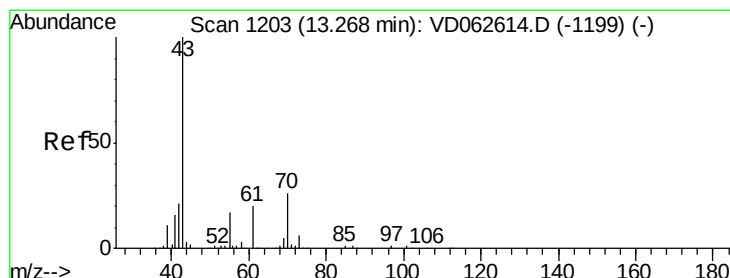
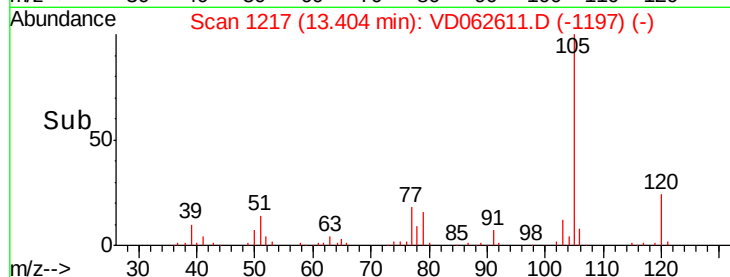
40000

20000

0

13.35 13.40 13.45 13.50

Time-->



#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

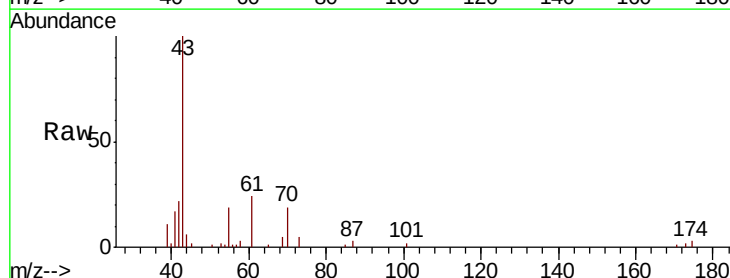
Ion Ratio Lower Upper

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

50000

40000

30000

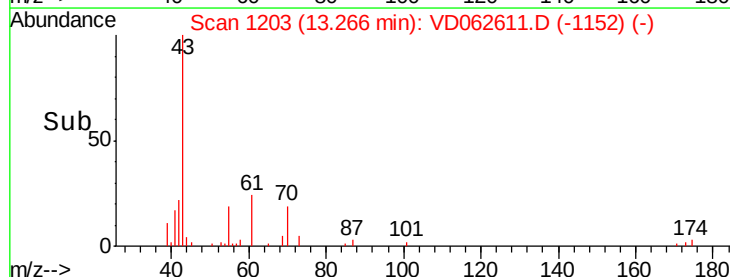
20000

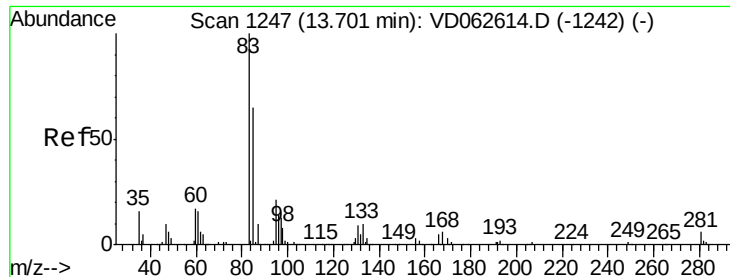
10000

0

13.20 13.25 13.30 13.35

Time-->





#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

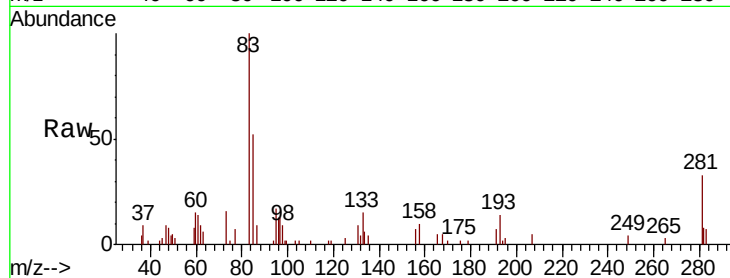
Tot Ion: 83 Resp: 28590

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

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

25000

20000

15000

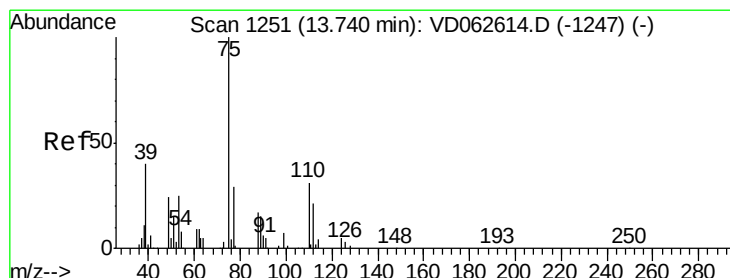
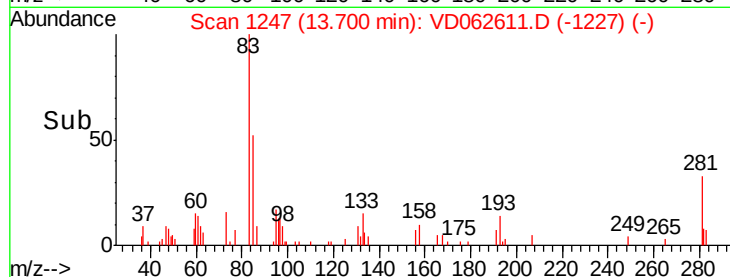
10000

5000

0

13.65 13.70 13.75 13.80

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

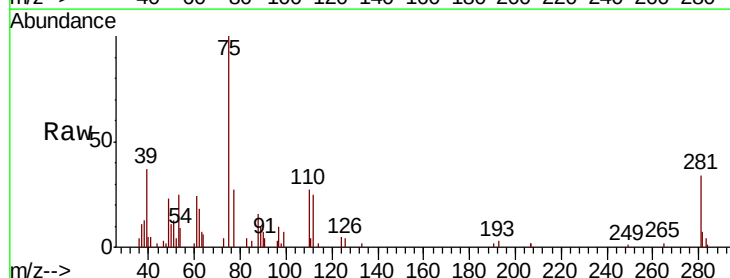
Acq: 5 Jun 2019 13:52

Tgt Ion: 75 Resp: 33172

Ion	Ratio	Lower	Upper
75	100		
77	26.6	16.7	50.1

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

50000

40000

30000

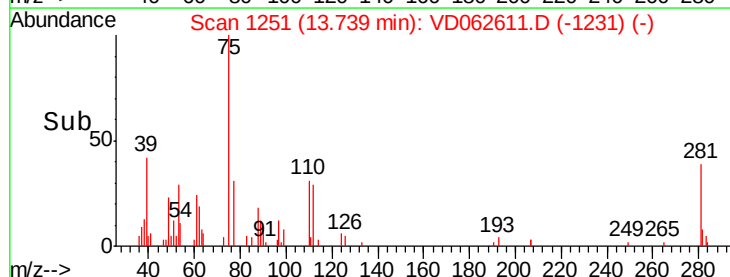
20000

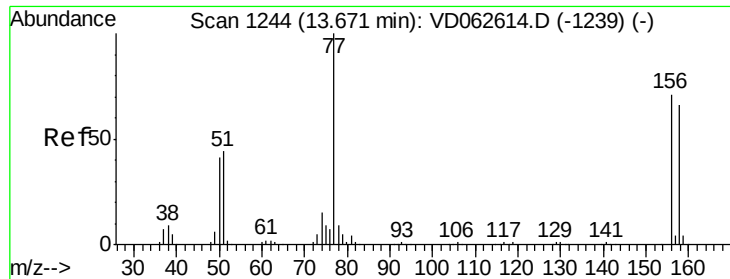
10000

0

13.65 13.70 13.75 13.80

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

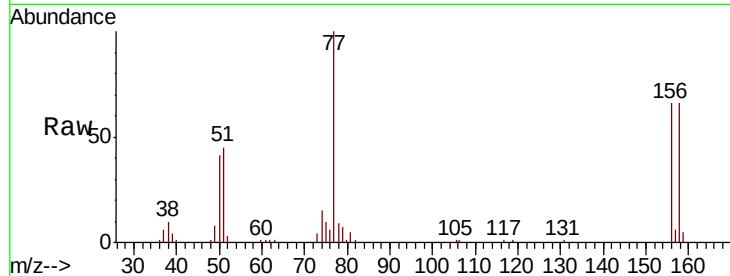
Tot Ion:156 Resp: 46223

Ion Ratio Lower Upper

156 100

77 151.4 70.5 211.5

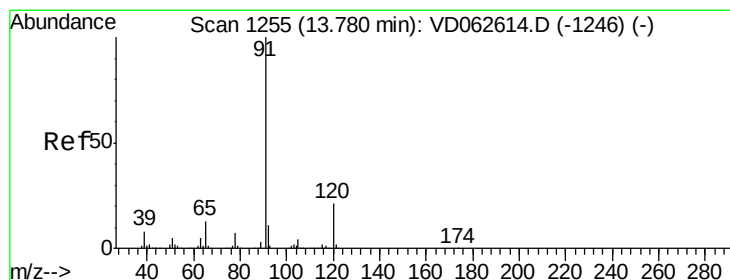
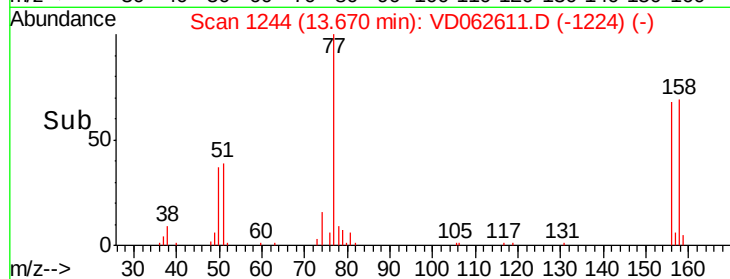
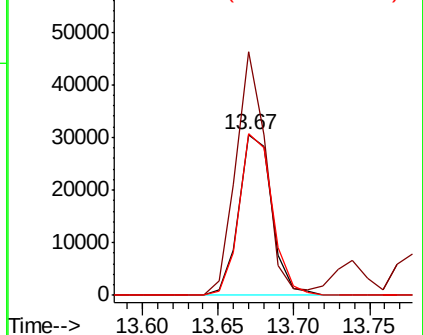
158 100.6 46.9 140.6



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

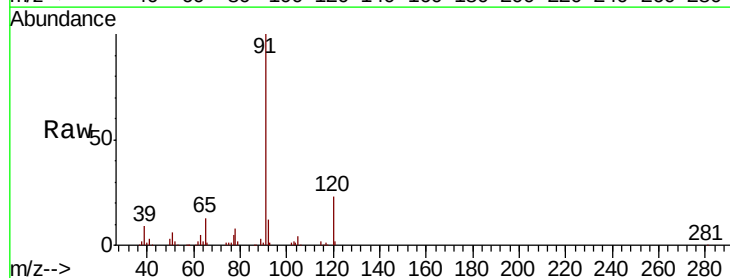
Acq: 5 Jun 2019 13:52

Tgt Ion: 91 Resp: 207637

Ion Ratio Lower Upper

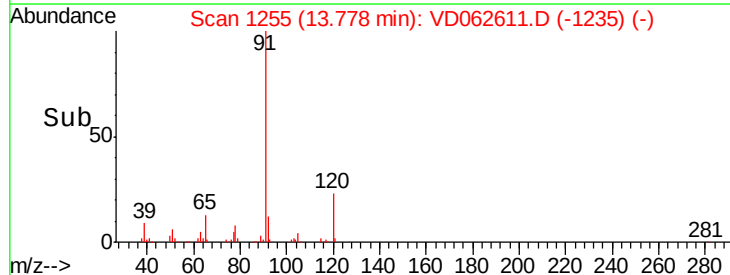
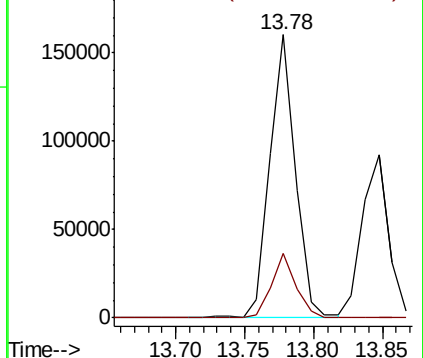
91 100

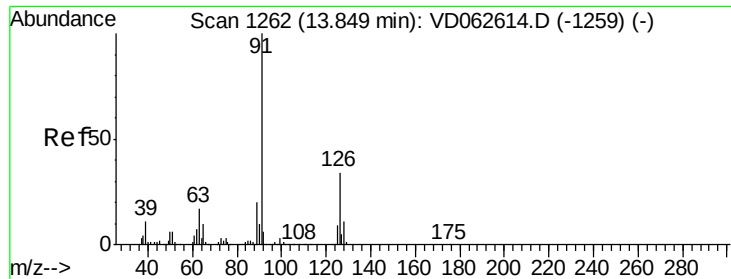
120 22.8 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

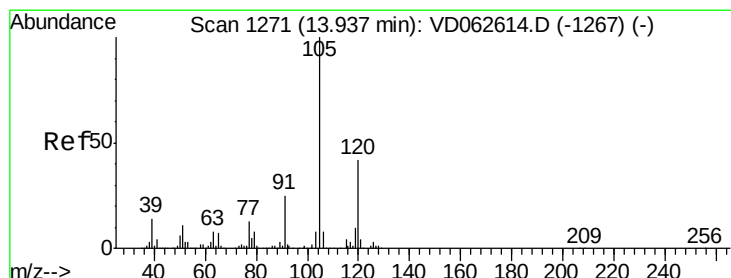
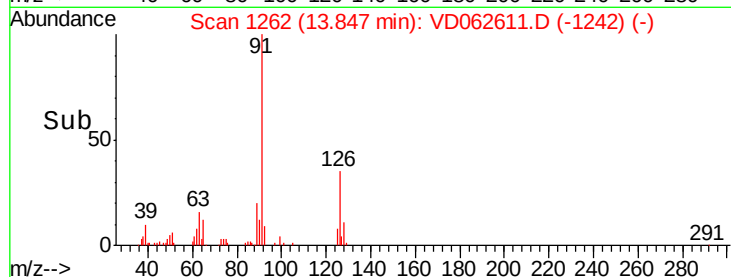
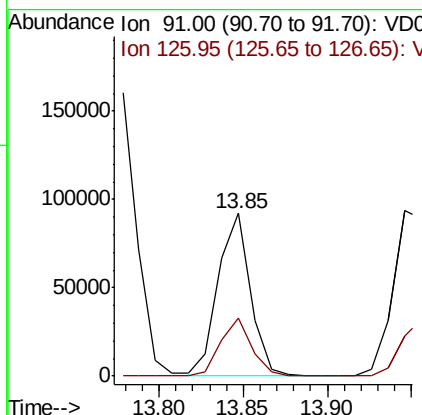
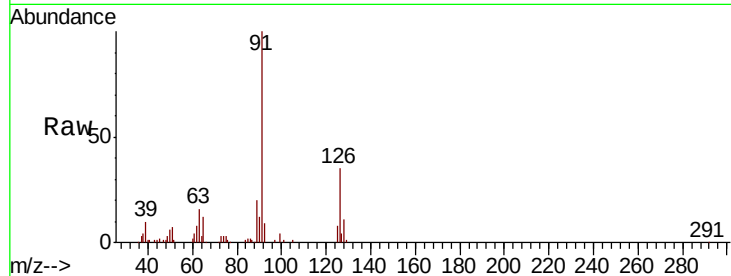




#79
 2-Chlorotoluene
 Concen: 5.174 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

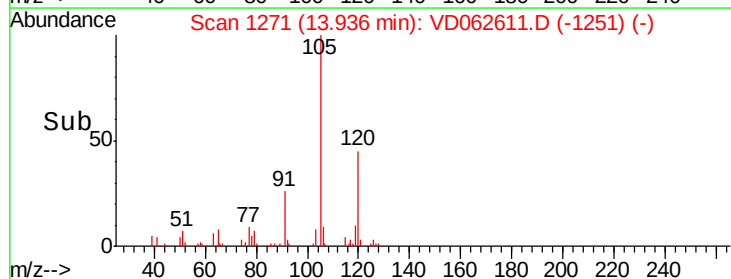
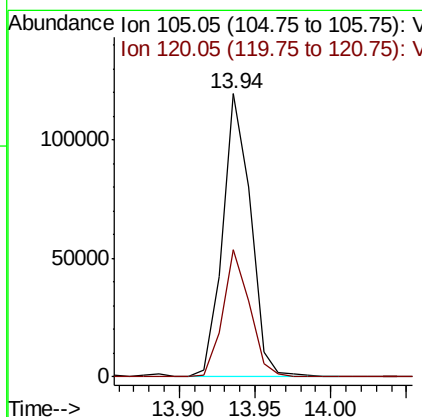
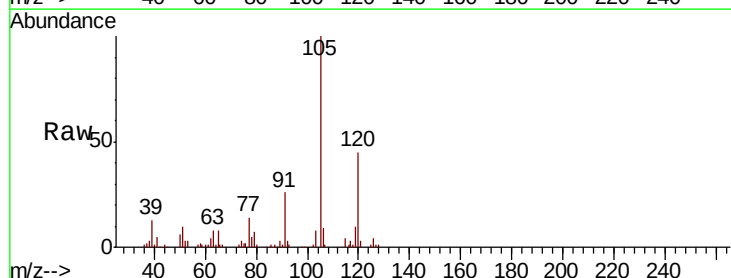
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

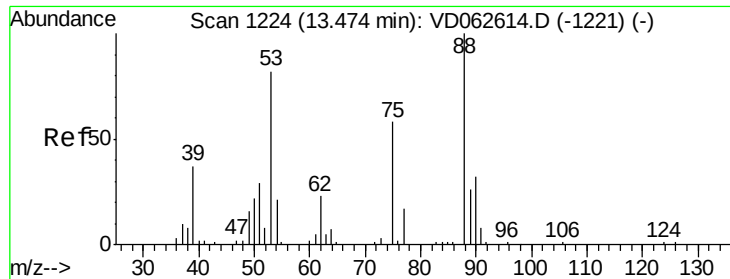
Tot Ion: 91 Resp: 122876
 Ion Ratio Lower Upper
 91 100
 126 35.4 16.7 50.1



#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

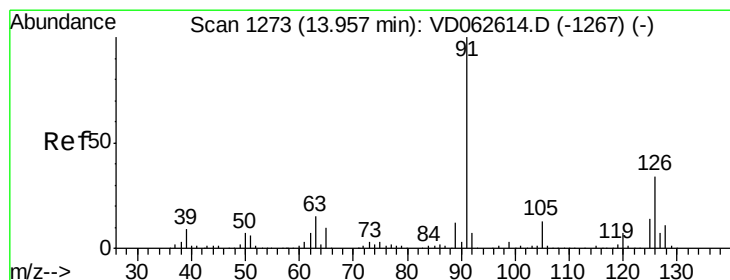
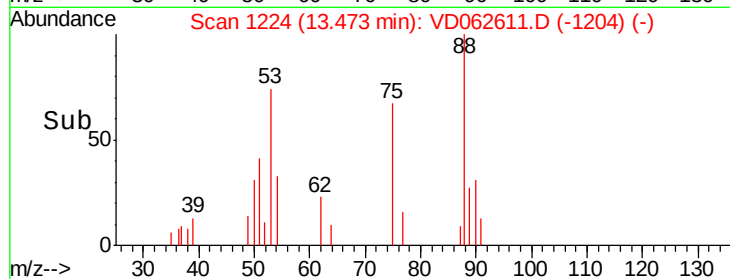
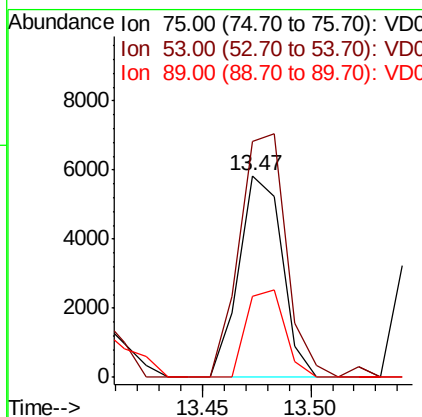
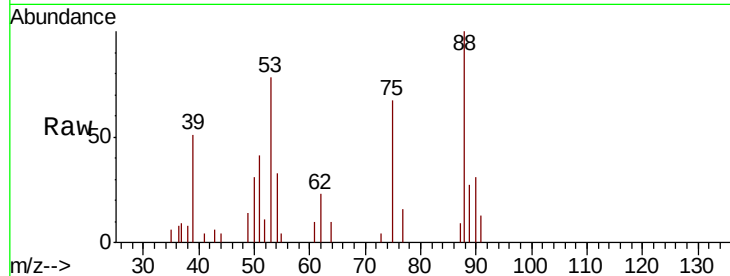




#81
trans-1,4-Dichloro-2-butene
Concen: 5.024 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

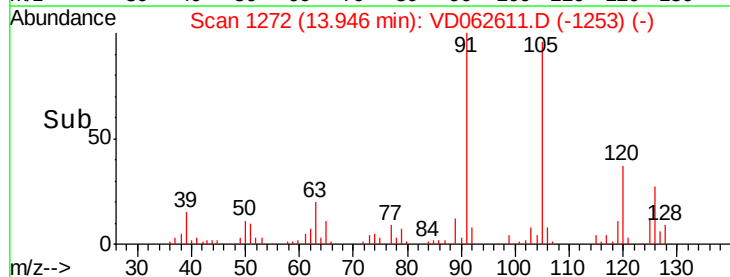
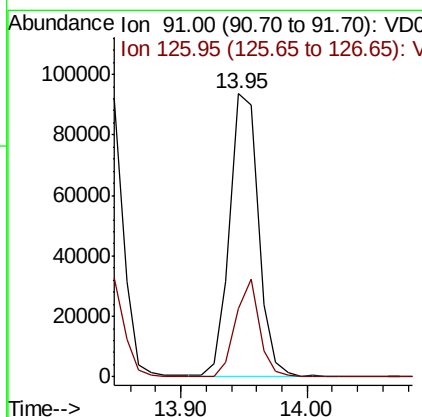
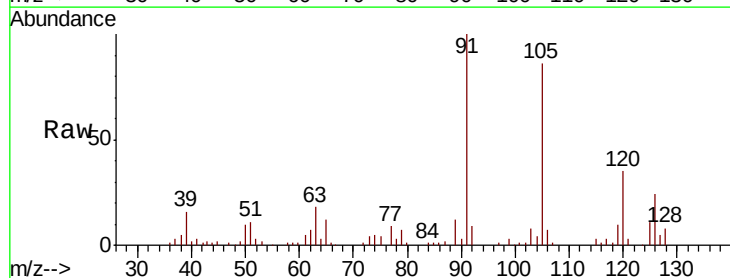
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

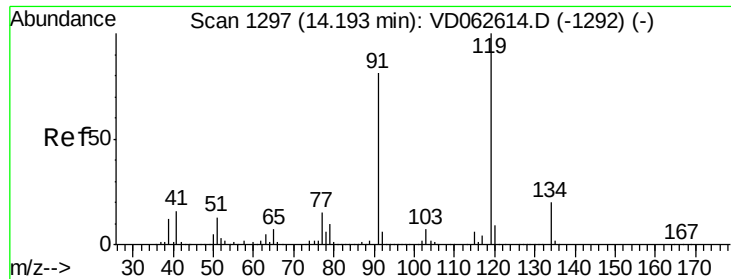
Tot Ion: 75 Resp: 8183
Ion Ratio Lower Upper
75 100
53 116.8 113.2 169.8
89 39.9 36.9 55.3



#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

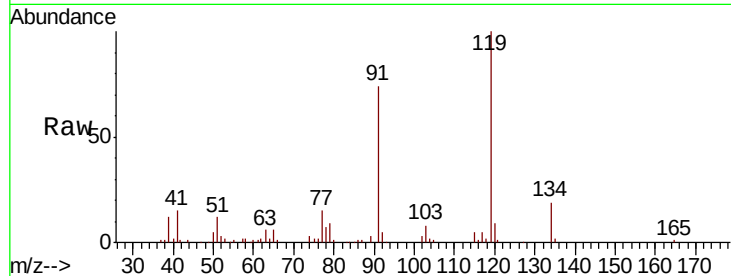
Tot Ion:119 Resp: 174465

Ion Ratio Lower Upper

119 100

91 73.8 40.8 122.2

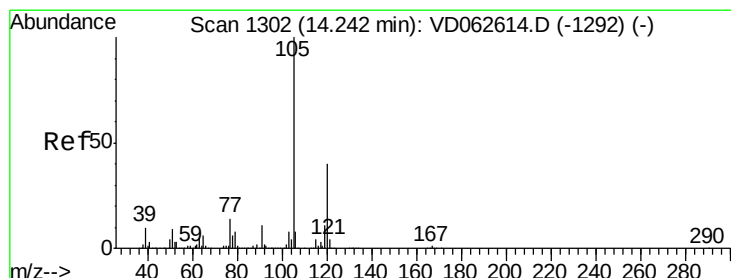
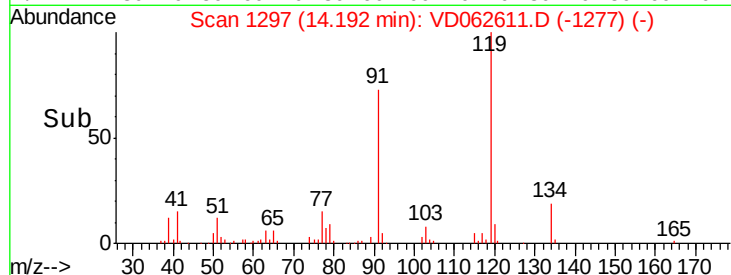
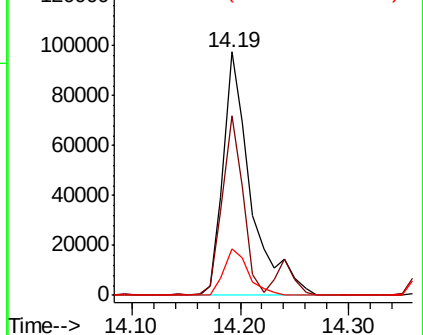
134 19.3 10.3 30.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#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

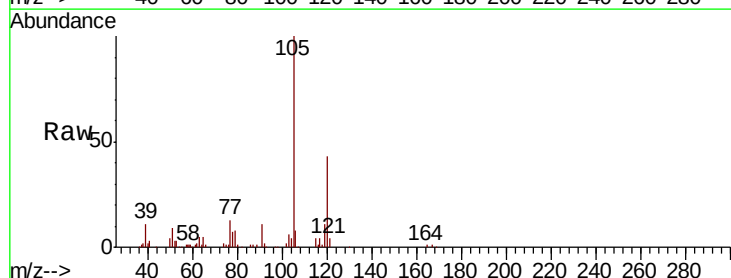
Acq: 5 Jun 2019 13:52

Tgt Ion:105 Resp: 157956

Ion Ratio Lower Upper

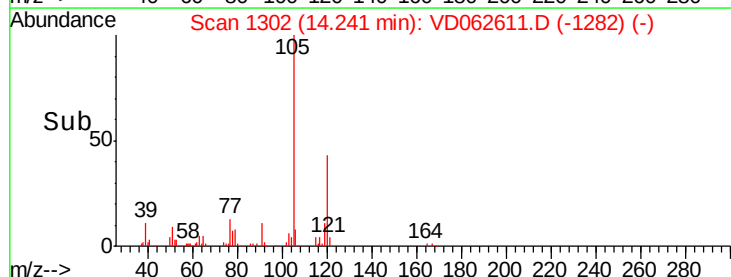
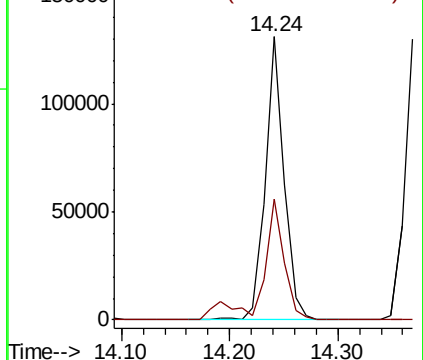
105 100

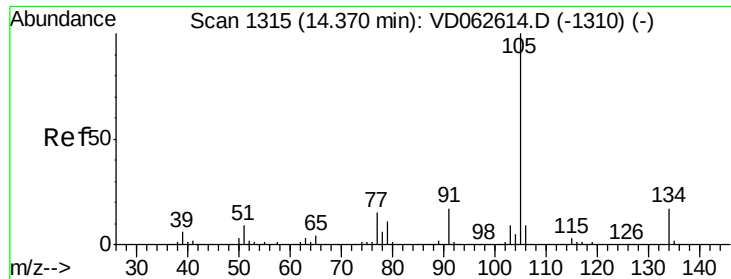
120 42.7 19.9 59.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

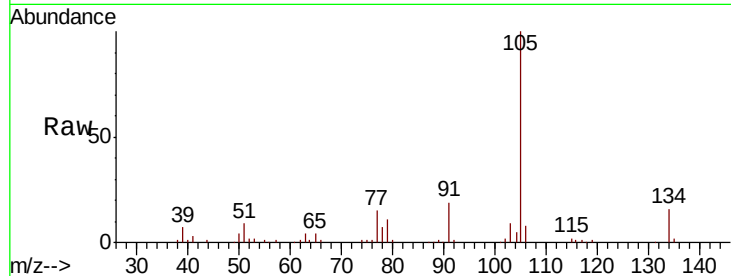




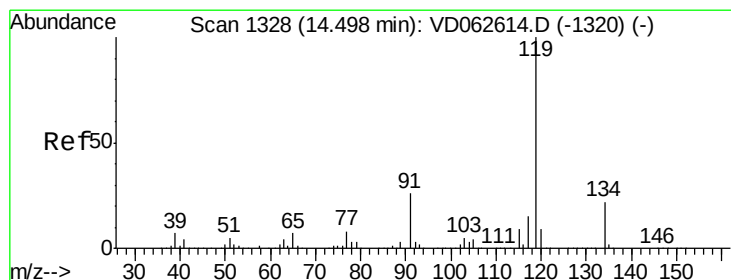
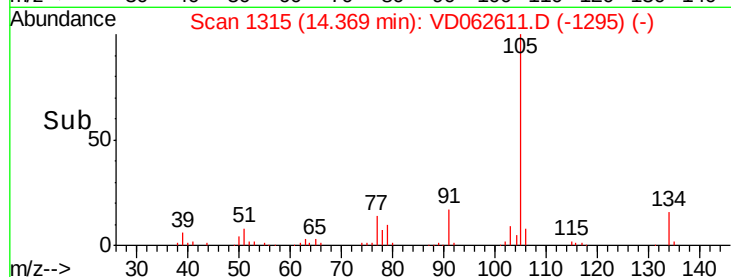
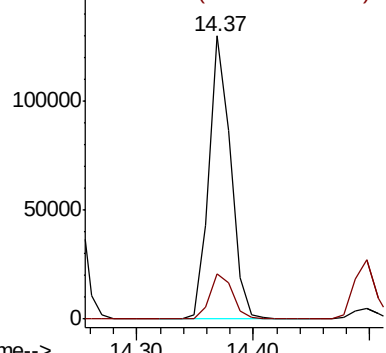
#85
 sec-Butylbenzene
 Concen: 5.123 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:105 Resp: 168963
 Ion Ratio Lower Upper
 105 100
 134 16.0 8.3 24.8

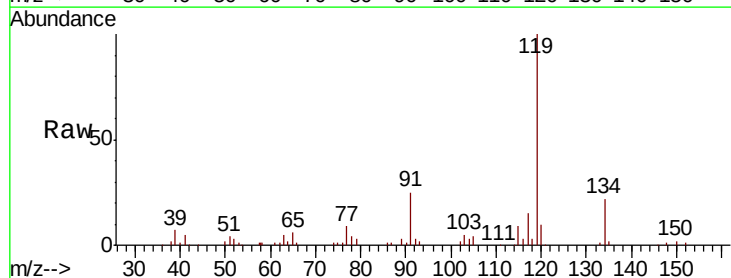


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

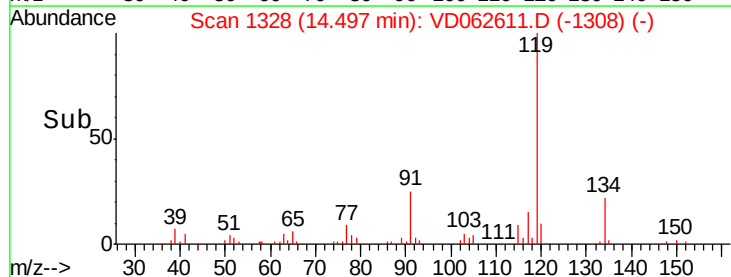
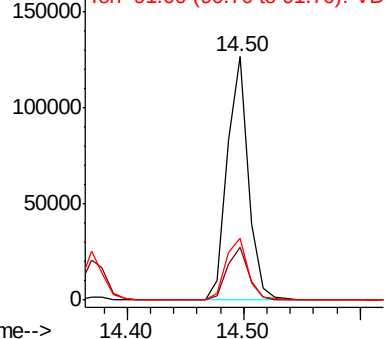


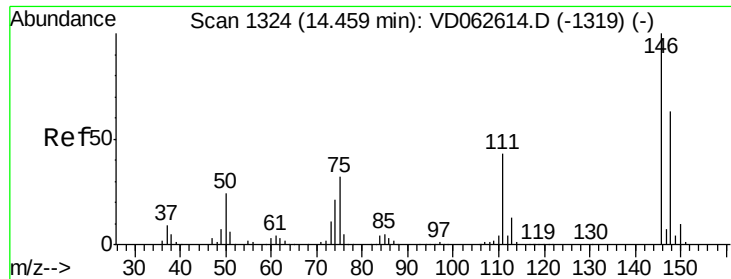
#86
 p-Isopropyltoluene
 Concen: 5.008 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

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

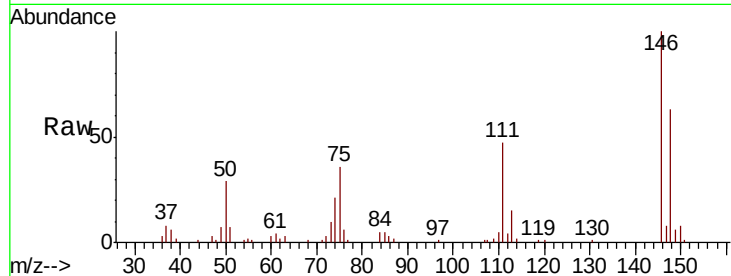




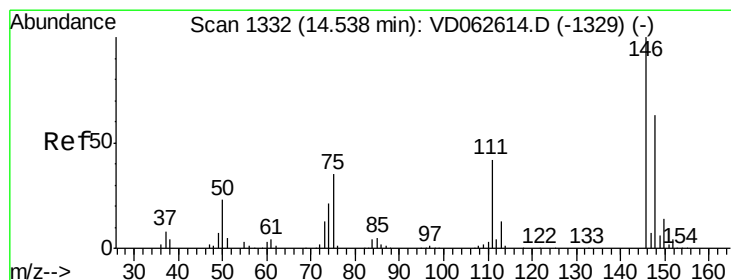
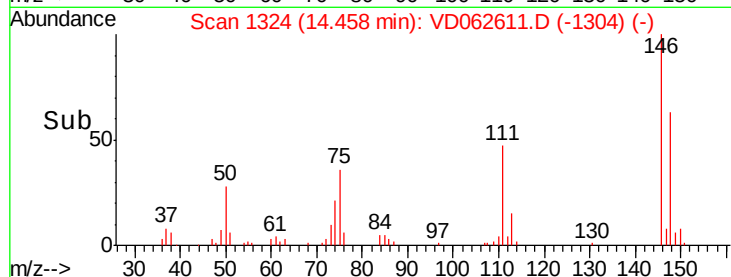
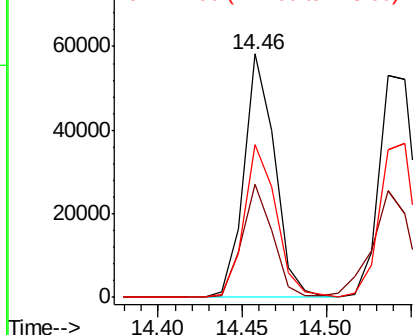
#87
 1,3-Dichlorobenzene
 Concen: 4.675 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

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

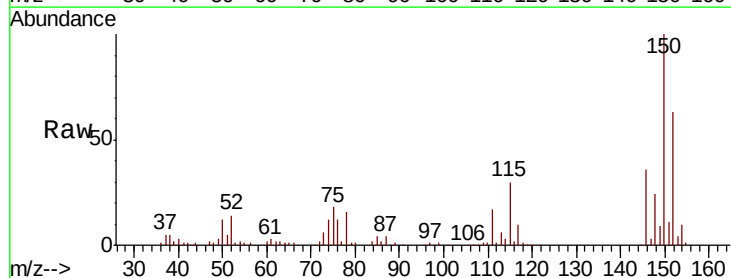


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

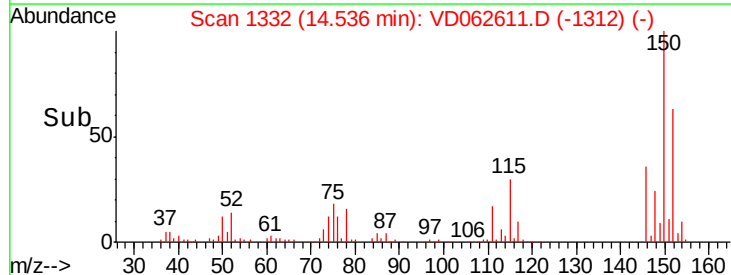
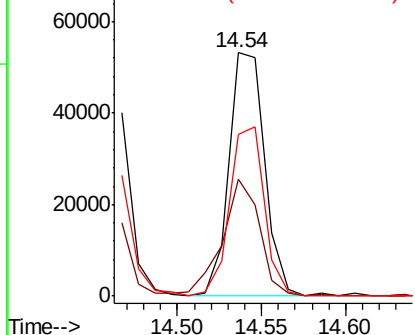


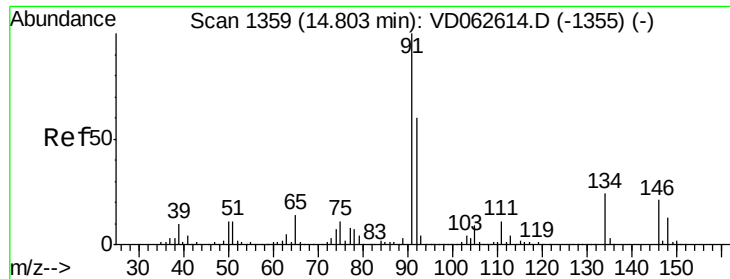
#88
 1,4-Dichlorobenzene
 Concen: 4.912 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

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

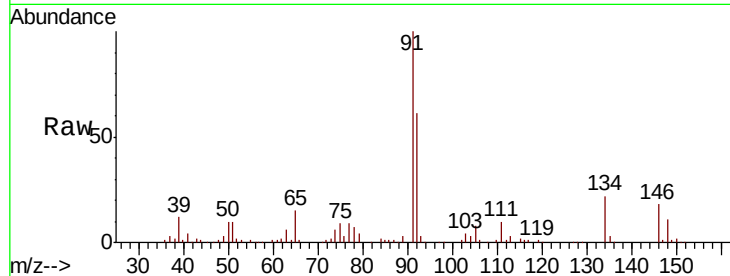




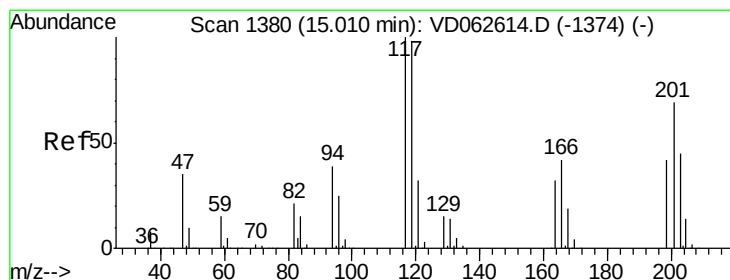
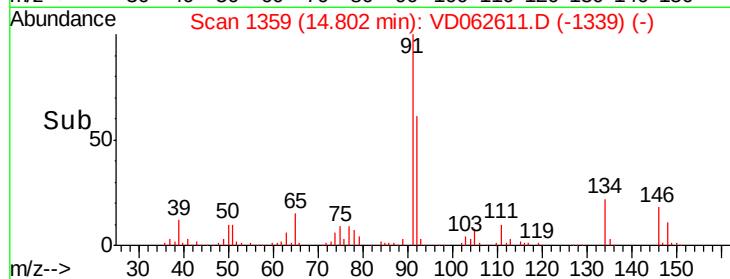
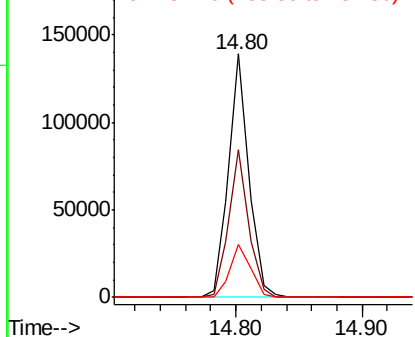
#89
n-Butylbenzene
Concen: 5.287 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

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

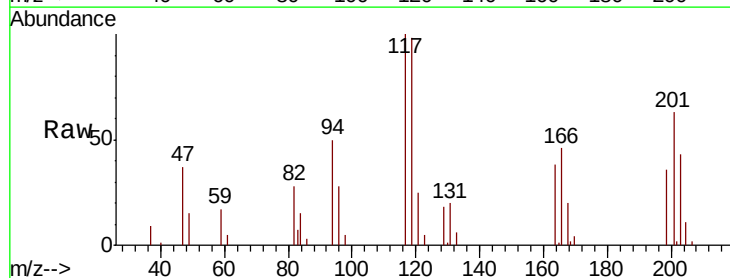


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

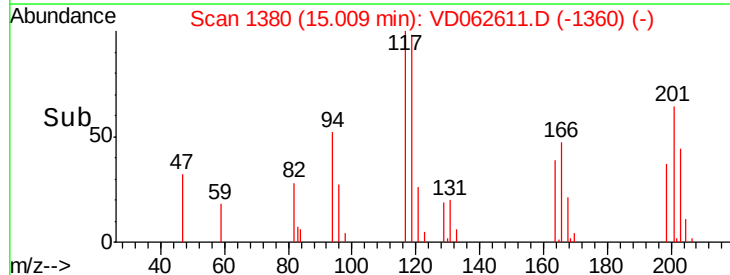
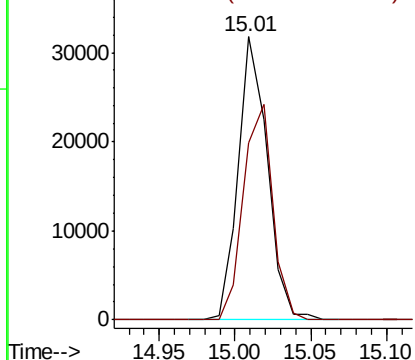


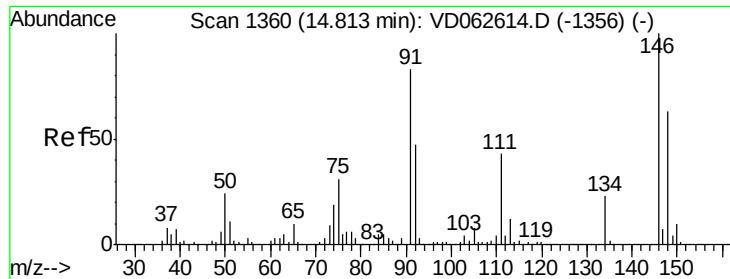
#90
Hexachloroethane
Concen: 5.080 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

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



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

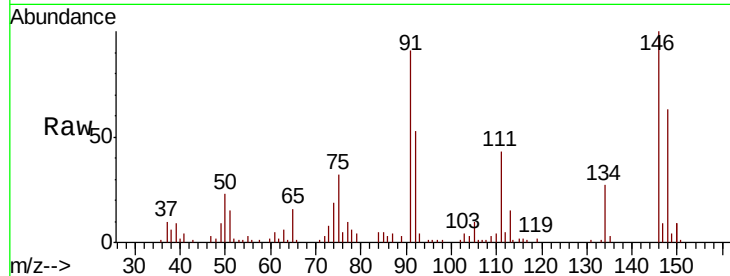




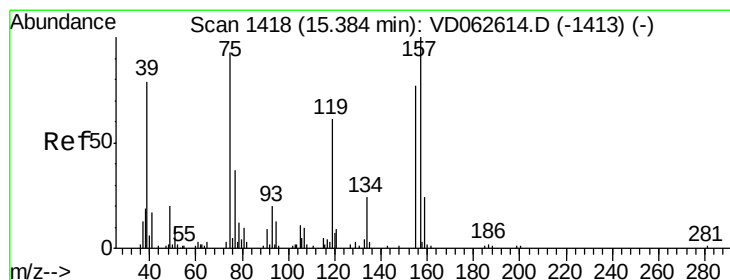
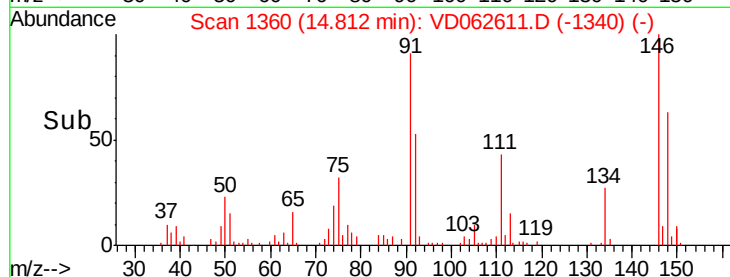
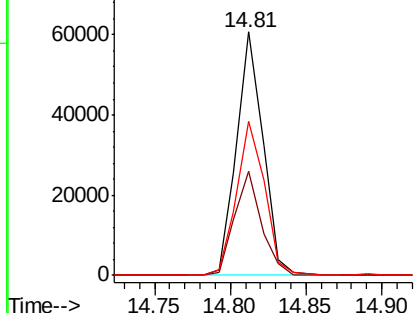
#91
 1,2-Dichlorobenzene
 Concen: 5.061 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

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

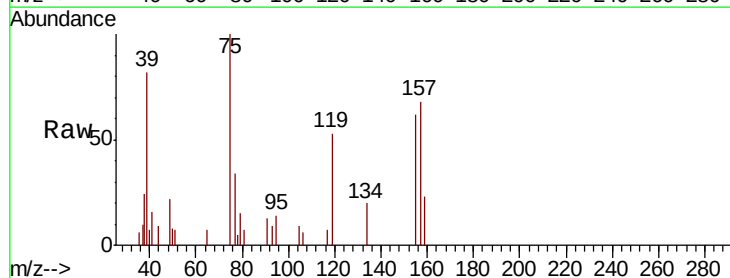


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

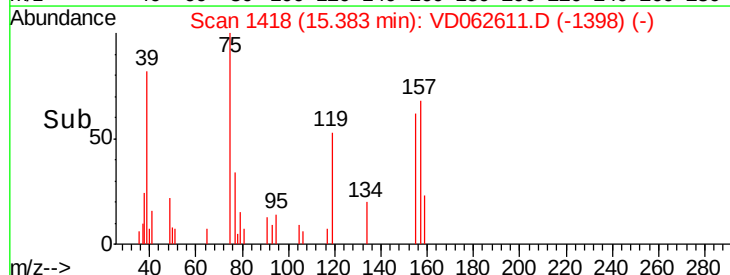
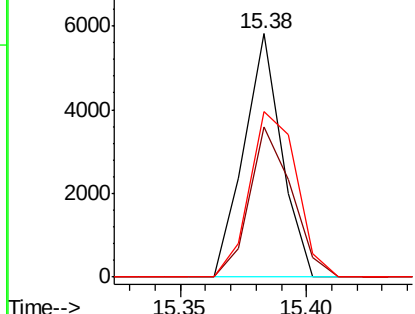


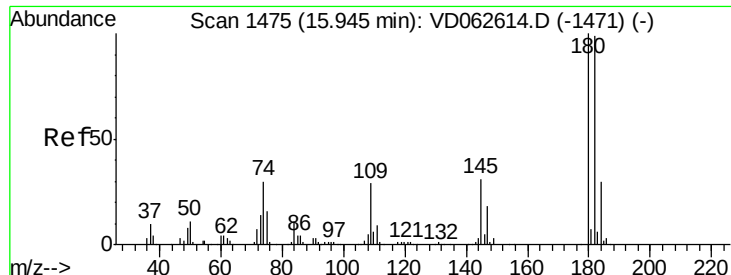
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.202 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

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

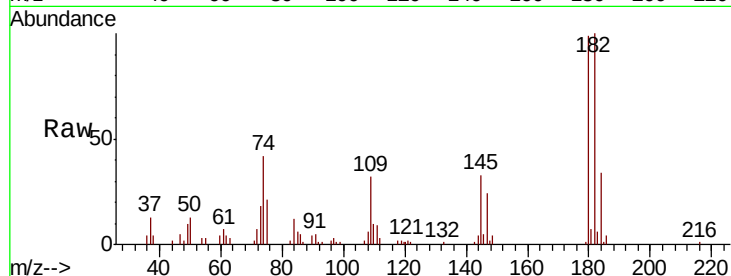




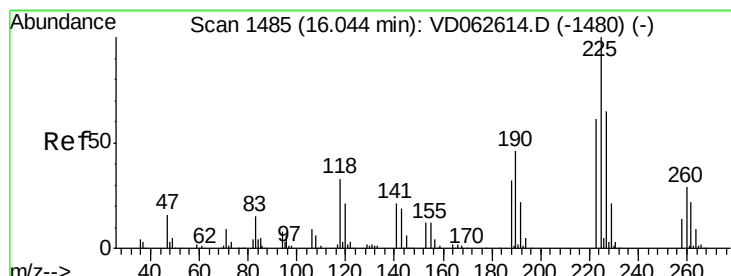
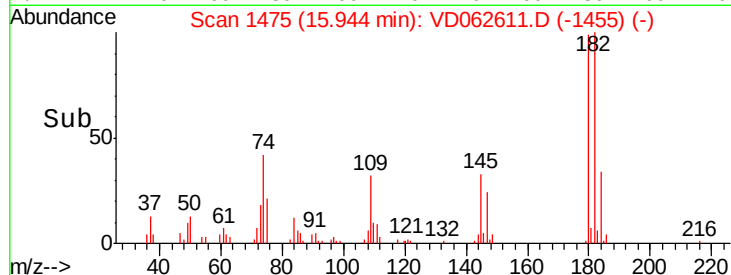
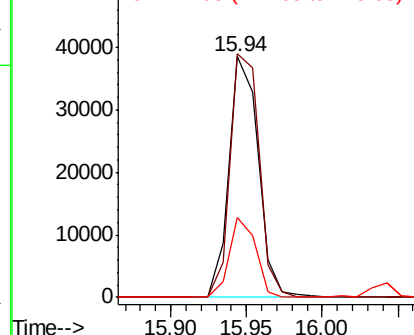
#93
 1,2,4-Trichlorobenzene
 Concen: 4.950 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

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

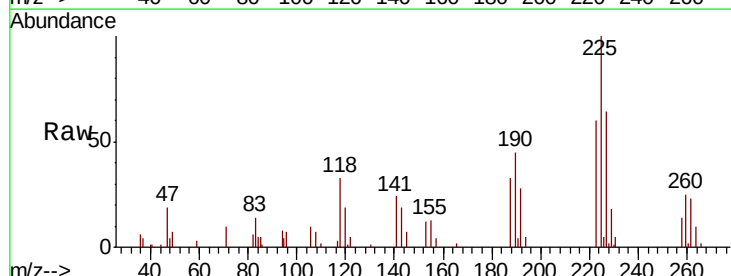


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

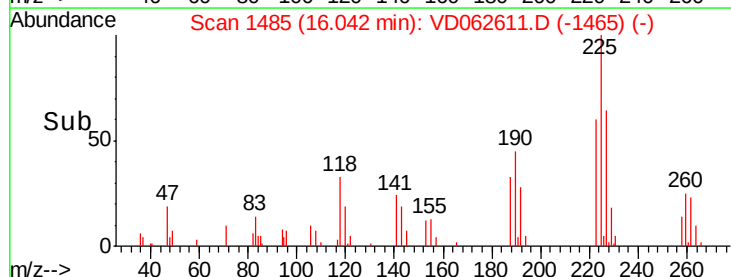
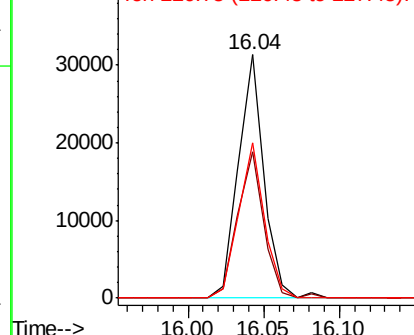


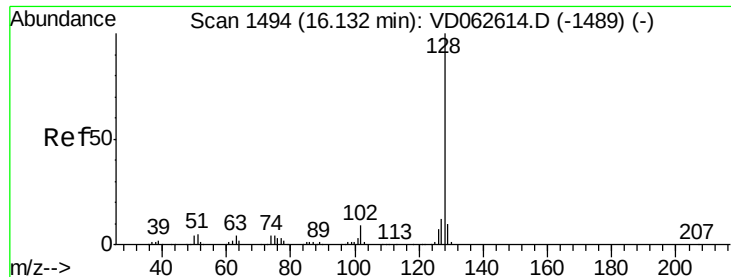
#94
 Hexachlorobutadiene
 Concen: 4.666 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062611.D
 Acq: 5 Jun 2019 13:52

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

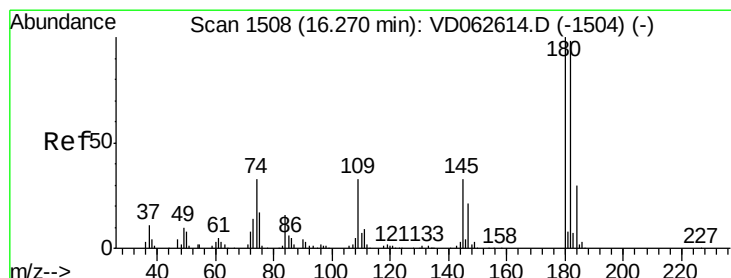
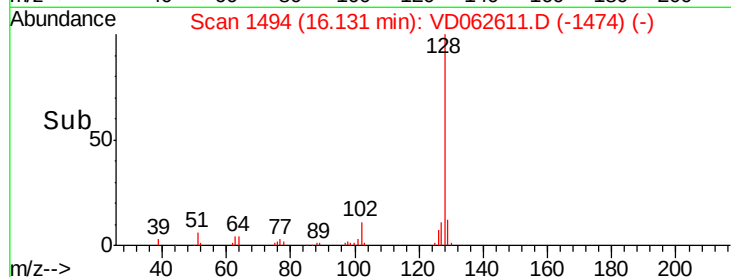
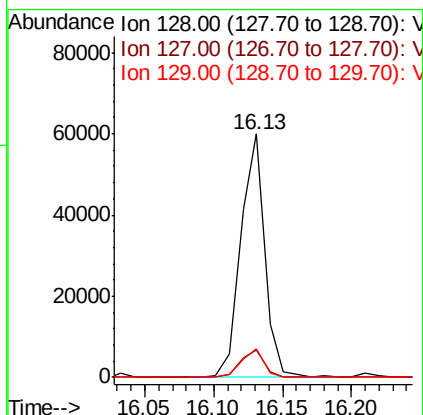
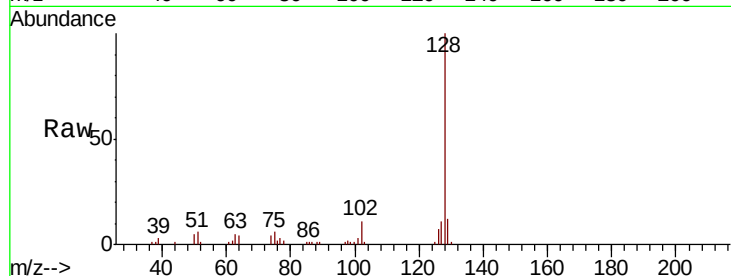




#95
Naphthalene
Concen: 4.857 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD062611.D
Acq: 5 Jun 2019 13:52

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

