

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062621.D
 Acq On : 6 Jun 2019 12:16
 Operator : FY/SY
 Sample : VD0605SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

Quant Time: Jun 07 03:35:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:42:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	813846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1065439	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	939337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	504980	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	554574	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
35) Dibromofluoromethane	6.94	113	559551	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
50) Toluene-d8	10.42	98	1140760	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	13.56	95	537813	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	213389	21.096	ug/l	95
3) Chloromethane	1.75	50	161811	20.587	ug/l	98
4) Vinyl Chloride	1.86	62	160978	20.888	ug/l	98
5) Bromomethane	2.15	94	72022	18.525	ug/l	93
6) Chloroethane	2.26	64	75165	19.337	ug/l	95
7) Trichlorofluoromethane	2.54	101	352039	20.474	ug/l	92
8) Diethyl Ether	2.88	74	45064	20.167	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	197221	20.402	ug/l	98
10) Methyl Iodide	3.31	142	258254	20.872	ug/l	96
11) Tert butyl alcohol	4.09	59	40174	80.419	ug/l #	90
12) 1,1-Dichloroethene	3.14	96	138194	19.485	ug/l	94
13) Acrolein	3.05	56	18544	104.973	ug/l	92
14) Allyl chloride	3.63	41	217475	20.142	ug/l	97
15) Acrylonitrile	4.22	53	103500	95.040	ug/l	94
16) Acetone	3.24	43	193399	96.462	ug/l	98
17) Carbon Disulfide	3.38	76	398064	19.264	ug/l #	94
18) Methyl Acetate	3.65	43	67797	19.019	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	342045	19.911	ug/l	99
20) Methylene Chloride	3.83	84	149681	19.182	ug/l	91
21) trans-1,2-Dichloroethene	4.23	96	149400	19.358	ug/l	92
22) Diisopropyl ether	5.15	45	435500	19.094	ug/l	94
23) Vinyl Acetate	5.08	43	1308153	94.103	ug/l	99
24) 1,1-Dichloroethane	5.00	63	286039	19.904	ug/l	98
25) 2-Butanone	6.09	43	187604	98.505	ug/l	96
26) 2,2-Dichloropropane	6.04	77	314974	20.062	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	155679	18.706	ug/l	100
28) Bromochloromethane	6.46	49	87973	16.180	ug/l	95
29) Tetrahydrofuran	6.47	42	83136	94.035	ug/l	95
30) Chloroform	6.68	83	361954	20.251	ug/l	94
31) Cyclohexane	6.97	56	182157	19.828	ug/l #	85
32) 1,1,1-Trichloroethane	6.89	97	369062	20.399	ug/l	97
36) 1,1-Dichloropropene	7.16	75	248837	21.723	ug/l	97
37) Ethyl Acetate	6.20	43	107503	23.256	ug/l #	91
38) Carbon Tetrachloride	7.12	117	375691m	21.851	ug/l	

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Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	191935	19.597	ug/l	94
40) Benzene	7.47	78	451368	19.950	ug/l	99
41) Methacrylonitrile	6.47	41	116845	19.519	ug/l #	91
42) 1,2-Dichloroethane	7.60	62	270303	20.298	ug/l	98
43) Isopropyl Acetate	9.26	43	123703	19.470	ug/l #	96
44) Trichloroethene	8.55	130	190303	20.742	ug/l	96
45) 1,2-Dichloropropane	8.96	63	114098	20.140	ug/l #	80
46) Dibromomethane	9.08	93	97651	19.813	ug/l	97
47) Bromodichloromethane	9.39	83	266161	20.049	ug/l	96
48) Methyl methacrylate	9.13	41	88369	20.451	ug/l	92
49) 1,4-Dioxane	9.09	88	14558	424.525	ug/l	95
51) 4-Methyl-2-Pentanone	10.31	43	431197	104.228	ug/l	99
52) Toluene	10.52	92	299233	19.940	ug/l	89
53) t-1,3-Dichloropropene	10.92	75	225222	20.432	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	234068	20.853	ug/l	94
55) 1,1,2-Trichloroethane	11.20	97	103332	20.071	ug/l	98
56) Ethyl methacrylate	11.05	69	117232	20.431	ug/l	91
57) 1,3-Dichloropropane	11.42	76	165284	20.563	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	287676	97.753	ug/l	97
59) 2-Hexanone	11.54	43	320222	102.082	ug/l	98
60) Dibromochloromethane	11.69	129	209387	20.814	ug/l	85
61) 1,2-Dibromoethane	11.82	107	124982	19.821	ug/l	97
64) Tetrachloroethene	11.27	164	168350	19.845	ug/l	99
65) Chlorobenzene	12.41	112	376454	19.287	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	185958	19.819	ug/l	99
67) Ethyl Benzene	12.53	91	699907	19.840	ug/l	99
68) m/p-Xylenes	12.68	106	482278	39.192	ug/l	98
69) o-Xylene	13.06	106	239377	20.189	ug/l	90
70) Styrene	13.08	104	405979	20.382	ug/l	99
71) Bromoform	13.24	173	120255	18.557	ug/l	100
73) Isopropylbenzene	13.41	105	760260	21.652	ug/l	97
74) N-amyl acetate	13.28	43	175808	19.391	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	107396	18.246	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	129803	19.705	ug/l	96
77) Bromobenzene	13.68	156	198657	20.340	ug/l	79
78) n-propylbenzene	13.78	91	817721	20.081	ug/l	97
79) 2-Chlorotoluene	13.85	91	490765	19.879	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	642860	21.274	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	35103	20.731	ug/l	92
82) 4-Chlorotoluene	13.96	91	572965	19.722	ug/l	98
83) tert-Butylbenzene	14.19	119	725598	21.806	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	623058	20.144	ug/l	98
85) sec-Butylbenzene	14.37	105	708031	20.651	ug/l	96
86) p-Isopropyltoluene	14.50	119	660199	20.029	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	345567	21.082	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	342565	20.635	ug/l	96
89) n-Butylbenzene	14.80	91	636611	20.771	ug/l	98
90) Hexachloroethane	15.02	117	182859	21.078	ug/l	78
91) 1,2-Dichlorobenzene	14.81	146	309055	20.419	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23482	19.503	ug/l	83

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Instrument :
MSVOA_D
ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Jun 06 05:42:40 2019
Response via : Initial Calibration

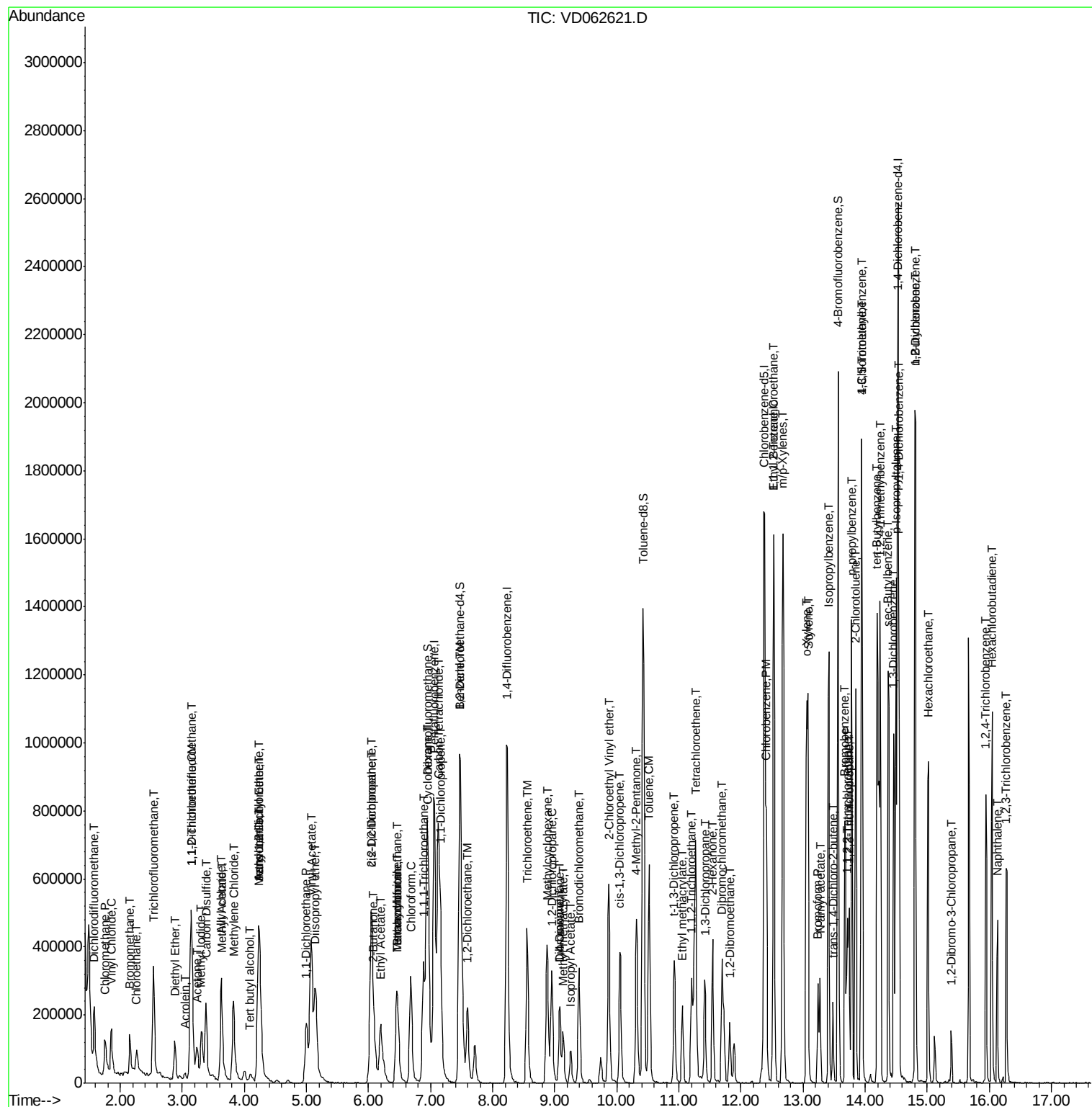
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	208428	19.165	ug/l	97
94) Hexachlorobutadiene	16.04	225	180430	22.119	ug/l	98
95) Naphthalene	16.13	128	287183	18.441	ug/l	97
96) 1,2,3-Trichlorobenzene	16.28	180	175662	21.123	ug/l	96

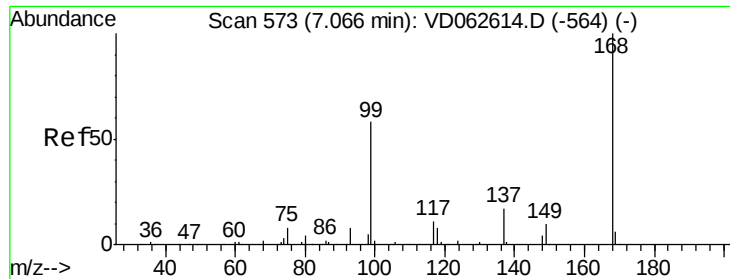
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 06 05:42:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.00 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

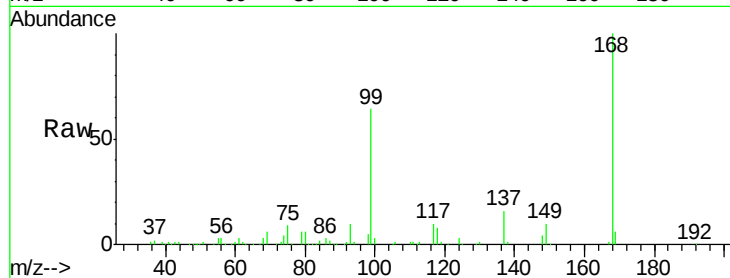
VD0605SBS01

Tot Ion:168 Resp: 813846

Ion Ratio Lower Upper

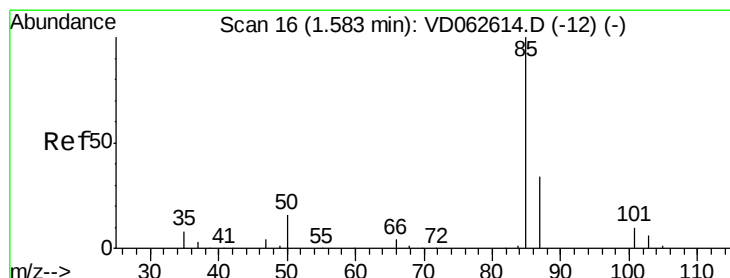
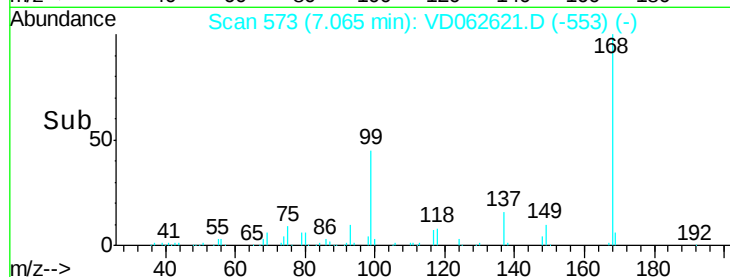
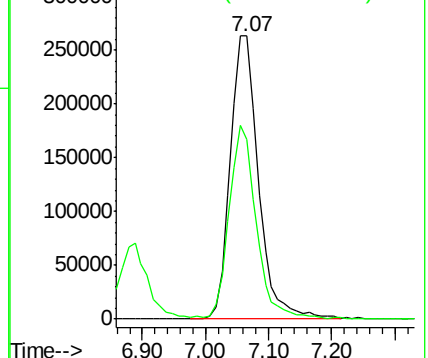
168 100

99 63.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.096 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD062621.D

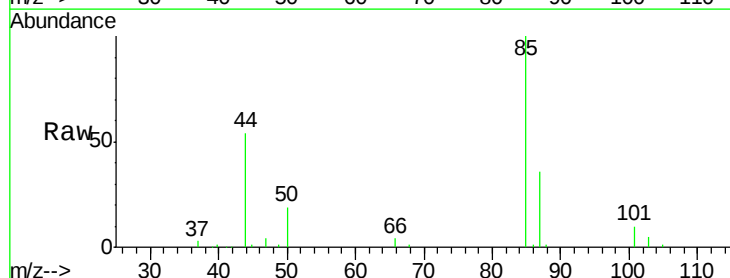
Acq: 6 Jun 2019 12:16

Tgt Ion: 85 Resp: 213389

Ion Ratio Lower Upper

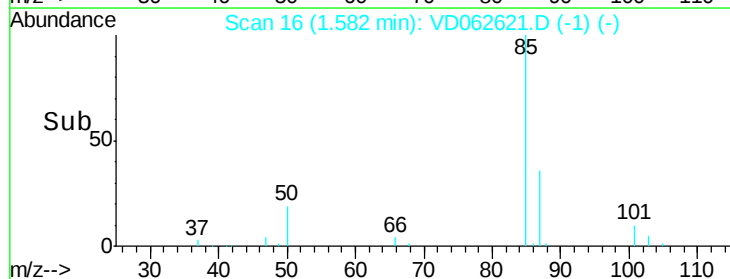
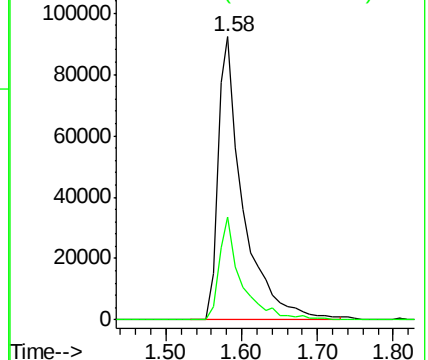
85 100

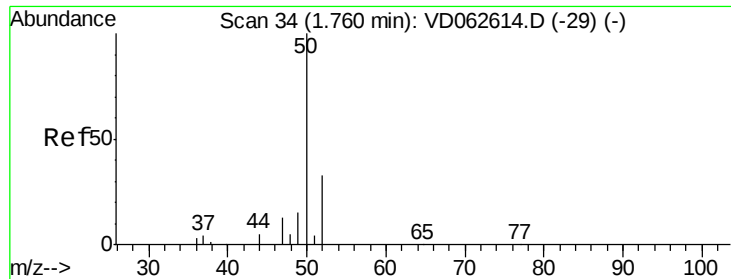
87 36.5 16.9 50.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.587 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

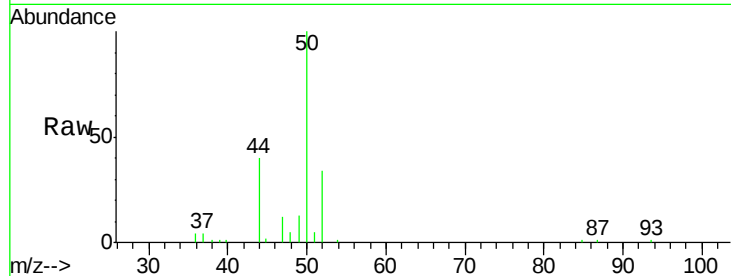
VD0605SBS01

Tot Ion: 50 Resp: 161811

Ion Ratio Lower Upper

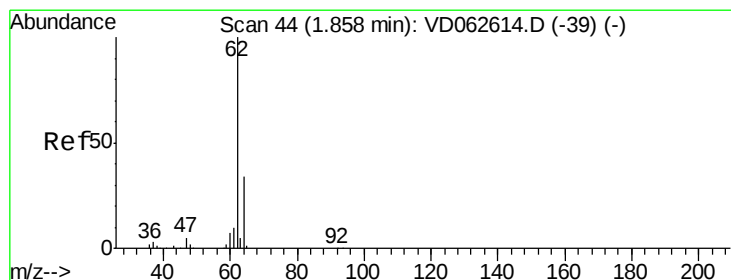
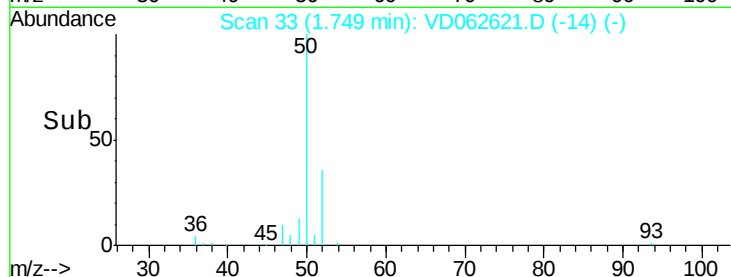
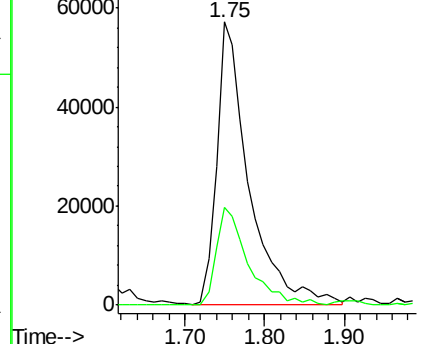
50 100

52 34.5 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: 20.888 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD062621.D

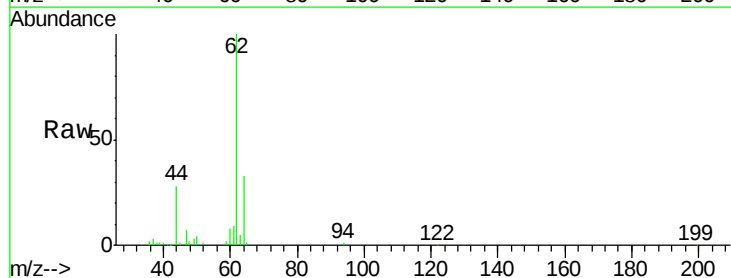
Acq: 6 Jun 2019 12:16

Tgt Ion: 62 Resp: 160978

Ion Ratio Lower Upper

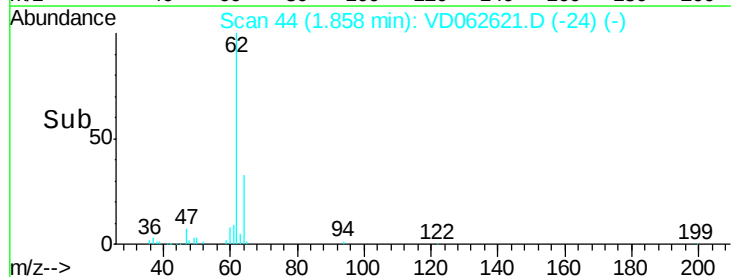
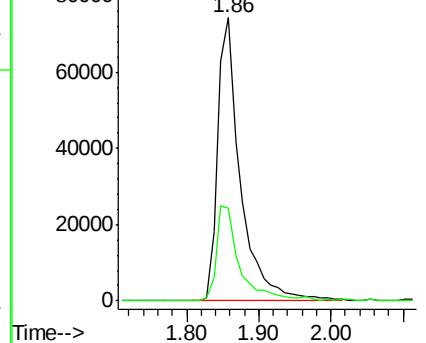
62 100

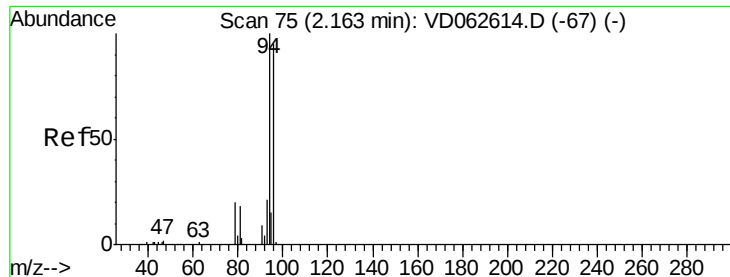
64 32.9 27.2 40.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.525 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBS01

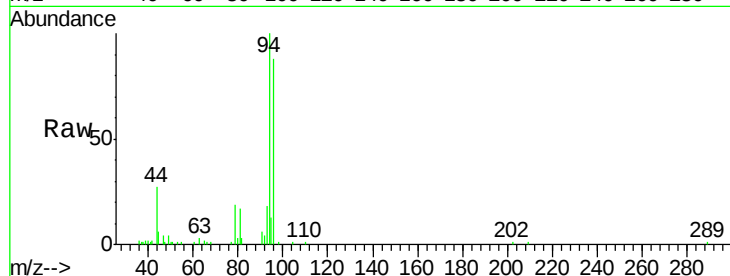
Tot Ion: 94 Resp: 72022

Ion Ratio Lower Upper

94 100

96 88.4 75.8 113.8

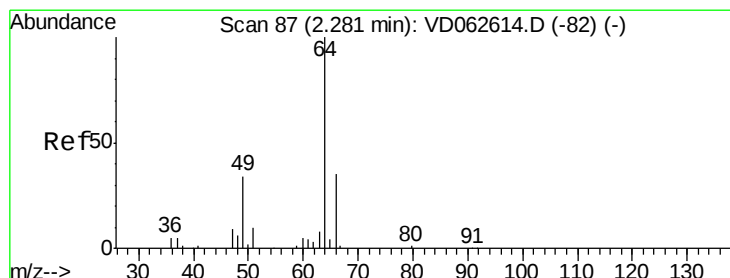
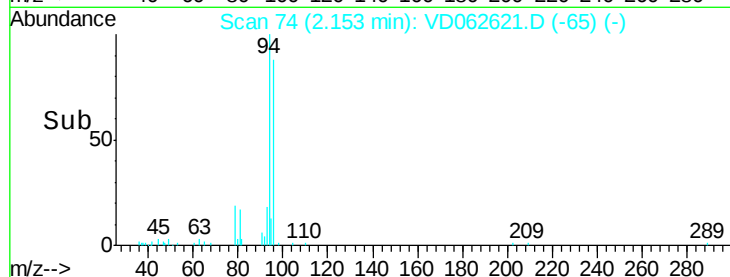
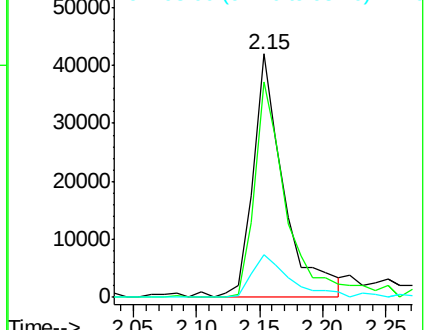
93 17.5 16.6 25.0



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: 19.337 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD062621.D

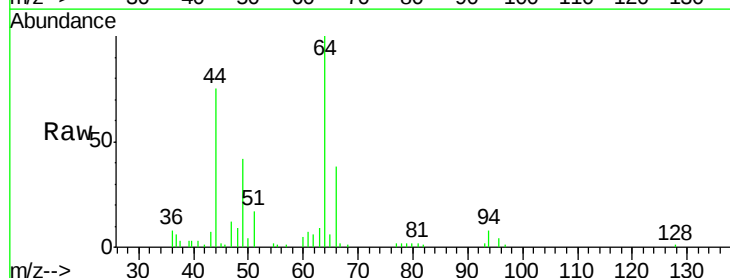
Acq: 6 Jun 2019 12:16

Tgt Ion: 64 Resp: 75165

Ion Ratio Lower Upper

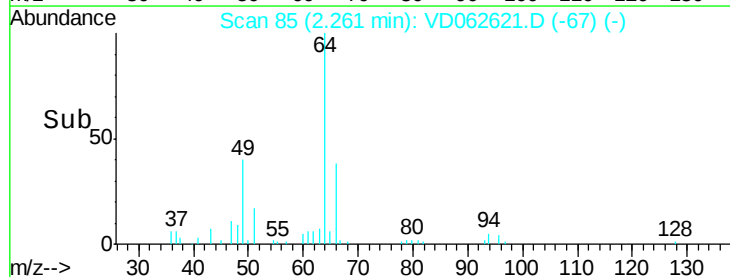
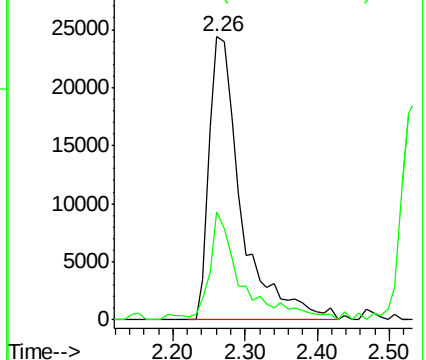
64 100

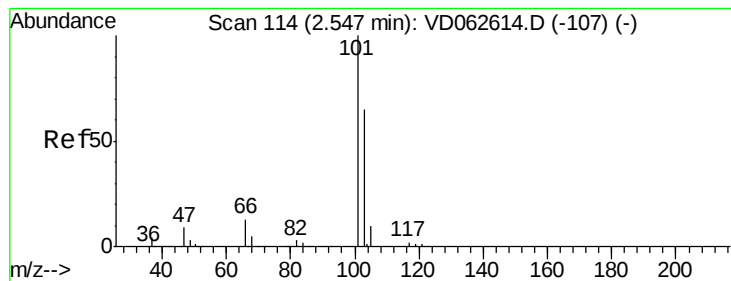
66 38.2 28.4 42.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



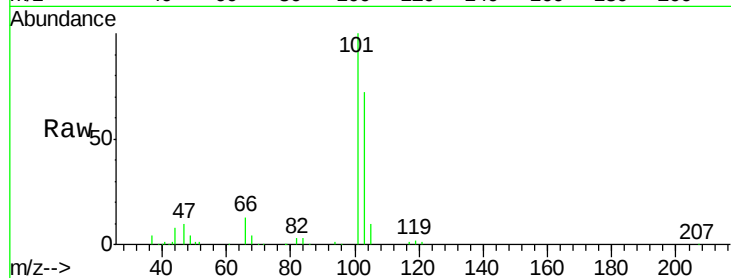


#7

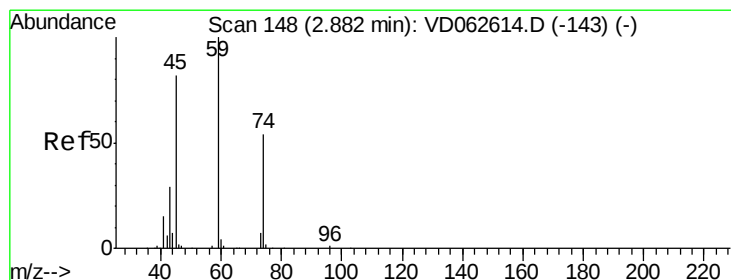
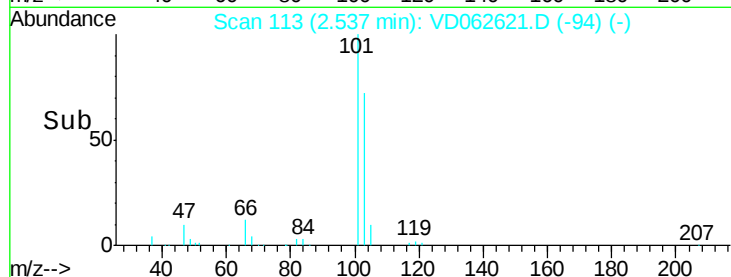
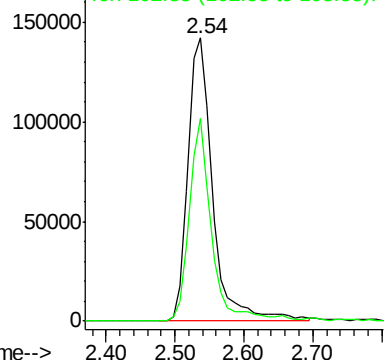
Trichlorofluoromethane
 Concen: 20.474 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

Tot Ion:101 Resp: 352039
 Ion Ratio Lower Upper
 101 100
 103 71.6 52.1 78.1



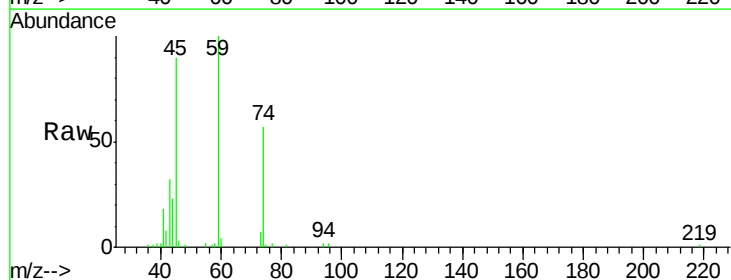
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



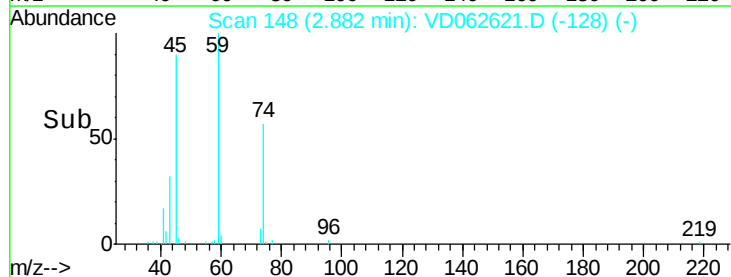
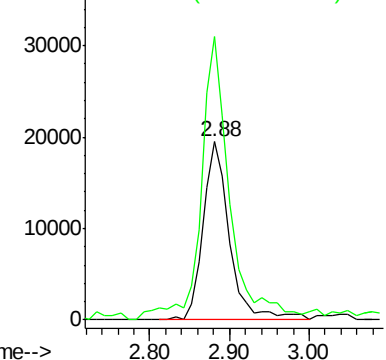
#8

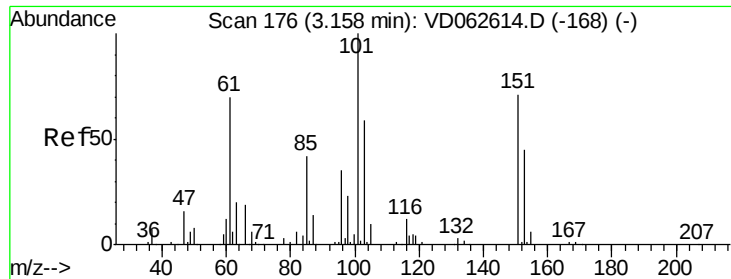
Diethyl Ether
 Concen: 20.167 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Tgt Ion: 74 Resp: 45064
 Ion Ratio Lower Upper
 74 100
 45 158.8 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: 20.402 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBS01

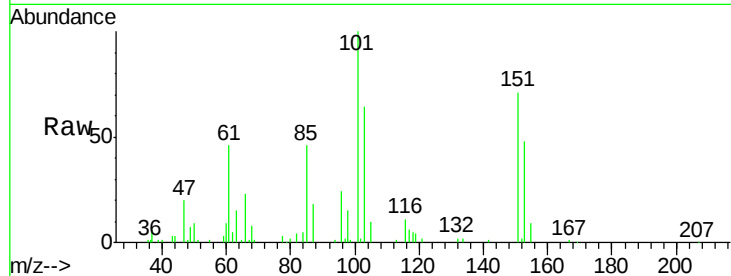
Tot Ion:101 Resp: 197221

Ion Ratio Lower Upper

101 100

85 45.5 33.8 50.6

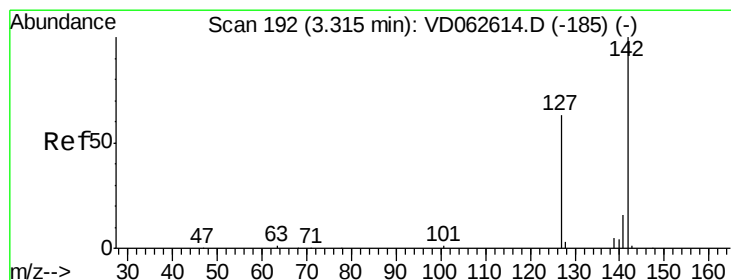
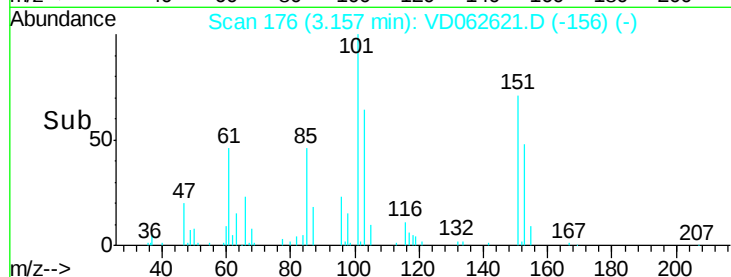
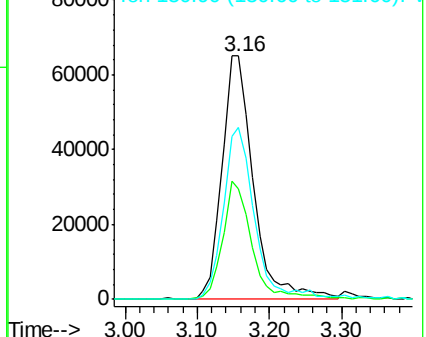
151 70.5 56.8 85.2



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: 20.872 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.00 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

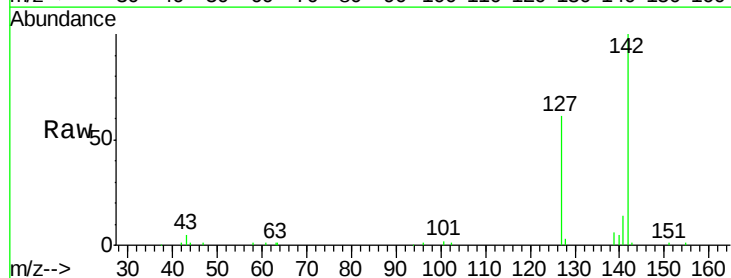
Tgt Ion:142 Resp: 258254

Ion Ratio Lower Upper

142 100

127 60.8 50.7 76.1

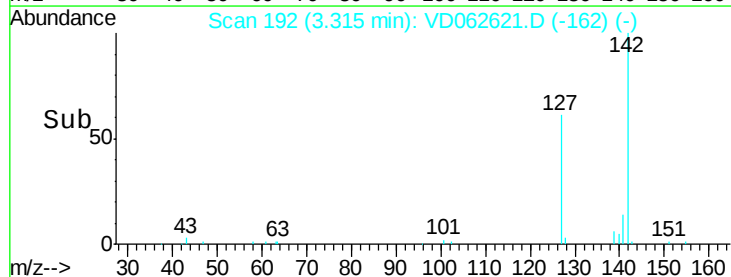
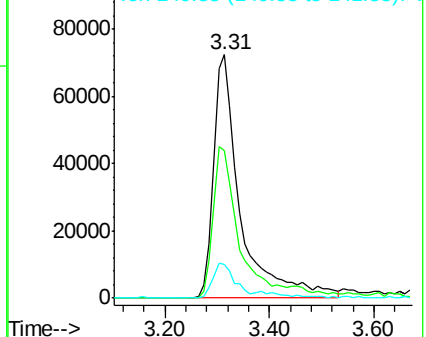
141 14.1 12.9 19.3

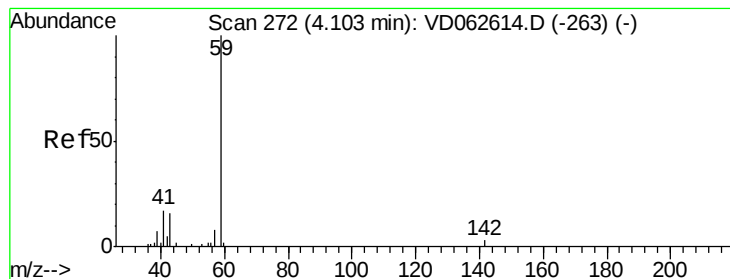


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



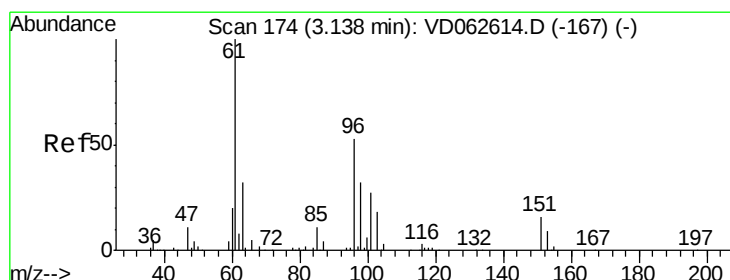
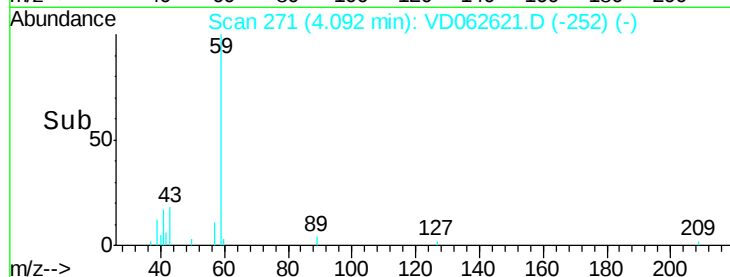
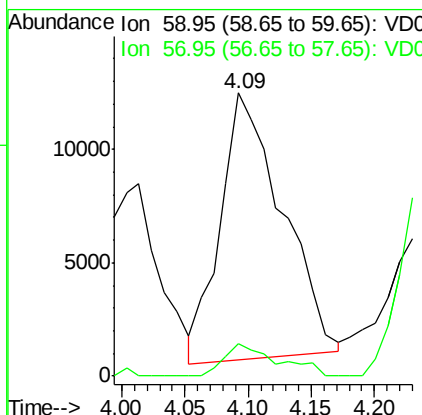
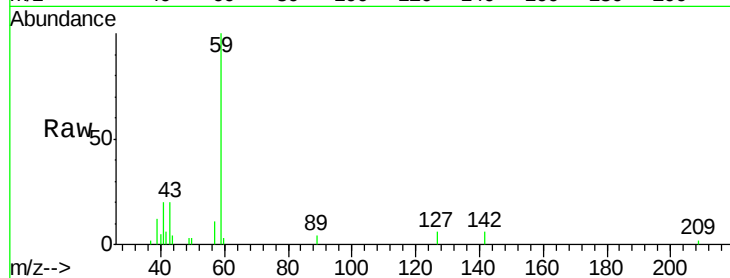


#11

Tert butyl alcohol
Concen: 80.419 ug/l
RT: 4.09 min Scan# 271
Delta R.T. -0.01 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

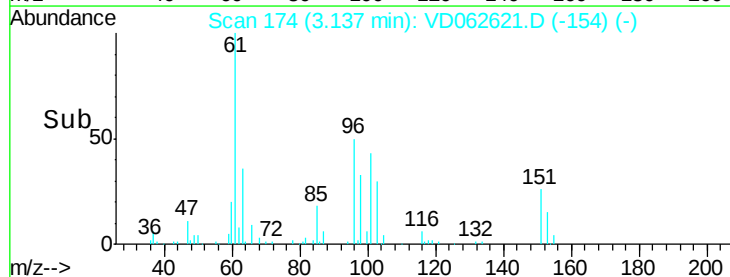
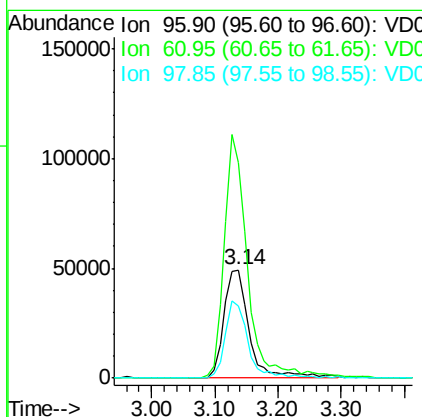
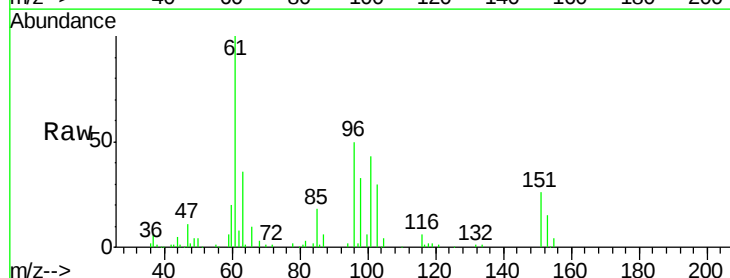
Tot Ion: 59 Resp: 40174
Ion Ratio Lower Upper
59 100
57 11.4 6.4 9.6#

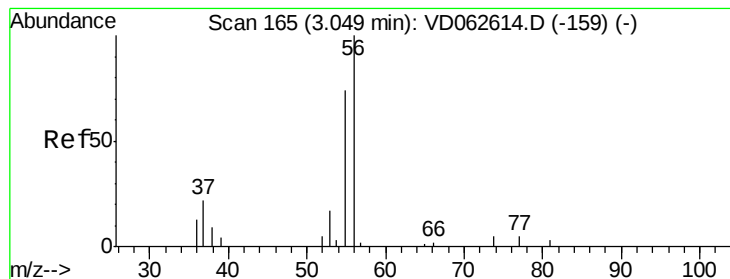


#12

1,1-Dichloroethene
Concen: 19.485 ug/l
RT: 3.14 min Scan# 174
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion: 96 Resp: 138194
Ion Ratio Lower Upper
96 100
61 198.1 151.3 226.9
98 66.0 48.6 72.8





#13

Acrolein

Concen: 104.973 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

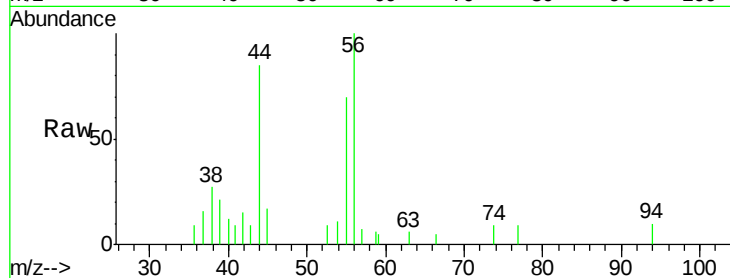
VD0605SBS01

Tot Ion: 56 Resp: 18544

Ion Ratio Lower Upper

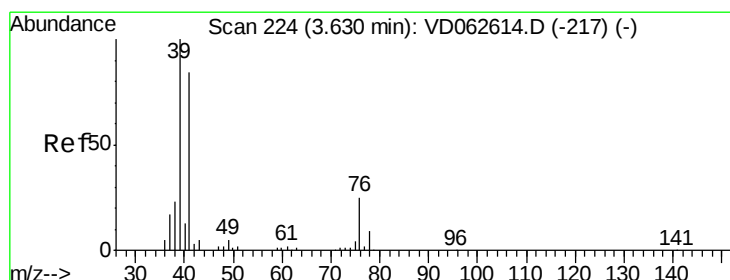
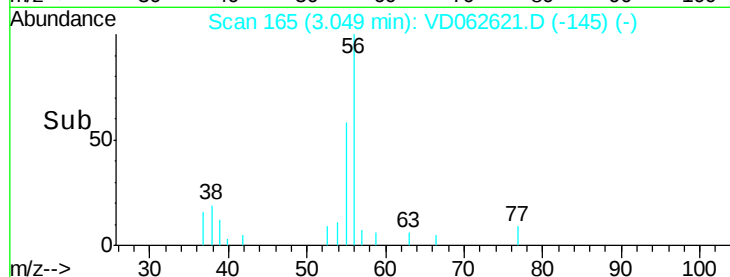
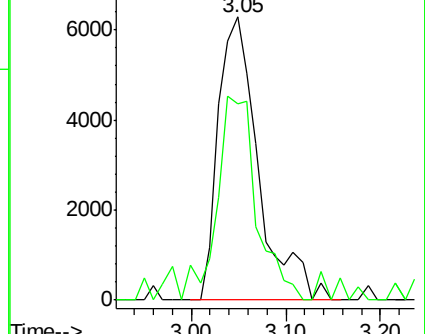
56 100

55 69.5 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: 20.142 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

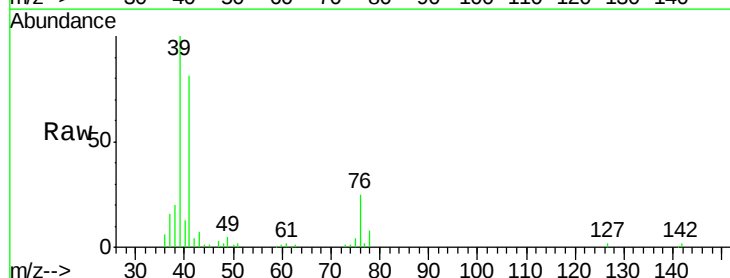
Tgt Ion: 41 Resp: 217475

Ion Ratio Lower Upper

41 100

39 122.9 95.5 143.3

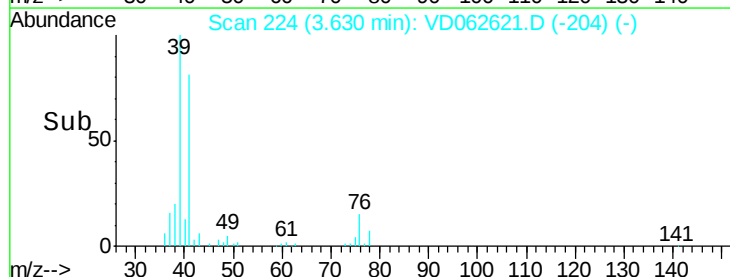
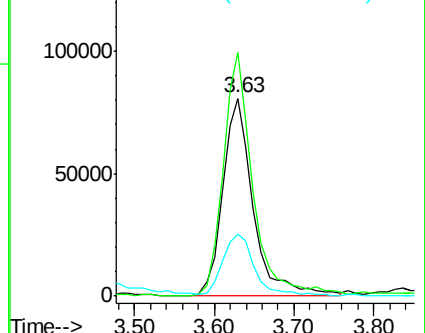
76 30.9 25.4 38.0

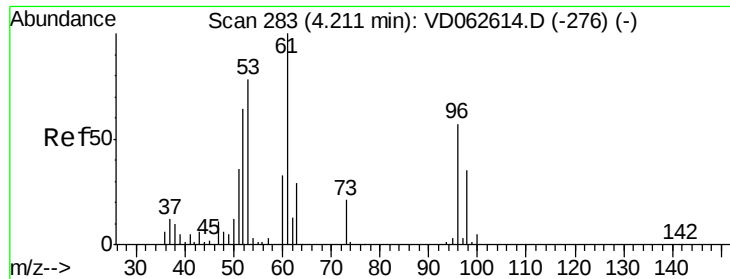


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 95.040 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBS01

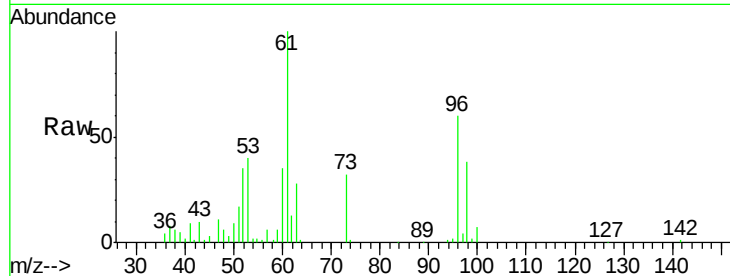
Tot Ion: 53 Resp: 103500

Ion Ratio Lower Upper

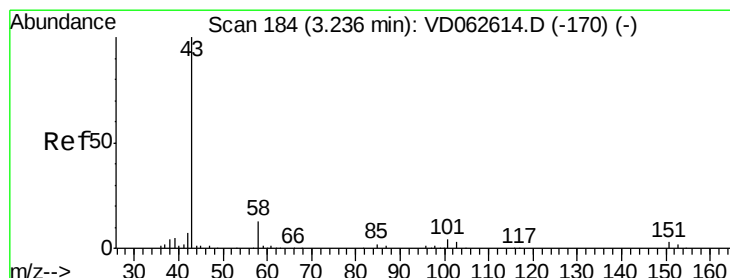
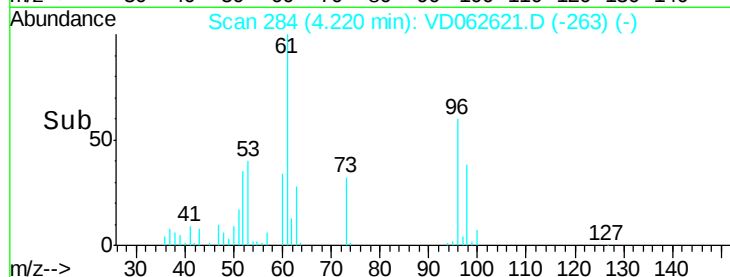
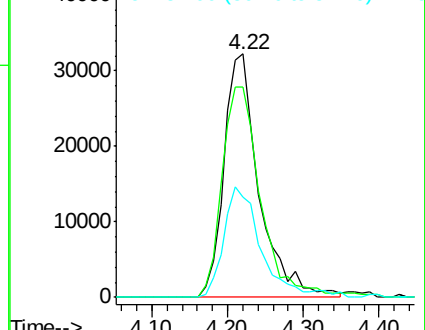
53 100

52 86.5 65.8 98.6

51 41.1 36.9 55.3



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 96.462 ug/l

RT: 3.24 min Scan# 184

Delta R.T. -0.00 min

Lab File: VD062621.D

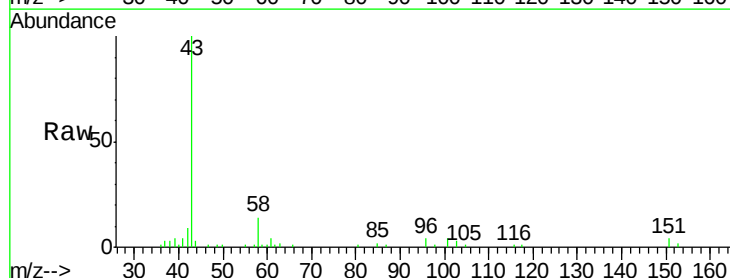
Acq: 6 Jun 2019 12:16

Tgt Ion: 43 Resp: 193399

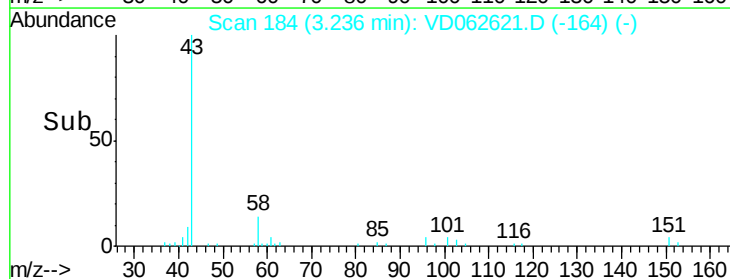
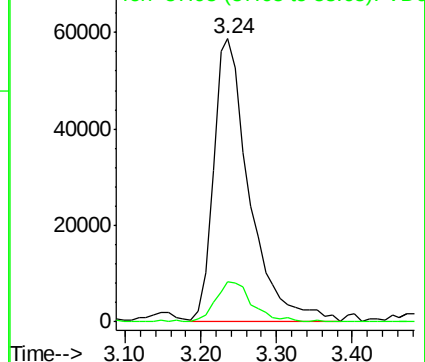
Ion Ratio Lower Upper

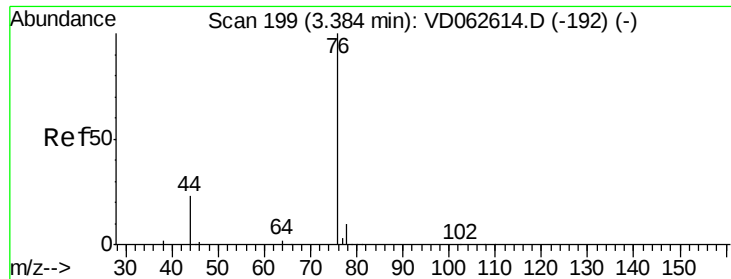
43 100

58 14.3 10.7 16.1



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

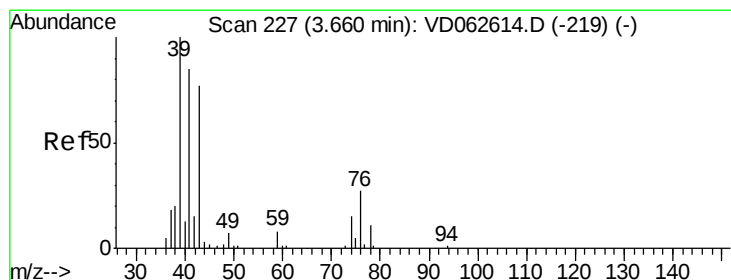
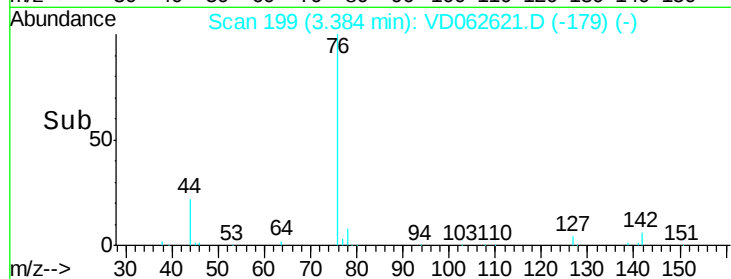
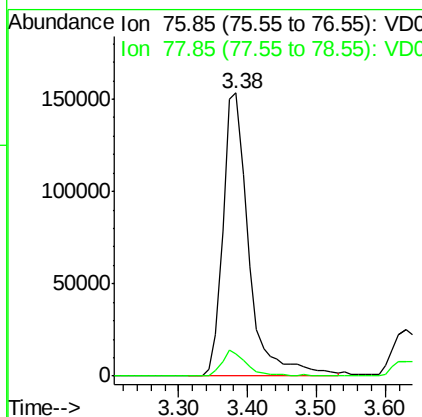
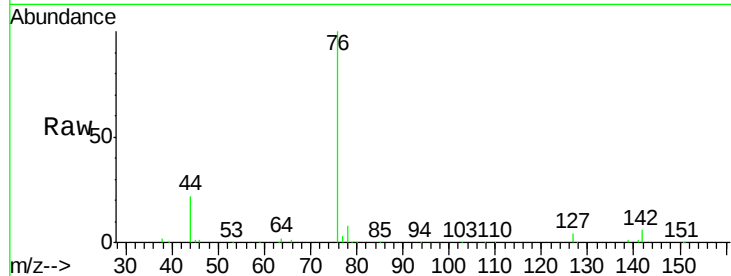




#17
Carbon Disulfide
Concen: 19.264 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

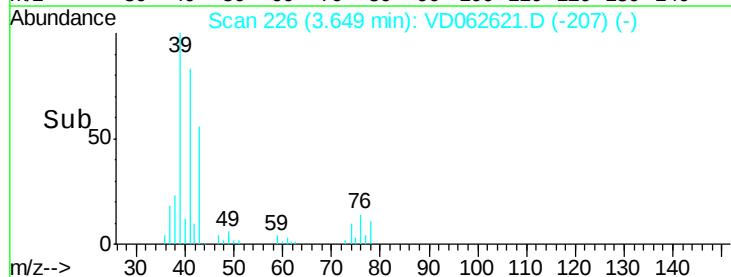
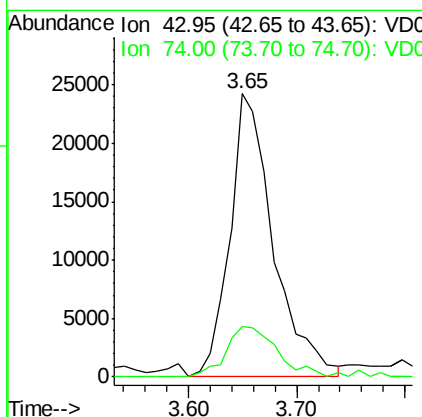
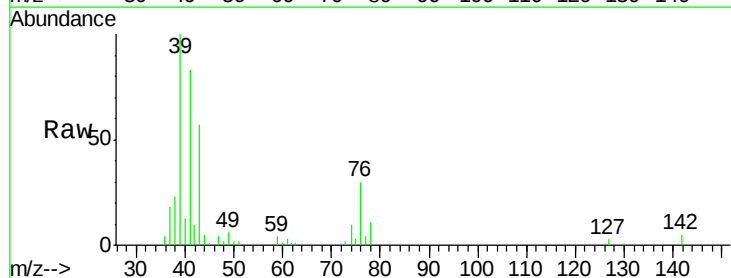
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

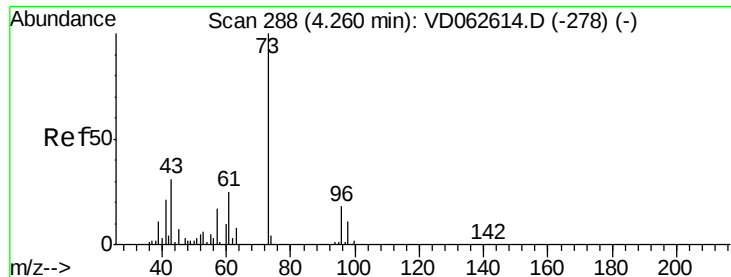
Tot Ion: 76 Resp: 398064
Ion Ratio Lower Upper
76 100
78 8.0 8.1 12.1#



#18
Methyl Acetate
Concen: 19.019 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.01 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion: 43 Resp: 67797
Ion Ratio Lower Upper
43 100
74 18.0 15.5 23.3

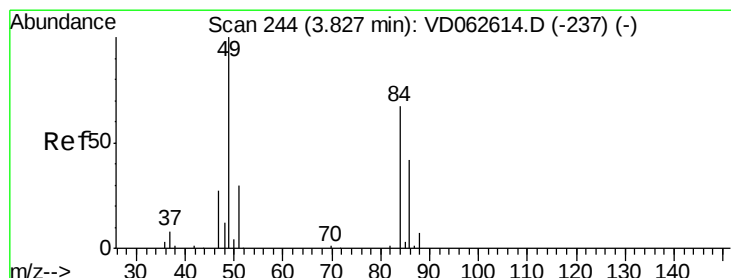
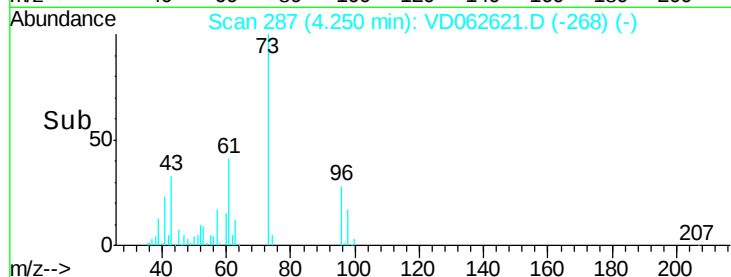
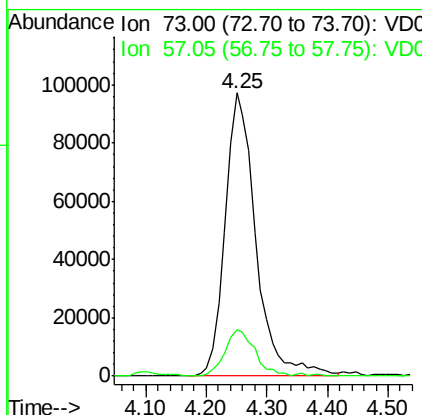
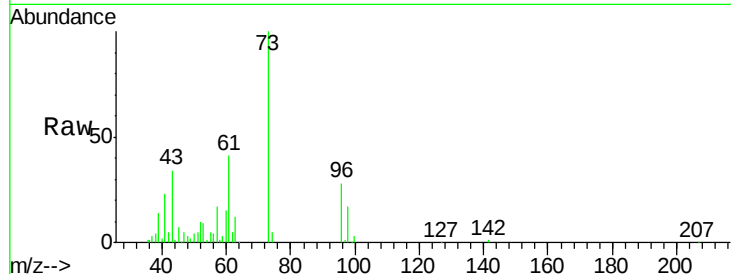




#19
Methyl tert-butyl Ether
Concen: 19.911 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.01 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

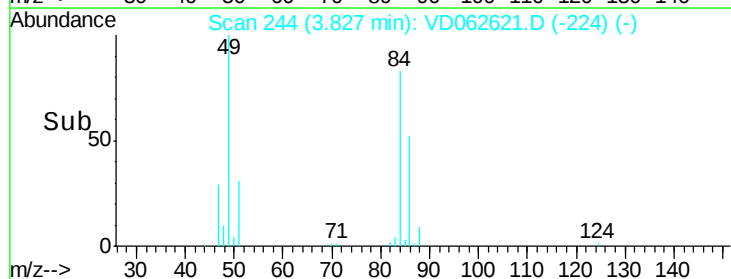
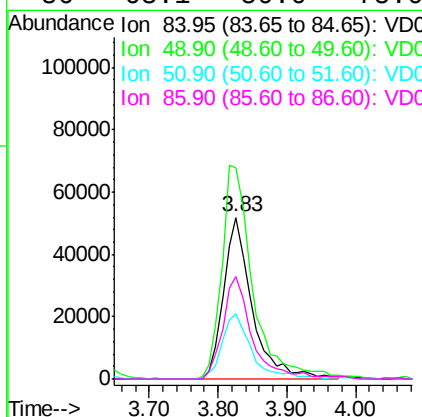
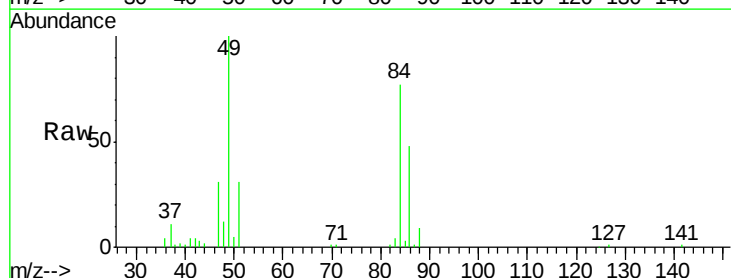
Instrument :
MSVOA_D
ClientSampleID :
VD0605SBS01

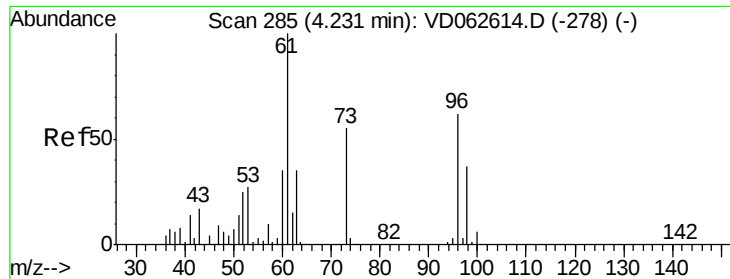
Tot Ion: 73 Resp: 342045
Ion Ratio Lower Upper
73 100
57 16.5 13.5 20.3



#20
Methylene Chloride
Concen: 19.182 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion: 84 Resp: 149681
Ion Ratio Lower Upper
84 100
49 130.7 119.0 178.6
51 40.7 35.4 53.2
86 63.1 50.0 75.0

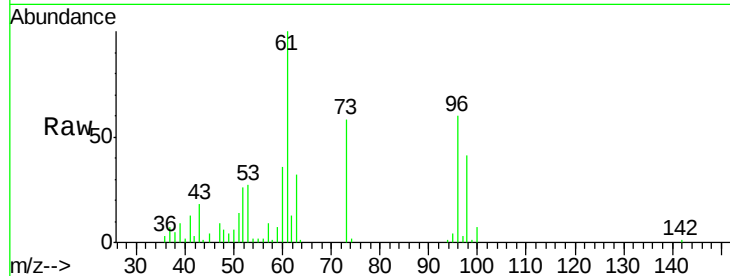




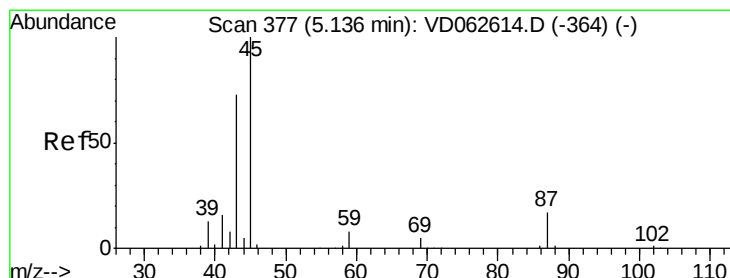
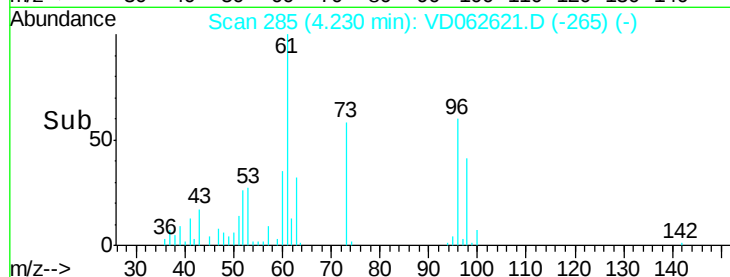
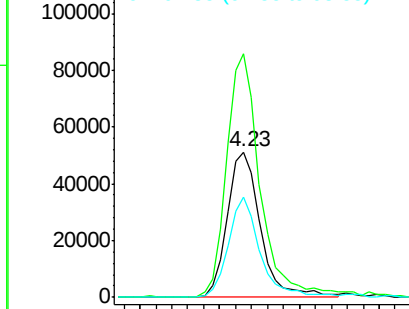
#21
trans-1,2-Dichloroethene
Concen: 19.358 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

Tot Ion: 96 Resp: 149400
Ion Ratio Lower Upper
96 100
61 167.9 128.2 192.4
98 68.9 47.5 71.3

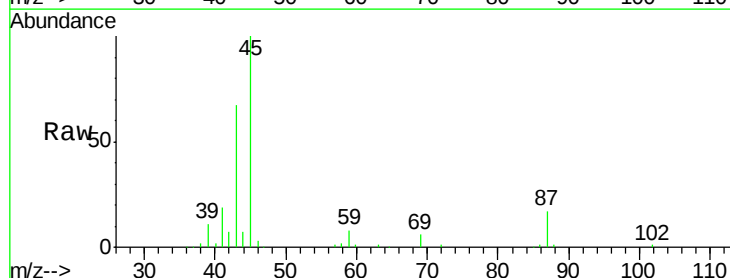


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

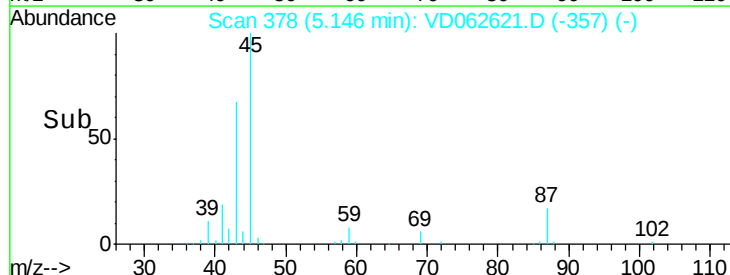
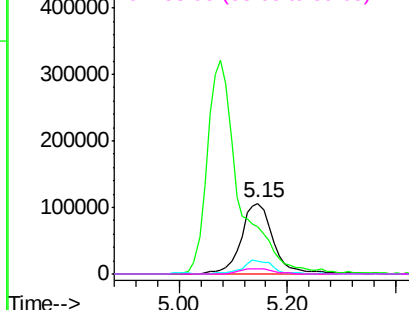


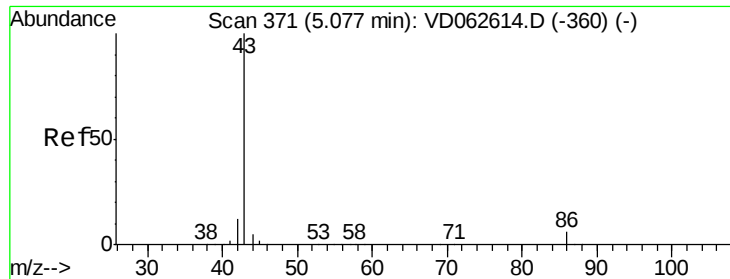
#22
Diisopropyl ether
Concen: 19.094 ug/l
RT: 5.15 min Scan# 378
Delta R.T. 0.01 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion: 45 Resp: 435500
Ion Ratio Lower Upper
45 100
43 67.3 59.3 88.9
87 17.4 14.6 22.0
59 7.6 6.6 10.0



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





#23

Vinyl Acetate

Concen: 94.103 ug/l

RT: 5.08 min Scan# 371

Delta R.T. -0.00 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

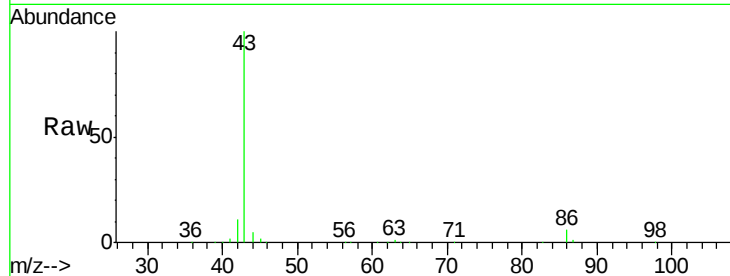
VD0605SBS01

Tot Ion: 43 Resp: 1308153

Ion Ratio Lower Upper

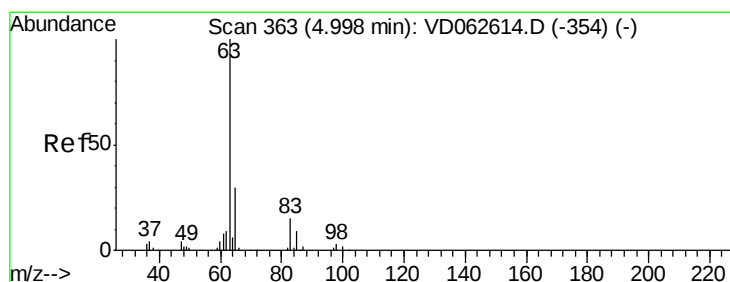
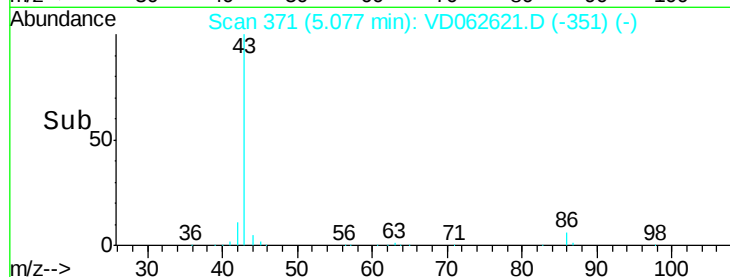
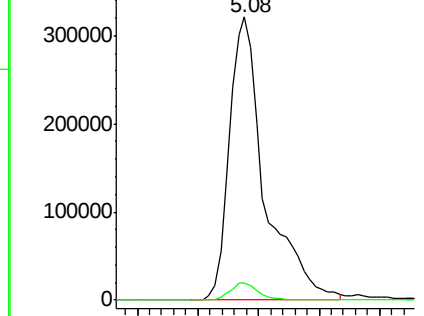
43 100

86 6.0 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: 19.904 ug/l

RT: 5.00 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

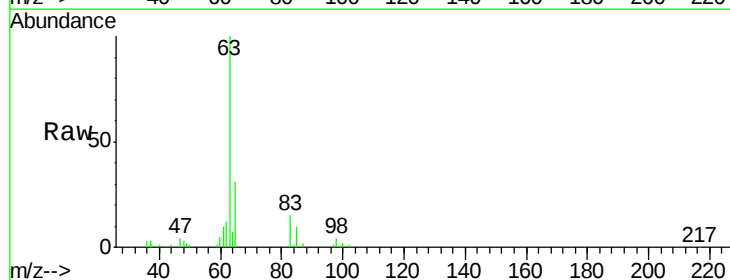
Tgt Ion: 63 Resp: 286039

Ion Ratio Lower Upper

63 100

98 4.3 1.7 5.1

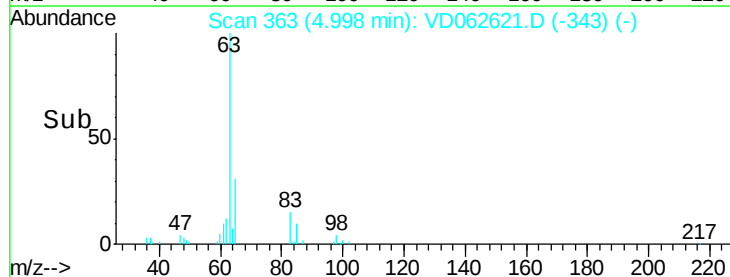
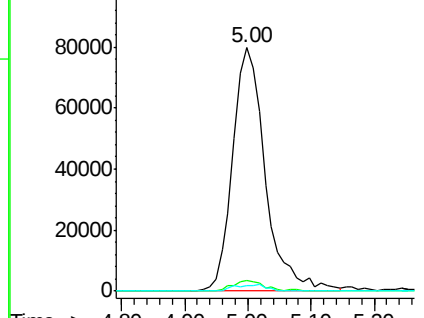
100 2.4 1.1 3.5

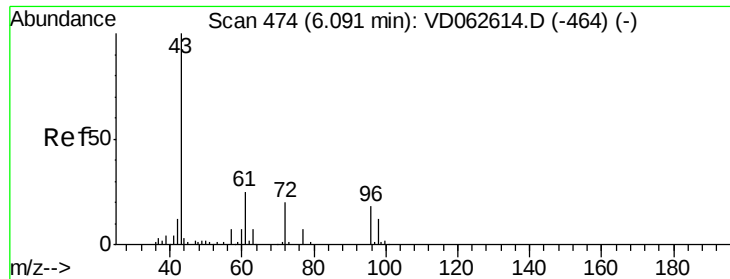


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 98.505 ug/l

RT: 6.09 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

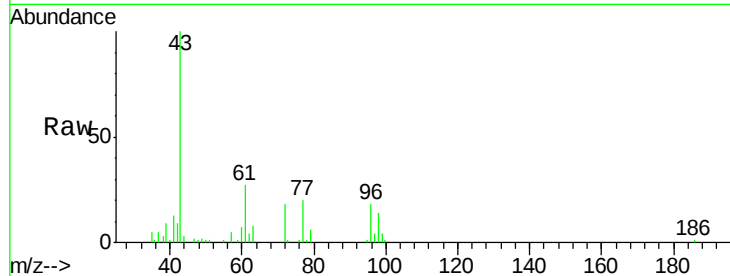
VD0605SBS01

Tot Ion: 43 Resp: 187604

Ion Ratio Lower Upper

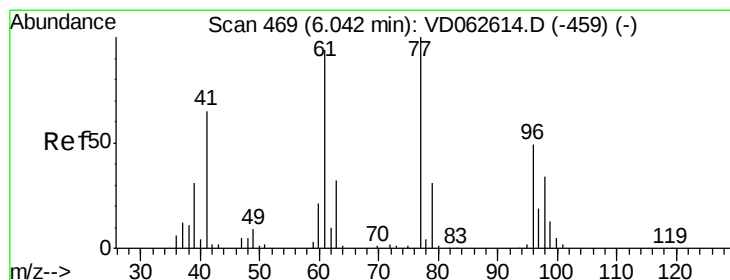
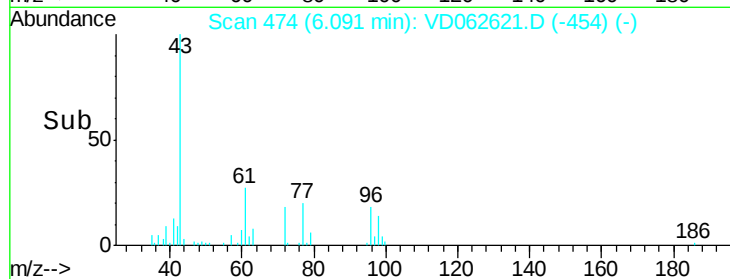
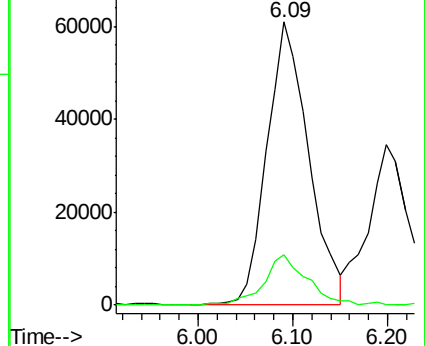
43 100

72 17.7 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: 20.062 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD062621.D

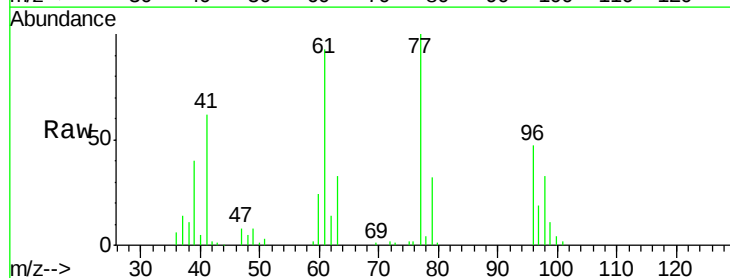
Acq: 6 Jun 2019 12:16

Tgt Ion: 77 Resp: 314974

Ion Ratio Lower Upper

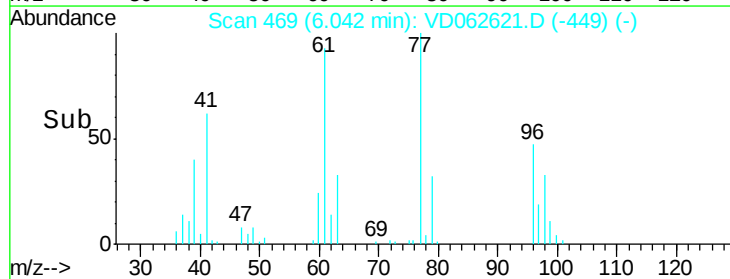
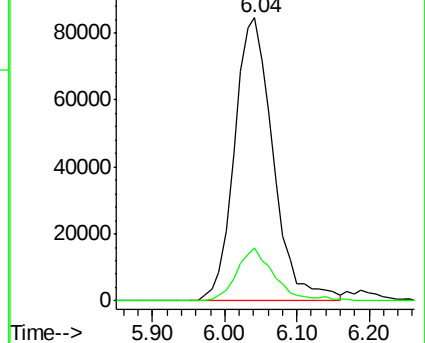
77 100

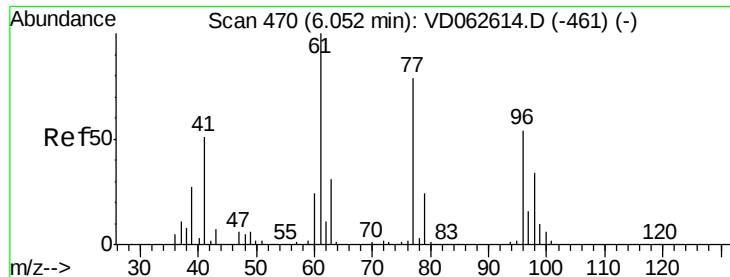
97 18.8 9.6 28.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



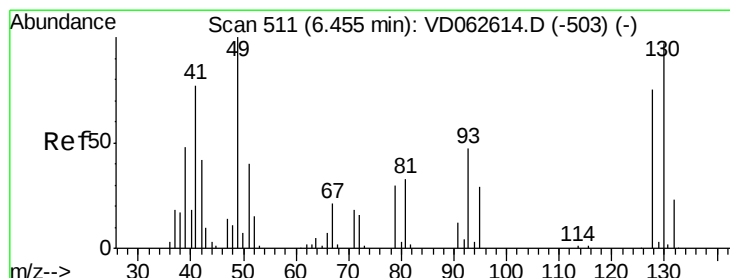
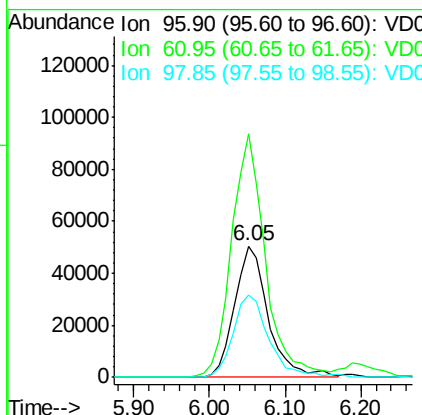
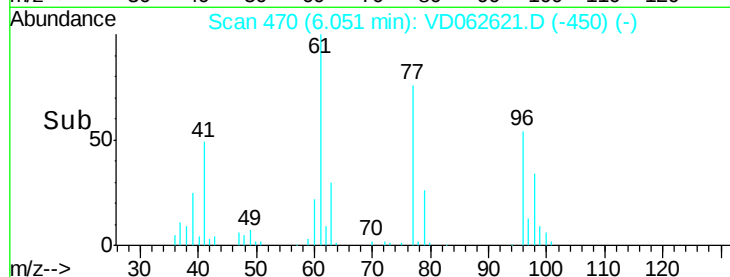
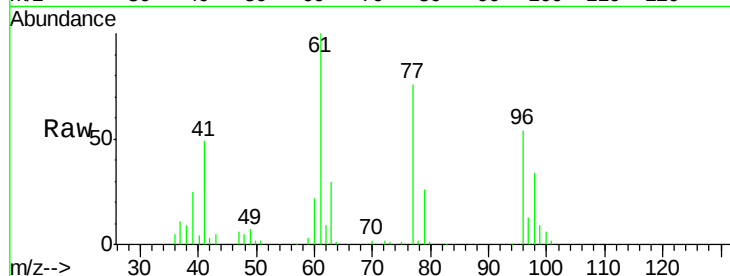


#27

cis-1,2-Dichloroethene
Concen: 18.706 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

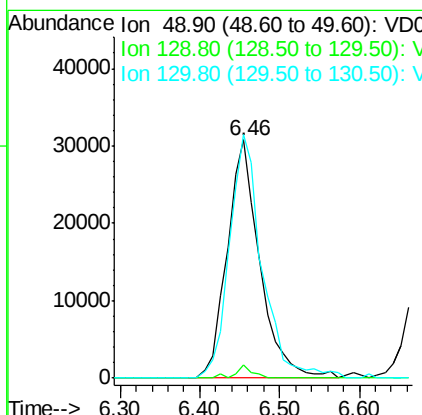
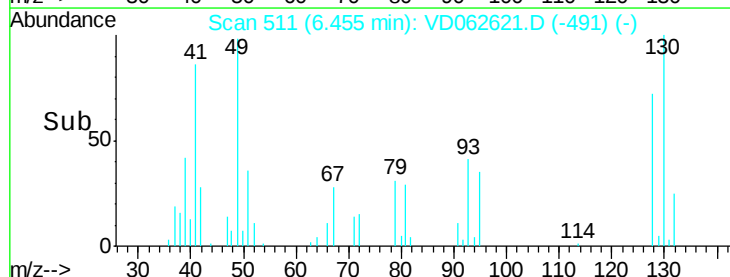
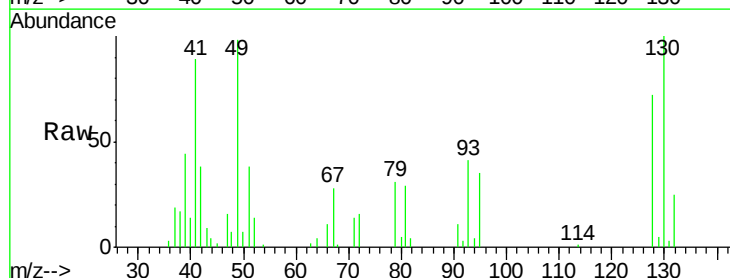
Tot Ion: 96 Resp: 155679
Ion Ratio Lower Upper
96 100
61 185.8 0.0 372.0
98 62.5 0.0 126.4

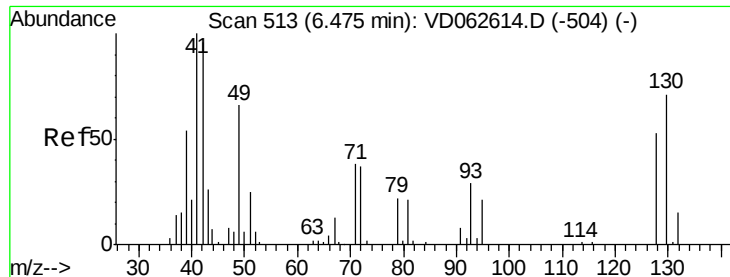


#28

Bromochloromethane
Concen: 16.180 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion: 49 Resp: 87973
Ion Ratio Lower Upper
49 100
129 5.4 0.0 6.4
130 102.3 77.6 116.4





#29

Tetrahydrofuran

Concen: 94.035 ug/l

RT: 6.47 min Scan# 513

Delta R.T. -0.00 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBS01

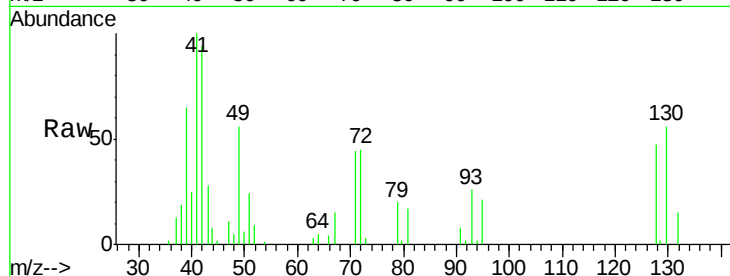
Tot Ion: 42 Resp: 83136

Ion Ratio Lower Upper

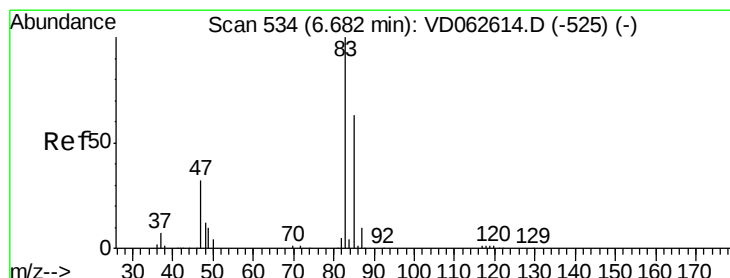
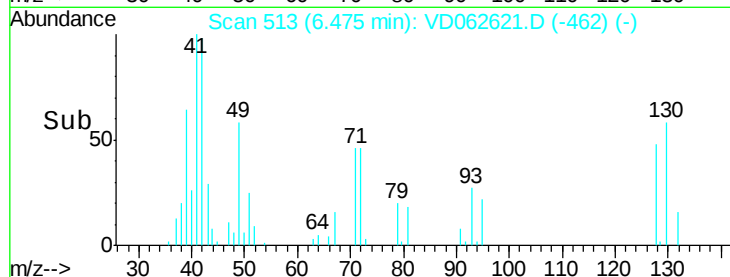
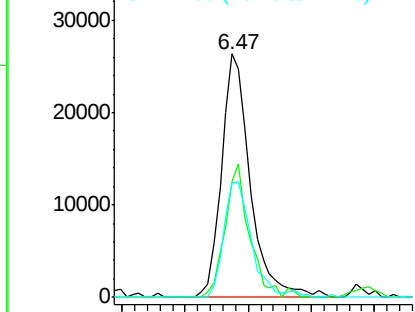
42 100

72 45.4 32.5 48.7

71 44.9 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: 20.251 ug/l

RT: 6.68 min Scan# 534

Delta R.T. -0.00 min

Lab File: VD062621.D

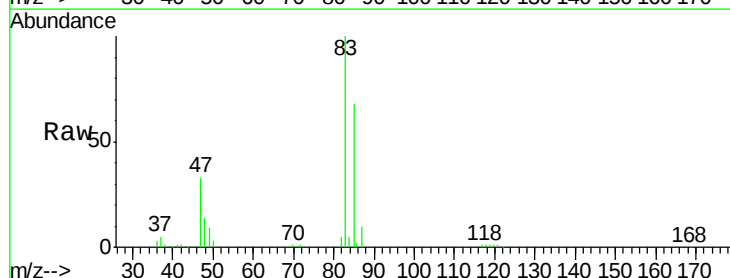
Acq: 6 Jun 2019 12:16

Tgt Ion: 83 Resp: 361954

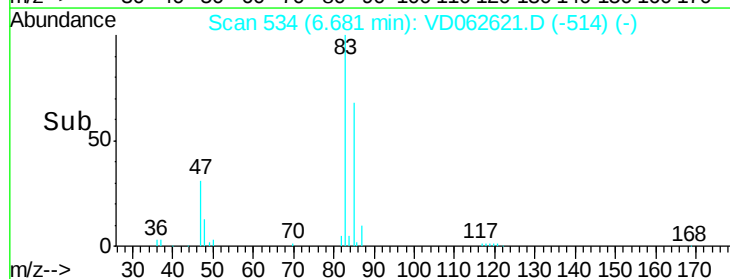
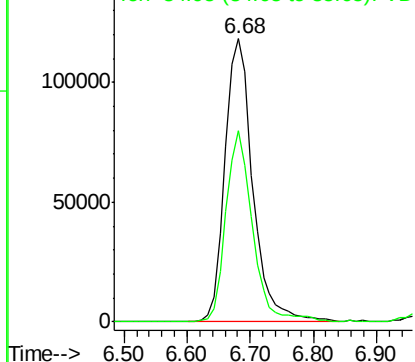
Ion Ratio Lower Upper

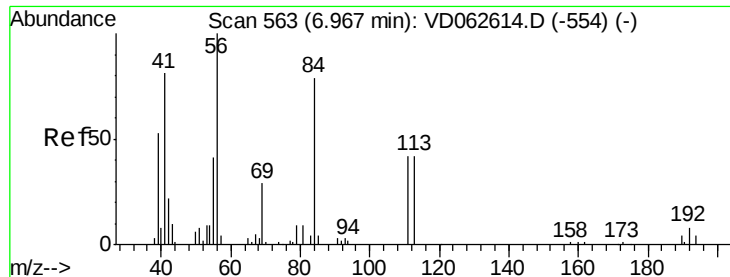
83 100

85 67.7 50.4 75.6



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

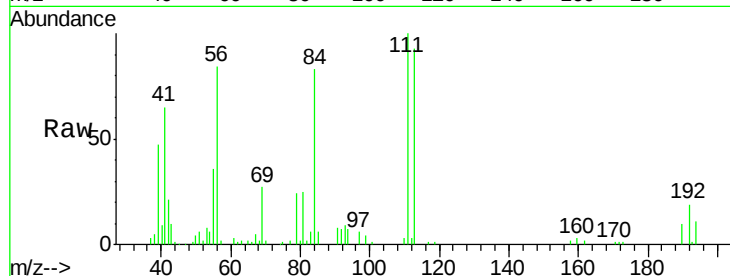




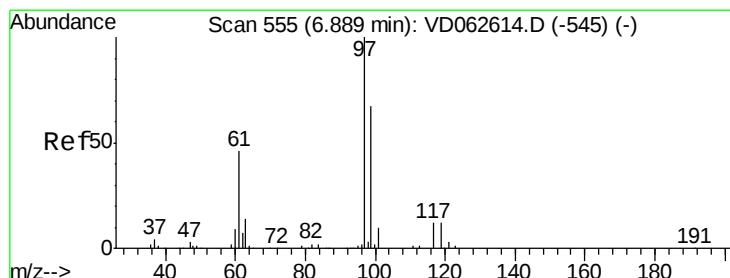
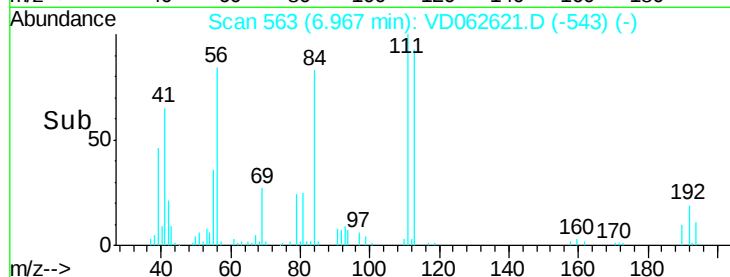
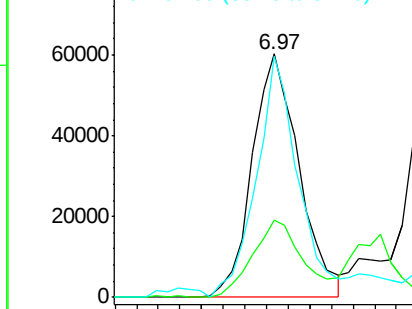
#31
Cyclohexane
Concen: 19.828 ug/l
RT: 6.97 min Scan# 563
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

Tot Ion: 56 Resp: 182157
Ion Ratio Lower Upper
56 100
69 31.8 23.0 34.4
84 99.0 66.0 99.0#

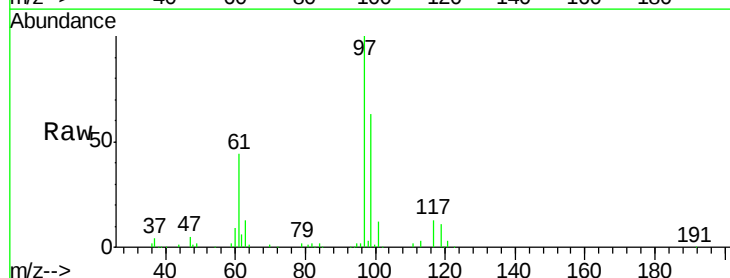


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

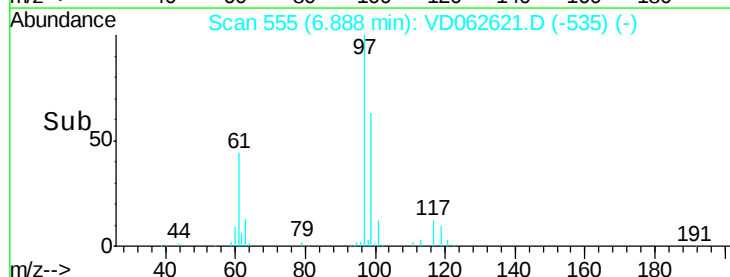
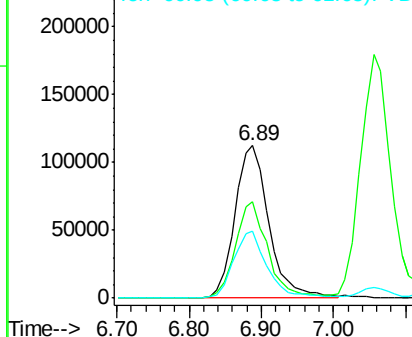


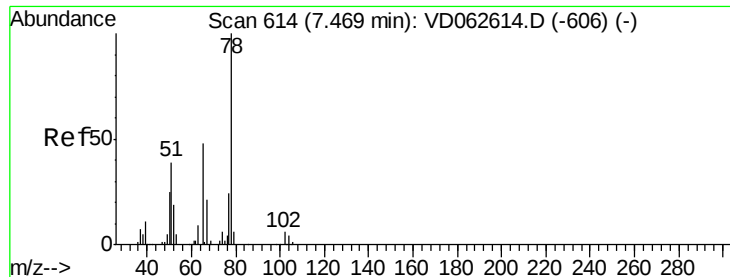
#32
1,1,1-Trichloroethane
Concen: 20.399 ug/l
RT: 6.89 min Scan# 555
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion: 97 Resp: 369062
Ion Ratio Lower Upper
97 100
99 63.3 53.4 80.0
61 44.4 36.7 55.1



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

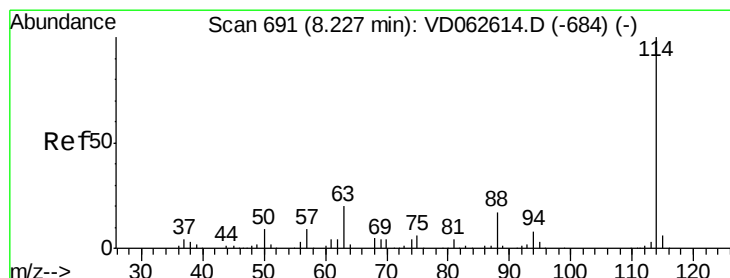
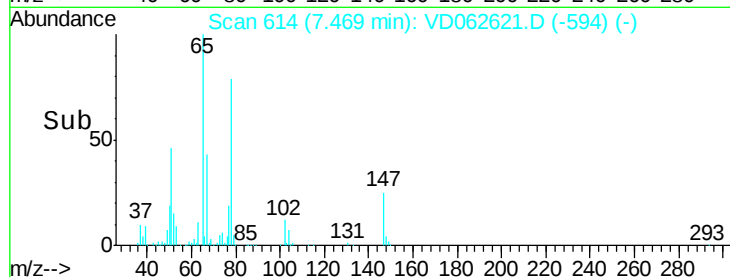
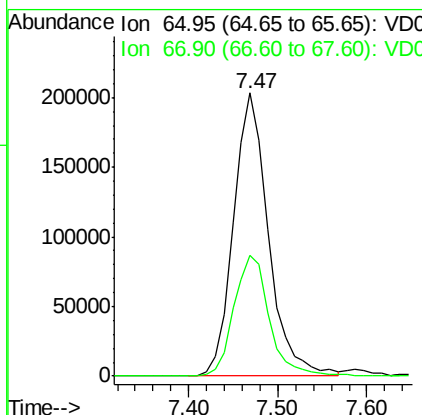
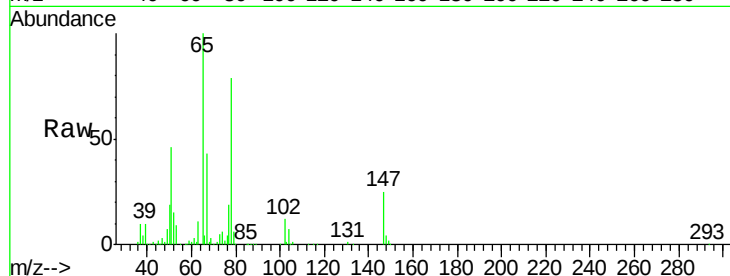




#33
 1,2-Dichloroethane-d4
 Concen: 49.710 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

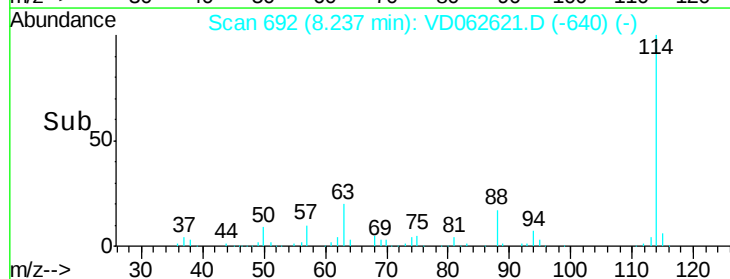
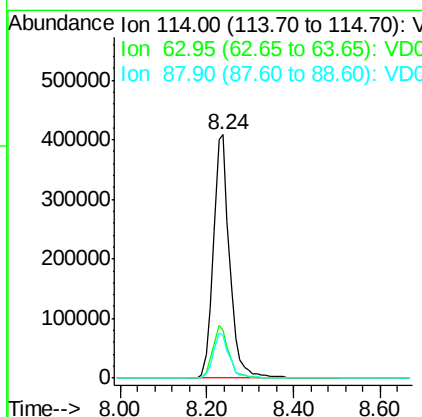
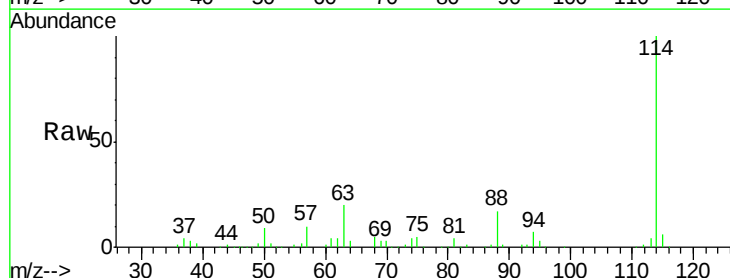
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

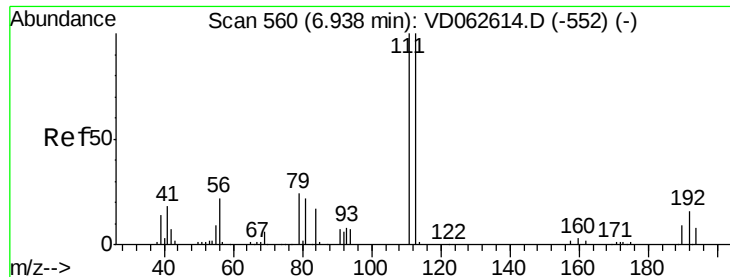
Tot Ion: 65 Resp: 554574
 Ion Ratio Lower Upper
 65 100
 67 42.6 0.0 86.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Tgt Ion:114 Resp: 1065439
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.0
 88 17.3 0.0 34.2

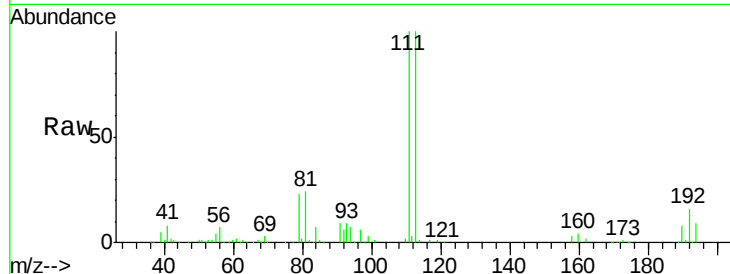




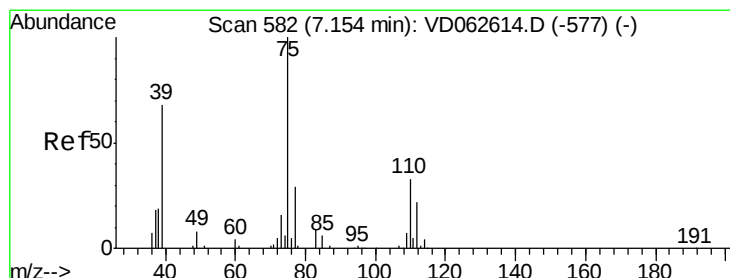
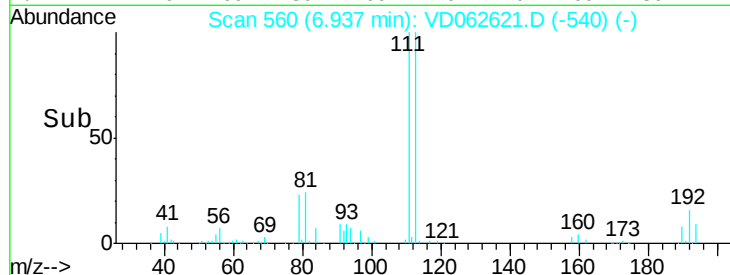
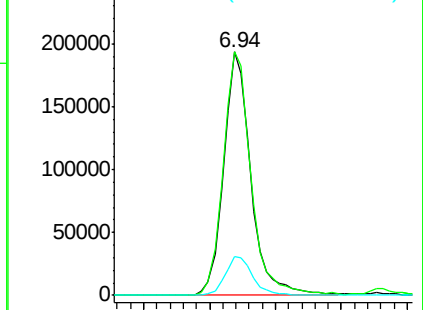
#35
 Dibromofluoromethane
 Concen: 51.673 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

Tot Ion:113 Resp: 559551
 Ion Ratio Lower Upper
 113 100
 111 100.0 80.1 120.1
 192 16.0 13.0 19.6

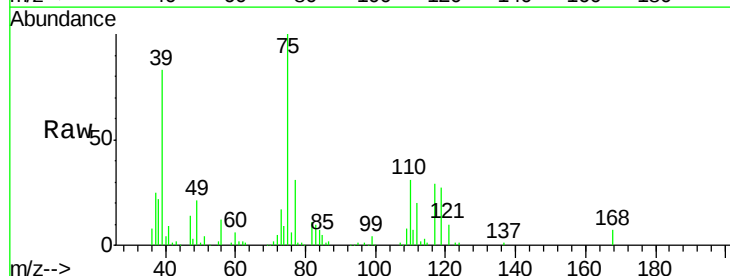


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

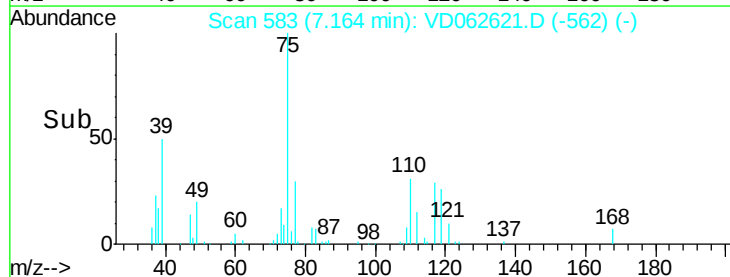
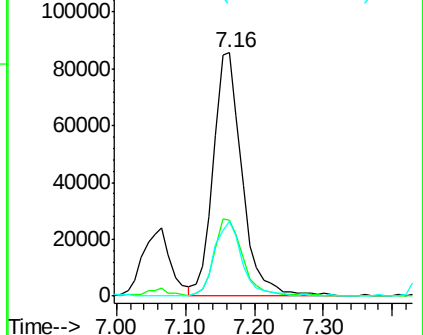


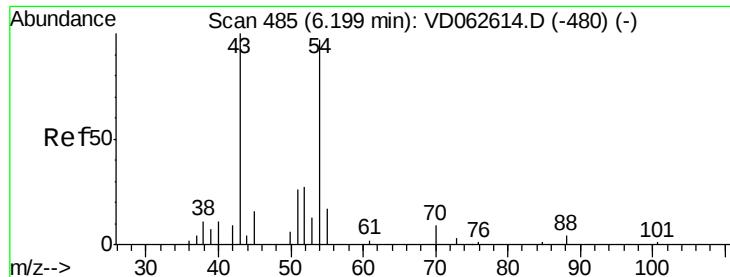
#36
 1,1-Dichloropropene
 Concen: 21.723 ug/l
 RT: 7.16 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Tgt Ion: 75 Resp: 248837
 Ion Ratio Lower Upper
 75 100
 110 31.0 16.5 49.5
 77 30.9 23.3 34.9



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

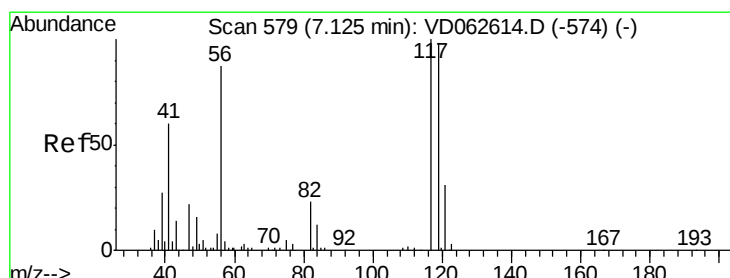
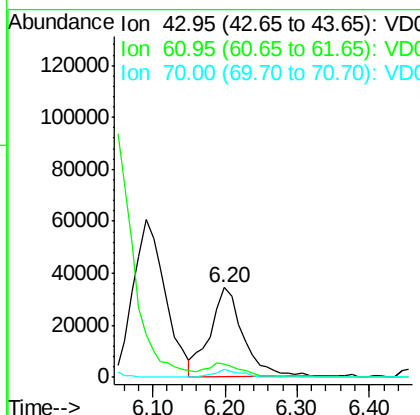
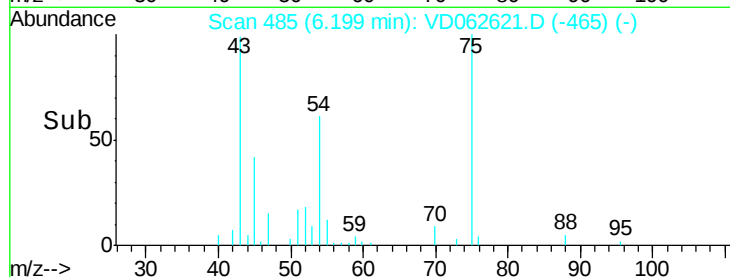
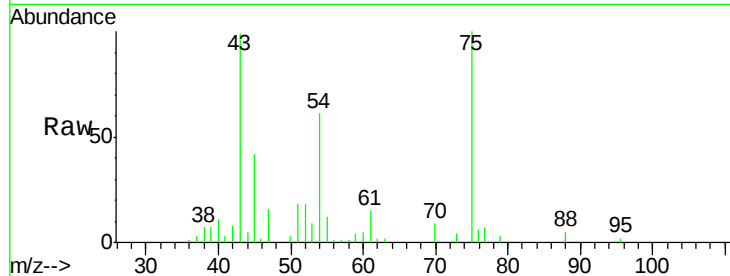




#37
Ethyl Acetate
Concen: 23.256 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

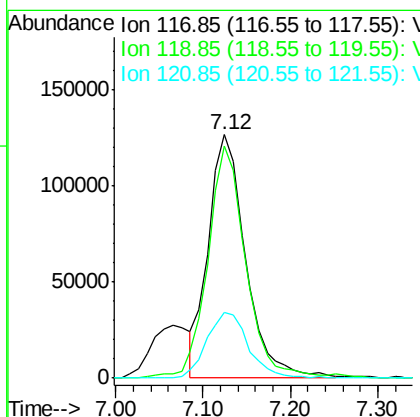
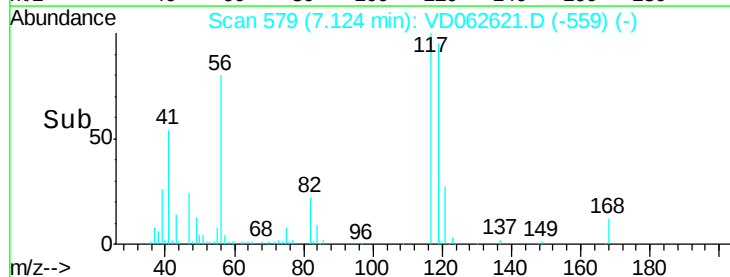
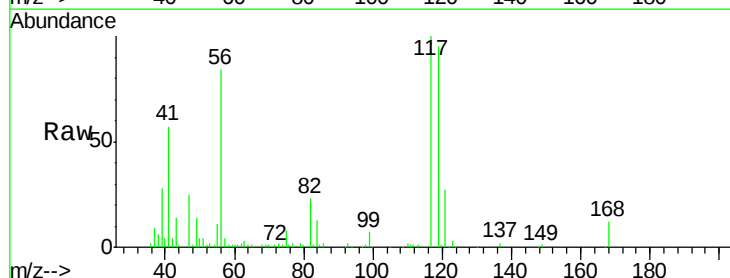
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

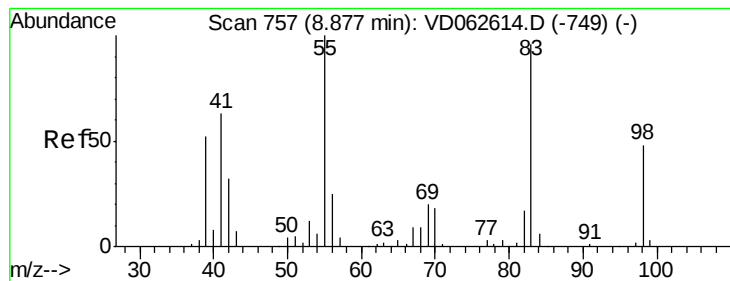
Tot Ion: 43 Resp: 107503
Ion Ratio Lower Upper
43 100
61 15.3 8.8 13.2#
70 9.2 5.6 8.4#



#38
Carbon Tetrachloride
Concen: 21.851 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion: 117 Resp: 375691
Ion Ratio Lower Upper
117 100
119 95.1 74.1 111.1
121 26.8 23.5 35.3





#39

Methvlcvclohexane

Concen: 19.597 ug/l

RT: 8.88 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBS01

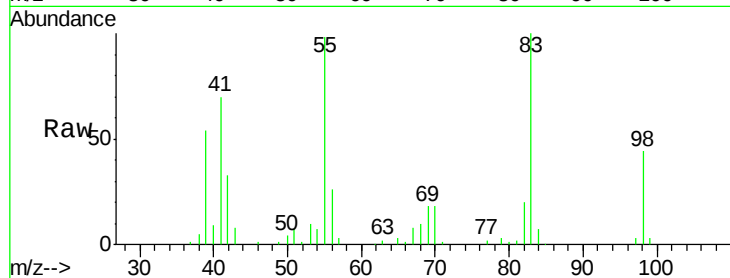
Tot Ion: 83 Resp: 191935

Ion Ratio Lower Upper

83 100

55 98.4 83.2 124.8

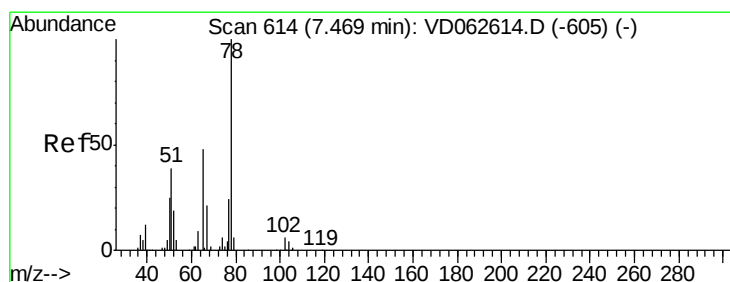
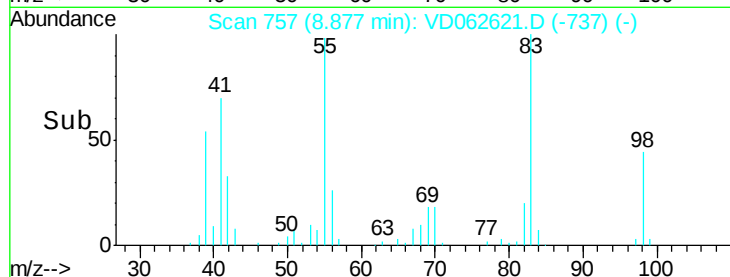
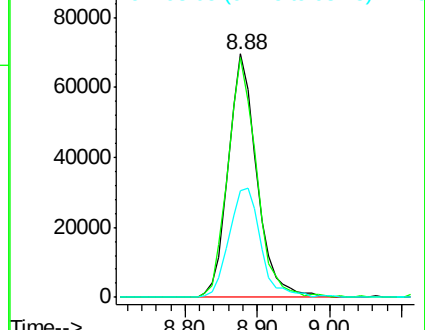
98 43.9 39.8 59.8



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: 19.950 ug/l

RT: 7.47 min Scan# 614

Delta R.T. -0.00 min

Lab File: VD062621.D

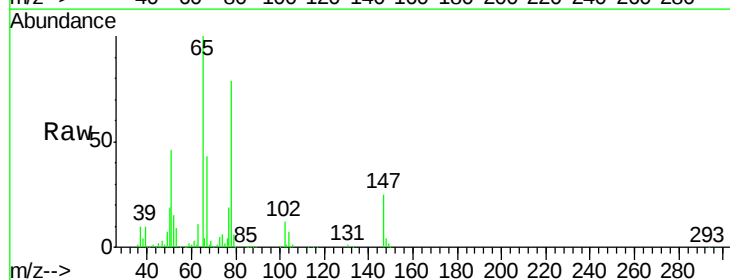
Acq: 6 Jun 2019 12:16

Tgt Ion: 78 Resp: 451368

Ion Ratio Lower Upper

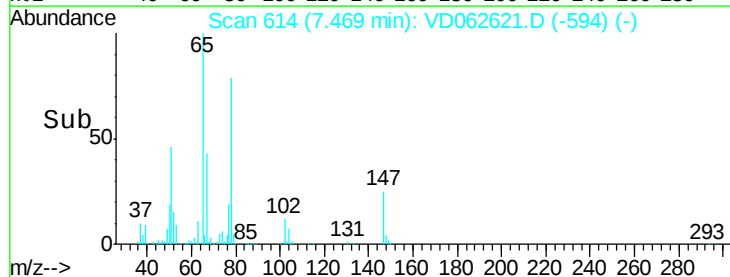
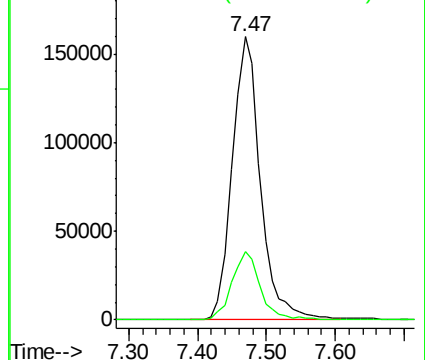
78 100

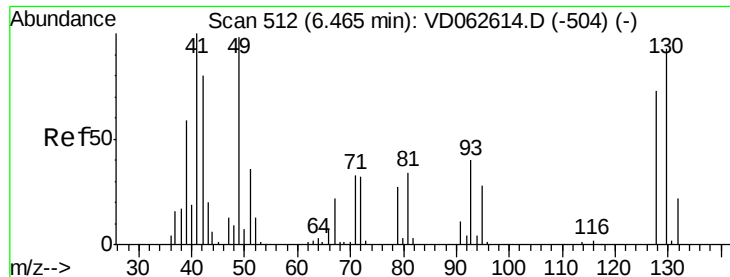
77 23.9 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.519 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBS01

Tot Ion: 41 Resp: 116845

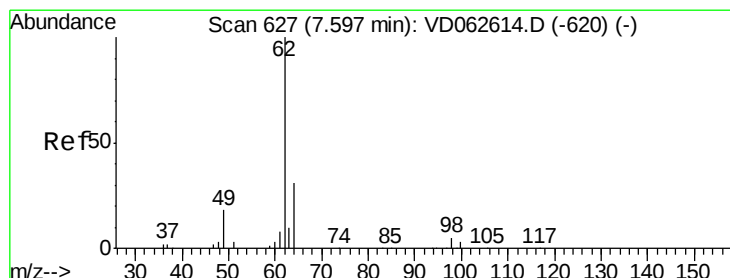
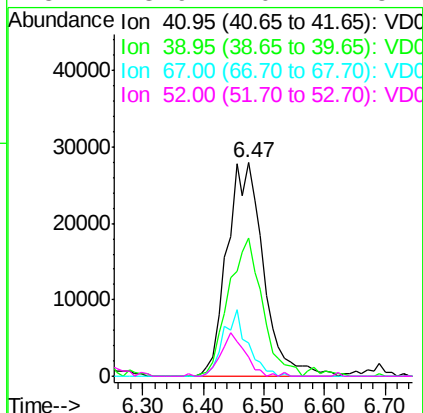
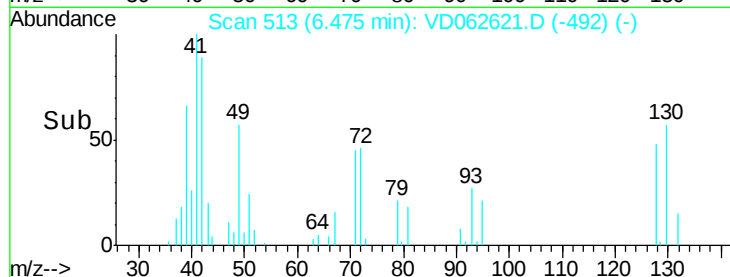
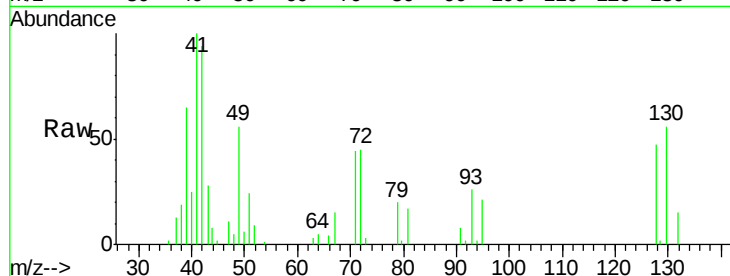
Ion Ratio Lower Upper

41 100

39 64.6 47.5 71.3

67 15.3 17.8 26.6#

52 8.9 10.2 15.4#



#42

1,2-Dichloroethane

Concen: 20.298 ug/l

RT: 7.60 min Scan# 627

Delta R.T. -0.00 min

Lab File: VD062621.D

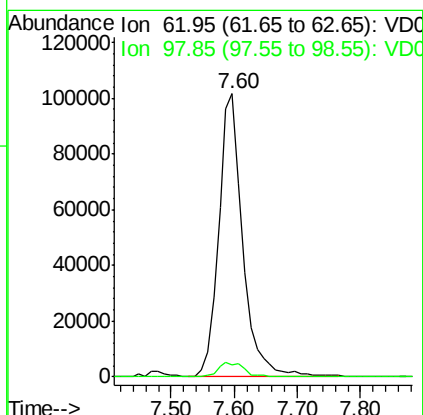
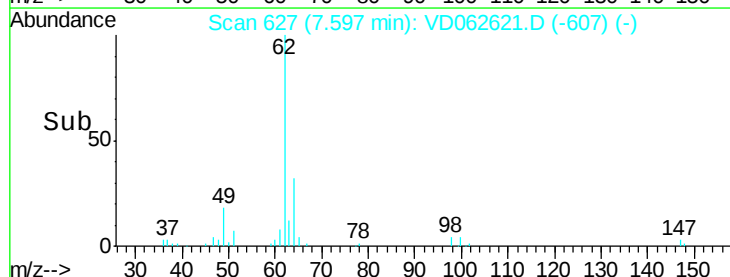
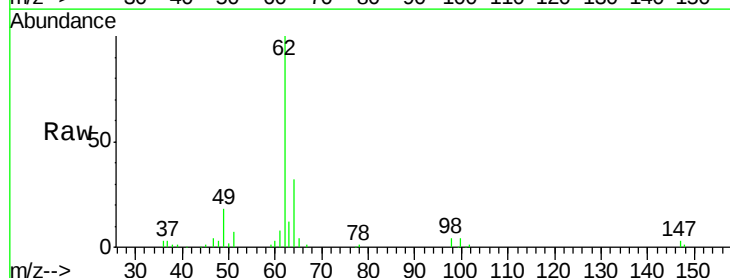
Acq: 6 Jun 2019 12:16

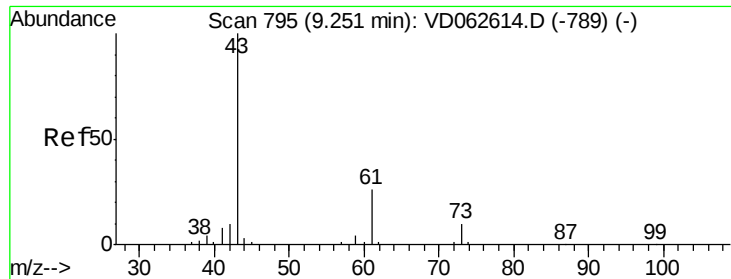
Tgt Ion: 62 Resp: 270303

Ion Ratio Lower Upper

62 100

98 4.4 0.0 10.2



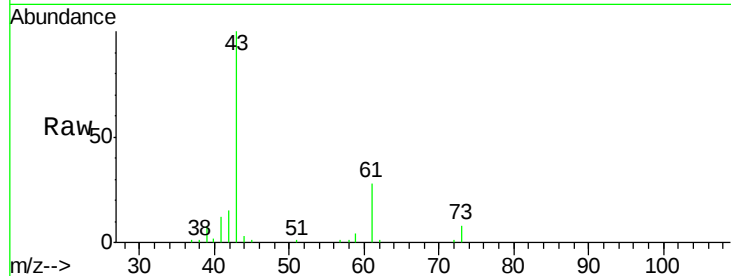


#43

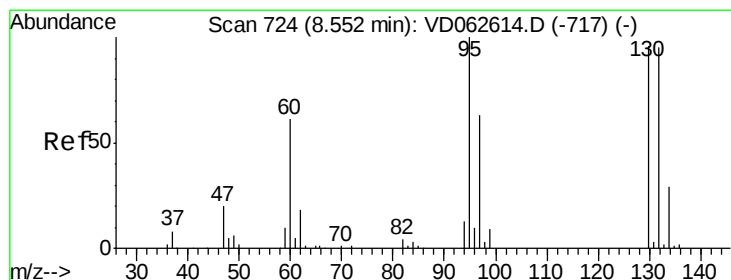
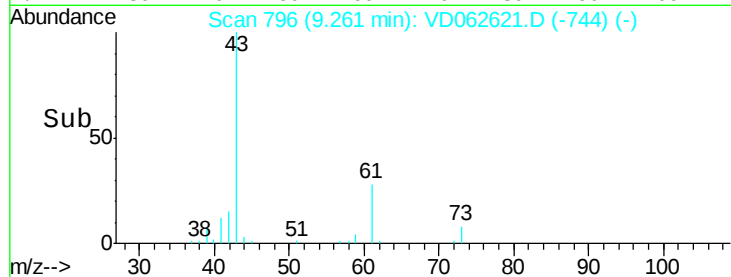
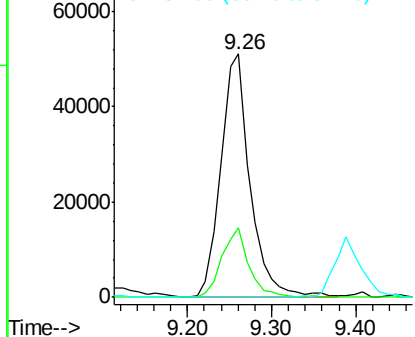
Isopropyl Acetate
 Concen: 19.470 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.01 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

Tot Ion: 43 Resp: 123703
 Ion Ratio Lower Upper
 43 100
 61 28.5 21.0 31.6
 87 0.0 0.2 0.4#



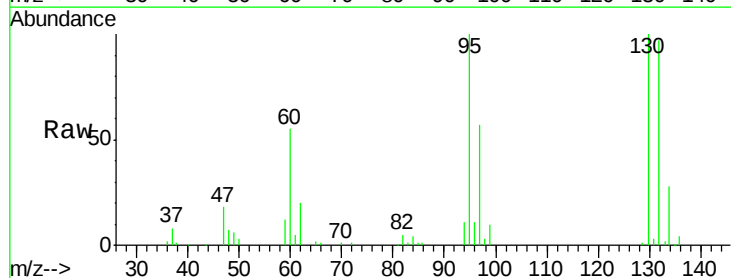
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



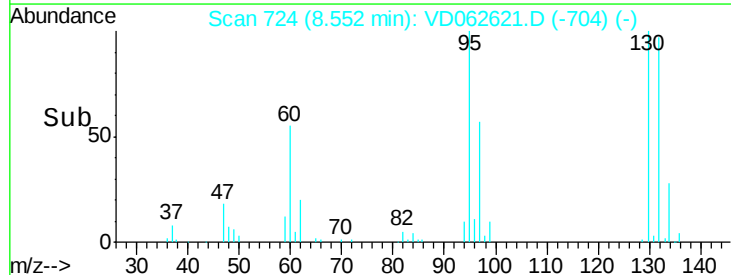
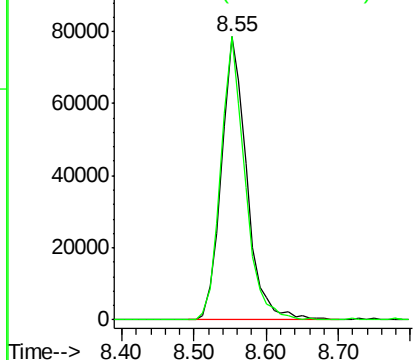
#44

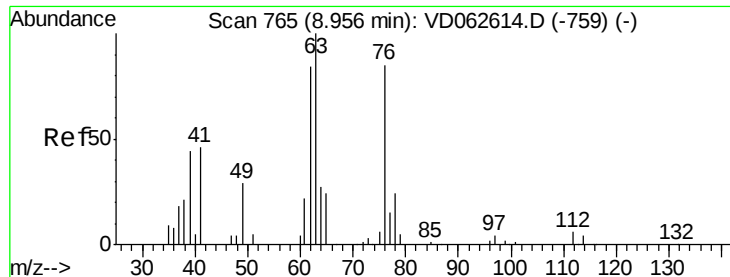
Trichloroethene
 Concen: 20.742 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Tgt Ion:130 Resp: 190303
 Ion Ratio Lower Upper
 130 100
 95 100.0 0.0 208.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC

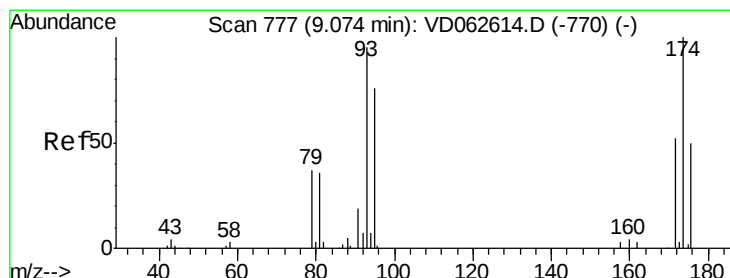
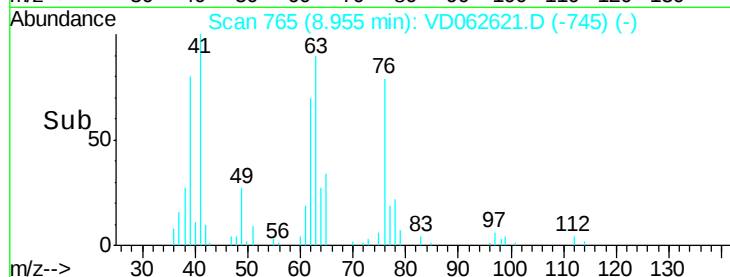
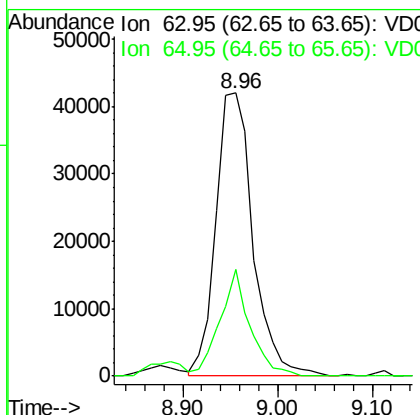
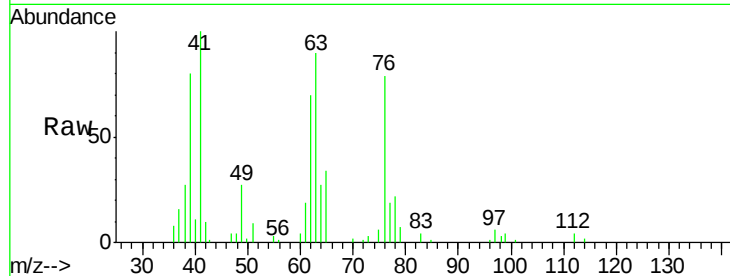




#45
 1,2-Dichloropropane
 Concen: 20.140 ug/l
 RT: 8.96 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

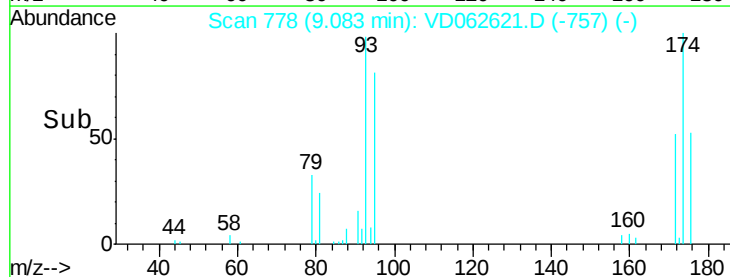
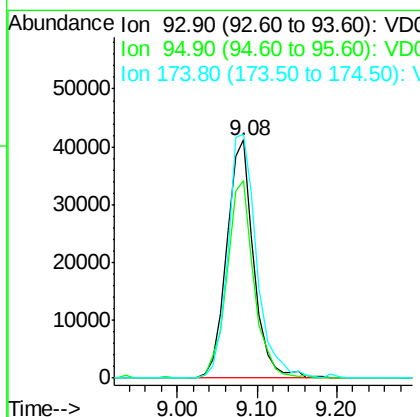
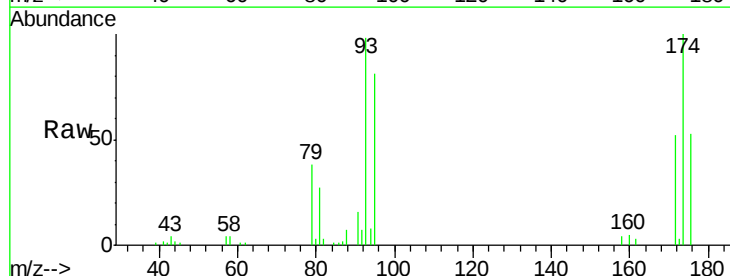
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

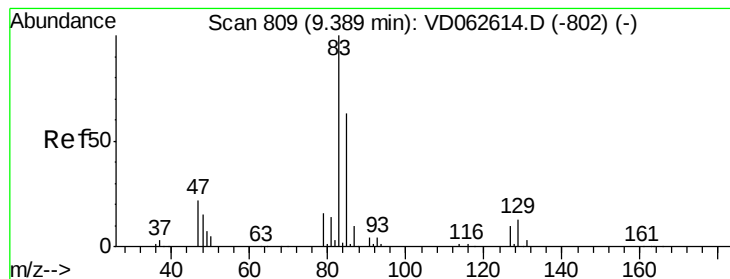
Tot Ion: 63 Resp: 114098
 Ion Ratio Lower Upper
 63 100
 65 37.7 21.7 32.5#



#46
 Dibromomethane
 Concen: 19.813 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Tgt Ion: 93 Resp: 97651
 Ion Ratio Lower Upper
 93 100
 95 82.9 64.2 96.2
 174 102.3 84.1 126.1





#47

Bromodichloromethane

Concen: 20.049 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBS01

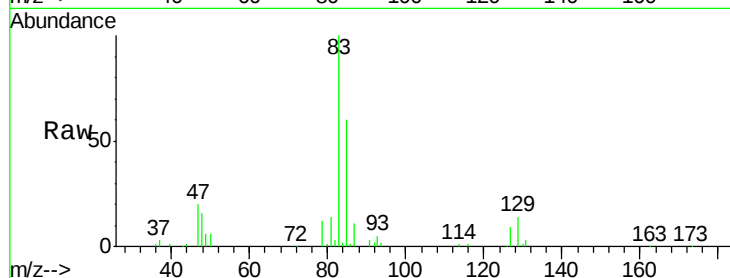
Tot Ion: 83 Resp: 266161

Ion Ratio Lower Upper

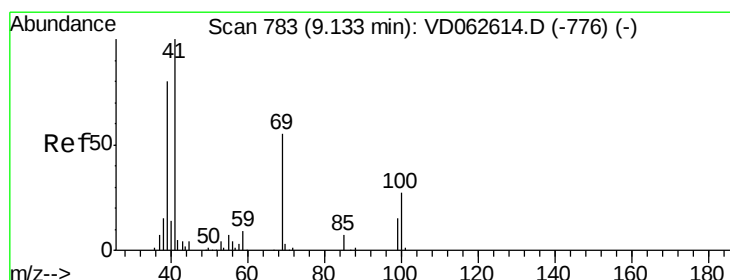
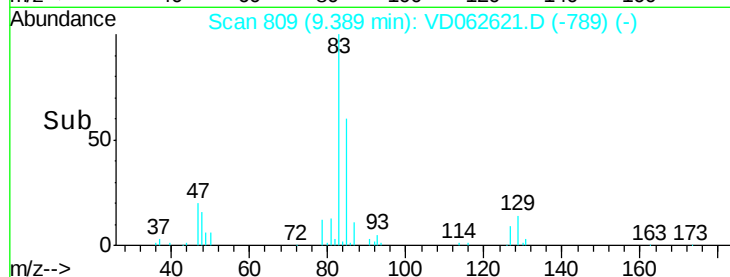
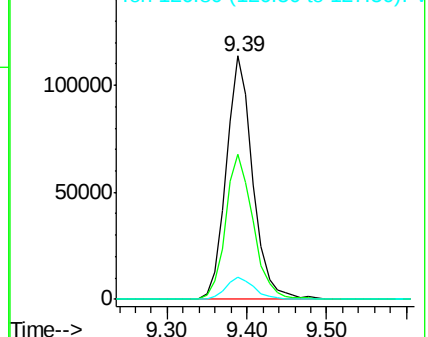
83 100

85 59.8 50.2 75.4

127 9.1 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: 20.451 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.00 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

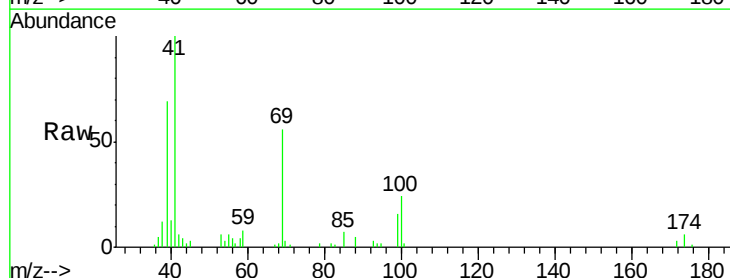
Tgt Ion: 41 Resp: 88369

Ion Ratio Lower Upper

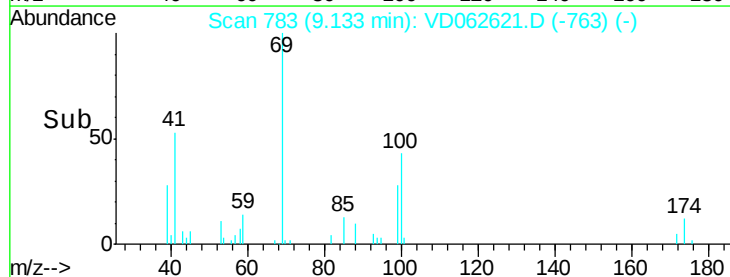
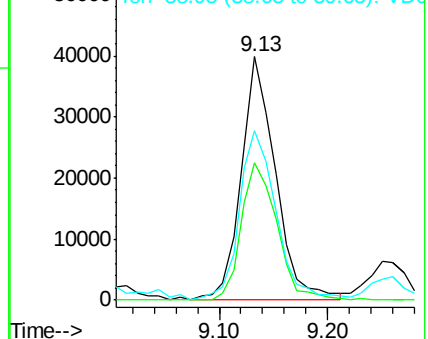
41 100

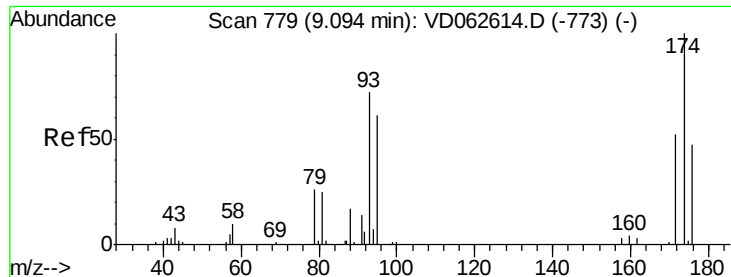
69 56.4 43.8 65.8

39 69.4 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

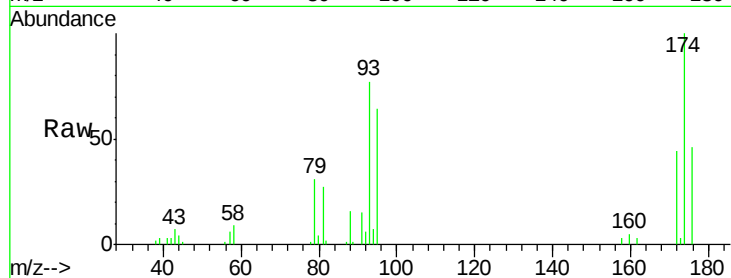




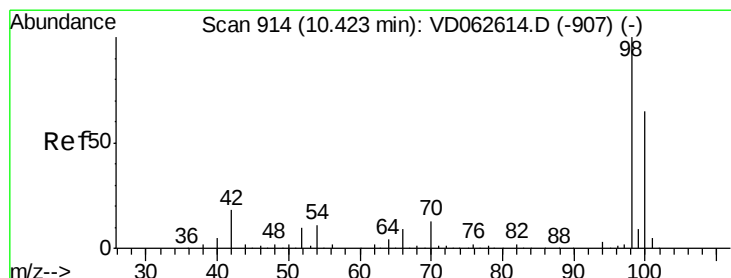
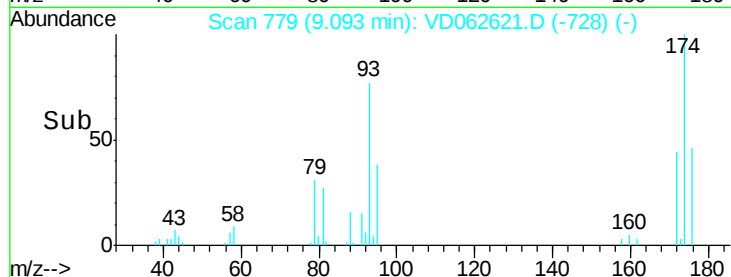
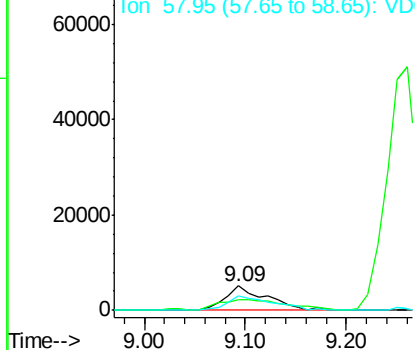
#49
1,4-Dioxane
Concen: 424.525 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

Tot Ion: 88 Resp: 14558
Ion Ratio Lower Upper
88 100
43 42.2 39.3 58.9
58 56.6 45.3 67.9

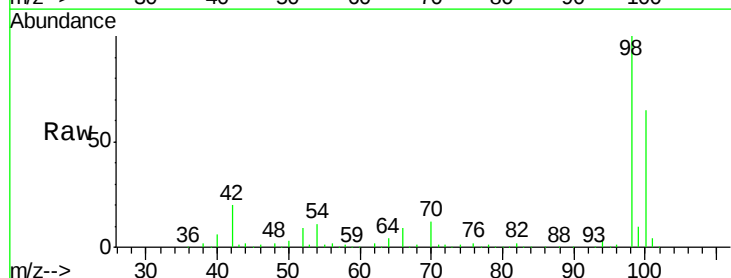


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

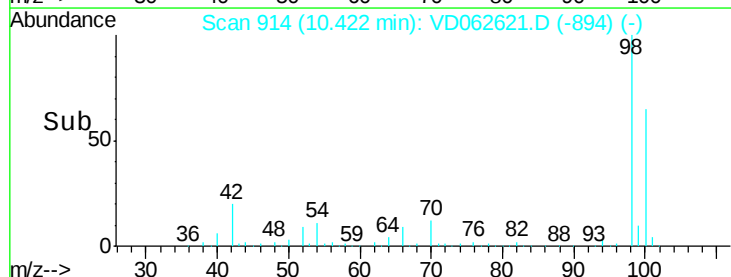
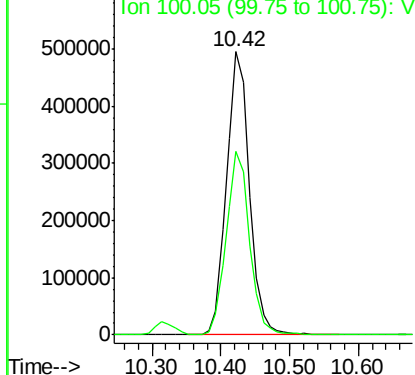


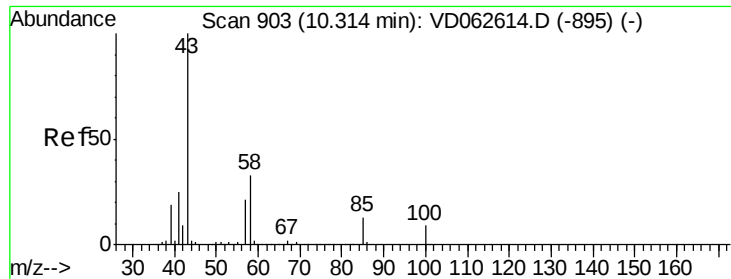
#50
Toluene-d8
Concen: 48.902 ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion: 98 Resp: 1140760
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2



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

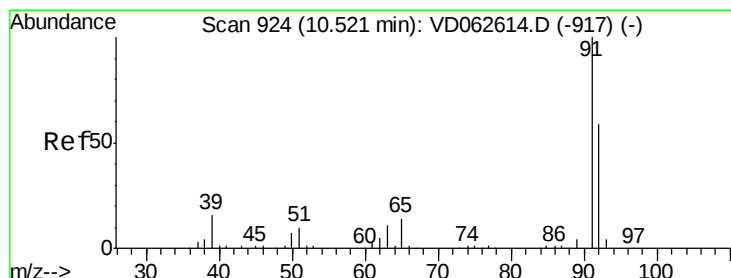
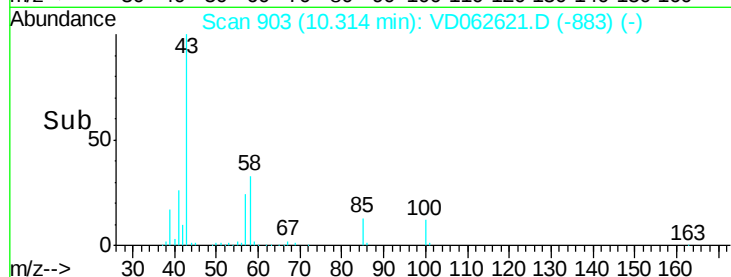
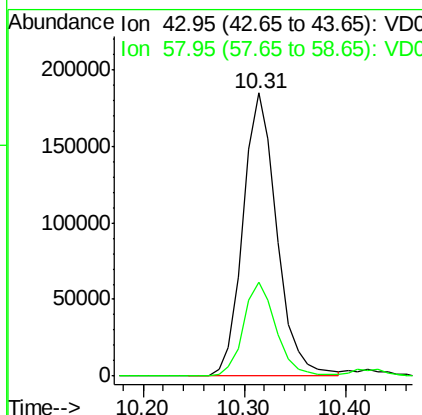
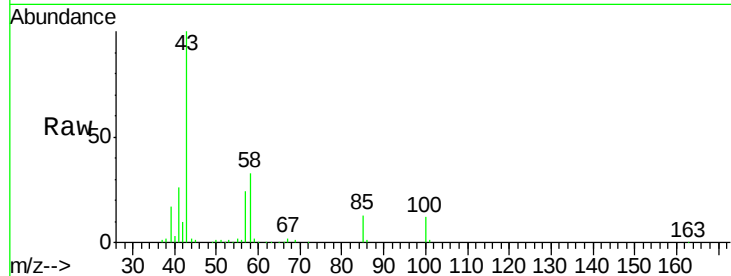




#51
4-Methyl-2-Pentanone
Concen: 104.228 ug/l
RT: 10.31 min Scan# 903
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

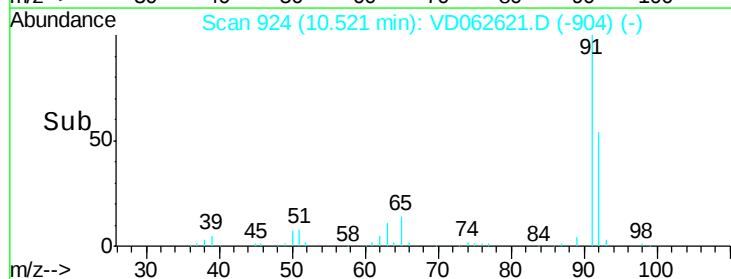
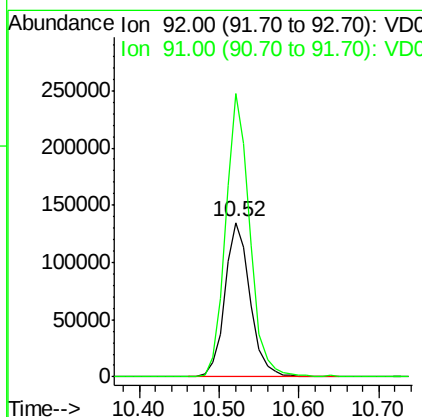
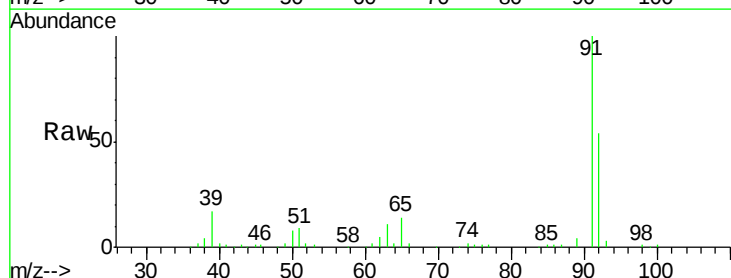
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

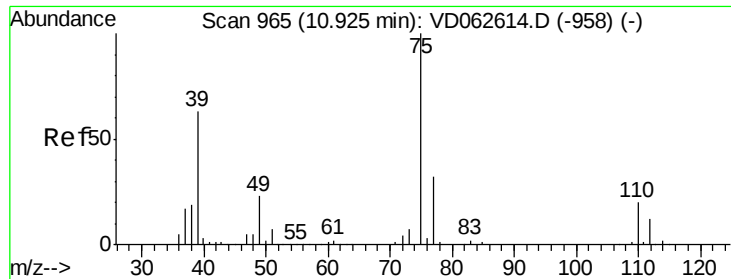
Tot Ion: 43 Resp: 431197
Ion Ratio Lower Upper
43 100
58 33.1 26.8 40.2



#52
Toluene
Concen: 19.940 ug/l
RT: 10.52 min Scan# 924
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion: 92 Resp: 299233
Ion Ratio Lower Upper
92 100
91 183.5 134.7 202.1

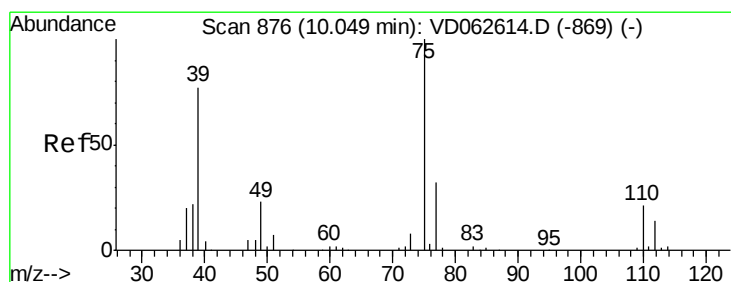
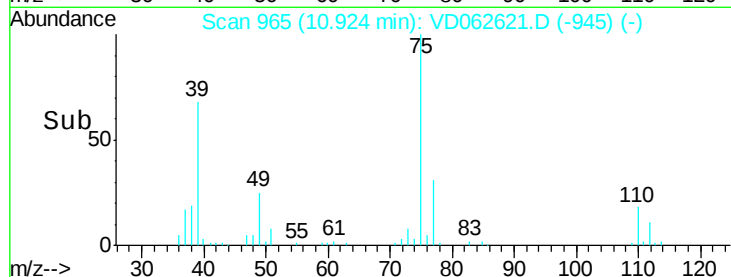
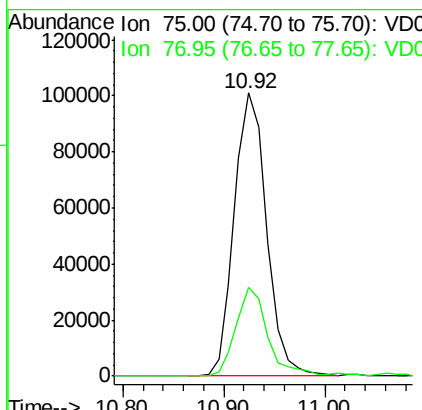
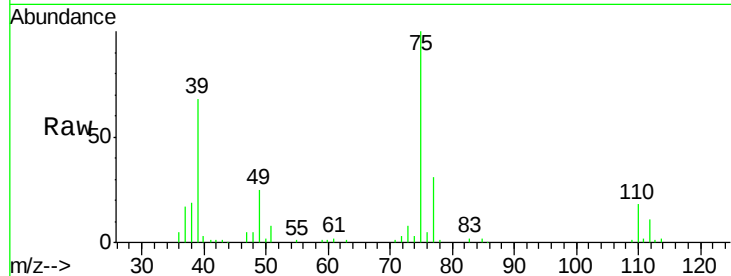




#53
 t-1,3-Dichloropropene
 Concen: 20.432 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

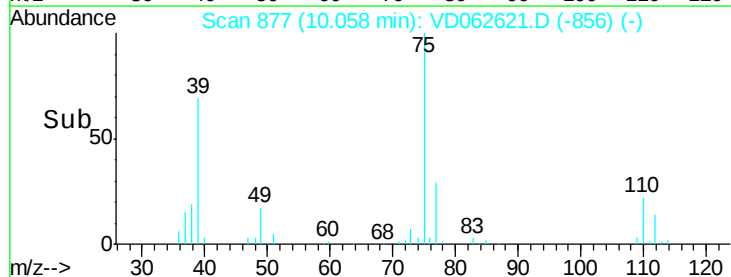
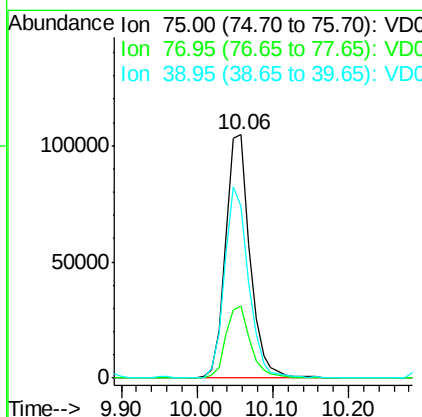
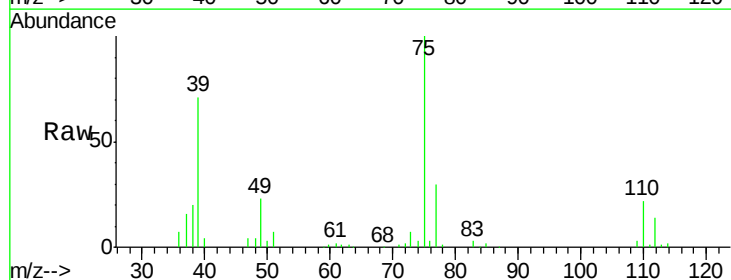
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

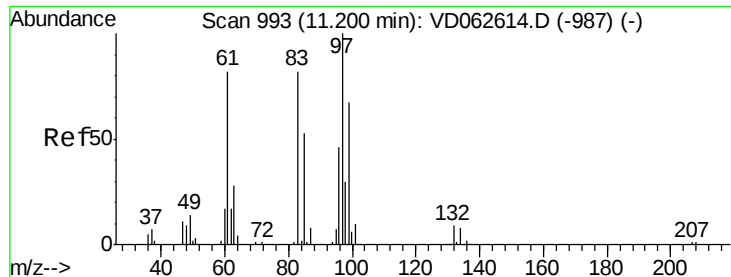
Tot Ion: 75 Resp: 225222
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 20.853 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.01 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Tgt Ion: 75 Resp: 234068
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.6 38.4
 39 70.8 61.2 91.8

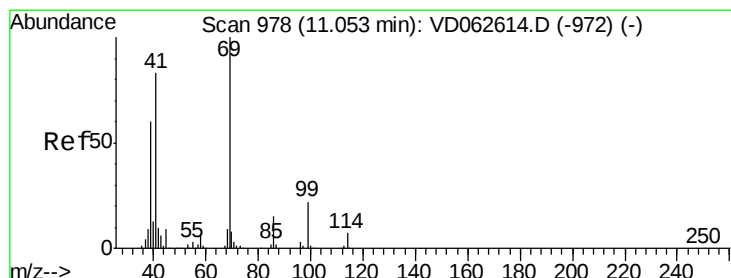
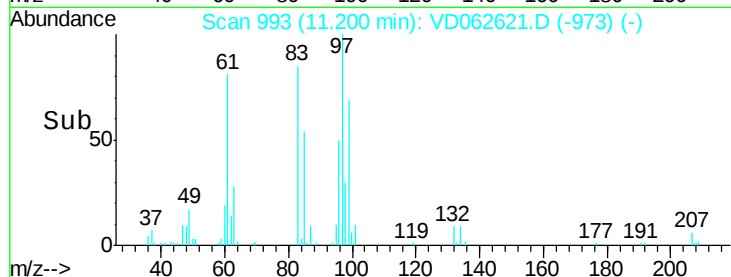
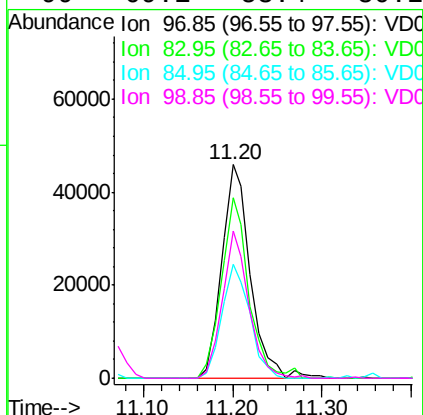
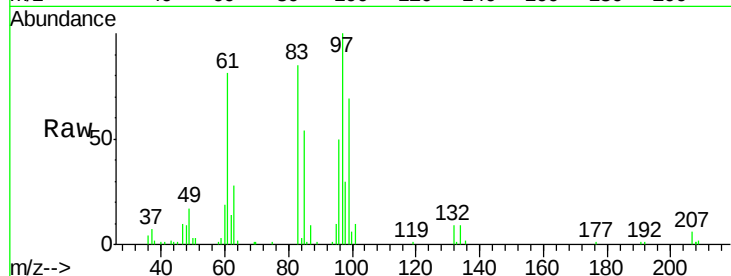




#55
 1,1,2-Trichloroethane
 Concen: 20.071 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

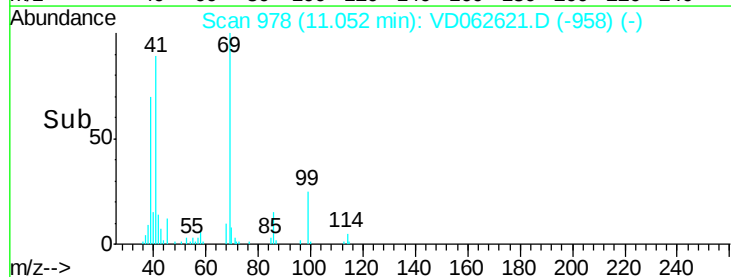
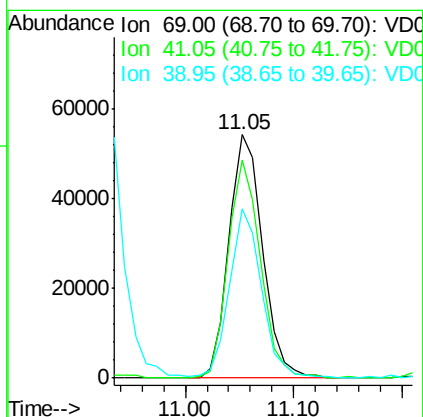
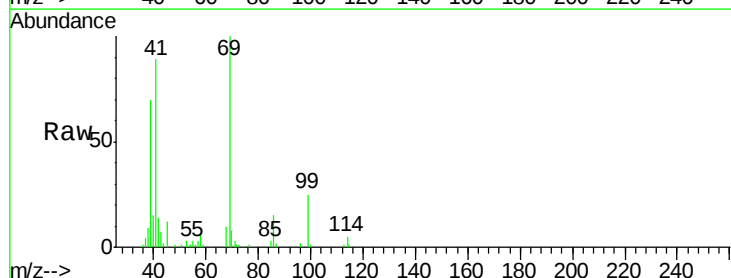
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

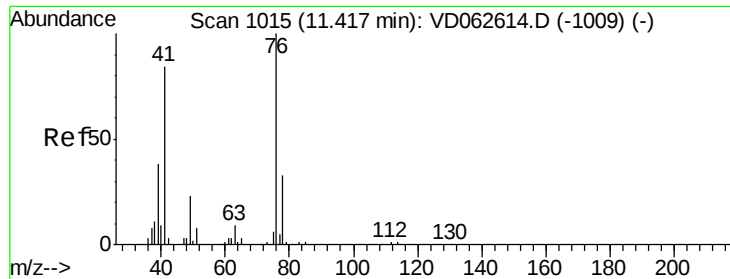
Tot Ion: 97 Resp: 103332
 Ion Ratio Lower Upper
 97 100
 83 84.8 65.9 98.9
 85 53.5 42.6 63.8
 99 69.1 53.4 80.2



#56
 Ethyl methacrylate
 Concen: 20.431 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Tgt Ion: 69 Resp: 117232
 Ion Ratio Lower Upper
 69 100
 41 89.3 66.3 99.5
 39 69.8 48.3 72.5

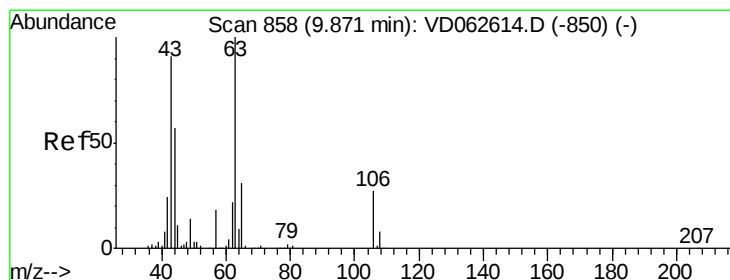
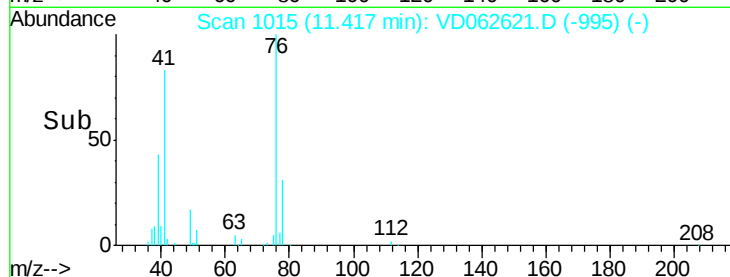
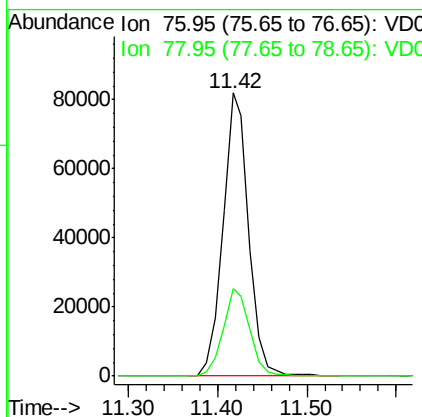
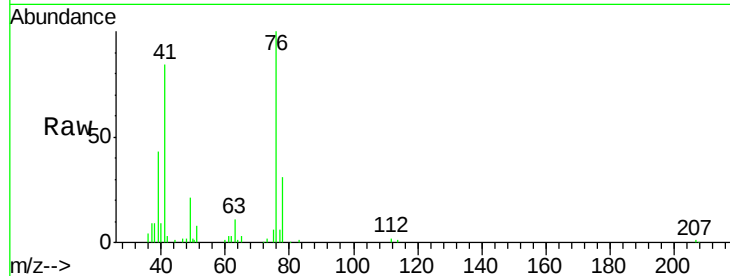




#57
 1,3-Dichloropropane
 Concen: 20.563 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

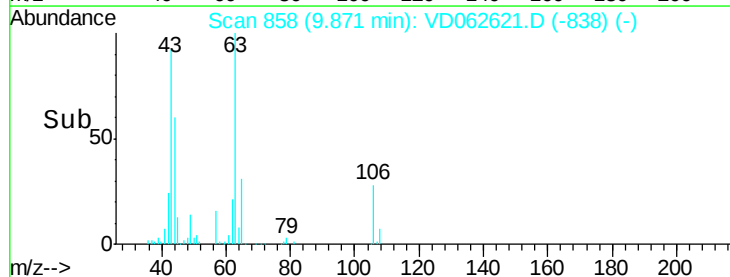
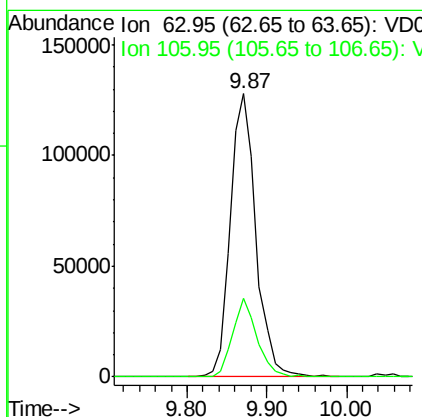
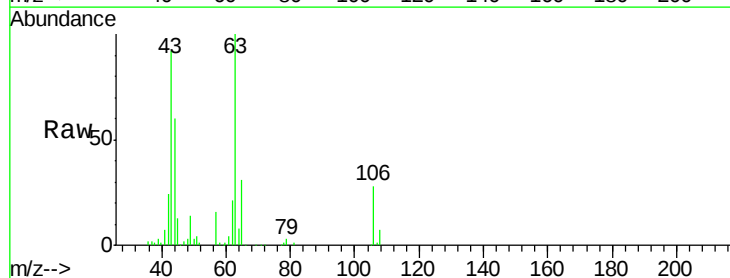
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

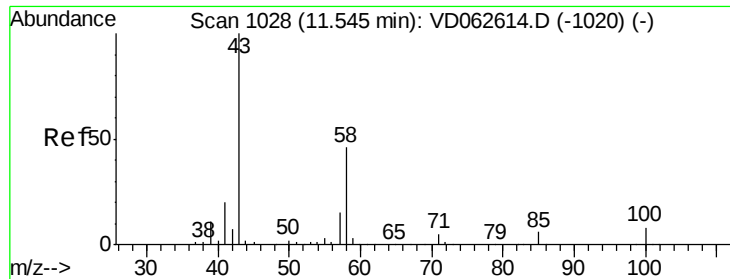
Tot Ion: 76 Resp: 165284
 Ion Ratio Lower Upper
 76 100
 78 31.1 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.753 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Tgt Ion: 63 Resp: 287676
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.3 31.9

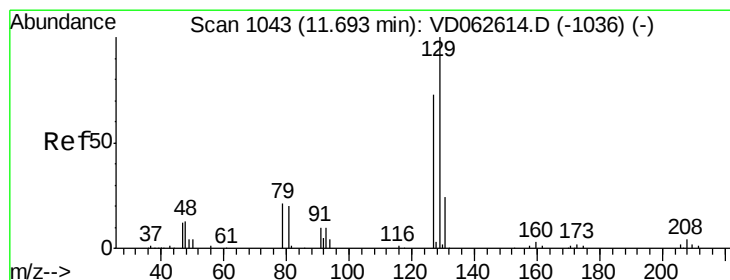
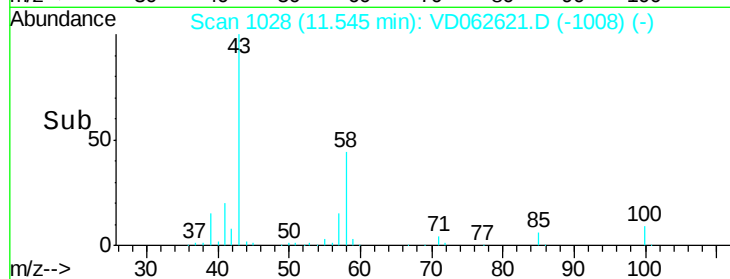
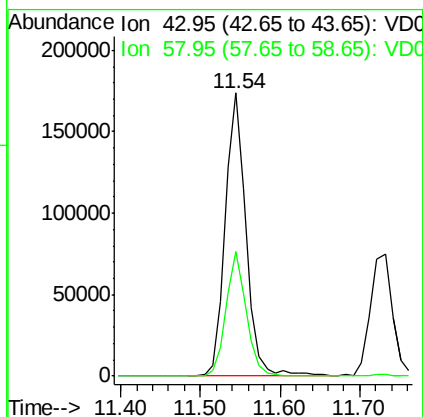
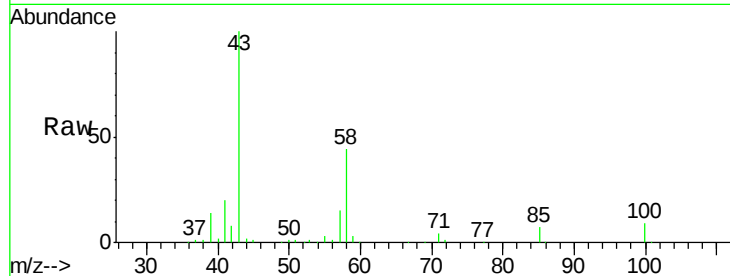




#59
2-Hexanone
Concen: 102.082 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

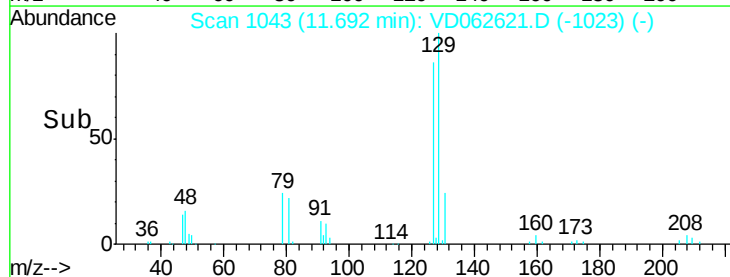
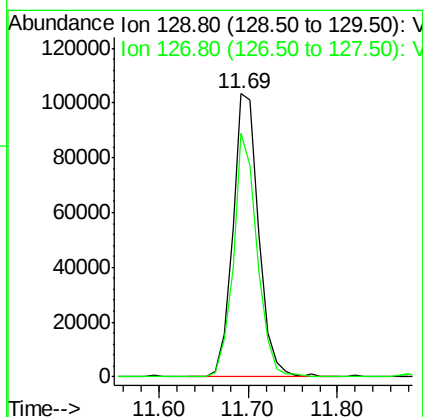
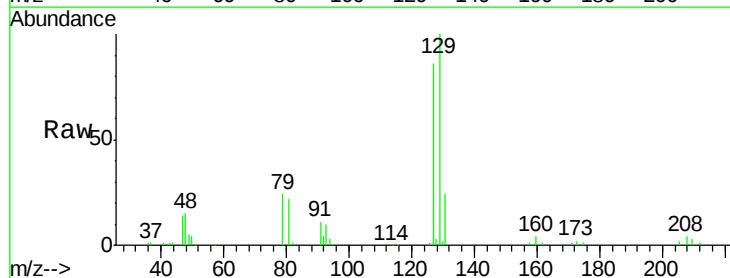
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

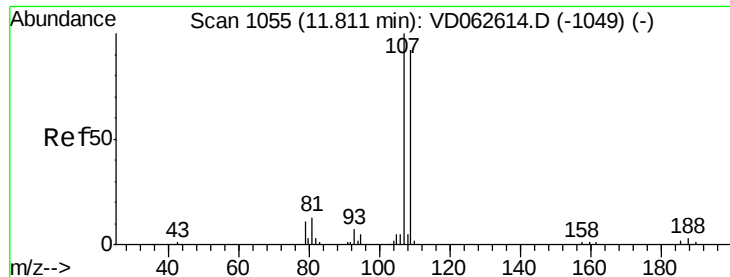
Tot Ion: 43 Resp: 320222
Ion Ratio Lower Upper
43 100
58 43.9 22.8 68.3



#60
Dibromochloromethane
Concen: 20.814 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion:129 Resp: 209387
Ion Ratio Lower Upper
129 100
127 86.1 36.6 109.9

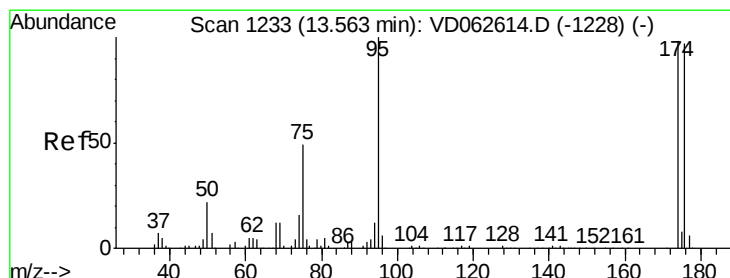
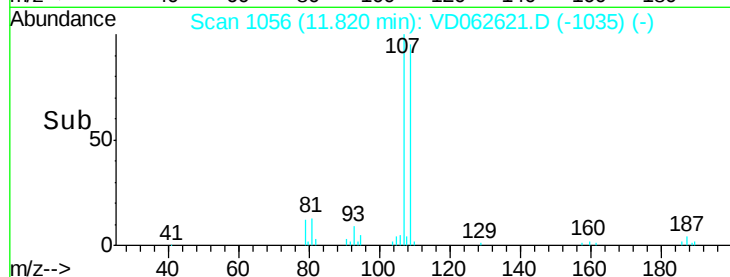
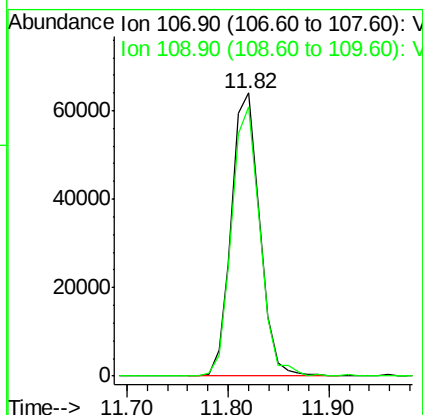
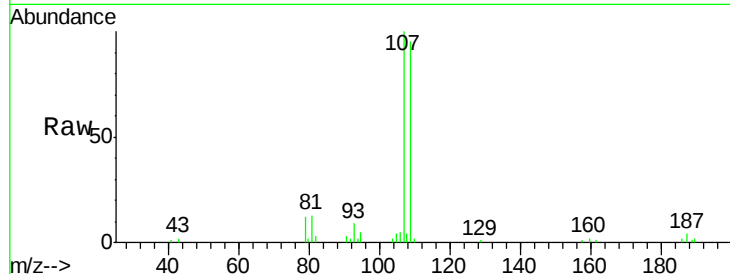




#61
 1,2-Dibromoethane
 Concen: 19.821 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

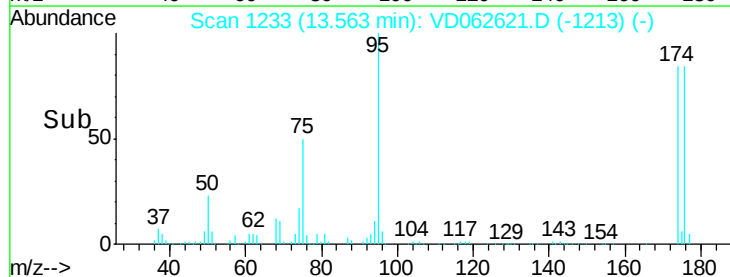
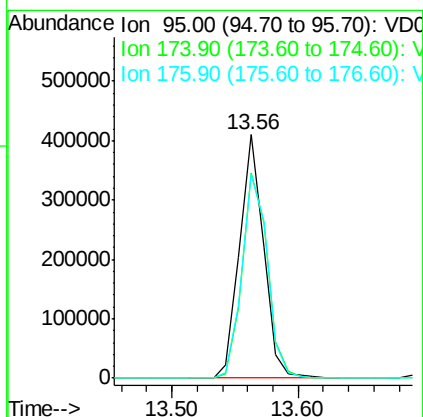
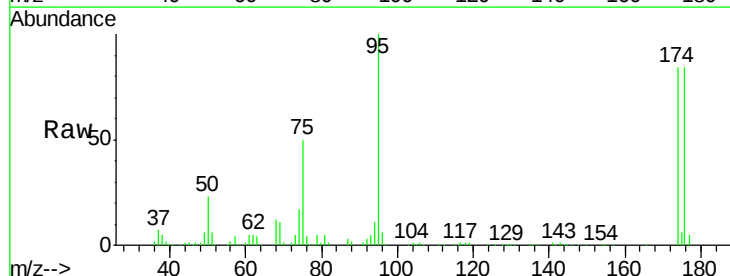
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

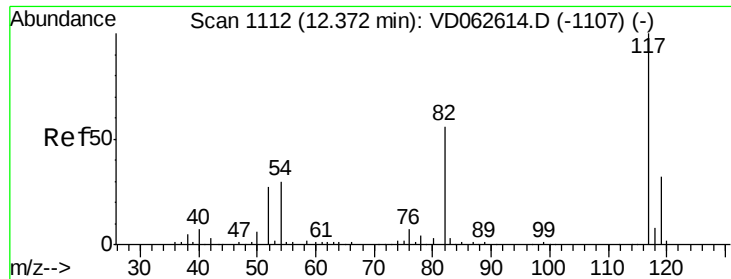
Tot Ion:107 Resp: 124982
 Ion Ratio Lower Upper
 107 100
 109 95.0 73.8 110.8



#62
 4-Bromofluorobenzene
 Concen: 48.903 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Tgt Ion: 95 Resp: 537813
 Ion Ratio Lower Upper
 95 100
 174 84.3 0.0 195.8
 176 83.6 0.0 193.2

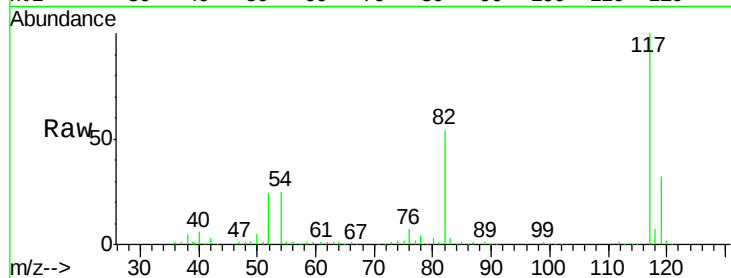




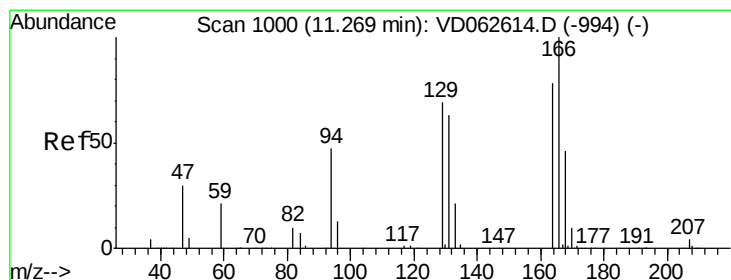
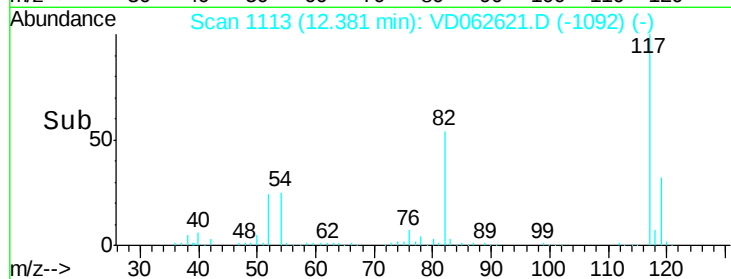
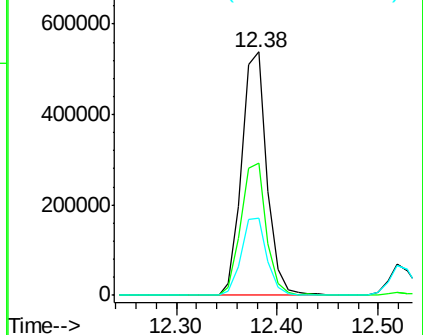
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

Tot Ion:117 Resp: 939337
Ion Ratio Lower Upper
117 100
82 54.4 45.0 67.6
119 31.7 25.7 38.5

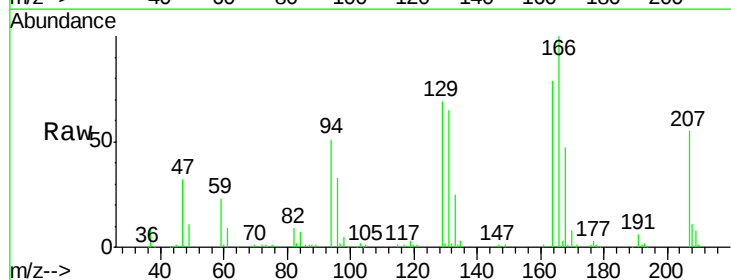


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

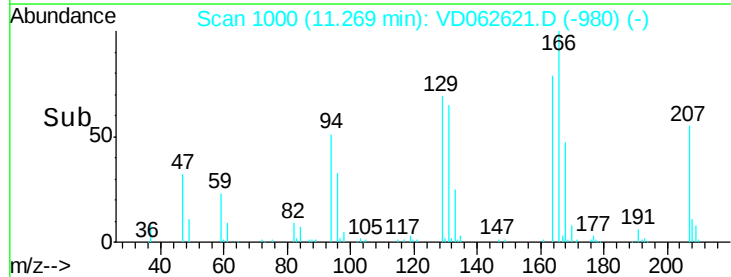
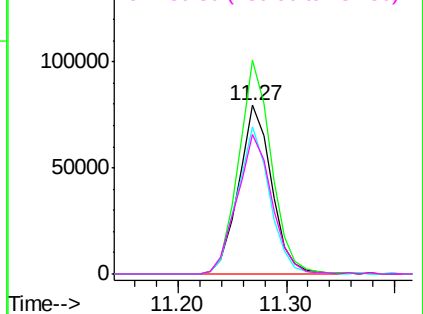


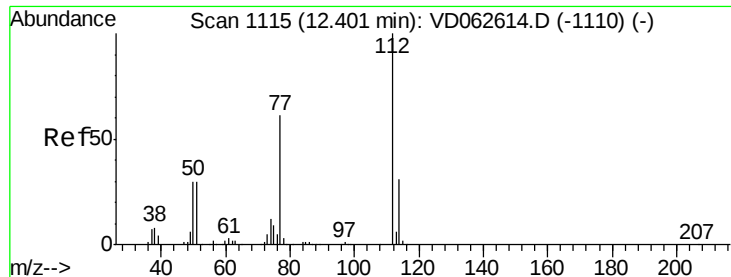
#64
Tetrachloroethene
Concen: 19.845 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion:164 Resp: 168350
Ion Ratio Lower Upper
164 100
166 126.7 102.6 153.8
129 87.0 70.3 105.5
131 82.8 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

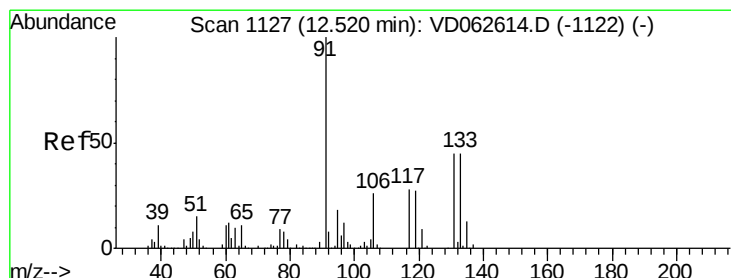
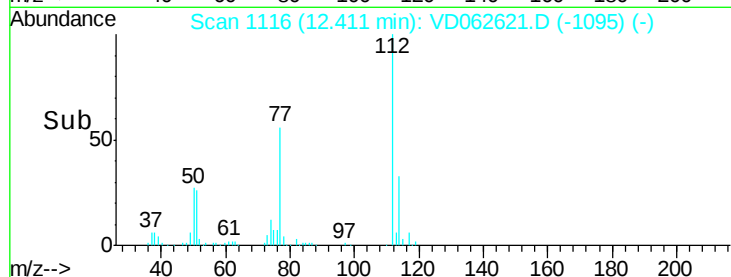
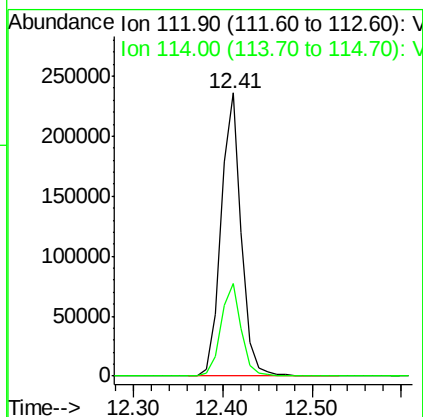
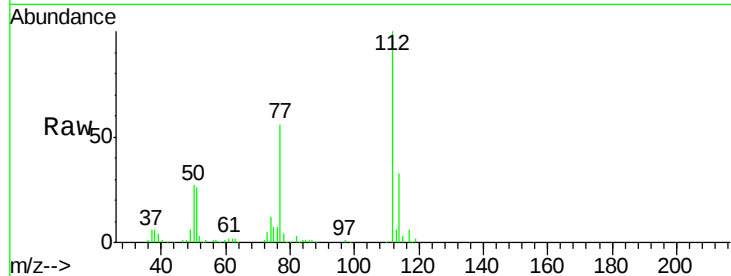




#65
Chlorobenzene
Concen: 19.287 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

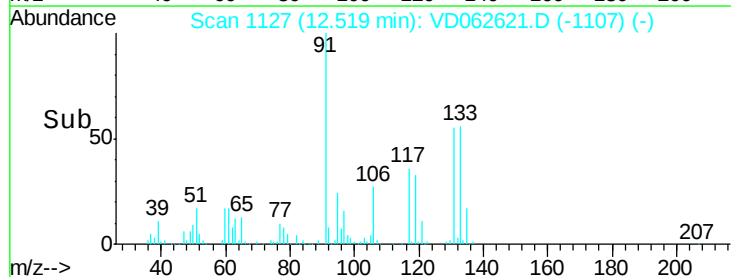
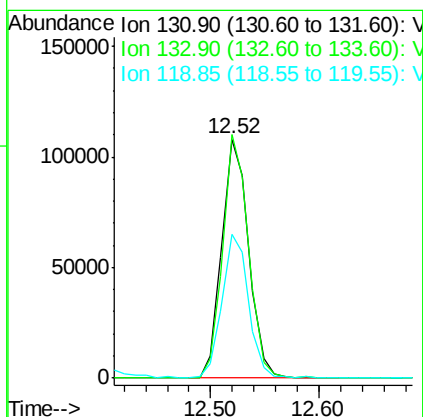
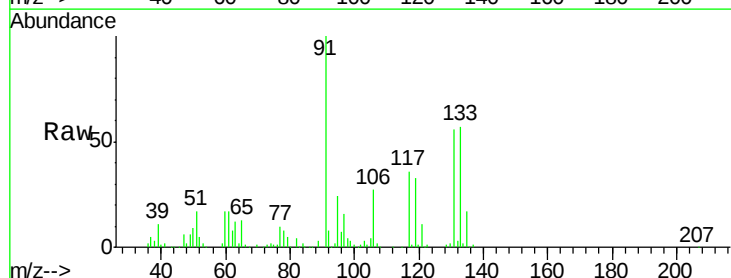
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

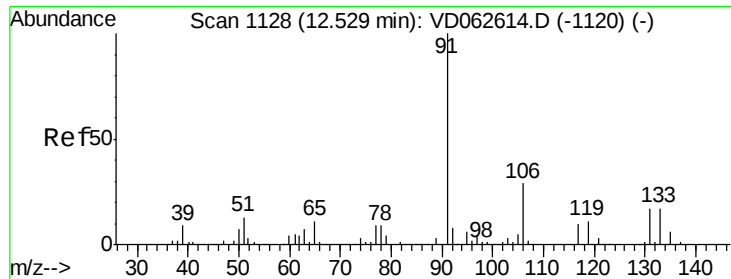
Tot Ion:112 Resp: 376454
Ion Ratio Lower Upper
112 100
114 32.8 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.819 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion:131 Resp: 185958
Ion Ratio Lower Upper
131 100
133 101.8 50.1 150.4
119 60.1 30.1 90.3

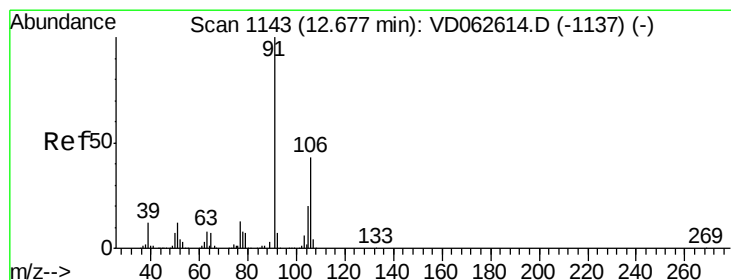
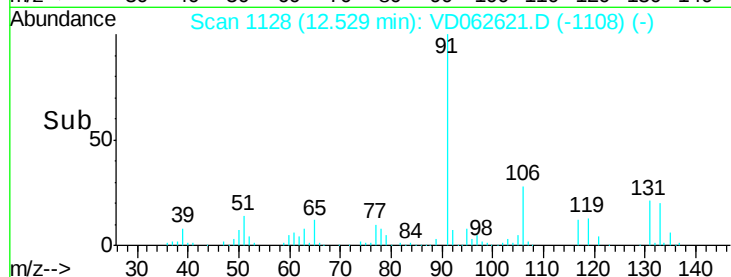
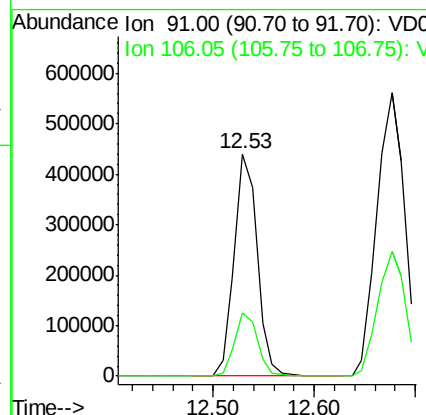
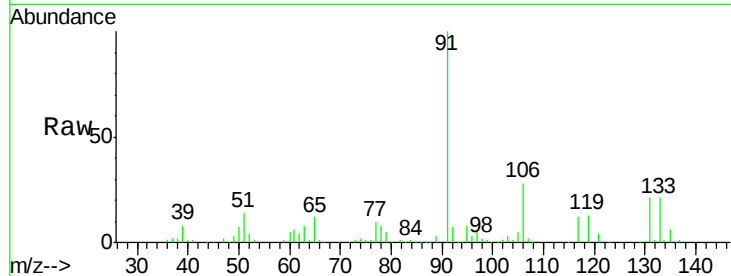




#67
Ethyl Benzene
Concen: 19.840 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

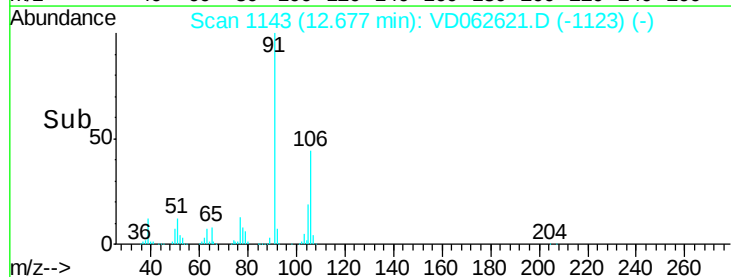
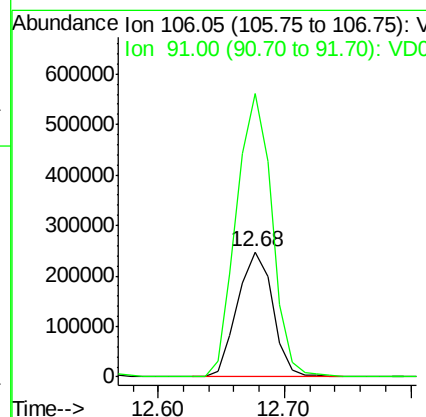
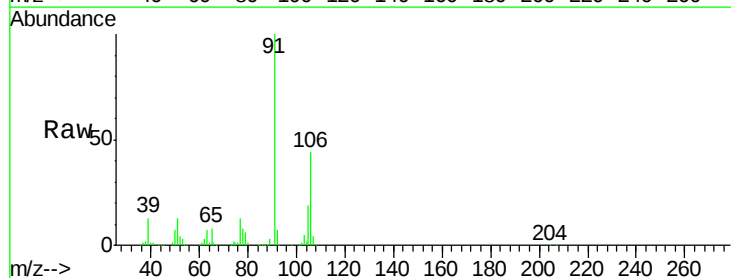
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

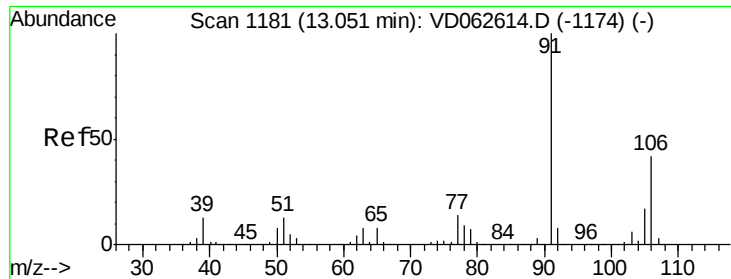
Tot Ion: 91 Resp: 699907
Ion Ratio Lower Upper
91 100
106 28.3 23.0 34.4



#68
m/p-Xylenes
Concen: 39.192 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion: 106 Resp: 482278
Ion Ratio Lower Upper
106 100
91 226.5 184.1 276.1

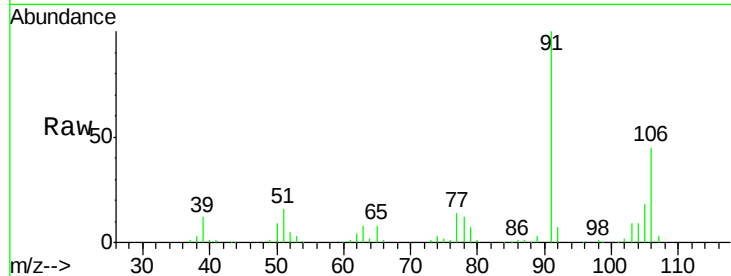




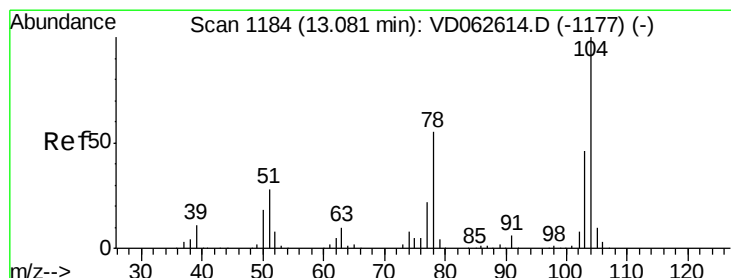
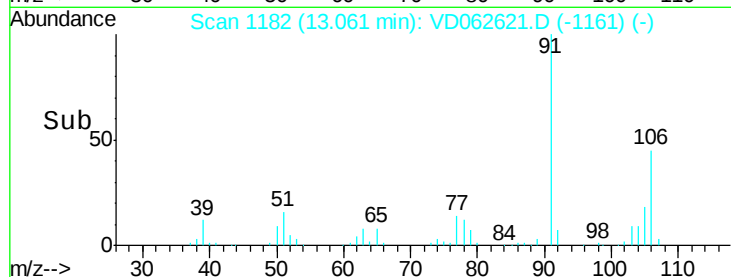
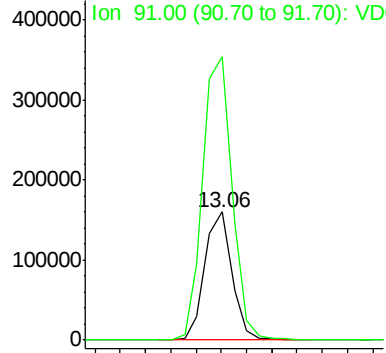
#69
o-Xylene
Concen: 20.189 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

Tot Ion:106 Resp: 239377
Ion Ratio Lower Upper
106 100
91 221.3 118.8 356.5

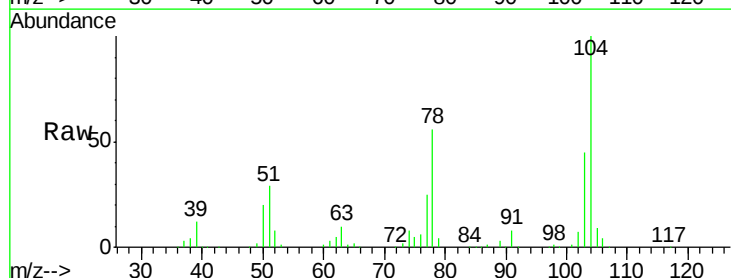


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

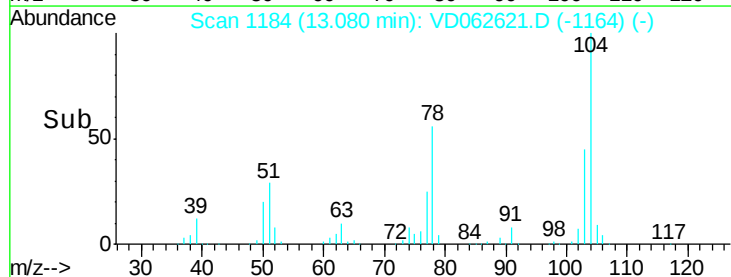
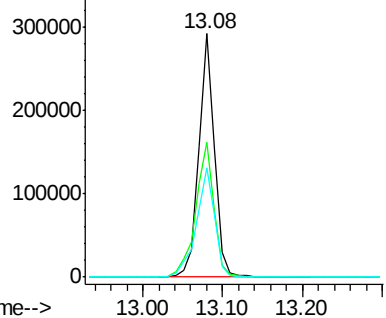


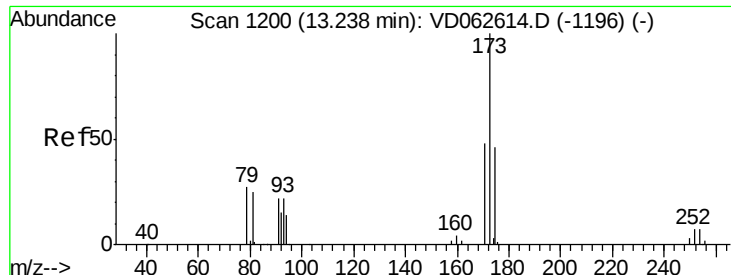
#70
Styrene
Concen: 20.382 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion:104 Resp: 405979
Ion Ratio Lower Upper
104 100
78 55.5 43.8 65.8
103 44.9 36.6 54.8



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

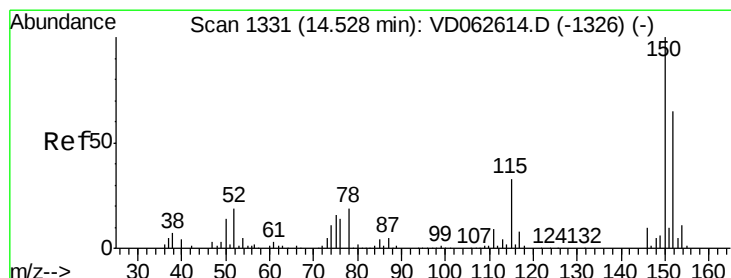
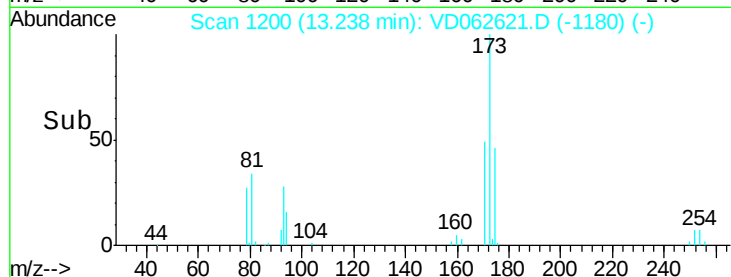
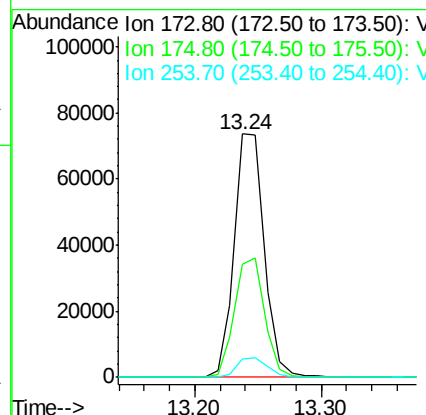
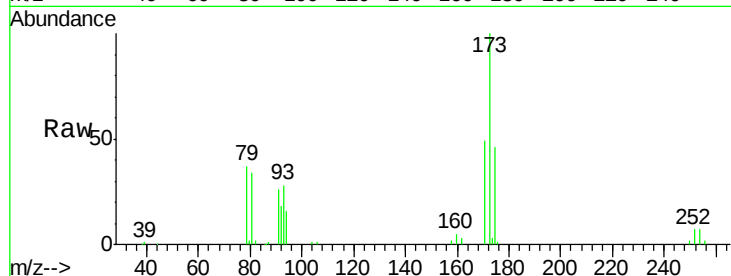




#71
Bromoform
Concen: 18.557 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

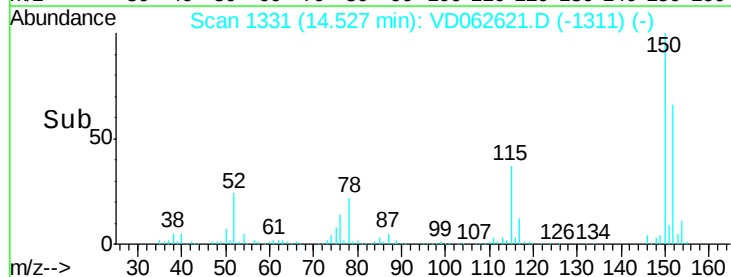
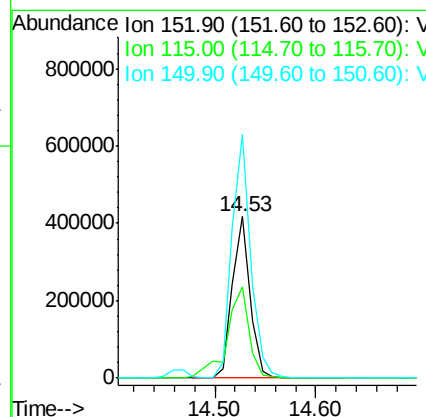
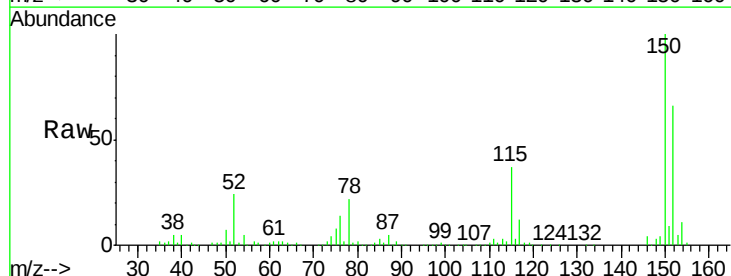
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

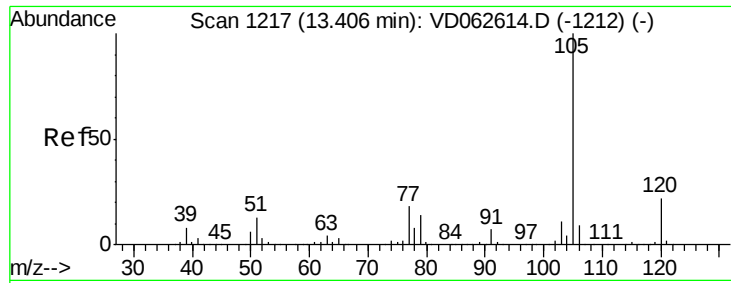
Tot Ion:173 Resp: 120255
Ion Ratio Lower Upper
173 100
175 46.2 23.2 69.5
254 7.3 5.9 8.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion:152 Resp: 504980
Ion Ratio Lower Upper
152 100
115 56.3 27.1 81.3
150 150.9 0.0 315.0





#73

Isopropylbenzene

Concen: 21.652 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

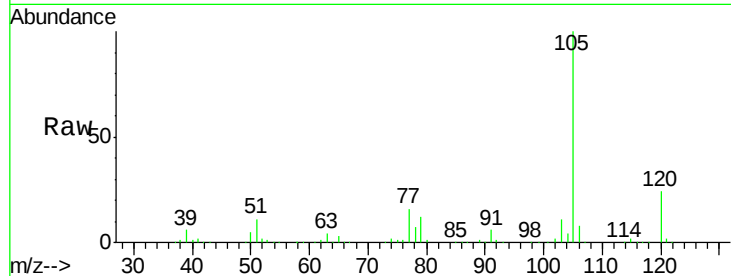
VD0605SBS01

Tot Ion:105 Resp: 760260

Ion Ratio Lower Upper

105 100

120 23.9 11.2 33.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

500000

400000

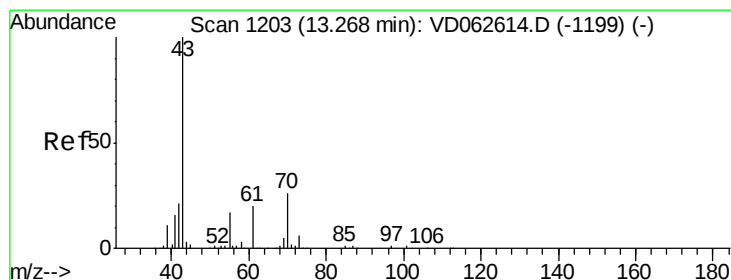
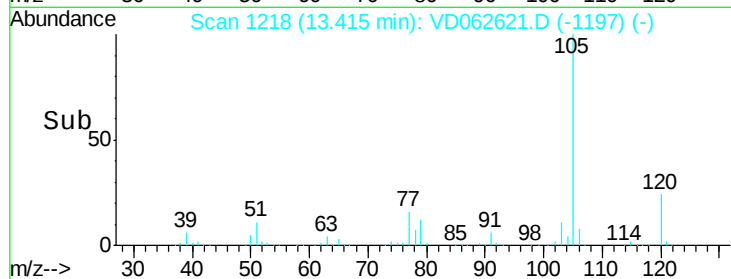
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 19.391 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Tgt Ion: 43 Resp: 175808

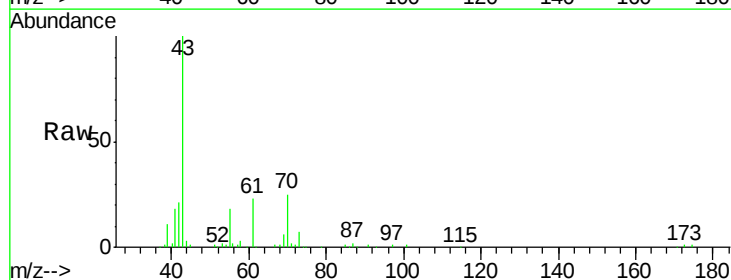
Ion Ratio Lower Upper

43 100

70 24.9 20.5 30.7

55 17.6 13.8 20.8

61 22.9 15.9 23.9



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.28

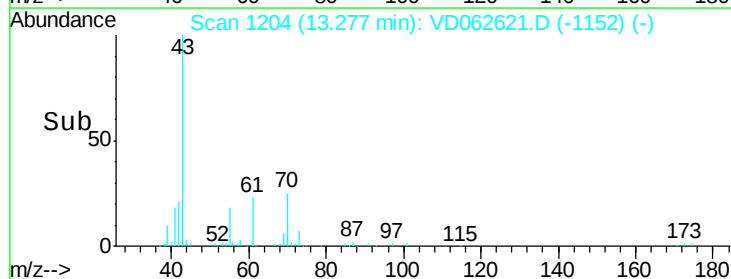
150000

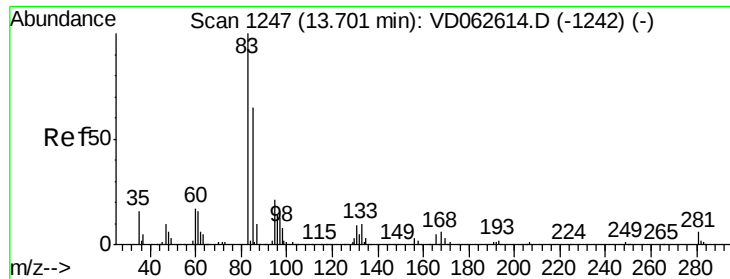
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 18.246 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBS01

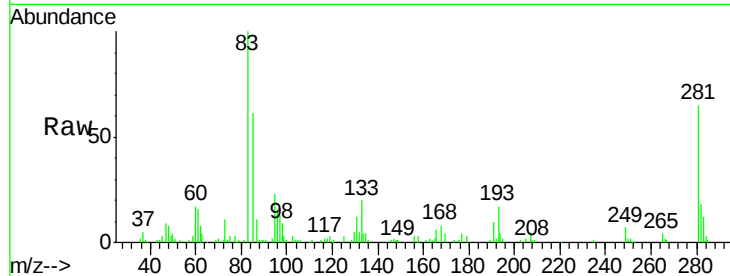
Tot Ion: 83 Resp: 107396

Ion Ratio Lower Upper

83 100

131 12.2 4.7 14.0

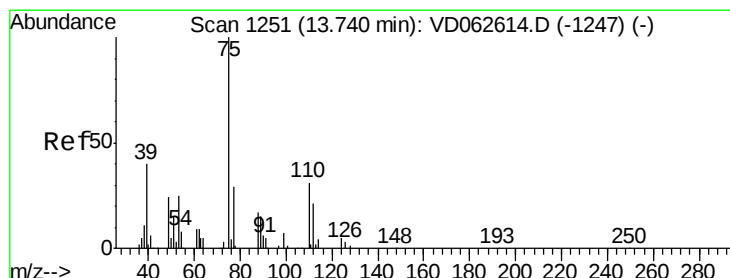
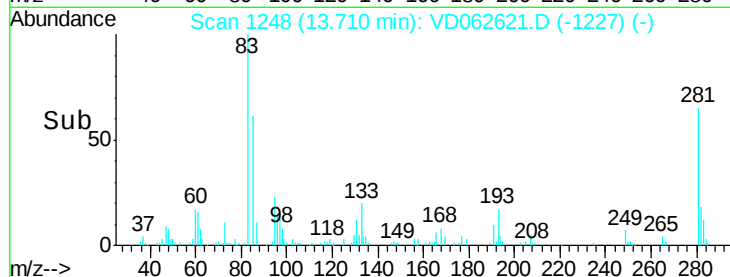
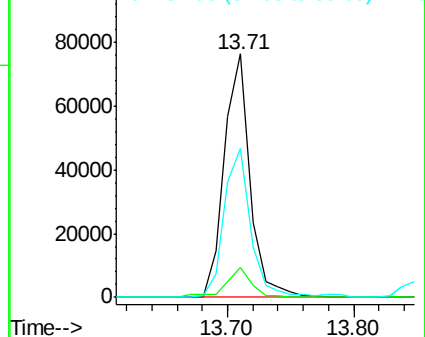
85 61.4 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 19.705 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD062621.D

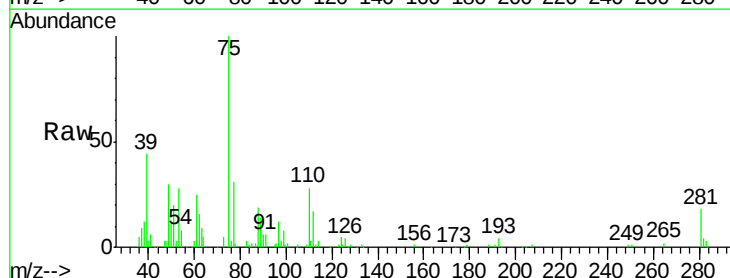
Acq: 6 Jun 2019 12:16

Tgt Ion: 75 Resp: 129803

Ion Ratio Lower Upper

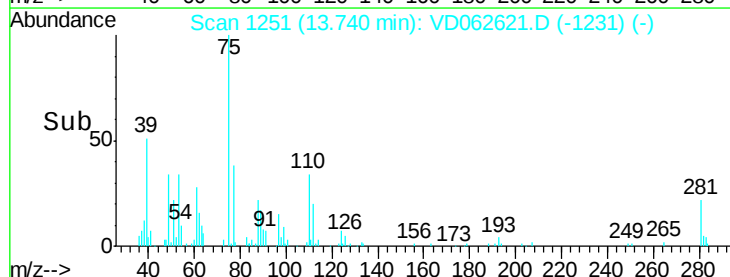
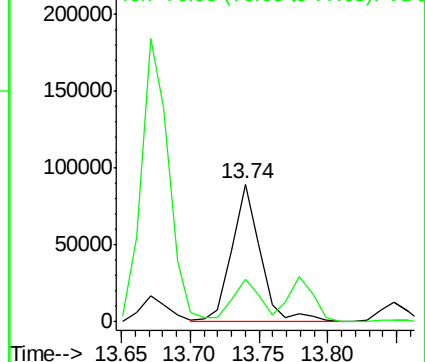
75 100

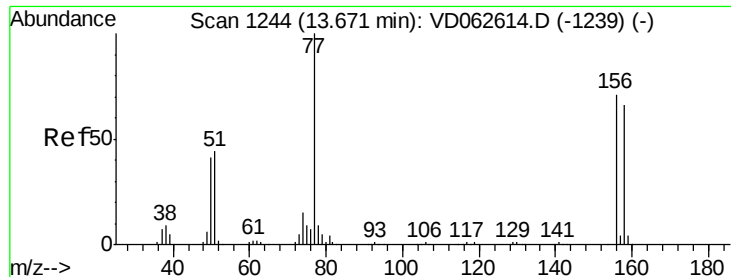
77 31.2 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.340 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBS01

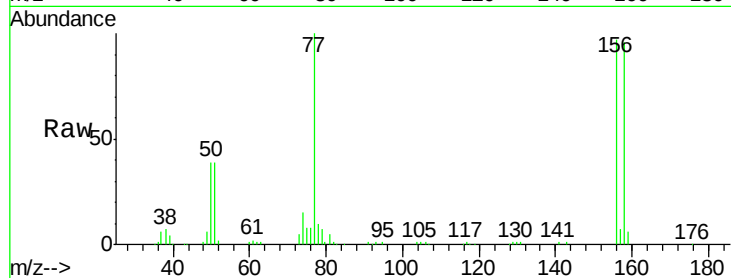
Tot Ion:156 Resp: 198657

Ion Ratio Lower Upper

156 100

77 102.7 70.5 211.5

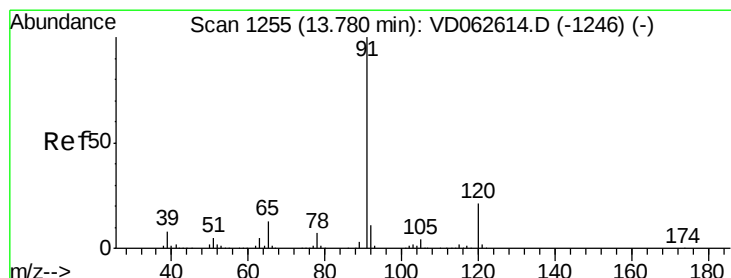
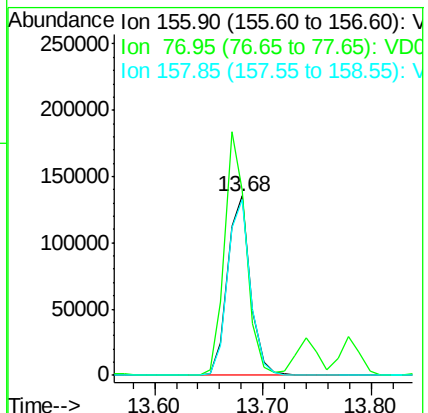
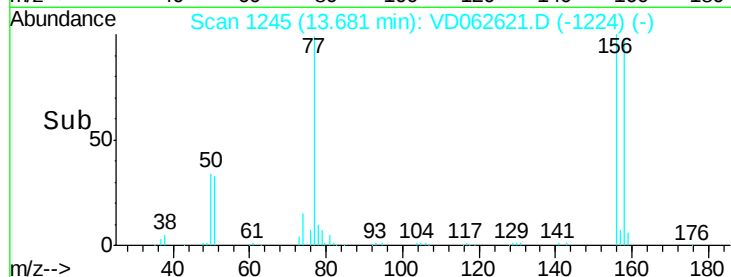
158 98.4 46.9 140.6



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: 20.081 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062621.D

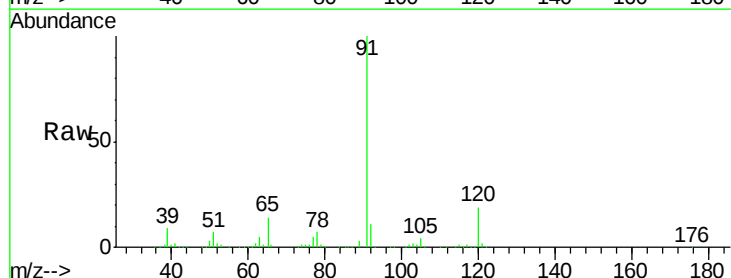
Acq: 6 Jun 2019 12:16

Tgt Ion: 91 Resp: 817721

Ion Ratio Lower Upper

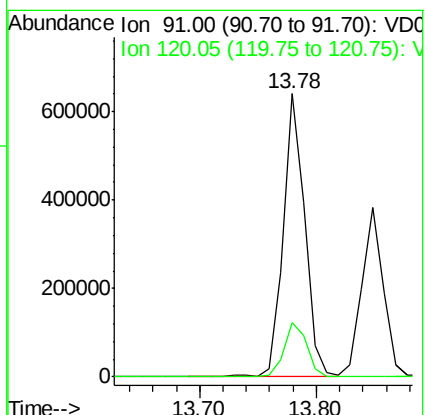
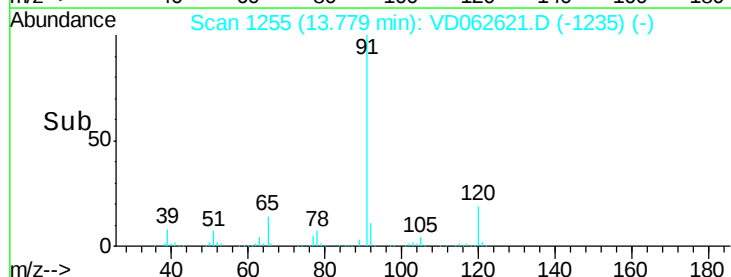
91 100

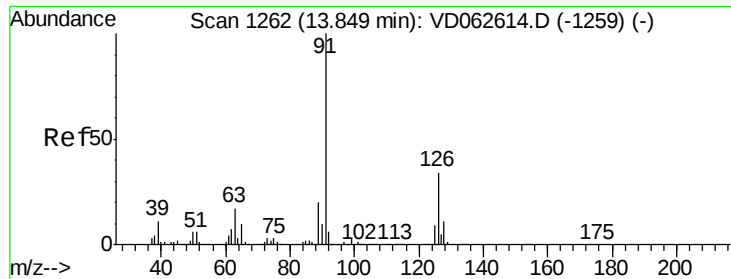
120 19.1 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

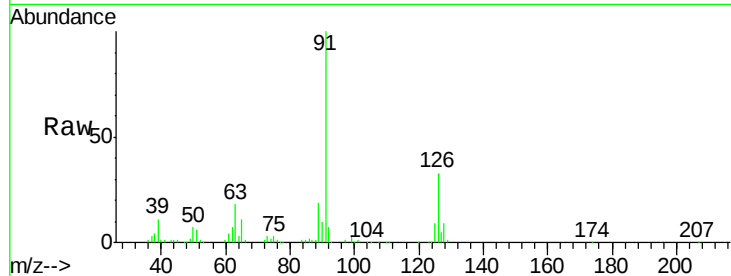




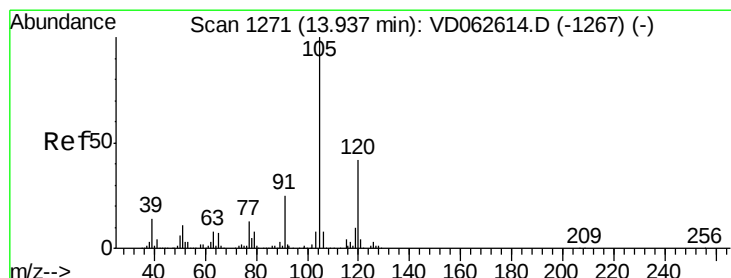
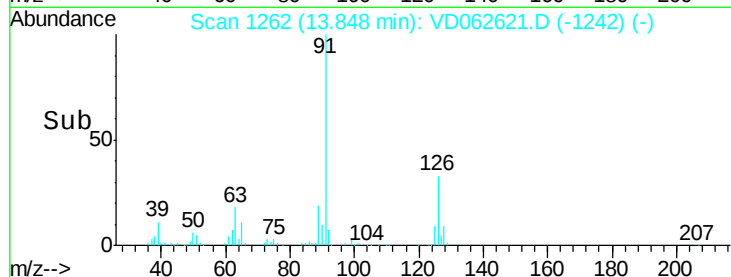
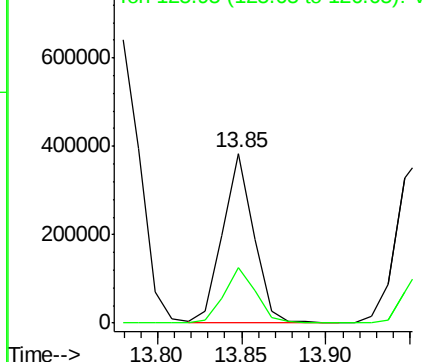
#79
2-Chlorotoluene
Concen: 19.879 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

Tot Ion: 91 Resp: 490765
Ion Ratio Lower Upper
91 100
126 32.8 16.7 50.1

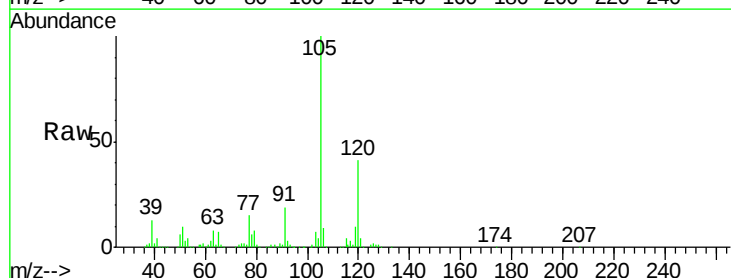


Abundance Ion 91.00 (90.70 to 91.70): VD062621.D (-1242) (-)
Ion 125.95 (125.65 to 126.65): VD062621.D (-1242) (-)

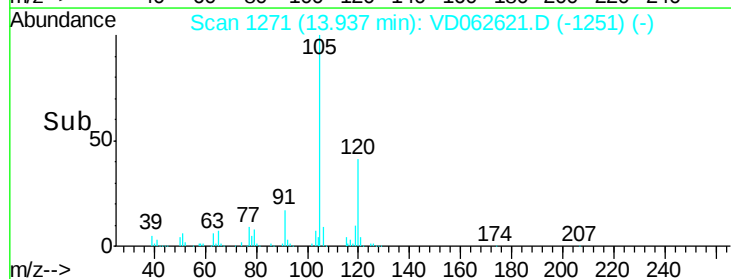
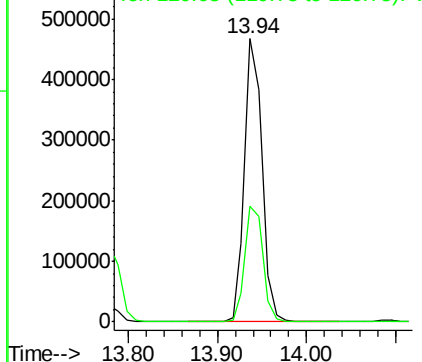


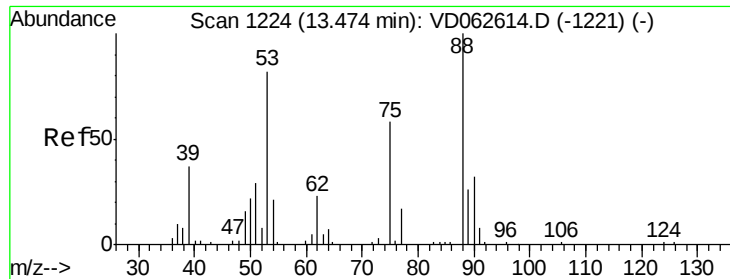
#80
1,3,5-Trimethylbenzene
Concen: 21.274 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion: 105 Resp: 642860
Ion Ratio Lower Upper
105 100
120 41.1 21.1 63.4



Abundance Ion 105.05 (104.75 to 105.75): VD062621.D (-1251) (-)
Ion 120.05 (119.75 to 120.75): VD062621.D (-1251) (-)

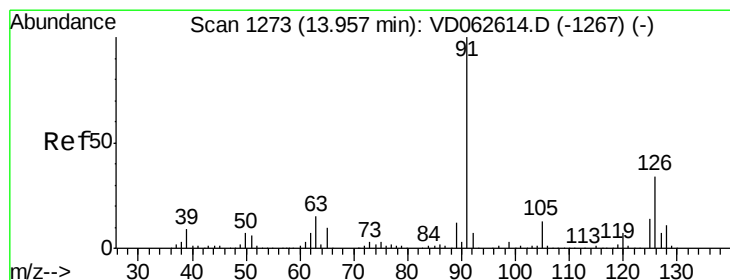
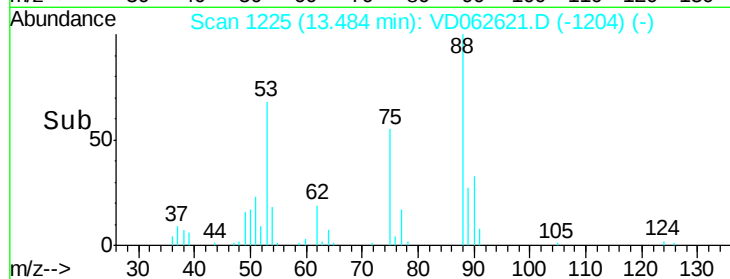
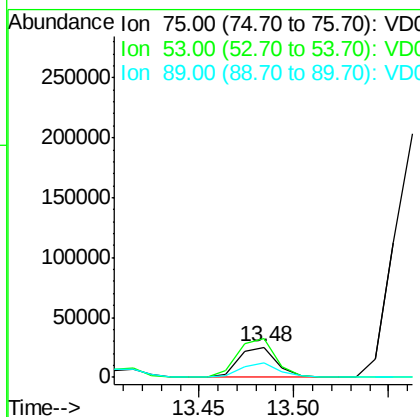
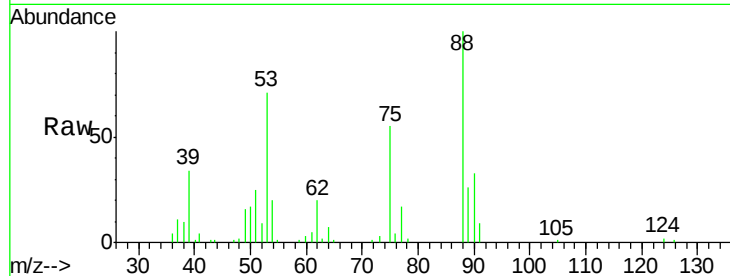




#81
trans-1,4-Dichloro-2-butene
Concen: 20.731 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

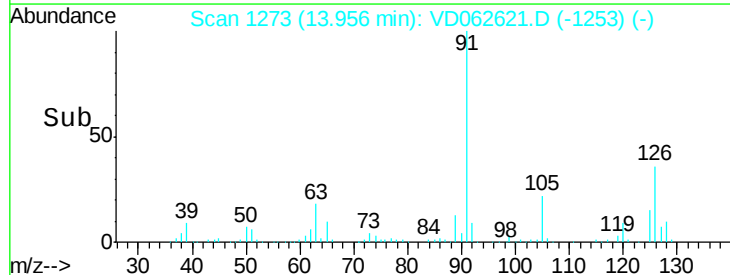
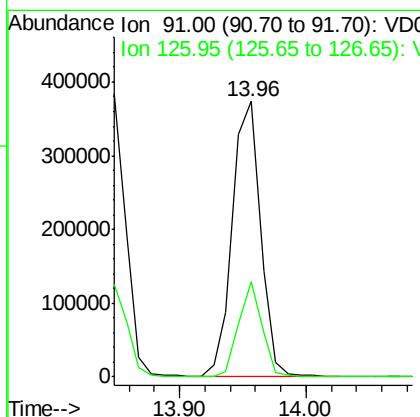
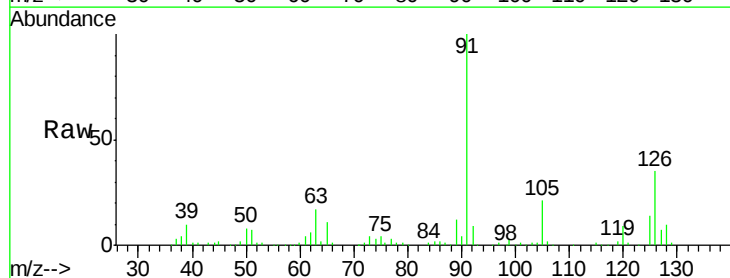
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

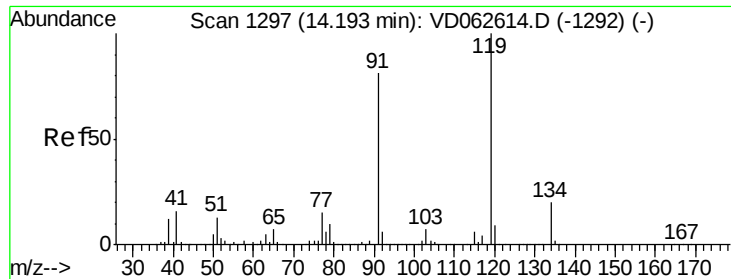
Tot Ion: 75 Resp: 35103
Ion Ratio Lower Upper
75 100
53 130.4 113.2 169.8
89 48.3 36.9 55.3



#82
4-Chlorotoluene
Concen: 19.722 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion: 91 Resp: 572965
Ion Ratio Lower Upper
91 100
126 34.6 16.8 50.4

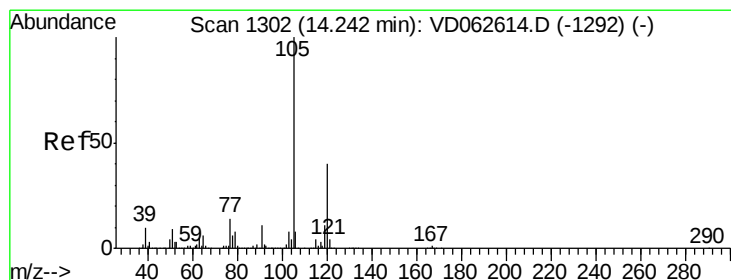
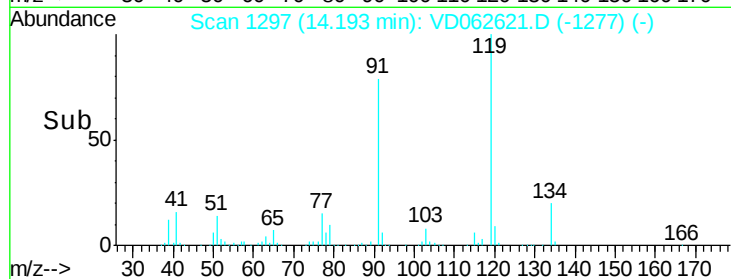
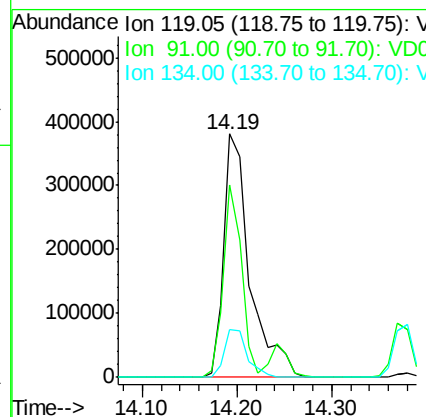
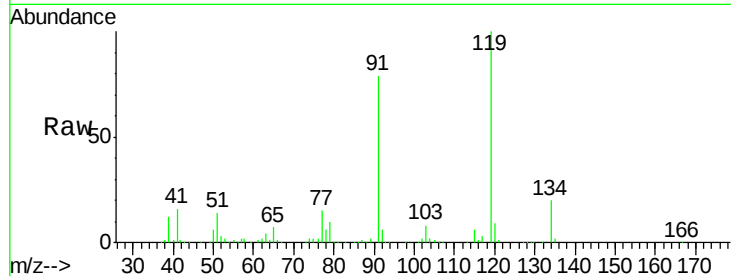




#83
tert-Butylbenzene
Concen: 21.806 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

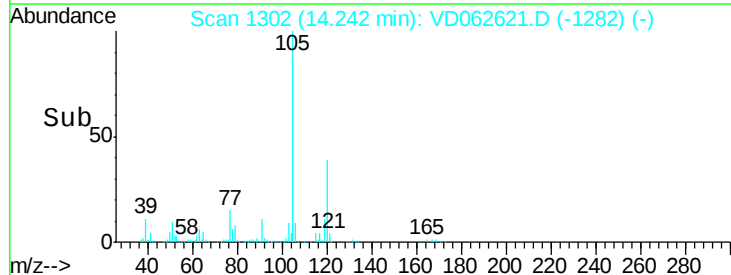
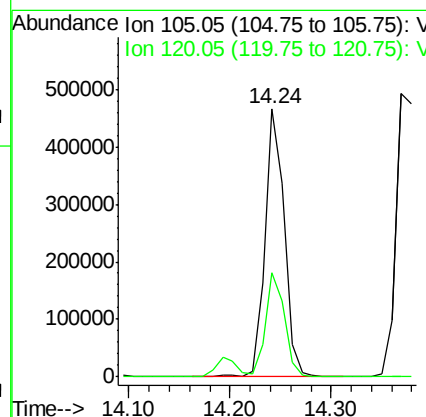
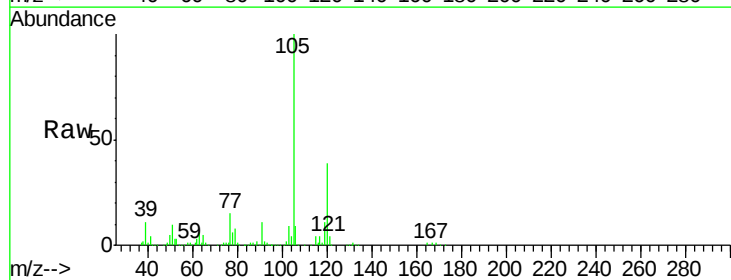
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

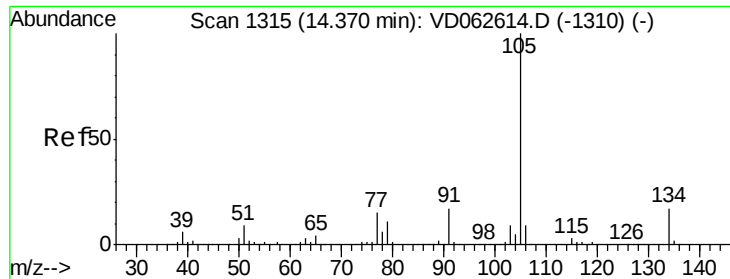
Tot Ion:119 Resp: 725598
Ion Ratio Lower Upper
119 100
91 79.1 40.8 122.2
134 19.7 10.3 30.8



#84
1,2,4-Trimethylbenzene
Concen: 20.144 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion:105 Resp: 623058
Ion Ratio Lower Upper
105 100
120 38.8 19.9 59.7





#85

sec-Butylbenzene

Concen: 20.651 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

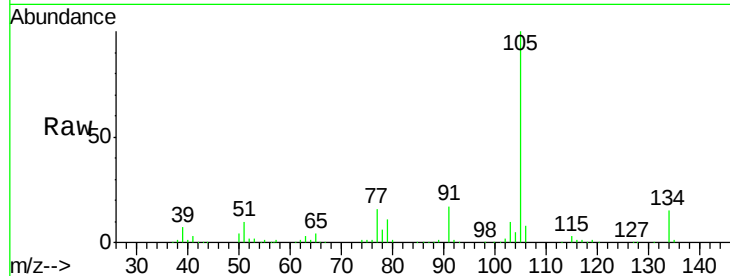
VD0605SBS01

Tot Ion:105 Resp: 708031

Ion Ratio Lower Upper

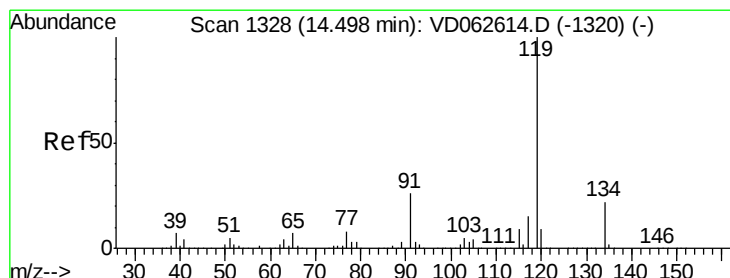
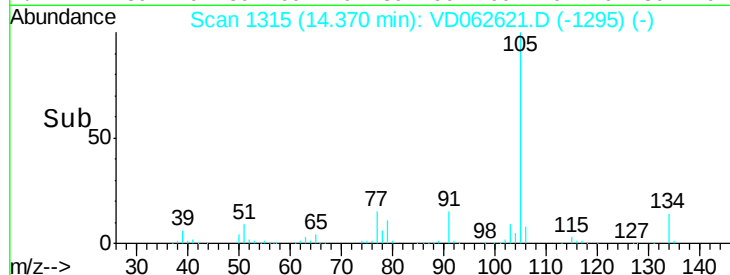
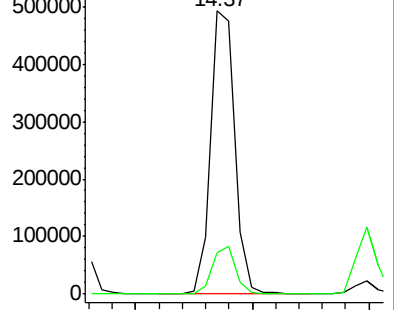
105 100

134 14.8 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: 20.029 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. -0.00 min

Lab File: VD062621.D

Acq: 6 Jun 2019 12:16

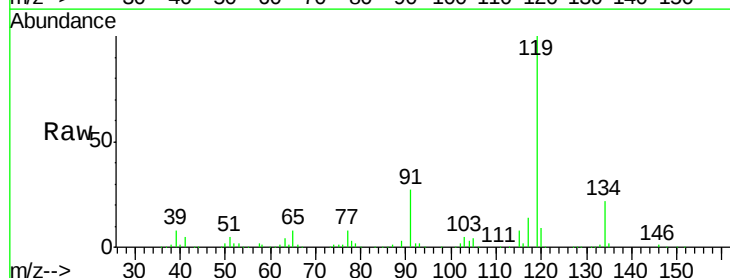
Tgt Ion:119 Resp: 660199

Ion Ratio Lower Upper

119 100

134 21.8 11.2 33.5

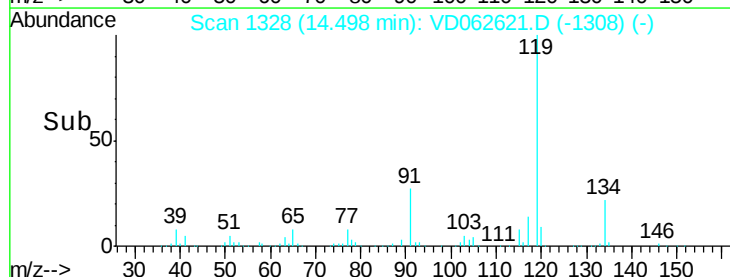
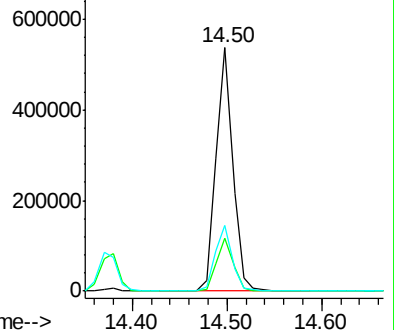
91 27.1 13.3 39.8

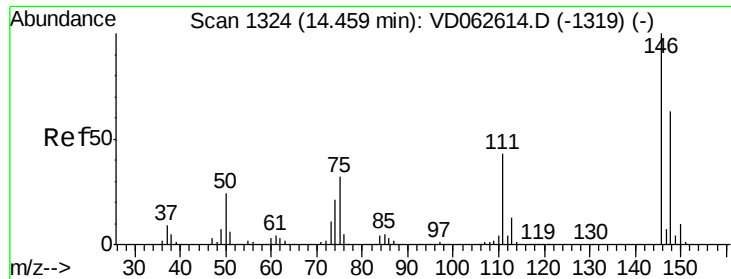


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

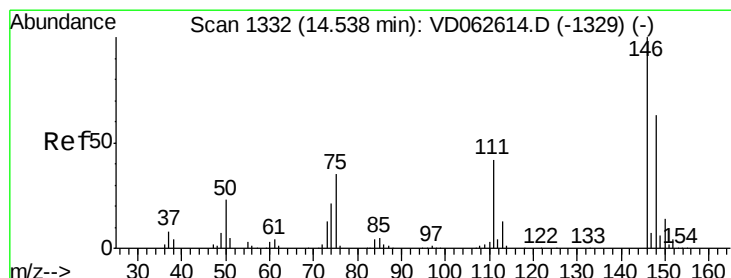
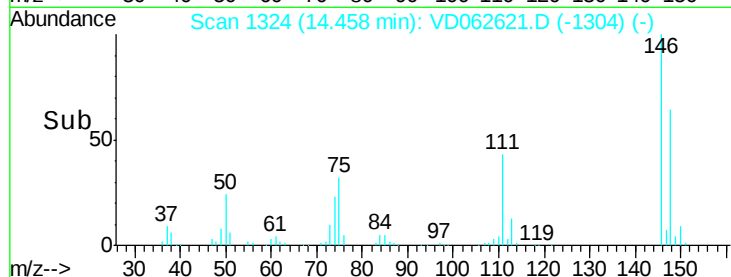
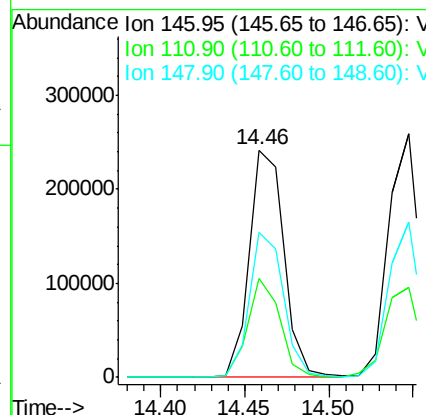
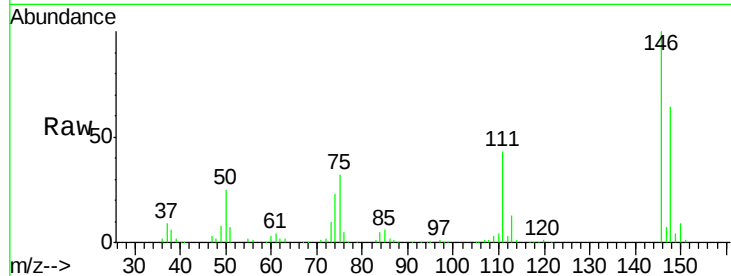




#87
 1,3-Dichlorobenzene
 Concen: 21.082 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

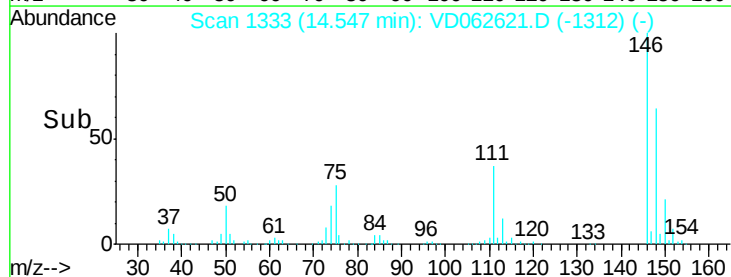
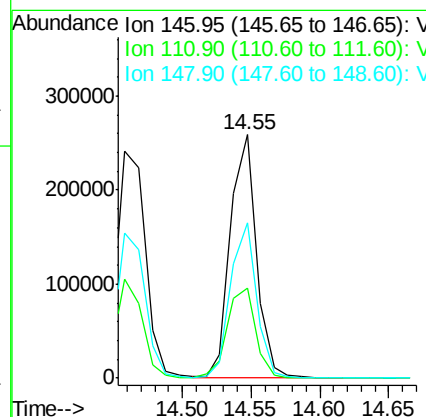
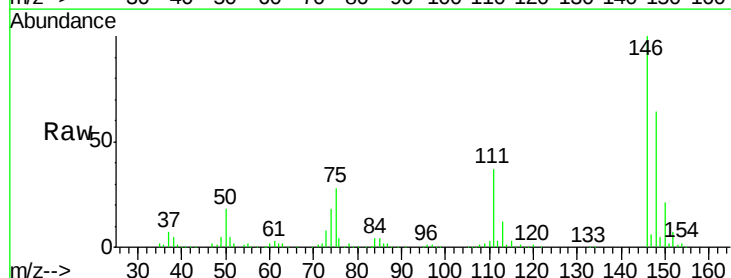
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

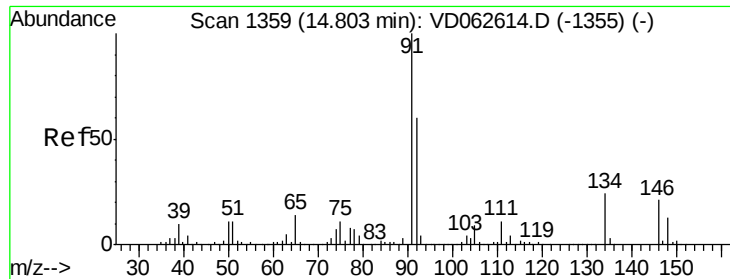
Tot Ion:146 Resp: 345567
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.6 64.6
 148 63.7 31.3 93.8



#88
 1,4-Dichlorobenzene
 Concen: 20.635 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Tgt Ion:146 Resp: 342565
 Ion Ratio Lower Upper
 146 100
 111 36.9 20.9 62.8
 148 63.7 31.5 94.5

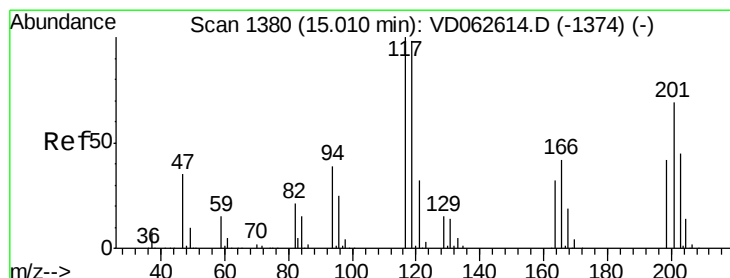
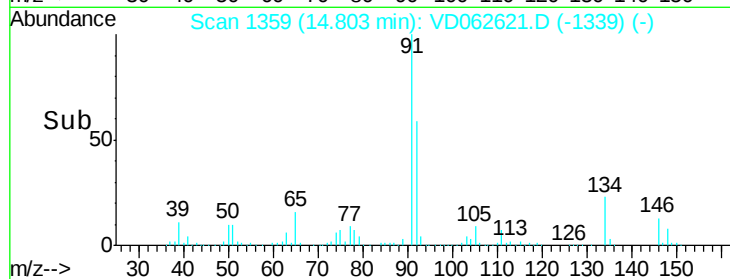
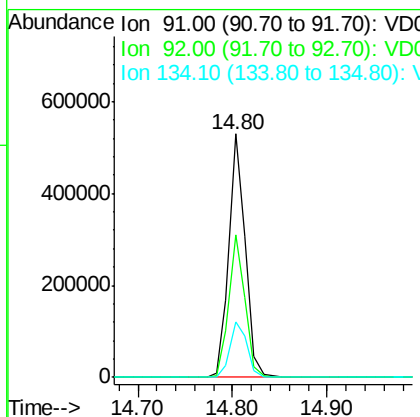
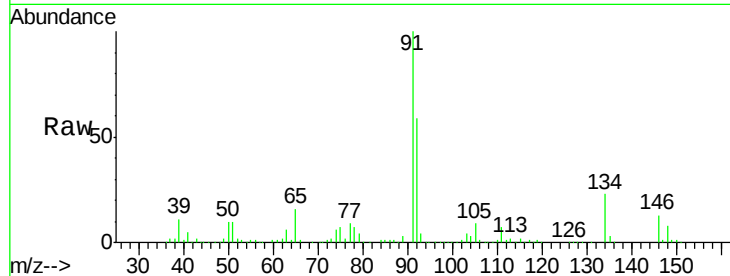




#89
n-Butylbenzene
Concen: 20.771 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

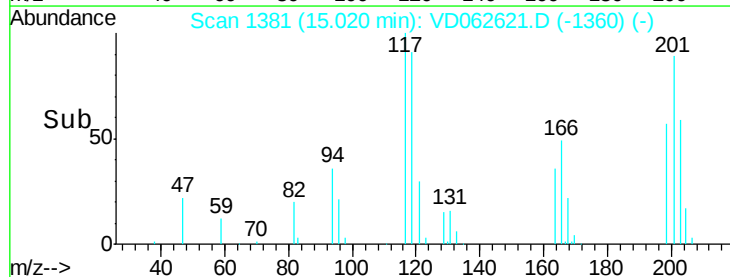
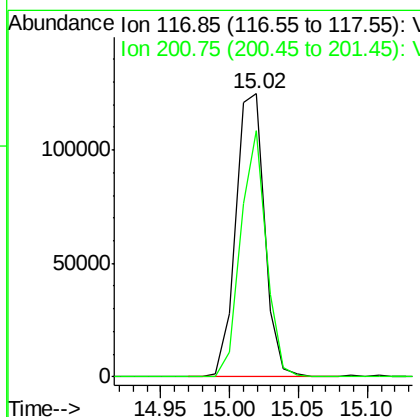
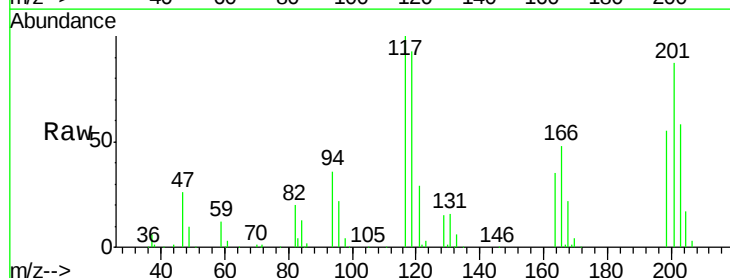
Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

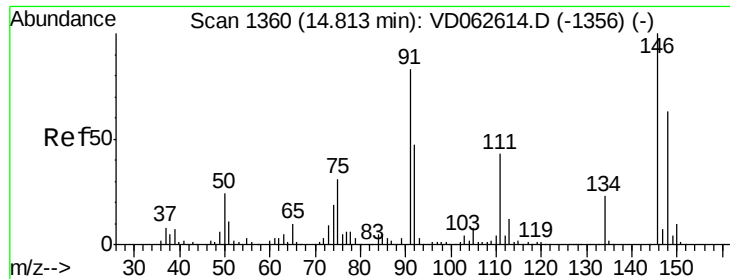
Tot Ion: 91 Resp: 636611
Ion Ratio Lower Upper
91 100
92 58.7 29.9 89.7
134 23.0 12.1 36.3



#90
Hexachloroethane
Concen: 21.078 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion: 117 Resp: 182859
Ion Ratio Lower Upper
117 100
201 87.1 34.4 103.3

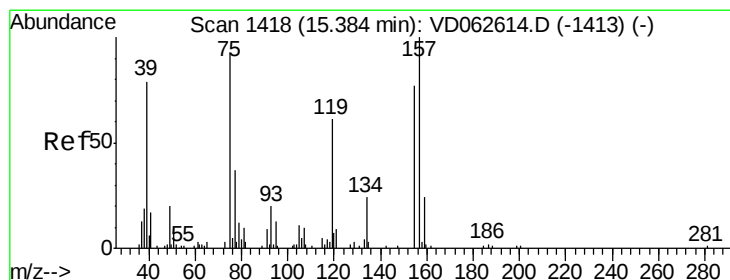
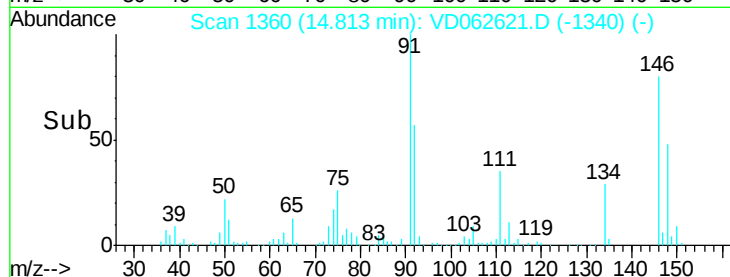
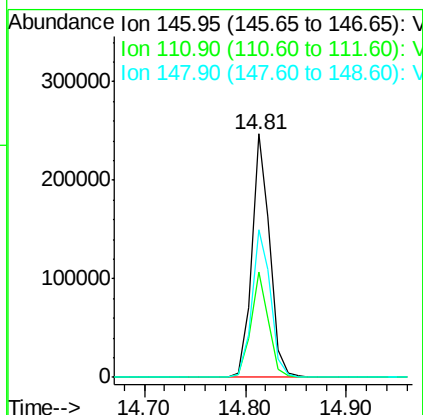
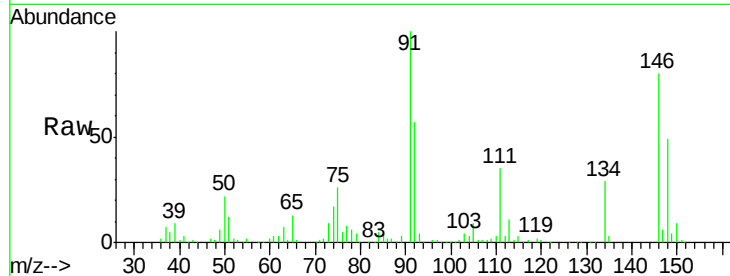




#91
 1,2-Dichlorobenzene
 Concen: 20.419 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

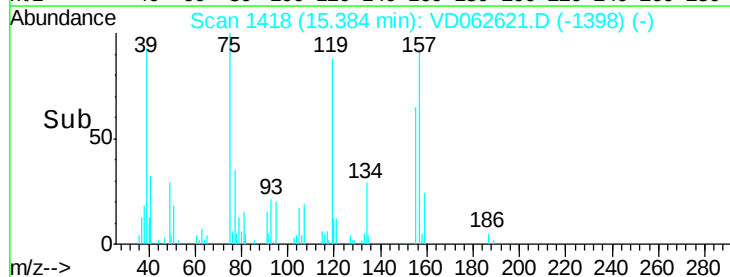
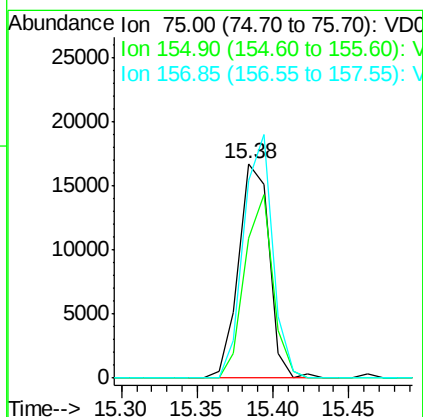
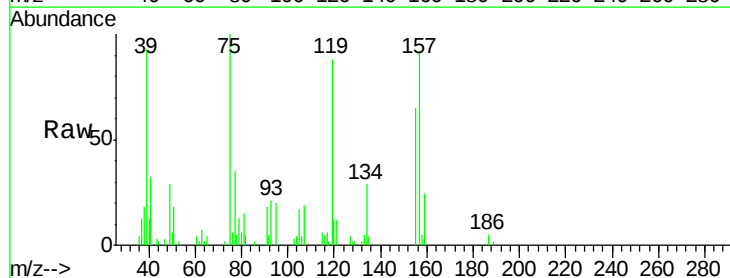
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

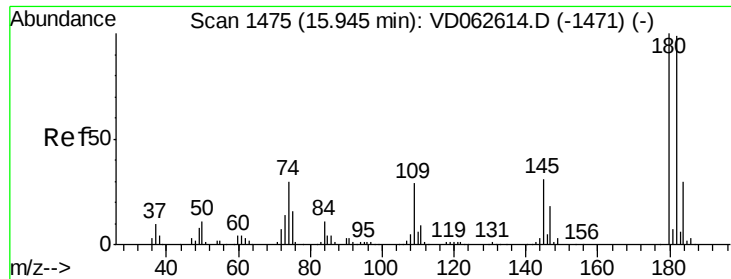
Tot Ion:146 Resp: 309055
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.3 64.0
 148 60.6 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.503 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Tgt Ion: 75 Resp: 23482
 Ion Ratio Lower Upper
 75 100
 155 65.1 41.6 124.8
 157 91.8 53.8 161.2

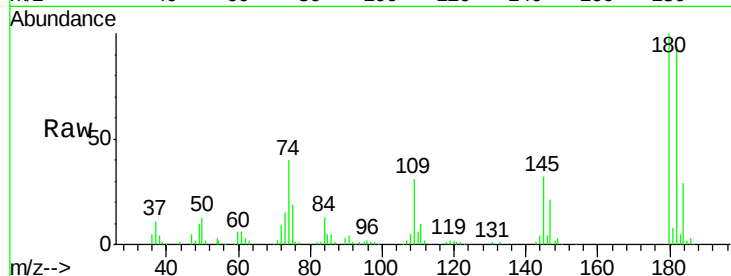




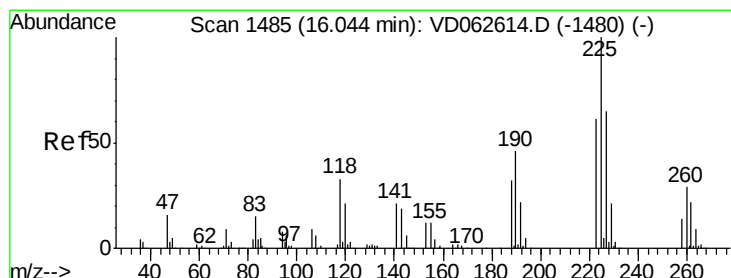
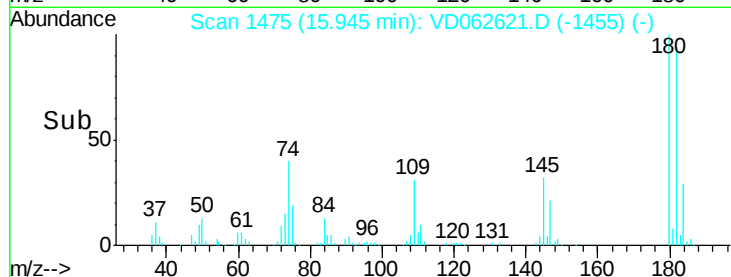
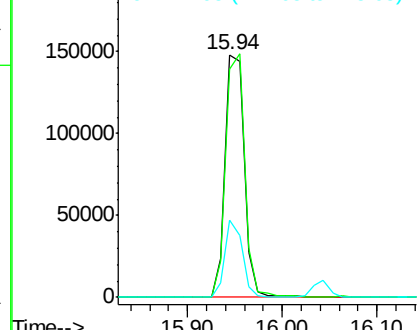
#93
 1,2,4-Trichlorobenzene
 Concen: 19.165 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBS01

Tot Ion:180 Resp: 208428
 Ion Ratio Lower Upper
 180 100
 182 94.4 49.3 147.8
 145 31.8 15.7 47.1

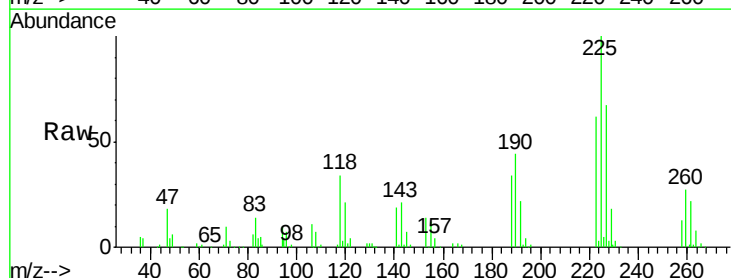


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

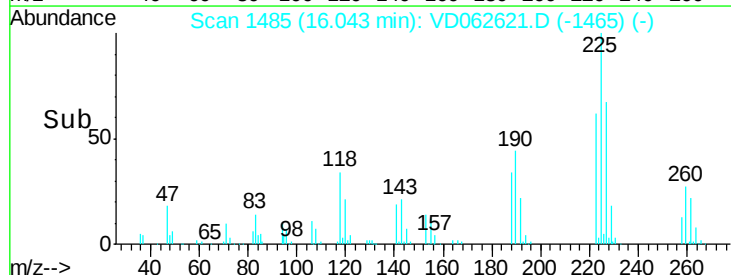
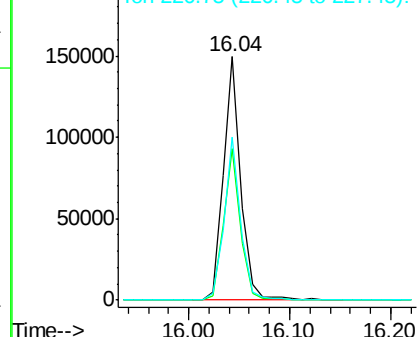


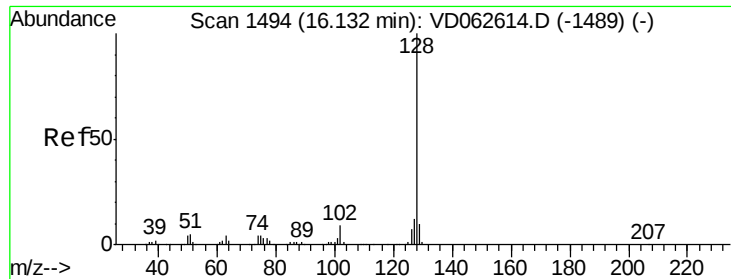
#94
 Hexachlorobutadiene
 Concen: 22.119 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062621.D
 Acq: 6 Jun 2019 12:16

Tgt Ion:225 Resp: 180430
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.3 91.0
 227 67.2 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

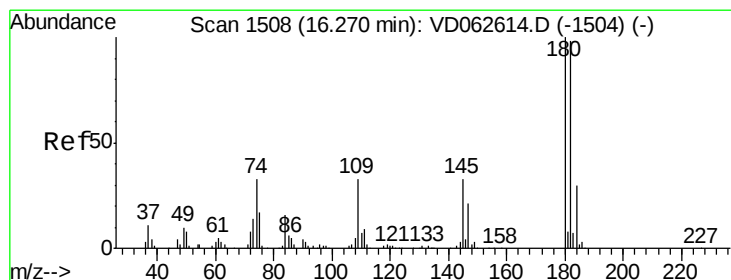
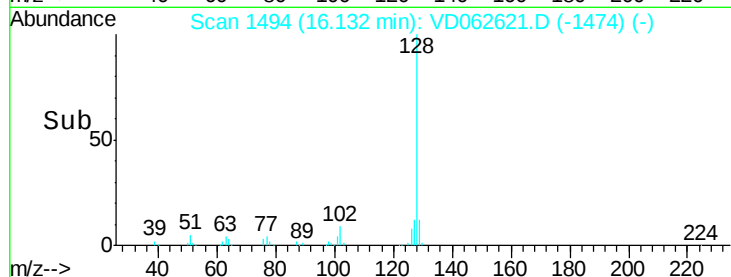
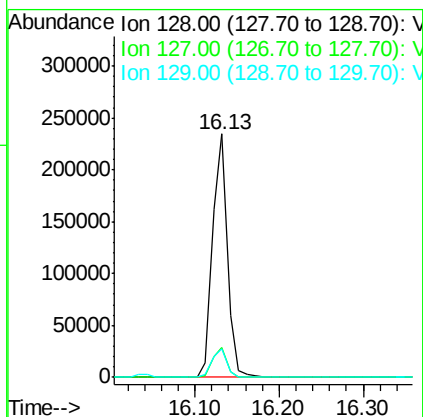
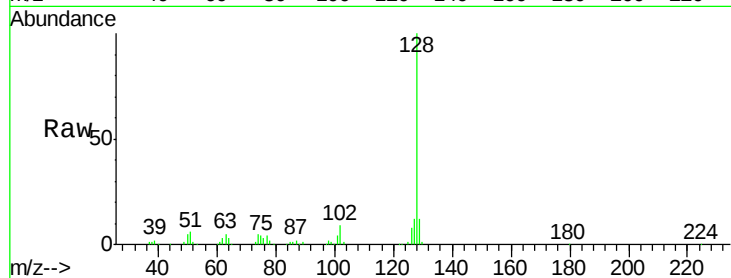




#95
Naphthalene
Concen: 18.441 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBS01

Tot Ion:128 Resp: 287183
Ion Ratio Lower Upper
128 100
127 12.3 9.4 14.2
129 11.7 8.0 12.0



#96
1,2,3-Trichlorobenzene
Concen: 21.123 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062621.D
Acq: 6 Jun 2019 12:16

Tgt Ion:180 Resp: 175662
Ion Ratio Lower Upper
180 100
182 95.9 49.1 147.3
145 28.9 16.6 49.7

