

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041919\
 Data File : VD061906.D
 Acq On : 19 Apr 2019 13:19
 Operator : VA/AP
 Sample : VD0419SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

Quant Time: Apr 19 13:46:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	570348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	931846	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	812694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	363434	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	262363	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	
35) Dibromofluoromethane	6.93	113	377182	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
50) Toluene-d8	10.41	98	854779	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	13.57	95	354179	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	103643	18.618	ug/l	99
3) Chloromethane	1.75	50	93817	21.147	ug/l	99
4) Vinyl Chloride	1.85	62	92227	20.947	ug/l	98
5) Bromomethane	2.15	94	20751	18.758	ug/l	100
6) Chloroethane	2.25	64	29230	19.460	ug/l	93
7) Trichlorofluoromethane	2.52	101	138015	19.327	ug/l	94
8) Diethyl Ether	2.87	74	39764	21.248	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	134847	21.178	ug/l	99
10) Methyl Iodide	3.31	142	137866	16.124	ug/l	98
11) Tert butyl alcohol	4.08	59	32282	114.519	ug/l	96
12) 1,1-Dichloroethene	3.13	96	115283	21.537	ug/l	94
13) Acrolein	3.03	56	22568	82.698	ug/l	88
14) Allyl chloride	3.62	41	161094	22.079	ug/l	95
15) Acrylonitrile	4.19	53	94667	106.972	ug/l	96
16) Acetone	3.22	43	123519	104.846	ug/l	96
17) Carbon Disulfide	3.38	76	322539	18.649	ug/l	99
18) Methyl Acetate	3.64	43	52852	22.383	ug/l	92
19) Methyl tert-butyl Ether	4.24	73	212182	21.241	ug/l	95
20) Methylene Chloride	3.82	84	163134	25.621	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	127267	21.634	ug/l	92
22) Diisopropyl ether	5.12	45	345931	22.180	ug/l	93
23) Vinyl Acetate	5.06	43	927132	111.204	ug/l	98
24) 1,1-Dichloroethane	4.98	63	201561	21.316	ug/l	99
25) 2-Butanone	6.07	43	142534	106.271	ug/l	98
26) 2,2-Dichloropropane	6.02	77	166865	20.416	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	130890	20.525	ug/l	95
28) Bromochloromethane	6.45	49	83452	23.234	ug/l	95
29) Tetrahydrofuran	6.46	42	75134	115.001	ug/l	99
30) Chloroform	6.67	83	216087	20.488	ug/l	96
31) Cyclohexane	6.96	56	154508	21.344	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	202176	21.624	ug/l	96
36) 1,1-Dichloropropene	7.16	75	161886	21.260	ug/l	98
37) Ethyl Acetate	6.18	43	70185	21.536	ug/l #	94
38) Carbon Tetrachloride	7.12	117	198643	20.659	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041919\
 Data File : VD061906.D
 Acq On : 19 Apr 2019 13:19
 Operator : VA/AP
 Sample : VD0419SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

Quant Time: Apr 19 13:46:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	159658	20.191	ug/l	94
40) Benzene	7.46	78	391008	21.389	ug/l	99
41) Methacrylonitrile	6.46	41	88994	23.103	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	134614	21.143	ug/l	95
43) Isopropyl Acetate	9.24	43	104615	22.811	ug/l	100
44) Trichloroethene	8.54	130	154046	21.889	ug/l	97
45) 1,2-Dichloropropane	8.95	63	98093	20.600	ug/l	98
46) Dibromomethane	9.08	93	74356	21.915	ug/l	97
47) Bromodichloromethane	9.38	83	167723	21.427	ug/l	100
48) Methyl methacrylate	9.13	41	55214	20.481	ug/l	97
49) 1,4-Dioxane	9.08	88	12806	434.605	ug/l #	95
51) 4-Methyl-2-Pentanone	10.31	43	302792	107.961	ug/l	99
52) Toluene	10.51	92	267058	22.796	ug/l	93
53) t-1,3-Dichloropropene	10.92	75	145887	20.684	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	179300	21.656	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	88698	22.469	ug/l	96
56) Ethyl methacrylate	11.05	69	96437	22.258	ug/l	97
57) 1,3-Dichloropropane	11.42	76	134334	22.635	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	245389	119.076	ug/l	94
59) 2-Hexanone	11.54	43	228205	109.552	ug/l	100
60) Dibromochloromethane	11.69	129	143638	22.238	ug/l	99
61) 1,2-Dibromoethane	11.81	107	105829	21.803	ug/l	91
64) Tetrachloroethene	11.26	164	128137	21.024	ug/l	98
65) Chlorobenzene	12.40	112	339407	22.425	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	135896	21.426	ug/l	98
67) Ethyl Benzene	12.53	91	518537	21.394	ug/l	99
68) m/p-Xylenes	12.68	106	380088	41.747	ug/l	97
69) o-Xylene	13.05	106	178445	20.852	ug/l	96
70) Styrene	13.08	104	308229	20.931	ug/l	96
71) Bromoform	13.24	173	80172	21.295	ug/l	97
73) Isopropylbenzene	13.41	105	526761	22.349	ug/l	98
74) N-amyl acetate	13.27	43	131236	20.706	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	94216	20.222	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	102983	21.577	ug/l	98
77) Bromobenzene	13.67	156	140784	21.027	ug/l	88
78) n-propylbenzene	13.78	91	623008	22.878	ug/l	97
79) 2-Chlorotoluene	13.85	91	313196	19.688	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	432480	23.125	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	28347	20.429	ug/l	92
82) 4-Chlorotoluene	13.95	91	411310	22.589	ug/l	89
83) tert-Butylbenzene	14.20	119	459956	20.946	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	410952	21.860	ug/l	99
85) sec-Butylbenzene	14.37	105	488281	21.509	ug/l	99
86) p-Isopropyltoluene	14.49	119	444197	20.913	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	247048	21.136	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	247837	21.450	ug/l	98
89) n-Butylbenzene	14.81	91	419742	22.325	ug/l	97
90) Hexachloroethane	15.01	117	118781	20.518	ug/l	99
91) 1,2-Dichlorobenzene	14.82	146	222546	22.730	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12786	22.628	ug/l	84

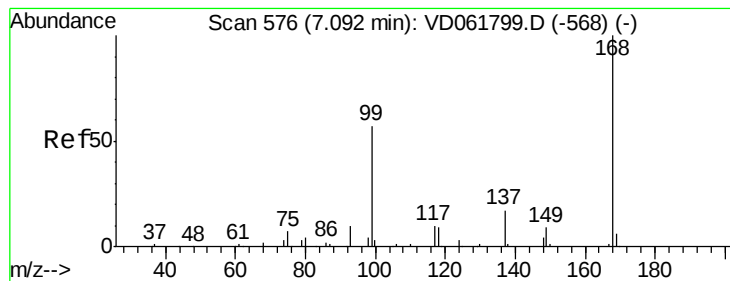
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041919\
Data File : VD061906.D
Acq On : 19 Apr 2019 13:19
Operator : VA/AP
Sample : VD0419SBS01
Misc : 5.00g/5ml/MSVOA_D/SOIL
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MSVOA_D
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Quant Time: Apr 19 13:46:53 2019
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Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	121345	22.566	ug/l	99
94) Hexachlorobutadiene	16.05	225	95030	24.386	ug/l	99
95) Naphthalene	16.12	128	193983	23.536	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	82396	26.888	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

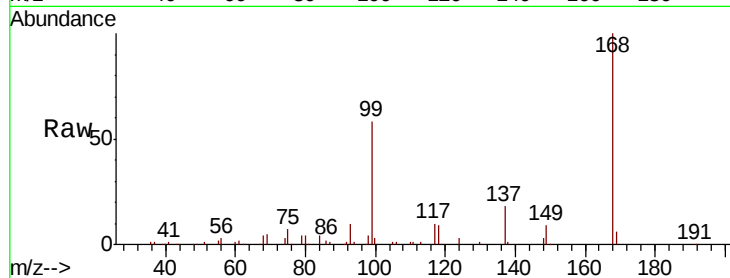
VD0419SBS01

Tgt Ion:168 Resp: 570348

Ion Ratio Lower Upper

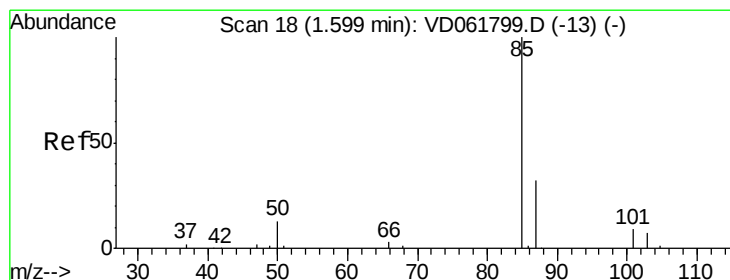
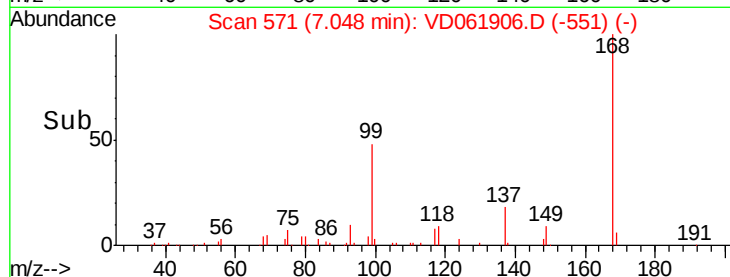
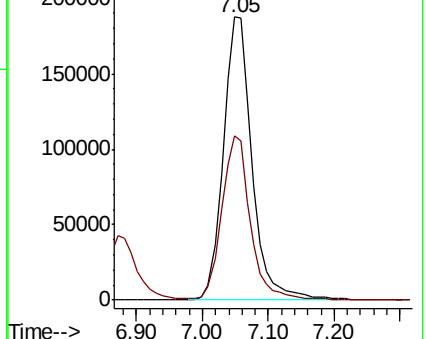
168 100

99 58.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.618 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD061906.D

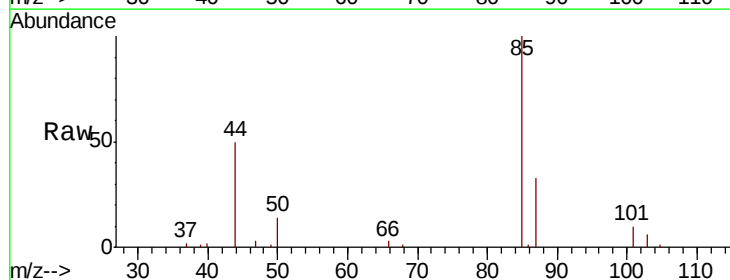
Acq: 19 Apr 2019 13:19

Tgt Ion: 85 Resp: 103643

Ion Ratio Lower Upper

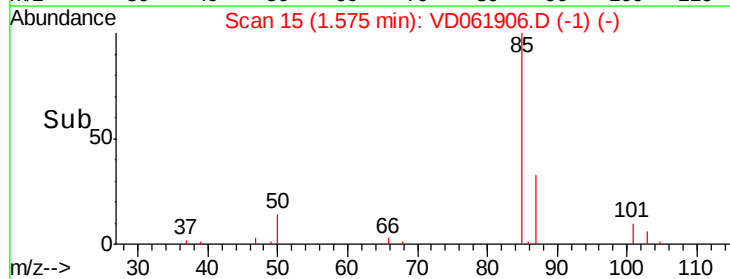
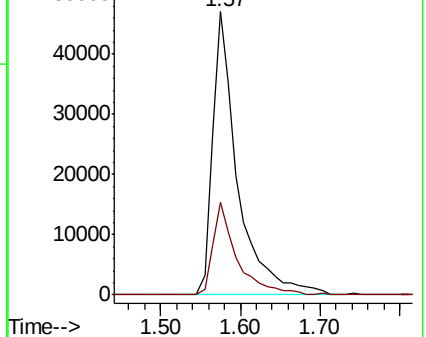
85 100

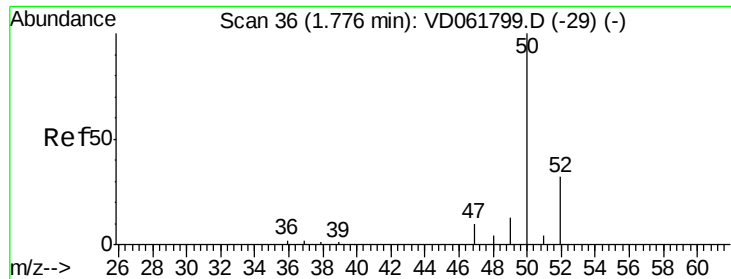
87 32.9 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.147 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

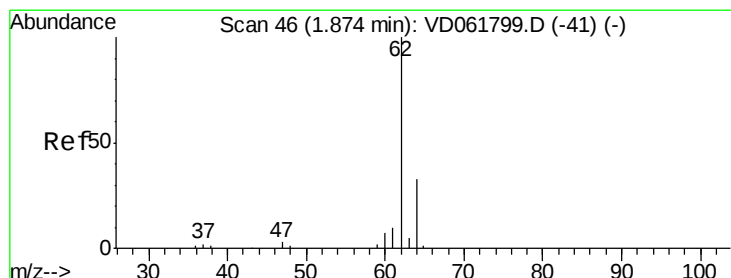
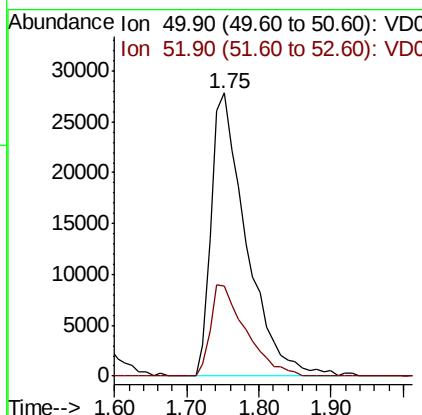
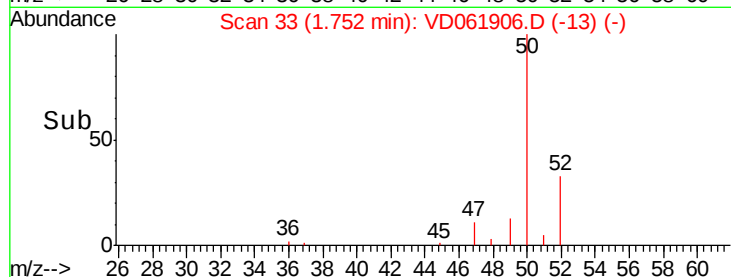
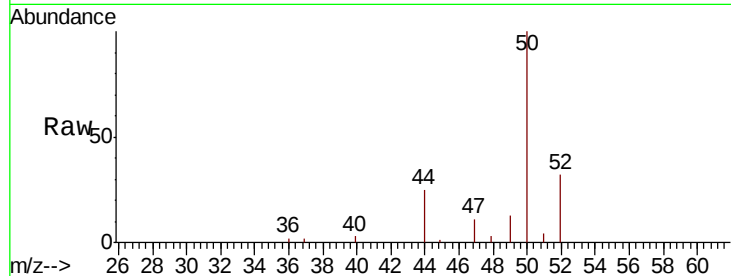
VD0419SBS01

Tgt Ion: 50 Resp: 93817

Ion Ratio Lower Upper

50 100

52 31.8 25.2 37.8



#4

Vinyl Chloride

Concen: 20.947 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061906.D

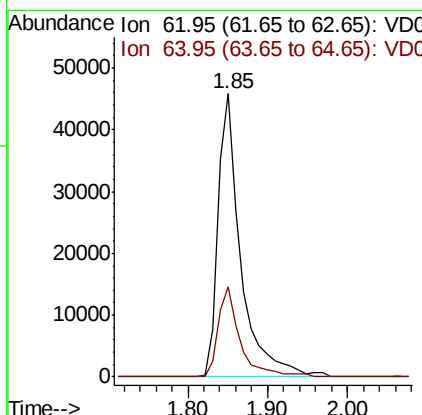
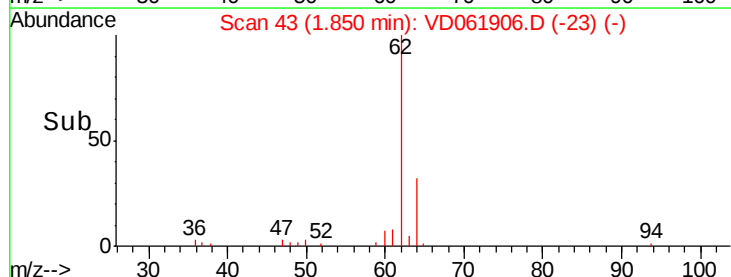
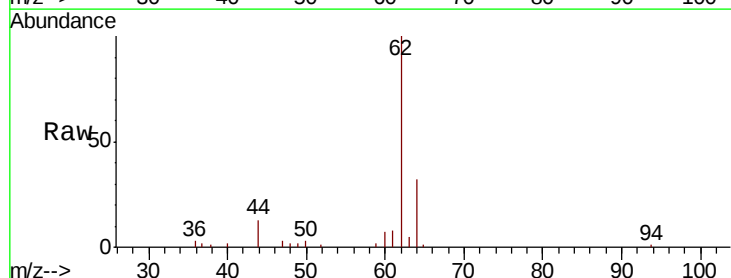
Acq: 19 Apr 2019 13:19

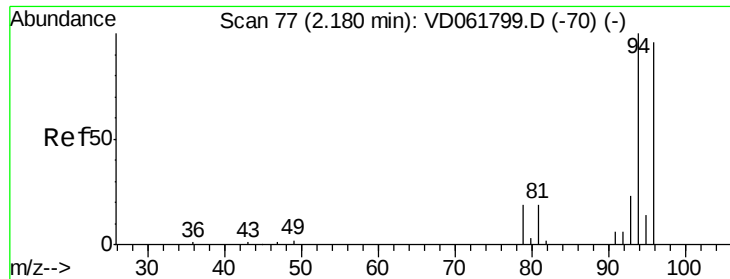
Tgt Ion: 62 Resp: 92227

Ion Ratio Lower Upper

62 100

64 32.0 26.5 39.7





#5

Bromomethane

Concen: 18.758 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

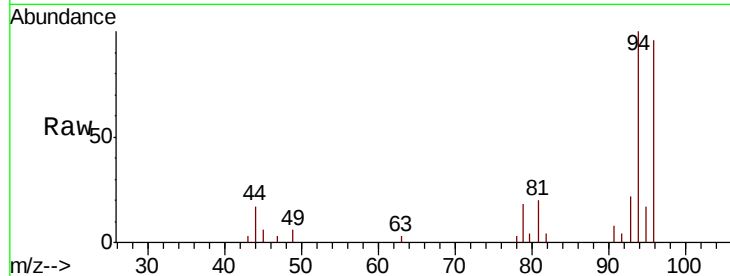
Tgt Ion: 94 Resp: 20751

Ion Ratio Lower Upper

94 100

96 95.7 76.6 115.0

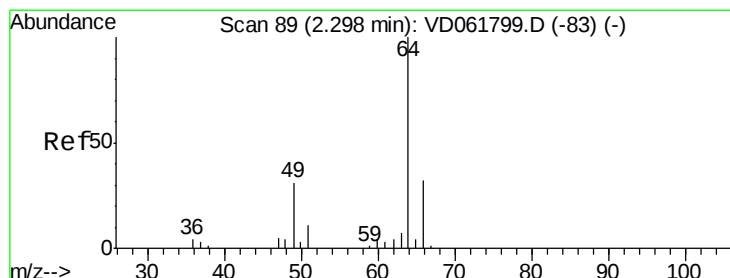
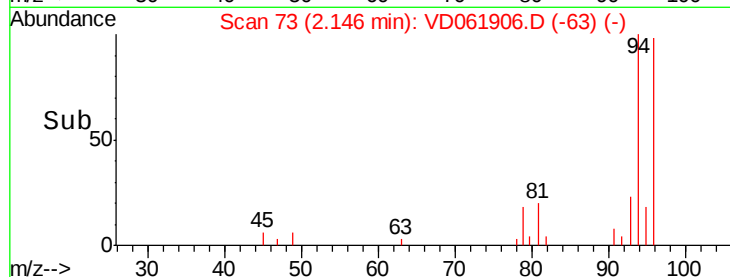
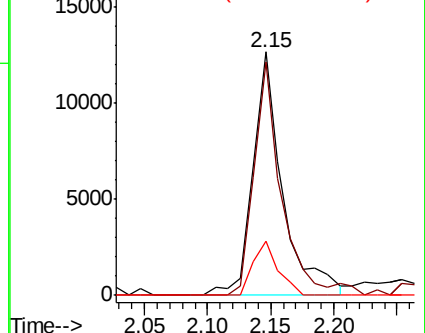
93 22.4 18.5 27.7



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: 19.460 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD061906.D

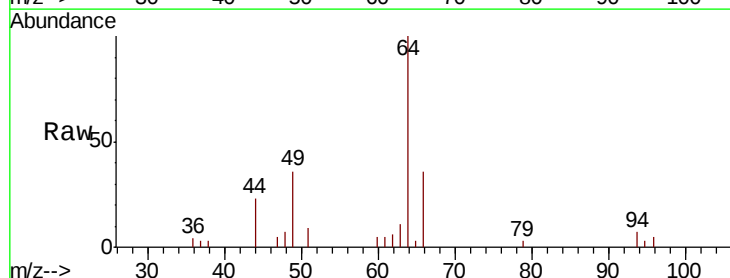
Acq: 19 Apr 2019 13:19

Tgt Ion: 64 Resp: 29230

Ion Ratio Lower Upper

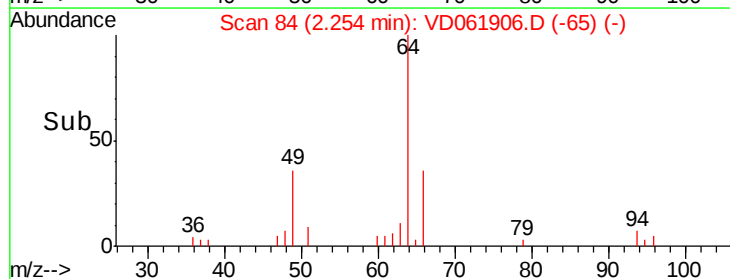
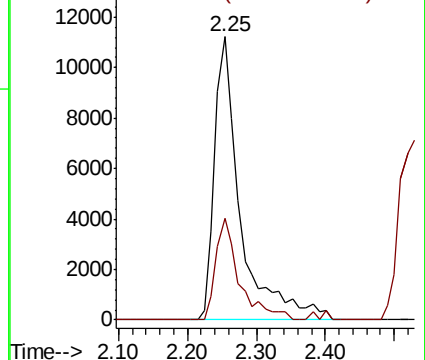
64 100

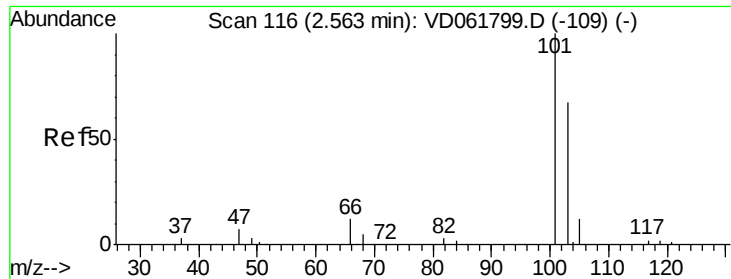
66 36.1 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



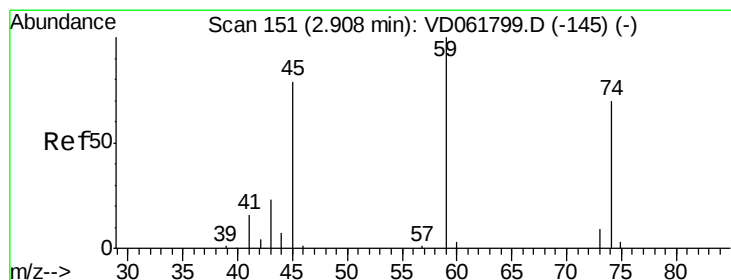
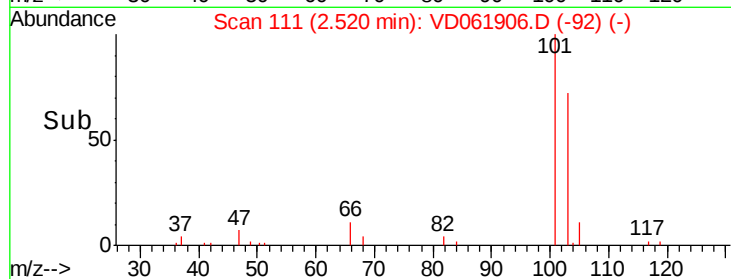
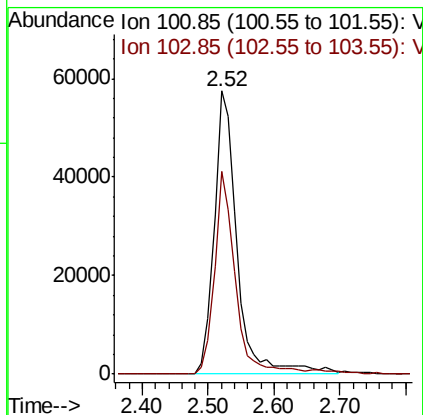
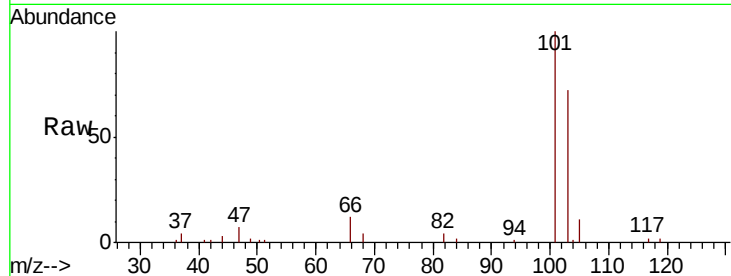


#7

Trichlorofluoromethane
 Concen: 19.327 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

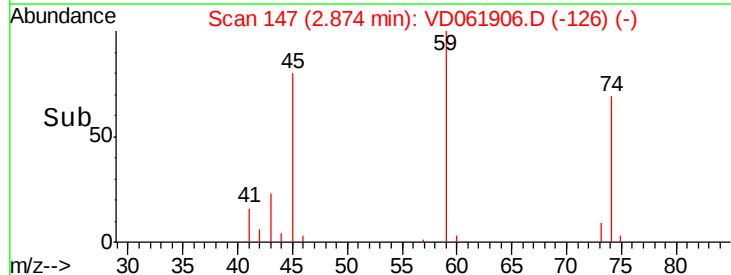
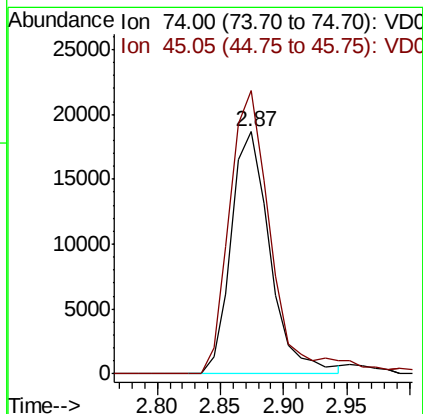
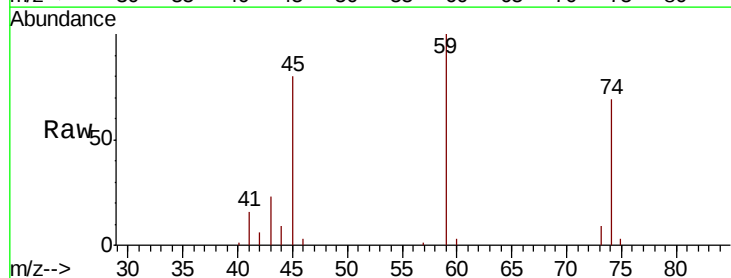
Tgt Ion: 101 Resp: 138015
 Ion Ratio Lower Upper
 101 100
 103 71.6 53.6 80.4

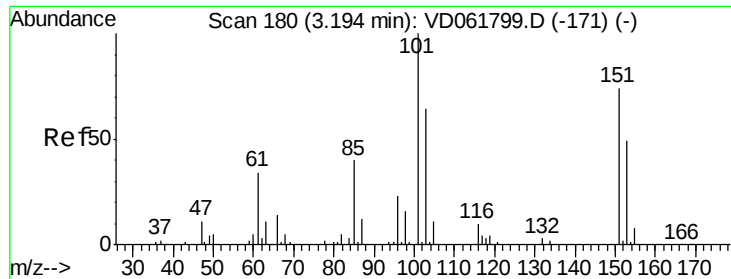


#8

Diethyl Ether
 Concen: 21.248 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Tgt Ion: 74 Resp: 39764
 Ion Ratio Lower Upper
 74 100
 45 116.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.178 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

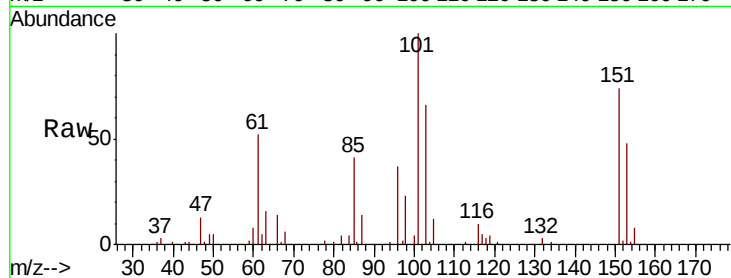
Tgt Ion:101 Resp: 134847

Ion Ratio Lower Upper

101 100

85 40.9 32.4 48.6

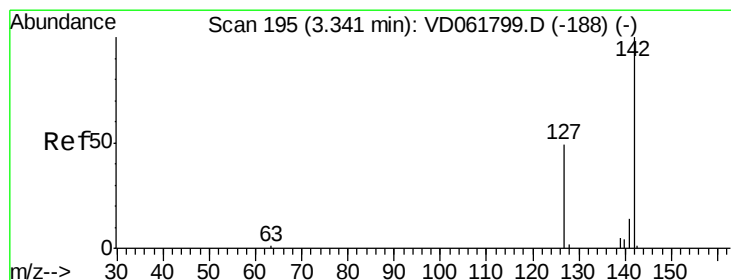
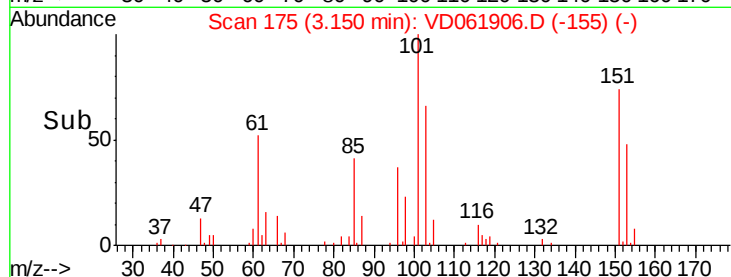
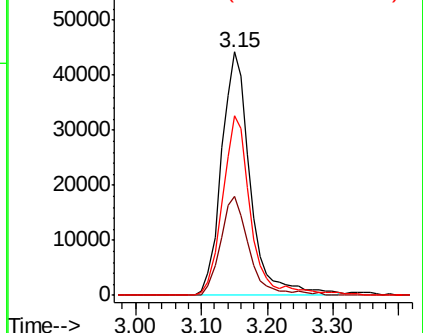
151 73.6 59.4 89.0



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: 16.124 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

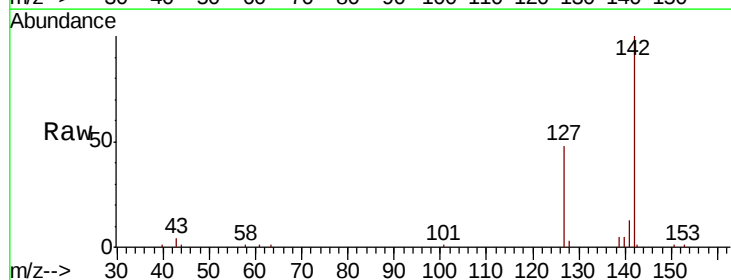
Tgt Ion:142 Resp: 137866

Ion Ratio Lower Upper

142 100

127 47.5 38.8 58.2

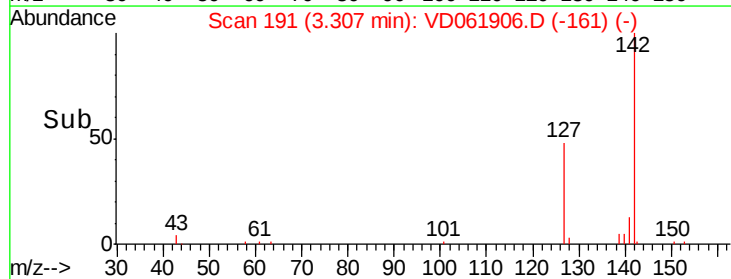
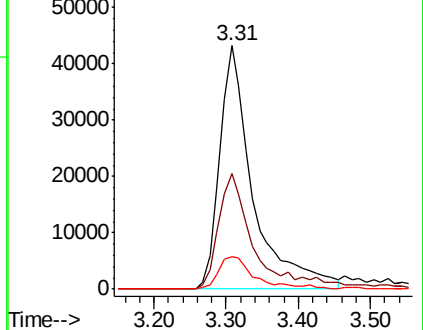
141 13.2 11.4 17.0

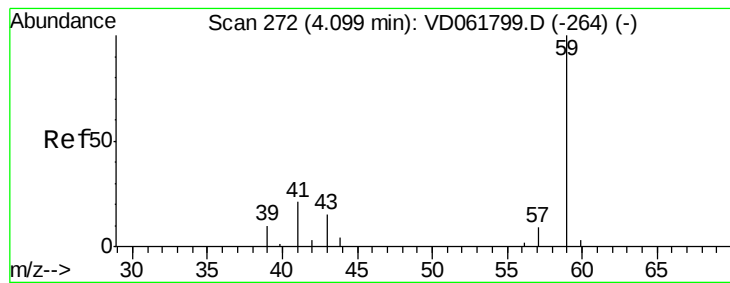


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



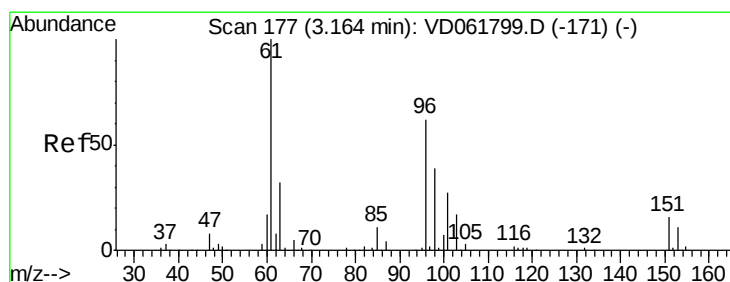
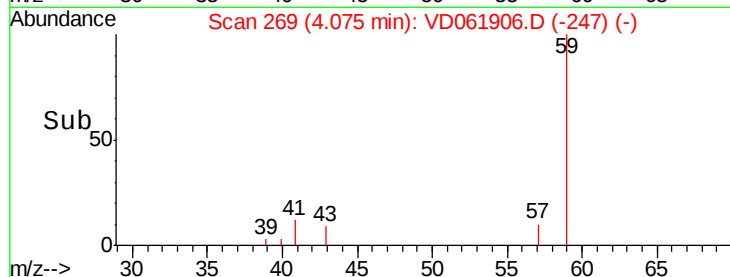
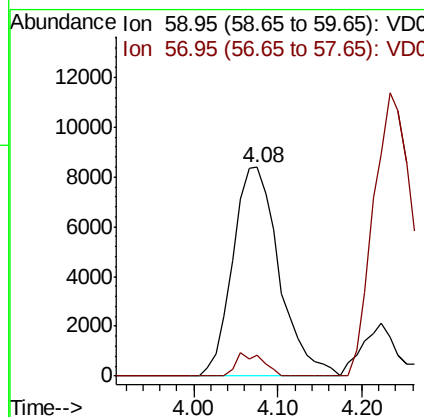
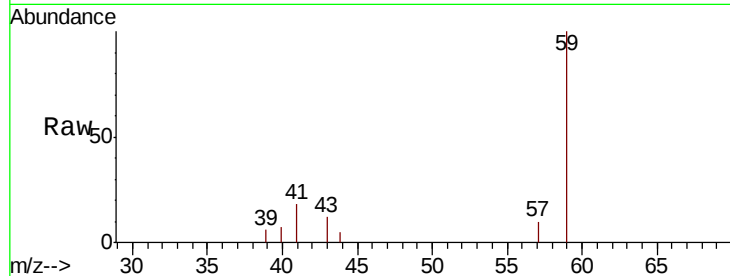


#11

Tert butyl alcohol
 Concen: 114.519 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. 0.02 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

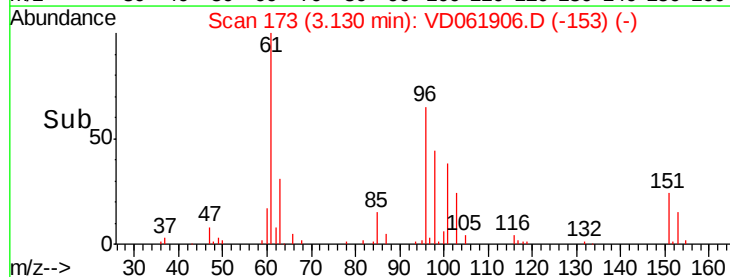
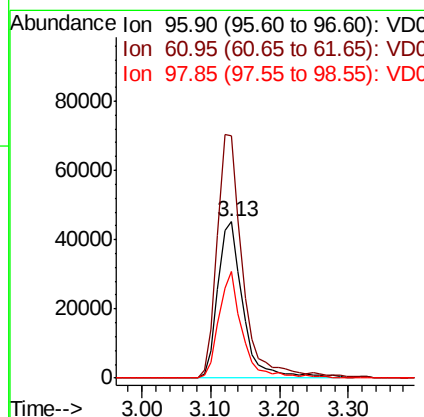
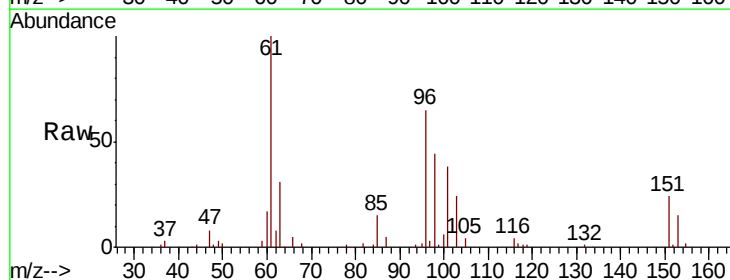
Tgt Ion: 59 Resp: 32282
 Ion Ratio Lower Upper
 59 100
 57 10.1 6.9 10.3

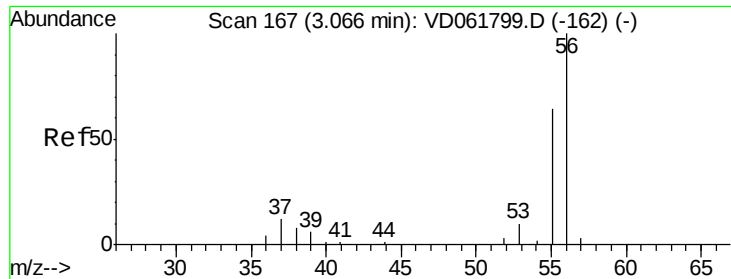


#12

1,1-Dichloroethene
 Concen: 21.537 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Tgt Ion: 96 Resp: 115283
 Ion Ratio Lower Upper
 96 100
 61 154.6 129.8 194.8
 98 67.9 51.2 76.8





#13

Acrolein

Concen: 82.698 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

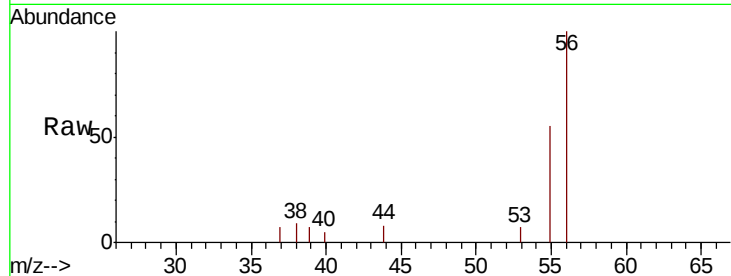
VD0419SBS01

Tgt Ion: 56 Resp: 22568

Ion Ratio Lower Upper

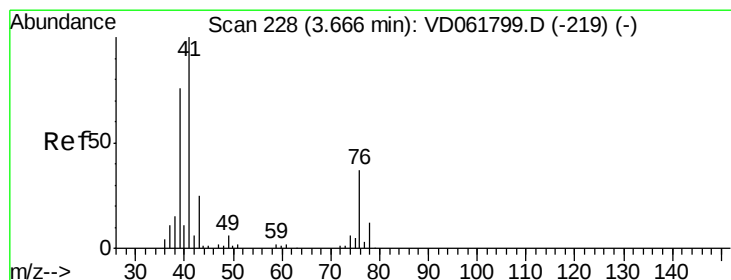
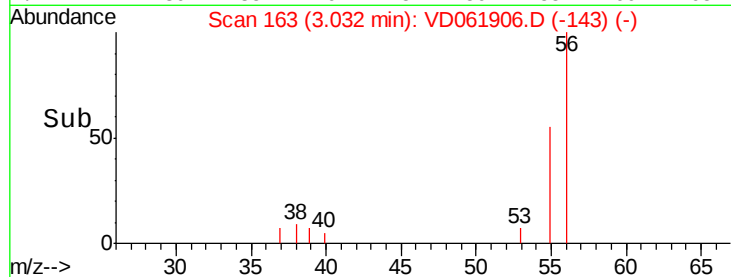
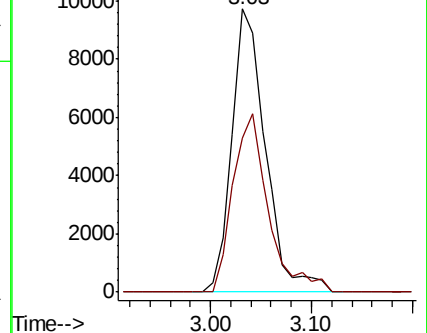
56 100

55 54.6 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.079 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

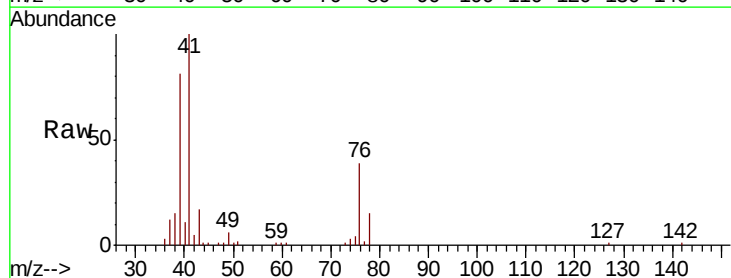
Tgt Ion: 41 Resp: 161094

Ion Ratio Lower Upper

41 100

39 80.9 60.5 90.7

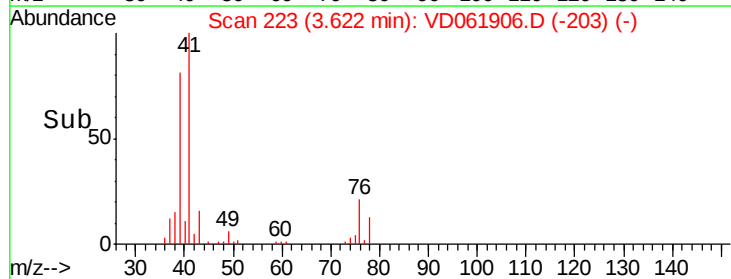
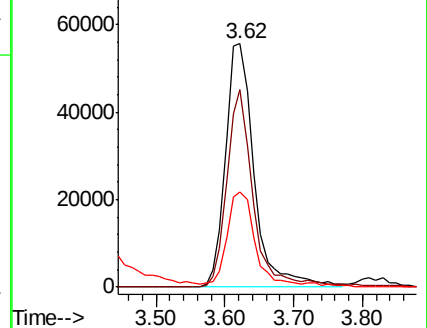
76 38.9 31.8 47.8

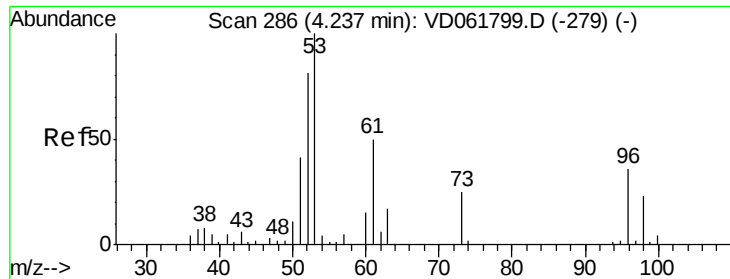


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

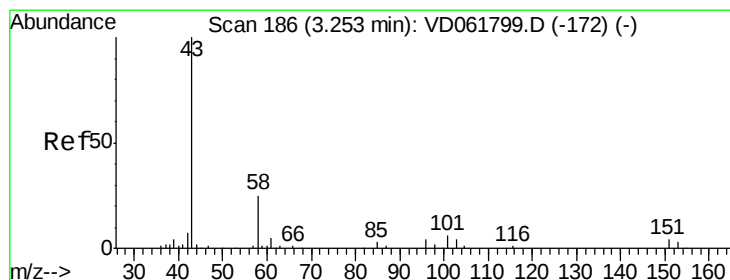
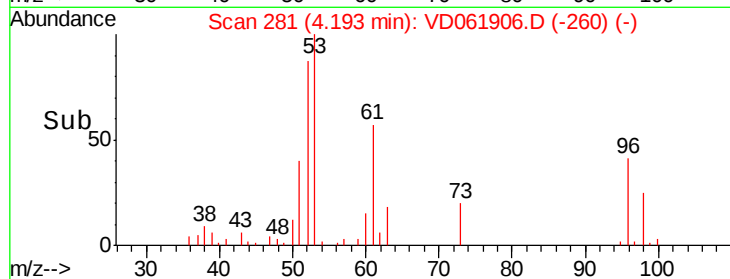
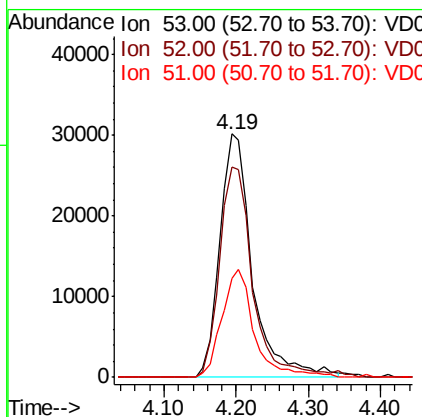
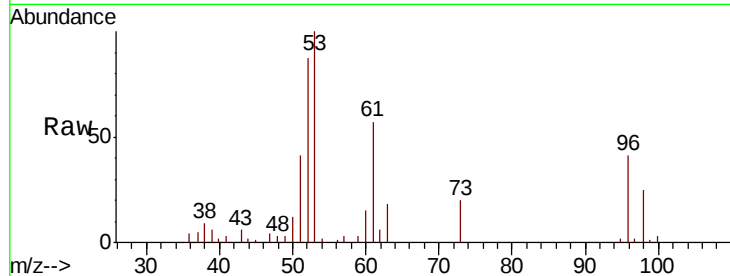




#15
 Acrylonitrile
 Concen: 106.972 ug/l
 RT: 4.19 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

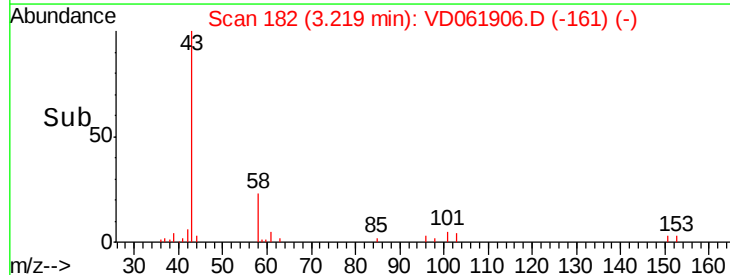
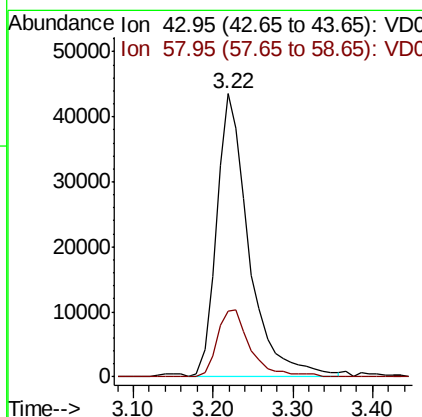
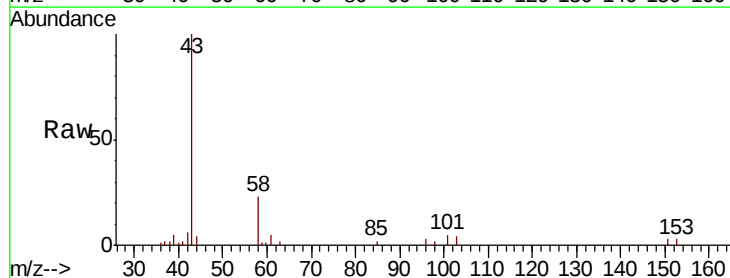
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

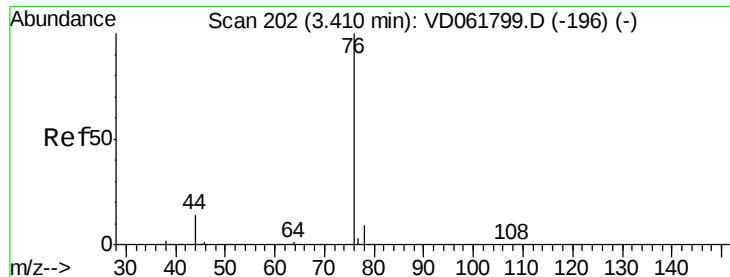
Tgt Ion: 53 Resp: 94667
 Ion Ratio Lower Upper
 53 100
 52 86.6 65.0 97.4
 51 40.6 32.6 48.8



#16
 Acetone
 Concen: 104.846 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Tgt Ion: 43 Resp: 123519
 Ion Ratio Lower Upper
 43 100
 58 23.1 19.9 29.9

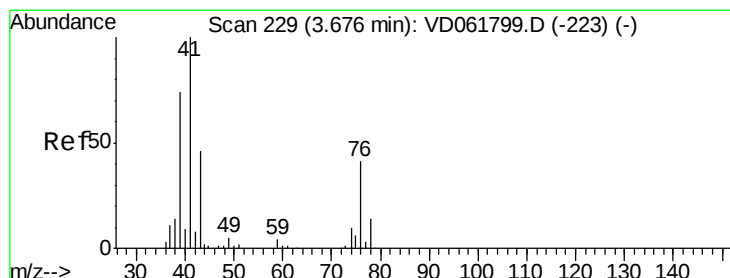
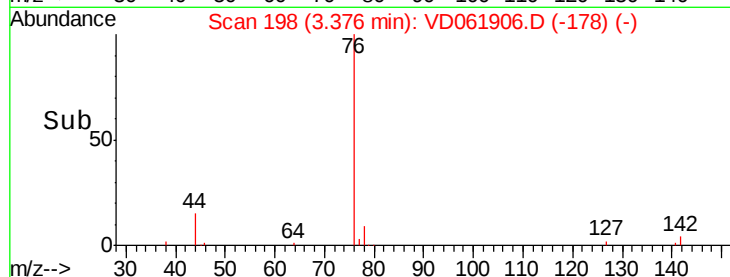
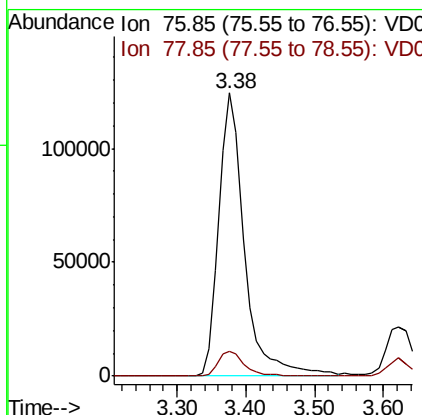
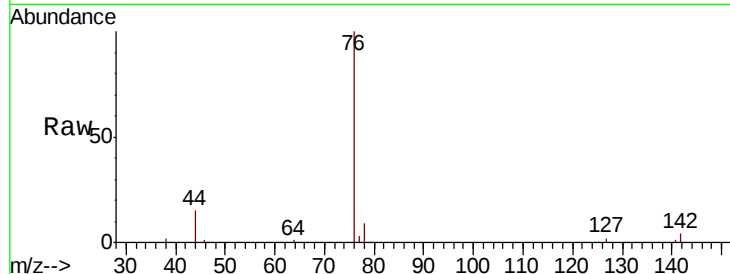




#17
Carbon Disulfide
Concen: 18.649 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

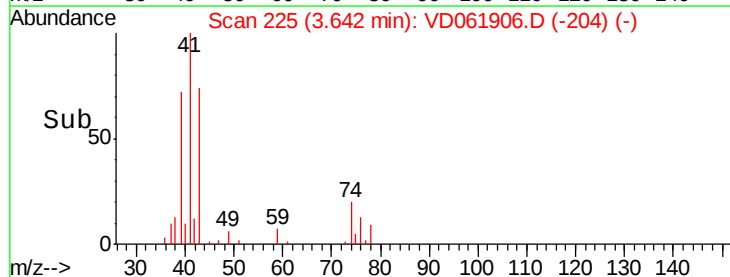
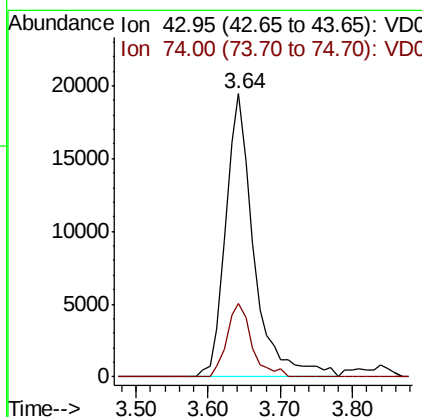
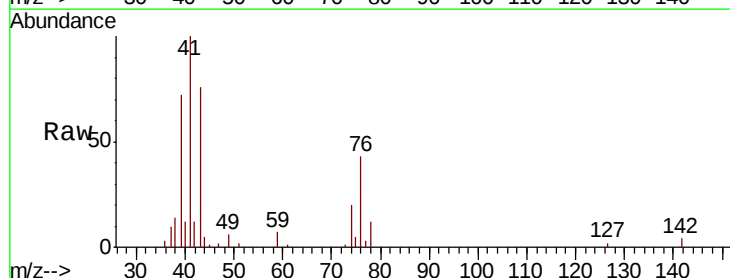
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

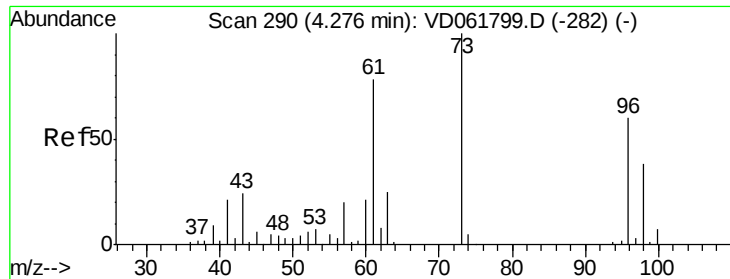
Tgt Ion: 76 Resp: 322539
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8



#18
Methyl Acetate
Concen: 22.383 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Tgt Ion: 43 Resp: 52852
Ion Ratio Lower Upper
43 100
74 26.2 18.0 27.0

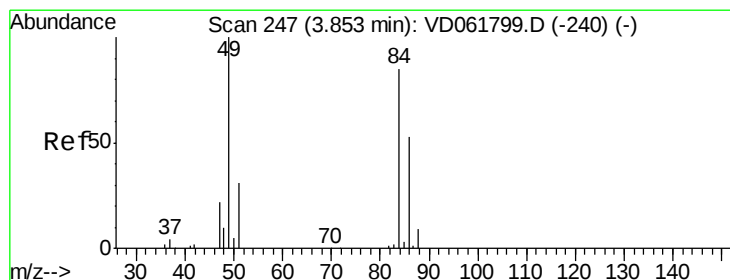
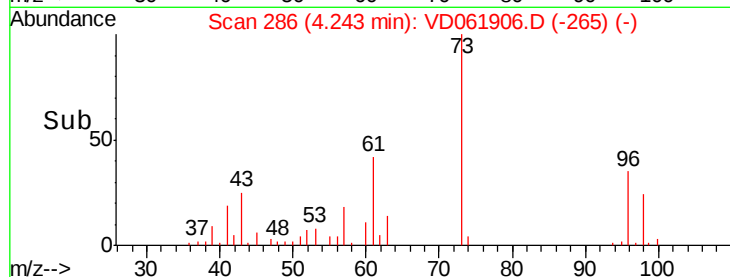
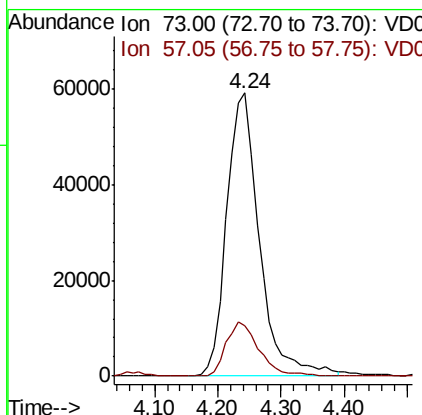
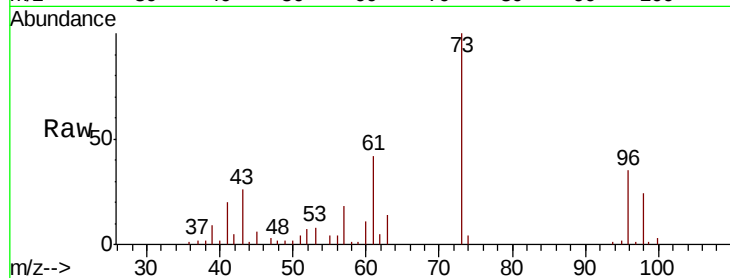




#19
Methyl tert-butyl Ether
Concen: 21.241 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

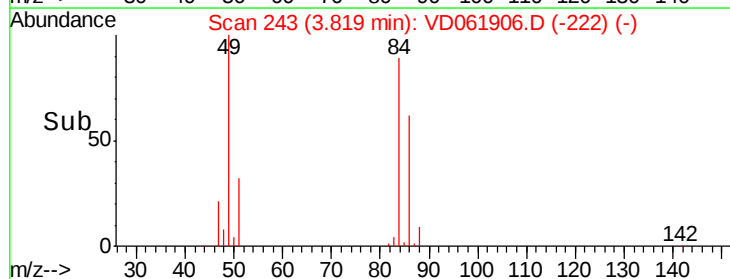
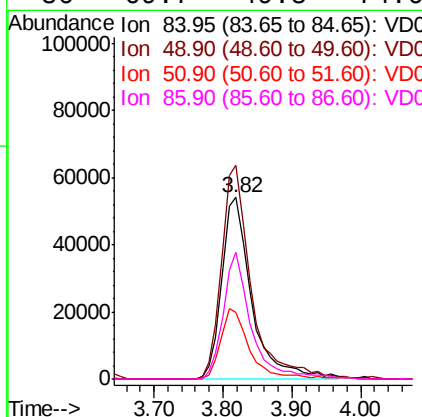
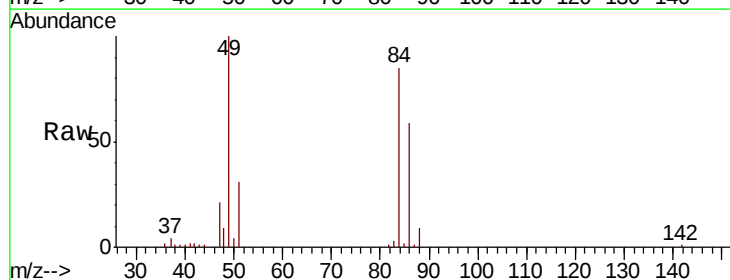
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

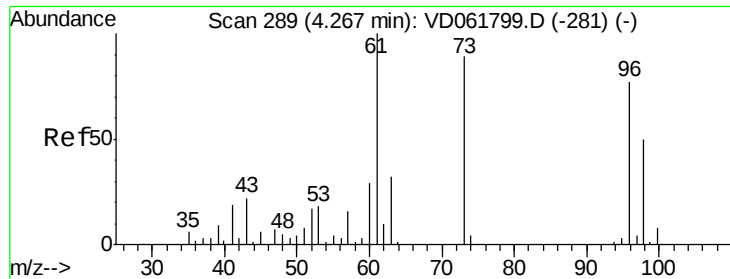
Tgt Ion: 73 Resp: 212182
Ion Ratio Lower Upper
73 100
57 18.0 16.3 24.5



#20
Methylene Chloride
Concen: 25.621 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Tgt Ion: 84 Resp: 163134
Ion Ratio Lower Upper
84 100
49 117.8 94.0 141.0
51 36.8 29.0 43.4
86 69.7 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 21.634 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

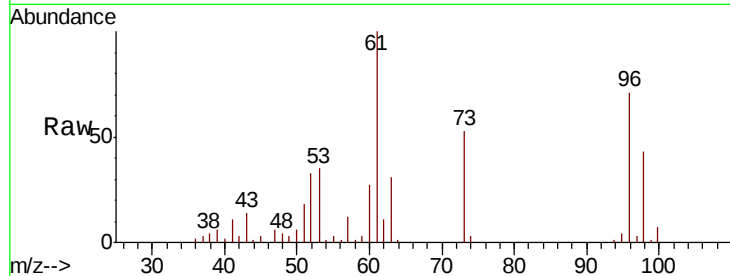
Tgt Ion: 96 Resp: 127267

Ion Ratio Lower Upper

96 100

61 140.9 104.4 156.6

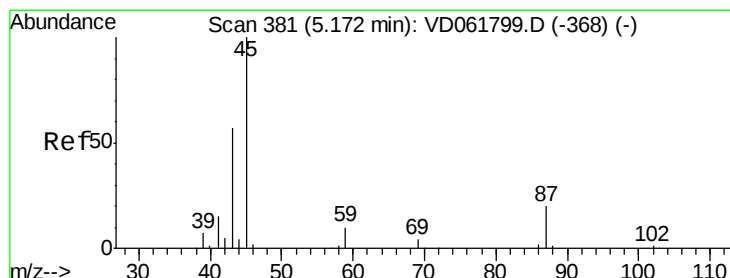
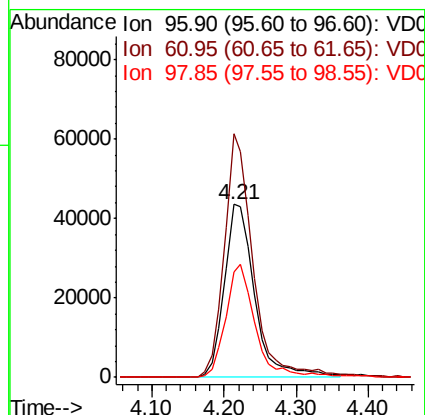
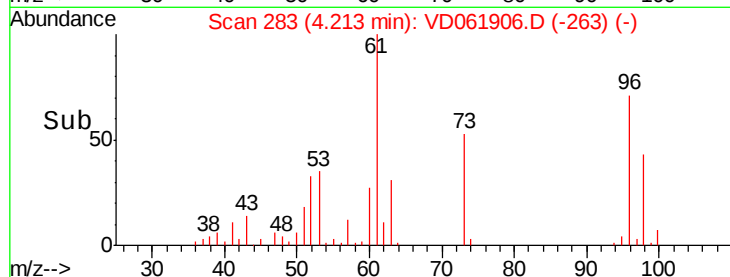
98 60.6 51.8 77.8



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: 22.180 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Tgt Ion: 45 Resp: 345931

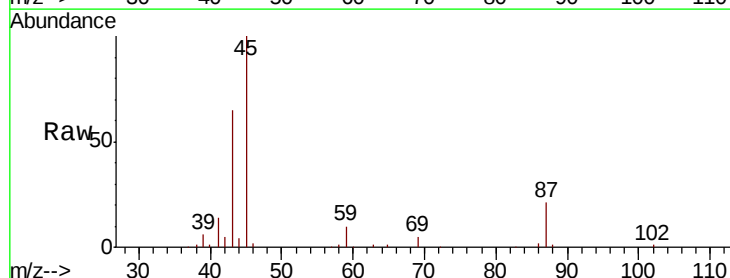
Ion Ratio Lower Upper

45 100

43 65.0 46.2 69.2

87 20.9 15.9 23.9

59 9.9 7.9 11.9

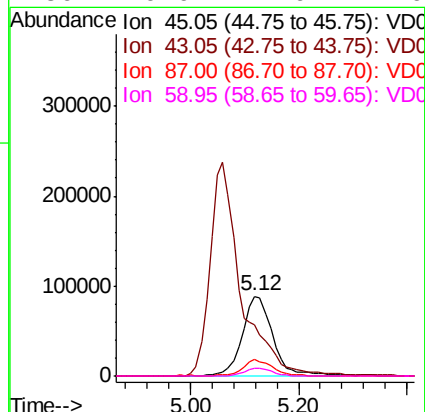
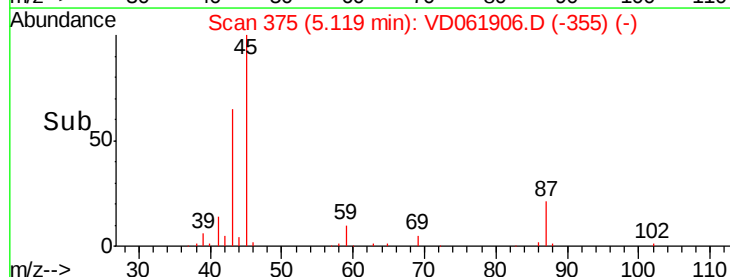


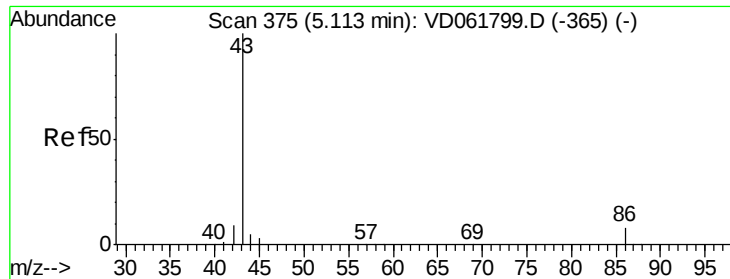
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 111.204 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

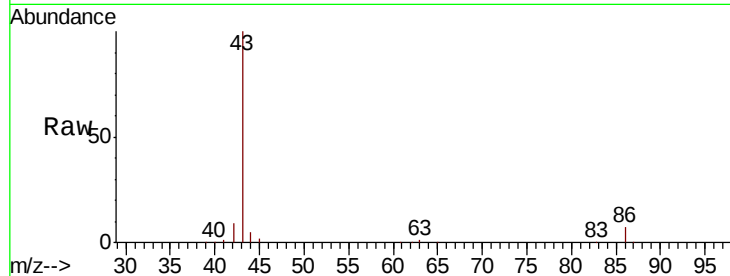
VD0419SBS01

Tgt Ion: 43 Resp: 927132

Ion Ratio Lower Upper

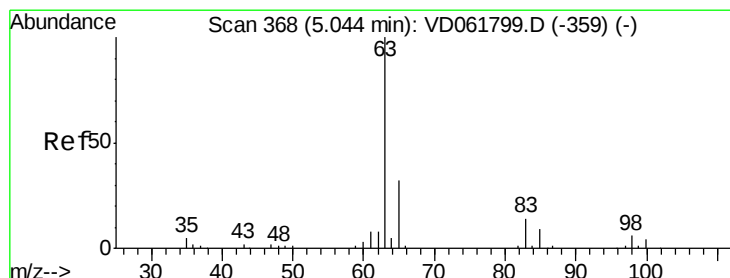
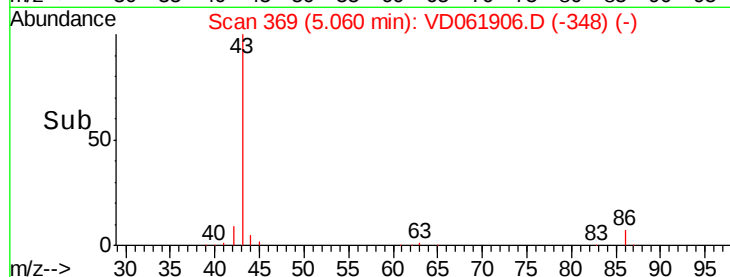
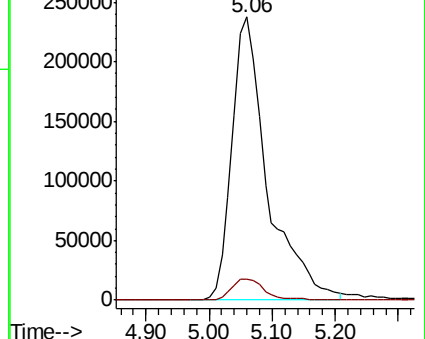
43 100

86 7.2 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.316 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

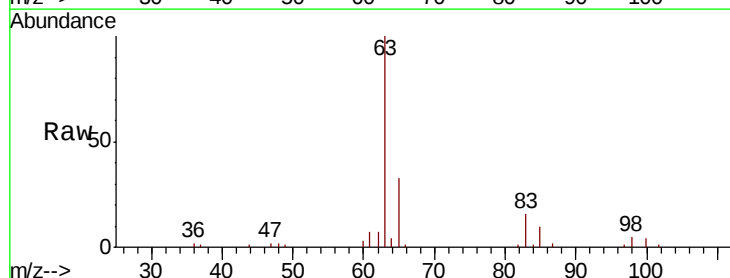
Tgt Ion: 63 Resp: 201561

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

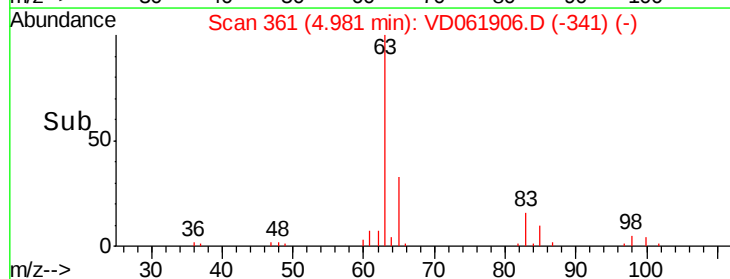
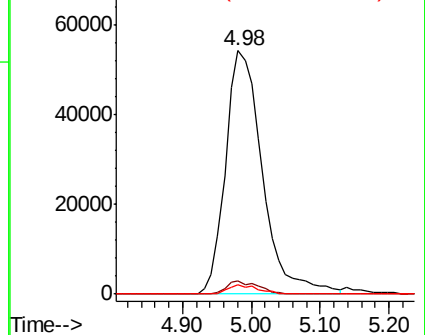
100 4.0 1.8 5.5

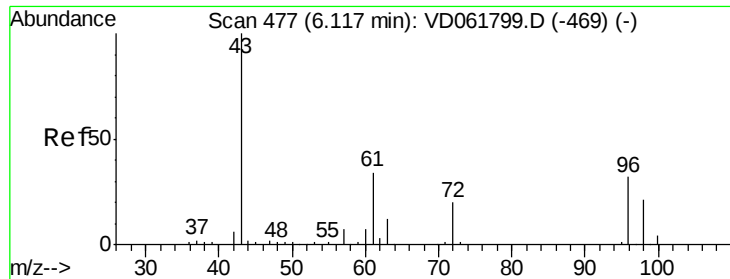


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 106.271 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

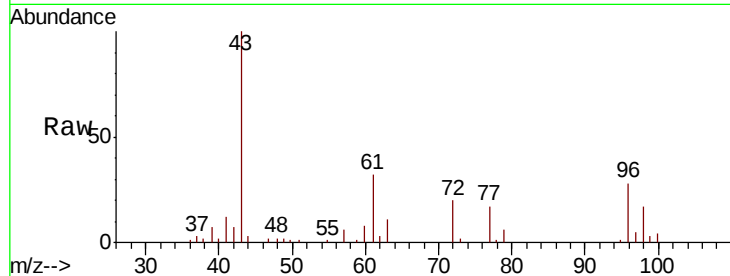
VD0419SBS01

Tgt Ion: 43 Resp: 142534

Ion Ratio Lower Upper

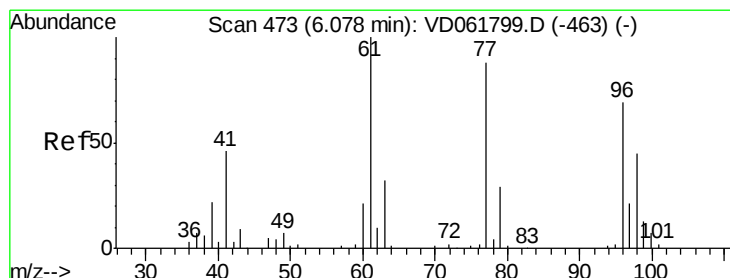
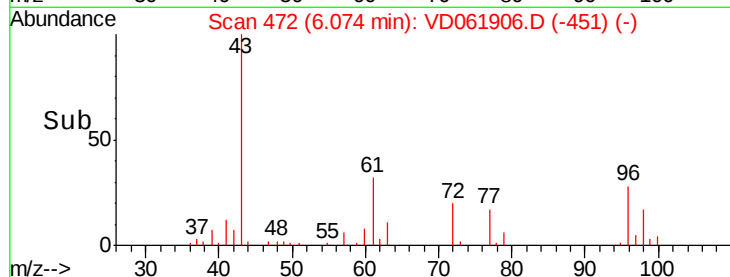
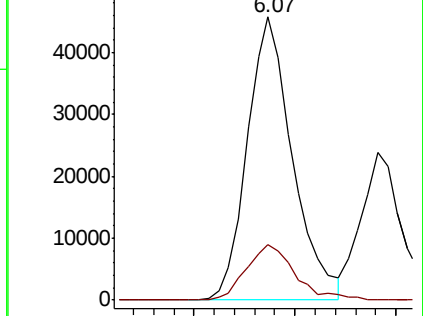
43 100

72 19.5 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.416 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD061906.D

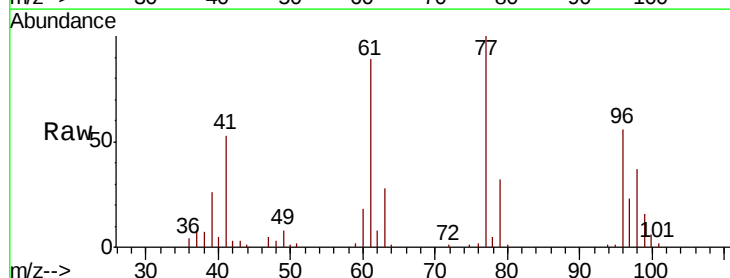
Acq: 19 Apr 2019 13:19

Tgt Ion: 77 Resp: 166865

Ion Ratio Lower Upper

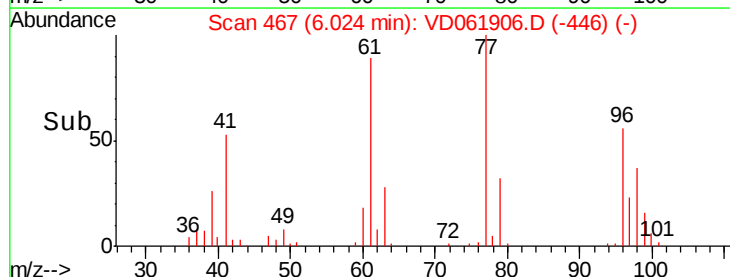
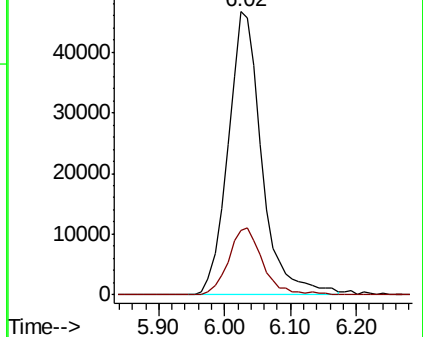
77 100

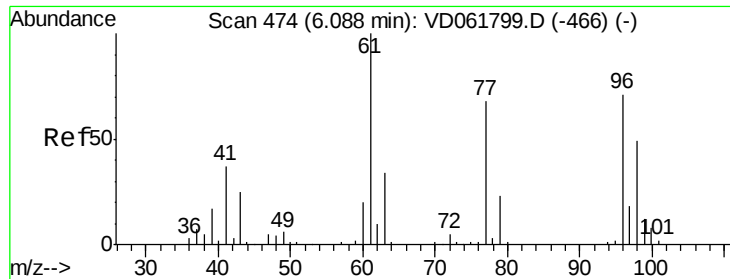
97 22.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

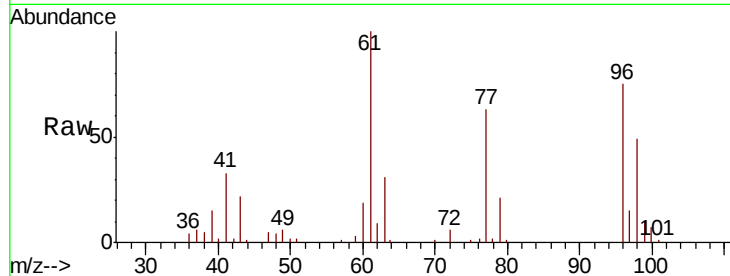




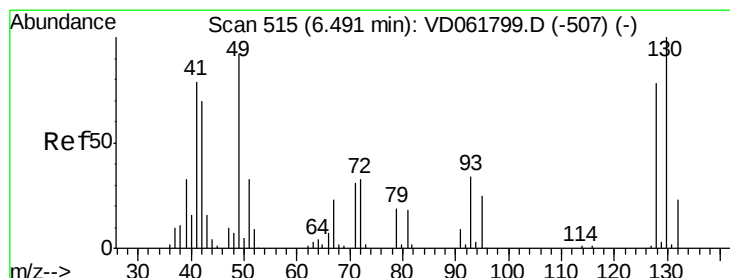
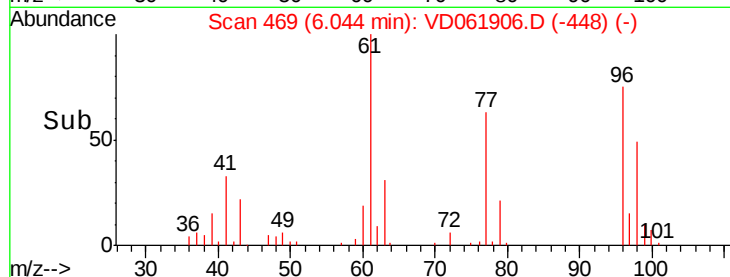
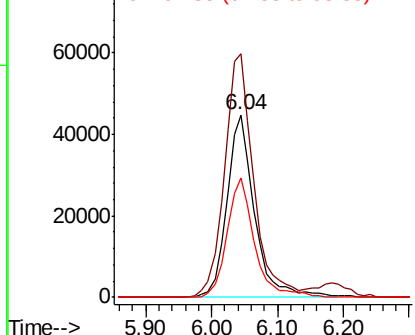
#27
 cis-1,2-Dichloroethene
 Concen: 20.525 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

Tgt Ion: 96 Resp: 130890
 Ion Ratio Lower Upper
 96 100
 61 133.6 0.0 279.8
 98 65.2 0.0 136.0

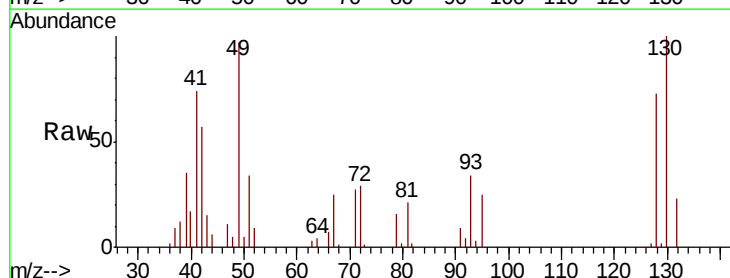


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

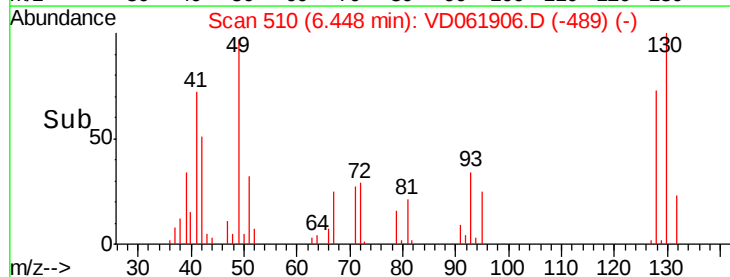
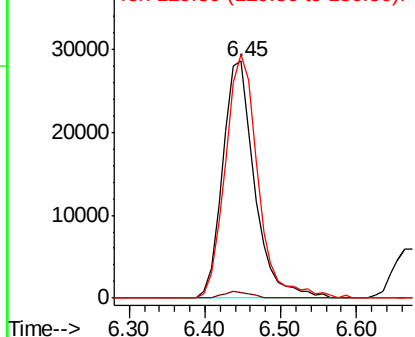


#28
 Bromochloromethane
 Concen: 23.234 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Tgt Ion: 49 Resp: 83452
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 6.6
 130 102.9 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 115.001 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

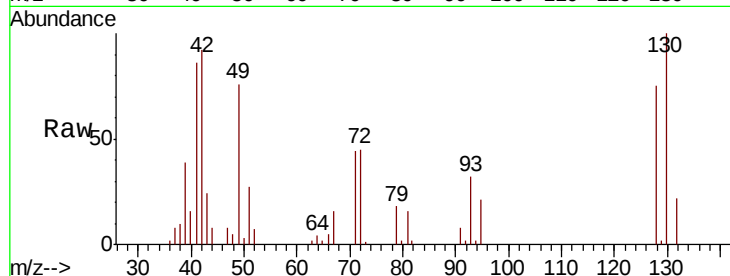
Tgt Ion: 42 Resp: 75134

Ion Ratio Lower Upper

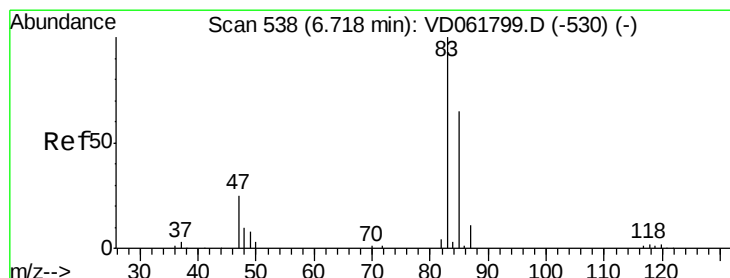
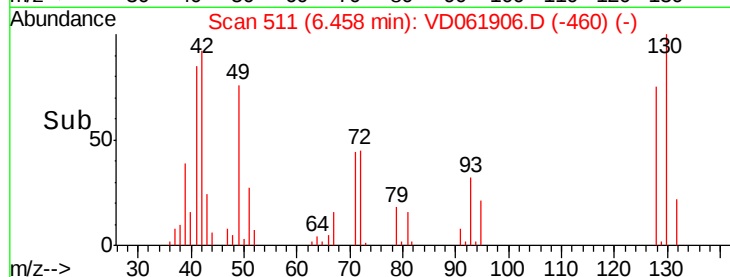
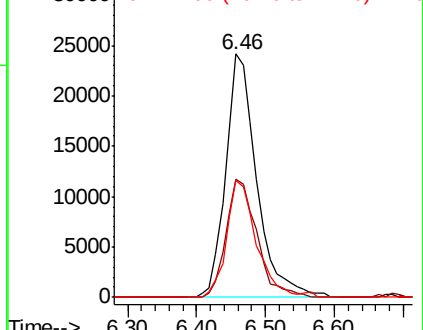
42 100

72 48.1 37.8 56.6

71 46.6 36.7 55.1



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: 20.488 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD061906.D

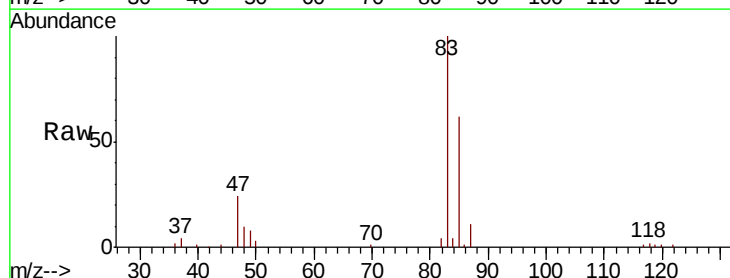
Acq: 19 Apr 2019 13:19

Tgt Ion: 83 Resp: 216087

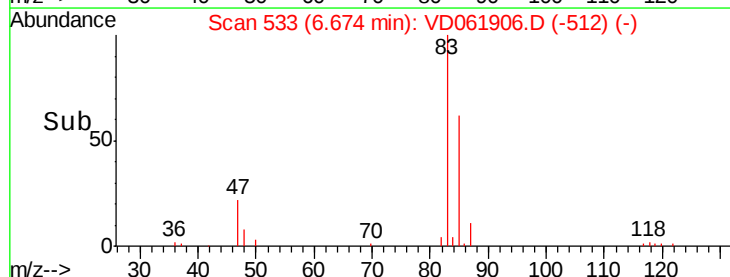
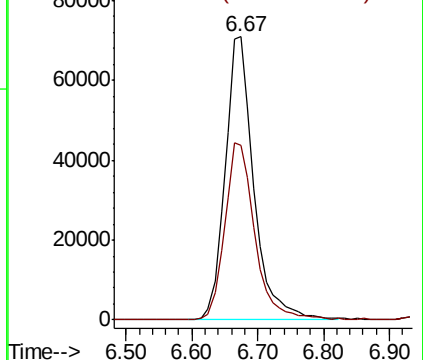
Ion Ratio Lower Upper

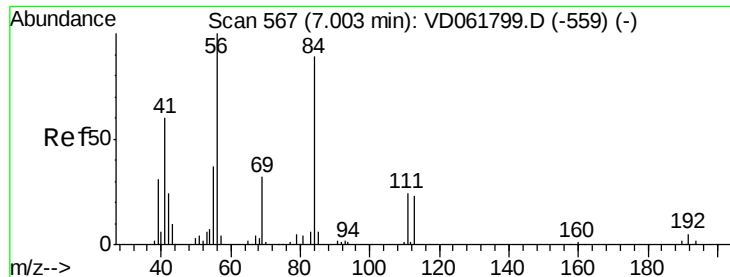
83 100

85 61.6 51.7 77.5



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

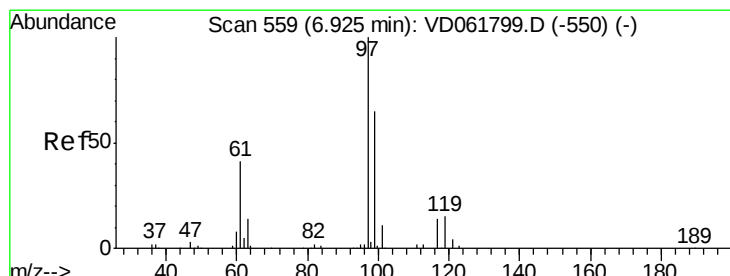
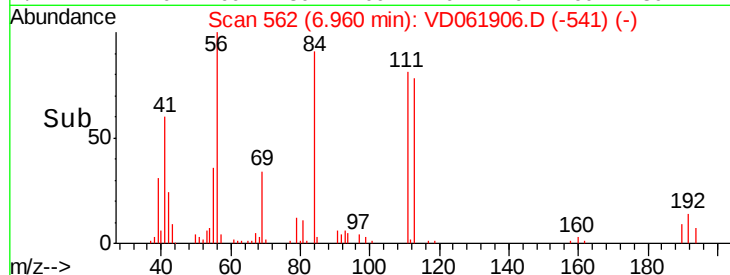
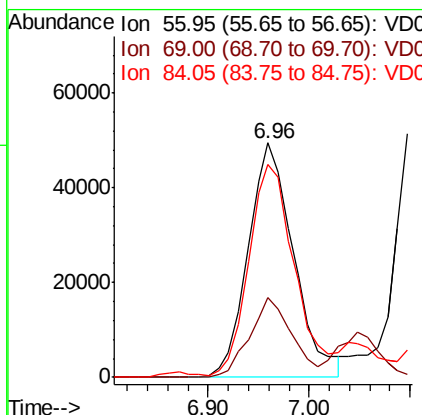
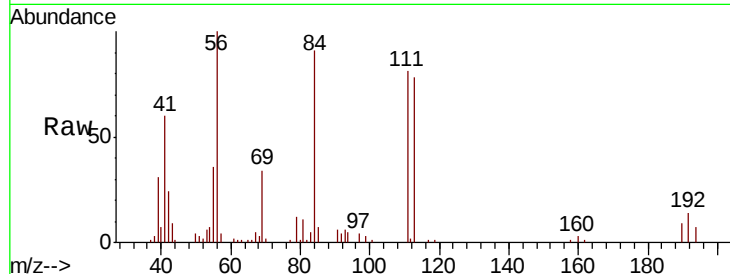




#31
Cyclohexane
Concen: 21.344 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

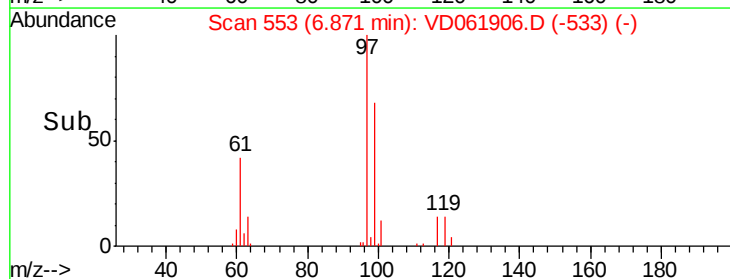
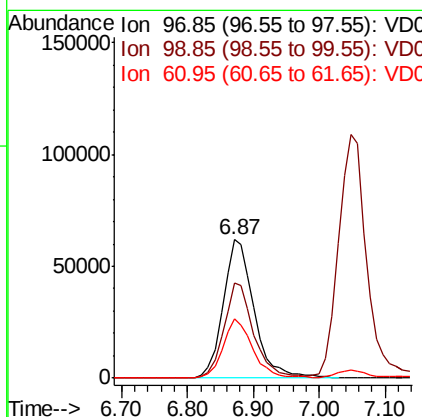
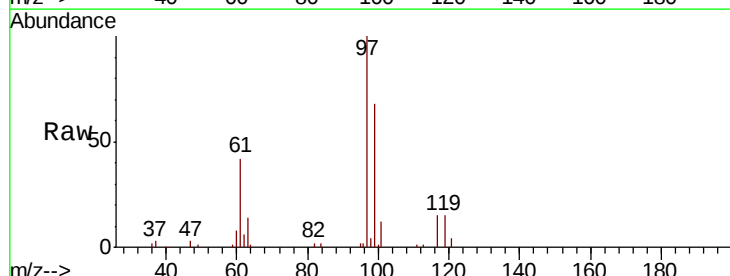
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

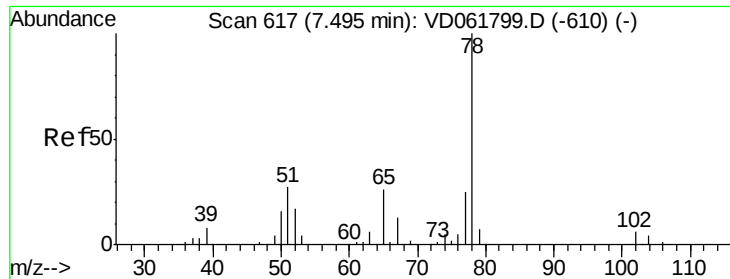
Tgt Ion: 56 Resp: 154508
Ion Ratio Lower Upper
56 100
69 33.9 25.8 38.6
84 90.8 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 21.624 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Tgt Ion: 97 Resp: 202176
Ion Ratio Lower Upper
97 100
99 68.3 52.2 78.2
61 42.4 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 21.624 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

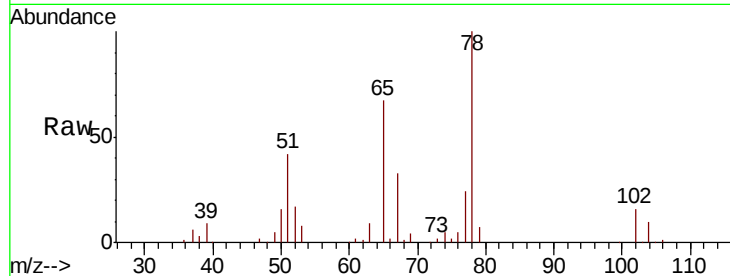
VD0419SBS01

Tgt Ion: 65 Resp: 262363

Ion Ratio Lower Upper

65 100

67 50.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

100000

80000

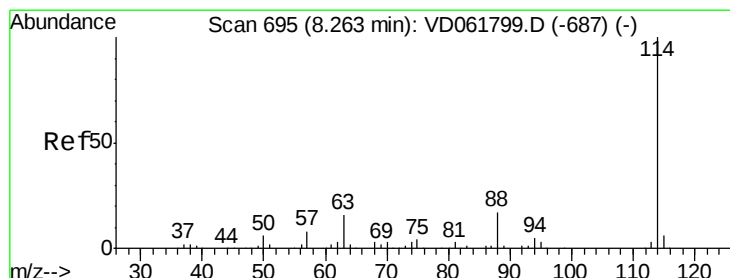
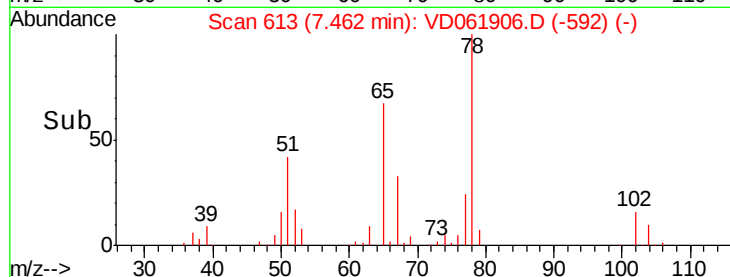
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

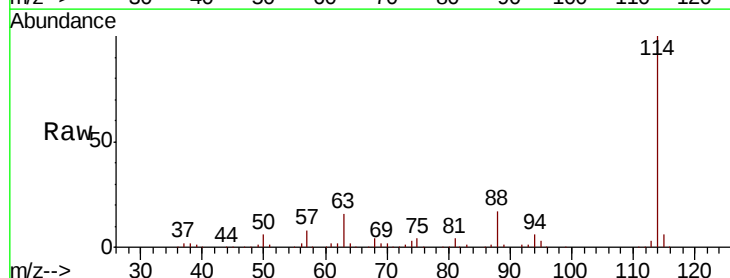
Tgt Ion: 114 Resp: 931846

Ion Ratio Lower Upper

114 100

63 16.1 0.0 32.4

88 17.0 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

400000

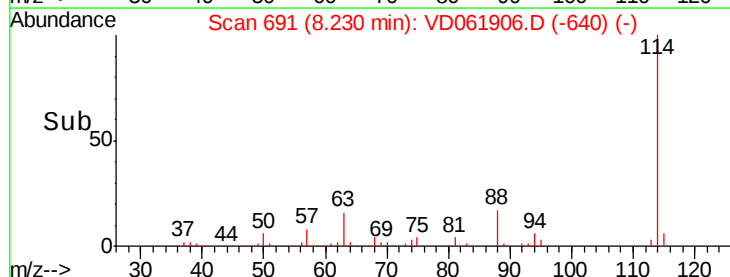
300000

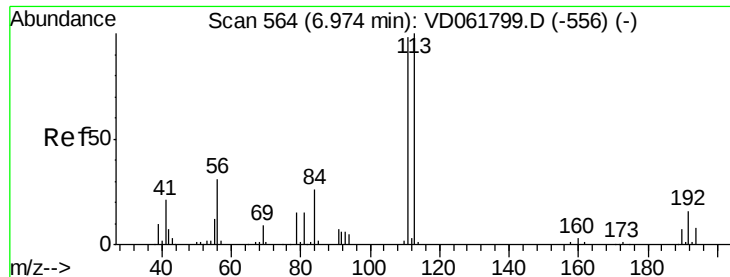
200000

100000

0

Time-->

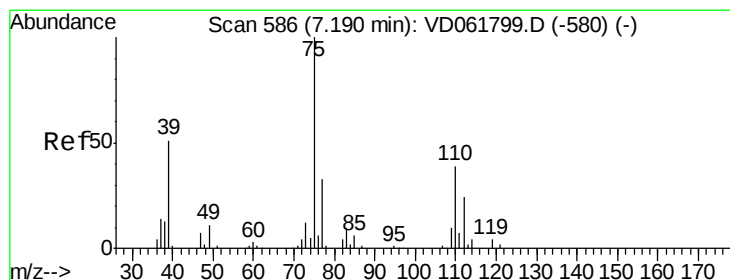
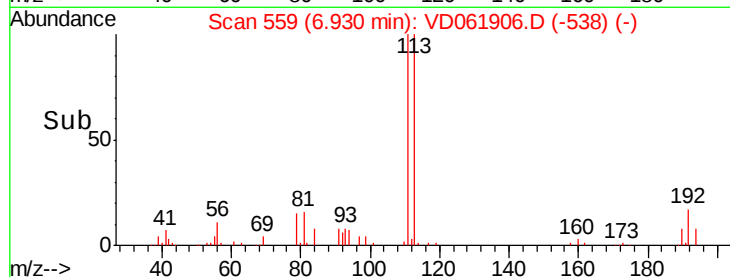
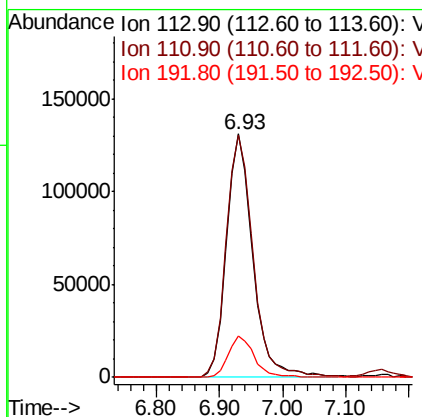
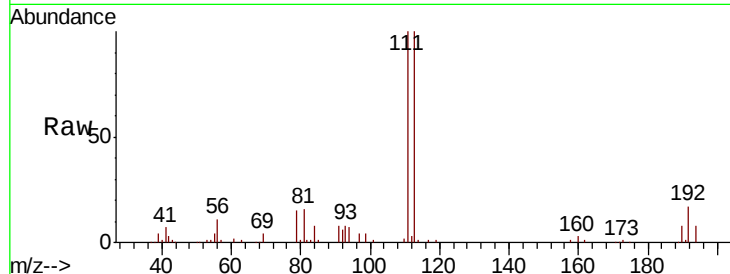




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

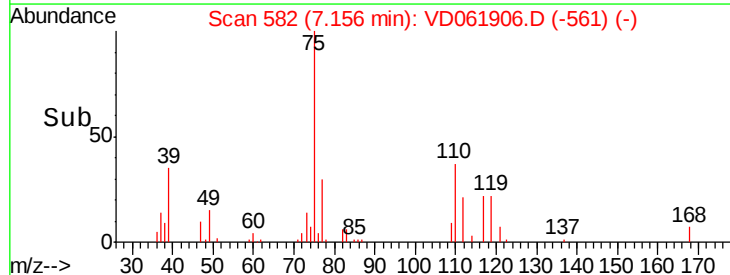
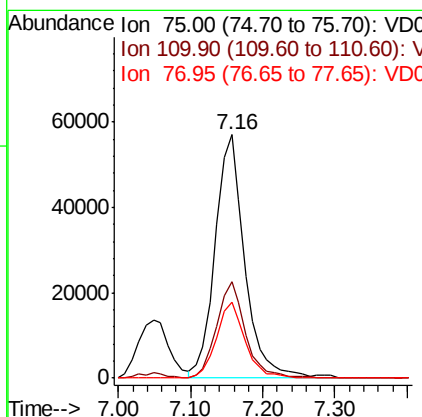
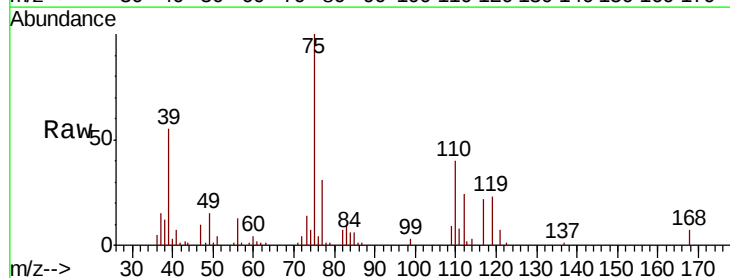
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

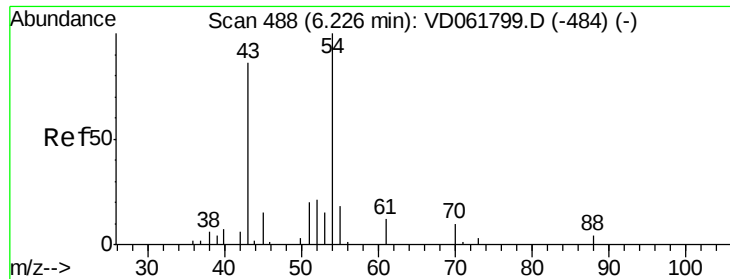
Tgt Ion: 113 Resp: 377182
 Ion Ratio Lower Upper
 113 100
 111 99.8 78.5 117.7
 192 17.2 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 21.260 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Tgt Ion: 75 Resp: 161886
 Ion Ratio Lower Upper
 75 100
 110 39.8 19.1 57.1
 77 31.3 25.6 38.4





#37

Ethyl Acetate

Concen: 21.536 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

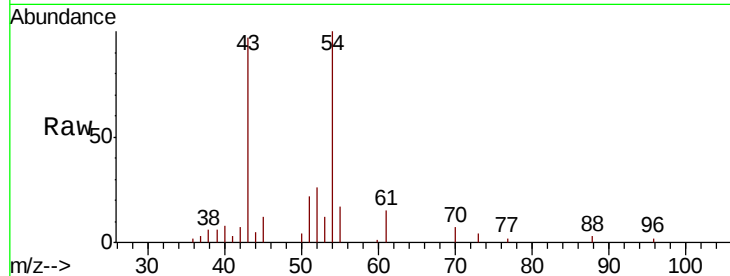
Tgt Ion: 43 Resp: 70185

Ion Ratio Lower Upper

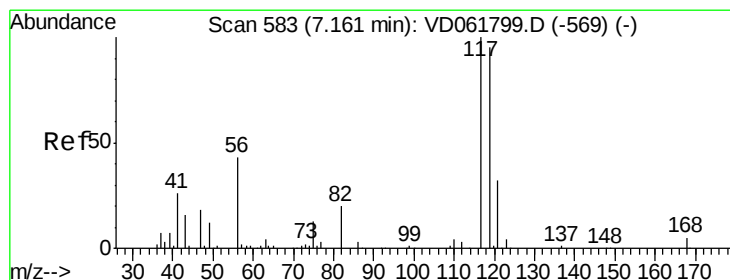
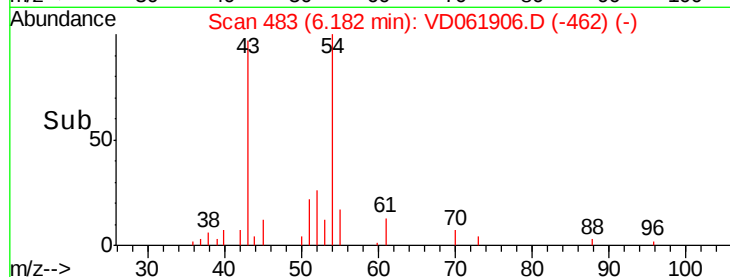
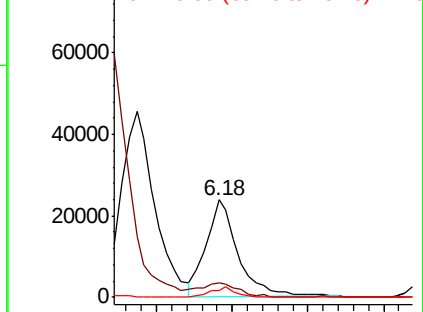
43 100

61 15.3 14.7 22.1

70 7.6 7.8 11.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.659 ug/l

RT: 7.12 min Scan# 578

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

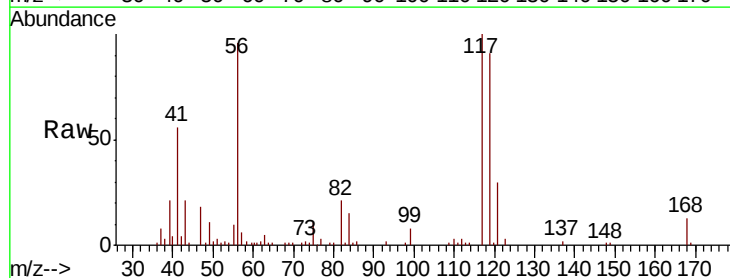
Tgt Ion: 117 Resp: 198643

Ion Ratio Lower Upper

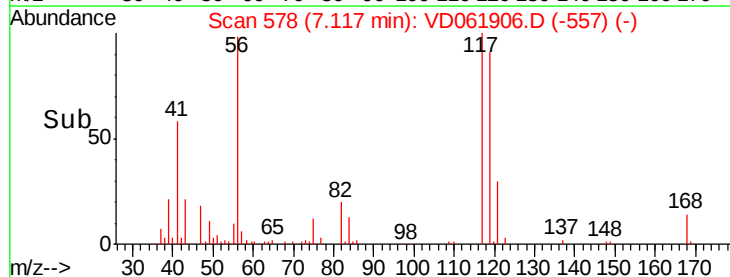
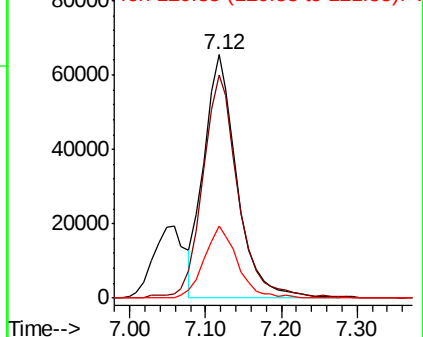
117 100

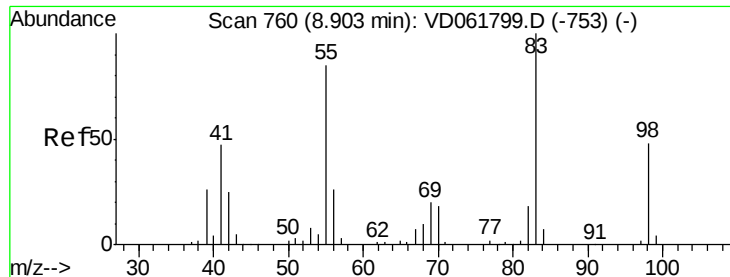
119 91.4 75.8 113.8

121 29.6 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

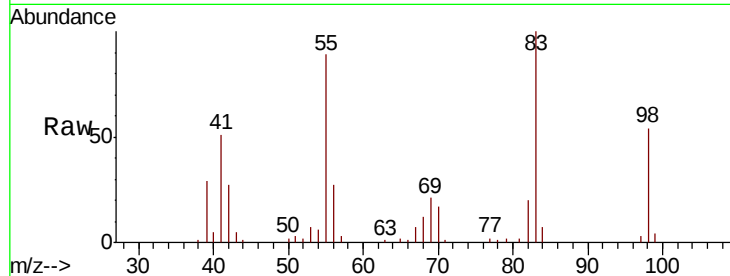




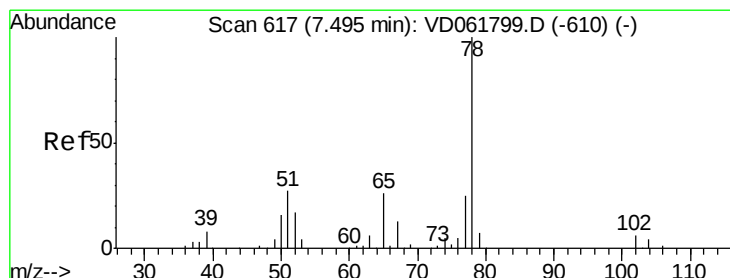
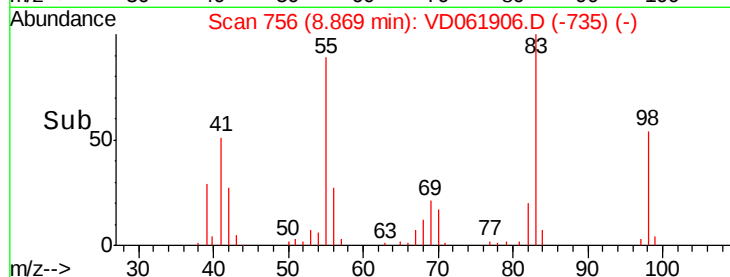
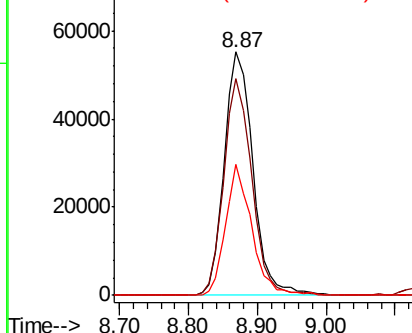
#39
Methylcyclohexane
Concen: 20.191 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

Tgt Ion: 83 Resp: 159658
Ion Ratio Lower Upper
83 100
55 89.0 68.2 102.4
98 53.7 38.2 57.4

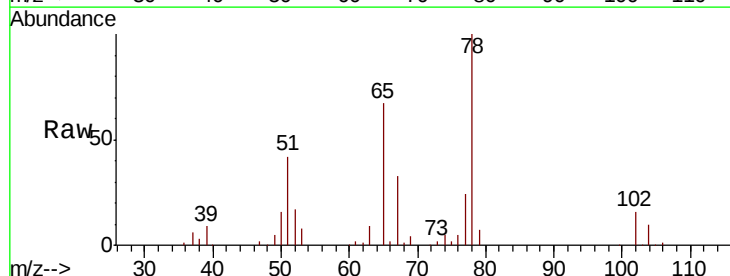


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

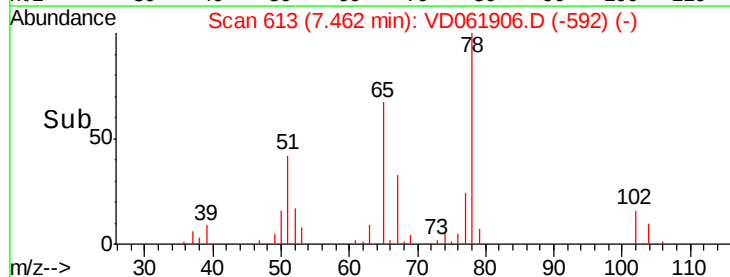
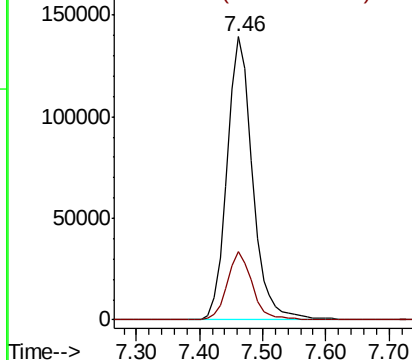


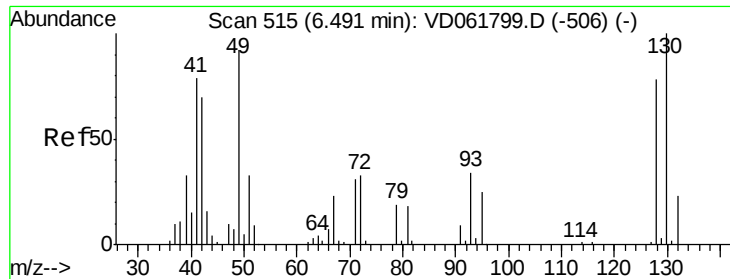
#40
Benzene
Concen: 21.389 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Tgt Ion: 78 Resp: 391008
Ion Ratio Lower Upper
78 100
77 24.1 19.7 29.5



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





#41

Methacrylonitrile

Concen: 23.103 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

Tgt Ion: 41 Resp: 88994

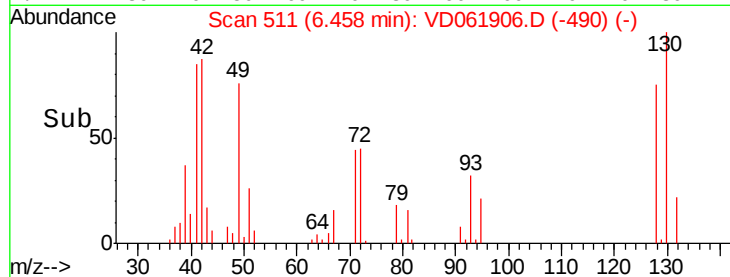
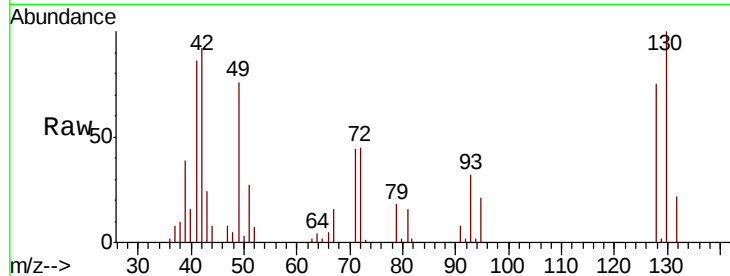
Ion Ratio Lower Upper

41 100

39 44.7 34.1 51.1

67 19.0 23.8 35.6#

52 8.5 8.8 13.2#

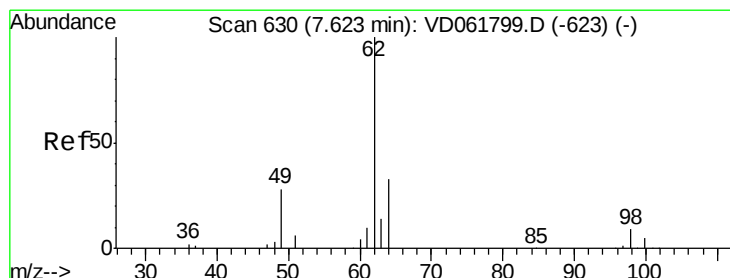
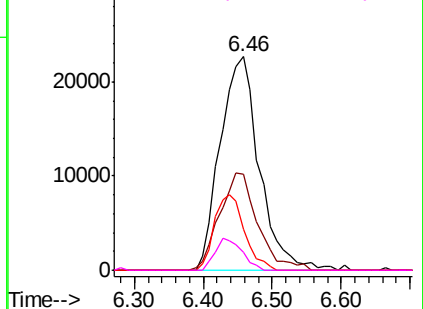


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.143 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.01 min

Lab File: VD061906.D

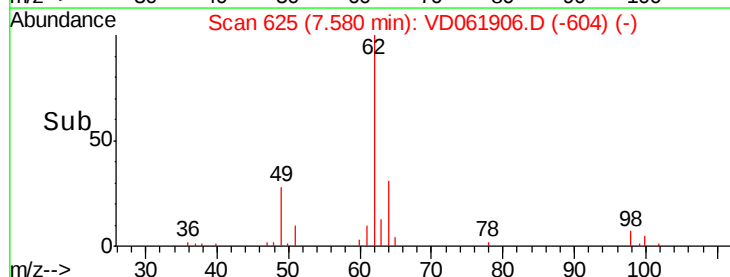
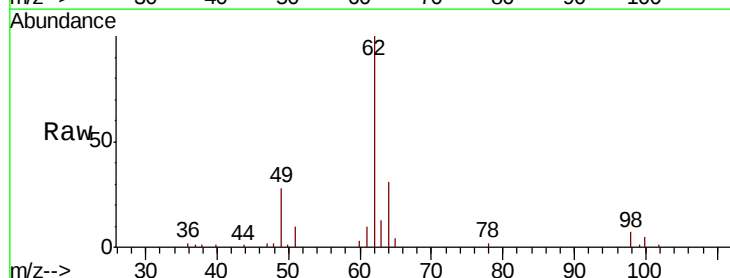
Acq: 19 Apr 2019 13:19

Tgt Ion: 62 Resp: 134614

Ion Ratio Lower Upper

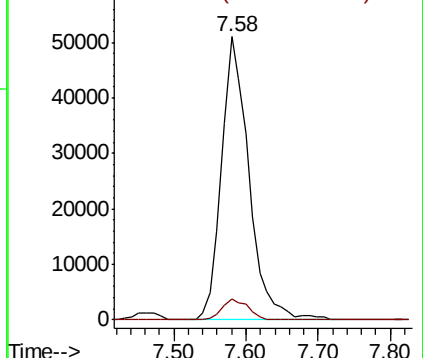
62 100

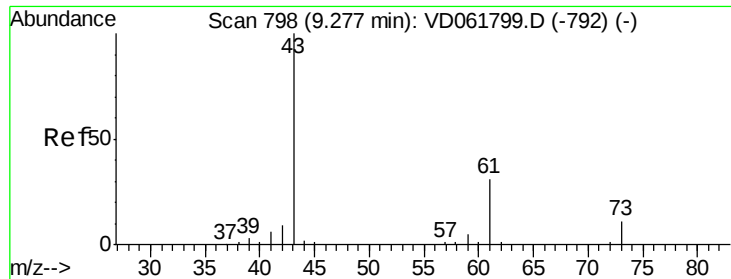
98 7.2 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 22.811 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

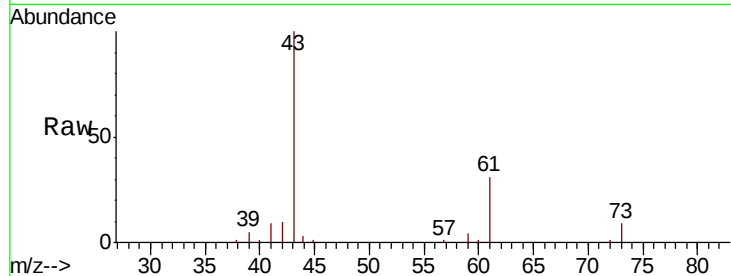
Tgt Ion: 43 Resp: 104615

Ion Ratio Lower Upper

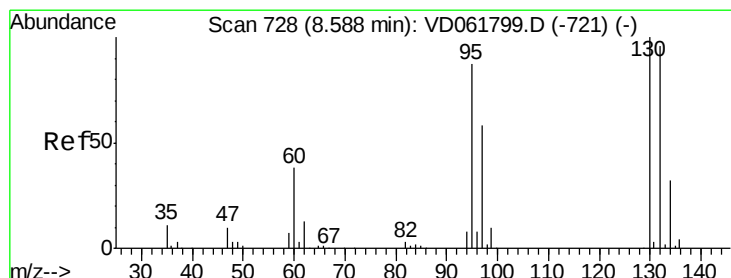
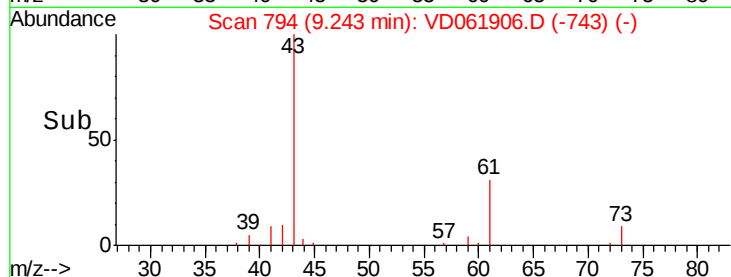
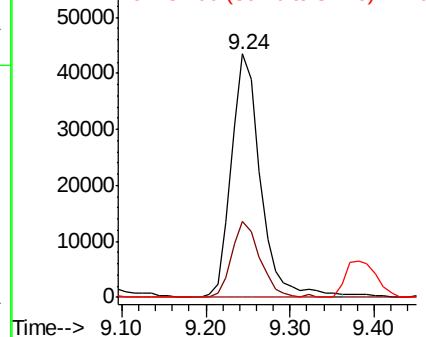
43 100

61 31.3 25.1 37.7

87 0.0 0.0 0.0



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: 21.889 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.01 min

Lab File: VD061906.D

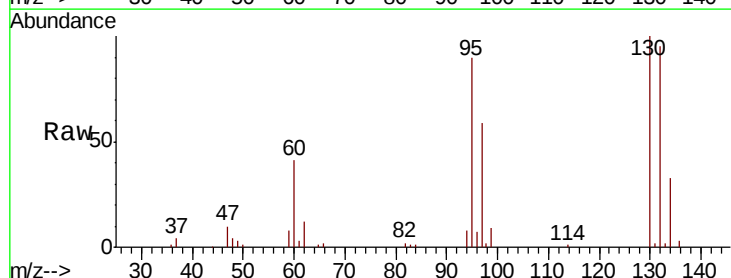
Acq: 19 Apr 2019 13:19

Tgt Ion: 130 Resp: 154046

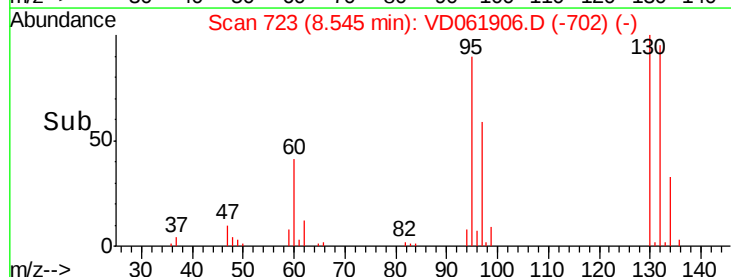
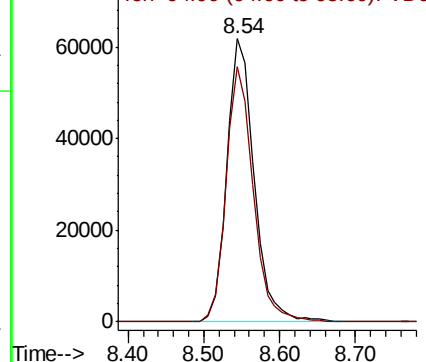
Ion Ratio Lower Upper

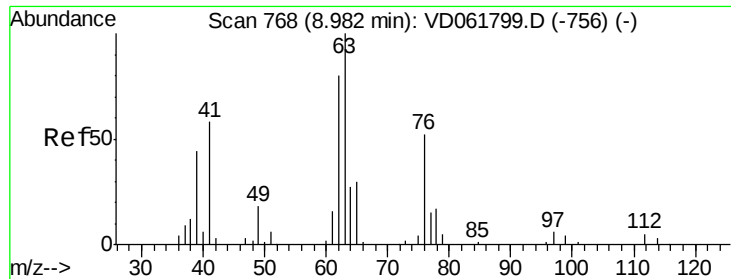
130 100

95 90.2 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 20.600 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

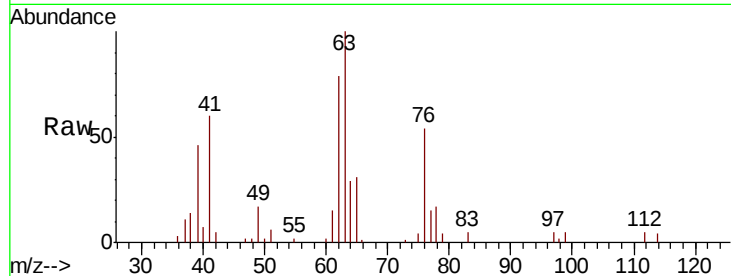
VD0419SBS01

Tgt Ion: 63 Resp: 98093

Ion Ratio Lower Upper

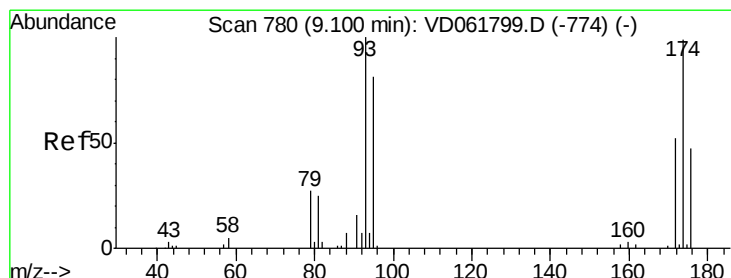
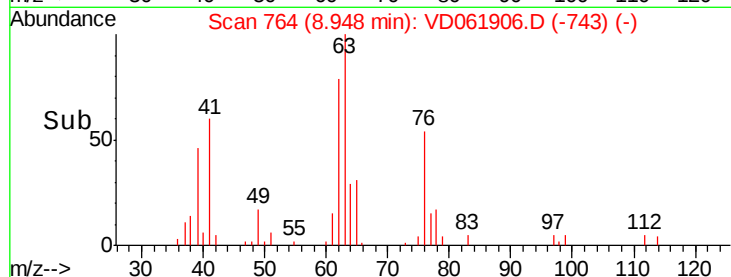
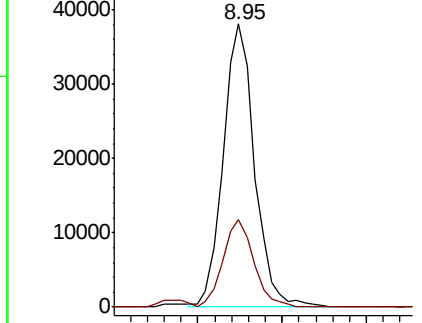
63 100

65 30.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.915 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

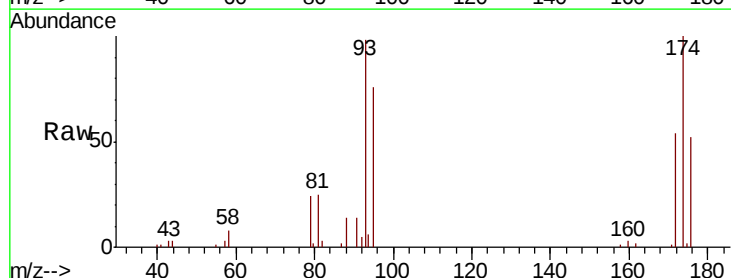
Tgt Ion: 93 Resp: 74356

Ion Ratio Lower Upper

93 100

95 77.8 64.8 97.2

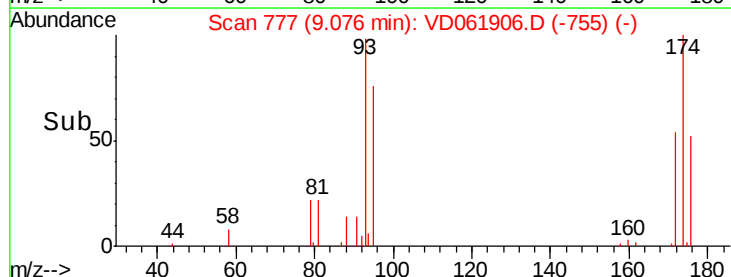
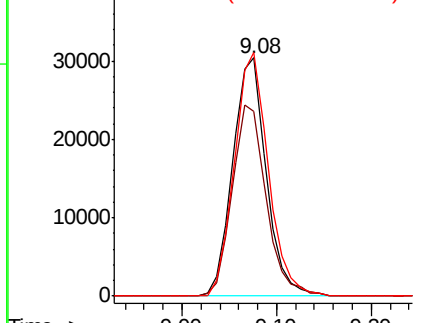
174 102.3 79.3 118.9

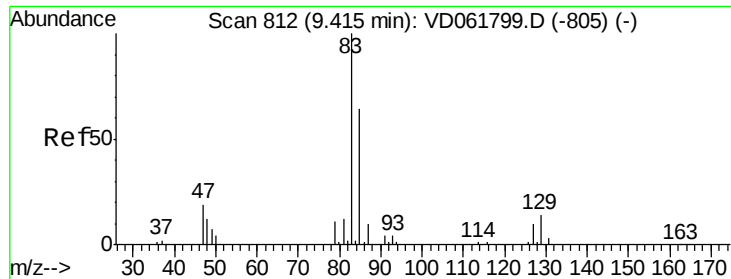


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.427 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

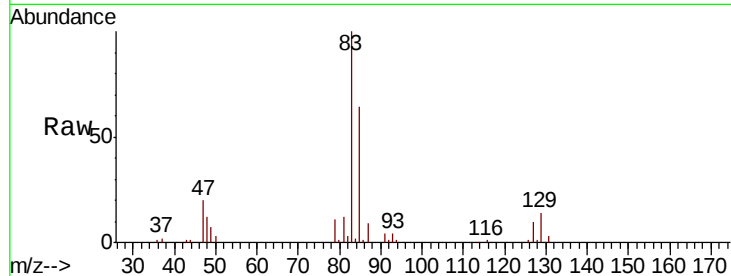
Tgt Ion: 83 Resp: 167723

Ion Ratio Lower Upper

83 100

85 63.9 50.9 76.3

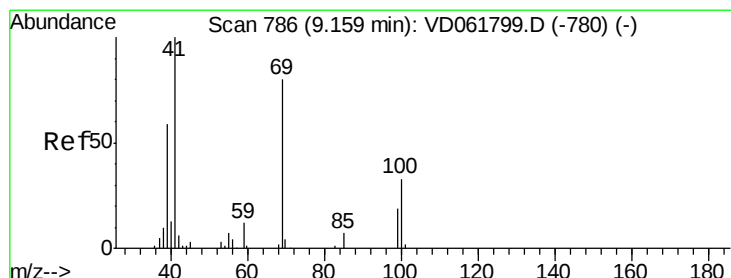
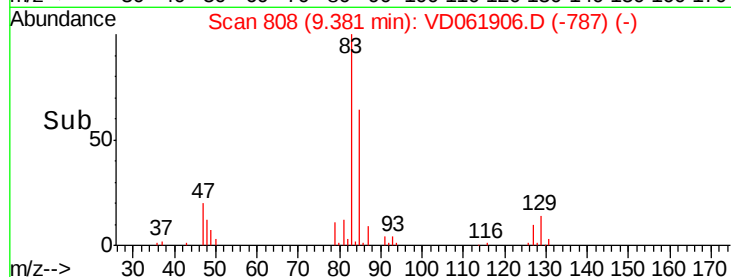
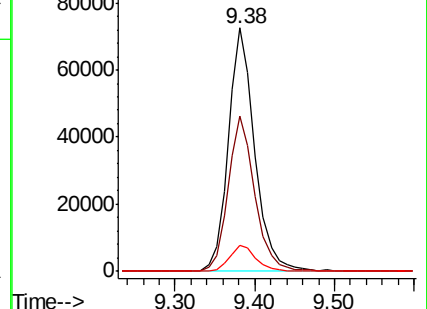
127 10.5 8.1 12.1



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: 20.481 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

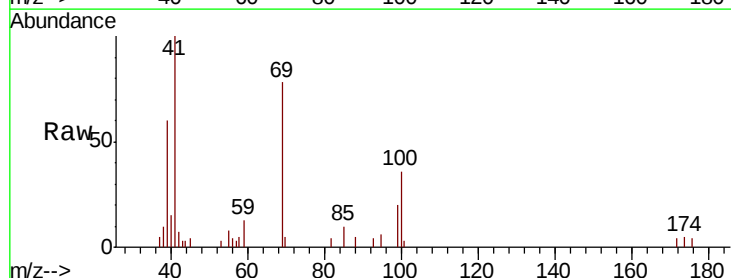
Tgt Ion: 41 Resp: 55214

Ion Ratio Lower Upper

41 100

69 77.7 64.2 96.2

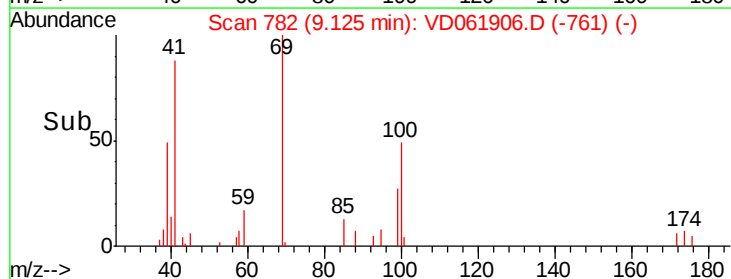
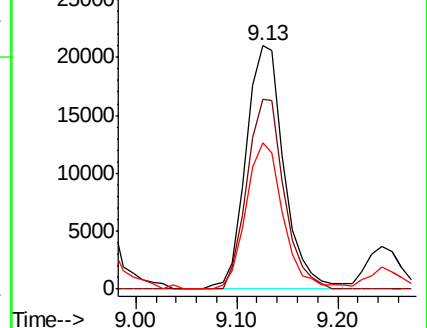
39 60.3 46.8 70.2

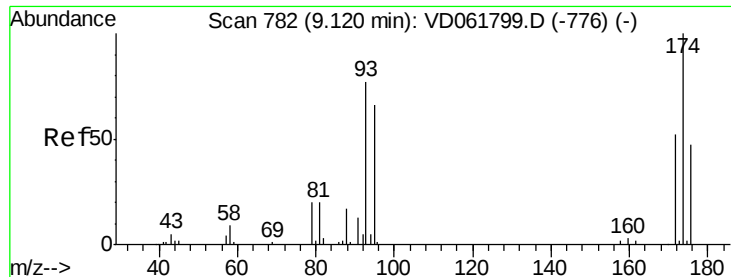


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

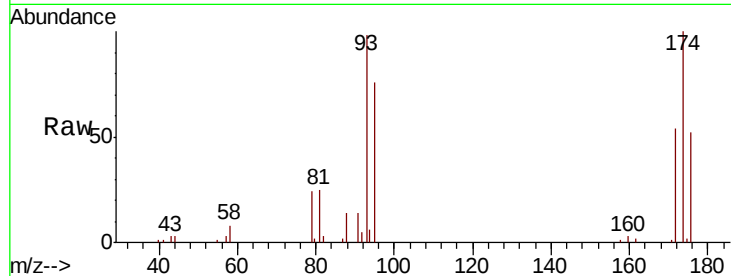




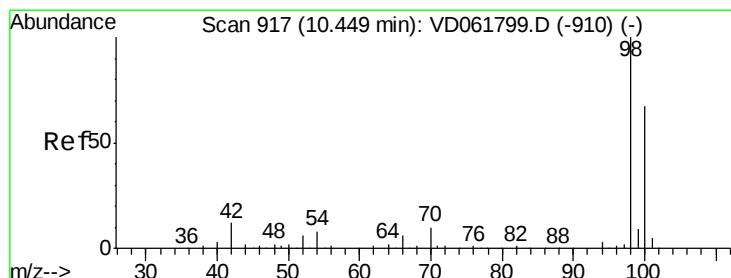
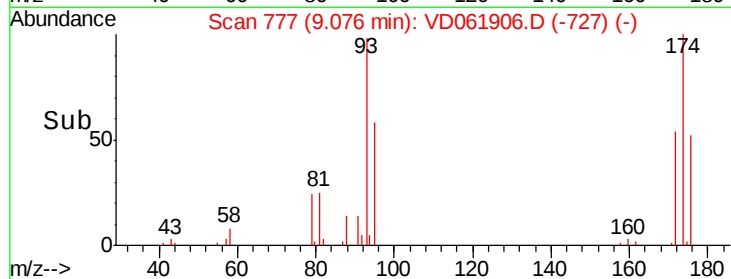
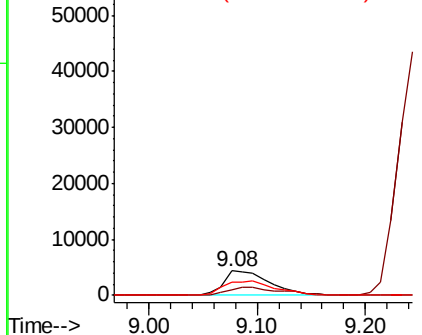
#49
1,4-Dioxane
Concen: 434.605 ug/l
RT: 9.08 min Scan# 777
Delta R.T. -0.00 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

Tgt Ion: 88 Resp: 12806
Ion Ratio Lower Upper
88 100
43 22.6 23.4 35.0#
58 55.7 44.0 66.0

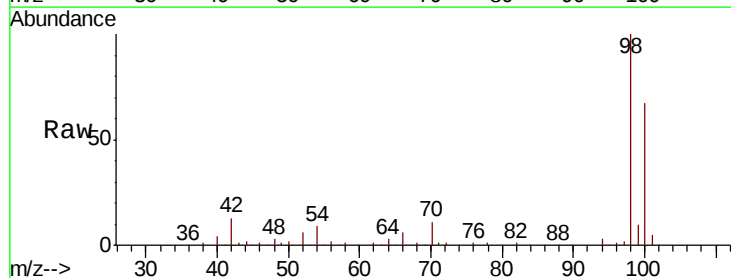


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

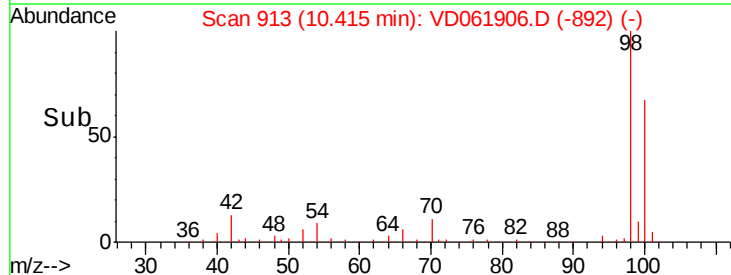
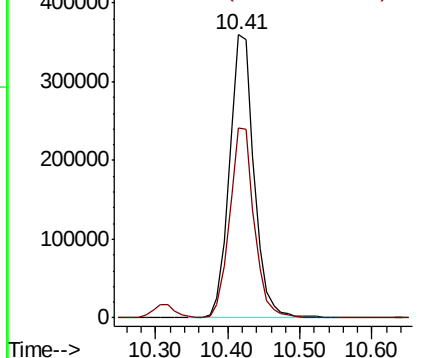


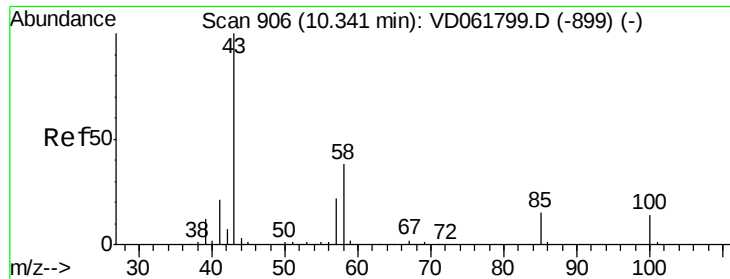
#50
Toluene-d8
Concen: 434.605 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Tgt Ion: 98 Resp: 854779
Ion Ratio Lower Upper
98 100
100 67.1 53.8 80.8



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

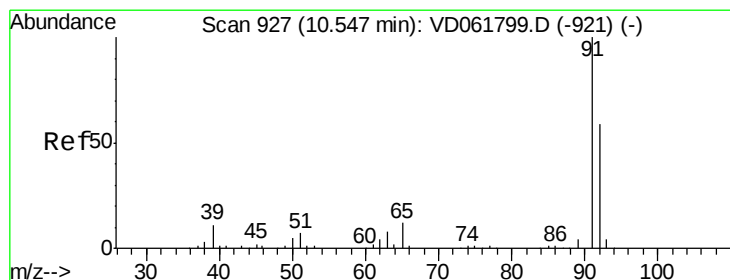
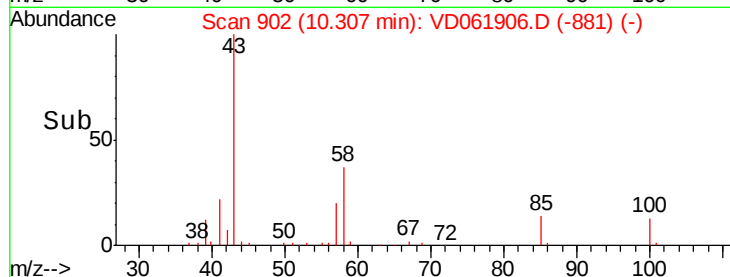
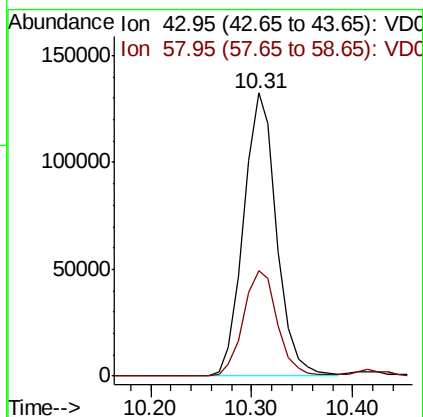
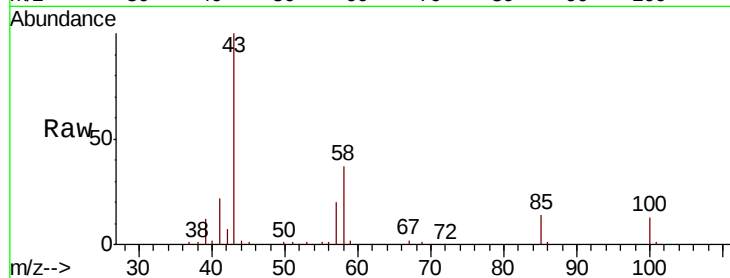




#51
 4-Methyl-2-Pentanone
 Concen: 107.961 ug/l
 RT: 10.31 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

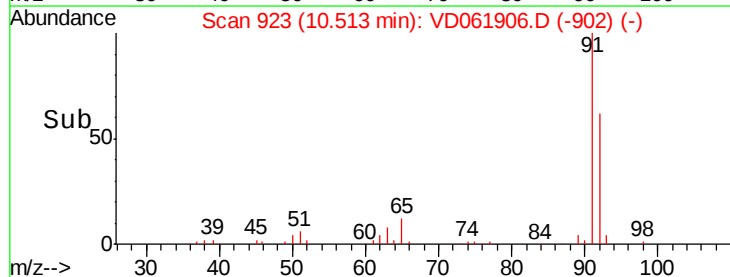
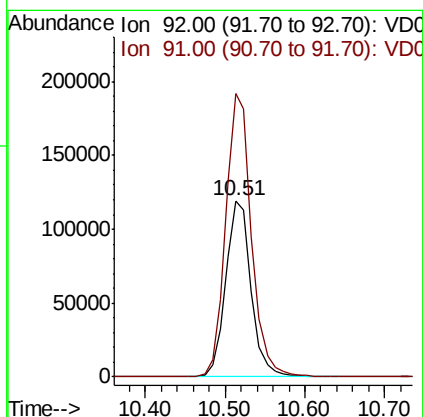
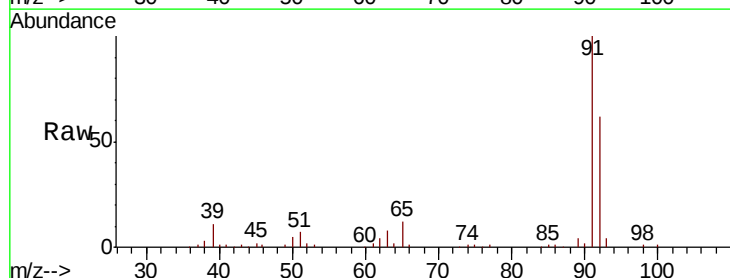
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

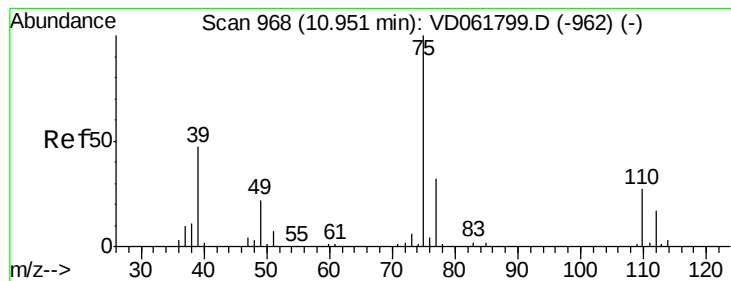
Tgt Ion: 43 Resp: 302792
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.4 45.6



#52
 Toluene
 Concen: 22.796 ug/l
 RT: 10.51 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Tgt Ion: 92 Resp: 267058
 Ion Ratio Lower Upper
 92 100
 91 160.5 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 20.684 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

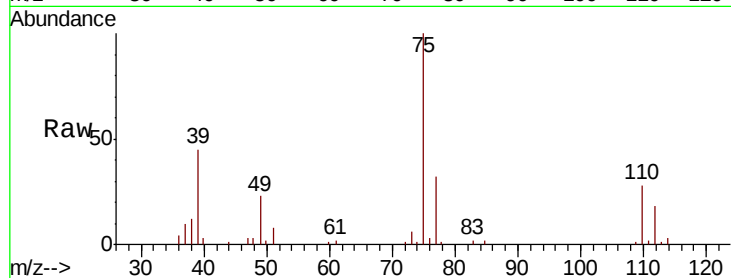
VD0419SBS01

Tgt Ion: 75 Resp: 145887

Ion Ratio Lower Upper

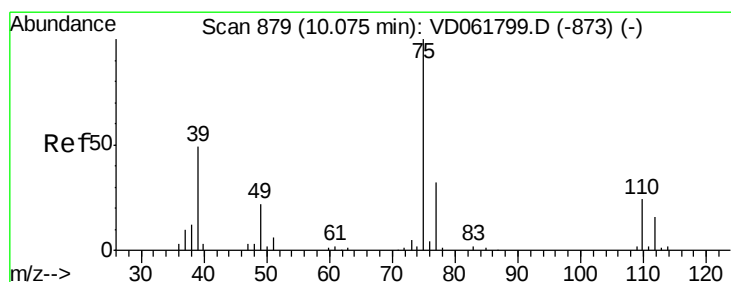
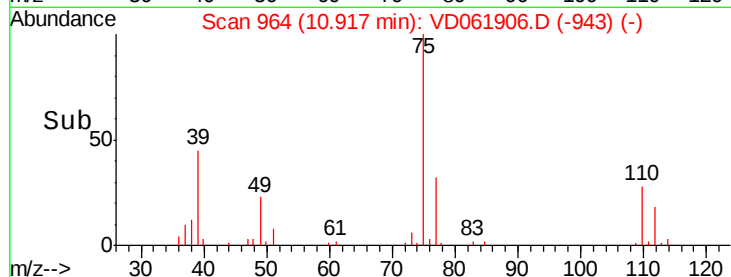
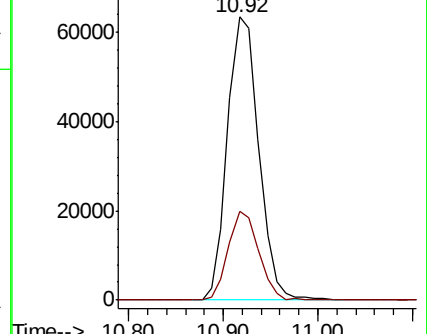
75 100

77 31.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.656 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

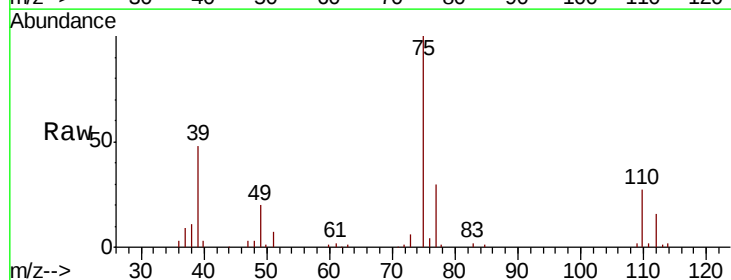
Tgt Ion: 75 Resp: 179300

Ion Ratio Lower Upper

75 100

77 30.1 25.5 38.3

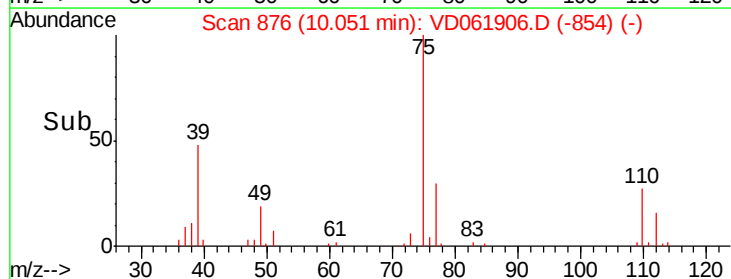
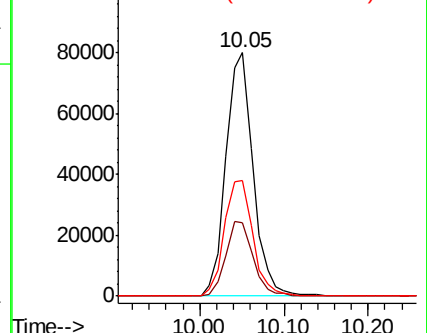
39 47.5 39.4 59.2

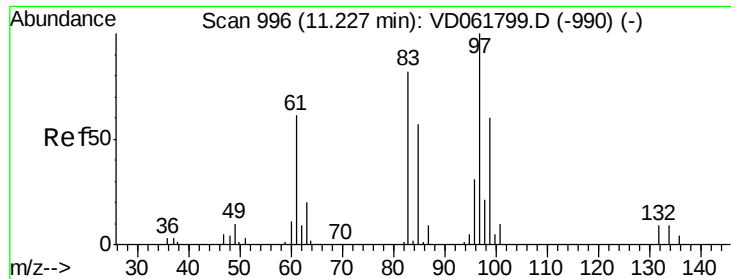


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

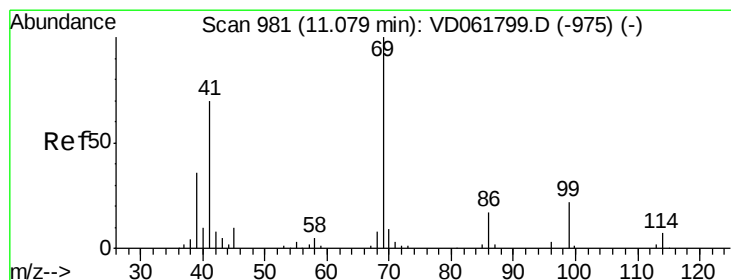
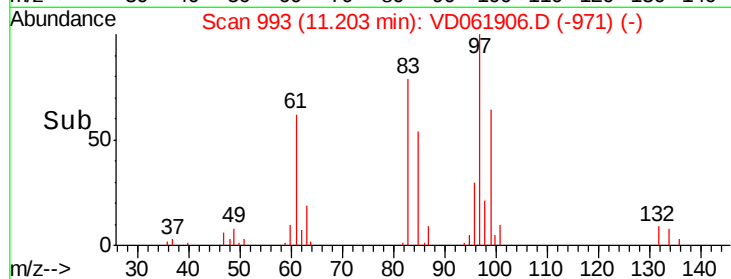
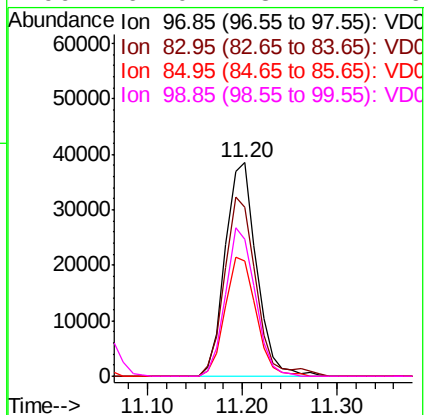
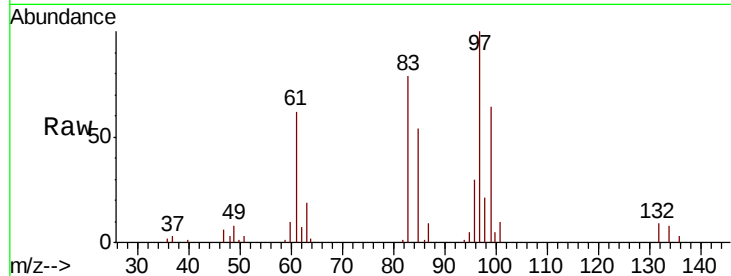




#55
 1,1,2-Trichloroethane
 Concen: 22.469 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

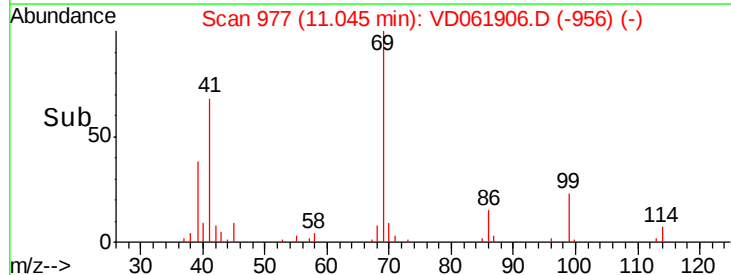
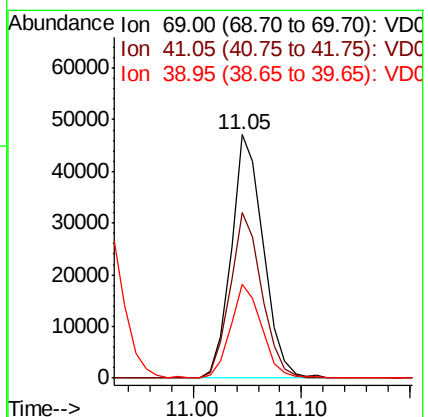
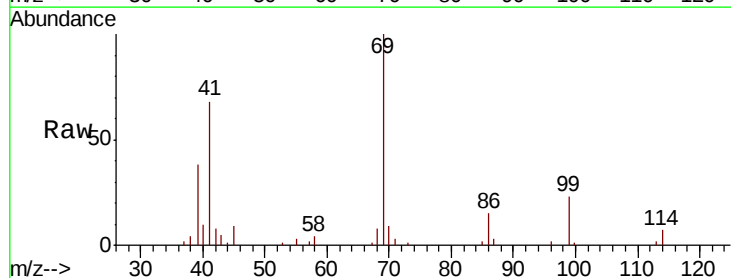
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

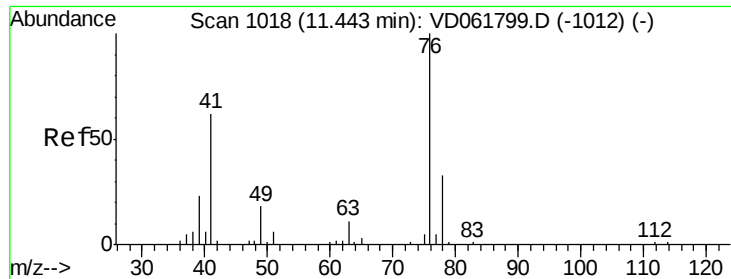
Tgt Ion:	97	Resp:	88698
Ion	Ratio	Lower	Upper
97	100		
83	79.1	65.7	98.5
85	53.9	45.6	68.4
99	64.0	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 22.258 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Tgt Ion:	69	Resp:	96437
Ion	Ratio	Lower	Upper
69	100		
41	67.8	56.3	84.5
39	38.5	29.4	44.2

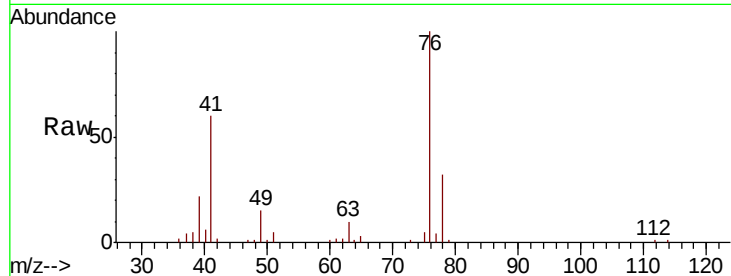




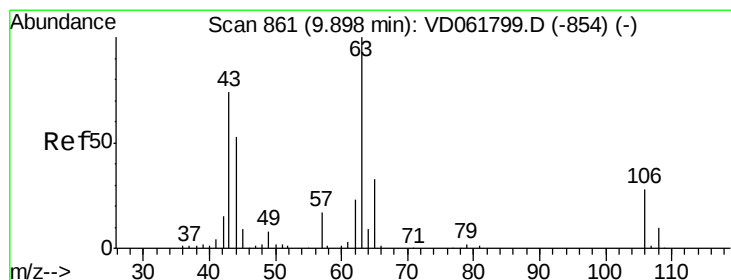
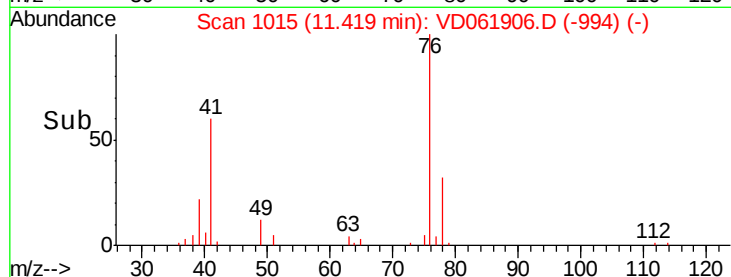
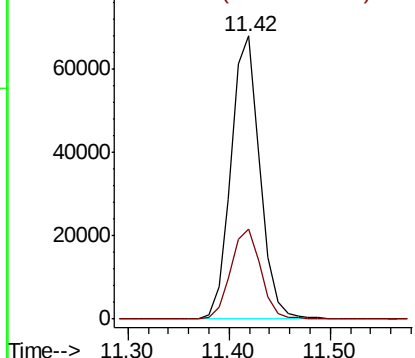
#57
 1,3-Dichloropropane
 Concen: 22.635 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

Tgt Ion: 76 Resp: 134334
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2

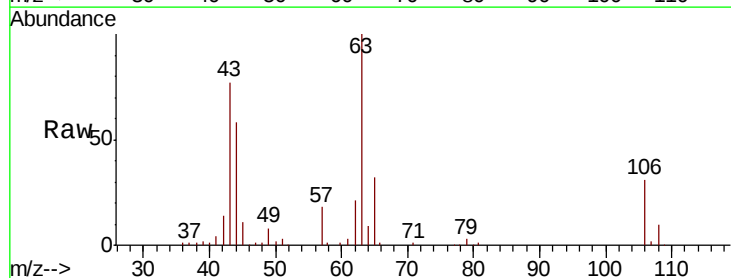


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

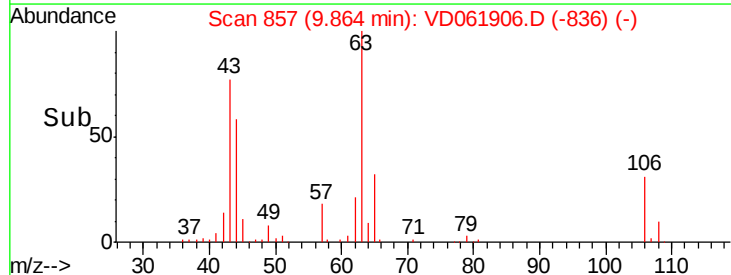
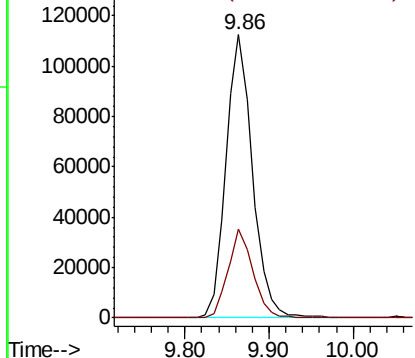


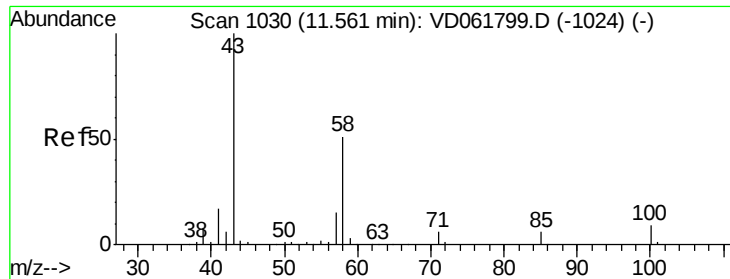
#58
 2-Chloroethyl Vinyl ether
 Concen: 119.076 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Tgt Ion: 63 Resp: 245389
 Ion Ratio Lower Upper
 63 100
 106 31.5 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

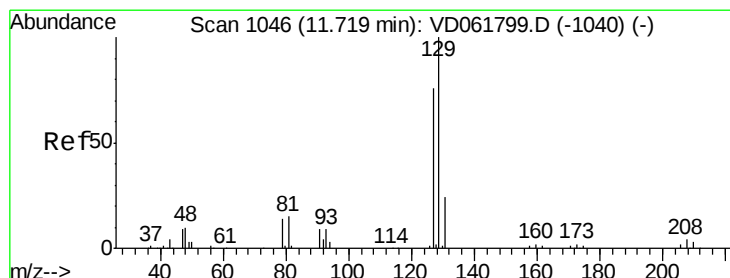
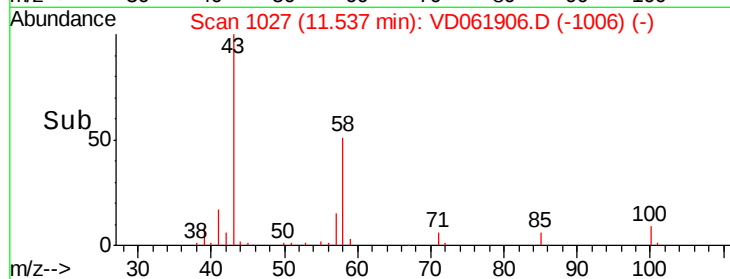
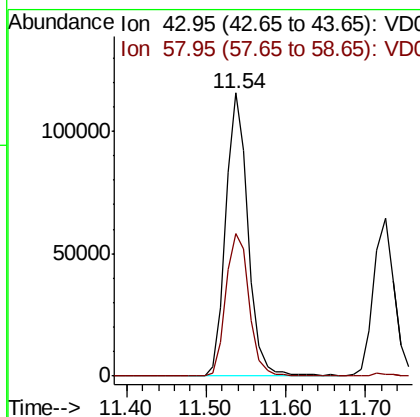
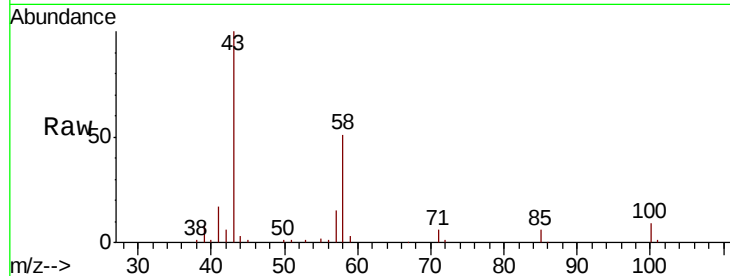




#59
2-Hexanone
Concen: 109.552 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

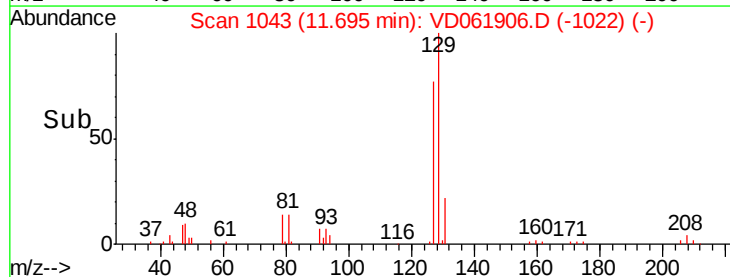
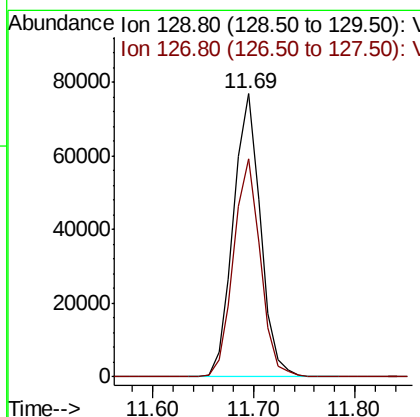
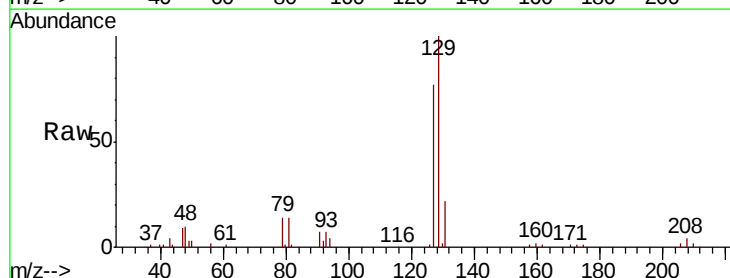
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

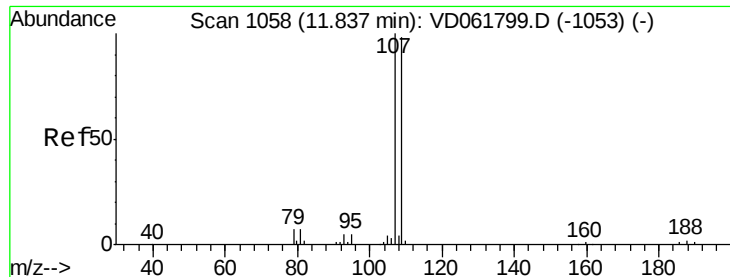
Tgt Ion: 43 Resp: 228205
Ion Ratio Lower Upper
43 100
58 50.6 25.4 76.4



#60
Dibromochloromethane
Concen: 22.238 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Tgt Ion: 129 Resp: 143638
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9

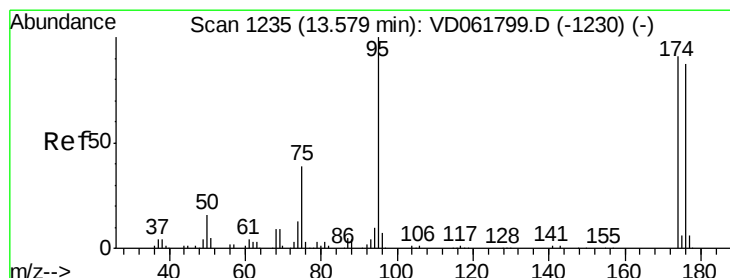
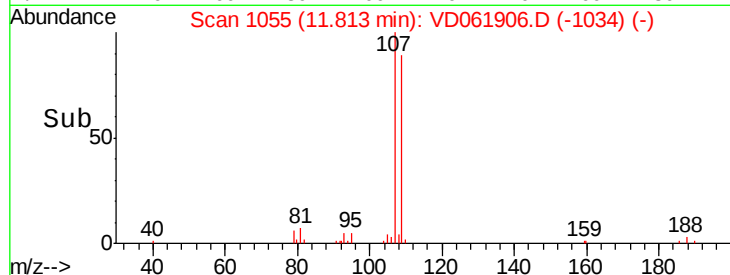
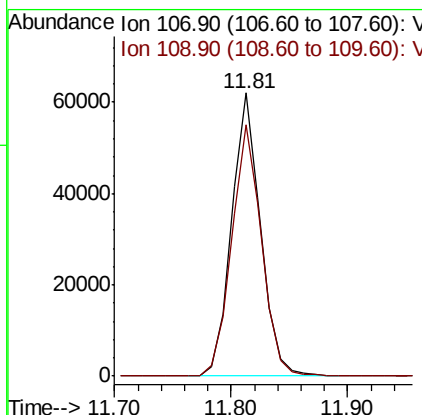
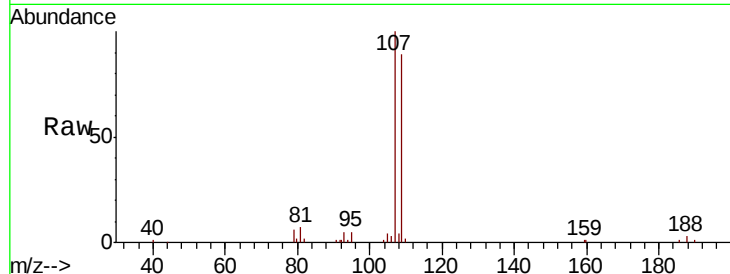




#61
 1,2-Dibromoethane
 Concen: 21.803 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

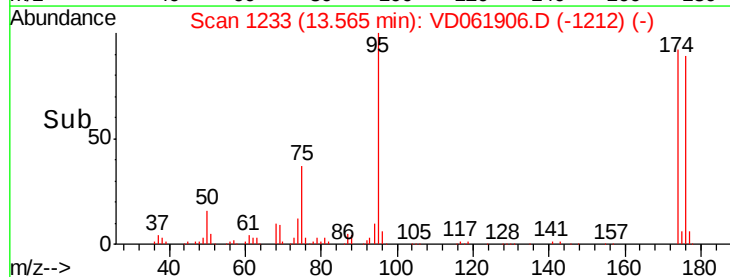
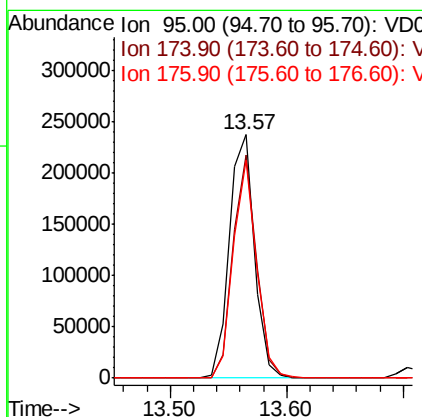
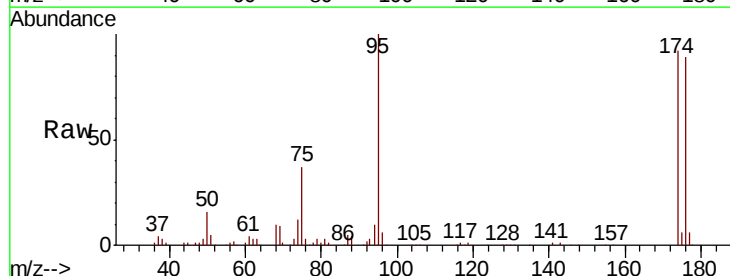
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

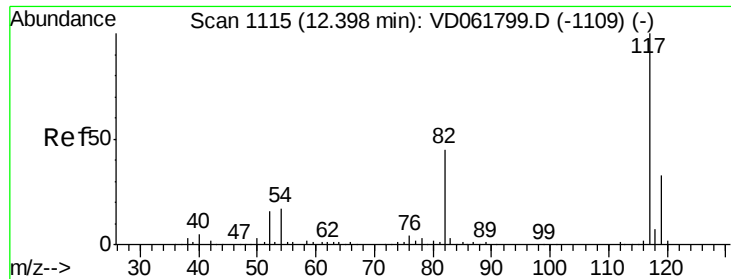
Tgt Ion: 107 Resp: 105829
 Ion Ratio Lower Upper
 107 100
 109 89.0 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 21.803 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Tgt Ion: 95 Resp: 354179
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 181.8
 176 89.4 0.0 174.4

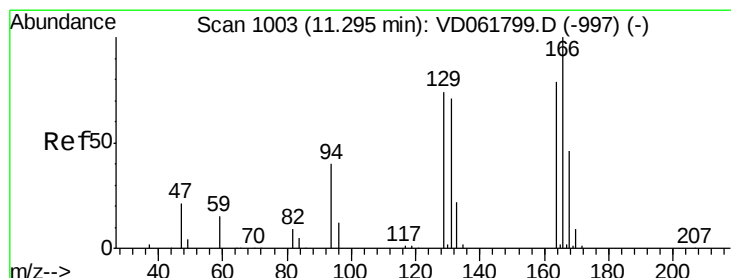
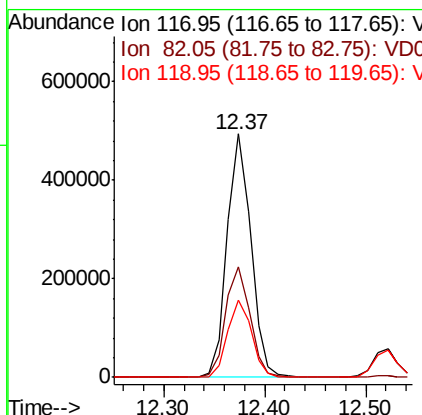
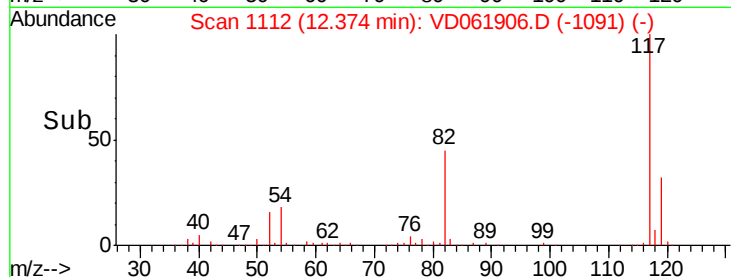
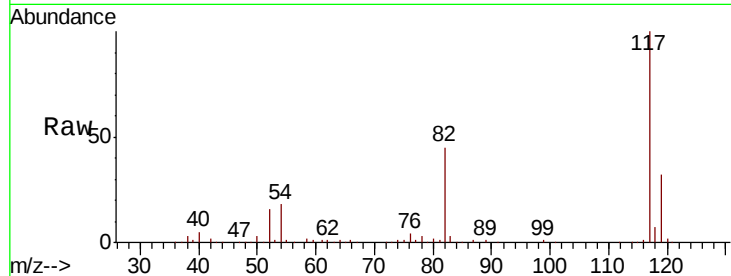




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

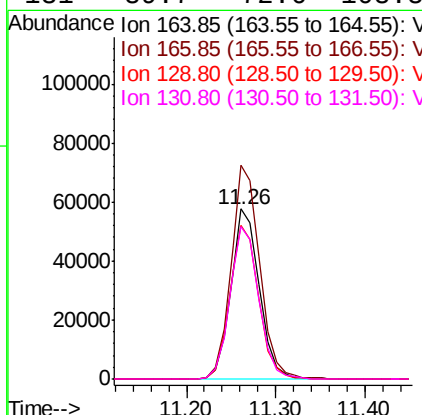
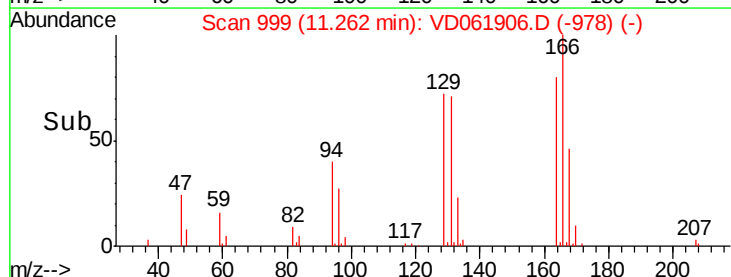
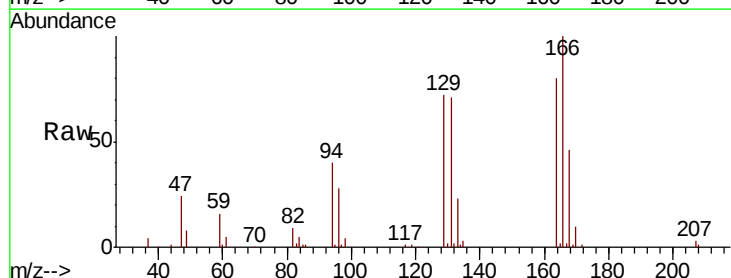
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

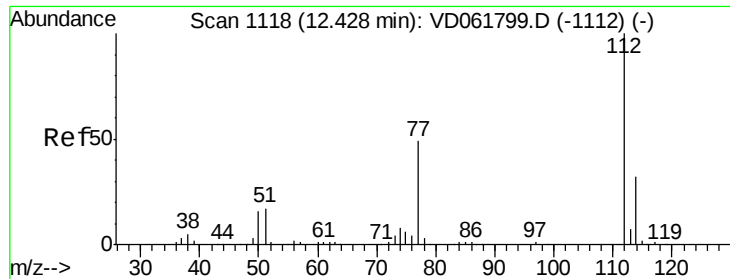
Tgt Ion:117 Resp: 812694
Ion Ratio Lower Upper
117 100
82 45.4 36.2 54.2
119 31.6 26.2 39.4



#64
Tetrachloroethene
Concen: 21.024 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Tgt Ion:164 Resp: 128137
Ion Ratio Lower Upper
164 100
166 125.5 101.5 152.3
129 90.6 74.6 112.0
131 89.7 72.6 108.8

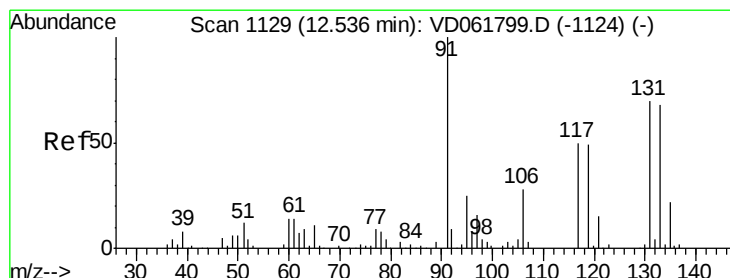
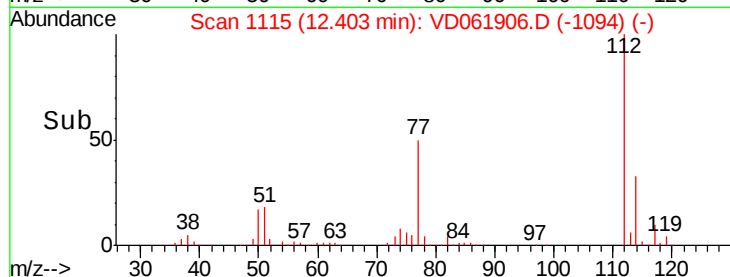
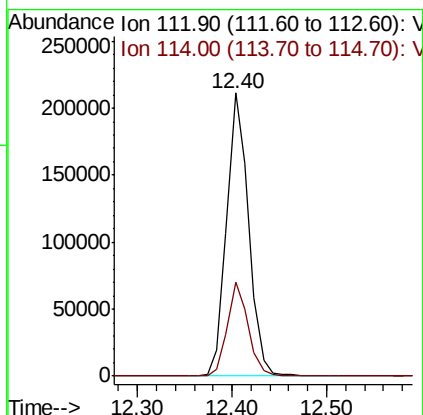
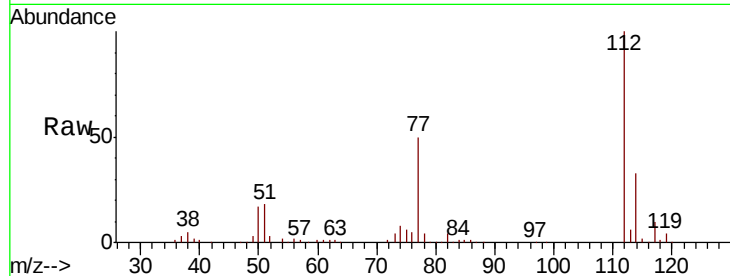




#65
Chlorobenzene
Concen: 22.425 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

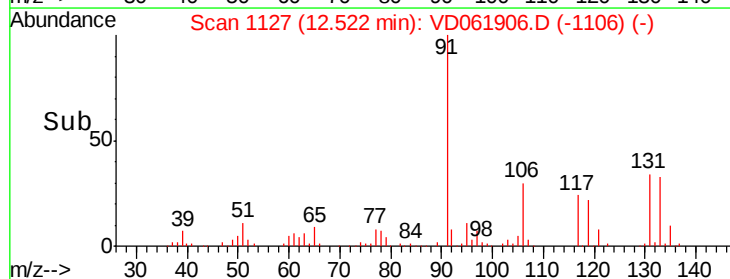
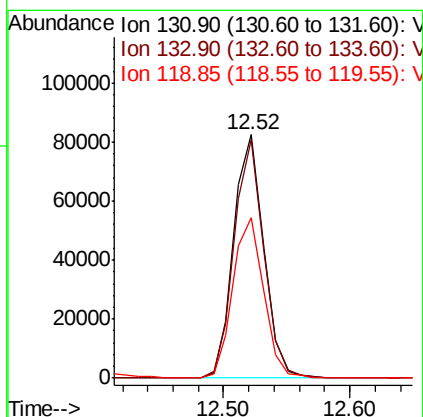
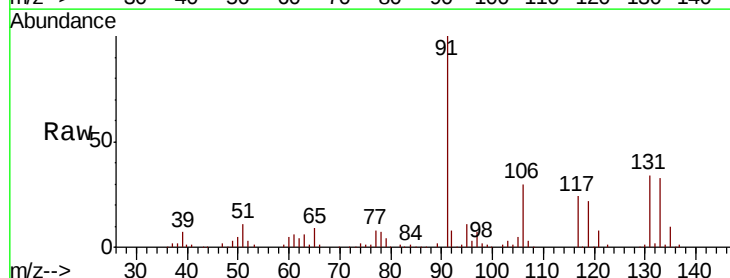
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

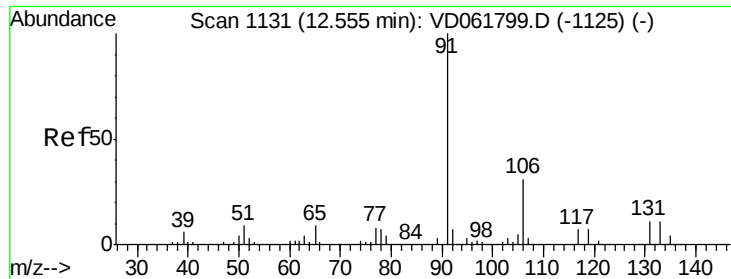
Tgt Ion:112 Resp: 339407
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.426 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Tgt Ion:131 Resp: 135896
Ion Ratio Lower Upper
131 100
133 98.0 48.6 145.8
119 66.0 34.7 104.1

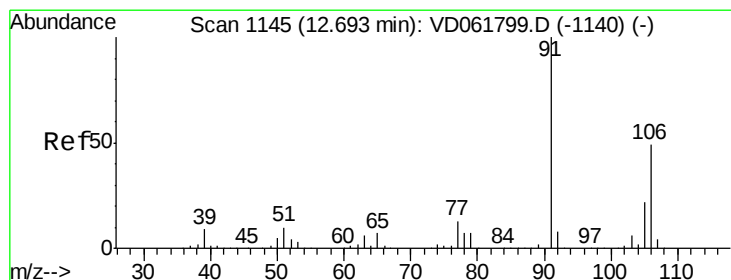
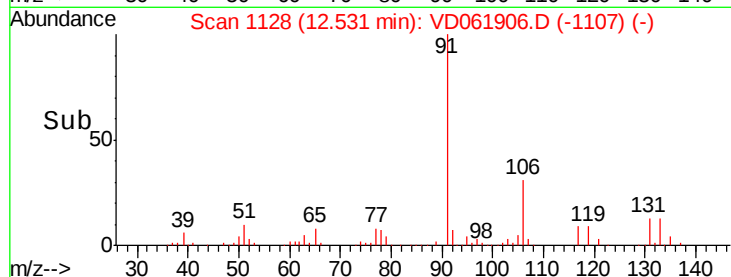
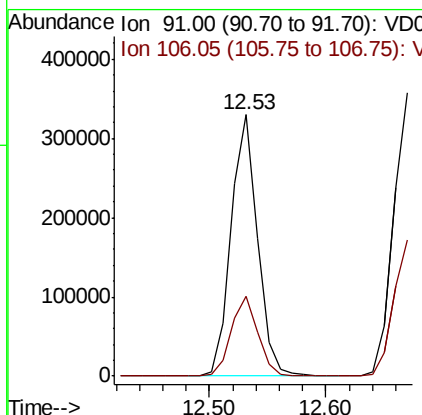
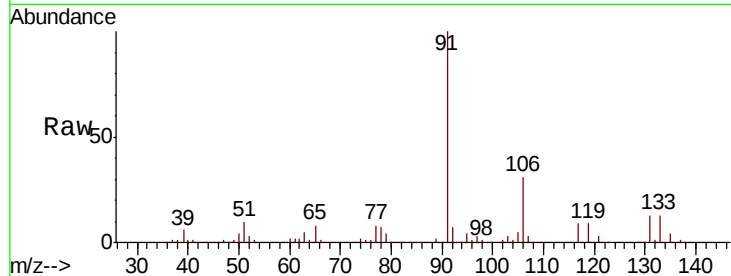




#67
Ethyl Benzene
Concen: 21.394 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

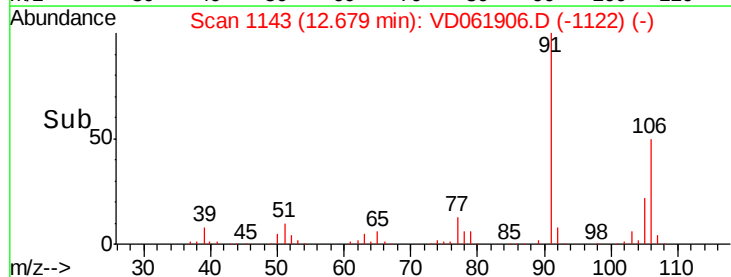
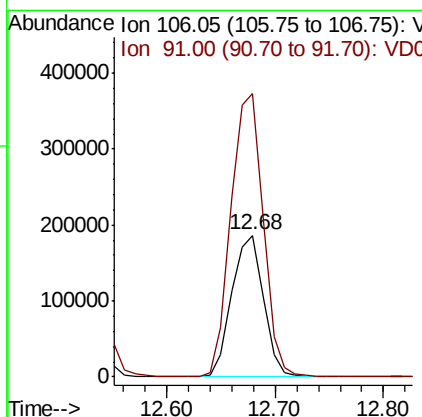
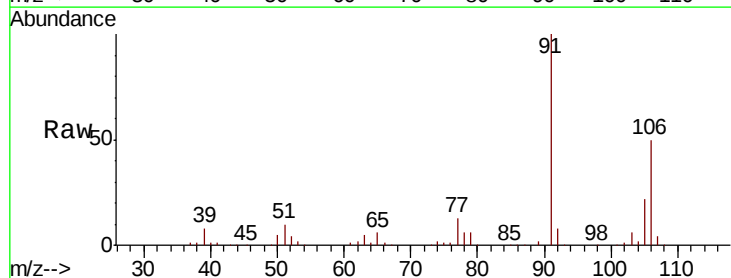
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

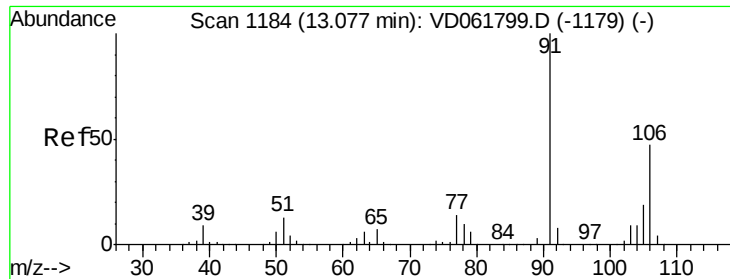
Tgt Ion: 91 Resp: 518537
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1



#68
m/p-Xylenes
Concen: 41.747 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Tgt Ion: 106 Resp: 380088
Ion Ratio Lower Upper
106 100
91 200.3 164.0 246.0

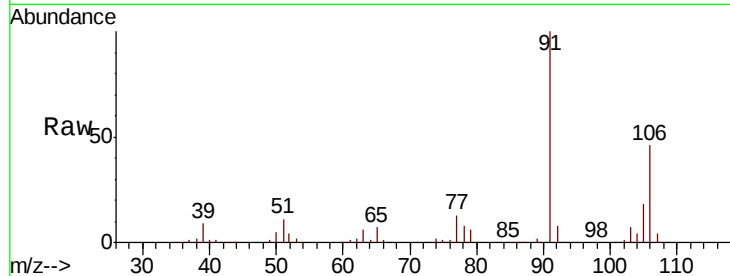




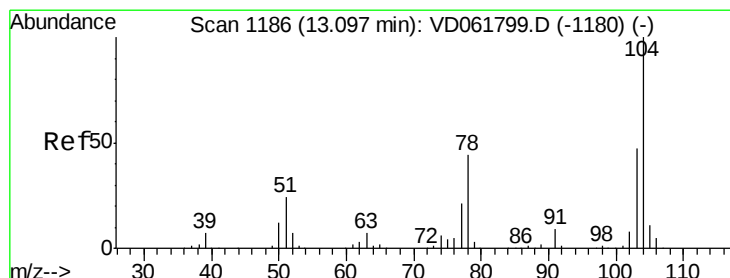
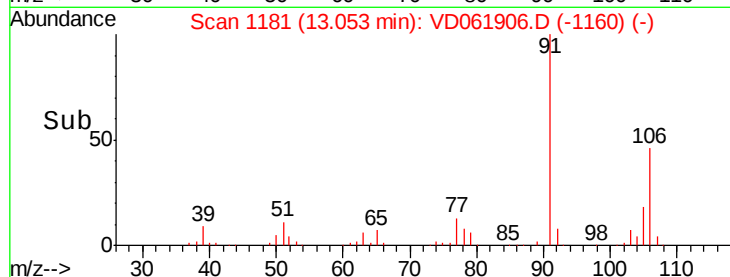
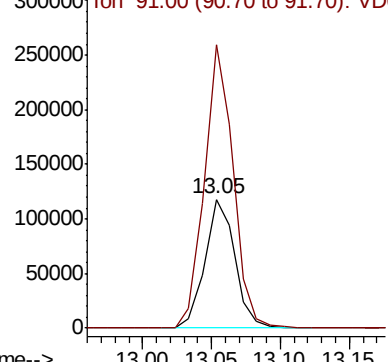
#69
o-Xylene
Concen: 20.852 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

Tgt Ion:106 Resp: 178445
Ion Ratio Lower Upper
106 100
91 219.7 106.7 319.9

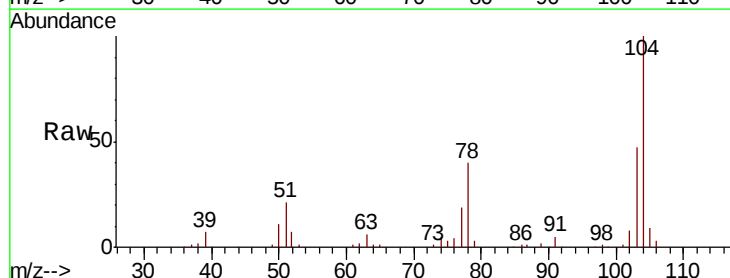


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

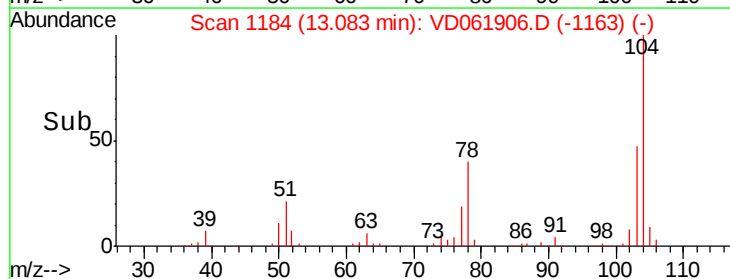
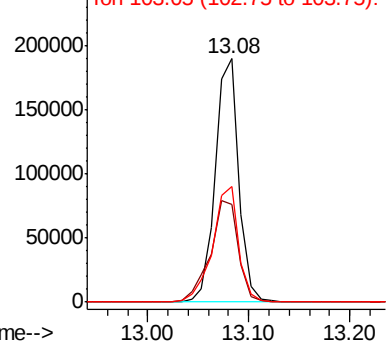


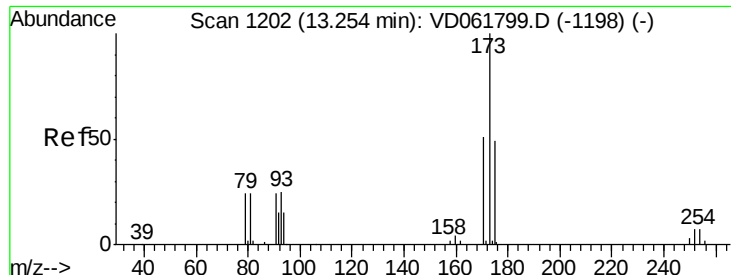
#70
Styrene
Concen: 20.931 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Tgt Ion:104 Resp: 308229
Ion Ratio Lower Upper
104 100
78 40.0 35.4 53.2
103 47.5 37.5 56.3



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

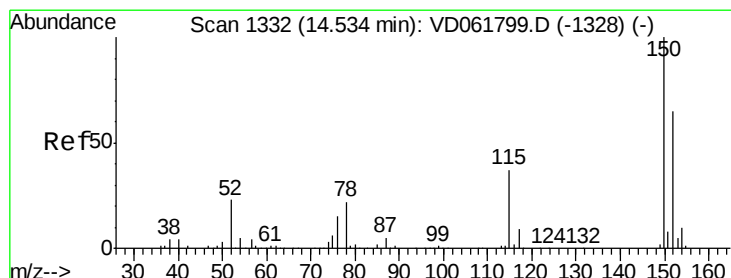
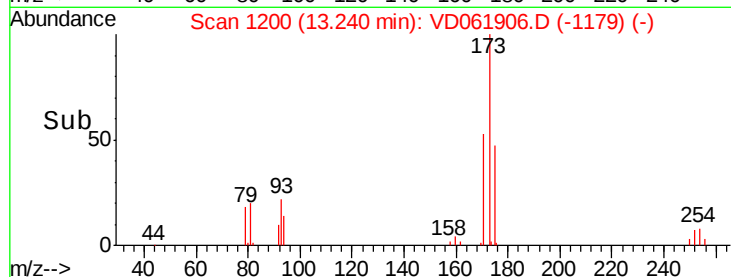
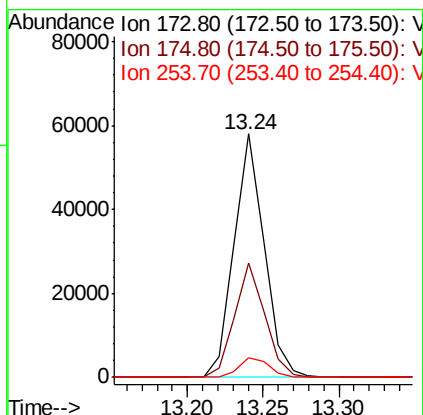
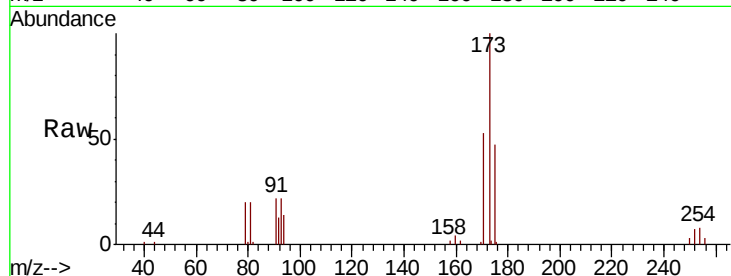




#71
Bromoform
Concen: 21.295 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

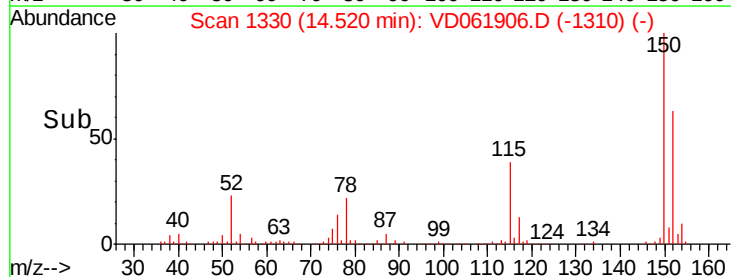
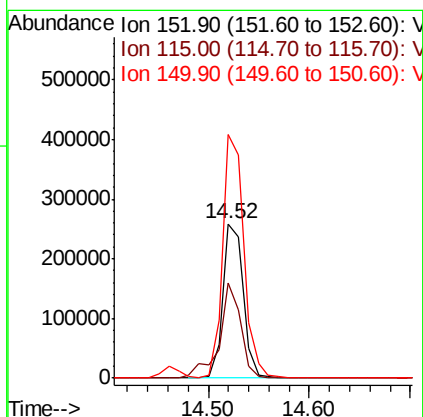
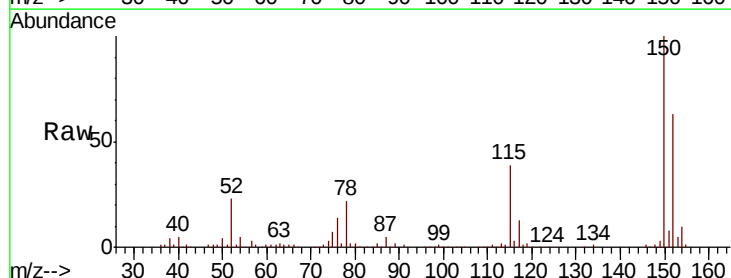
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

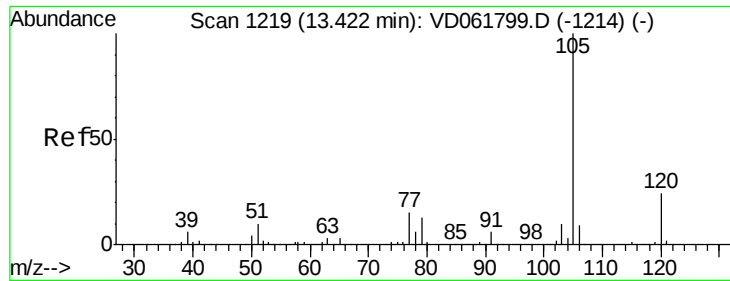
Tgt Ion:173 Resp: 80172
Ion Ratio Lower Upper
173 100
175 47.1 24.4 73.4
254 8.1 5.4 8.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Tgt Ion:152 Resp: 363434
Ion Ratio Lower Upper
152 100
115 61.8 30.9 92.7
150 157.8 0.0 314.8





#73

Isopropylbenzene

Concen: 22.349 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

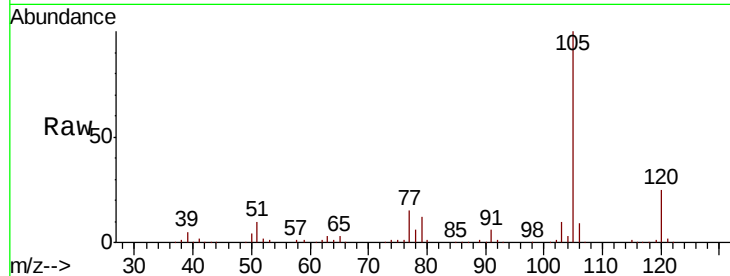
VD0419SBS01

Tgt Ion: 105 Resp: 526761

Ion Ratio Lower Upper

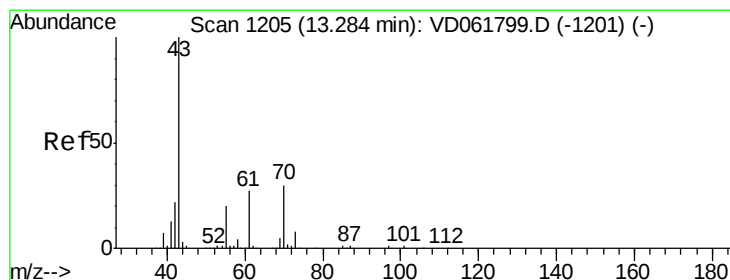
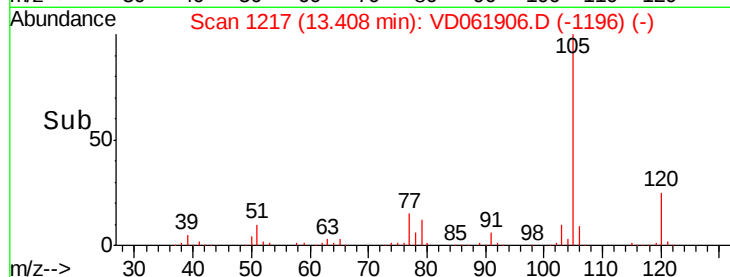
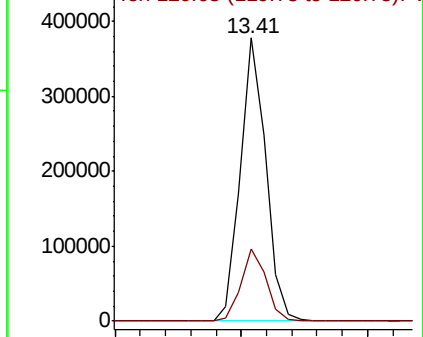
105 100

120 25.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.706 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Tgt Ion: 43 Resp: 131236

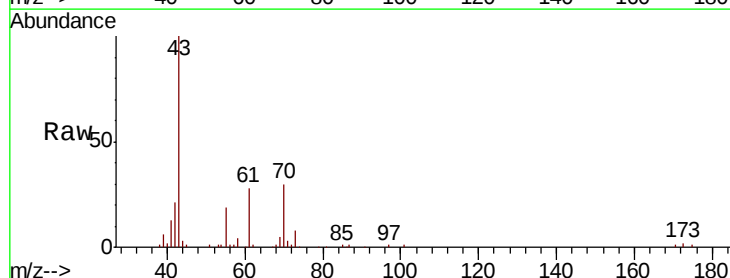
Ion Ratio Lower Upper

43 100

70 30.4 24.2 36.4

55 19.5 16.0 24.0

61 27.9 21.6 32.4

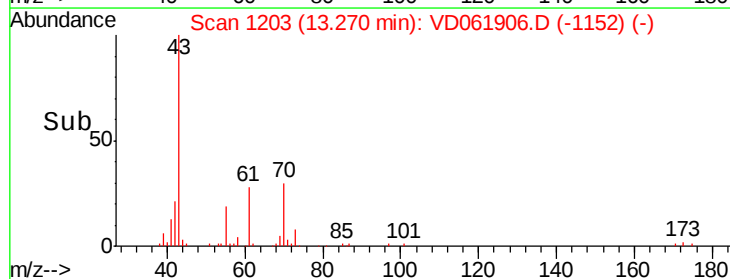
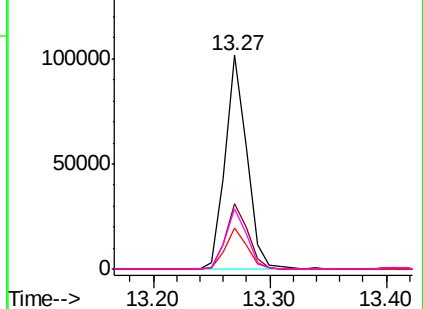


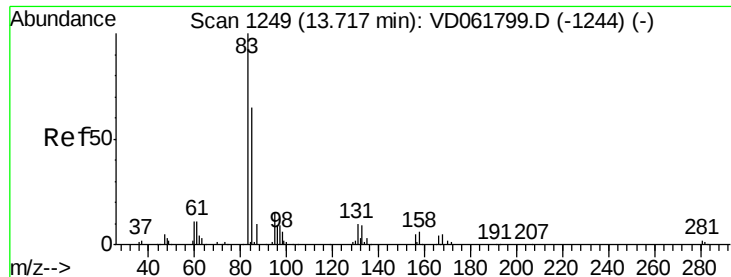
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.222 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

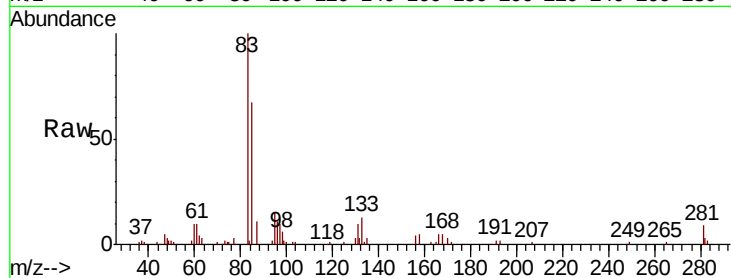
Tgt Ion: 83 Resp: 94216

Ion Ratio Lower Upper

83 100

131 10.4 5.0 14.9

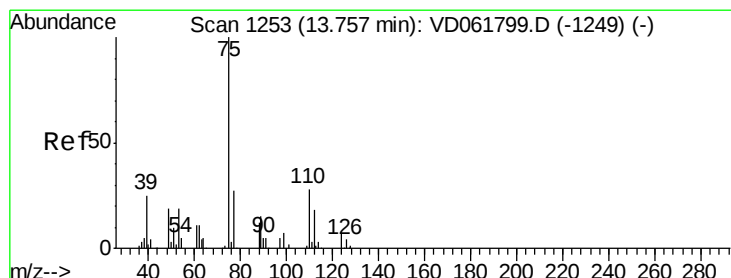
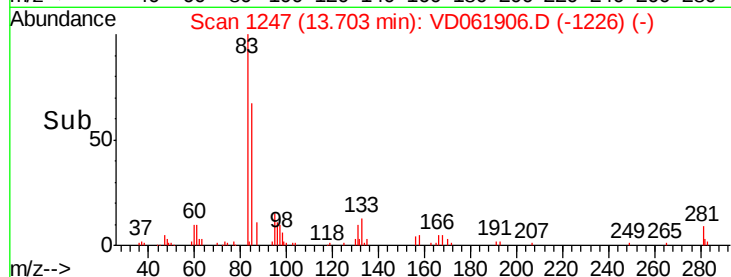
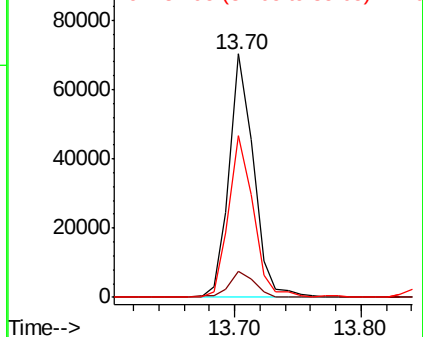
85 66.6 32.6 97.7



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: 21.577 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061906.D

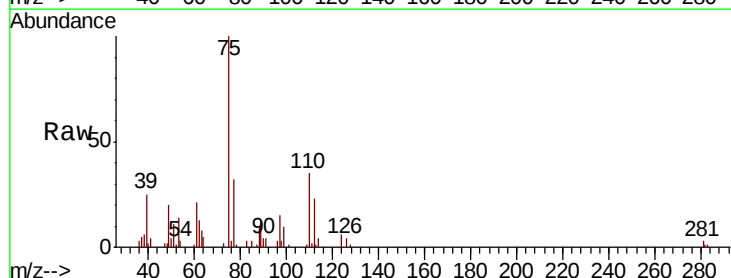
Acq: 19 Apr 2019 13:19

Tgt Ion: 75 Resp: 102983

Ion Ratio Lower Upper

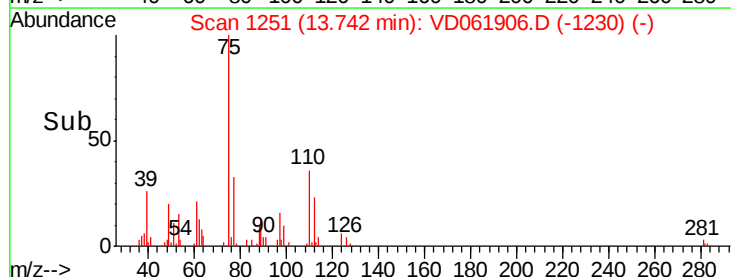
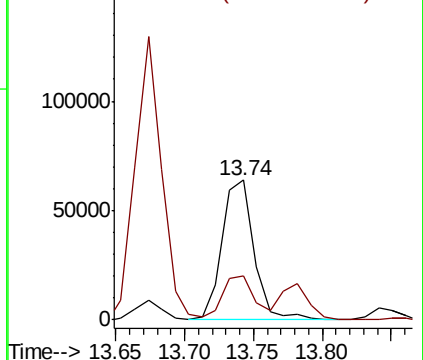
75 100

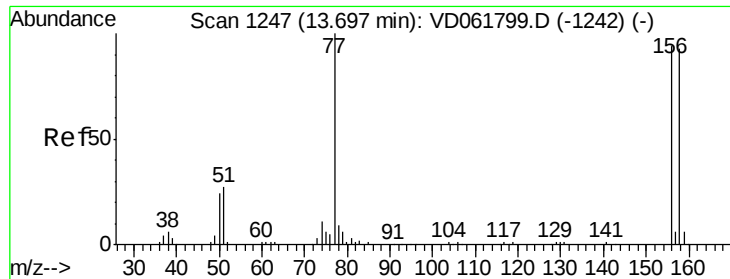
77 31.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.027 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

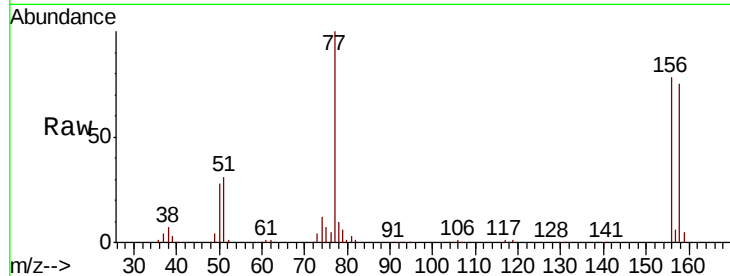
Tgt Ion:156 Resp: 140784

Ion Ratio Lower Upper

156 100

77 128.5 53.1 159.4

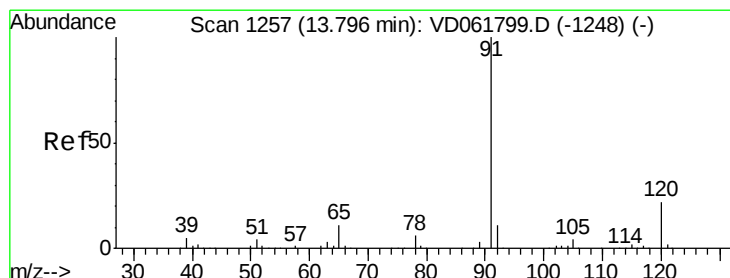
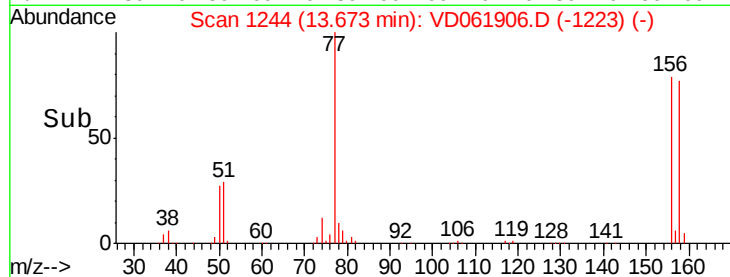
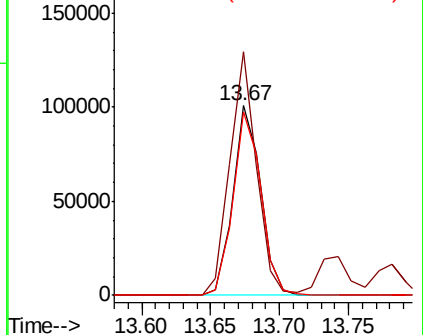
158 97.0 49.4 148.0



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: 22.878 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061906.D

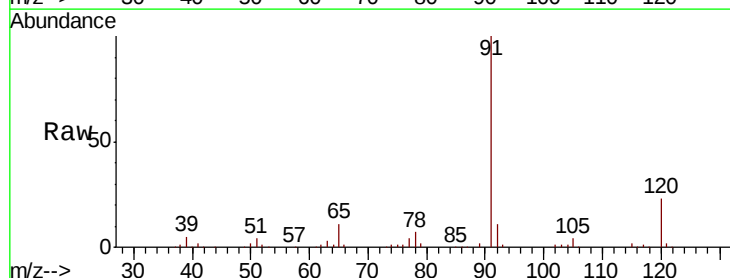
Acq: 19 Apr 2019 13:19

Tgt Ion: 91 Resp: 623008

Ion Ratio Lower Upper

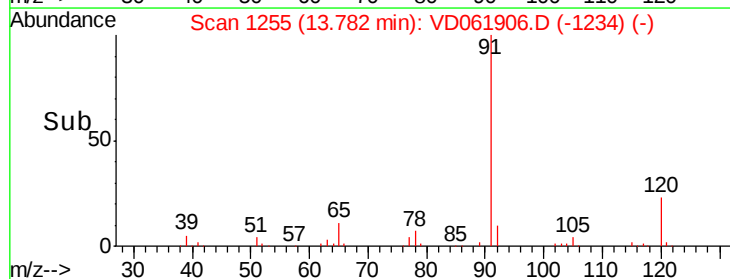
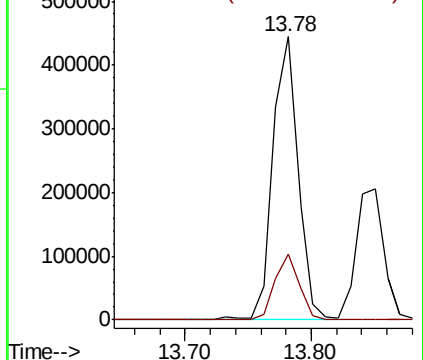
91 100

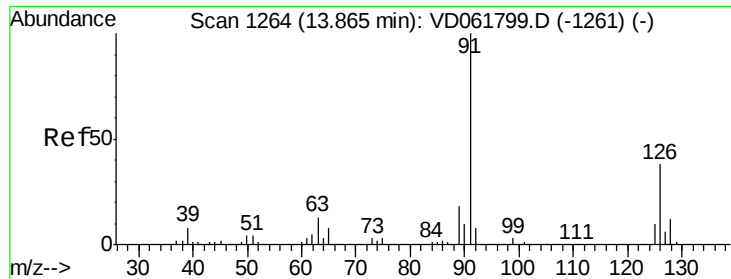
120 23.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

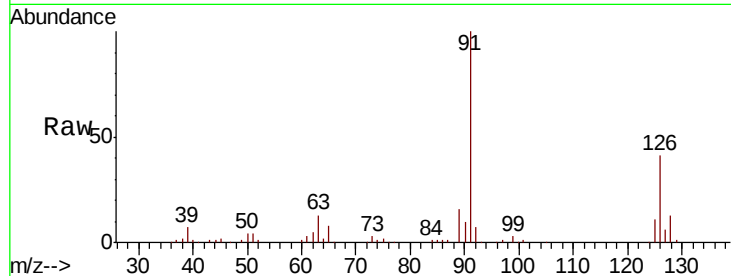




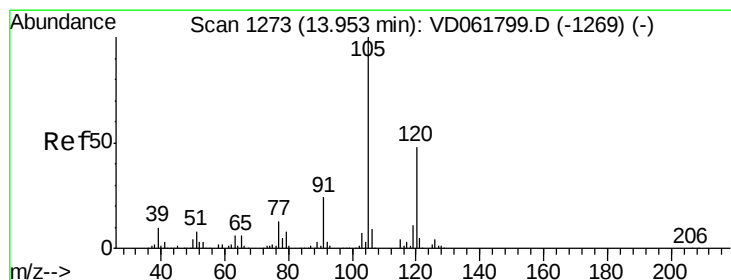
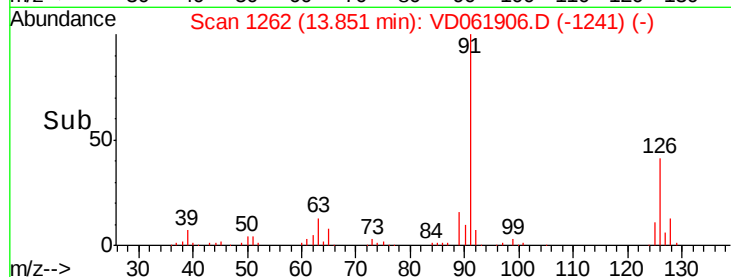
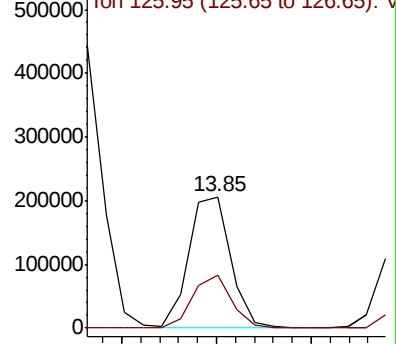
#79
 2-Chlorotoluene
 Concen: 19.688 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

Tgt Ion: 91 Resp: 313196
 Ion Ratio Lower Upper
 91 100
 126 40.6 18.6 55.8

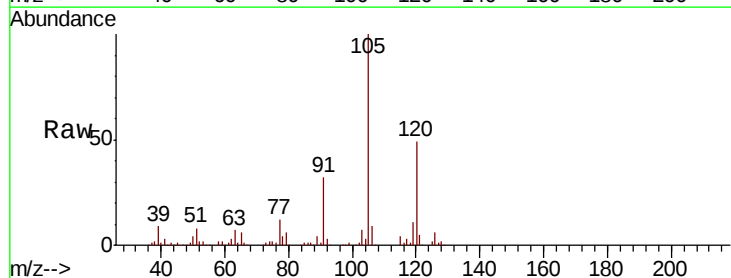


Abundance Ion 91.00 (90.70 to 91.70): VD061799.D (-1261) (-)
 Ion 125.95 (125.65 to 126.65): VD061799.D (-1261) (-)

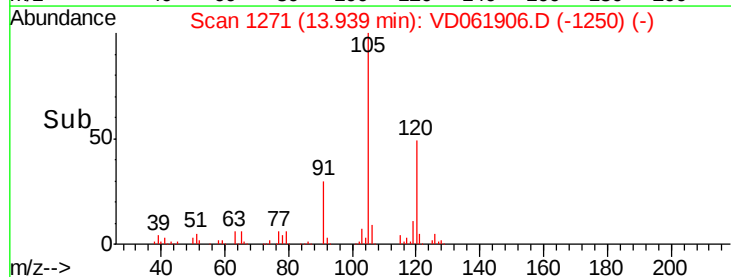
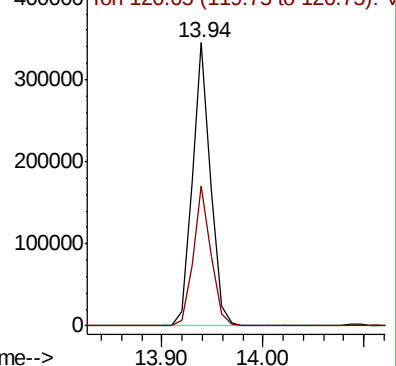


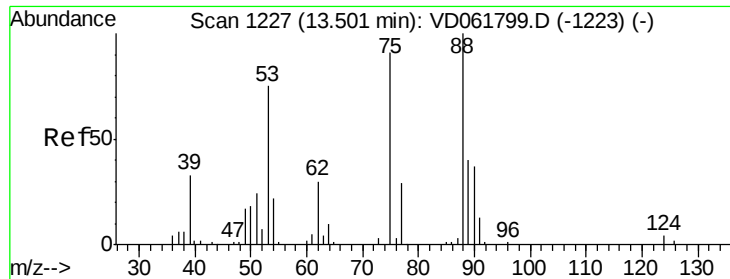
#80
 1,3,5-Trimethylbenzene
 Concen: 23.125 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Tgt Ion: 105 Resp: 432480
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061799.D (-1269) (-)
 Ion 120.05 (119.75 to 120.75): VD061799.D (-1269) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.429 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

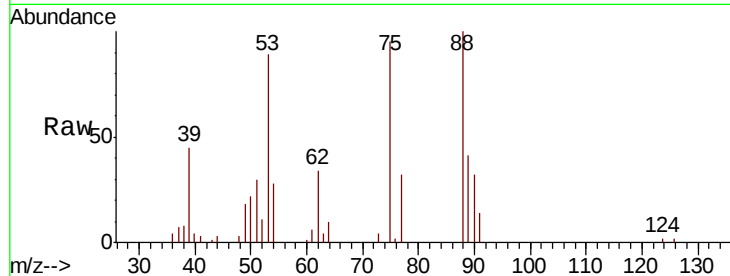
Tgt Ion: 75 Resp: 28347

Ion Ratio Lower Upper

75 100

53 93.4 65.8 98.8

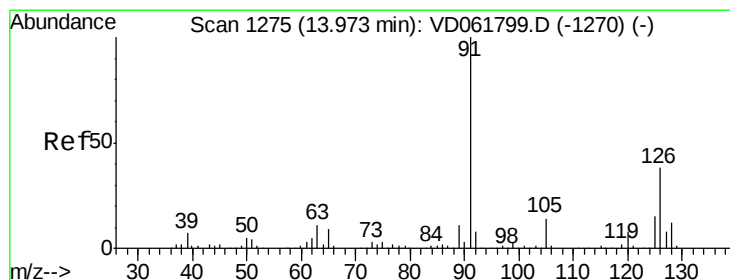
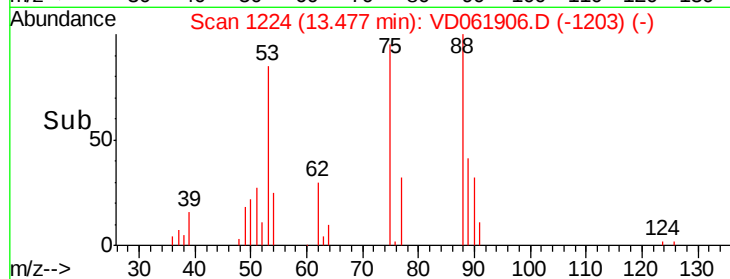
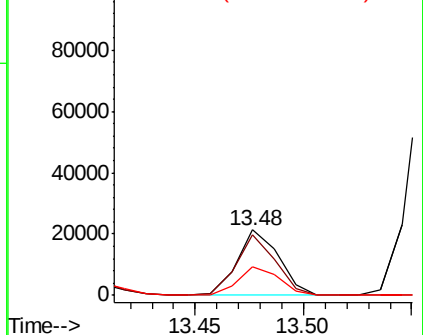
89 43.1 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.589 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061906.D

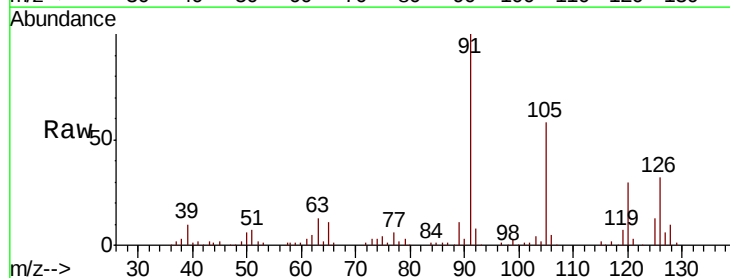
Acq: 19 Apr 2019 13:19

Tgt Ion: 91 Resp: 411310

Ion Ratio Lower Upper

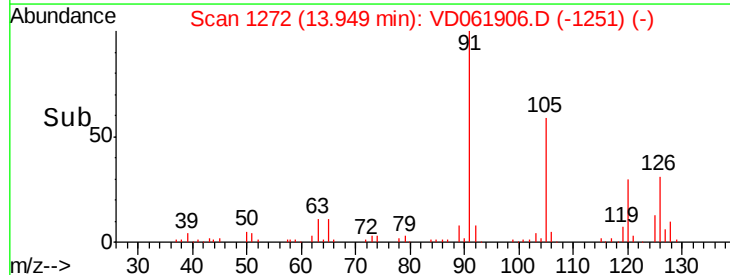
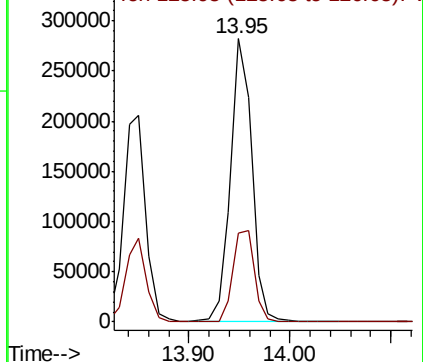
91 100

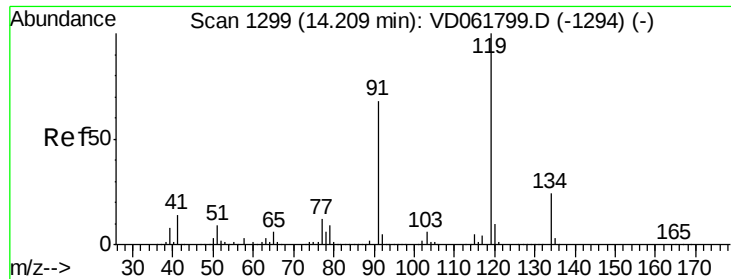
126 31.6 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

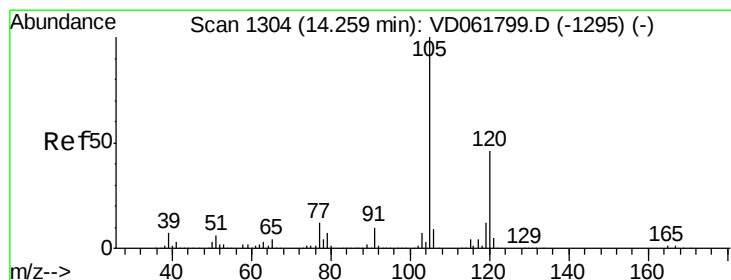
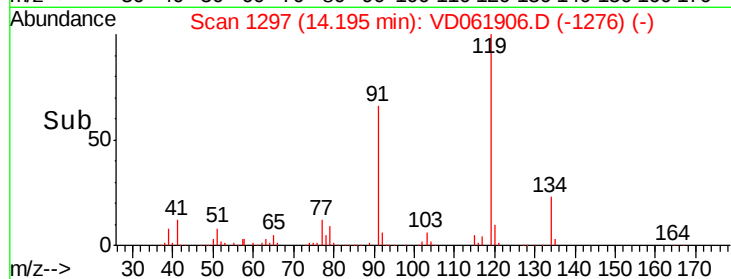
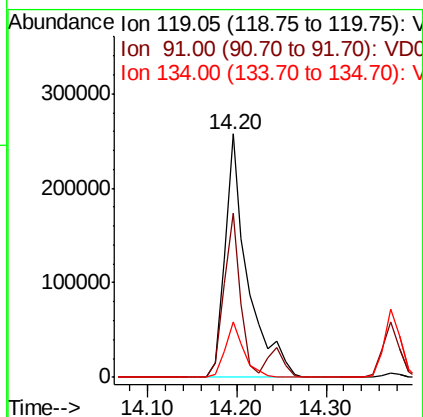
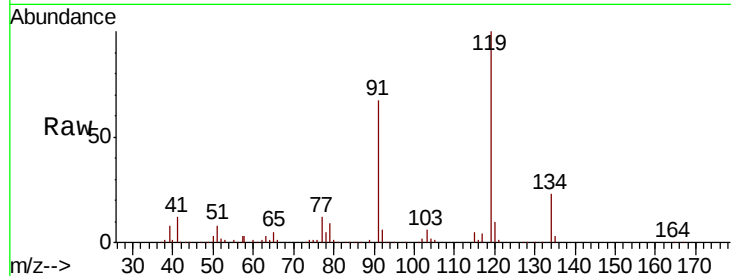




#83
 tert-Butylbenzene
 Concen: 20.946 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

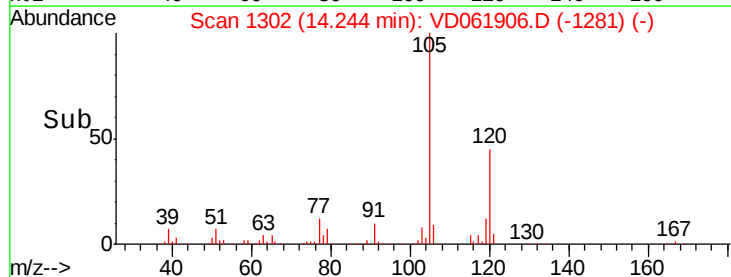
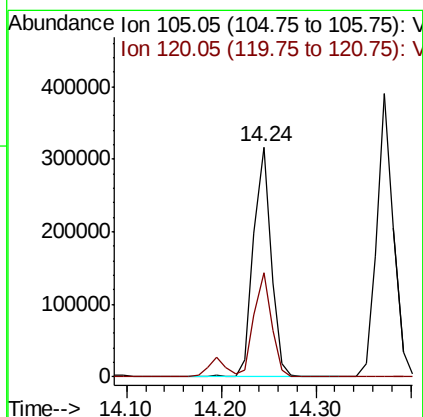
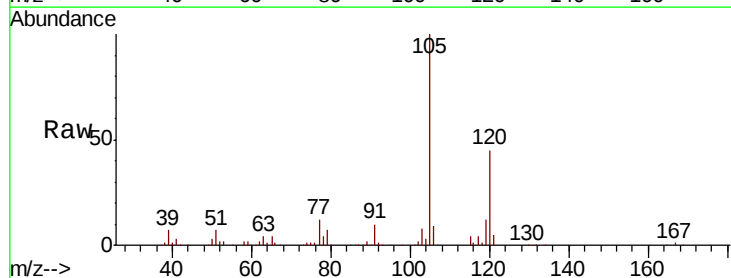
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

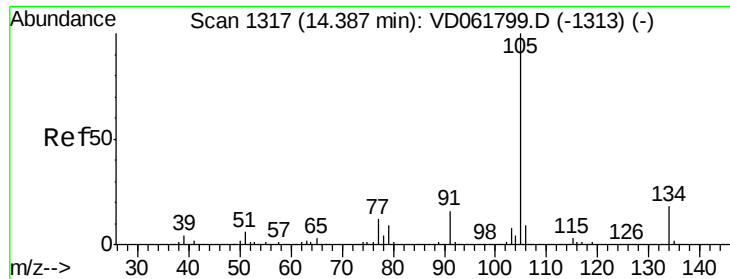
Tgt Ion:119 Resp: 459956
 Ion Ratio Lower Upper
 119 100
 91 67.2 34.2 102.6
 134 23.0 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.860 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Tgt Ion:105 Resp: 410952
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.1 69.2

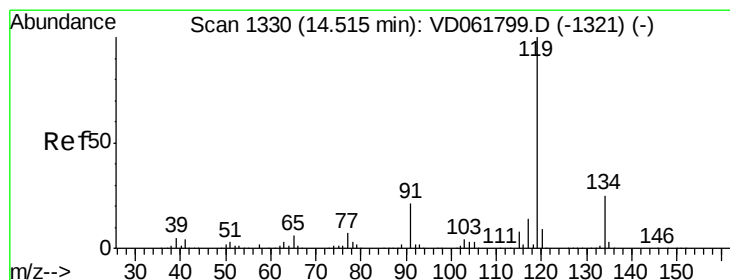
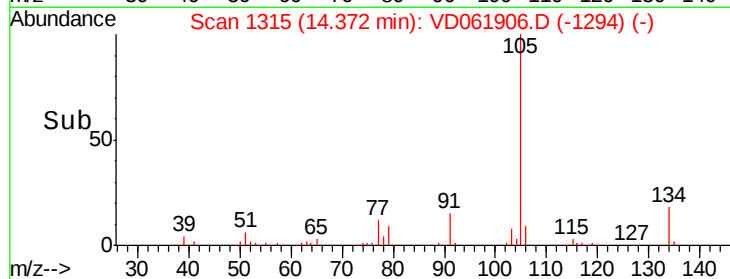
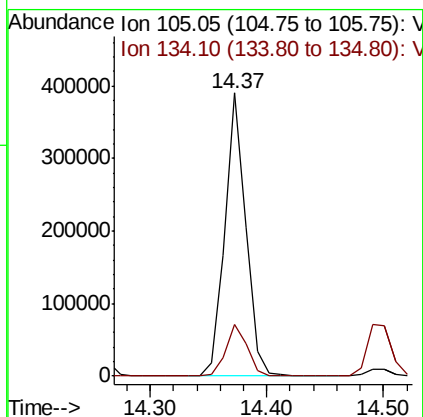
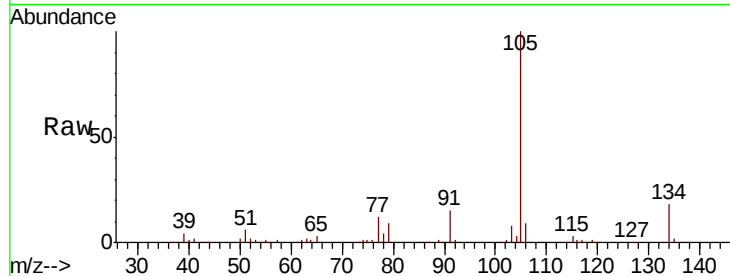




#85
 sec-Butylbenzene
 Concen: 21.509 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

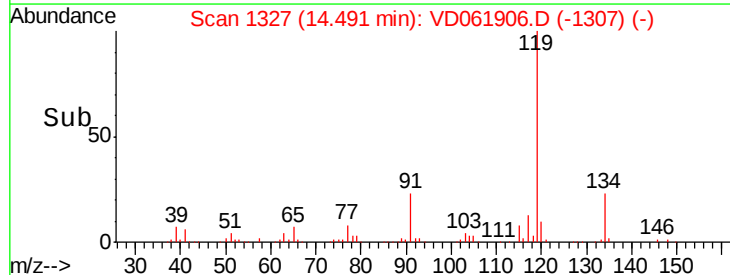
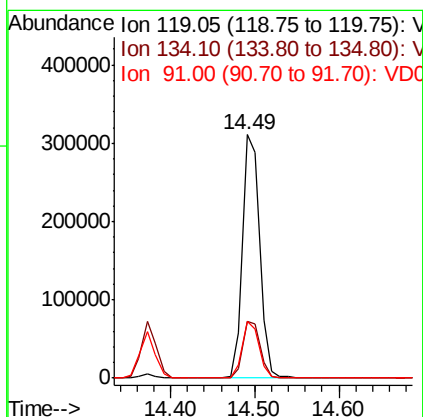
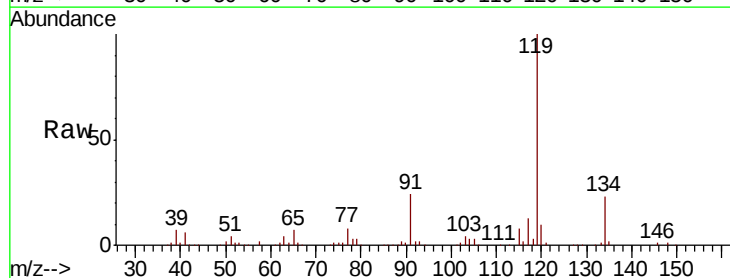
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

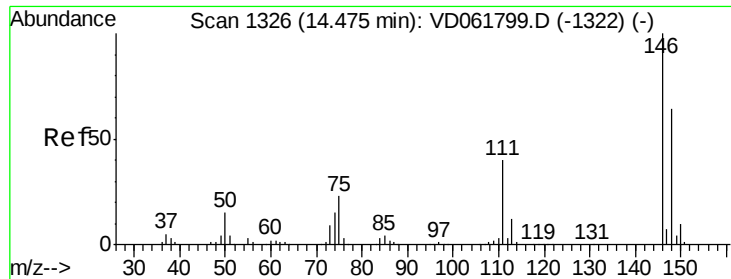
Tgt Ion:105 Resp: 488281
 Ion Ratio Lower Upper
 105 100
 134 18.4 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 20.913 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Tgt Ion:119 Resp: 444197
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.8 38.3
 91 23.6 10.7 32.1

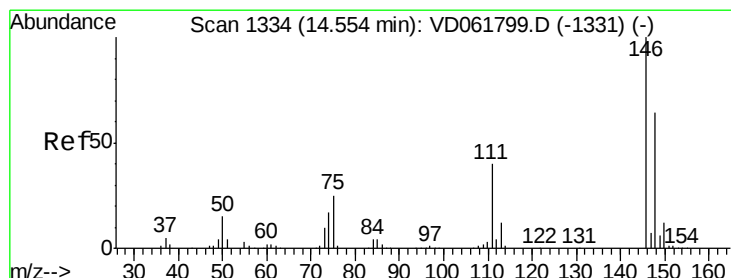
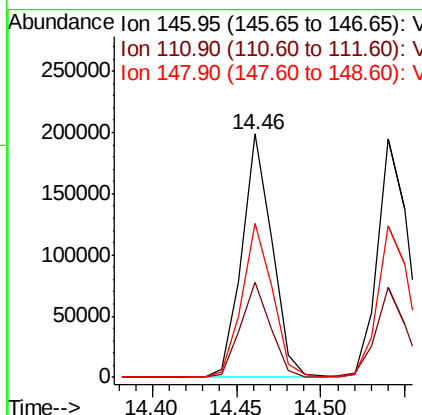
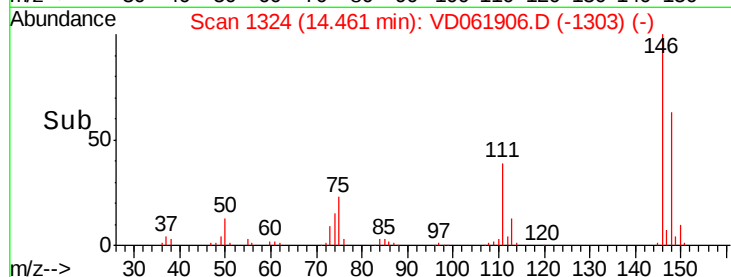
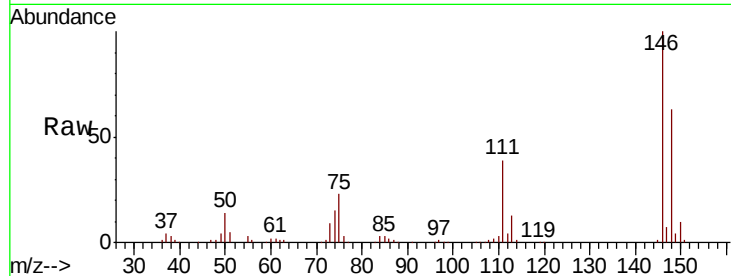




#87
 1,3-Dichlorobenzene
 Concen: 21.136 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

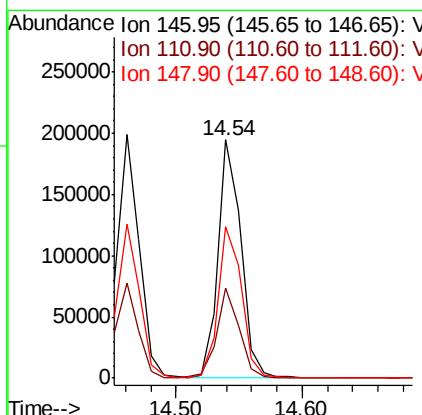
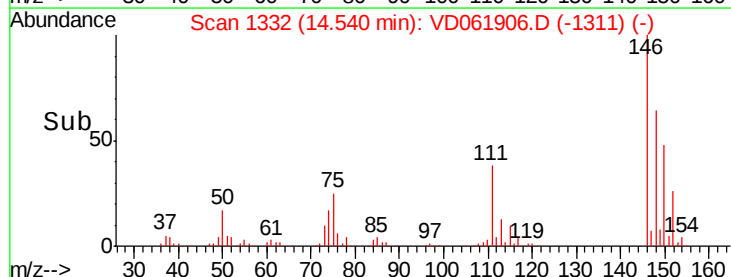
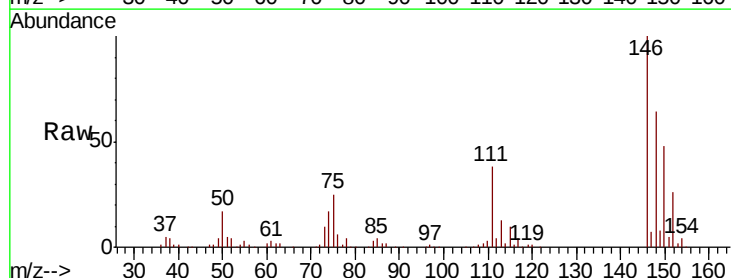
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

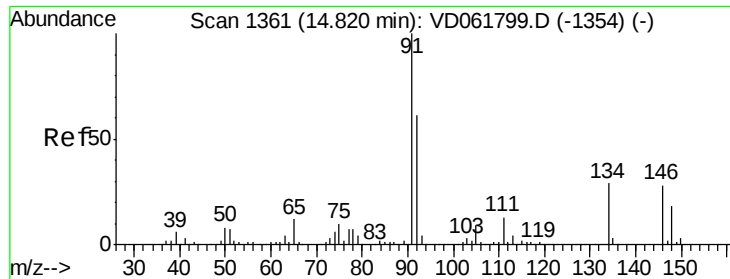
Tgt Ion:146 Resp: 247048
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.0 60.0
 148 63.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.450 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Tgt Ion:146 Resp: 247837
 Ion Ratio Lower Upper
 146 100
 111 37.6 20.2 60.5
 148 63.7 32.0 96.2





#89

n-Butylbenzene

Concen: 22.325 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061906.D

Acq: 19 Apr 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

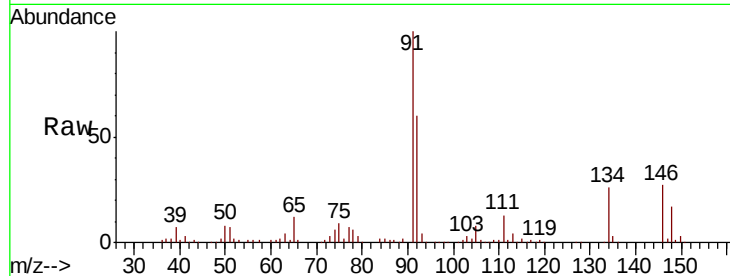
Tgt Ion: 91 Resp: 419742

Ion Ratio Lower Upper

91 100

92 59.7 30.3 91.0

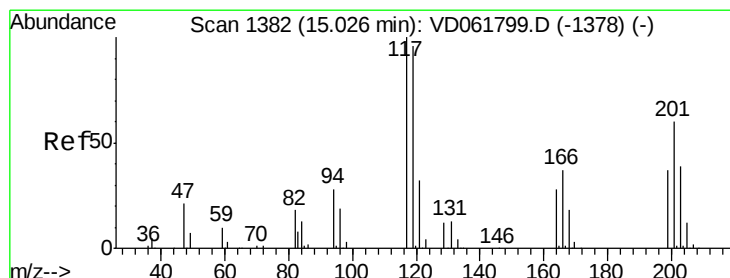
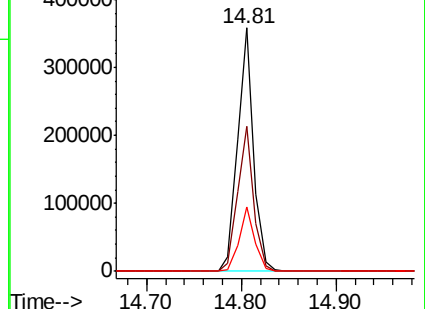
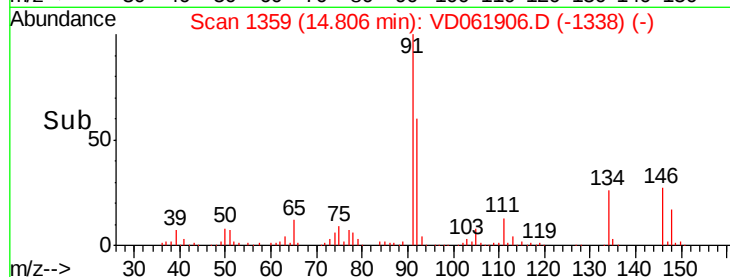
134 26.2 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.518 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD061906.D

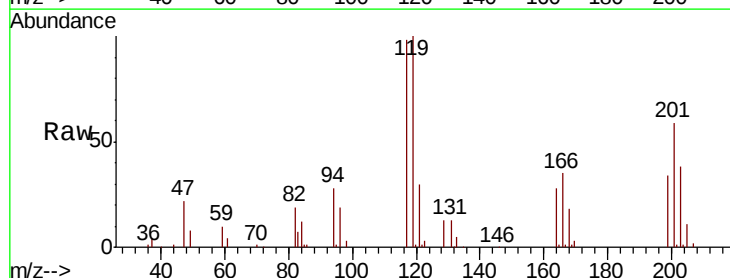
Acq: 19 Apr 2019 13:19

Tgt Ion: 117 Resp: 118781

Ion Ratio Lower Upper

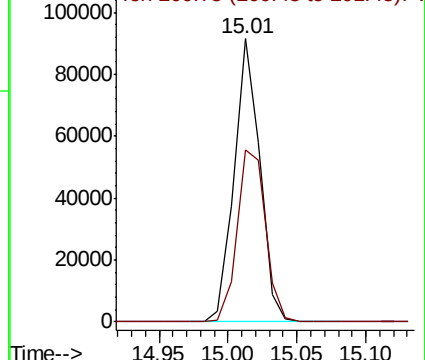
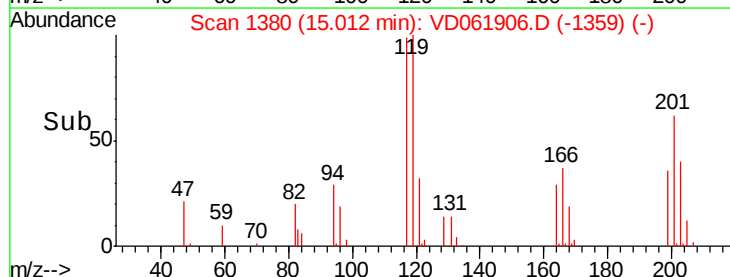
117 100

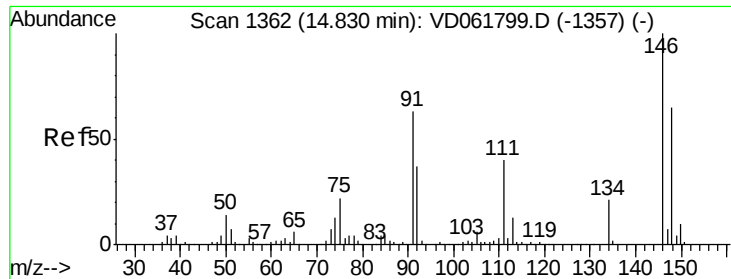
201 60.8 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

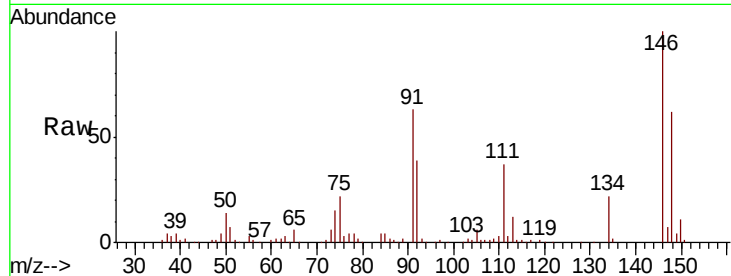




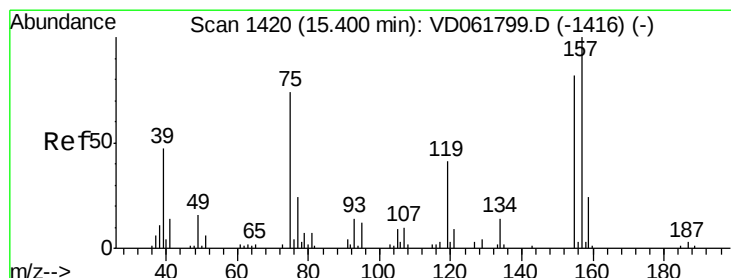
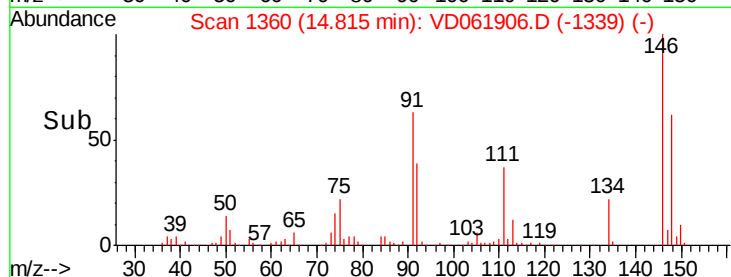
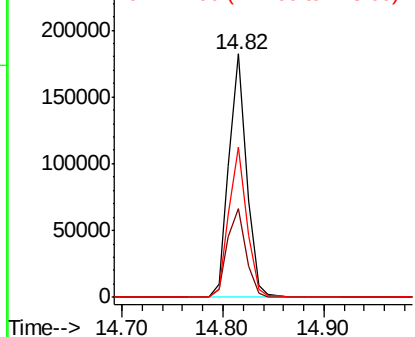
#91
 1,2-Dichlorobenzene
 Concen: 22.730 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

Tgt Ion: 146 Resp: 222546
 Ion Ratio Lower Upper
 146 100
 111 36.7 20.0 59.9
 148 61.8 32.3 96.8

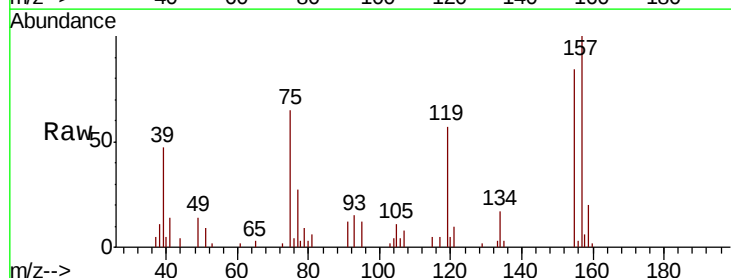


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

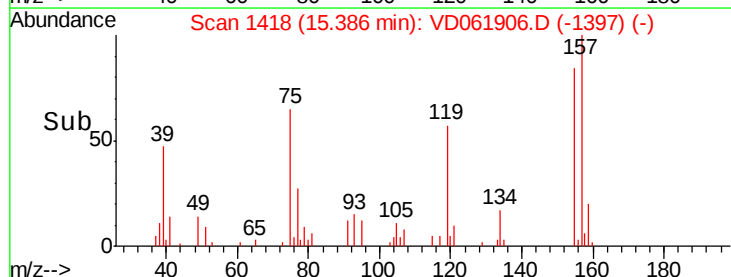
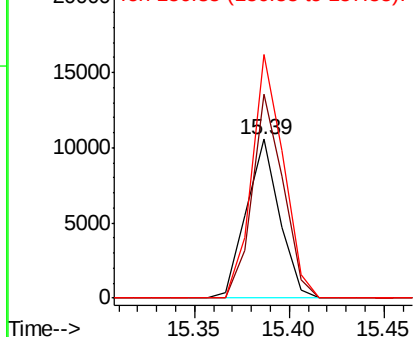


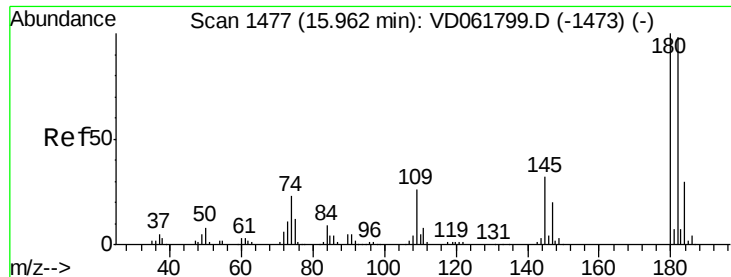
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.628 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Tgt Ion: 75 Resp: 12786
 Ion Ratio Lower Upper
 75 100
 155 128.1 55.3 165.8
 157 153.2 67.8 203.2



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

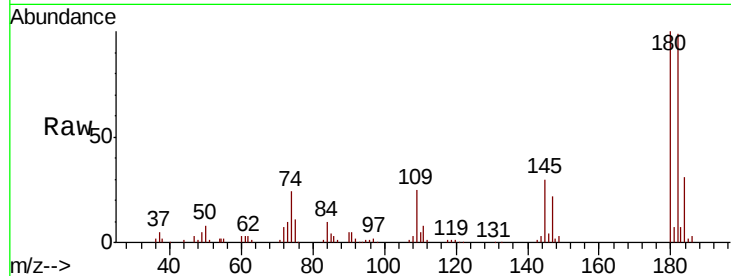




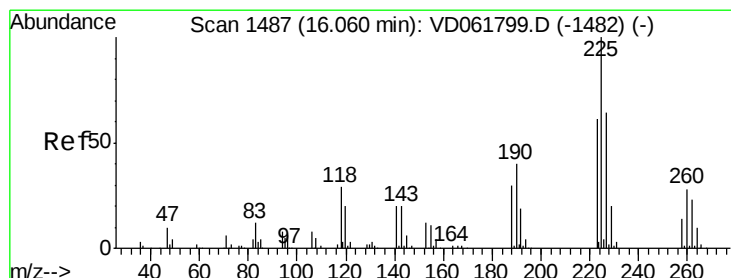
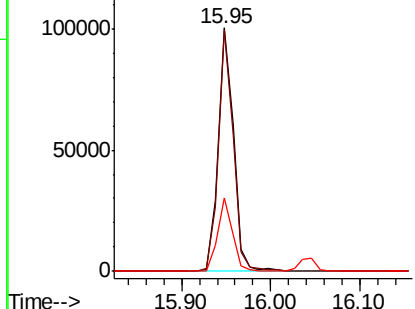
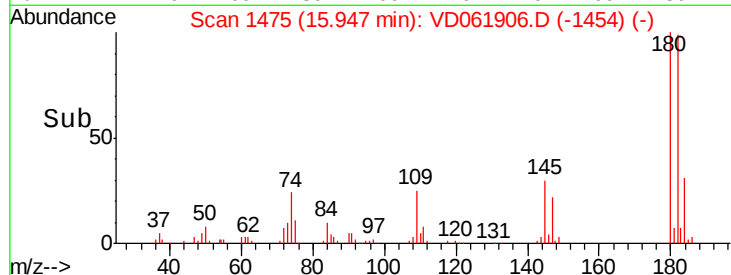
#93
 1,2,4-Trichlorobenzene
 Concen: 22.566 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	49.3	147.8
145	30.1	16.2	48.6

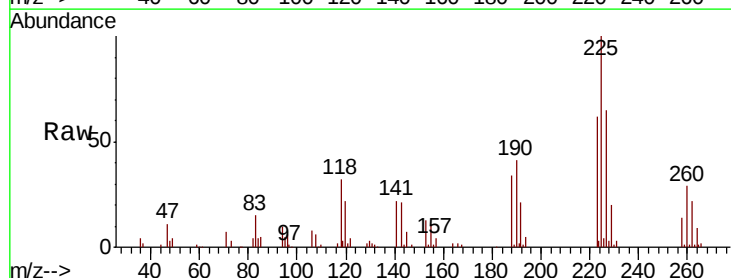


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

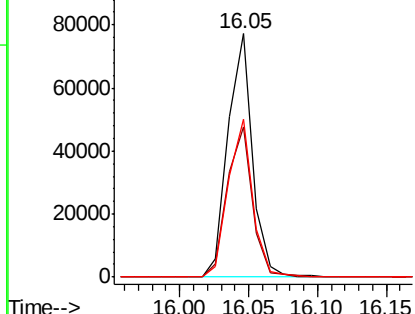
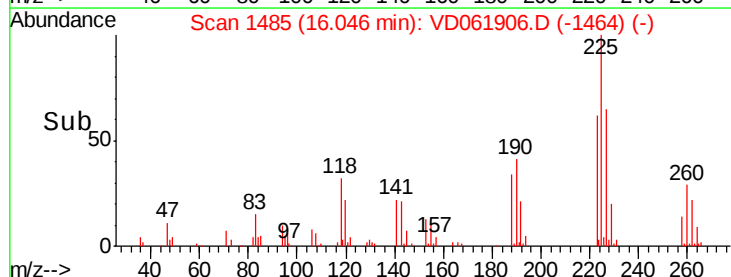


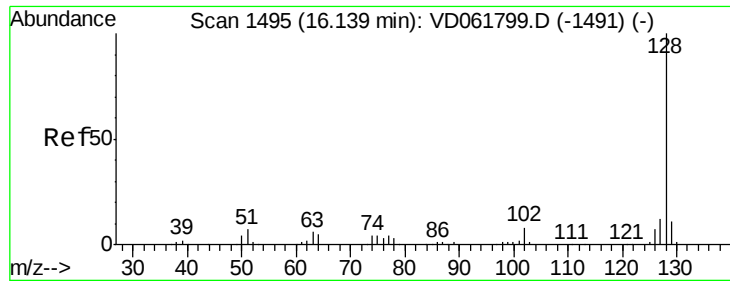
#94
 Hexachlorobutadiene
 Concen: 24.386 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061906.D
 Acq: 19 Apr 2019 13:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.6	92.0
227	64.6	32.0	96.2



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

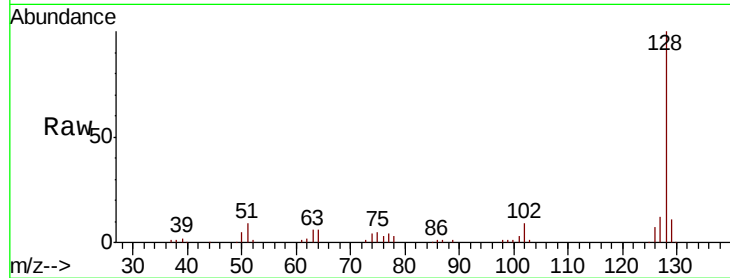




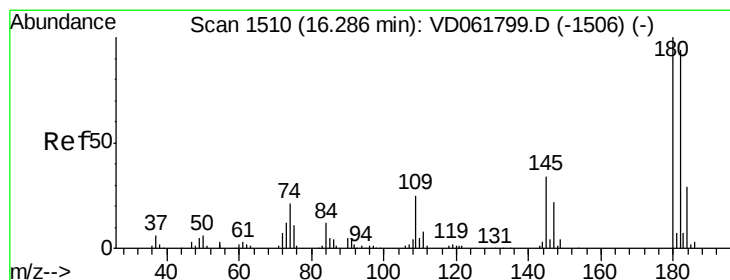
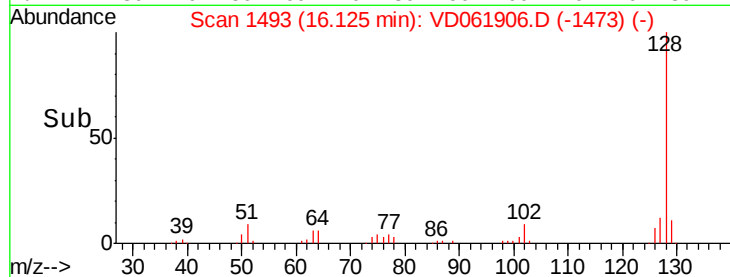
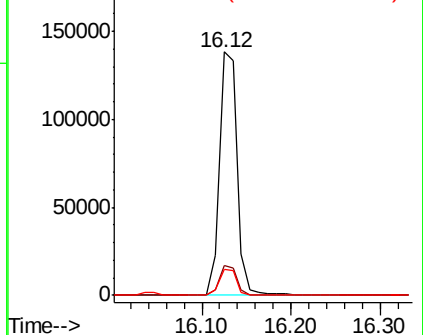
#95
Naphthalene
Concen: 23.536 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

Tgt Ion:128 Resp: 193983
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 10.8 8.8 13.2

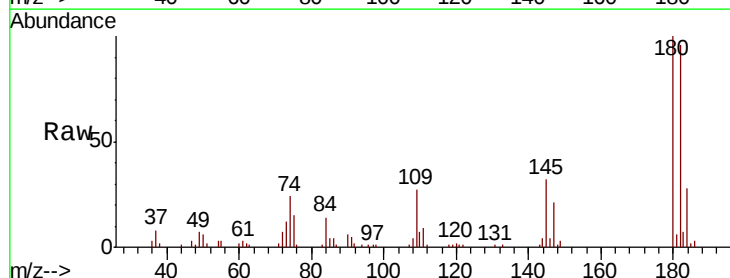


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 26.888 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061906.D
Acq: 19 Apr 2019 13:19

Tgt Ion:180 Resp: 82396
Ion Ratio Lower Upper
180 100
182 96.3 47.0 141.0
145 31.9 17.0 51.0



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

