

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120718\
 Data File : VD060512.D
 Acq On : 7 Dec 2018 12:25
 Operator : VA/AP
 Sample : VD1207SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Quant Time: Dec 08 02:04:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1681306	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	2296113	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1848100	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	934571	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	551192	46.25	ug/l	-0.02
Spiked Amount			Recovery	=	92.50%	
35) Dibromofluoromethane	6.32	113	815400	48.35	ug/l	-0.01
Spiked Amount			Recovery	=	96.70%	
50) Toluene-d8	9.44	98	2398652	49.15	ug/l	-0.02
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.42	95	825538	47.27	ug/l	-0.01
Spiked Amount			Recovery	=	94.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	442783	24.295	ug/l	98
3) Chloromethane	1.77	50	384472	22.257	ug/l	100
4) Vinyl Chloride	1.87	62	306398	22.224	ug/l	98
5) Bromomethane	2.15	94	53890	15.625	ug/l	96
6) Chloroethane	2.26	64	76823	16.170	ug/l	90
7) Trichlorofluoromethane	2.52	101	320155	20.111	ug/l	100
8) Diethyl Ether	2.83	74	55202	20.076	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.10	101	214815	20.797	ug/l	97
10) Methyl Iodide	3.25	142	236099	19.555	ug/l	95
11) Tert butyl alcohol	3.98	59	42950	88.711	ug/l	98
12) 1,1-Dichloroethene	3.08	96	173169	20.606	ug/l	95
13) Acrolein	2.99	56	53106	100.384	ug/l	92
14) Allyl chloride	3.53	41	331223	20.774	ug/l	97
15) Acrylonitrile	4.08	53	278910	101.456	ug/l	95
16) Acetone	3.16	43	184534	96.604	ug/l	98
17) Carbon Disulfide	3.32	76	562957	20.623	ug/l	99
18) Methyl Acetate	3.56	43	88690	19.536	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	472811	20.288	ug/l	97
20) Methylene Chloride	3.72	84	386965	19.318	ug/l	95
21) trans-1,2-Dichloroethene	4.09	96	378888	20.727	ug/l	97
22) Diisopropyl ether	4.85	45	1165221	20.355	ug/l	98
23) Vinyl Acetate	4.80	43	2881849	101.606	ug/l	99
24) 1,1-Dichloroethane	4.75	63	601408	20.222	ug/l	99
25) 2-Butanone	5.61	43	363555	96.738	ug/l	98
26) 2,2-Dichloropropane	5.58	77	470795	20.492	ug/l	97
27) cis-1,2-Dichloroethene	5.59	96	369710	19.891	ug/l	100
28) Bromochloromethane	5.91	49	251947	19.124	ug/l	91
29) Tetrahydrofuran	5.94	42	213756	100.442	ug/l	99
30) Chloroform	6.09	83	601283	20.069	ug/l	98
31) Cyclohexane	6.36	56	579689	20.537	ug/l	96
32) 1,1,1-Trichloroethane	6.28	97	505155	20.509	ug/l	99
36) 1,1-Dichloropropene	6.51	75	474266	21.131	ug/l	99
37) Ethyl Acetate	5.69	43	195775	20.113	ug/l	98
38) Carbon Tetrachloride	6.48	117	428144	21.249	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	541980	21.183	ug/l	99
40) Benzene	6.78	78	1178161	20.540	ug/l	100
41) Methacrylonitrile	5.94	41	230596	43.947	ug/l #	66
42) 1,2-Dichloroethane	6.88	62	293463	20.122	ug/l	99
43) Isopropyl Acetate	8.33	43	246669	20.529	ug/l #	100
44) Trichloroethene	7.72	130	365795	21.339	ug/l	100
45) 1,2-Dichloropropane	8.09	63	294642	20.769	ug/l	96
46) Dibromomethane	8.21	93	164596	20.081	ug/l	97
47) Bromodichloromethane	8.48	83	400533	20.595	ug/l	98
48) Methyl methacrylate	8.24	41	152150	21.401	ug/l	96
49) 1,4-Dioxane	8.22	88	26477	410.907	ug/l	93
51) 4-Methyl-2-Pentanone	9.33	43	767900	102.741	ug/l	97
52) Toluene	9.54	92	742903	20.722	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	325429	20.364	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	428787	20.422	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	200931	20.125	ug/l	98
56) Ethyl methacrylate	10.02	69	188870	20.903	ug/l	97
57) 1,3-Dichloropropane	10.37	76	318577	20.641	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.91	63	559391	103.467	ug/l	96
59) 2-Hexanone	10.47	43	527835	101.035	ug/l	97
60) Dibromochloromethane	10.63	129	257589	20.636	ug/l	99
61) 1,2-Dibromoethane	10.75	107	212278	20.863	ug/l	98
64) Tetrachloroethene	10.23	164	322024	19.678	ug/l	96
65) Chlorobenzene	11.30	112	818672	20.939	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	262763	20.851	ug/l	96
67) Ethyl Benzene	11.41	91	1436877	21.546	ug/l	97
68) m/p-Xylenes	11.55	106	1053877	42.716	ug/l	96
69) o-Xylene	11.93	106	492038	20.927	ug/l	94
70) Styrene	11.95	104	783035	20.748	ug/l	99
71) Bromoform	12.10	173	162784	19.362	ug/l	99
73) Isopropylbenzene	12.26	105	1360827	20.577	ug/l	99
74) N-amyl acetate	12.12	43	312340	19.542	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	209215	19.761	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	202696	19.142	ug/l	98
77) Bromobenzene	12.53	156	344767	19.833	ug/l	94
78) n-propylbenzene	12.63	91	1720470	20.580	ug/l	97
79) 2-Chlorotoluene	12.69	91	942012	20.766	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	1095412	21.677	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	56375	19.088	ug/l	96
82) 4-Chlorotoluene	12.80	91	1089025	21.374	ug/l	99
83) tert-Butylbenzene	13.04	119	1205336	21.273	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1106122	21.139	ug/l	98
85) sec-Butylbenzene	13.22	105	1420151	20.110	ug/l	96
86) p-Isopropyltoluene	13.33	119	1164532	20.802	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	639780	20.327	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	620339	20.091	ug/l	98
89) n-Butylbenzene	13.64	91	1259427	20.217	ug/l	99
90) Hexachloroethane	13.85	117	288901	20.583	ug/l	84
91) 1,2-Dichlorobenzene	13.65	146	531702	20.671	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	25693	20.028	ug/l	67

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

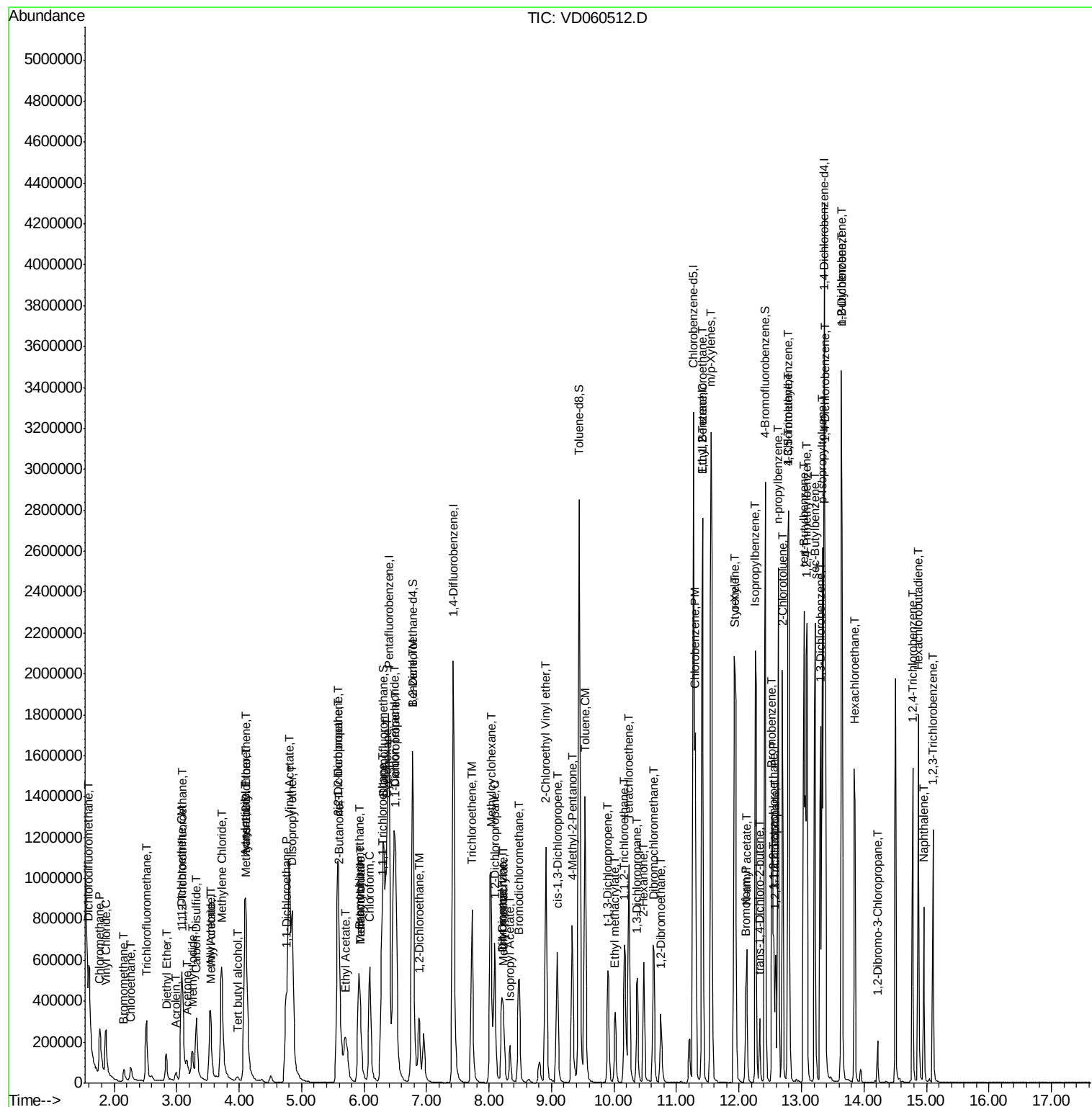
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	399362	19.861	ug/l	96
94) Hexachlorobutadiene	14.87	225	303833	20.480	ug/l	97
95) Naphthalene	14.96	128	474505	19.836	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	319364	19.933	ug/l	98

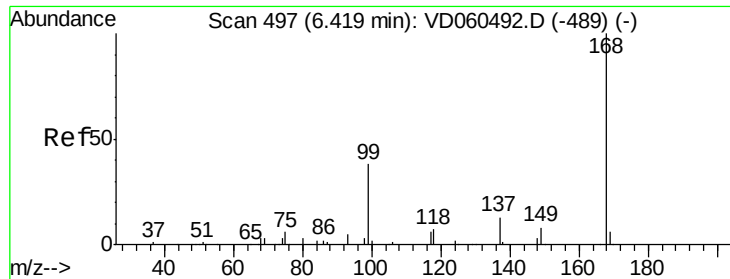
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

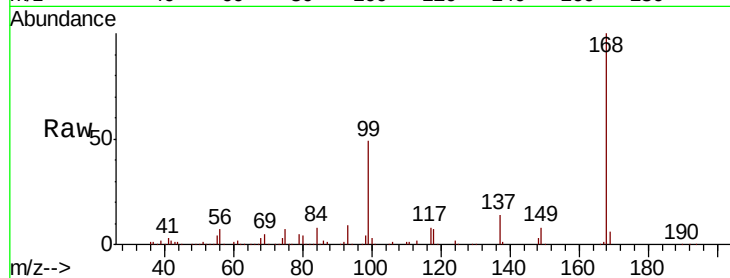
VD1207SBS01

Tot Ion:168 Resp: 1681306

Ion Ratio Lower Upper

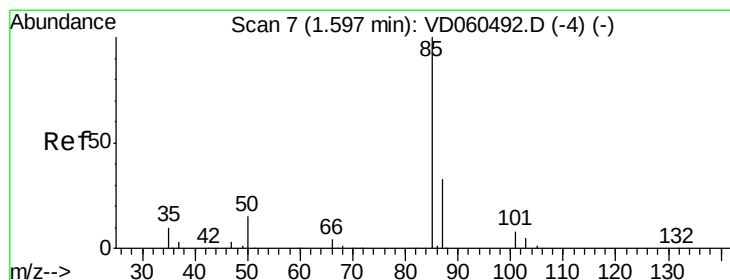
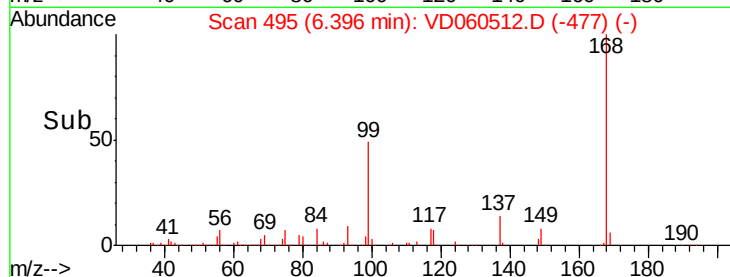
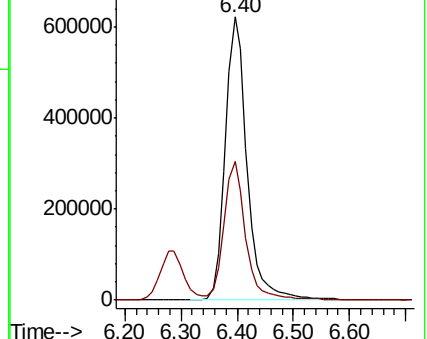
168 100

99 48.9 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 24.295 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060512.D

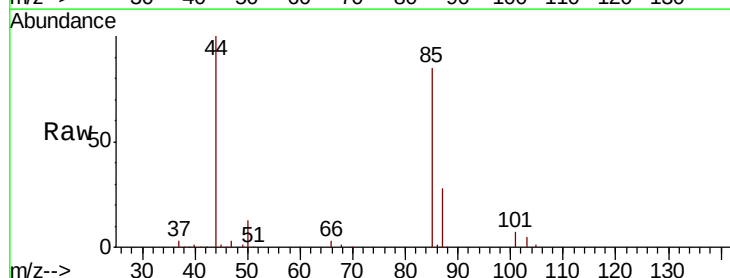
Acq: 7 Dec 2018 12:25

Tgt Ion: 85 Resp: 442783

Ion Ratio Lower Upper

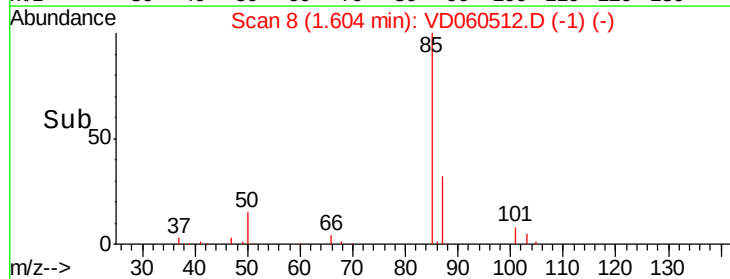
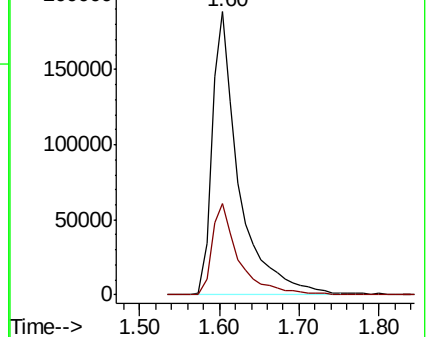
85 100

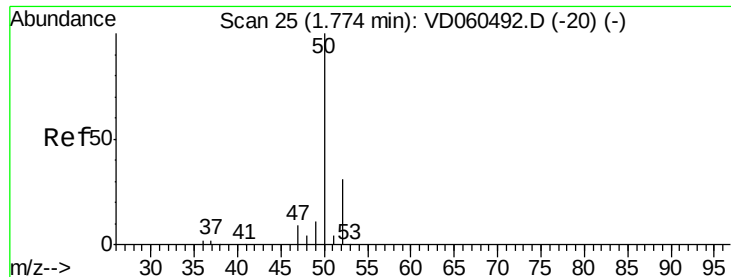
87 32.4 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.257 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.00 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

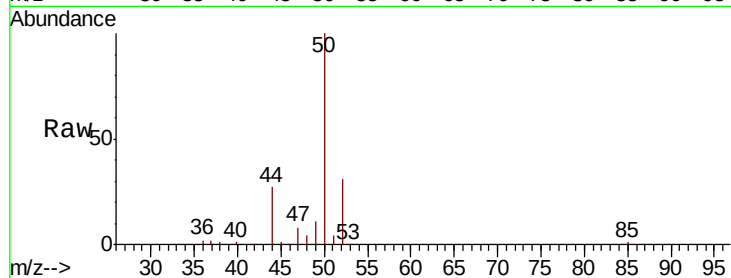
VD1207SBS01

Tot Ion: 50 Resp: 384472

Ion Ratio Lower Upper

50 100

52 31.2 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

150000

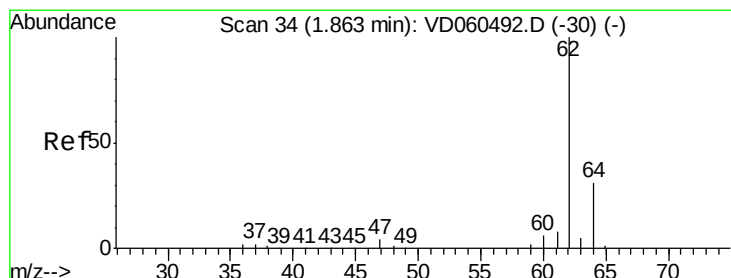
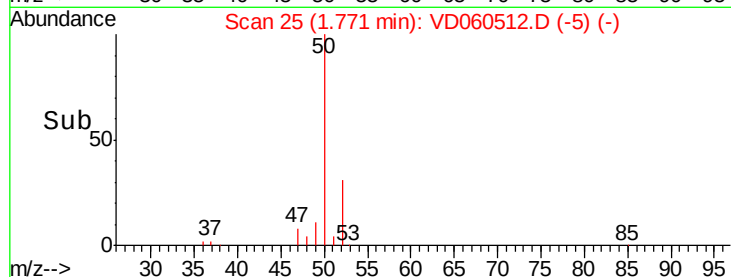
100000

50000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 22.224 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060512.D

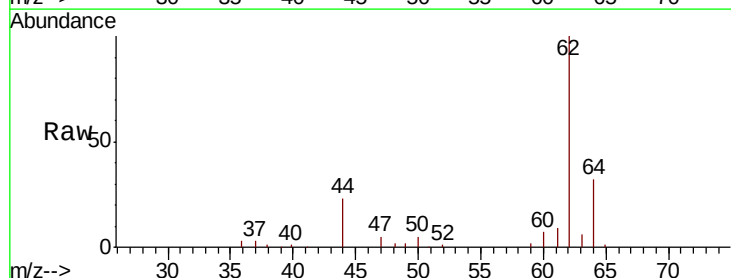
Acq: 7 Dec 2018 12:25

Tgt Ion: 62 Resp: 306398

Ion Ratio Lower Upper

62 100

64 31.8 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

150000

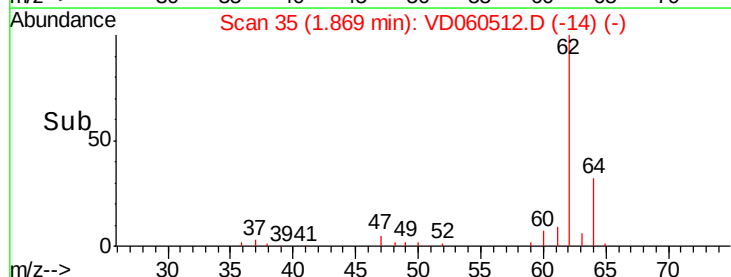
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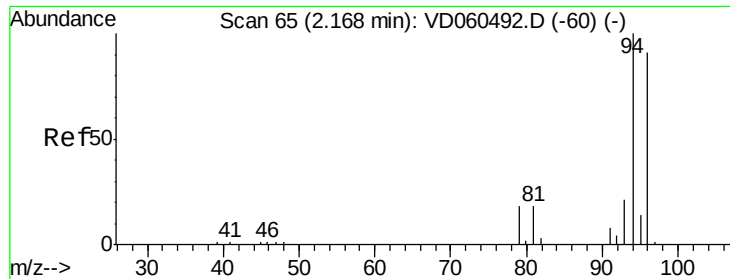
50000

0

1.80 1.90 2.00

Time-->

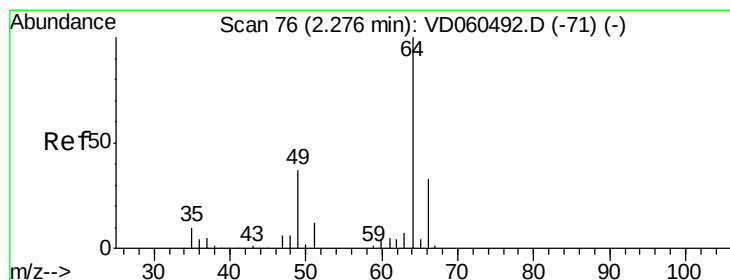
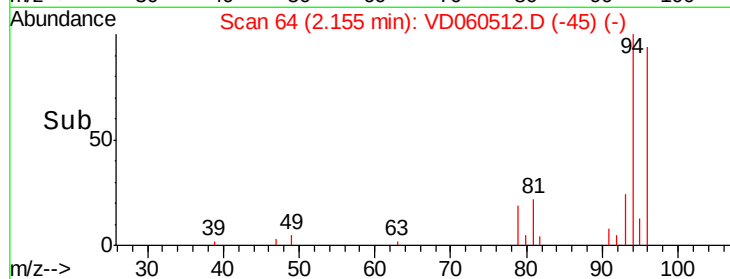
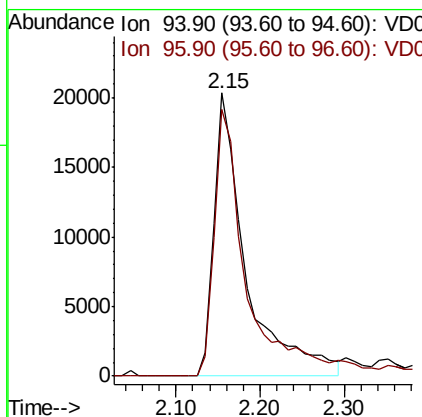
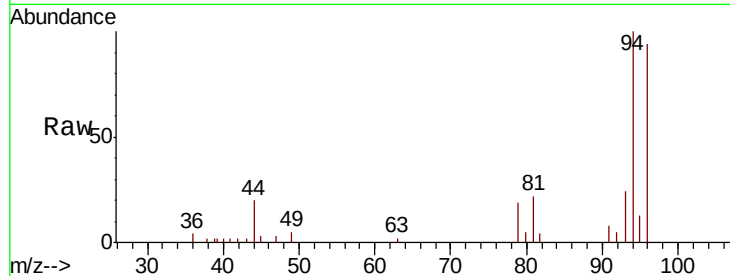




#5
Bromomethane
Concen: 15.625 ug/l
RT: 2.15 min Scan# 64
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

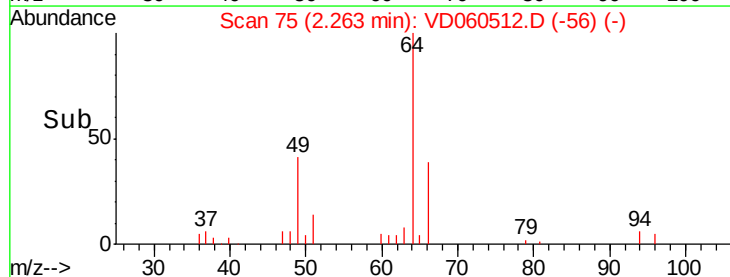
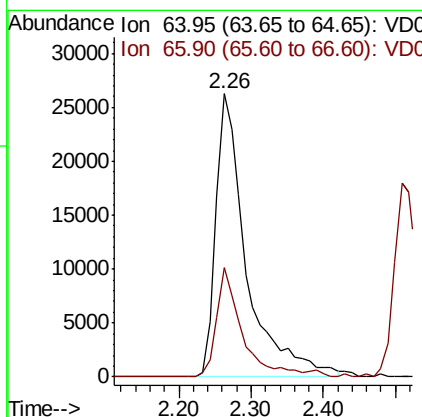
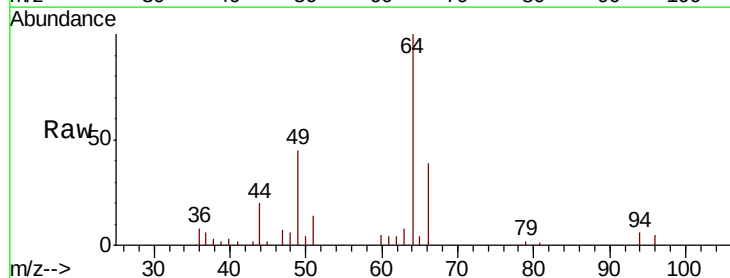
Instrument :
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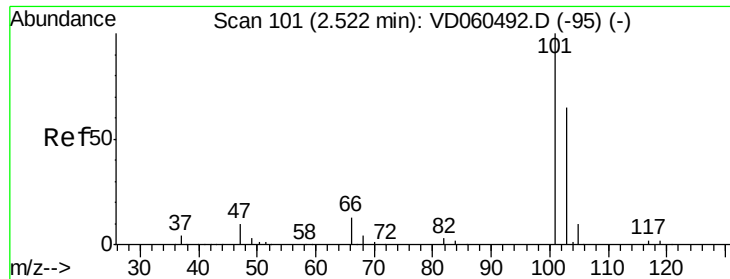
Tot Ion: 94 Resp: 53890
Ion Ratio Lower Upper
94 100
96 94.1 72.6 108.8



#6
Chloroethane
Concen: 16.170 ug/l
RT: 2.26 min Scan# 75
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion: 64 Resp: 76823
Ion Ratio Lower Upper
64 100
66 38.7 26.4 39.6



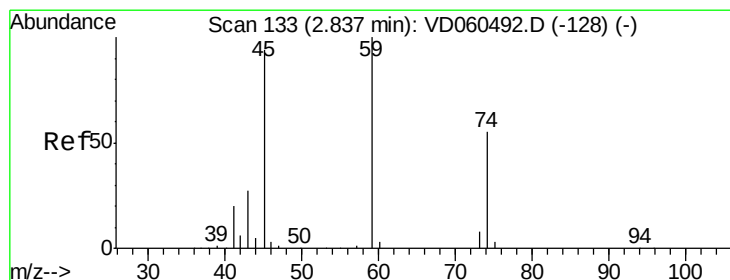
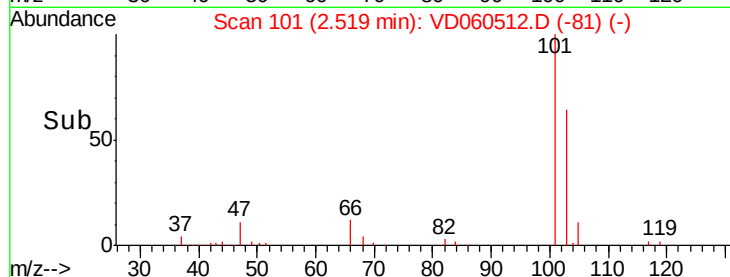
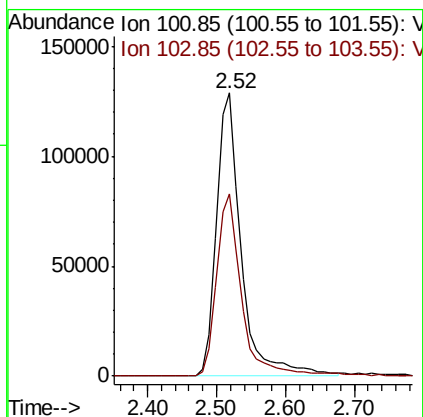
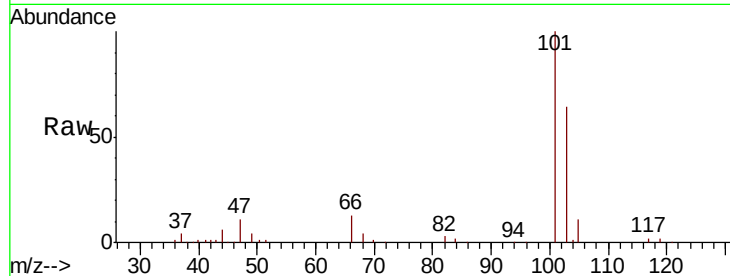


#7

Trichlorofluoromethane
 Concen: 20.111 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBSD01

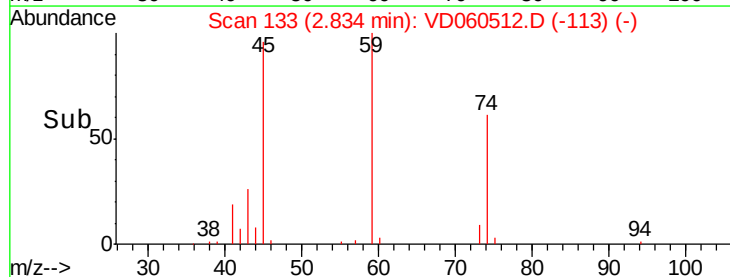
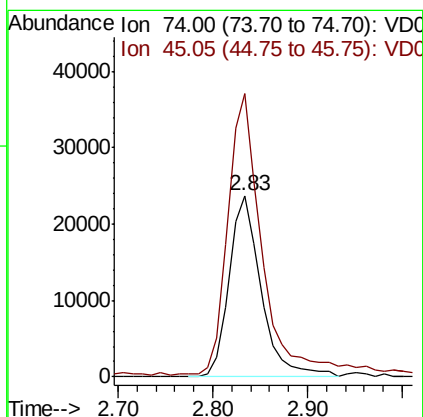
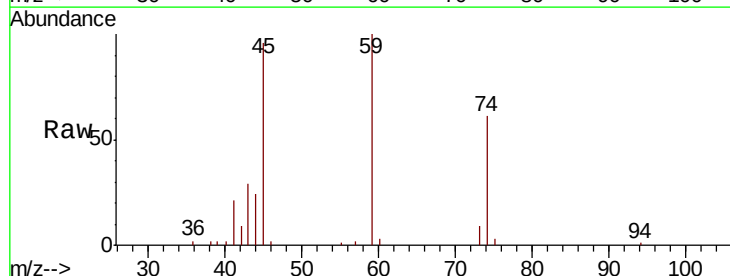
Tot Ion:101 Resp: 320155
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.8 77.8

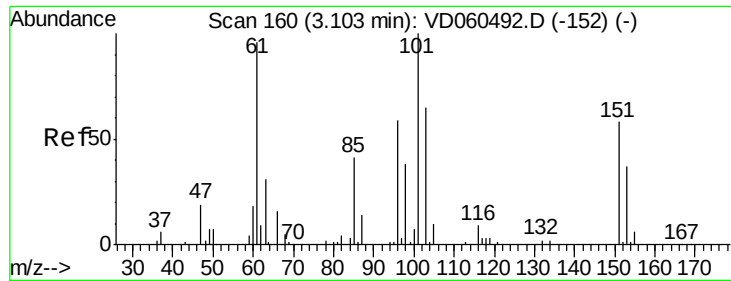


#8

Diethyl Ether
 Concen: 20.076 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion: 74 Resp: 55202
 Ion Ratio Lower Upper
 74 100
 45 156.3 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.797 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBSD01

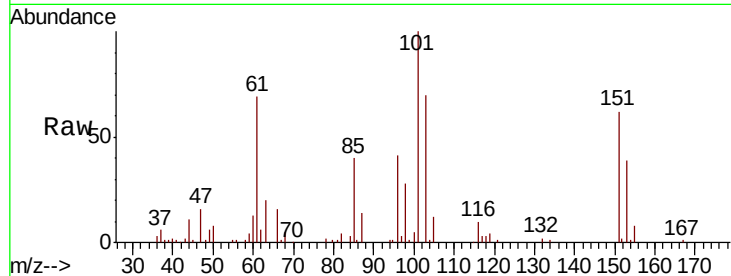
Tot Ion:101 Resp: 214815

Ion Ratio Lower Upper

101 100

85 40.2 32.7 49.1

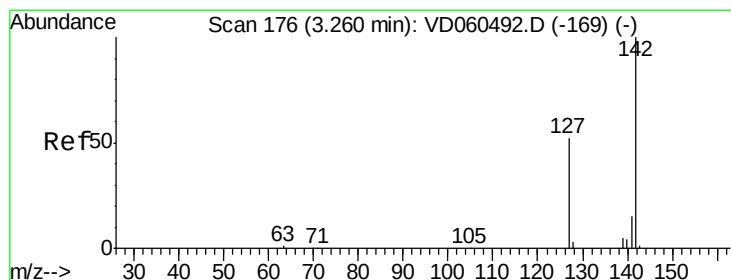
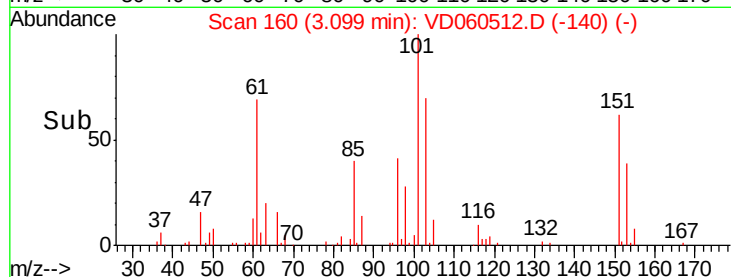
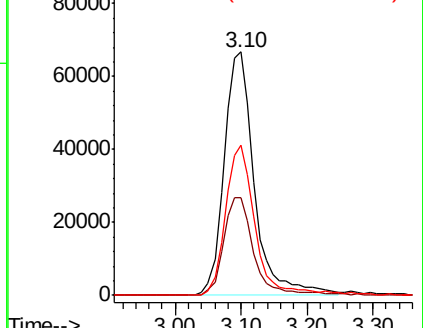
151 61.6 46.6 69.8



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: 19.555 ug/l

RT: 3.25 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

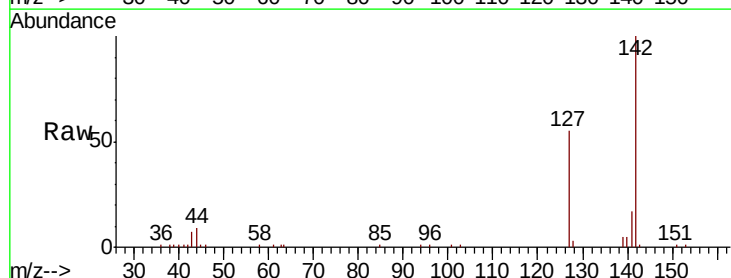
Tgt Ion:142 Resp: 236099

Ion Ratio Lower Upper

142 100

127 55.1 41.2 61.8

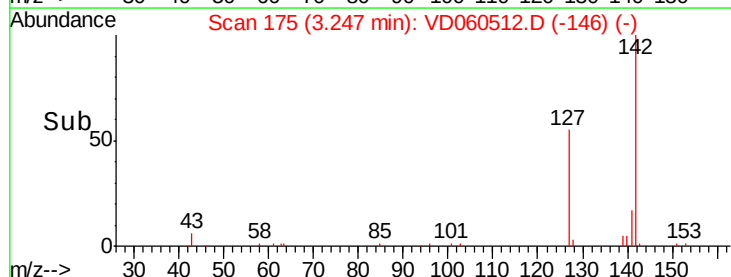
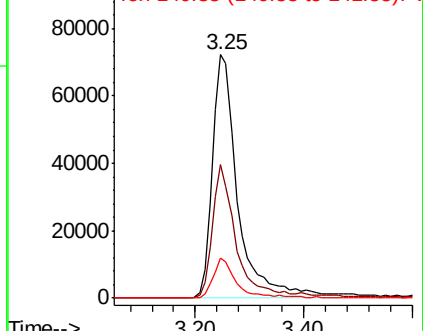
141 16.6 11.9 17.9

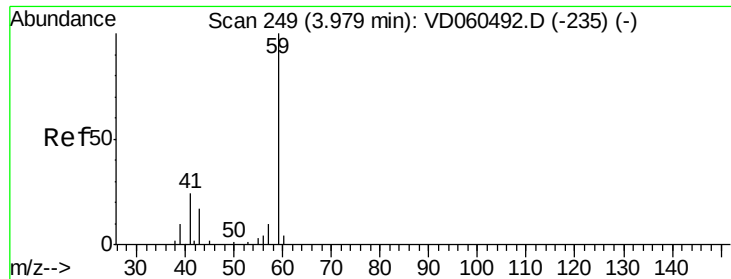


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

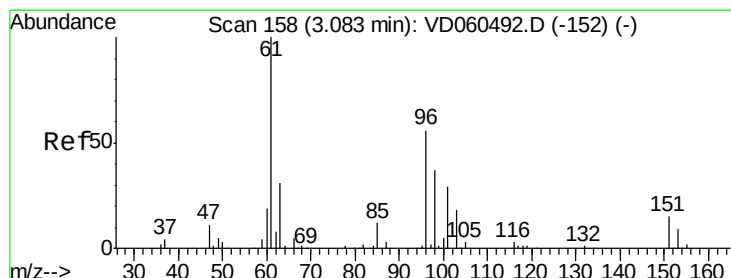
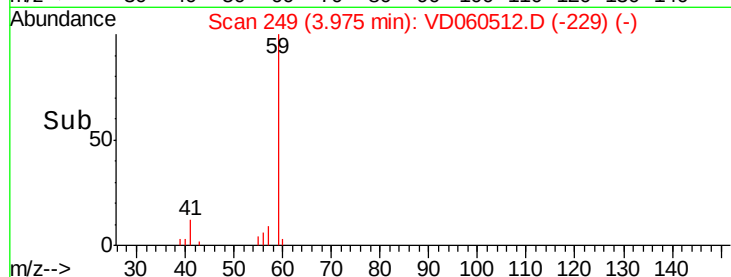
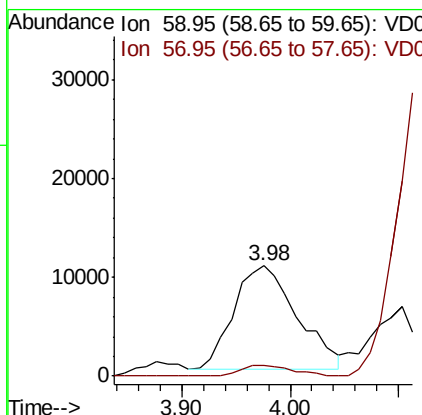
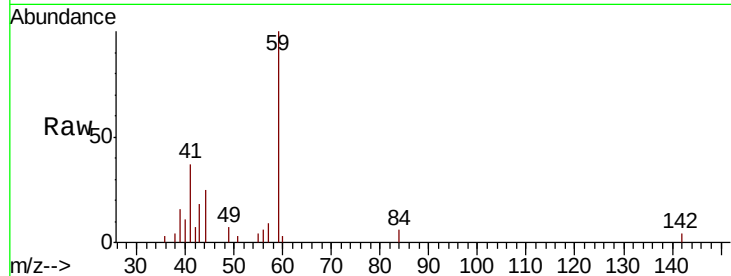




#11
Tert butyl alcohol
Concen: 88.711 ug/l
RT: 3.98 min Scan# 249
Delta R.T. -0.00 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

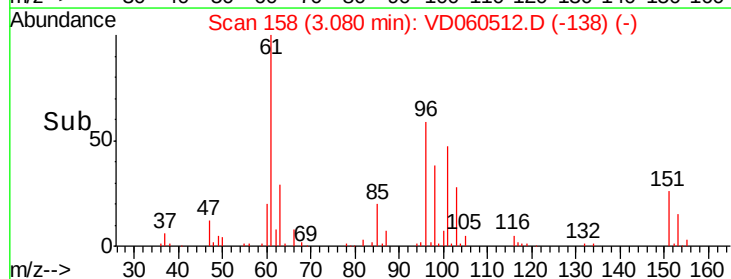
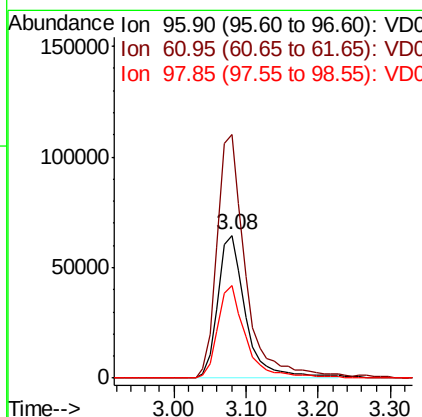
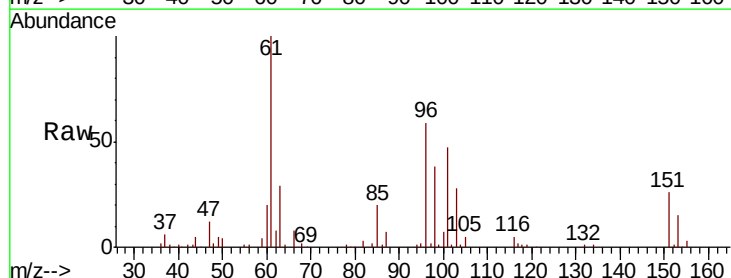
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

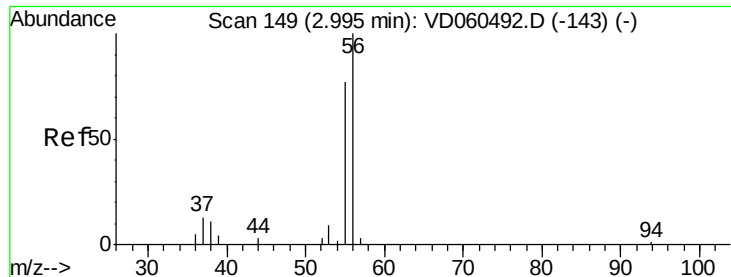
Tot Ion: 59 Resp: 42950
Ion Ratio Lower Upper
59 100
57 9.4 8.1 12.1



#12
1,1-Dichloroethene
Concen: 20.606 ug/l
RT: 3.08 min Scan# 158
Delta R.T. -0.00 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion: 96 Resp: 173169
Ion Ratio Lower Upper
96 100
61 170.7 143.0 214.4
98 64.6 53.4 80.0





#13

Acrolein

Concen: 100.384 ug/l

RT: 2.99 min Scan# 149

Delta R.T. -0.00 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

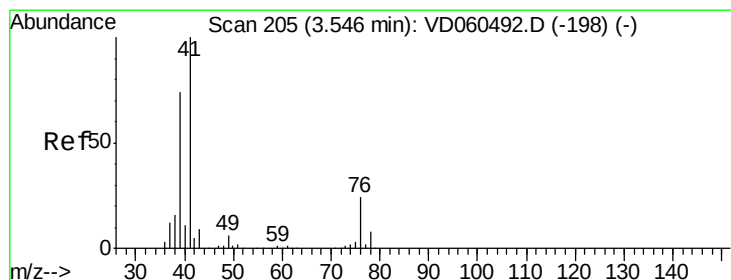
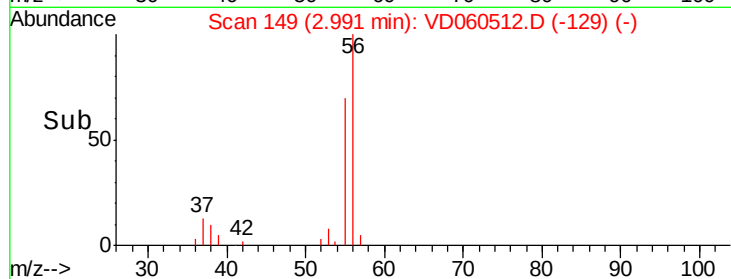
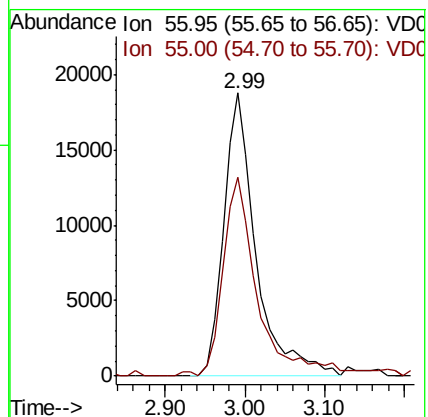
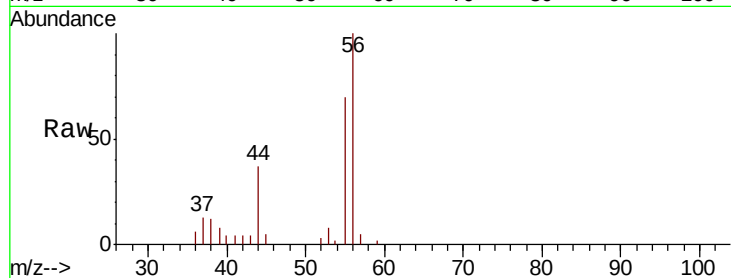
VD1207SBS01

Tot Ion: 56 Resp: 53106

Ion Ratio Lower Upper

56 100

55 70.1 62.0 93.0



#14

Allyl chloride

Concen: 20.774 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

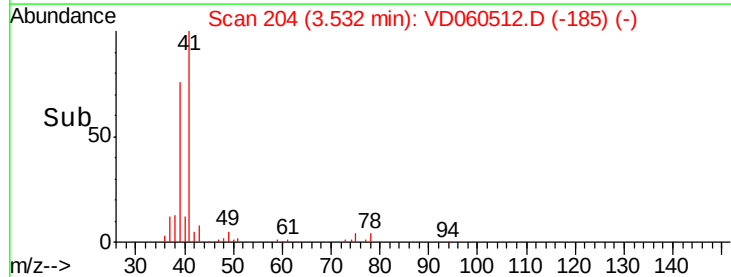
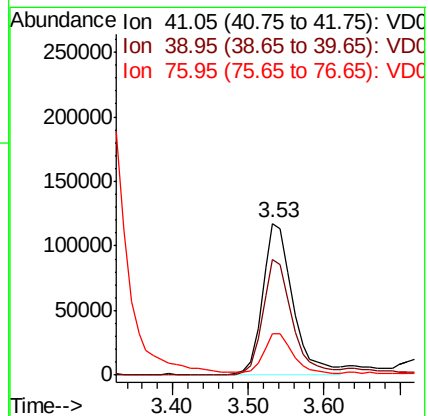
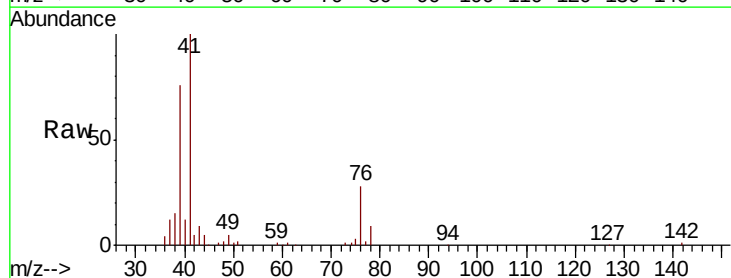
Tgt Ion: 41 Resp: 331223

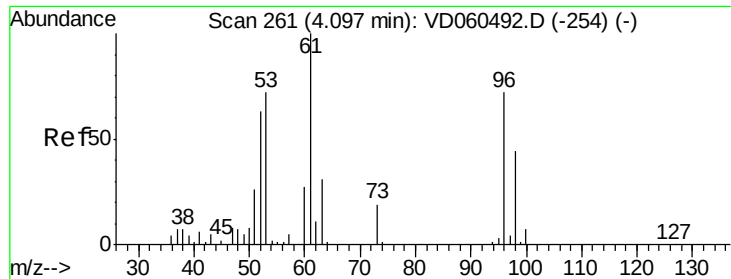
Ion Ratio Lower Upper

41 100

39 76.4 59.3 88.9

76 27.7 21.0 31.6

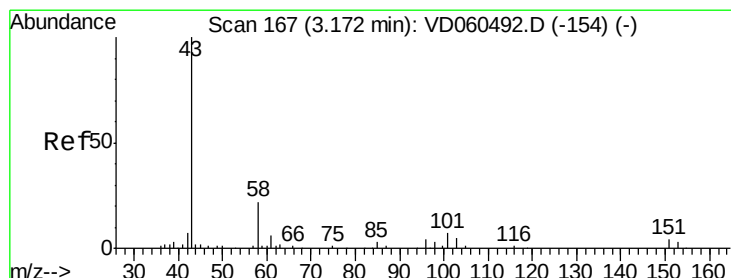
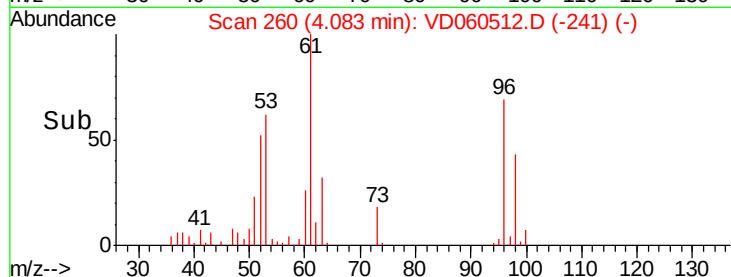
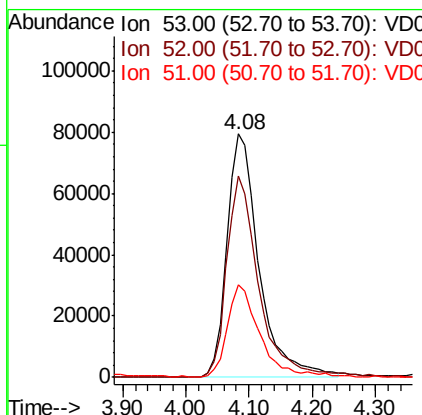
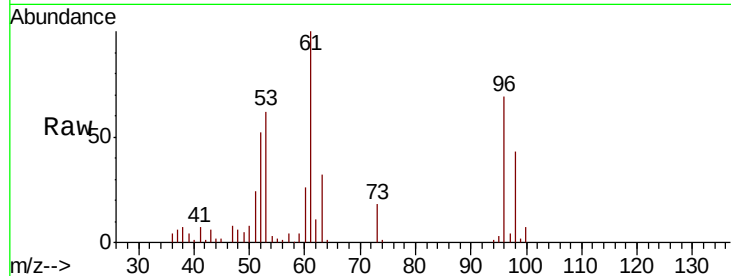




#15
 Acrylonitrile
 Concen: 101.456 ug/l
 RT: 4.08 min Scan# 260
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

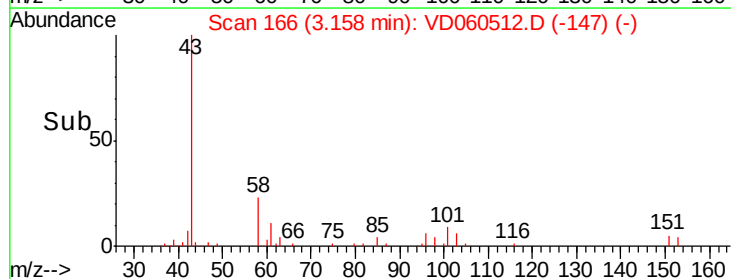
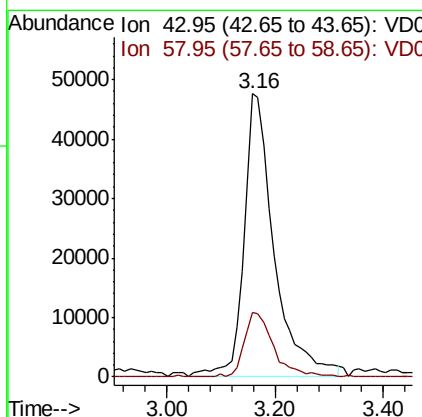
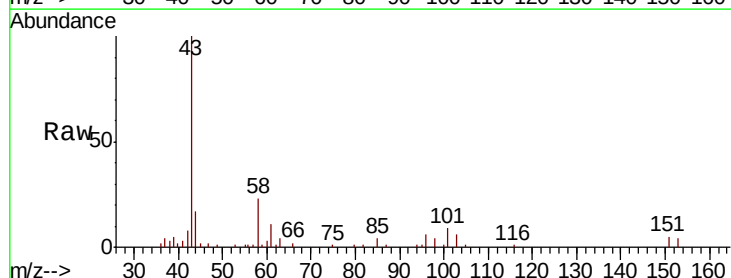
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBSD01

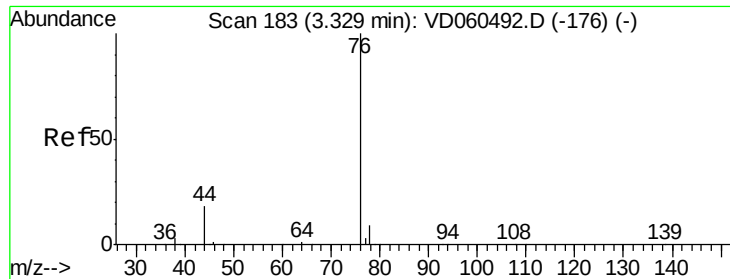
Tot Ion: 53 Resp: 278910
 Ion Ratio Lower Upper
 53 100
 52 82.7 70.0 105.0
 51 37.9 28.8 43.2



#16
 Acetone
 Concen: 96.604 ug/l
 RT: 3.16 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion: 43 Resp: 184534
 Ion Ratio Lower Upper
 43 100
 58 22.6 17.3 25.9

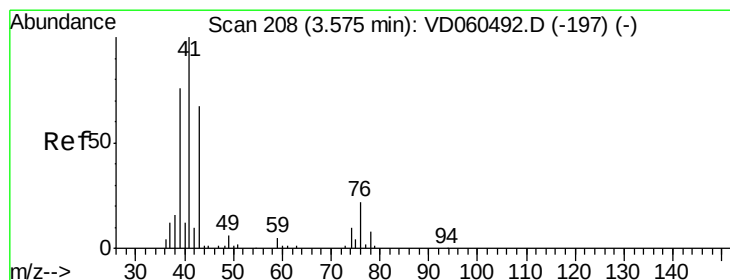
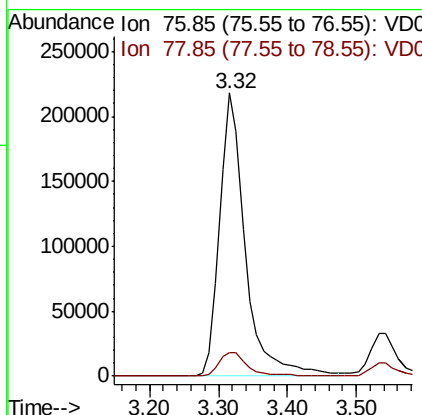
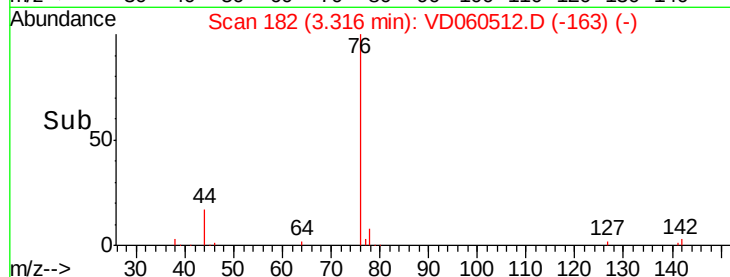
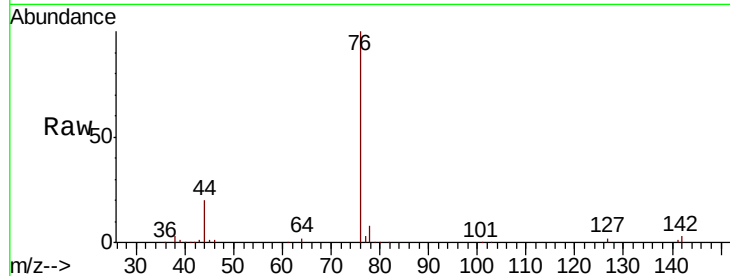




#17
Carbon Disulfide
Concen: 20.623 ug/l
RT: 3.32 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

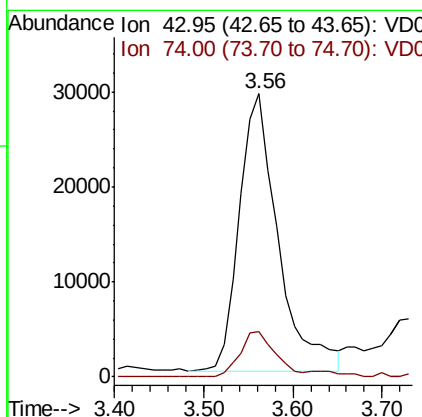
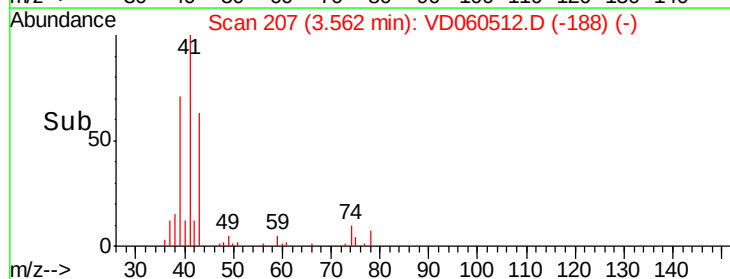
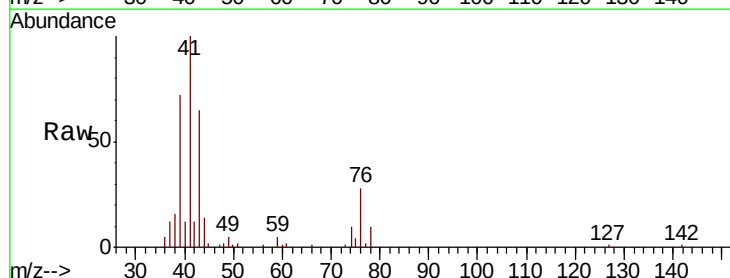
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBSD01

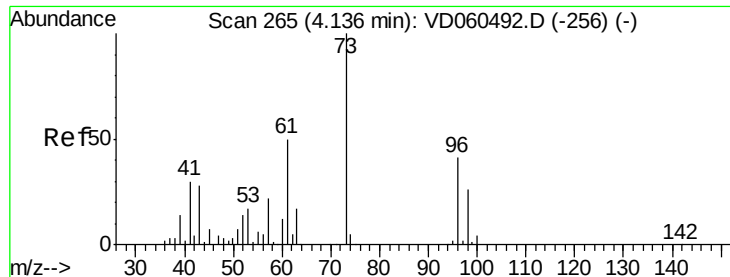
Tot Ion: 76 Resp: 562957
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.6



#18
Methyl Acetate
Concen: 19.536 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion: 43 Resp: 88690
Ion Ratio Lower Upper
43 100
74 16.0 12.0 18.0



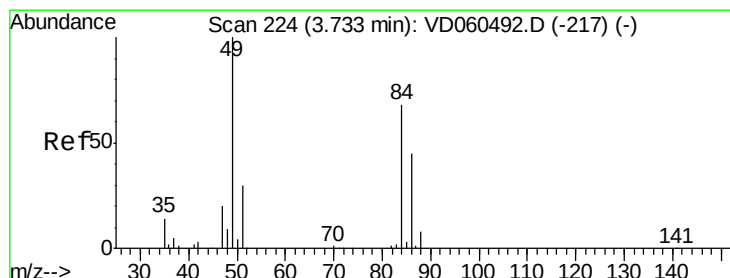
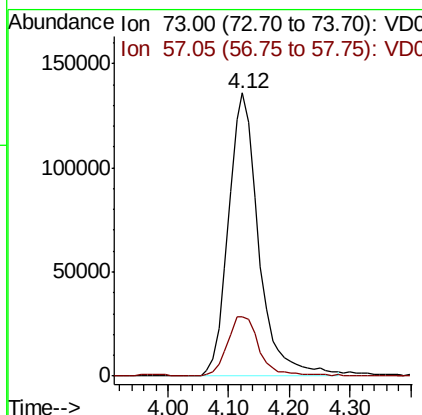
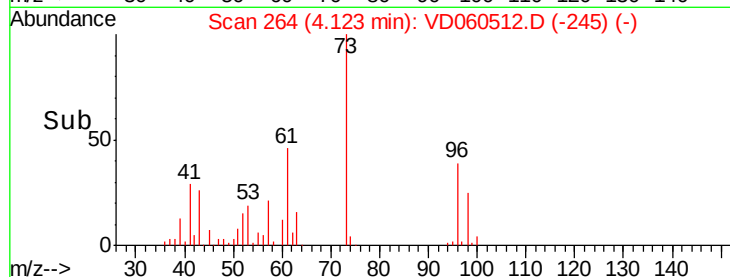
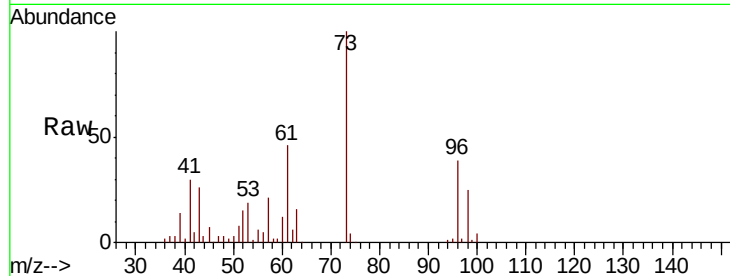


#19

Methyl tert-butyl Ether
 Concen: 20.288 ug/l
 RT: 4.12 min Scan# 264
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

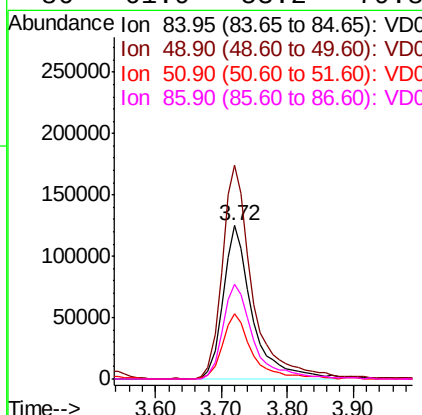
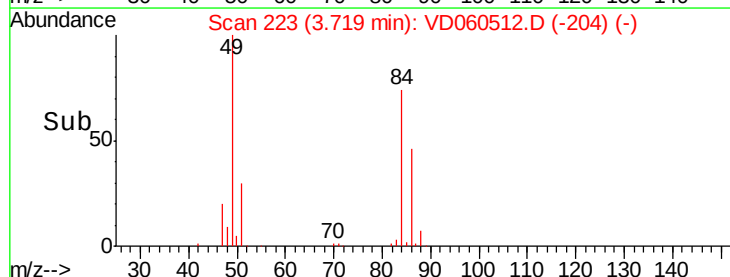
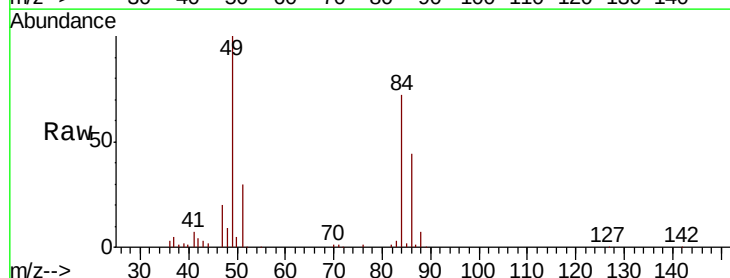
Tot Ion: 73 Resp: 472811
 Ion Ratio Lower Upper
 73 100
 57 20.9 17.8 26.6

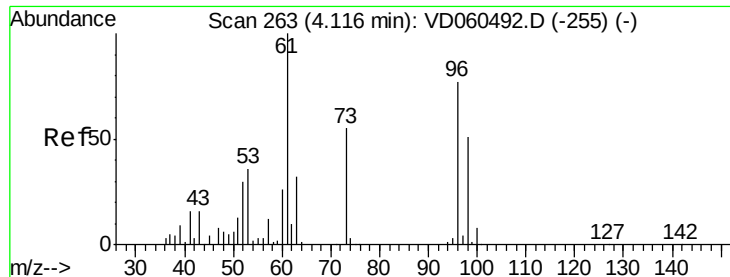


#20

Methylene Chloride
 Concen: 19.318 ug/l
 RT: 3.72 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion: 84 Resp: 386965
 Ion Ratio Lower Upper
 84 100
 49 139.2 117.2 175.8
 51 42.3 35.3 52.9
 86 61.9 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 20.727 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

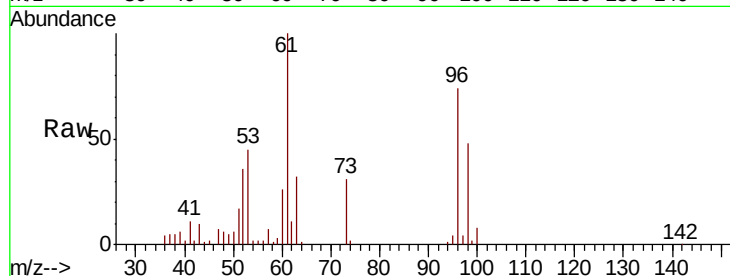
Tot Ion: 96 Resp: 378888

Ion Ratio Lower Upper

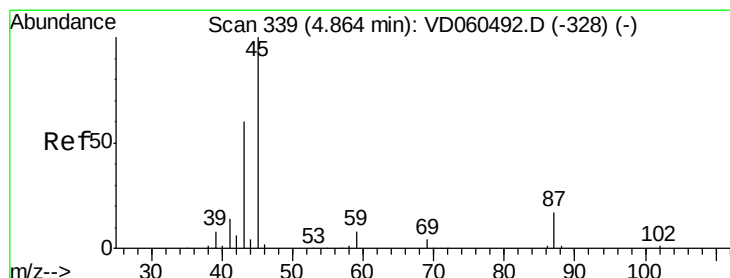
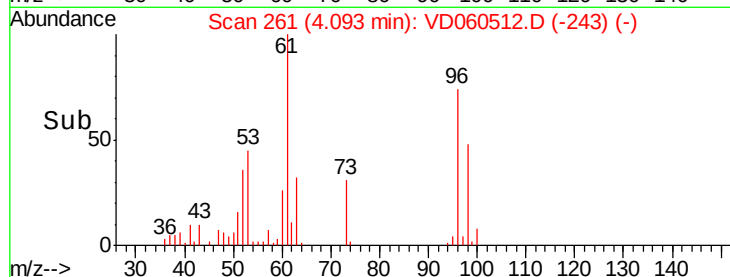
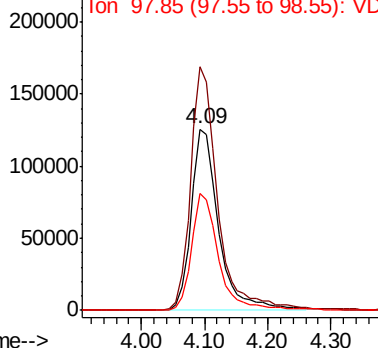
96 100

61 134.5 104.2 156.4

98 64.6 52.8 79.2



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: 20.355 ug/l

RT: 4.85 min Scan# 338

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Tgt Ion: 45 Resp: 1165221

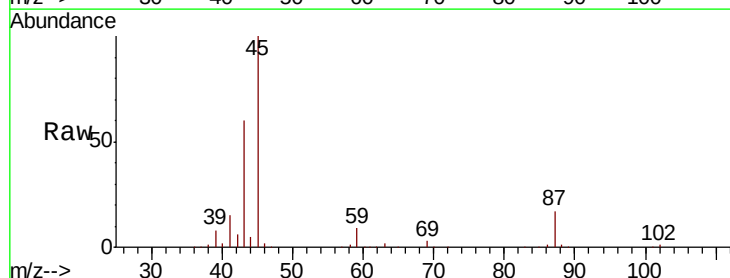
Ion Ratio Lower Upper

45 100

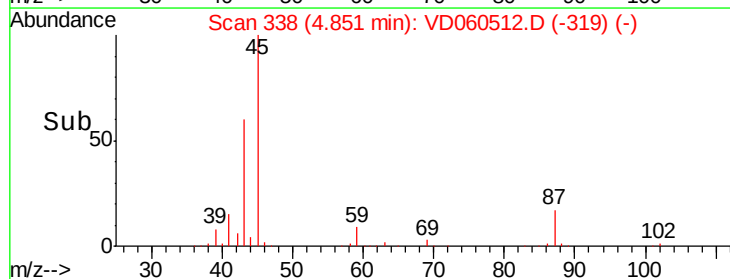
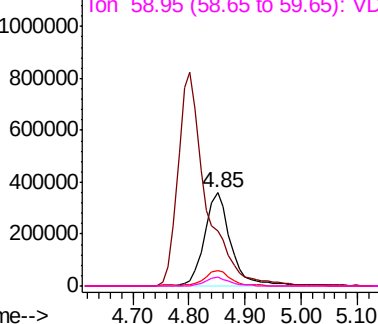
43 59.8 48.6 73.0

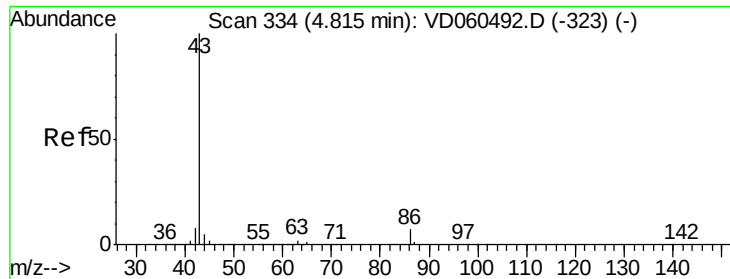
87 16.5 14.0 21.0

59 9.0 6.9 10.3



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: 101.606 ug/l

RT: 4.80 min Scan# 333

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

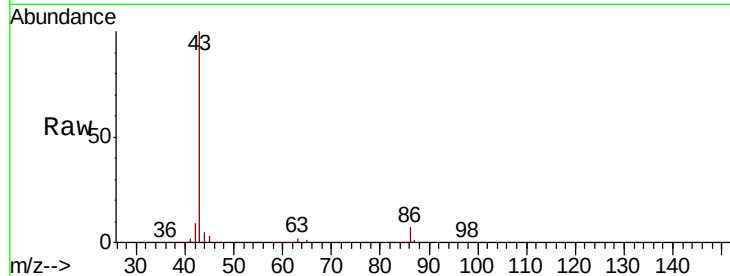
VD1207SBS01

Tot Ion: 43 Resp: 2881849

Ion Ratio Lower Upper

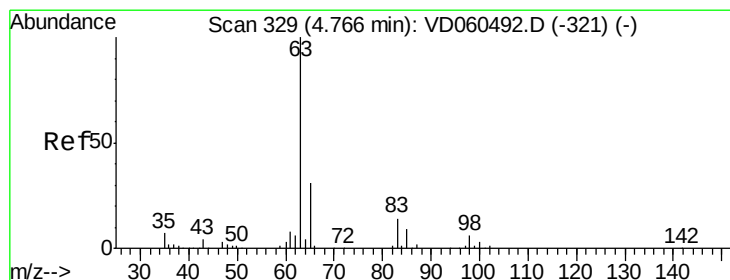
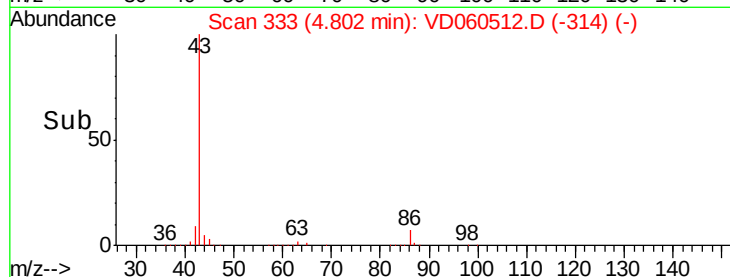
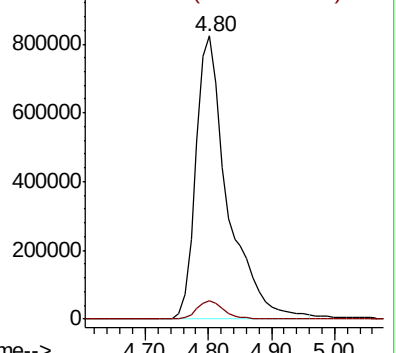
43 100

86 6.7 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.222 ug/l

RT: 4.75 min Scan# 328

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

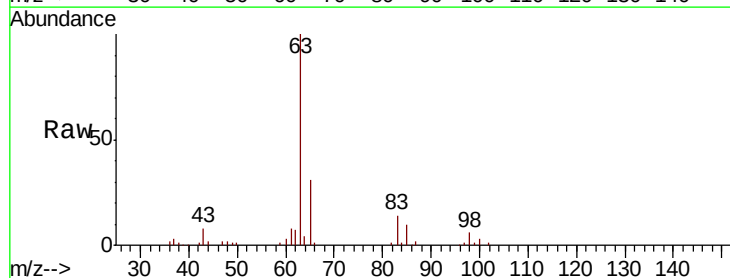
Tgt Ion: 63 Resp: 601408

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

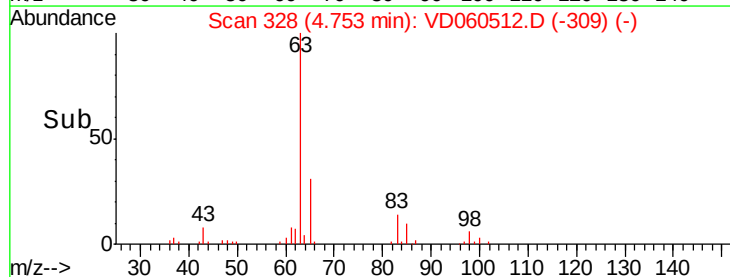
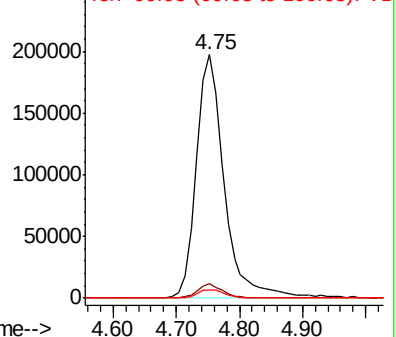
100 3.5 1.7 5.1

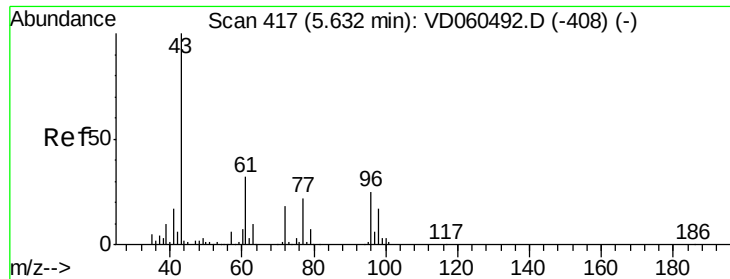


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 96.738 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.02 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

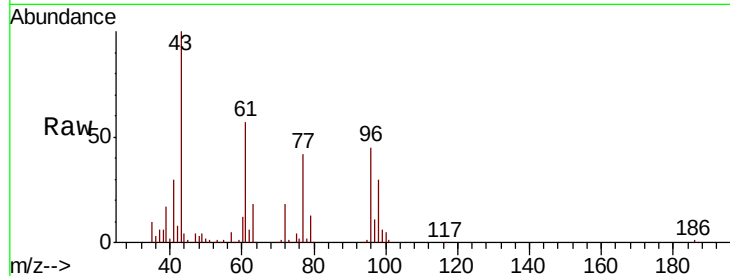
VD1207SBSD01

Tot Ion: 43 Resp: 363555

Ion Ratio Lower Upper

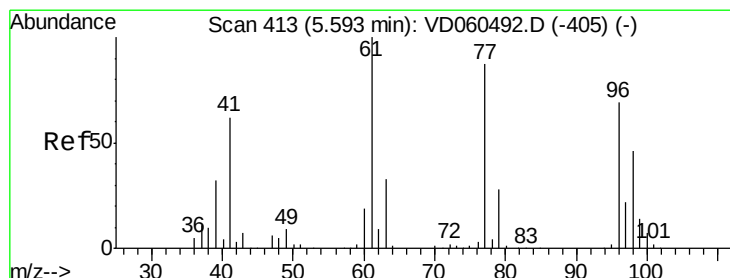
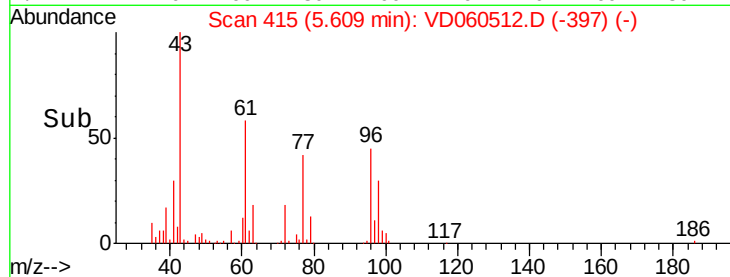
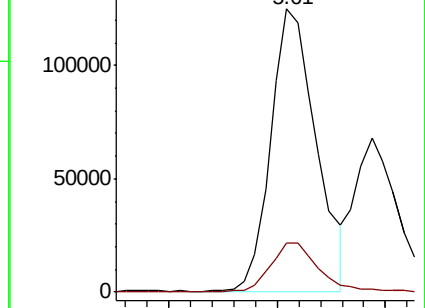
43 100

72 17.5 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.492 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.01 min

Lab File: VD060512.D

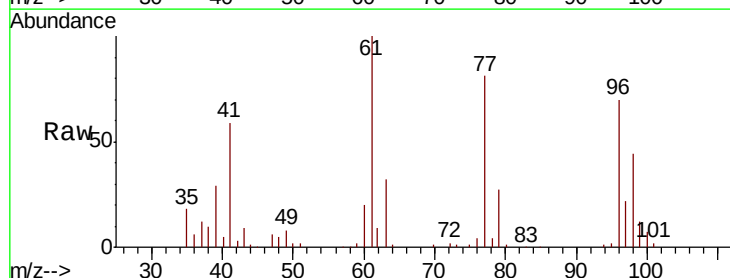
Acq: 7 Dec 2018 12:25

Tgt Ion: 77 Resp: 470795

Ion Ratio Lower Upper

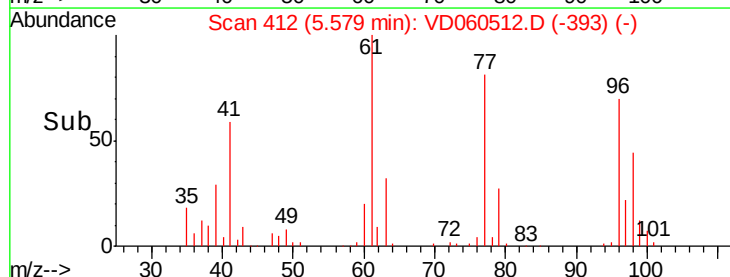
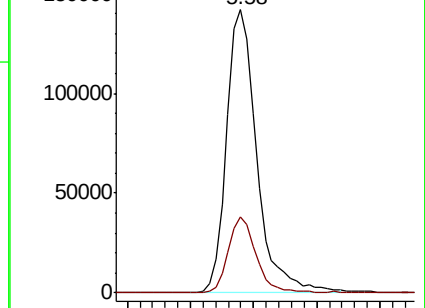
77 100

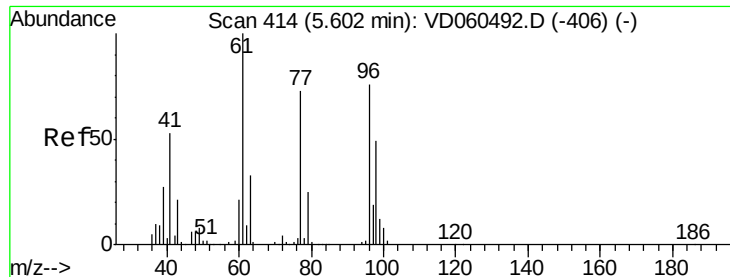
97 26.8 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



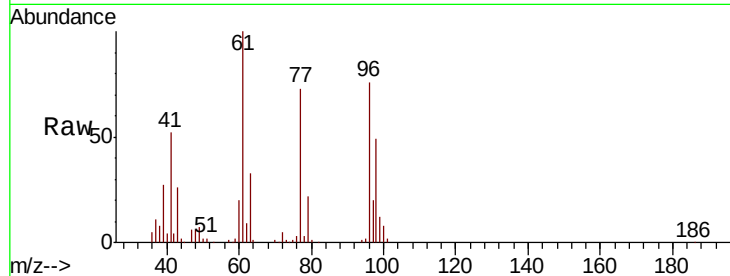


#27

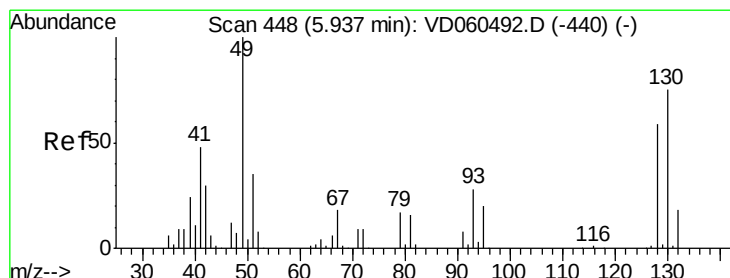
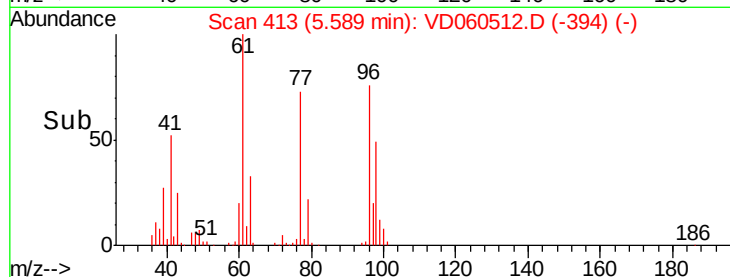
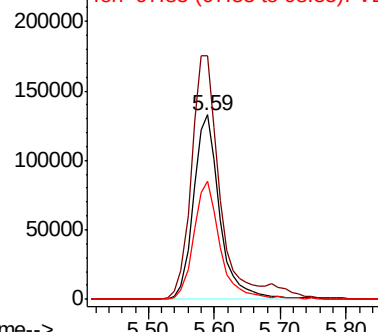
cis-1,2-Dichloroethene
Concen: 19.891 ug/l
RT: 5.59 min Scan# 413
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 96 Resp: 369710
Ion Ratio Lower Upper
96 100
61 131.8 0.0 263.6
98 64.4 0.0 128.2



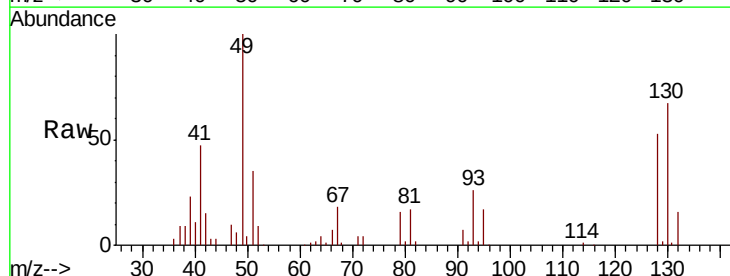
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



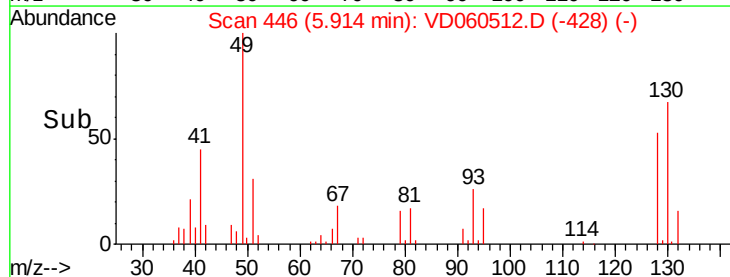
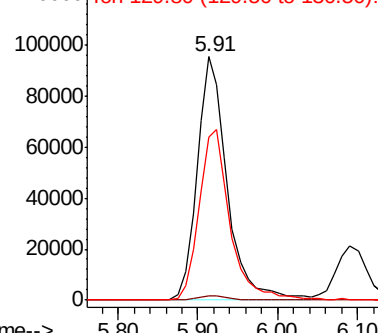
#28

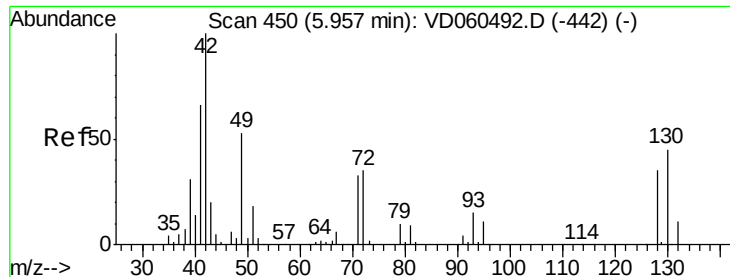
Bromochloromethane
Concen: 19.124 ug/l
RT: 5.91 min Scan# 446
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion: 49 Resp: 251947
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.4
130 67.1 59.8 89.6



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

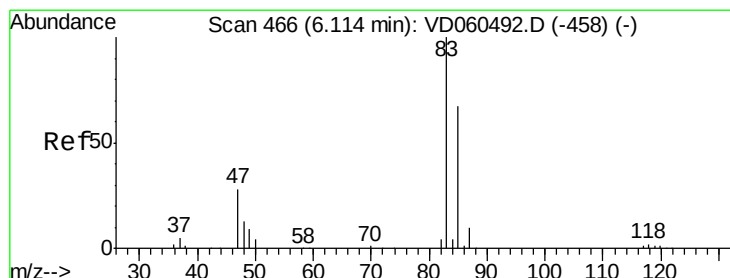
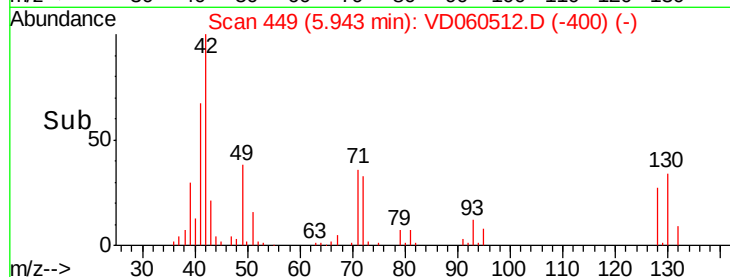
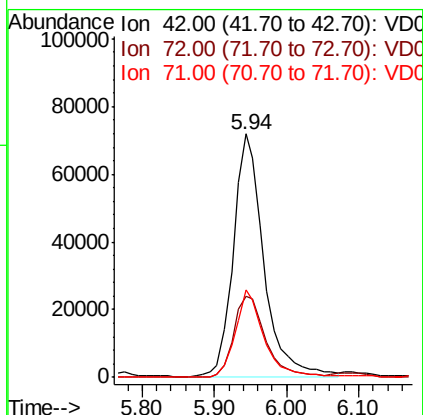
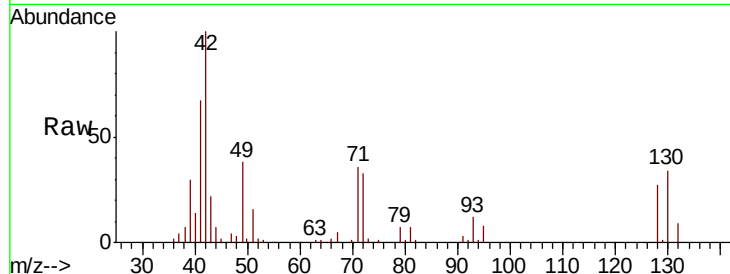




#29
Tetrahydrofuran
Concen: 100.442 ug/l
RT: 5.94 min Scan# 449
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

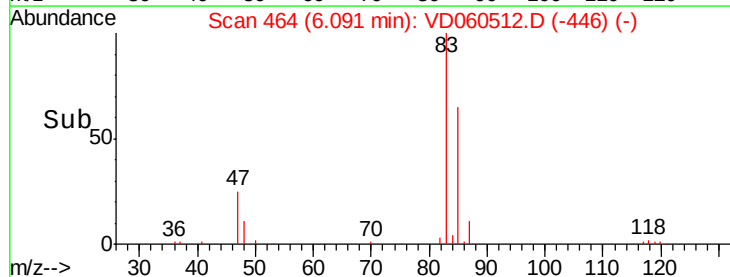
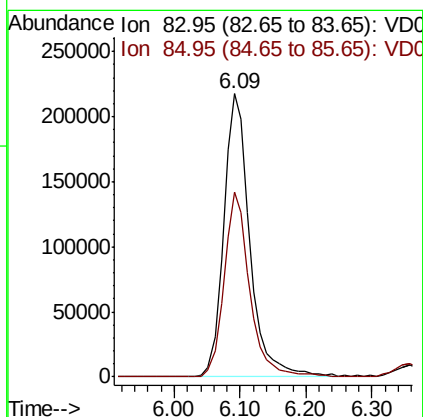
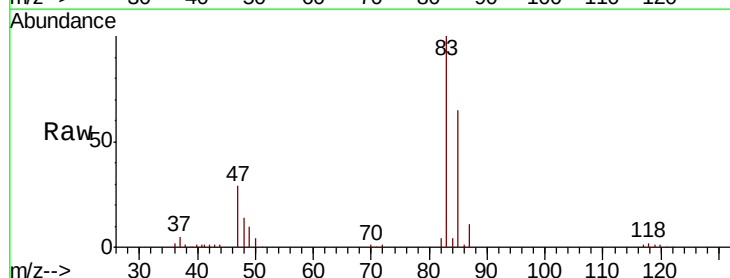
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

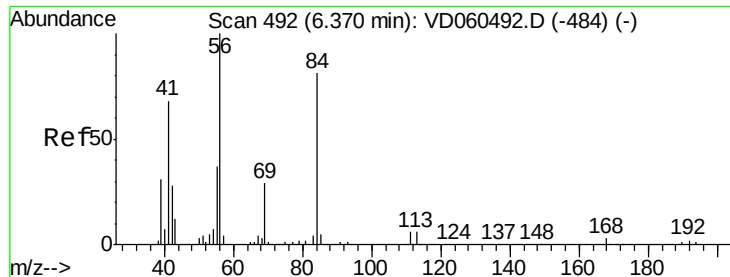
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.8	28.0	42.0
71	33.5	27.2	40.8



#30
Chloroform
Concen: 20.069 ug/l
RT: 6.09 min Scan# 464
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.4	80.2

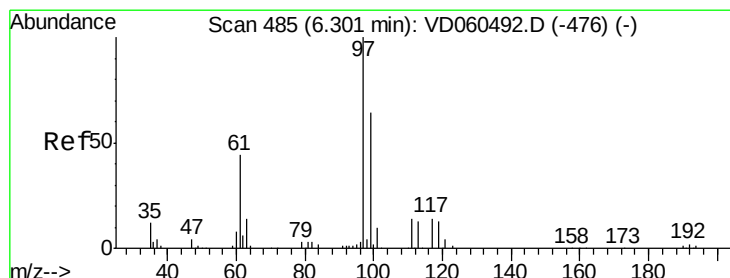
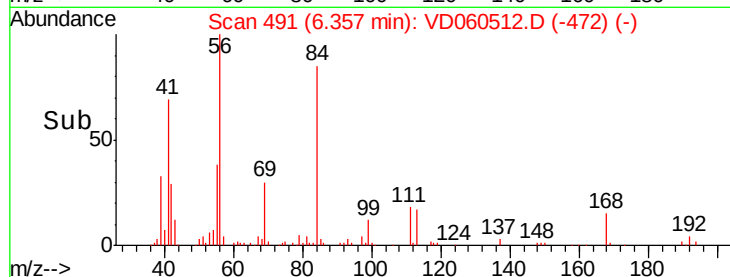
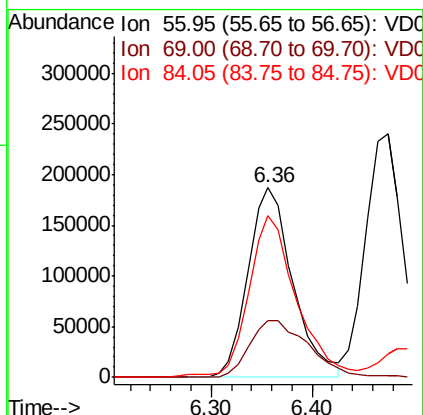
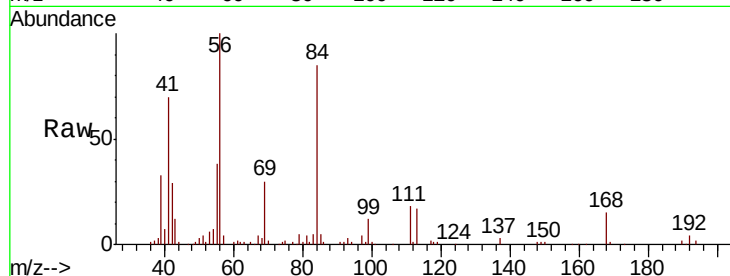




#31
Cyclohexane
Concen: 20.537 ug/l
RT: 6.36 min Scan# 491
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

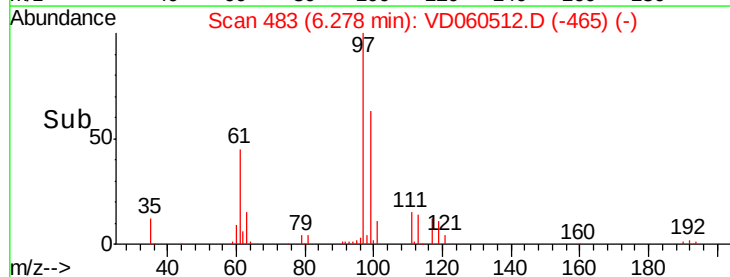
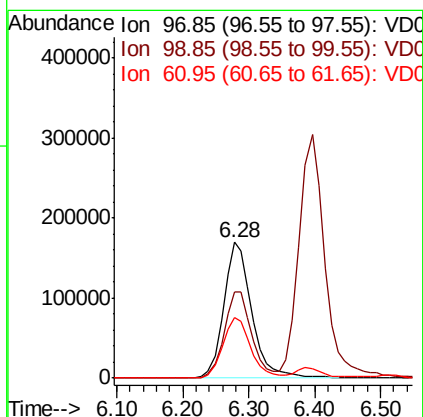
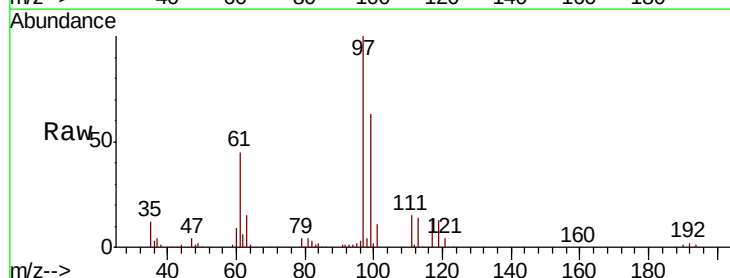
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

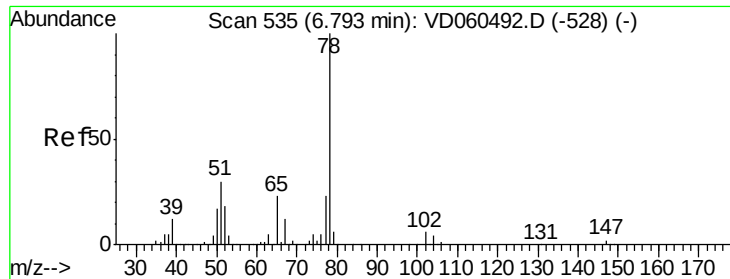
Tot Ion: 56 Resp: 579689
Ion Ratio Lower Upper
56 100
69 29.9 22.8 34.2
84 85.0 65.1 97.7



#32
1,1,1-Trichloroethane
Concen: 20.509 ug/l
RT: 6.28 min Scan# 483
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion: 97 Resp: 505155
Ion Ratio Lower Upper
97 100
99 63.5 51.0 76.4
61 44.7 35.3 52.9

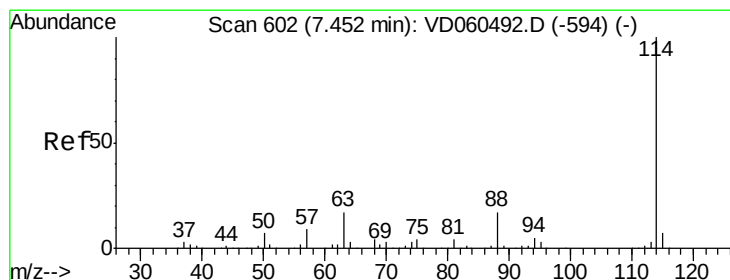
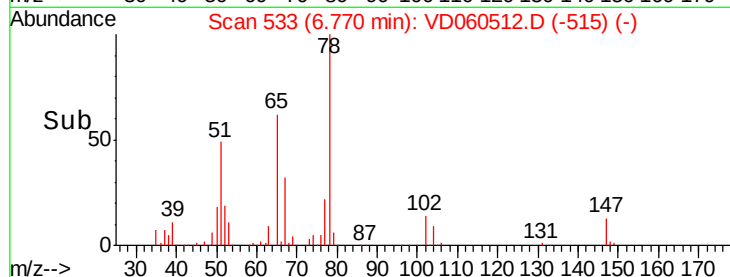
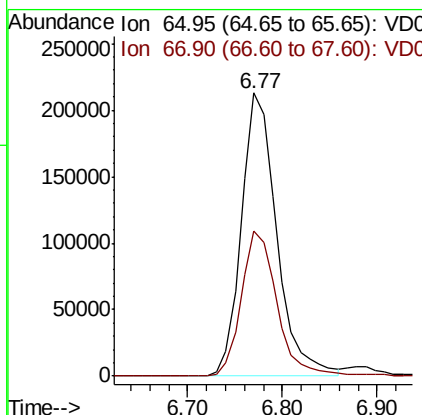
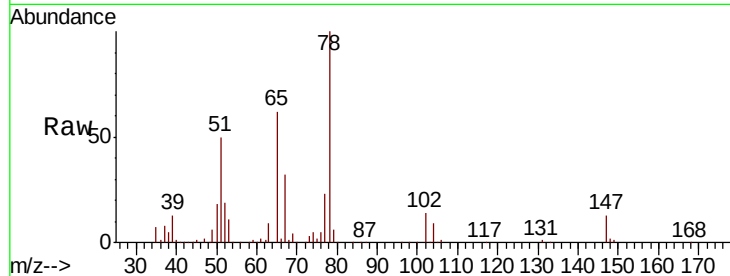




#33
 1,2-Dichloroethane-d4
 Concen: 20.509 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

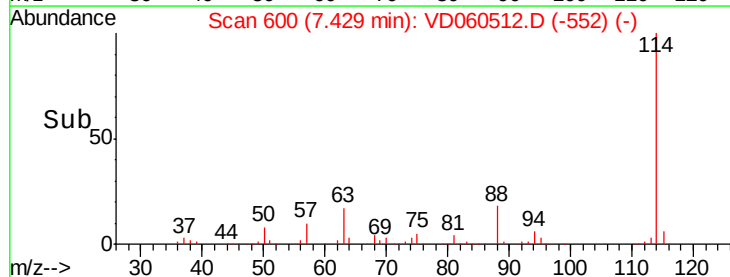
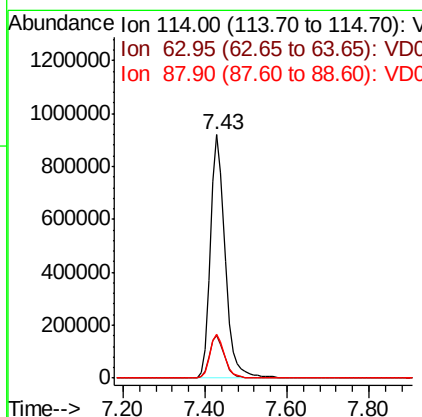
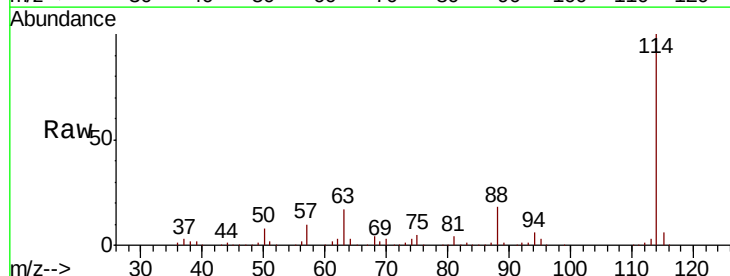
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

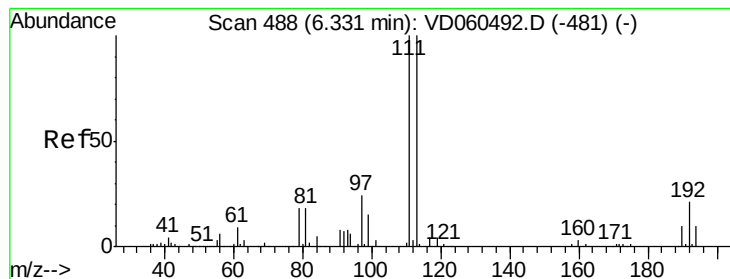
Tot Ion: 65 Resp: 551192
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.02 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion: 114 Resp: 2296113
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 34.2
 88 17.9 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBSD01

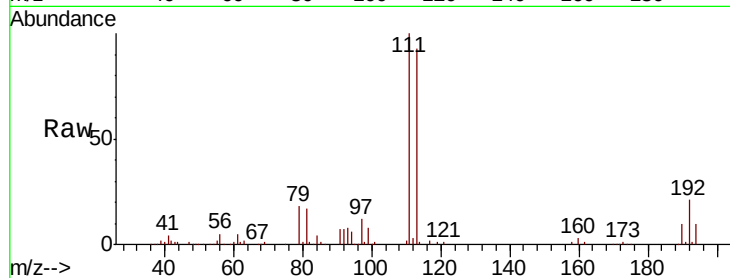
Tot Ion:113 Resp: 815400

Ion Ratio Lower Upper

113 100

111 107.6 80.2 120.4

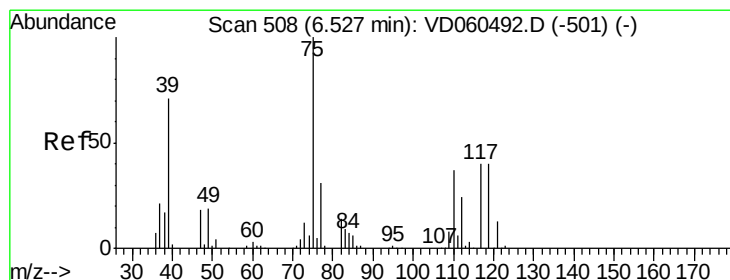
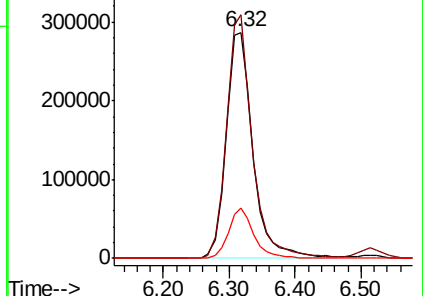
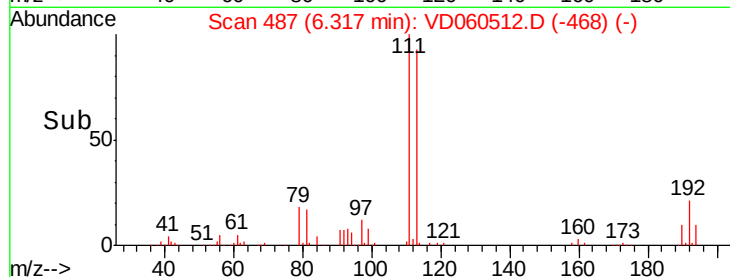
192 22.3 16.6 24.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.131 ug/l

RT: 6.51 min Scan# 507

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

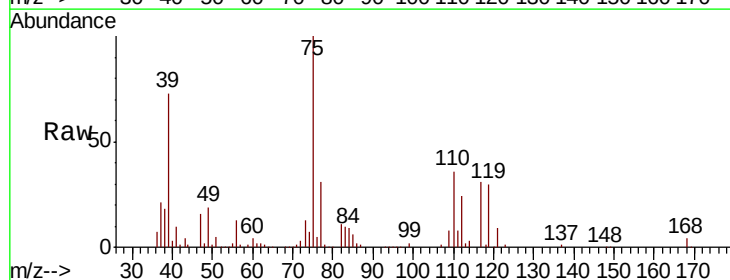
Tgt Ion: 75 Resp: 474266

Ion Ratio Lower Upper

75 100

110 36.1 18.3 54.8

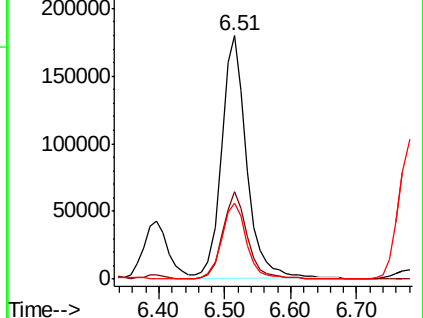
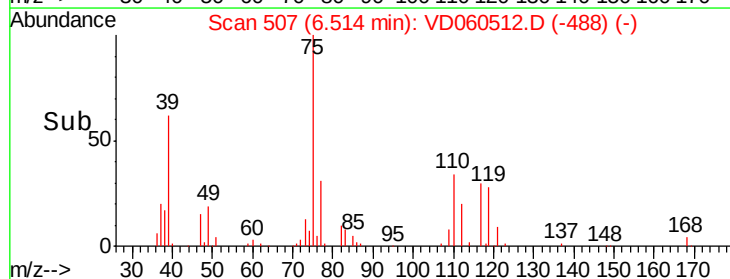
77 31.4 24.6 37.0

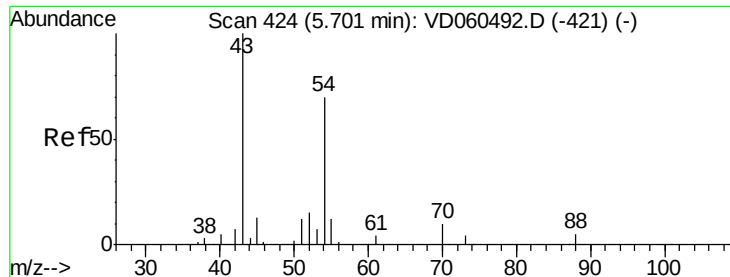


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

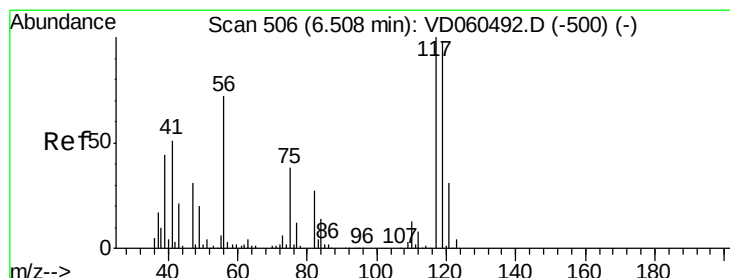
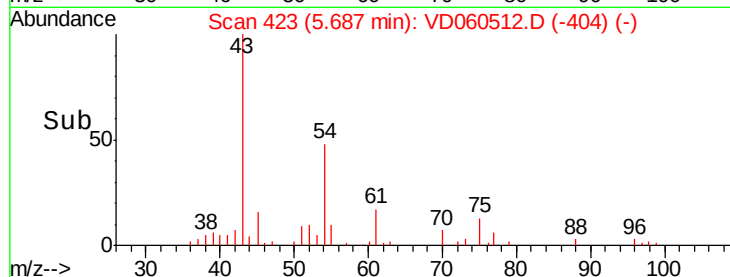
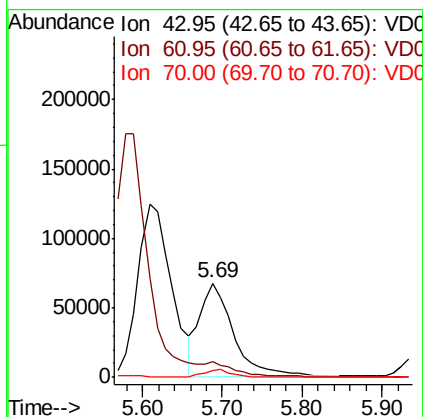
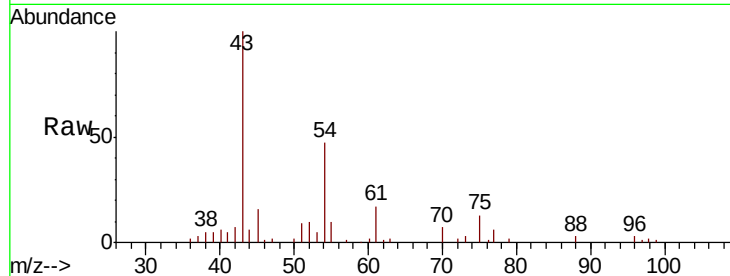




#37
Ethyl Acetate
Concen: 20.113 ug/l
RT: 5.69 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

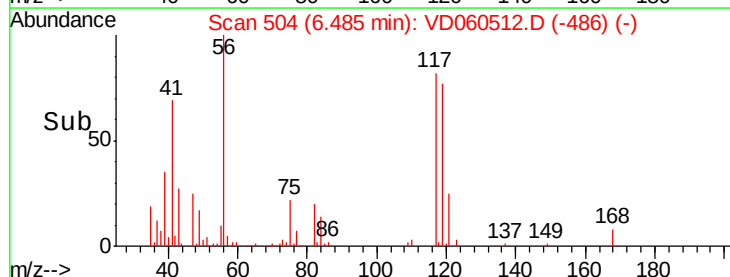
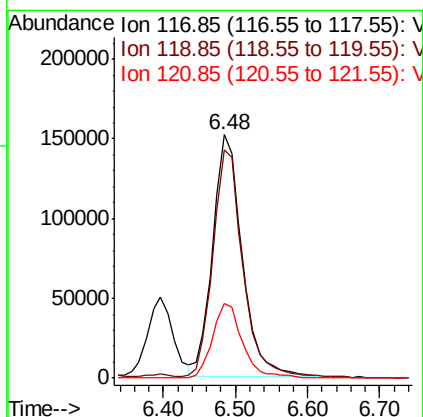
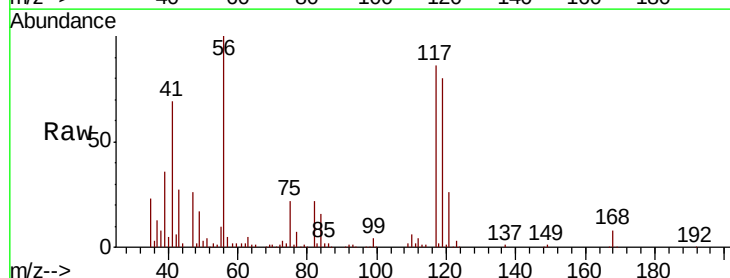
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

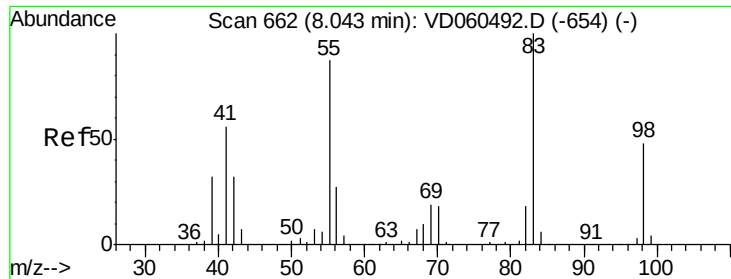
Tot Ion: 43 Resp: 195775
Ion Ratio Lower Upper
43 100
61 16.7 12.4 18.6
70 7.3 5.4 8.0



#38
Carbon Tetrachloride
Concen: 21.249 ug/l
RT: 6.48 min Scan# 504
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion: 117 Resp: 428144
Ion Ratio Lower Upper
117 100
119 93.7 76.8 115.2
121 30.8 24.4 36.6

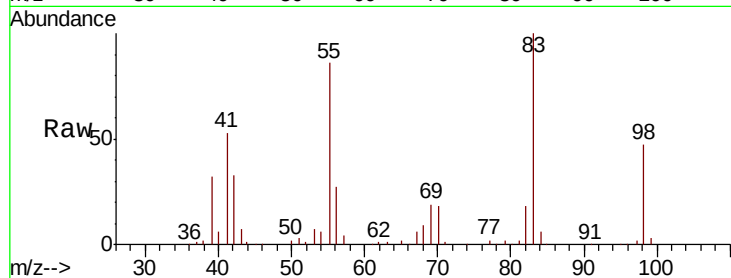




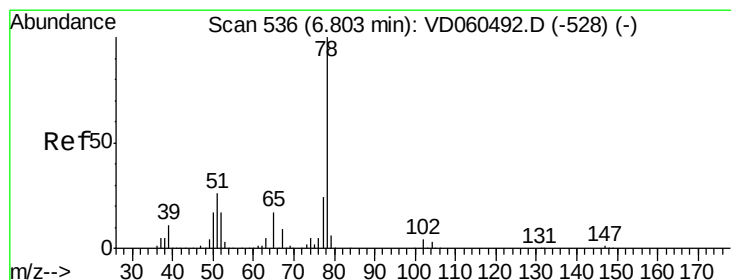
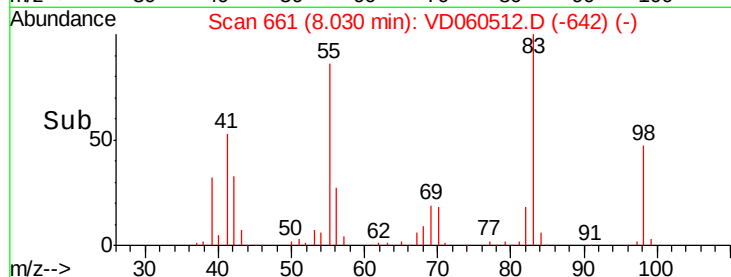
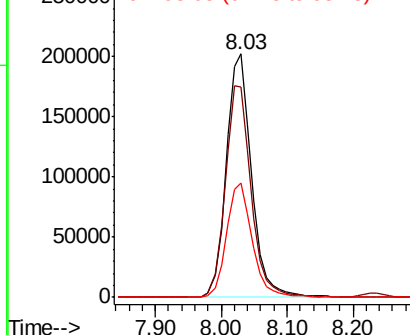
#39
Methylvlcyclohexane
Concen: 21.183 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBSD01

Tot Ion: 83 Resp: 541980
Ion Ratio Lower Upper
83 100
55 86.5 69.8 104.8
98 47.0 38.4 57.6

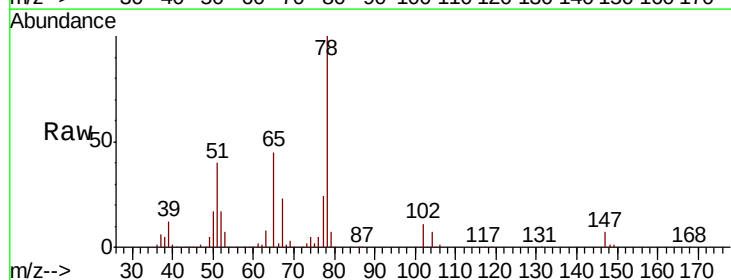


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

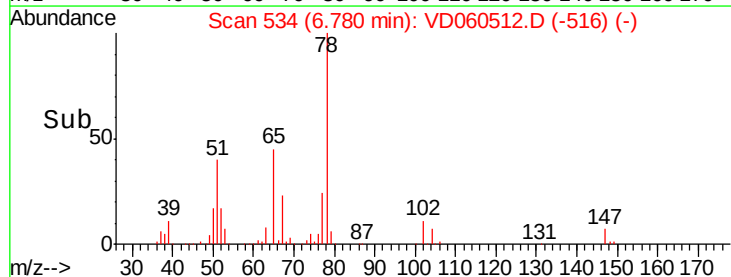
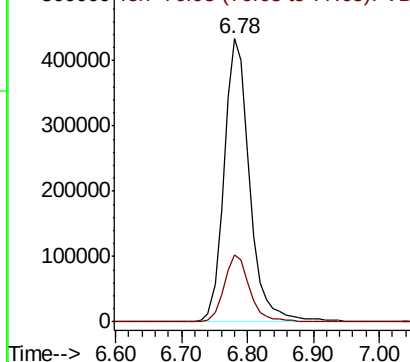


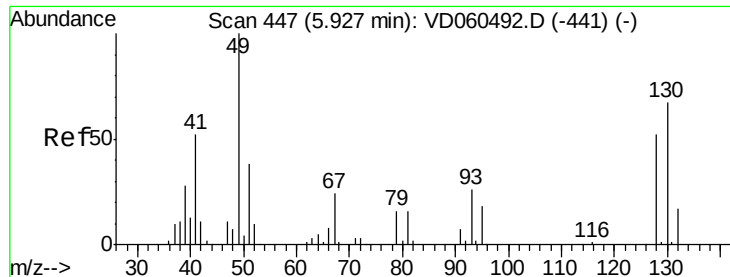
#40
Benzene
Concen: 20.540 ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion: 78 Resp: 1178161
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3



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





#41

Methacrylonitrile

Concen: 43.947 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBSD01

Tot Ion: 41 Resp: 230596

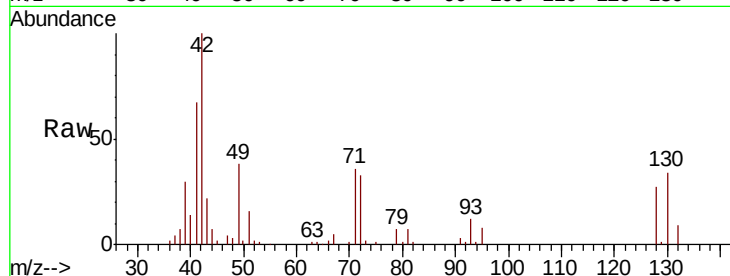
Ion Ratio Lower Upper

41 100

39 44.5 42.6 63.8

67 7.4 36.2 54.4#

52 3.3 15.6 23.4#

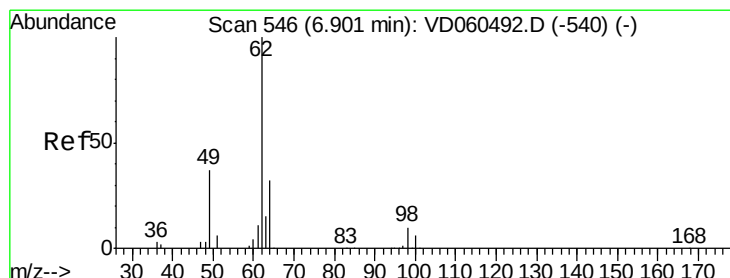
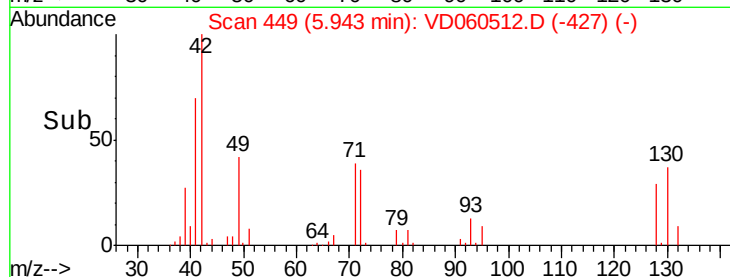
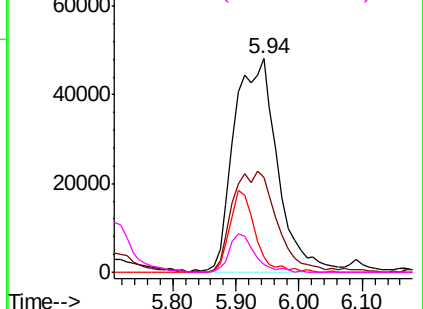


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.122 ug/l

RT: 6.88 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD060512.D

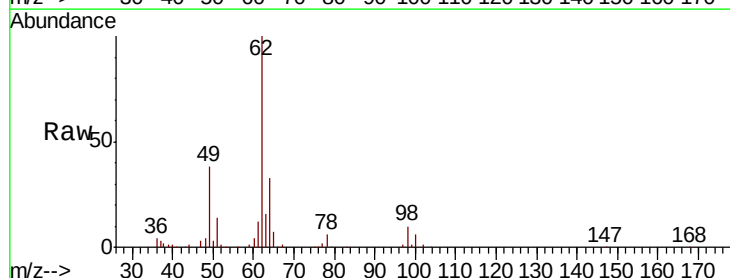
Acq: 7 Dec 2018 12:25

Tgt Ion: 62 Resp: 293463

Ion Ratio Lower Upper

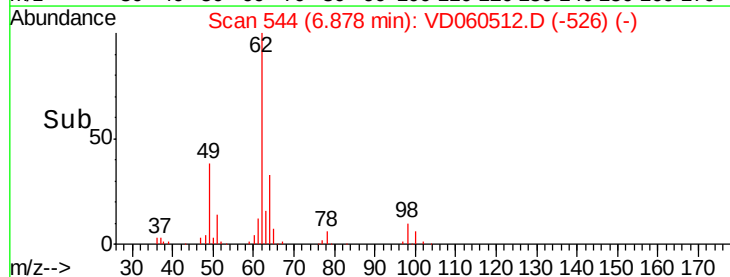
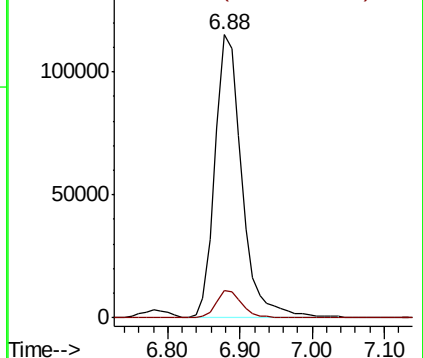
62 100

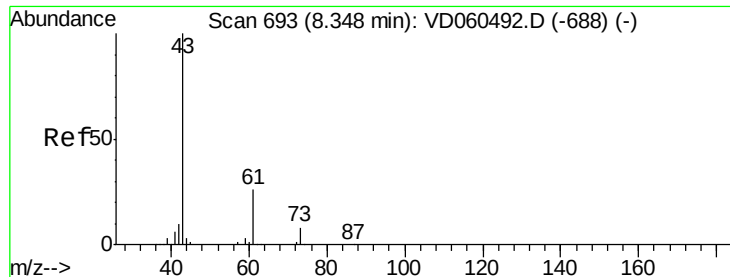
98 9.7 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.529 ug/l

RT: 8.33 min Scan# 692

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

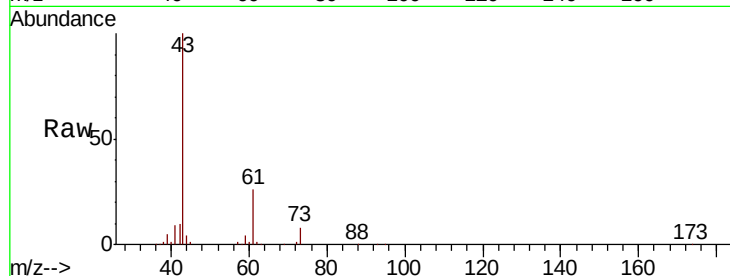
Tot Ion: 43 Resp: 246669

Ion Ratio Lower Upper

43 100

61 26.2 21.0 31.4

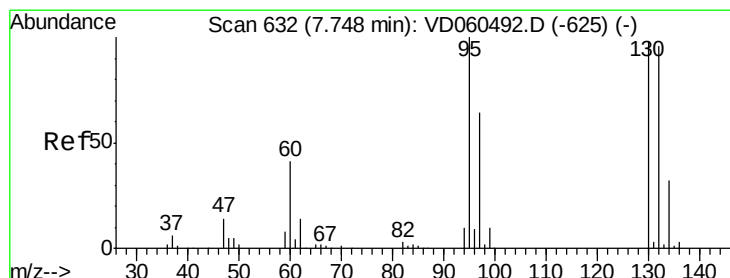
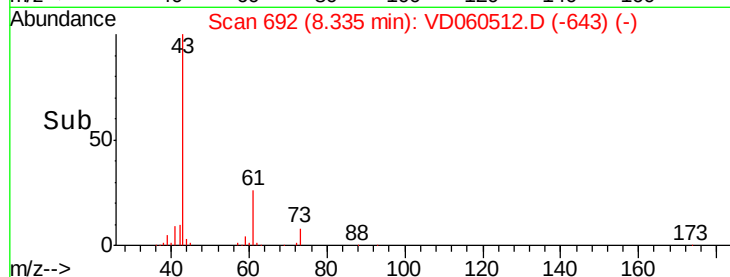
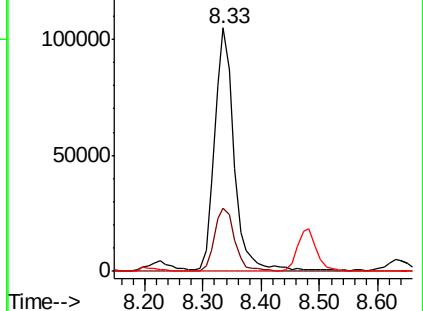
87 0.0 0.2 0.2#



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: 21.339 ug/l

RT: 7.72 min Scan# 630

Delta R.T. -0.02 min

Lab File: VD060512.D

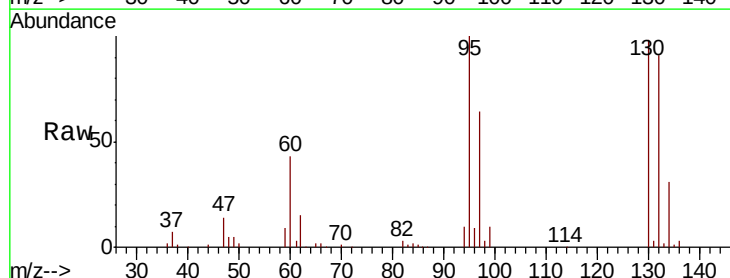
Acq: 7 Dec 2018 12:25

Tgt Ion:130 Resp: 365795

Ion Ratio Lower Upper

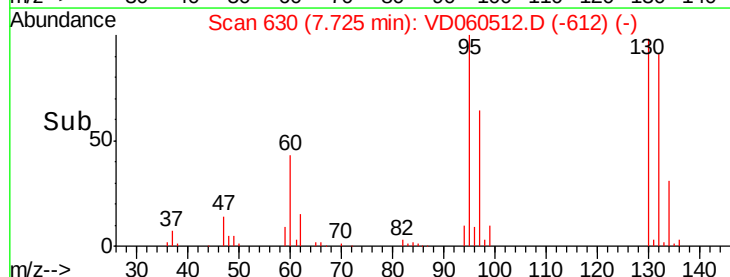
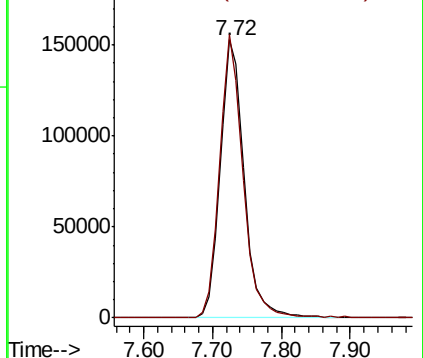
130 100

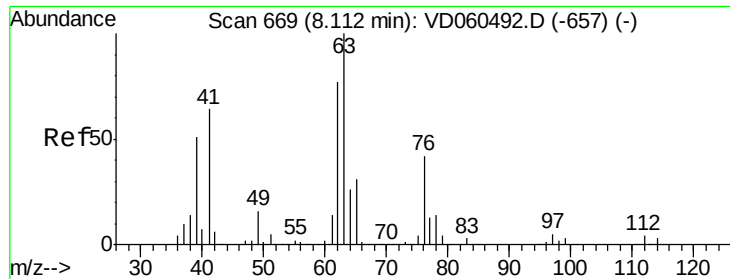
95 101.9 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

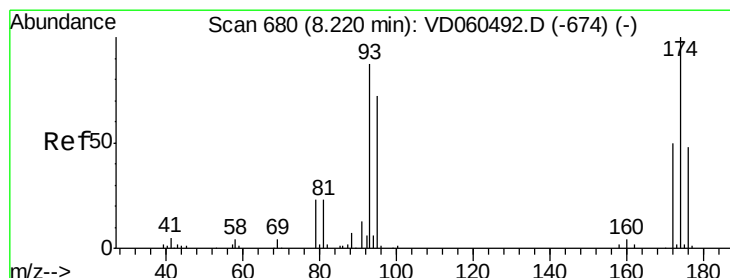
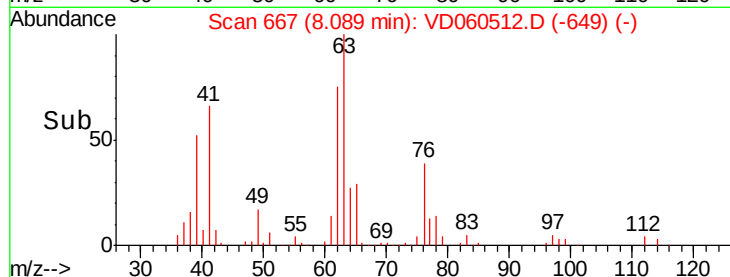
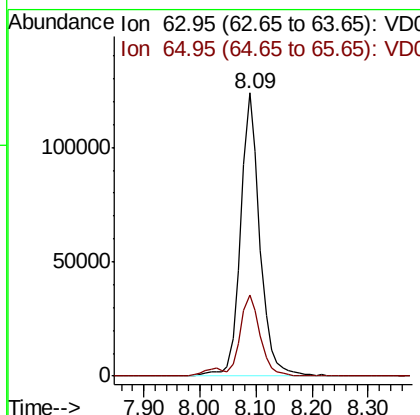
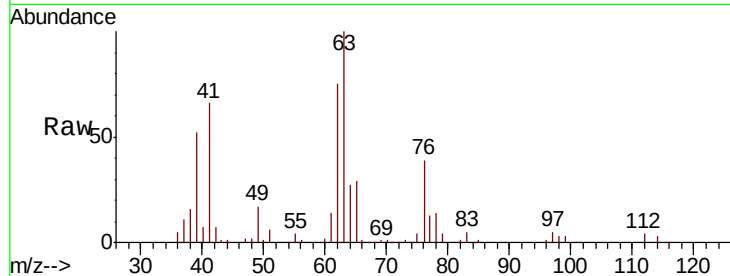




#45
1,2-Dichloropropane
Concen: 20.769 ug/l
RT: 8.09 min Scan# 667
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

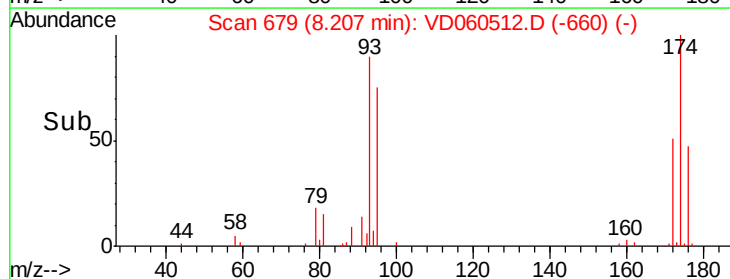
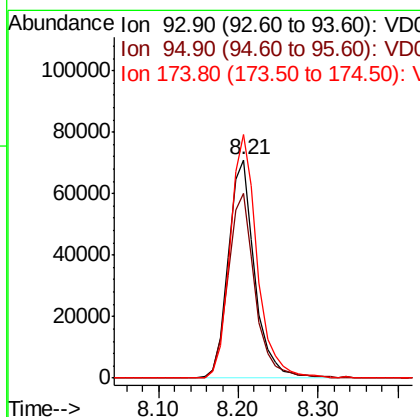
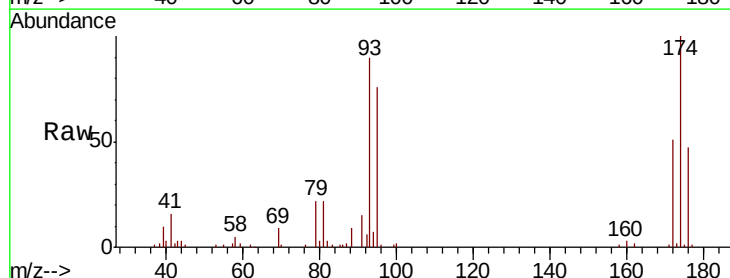
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

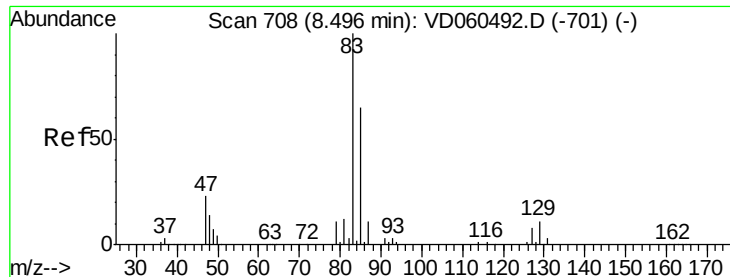
Tot Ion: 63 Resp: 294642
Ion Ratio Lower Upper
63 100
65 28.8 24.6 37.0



#46
Dibromomethane
Concen: 20.081 ug/l
RT: 8.21 min Scan# 679
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion: 93 Resp: 164596
Ion Ratio Lower Upper
93 100
95 84.5 65.6 98.4
174 111.4 91.7 137.5





#47

Bromodichloromethane

Concen: 20.595 ug/l

RT: 8.48 min Scan# 707

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

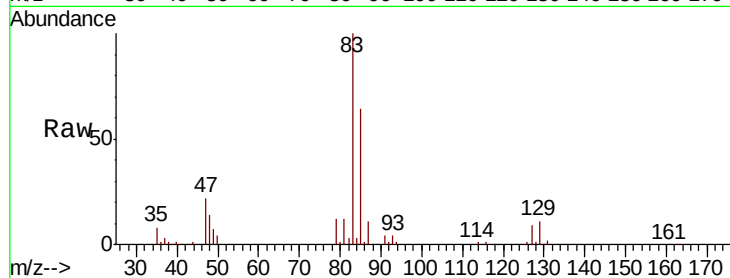
Tot Ion: 83 Resp: 400533

Ion Ratio Lower Upper

83 100

85 63.6 52.2 78.4

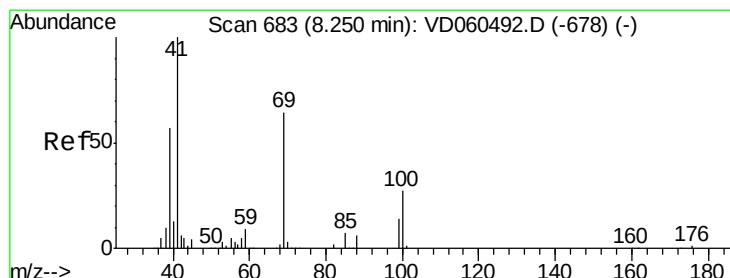
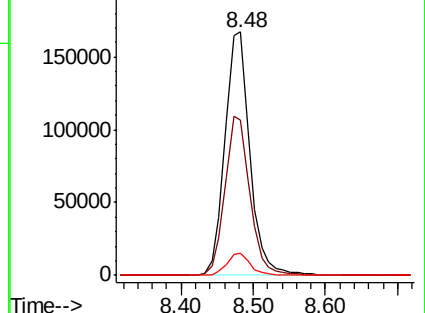
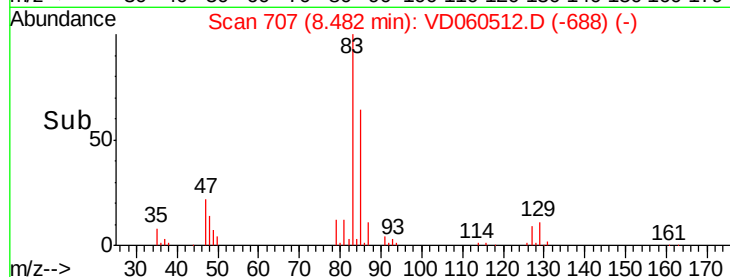
127 9.4 6.7 10.1



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: 21.401 ug/l

RT: 8.24 min Scan# 682

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

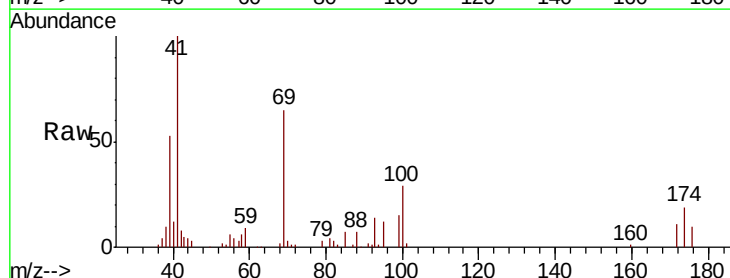
Tgt Ion: 41 Resp: 152150

Ion Ratio Lower Upper

41 100

69 64.9 50.2 75.4

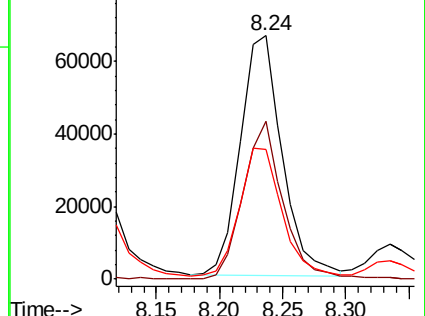
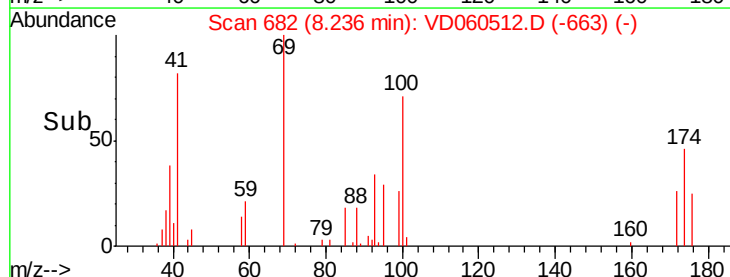
39 53.4 46.1 69.1

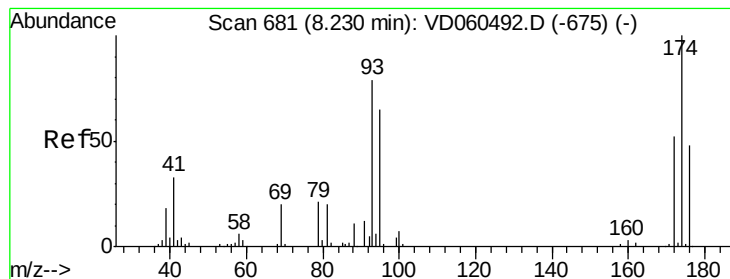


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 410.907 ug/l

RT: 8.22 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBSD01

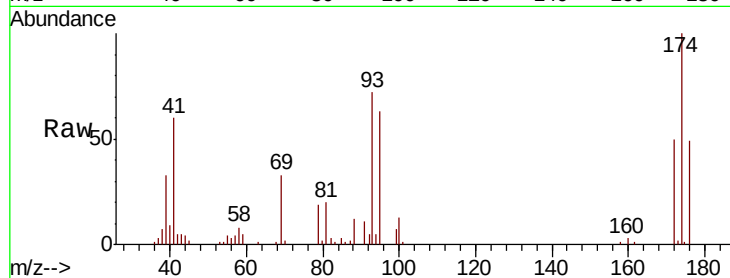
Tot Ion: 88 Resp: 26477

Ion Ratio Lower Upper

88 100

43 43.0 32.9 49.3

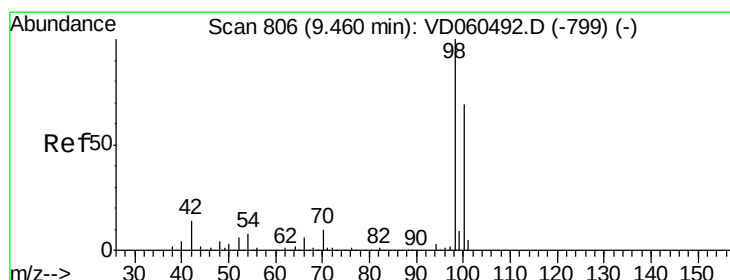
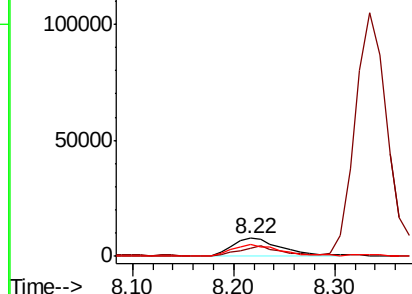
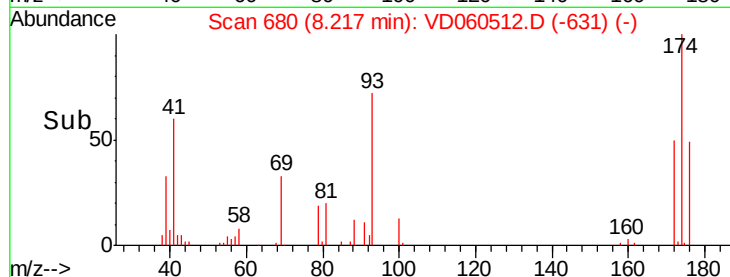
58 66.3 47.7 71.5



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: 410.907 ug/l

RT: 9.44 min Scan# 804

Delta R.T. -0.02 min

Lab File: VD060512.D

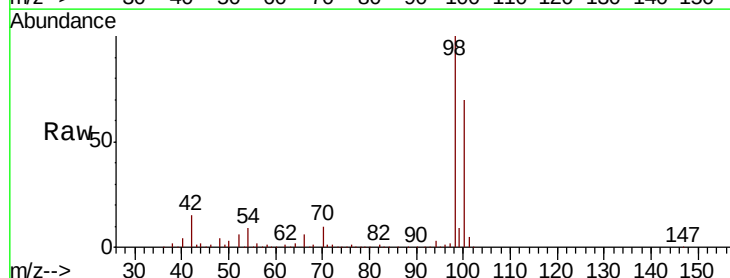
Acq: 7 Dec 2018 12:25

Tgt Ion: 98 Resp: 2398652

Ion Ratio Lower Upper

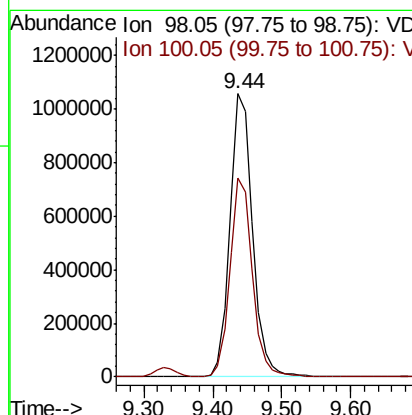
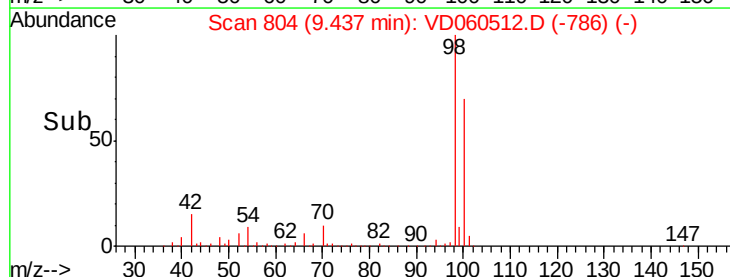
98 100

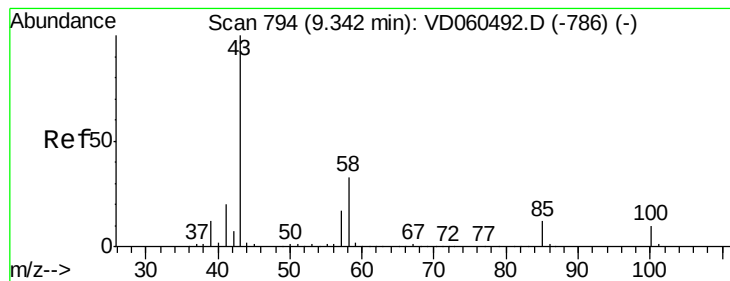
100 70.1 55.7 83.5



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: 102.741 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

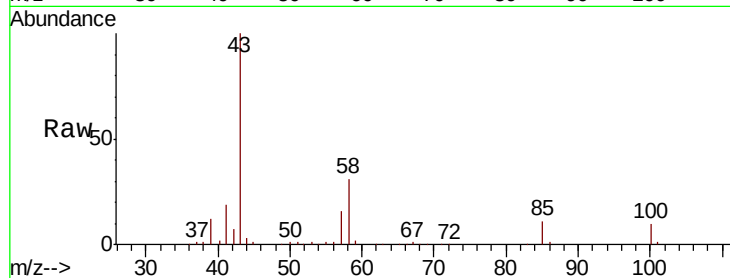
VD1207SBS01

Tot Ion: 43 Resp: 767900

Ion Ratio Lower Upper

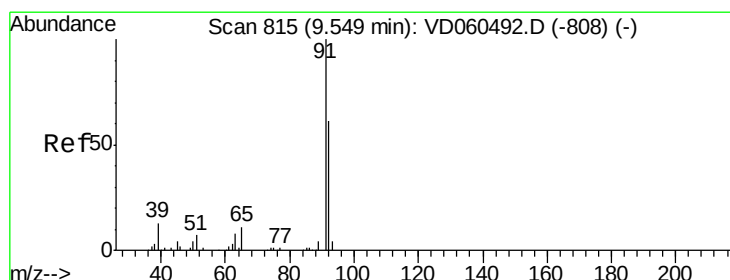
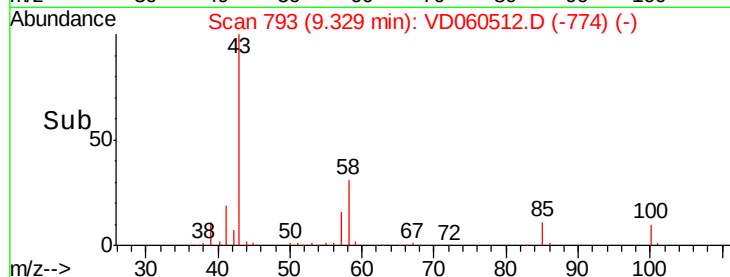
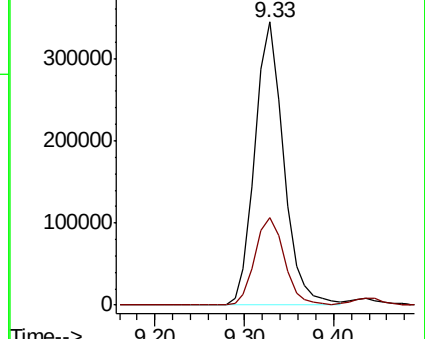
43 100

58 31.0 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.722 ug/l

RT: 9.54 min Scan# 814

Delta R.T. -0.01 min

Lab File: VD060512.D

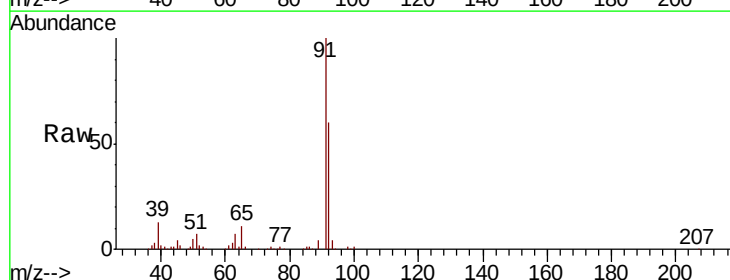
Acq: 7 Dec 2018 12:25

Tgt Ion: 92 Resp: 742903

Ion Ratio Lower Upper

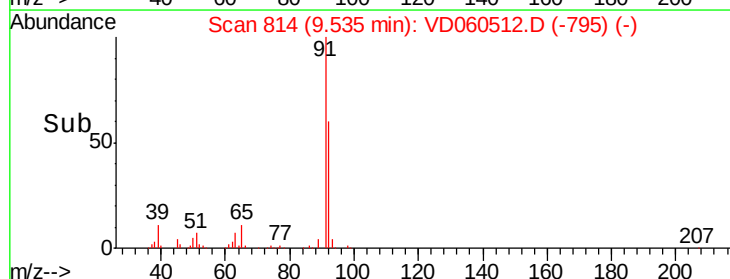
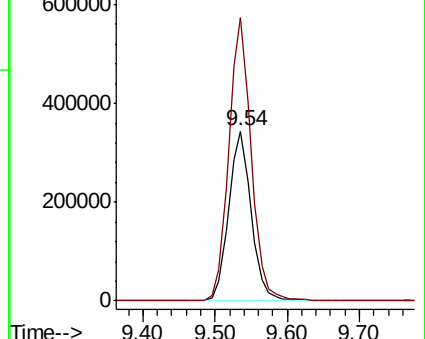
92 100

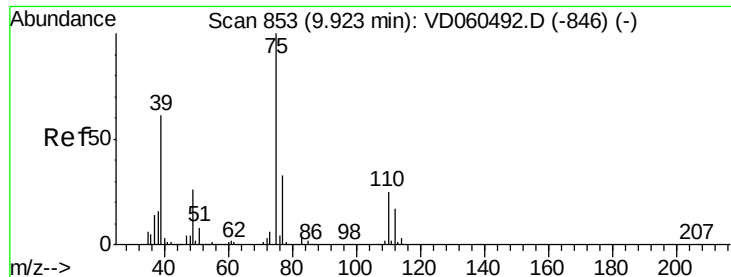
91 167.0 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.364 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.02 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

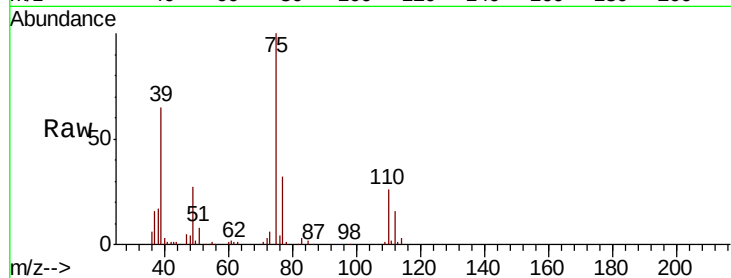
VD1207SBSD01

Tot Ion: 75 Resp: 325429

Ion Ratio Lower Upper

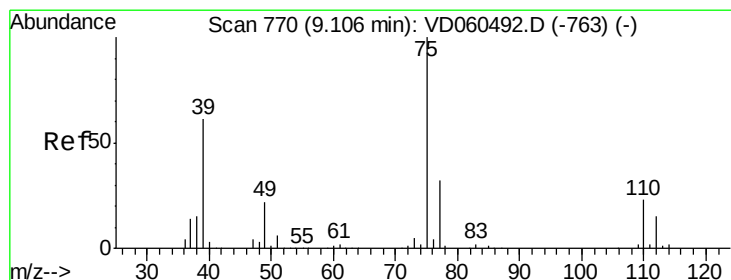
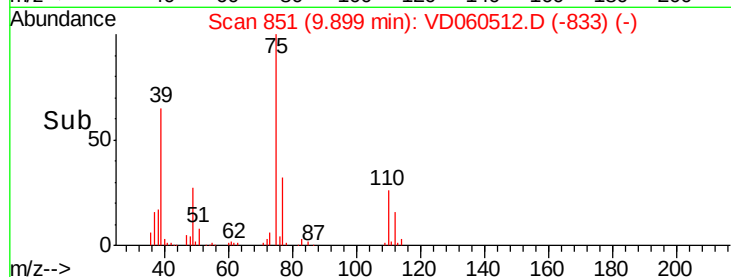
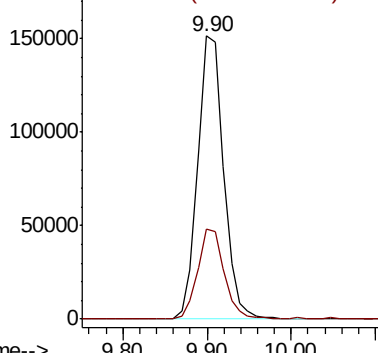
75 100

77 31.8 26.2 39.2



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: 20.422 ug/l

RT: 9.09 min Scan# 769

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

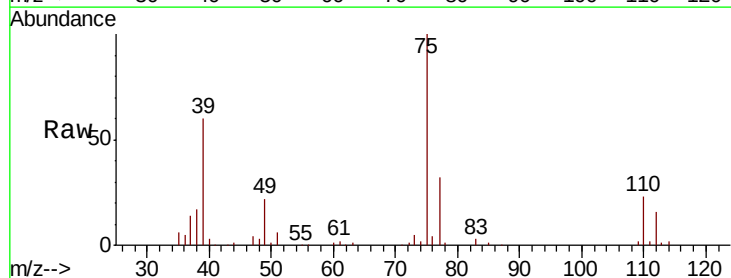
Tgt Ion: 75 Resp: 428787

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

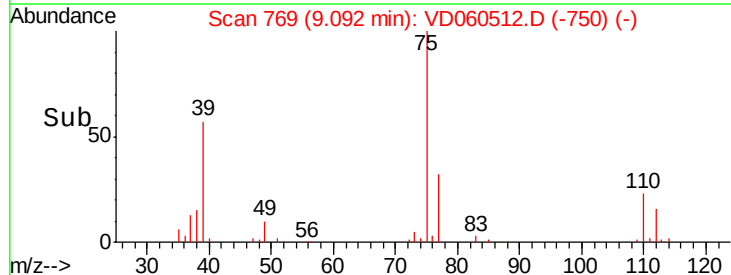
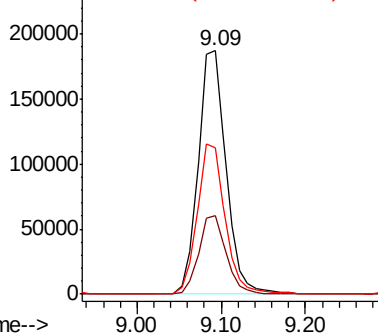
39 60.0 48.6 73.0

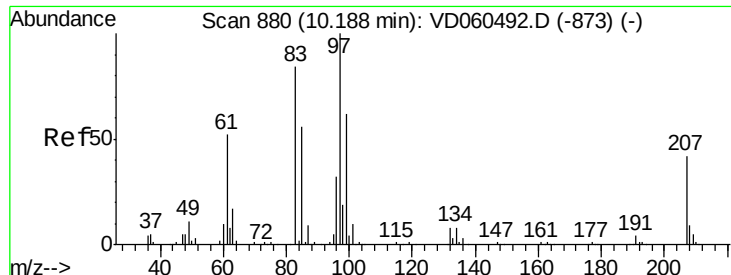


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

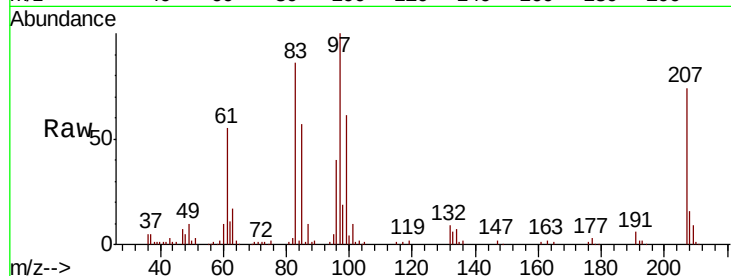




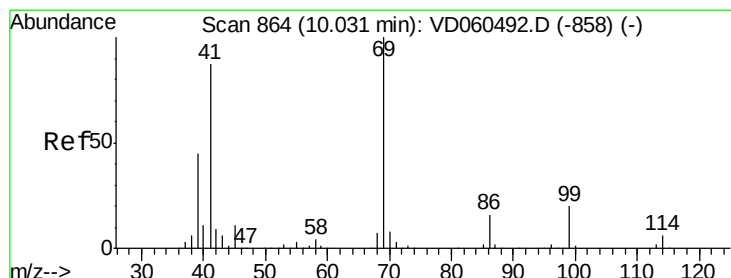
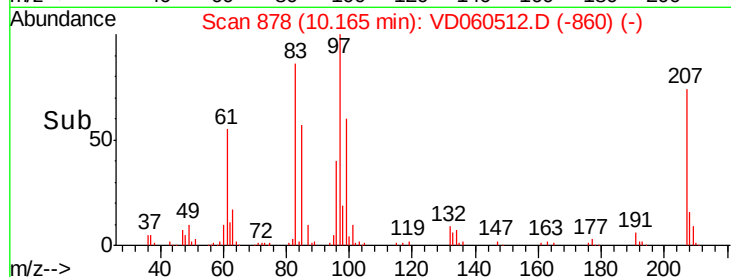
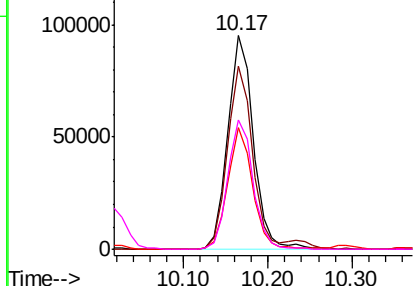
#55
 1,1,2-Trichloroethane
 Concen: 20.125 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion:	97	Resp:	200931
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.2	100.8
85	56.7	44.5	66.7
99	60.5	49.3	73.9

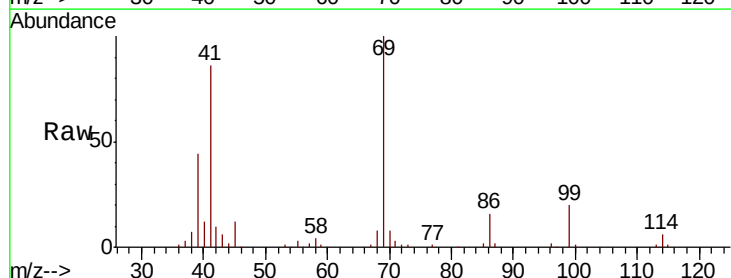


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

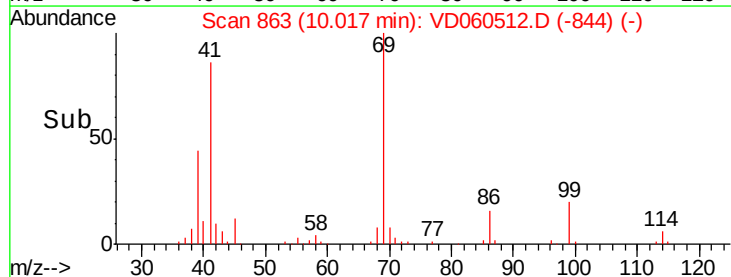
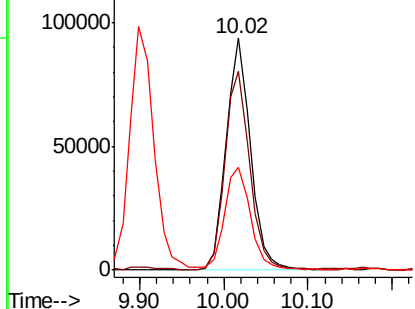


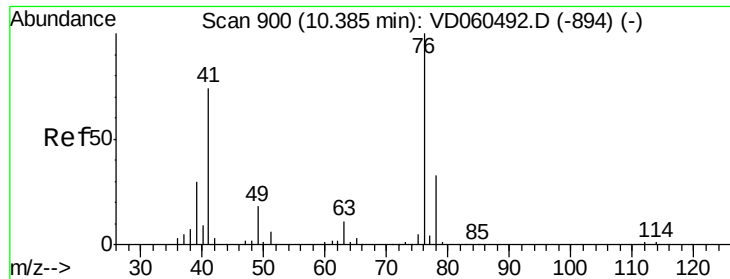
#56
 Ethyl methacrylate
 Concen: 20.903 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion:	69	Resp:	188870
Ion	Ratio	Lower	Upper
69	100		
41	85.7	69.8	104.8
39	44.2	37.5	56.3



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

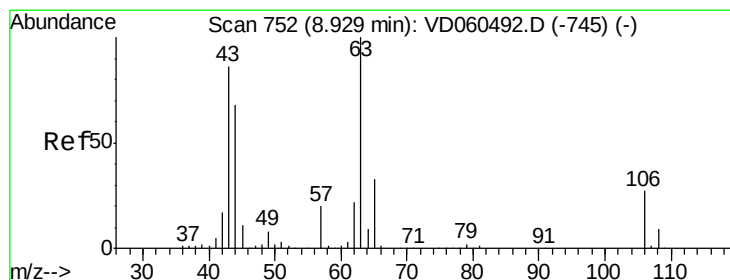
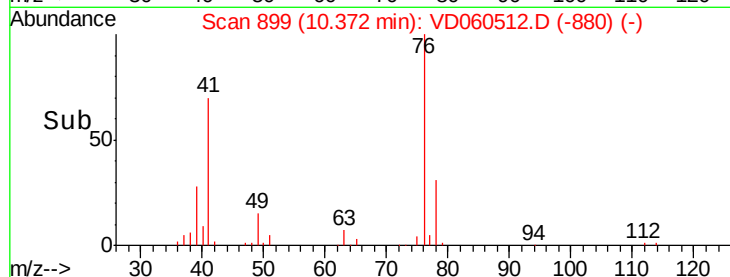
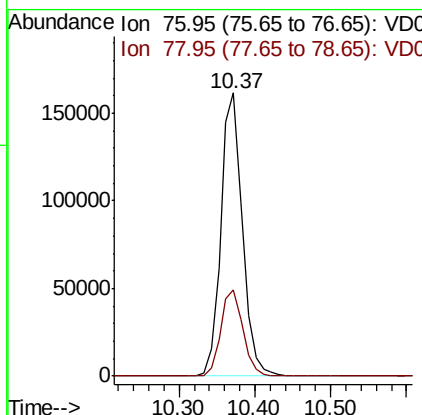
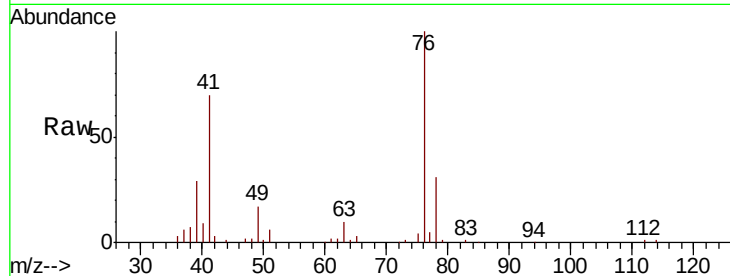




#57
 1,3-Dichloropropane
 Concen: 20.641 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

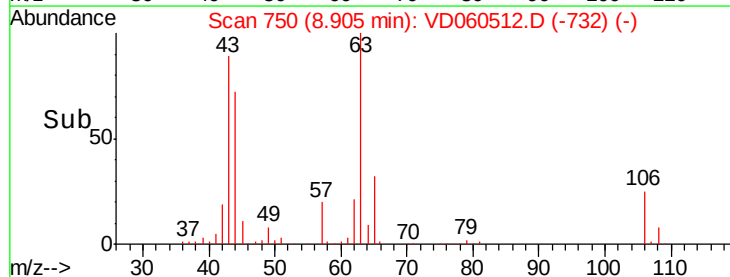
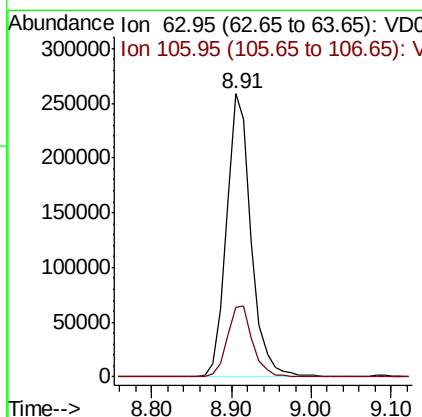
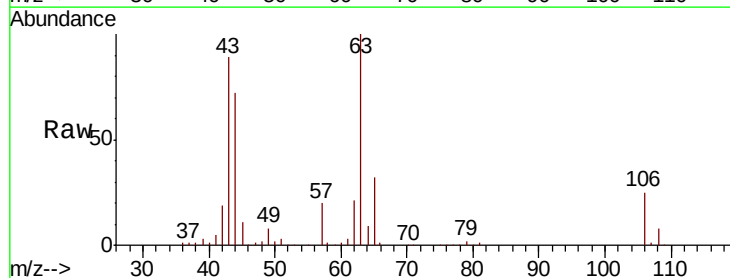
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBSD01

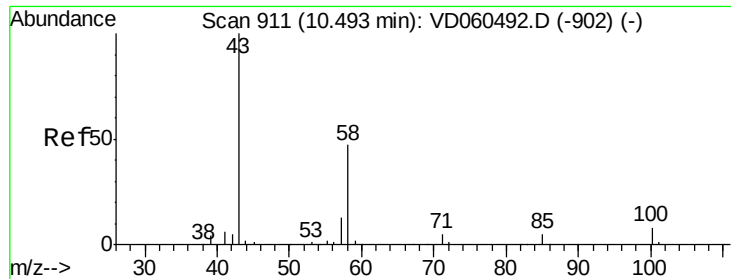
Tot Ion: 76 Resp: 318577
 Ion Ratio Lower Upper
 76 100
 78 30.7 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.467 ug/l
 RT: 8.91 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion: 63 Resp: 559391
 Ion Ratio Lower Upper
 63 100
 106 24.8 21.6 32.4

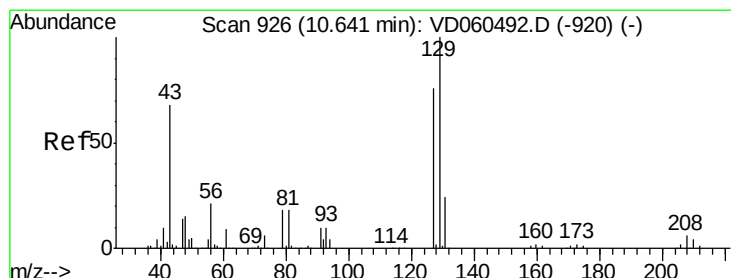
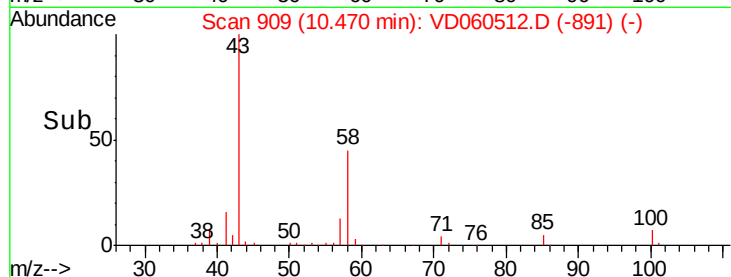
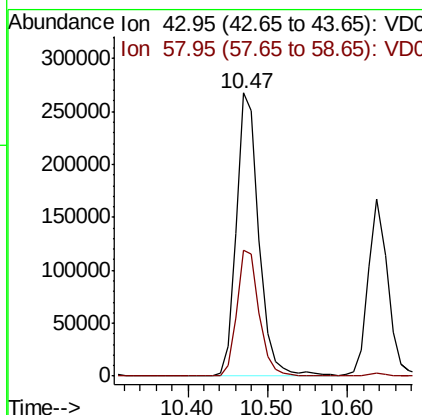
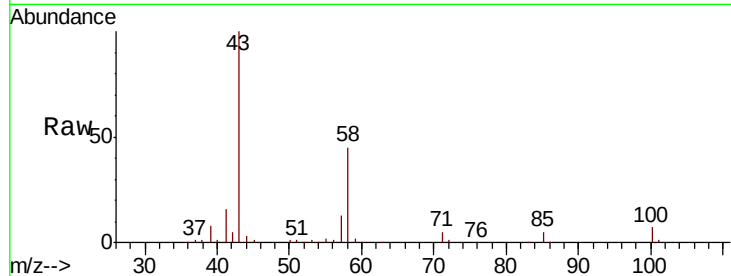




#59
2-Hexanone
Concen: 101.035 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

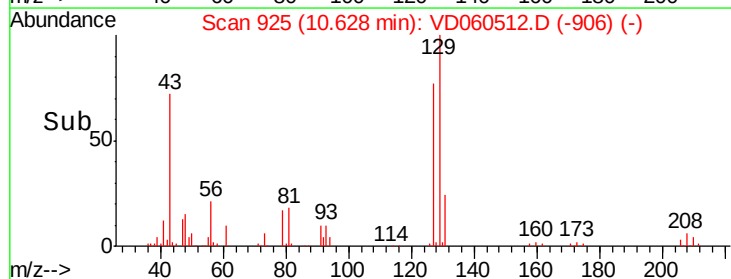
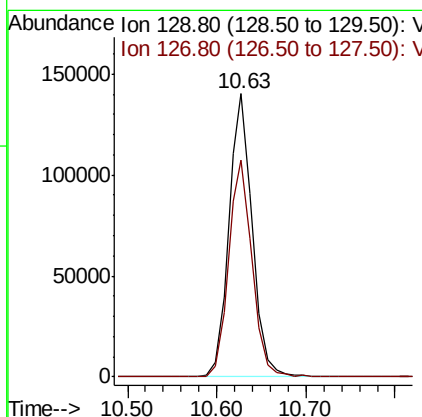
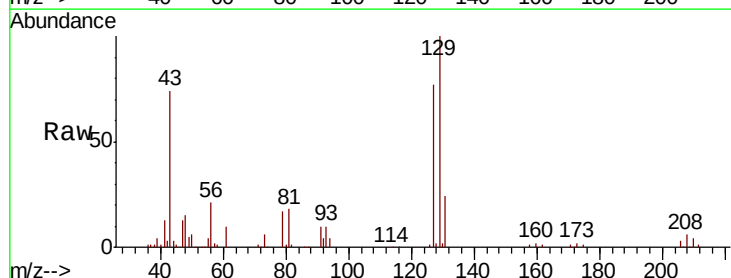
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBSD01

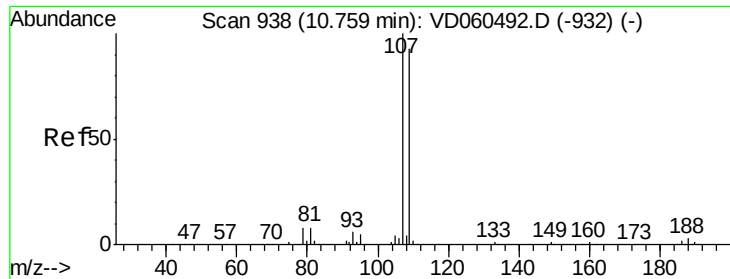
Tot Ion: 43 Resp: 527835
Ion Ratio Lower Upper
43 100
58 44.7 23.4 70.2



#60
Dibromochloromethane
Concen: 20.636 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion: 129 Resp: 257589
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.863 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

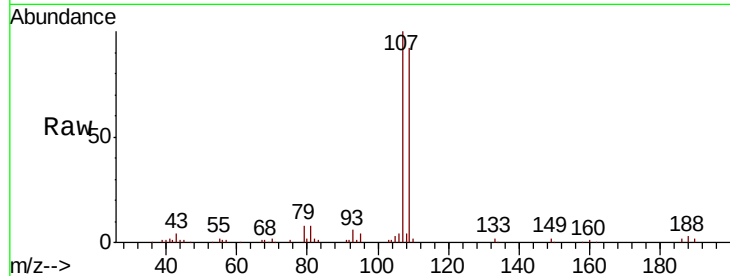
VD1207SBSD01

Tot Ion:107 Resp: 212278

Ion Ratio Lower Upper

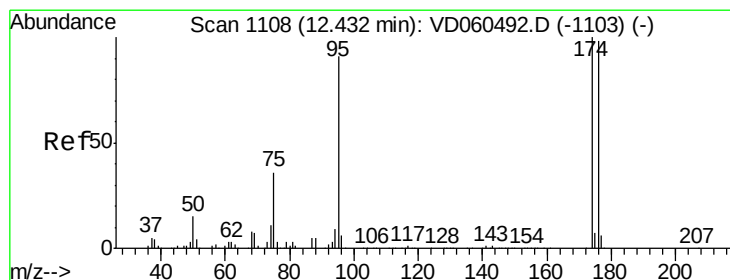
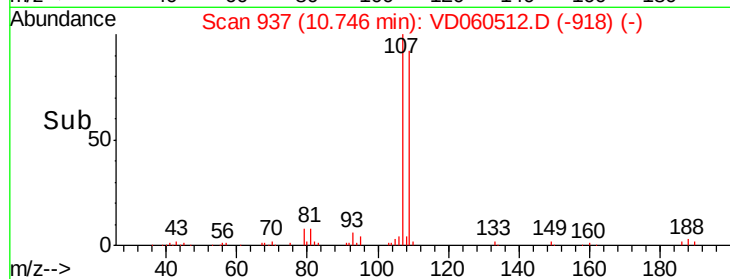
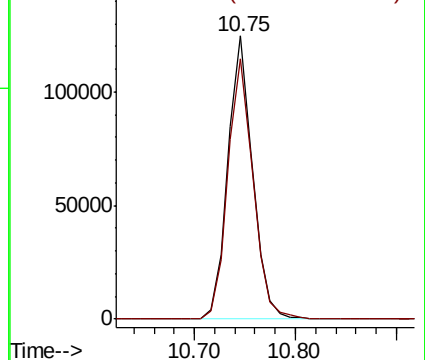
107 100

109 91.8 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.863 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

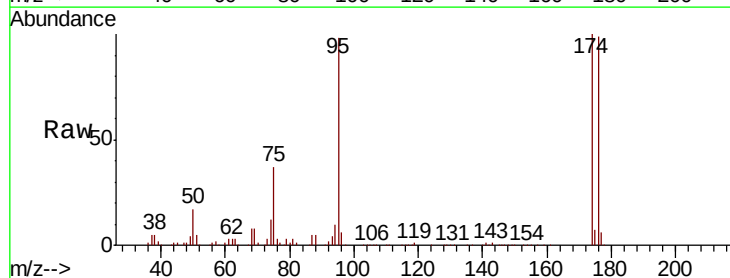
Tgt Ion: 95 Resp: 825538

Ion Ratio Lower Upper

95 100

174 102.3 0.0 219.4

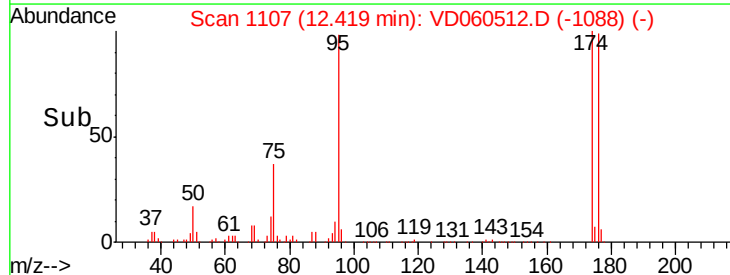
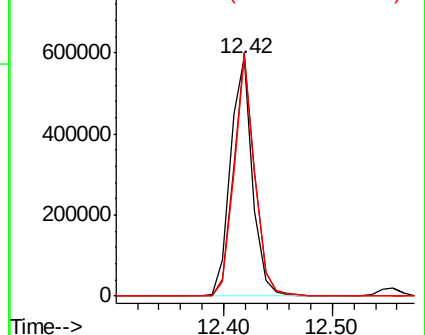
176 101.5 0.0 214.6

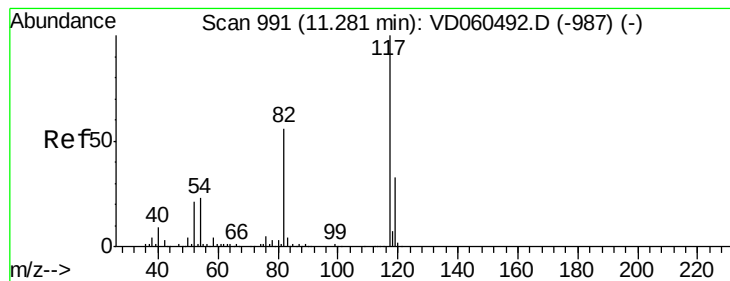


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.27 min Scan# 990

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBSD01

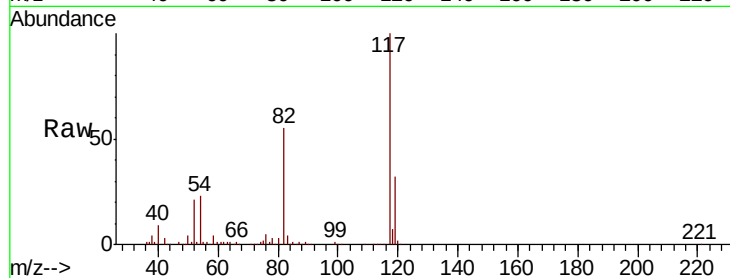
Tot Ion:117 Resp: 1848100

Ion Ratio Lower Upper

117 100

82 55.0 45.2 67.8

119 32.4 26.1 39.1

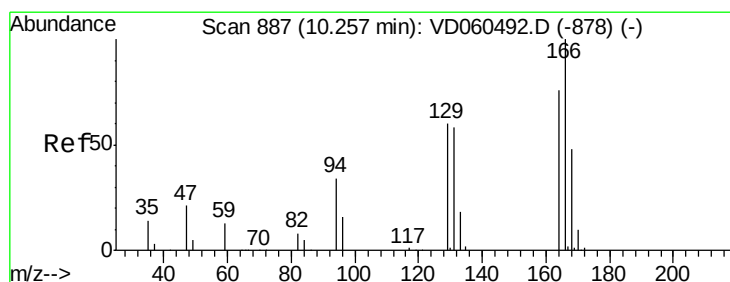
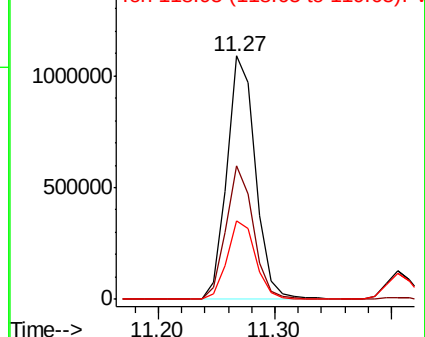
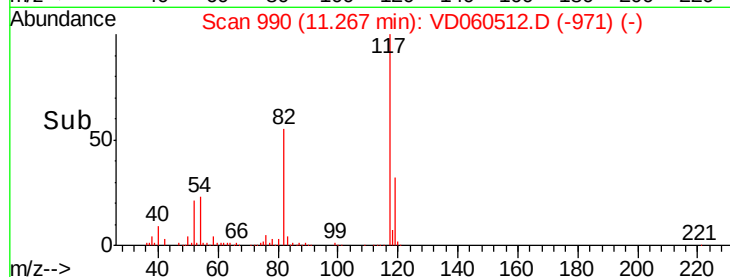


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 19.678 ug/l

RT: 10.23 min Scan# 885

Delta R.T. -0.02 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Tgt Ion:164 Resp: 322024

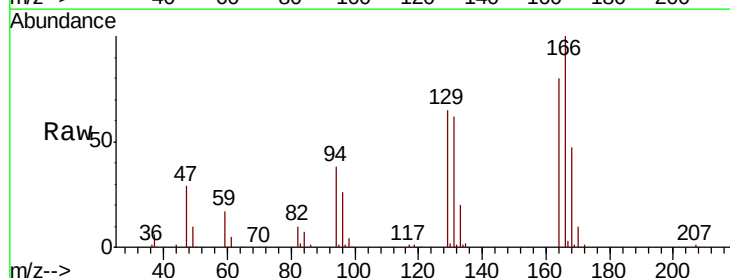
Ion Ratio Lower Upper

164 100

166 125.7 105.0 157.6

129 81.2 63.0 94.4

131 78.2 60.6 90.8



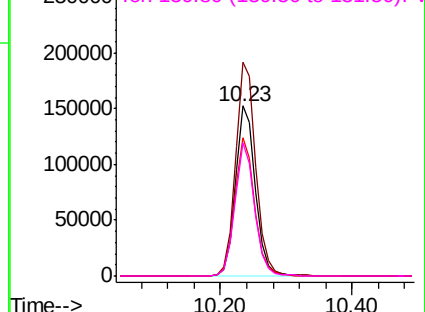
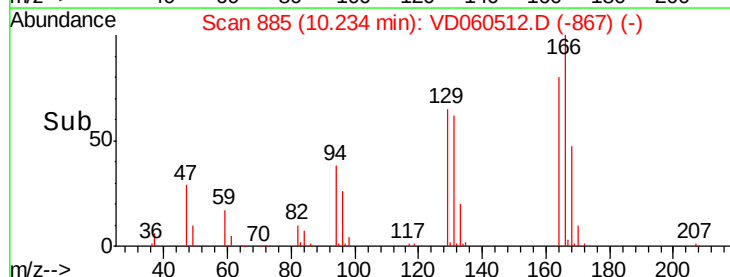
Abundance

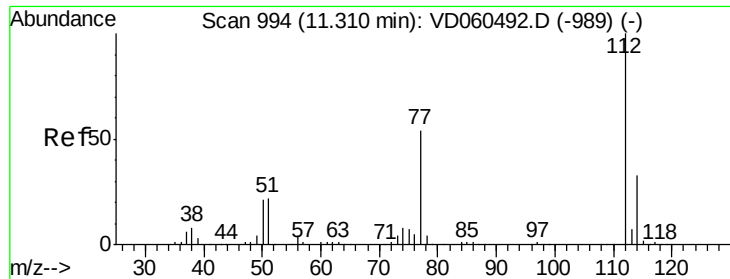
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

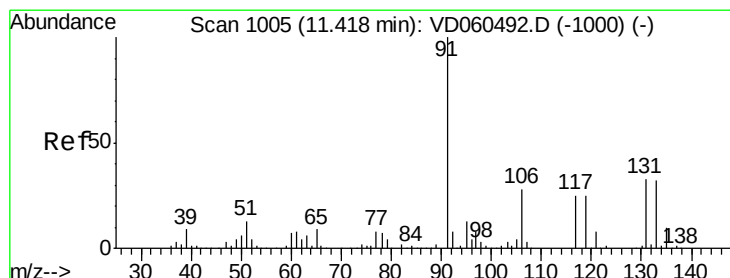
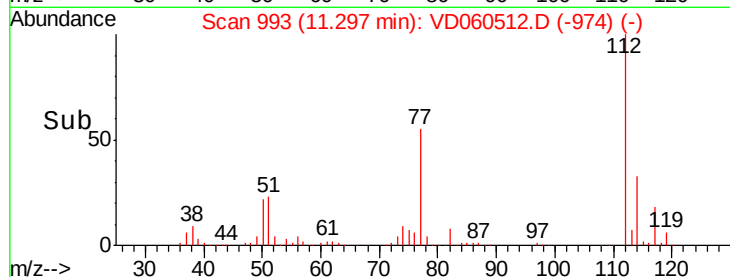
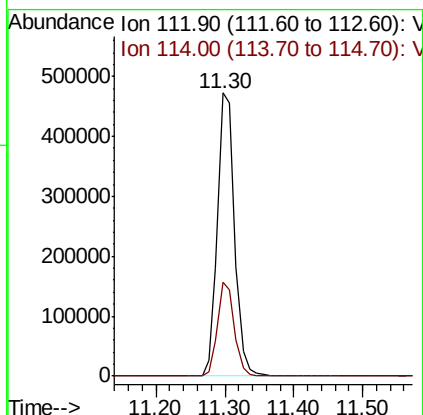
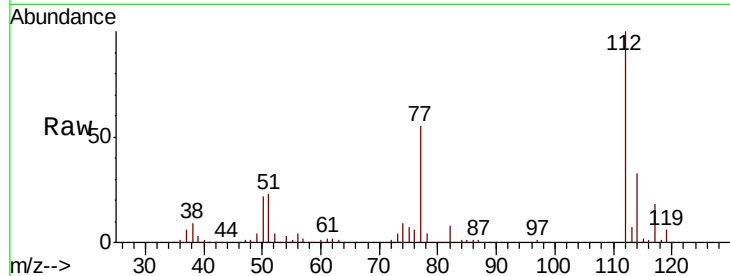




#65
Chlorobenzene
Concen: 20.939 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

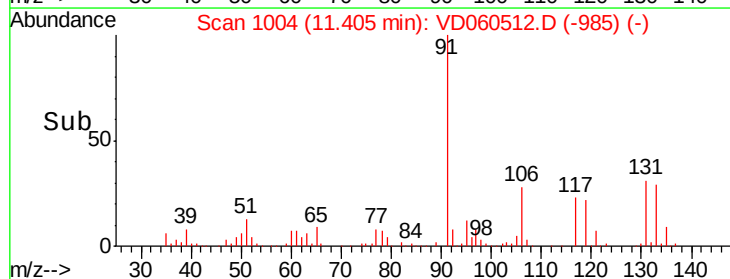
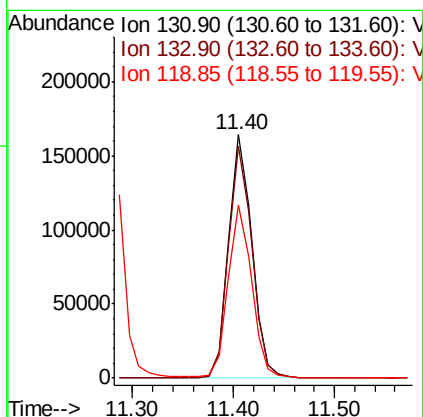
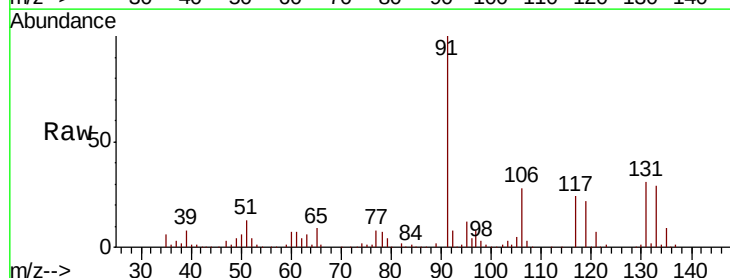
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBSD01

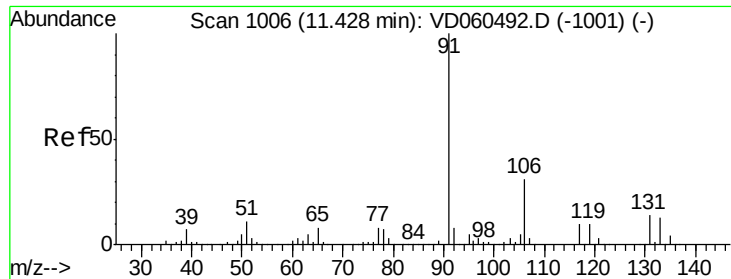
Tot Ion:112 Resp: 818672
Ion Ratio Lower Upper
112 100
114 33.4 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.851 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion:131 Resp: 262763
Ion Ratio Lower Upper
131 100
133 95.4 49.1 147.3
119 71.0 37.5 112.3

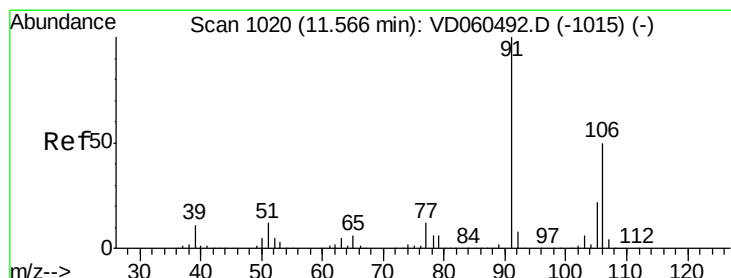
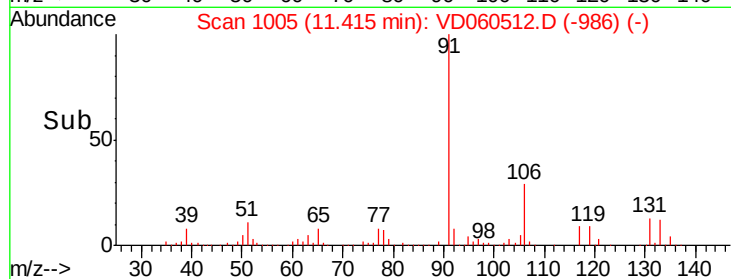
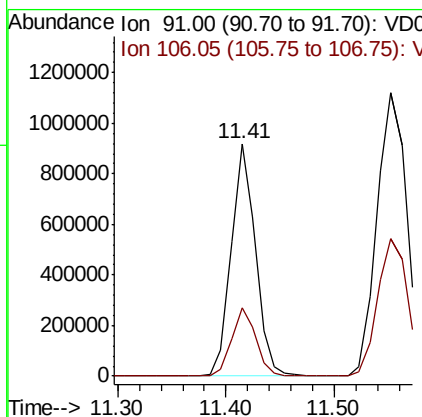
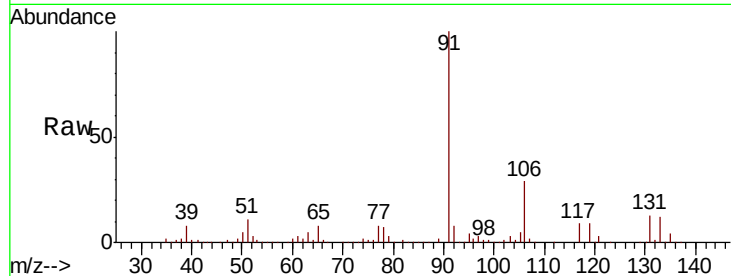




#67
Ethyl Benzene
Concen: 21.546 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

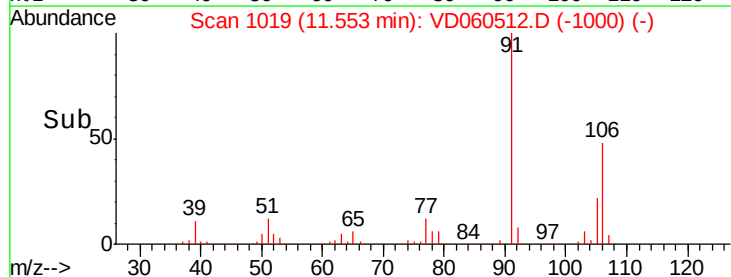
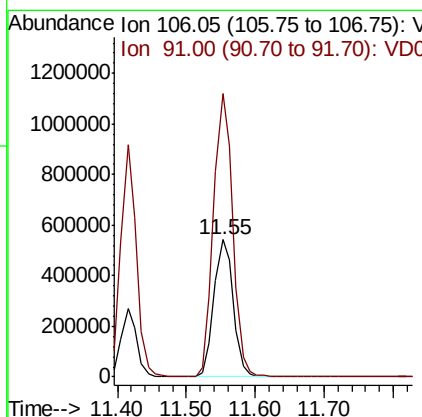
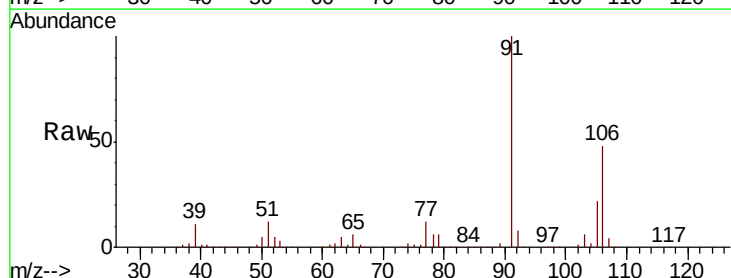
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBSD01

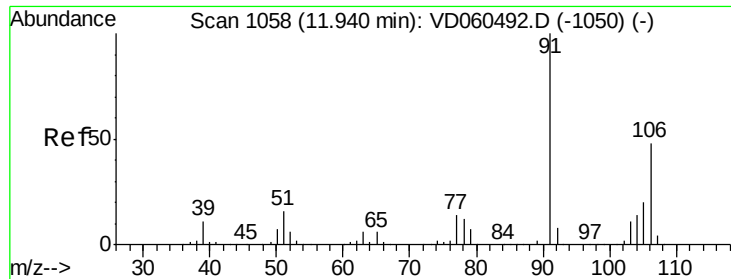
Tot Ion: 91 Resp: 1436877
Ion Ratio Lower Upper
91 100
106 29.3 24.6 37.0



#68
m/p-Xylenes
Concen: 42.716 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion: 106 Resp: 1053877
Ion Ratio Lower Upper
106 100
91 206.4 160.5 240.7

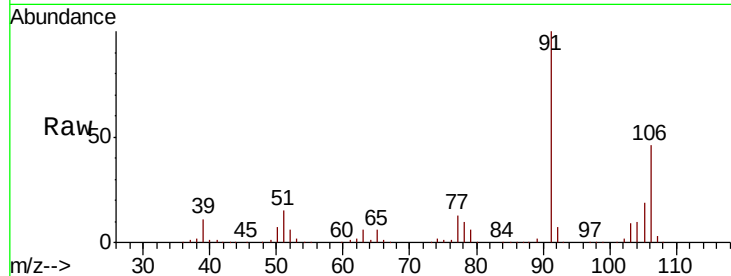




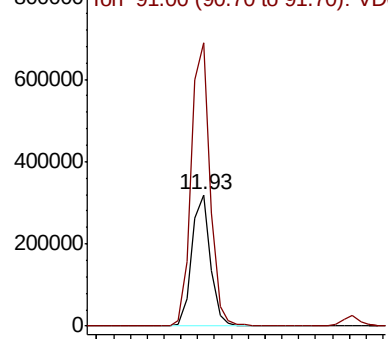
#69
o-Xylene
Concen: 20.927 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

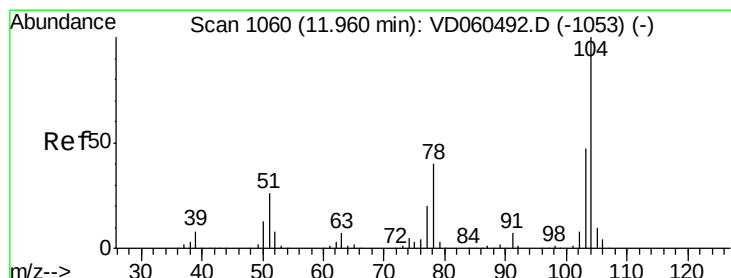
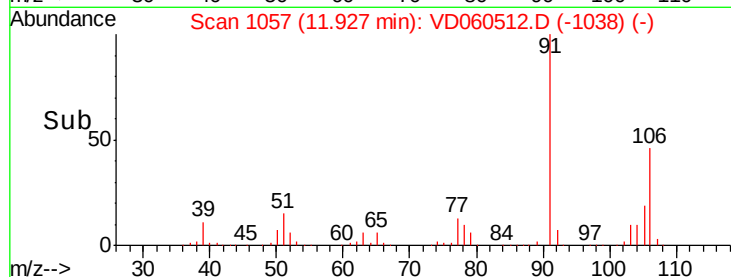
Tot Ion:106 Resp: 492038
Ion Ratio Lower Upper
106 100
91 215.4 103.4 310.1



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

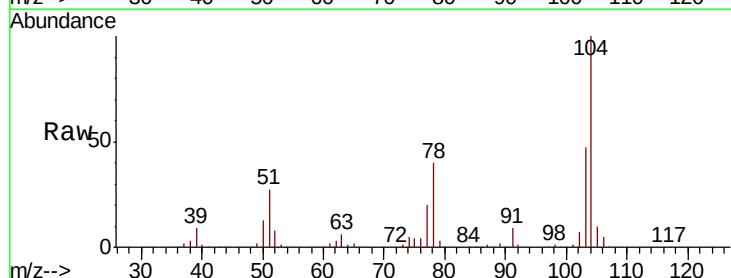


Time--> 11.80 11.90 12.00 12.10

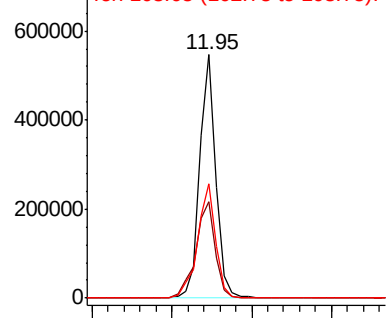


#70
Styrene
Concen: 20.748 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

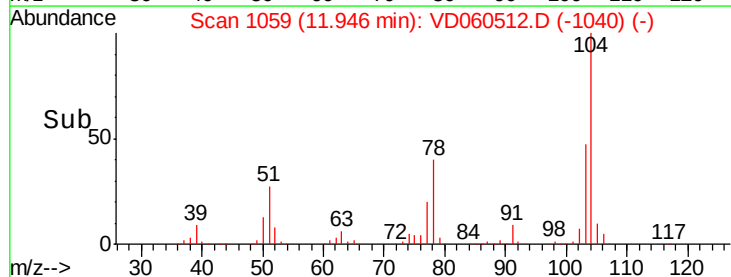
Tgt Ion:104 Resp: 783035
Ion Ratio Lower Upper
104 100
78 39.5 32.1 48.1
103 46.9 37.2 55.8

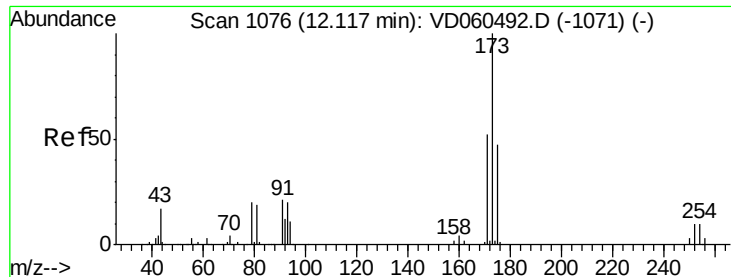


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time--> 11.80 11.90 12.00 12.10





#71

Bromoform

Concen: 19.362 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBSD01

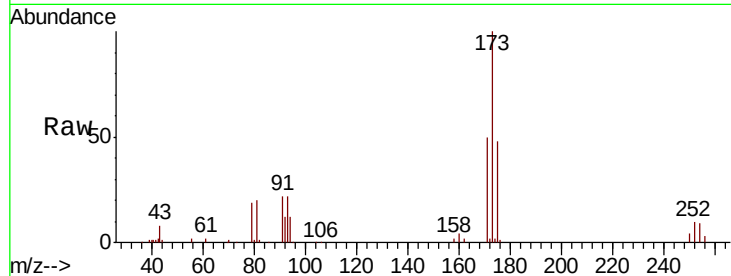
Tot Ion:173 Resp: 162784

Ion Ratio Lower Upper

173 100

175 47.6 23.5 70.6

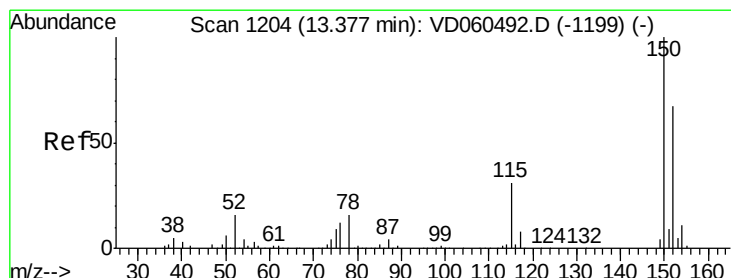
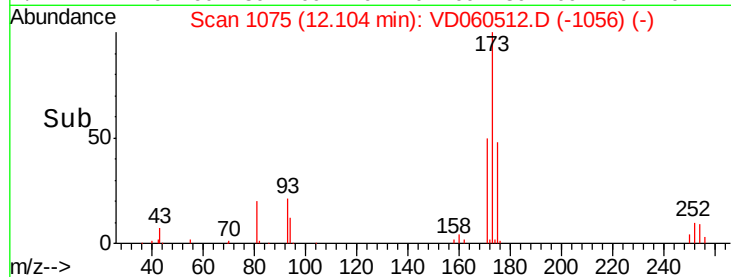
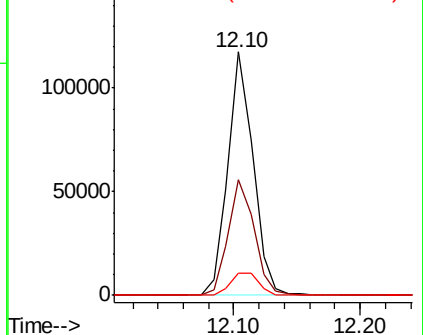
254 9.0 7.8 11.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

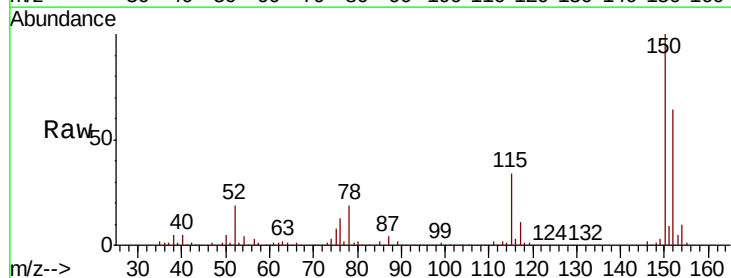
Tgt Ion:152 Resp: 934571

Ion Ratio Lower Upper

152 100

115 52.4 24.6 74.0

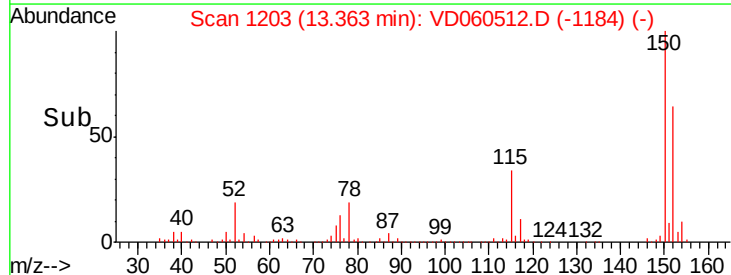
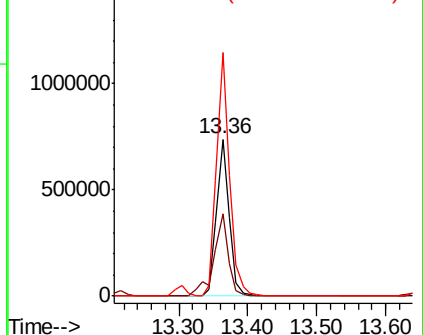
150 155.1 0.0 309.0

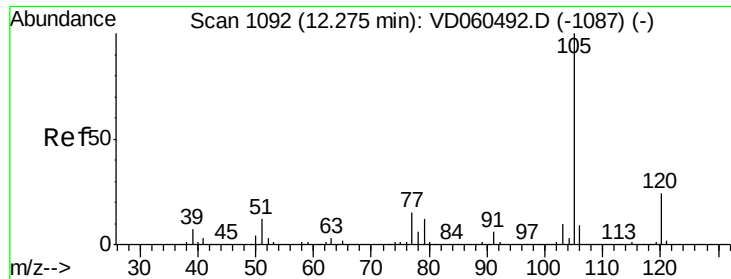


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.577 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

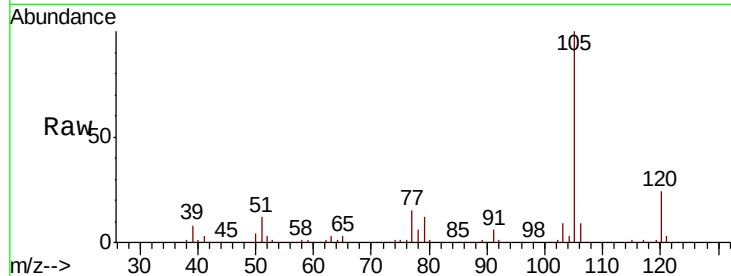
VD1207SBSD01

Tot Ion:105 Resp: 1360827

Ion Ratio Lower Upper

105 100

120 23.6 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1000000

800000

600000

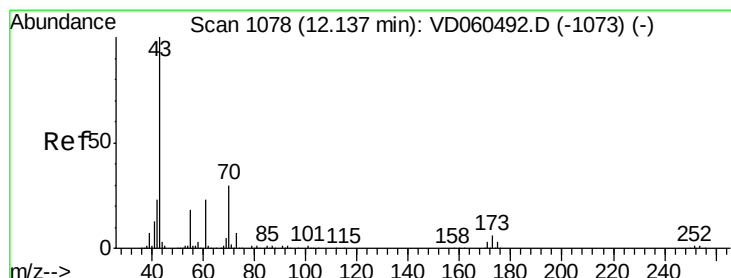
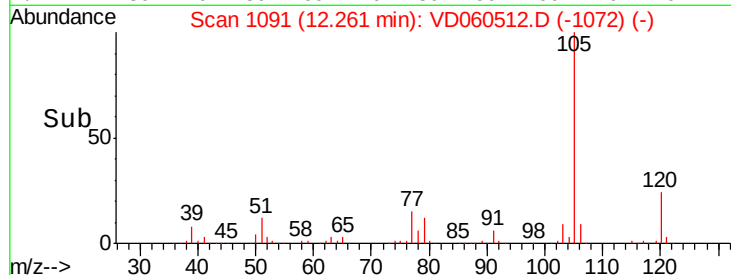
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 19.542 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Tgt Ion: 43 Resp: 312340

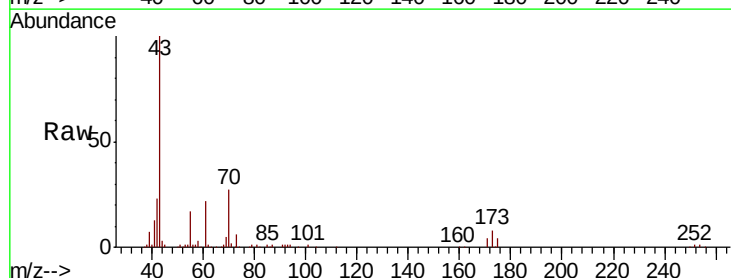
Ion Ratio Lower Upper

43 100

70 27.0 23.8 35.8

55 17.3 14.2 21.2

61 22.3 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

300000

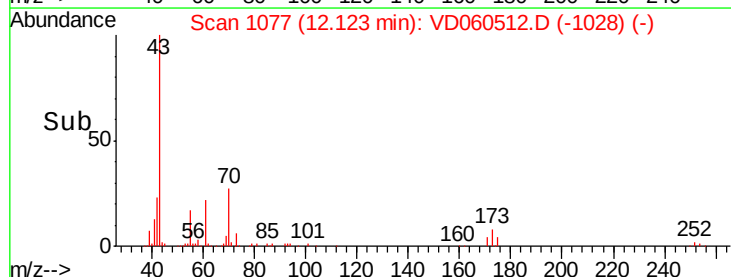
200000

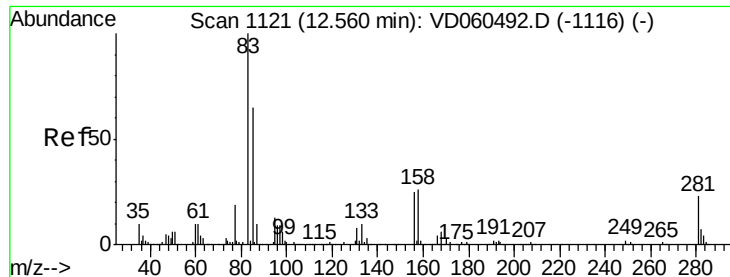
100000

0

12.00 12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.761 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

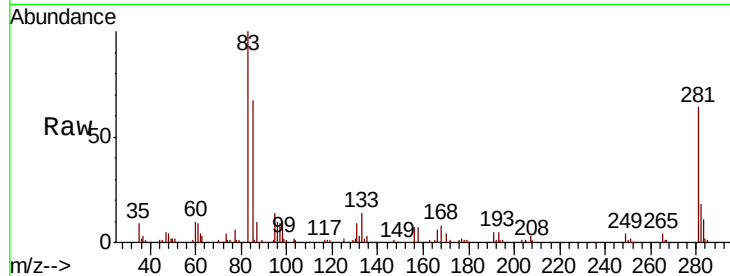
Tot Ion: 83 Resp: 209215

Ion Ratio Lower Upper

83 100

131 8.8 3.8 11.4

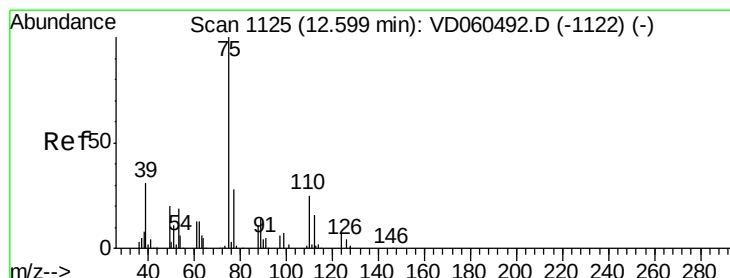
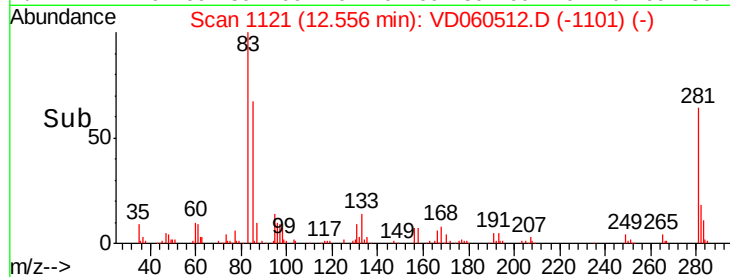
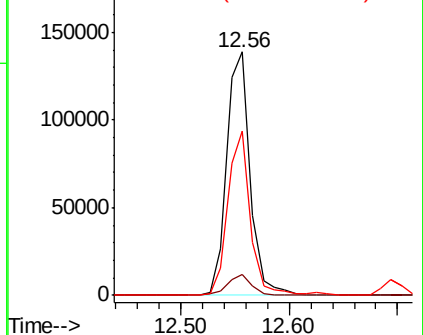
85 67.2 32.3 96.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.142 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VD060512.D

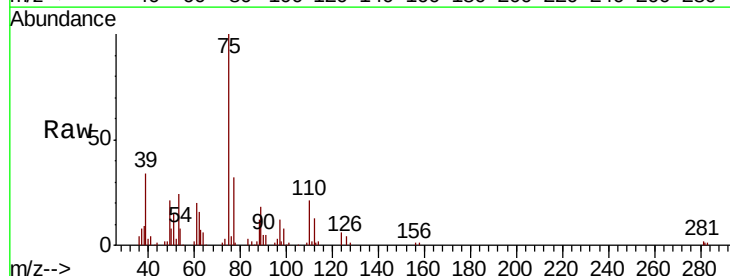
Acq: 7 Dec 2018 12:25

Tgt Ion: 75 Resp: 202696

Ion Ratio Lower Upper

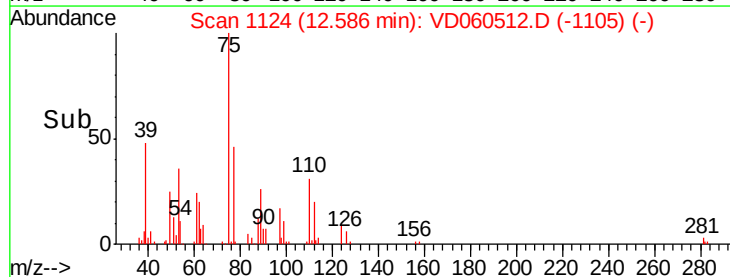
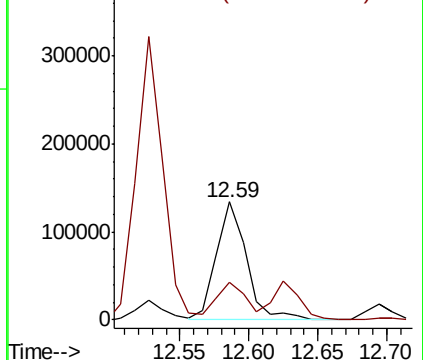
75 100

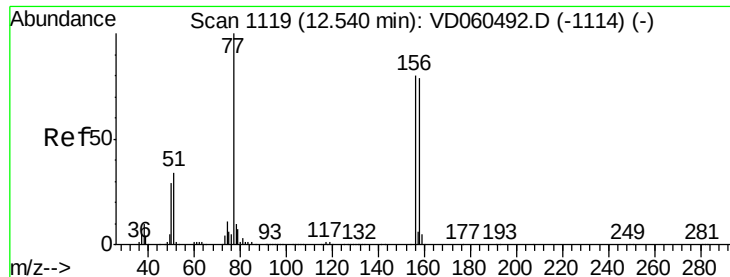
77 31.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

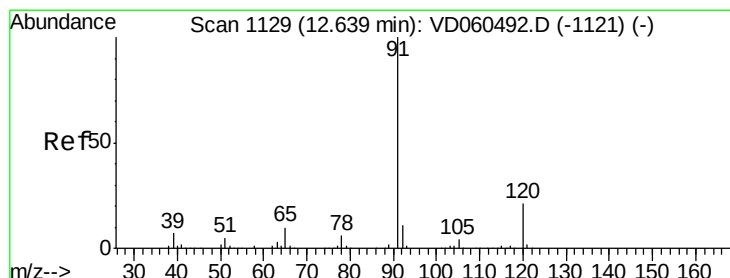
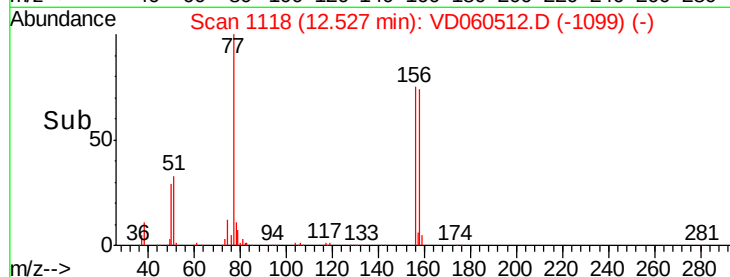
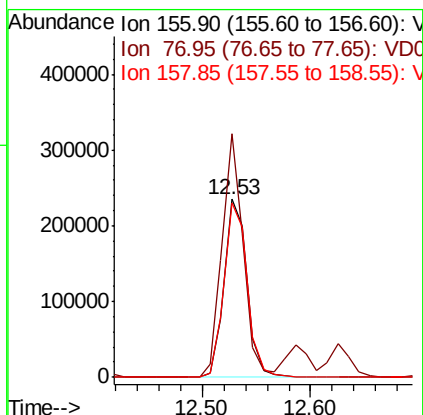
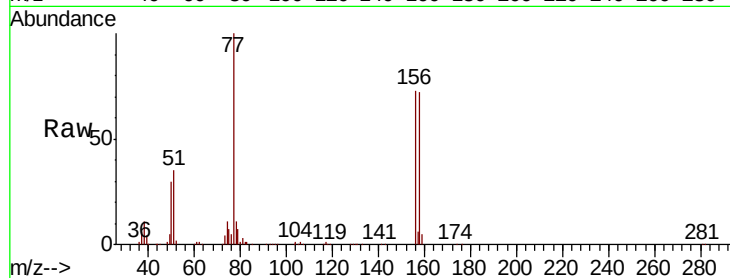




#77
Bromobenzene
Concen: 19.833 ug/l
RT: 12.53 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

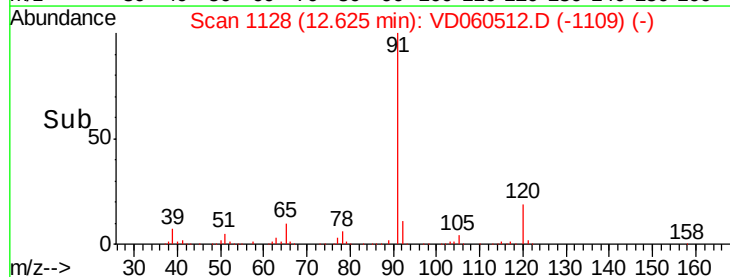
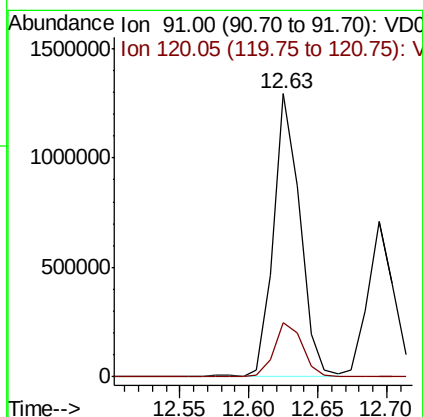
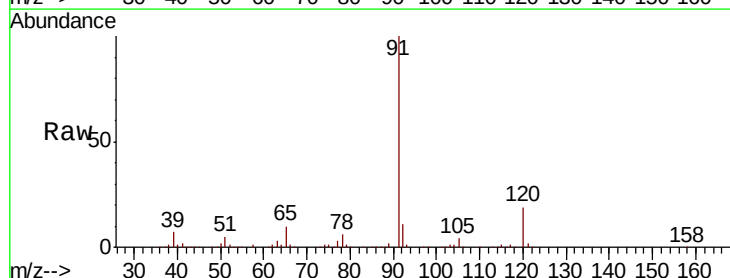
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

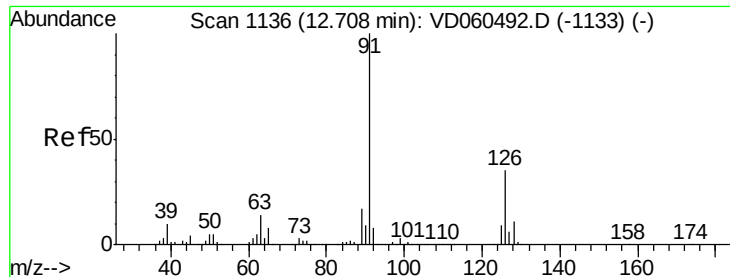
Tot Ion:156 Resp: 344767
Ion Ratio Lower Upper
156 100
77 136.6 62.5 187.6
158 98.0 49.4 148.2



#78
n-propylbenzene
Concen: 20.580 ug/l
RT: 12.63 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion: 91 Resp: 1720470
Ion Ratio Lower Upper
91 100
120 19.1 10.4 31.1





#79

2-Chlorotoluene

Concen: 20.766 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

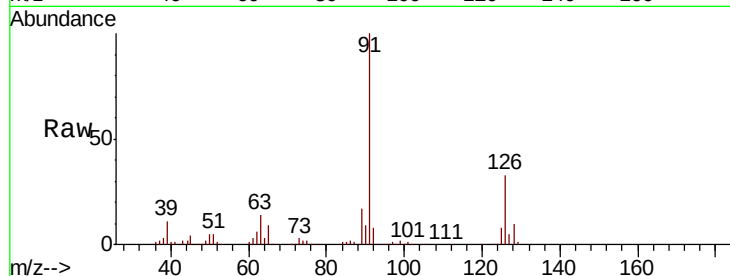
VD1207SBS01

Tot Ion: 91 Resp: 942012

Ion Ratio Lower Upper

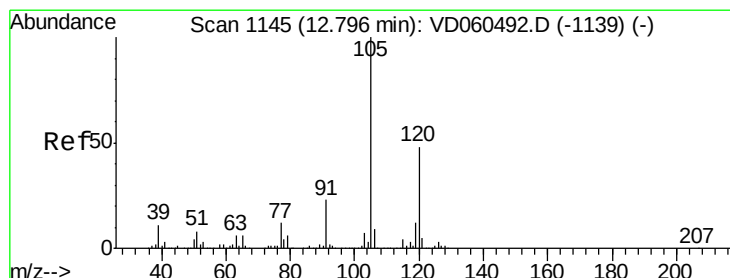
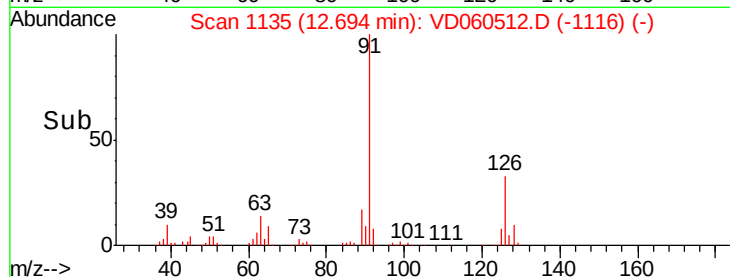
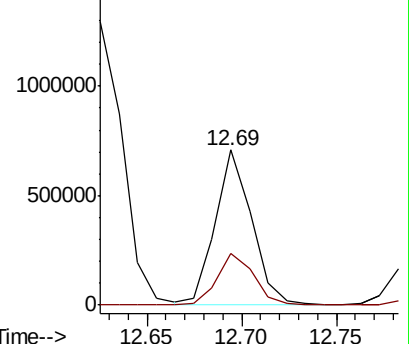
91 100

126 32.9 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.677 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD060512.D

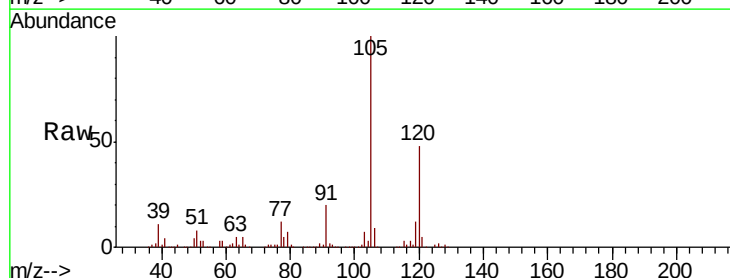
Acq: 7 Dec 2018 12:25

Tgt Ion:105 Resp: 1095412

Ion Ratio Lower Upper

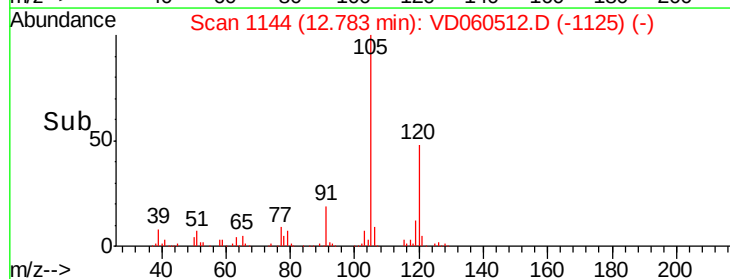
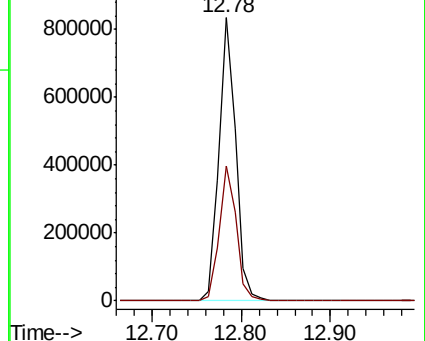
105 100

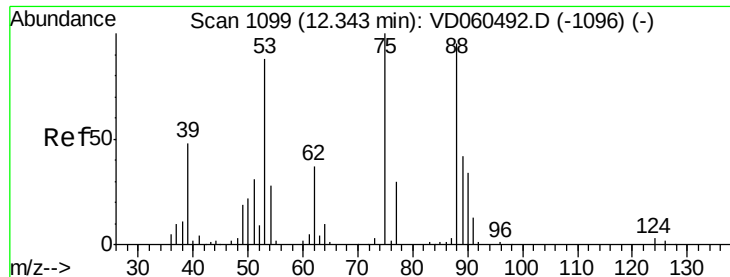
120 47.5 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.088 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBSD01

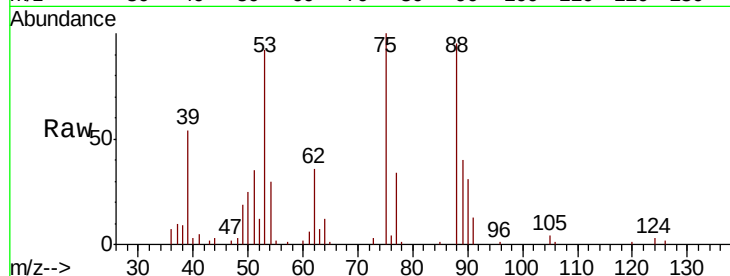
Tot Ion: 75 Resp: 56375

Ion Ratio Lower Upper

75 100

53 92.3 70.5 105.7

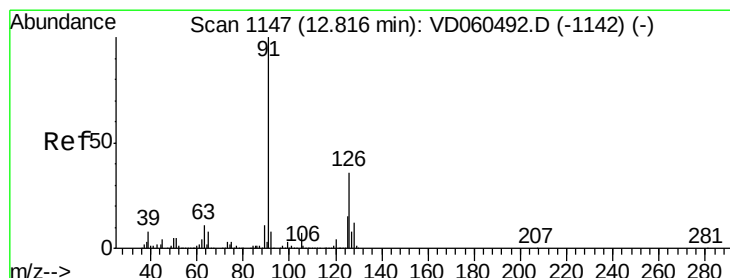
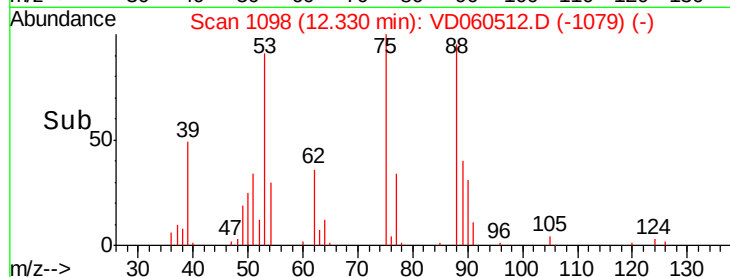
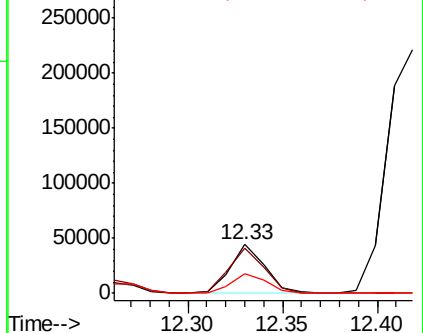
89 40.4 33.6 50.4



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: 21.374 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VD060512.D

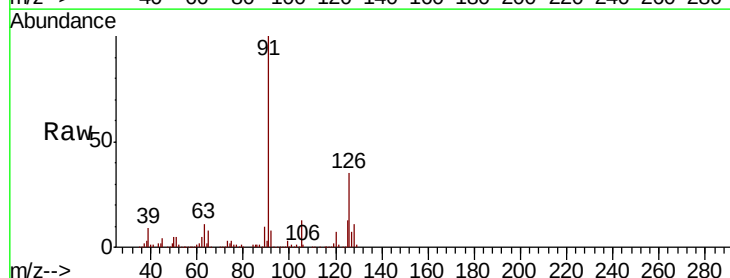
Acq: 7 Dec 2018 12:25

Tgt Ion: 91 Resp: 1089025

Ion Ratio Lower Upper

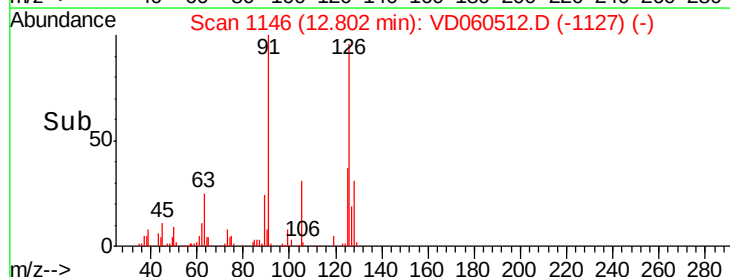
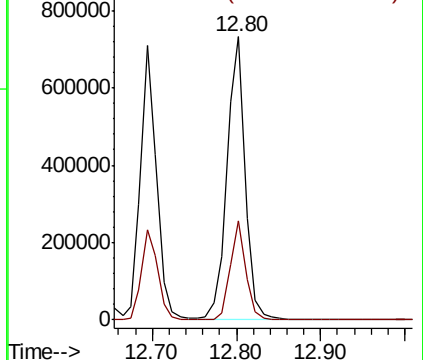
91 100

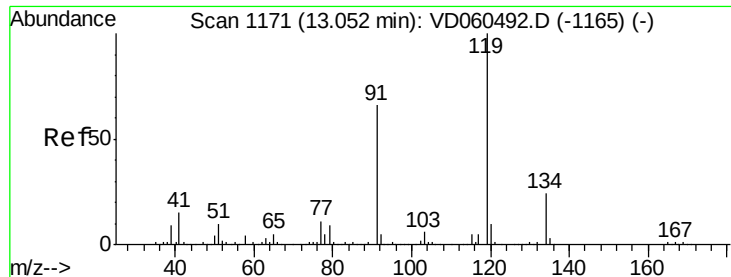
126 34.8 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

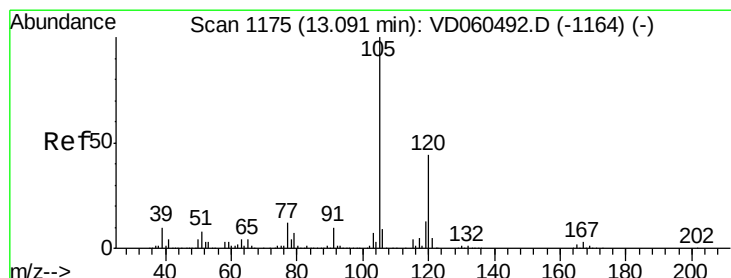
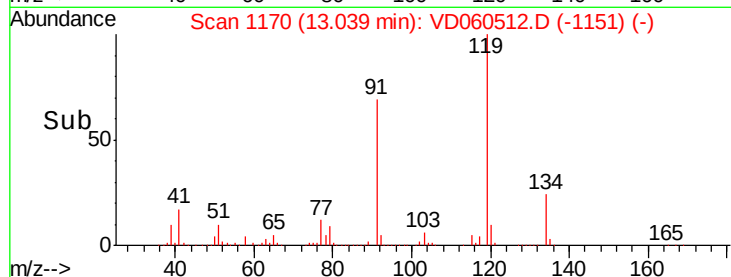
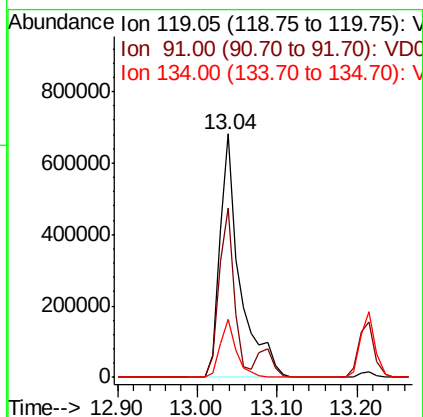
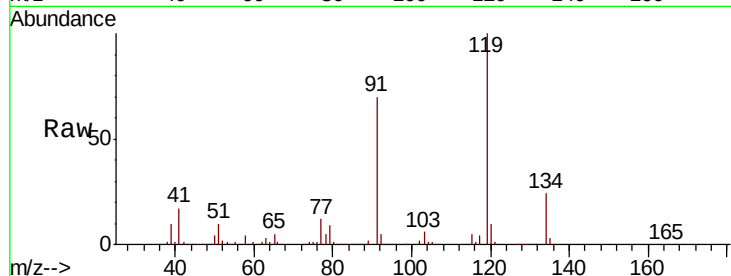




#83
 tert-Butylbenzene
 Concen: 21.273 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

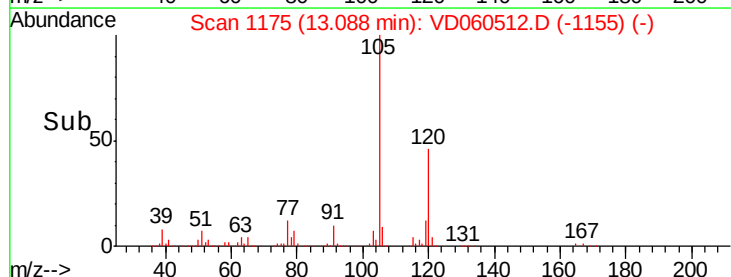
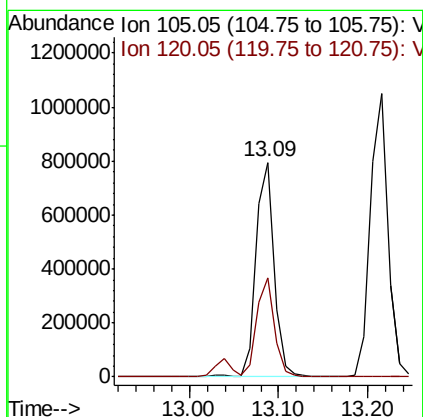
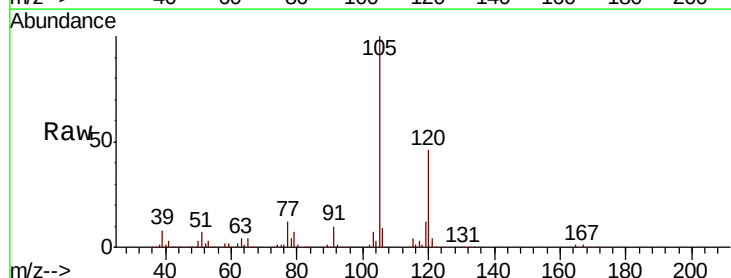
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

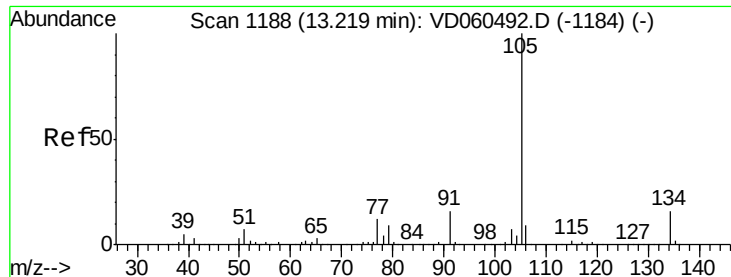
Tot Ion:119 Resp: 1205336
 Ion Ratio Lower Upper
 119 100
 91 69.8 33.1 99.2
 134 23.7 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.139 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion:105 Resp: 1106122
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.110 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

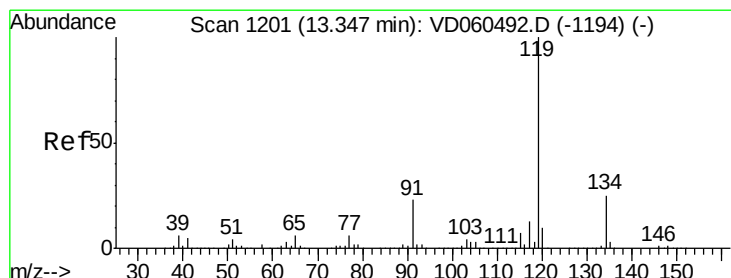
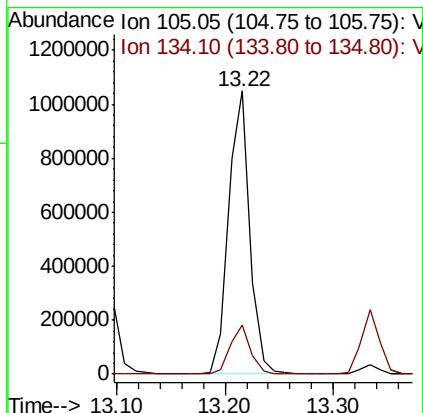
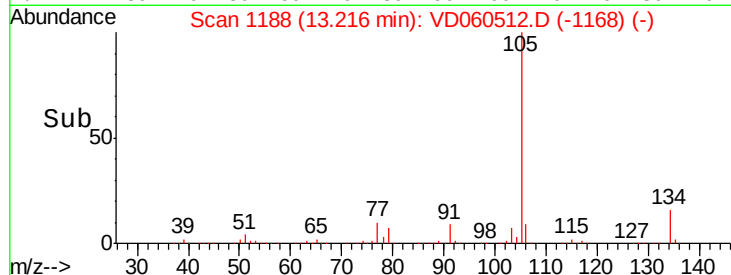
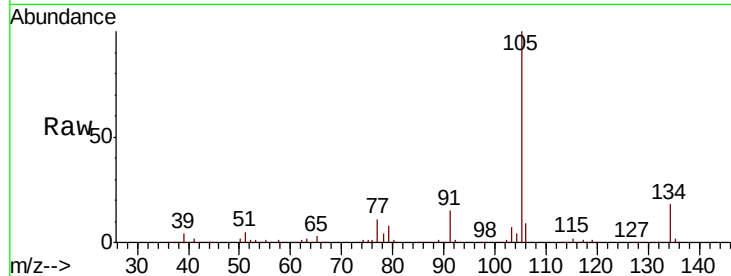
VD1207SBS01

Tot Ion:105 Resp: 1420151

Ion Ratio Lower Upper

105 100

134 17.5 7.9 23.7



#86

p-Isopropyltoluene

Concen: 20.802 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

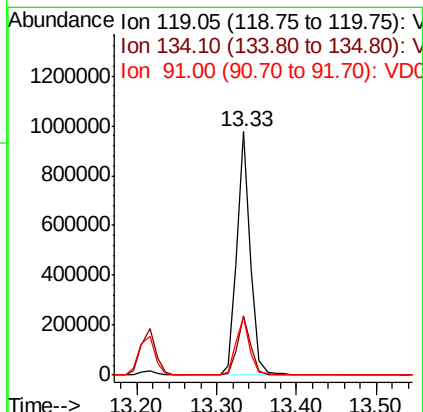
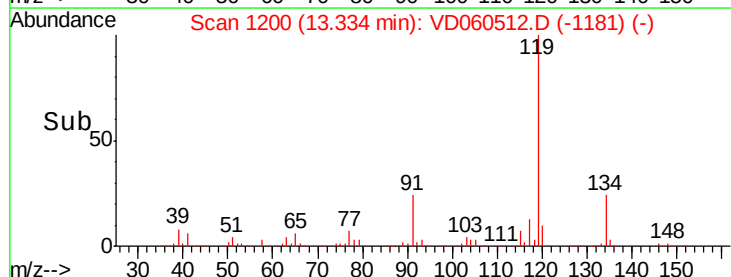
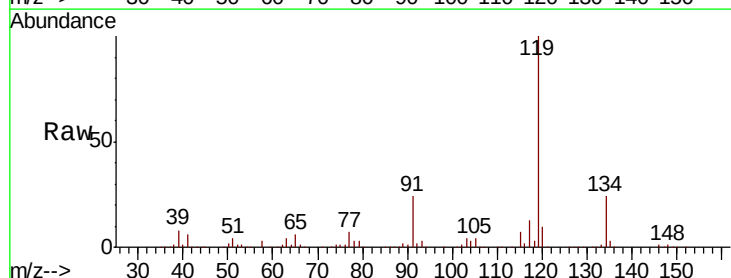
Tgt Ion:119 Resp: 1164532

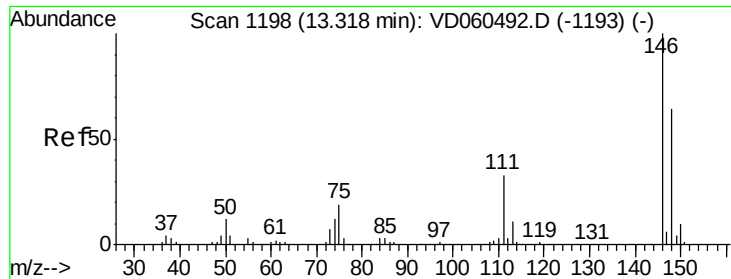
Ion Ratio Lower Upper

119 100

134 24.4 12.5 37.5

91 23.7 11.5 34.4

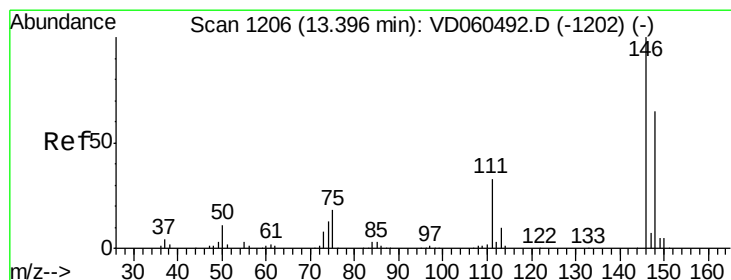
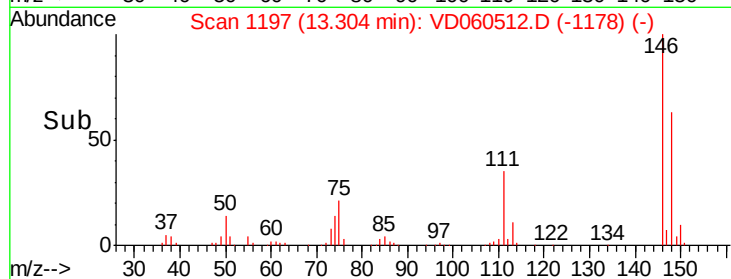
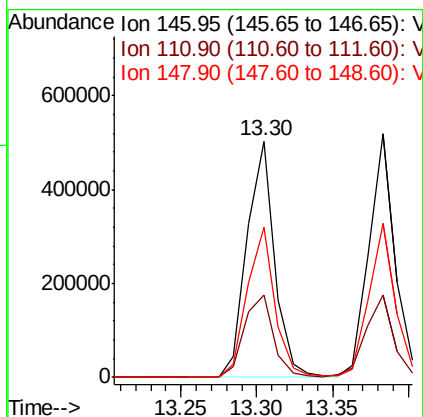
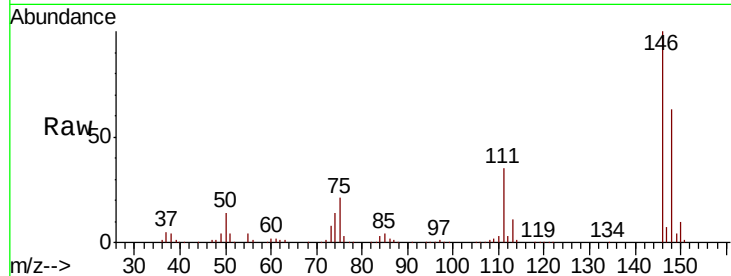




#87
 1,3-Dichlorobenzene
 Concen: 20.327 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

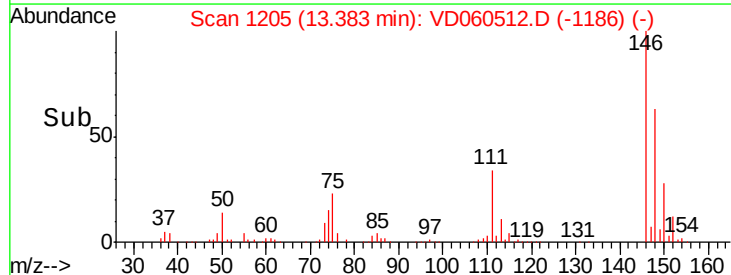
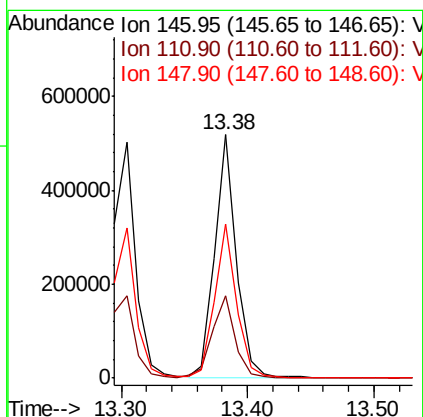
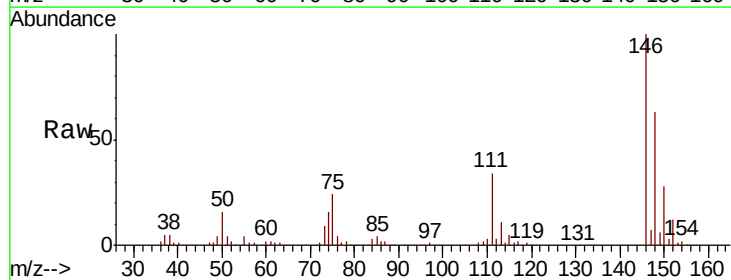
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBSD01

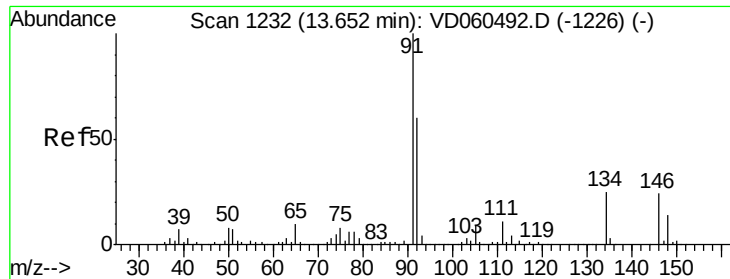
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.8	16.5	49.5
148	63.4	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.091 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.9	16.4	49.1
148	63.4	32.6	98.0

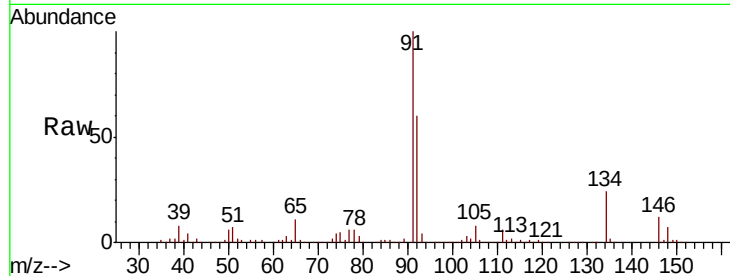




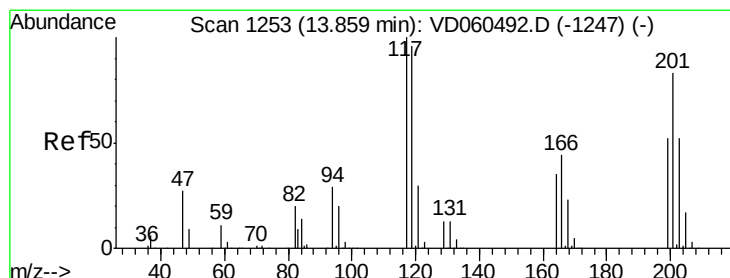
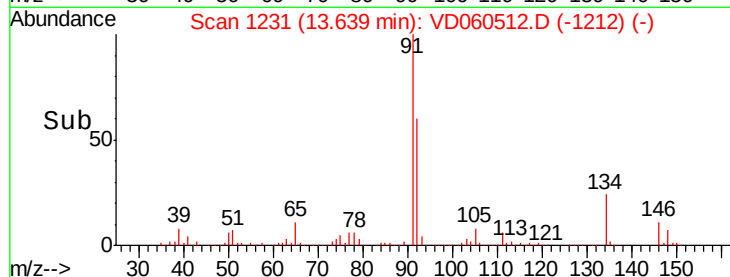
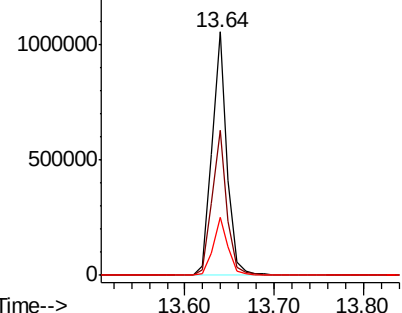
#89
n-Butylbenzene
Concen: 20.217 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBSD01

Tot Ion: 91 Resp: 1259427
Ion Ratio Lower Upper
91 100
92 59.8 30.0 90.1
134 23.9 12.5 37.5

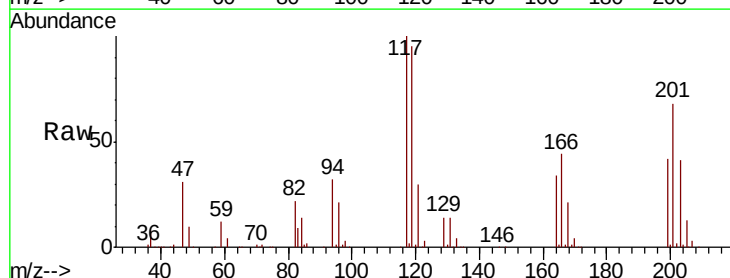


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

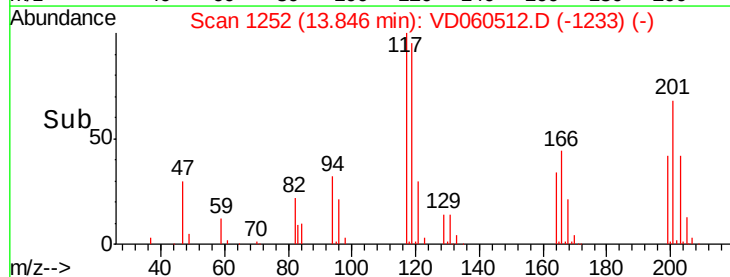
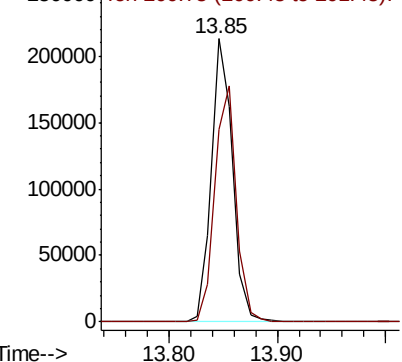


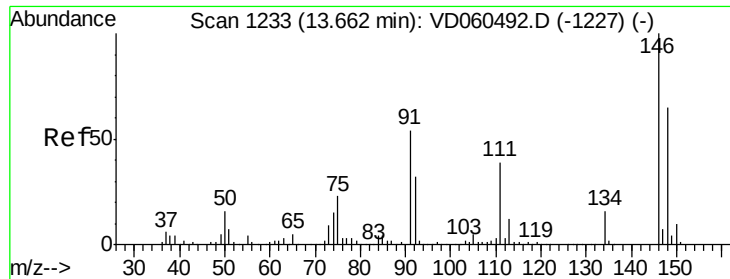
#90
Hexachloroethane
Concen: 20.583 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion: 117 Resp: 288901
Ion Ratio Lower Upper
117 100
201 67.8 41.3 123.9



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

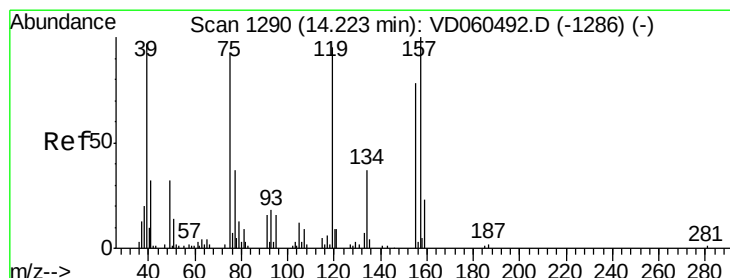
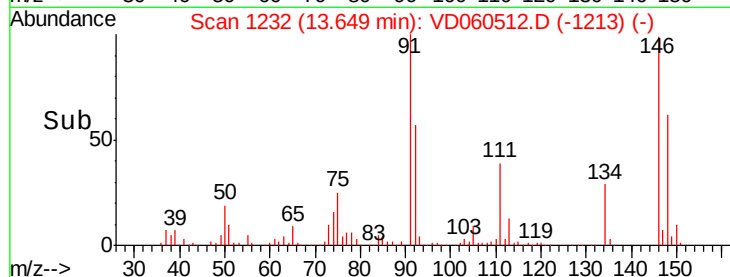
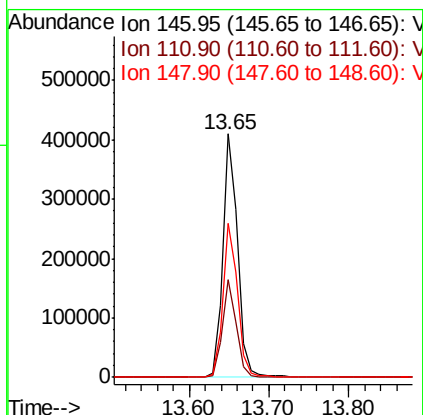
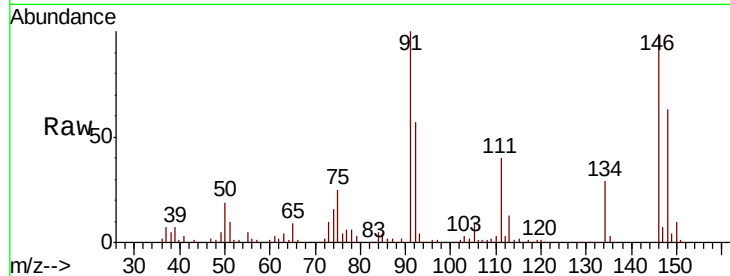




#91
 1,2-Dichlorobenzene
 Concen: 20.671 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

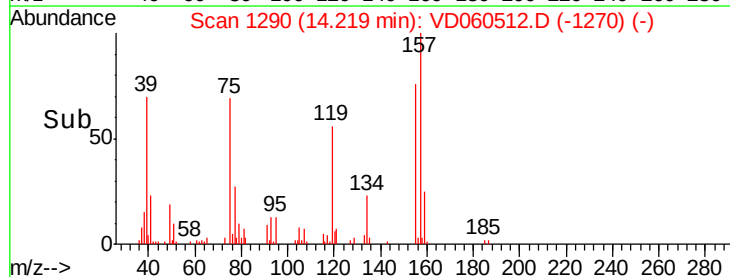
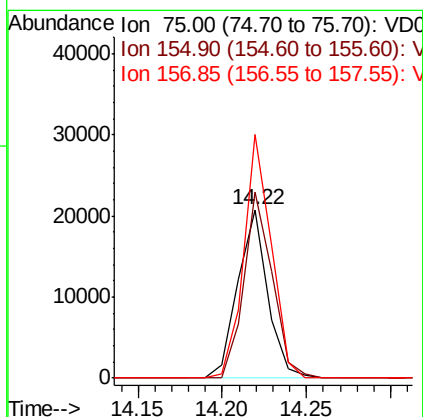
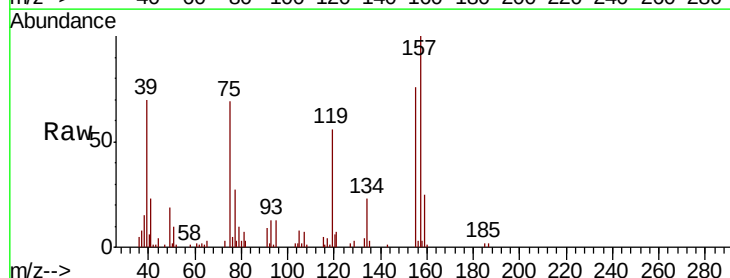
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBSD01

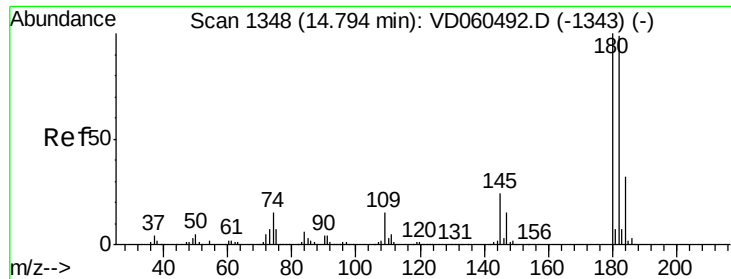
Tot Ion:146 Resp: 531702
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.3 57.8
 148 63.1 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.028 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion: 75 Resp: 25693
 Ion Ratio Lower Upper
 75 100
 155 110.0 41.6 124.9
 157 144.3 53.6 160.8

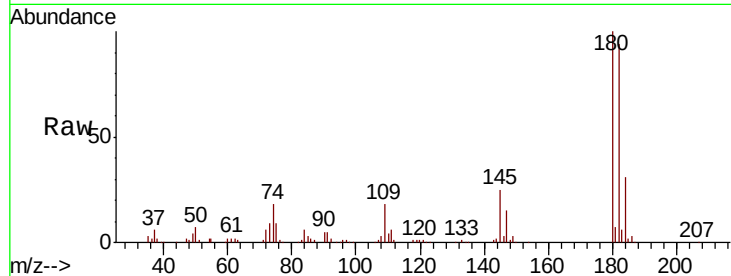




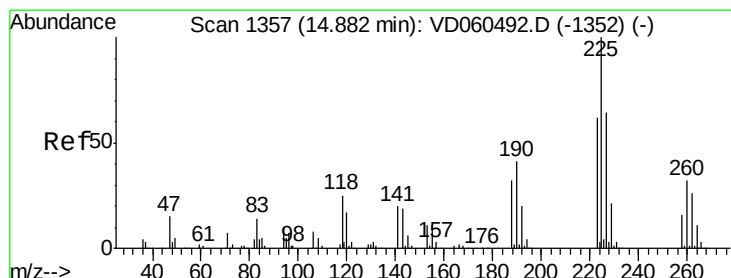
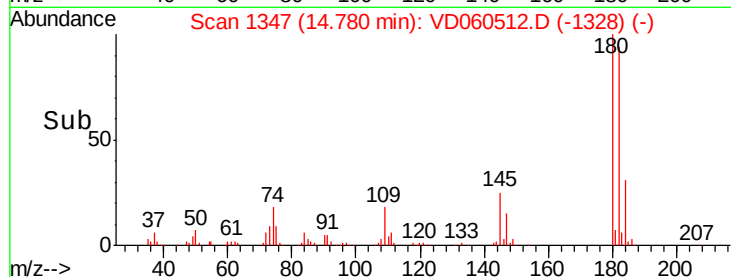
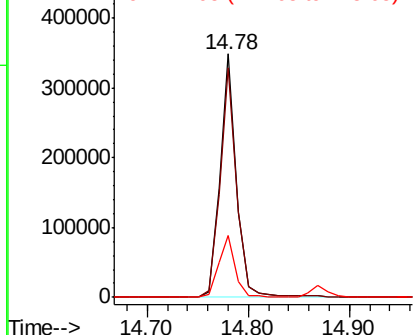
#93
 1,2,4-Trichlorobenzene
 Concen: 19.861 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion:180 Resp: 399362
 Ion Ratio Lower Upper
 180 100
 182 94.4 49.4 148.0
 145 25.2 11.9 35.9

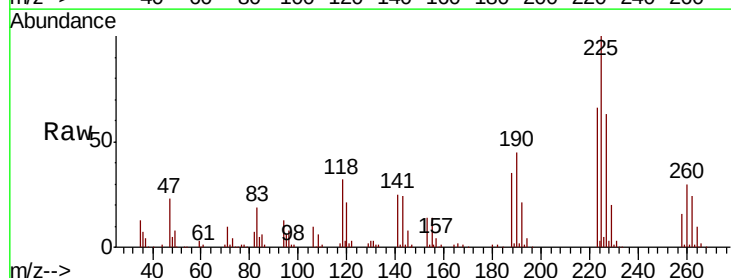


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

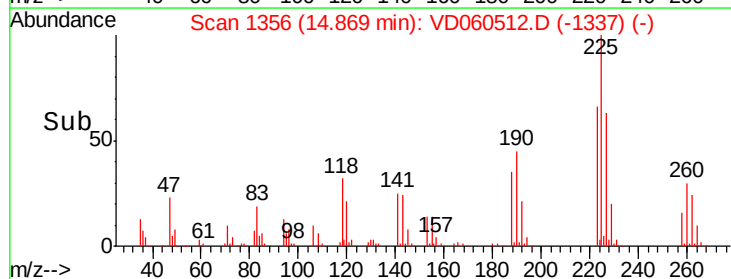
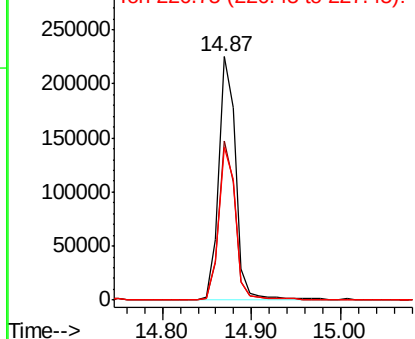


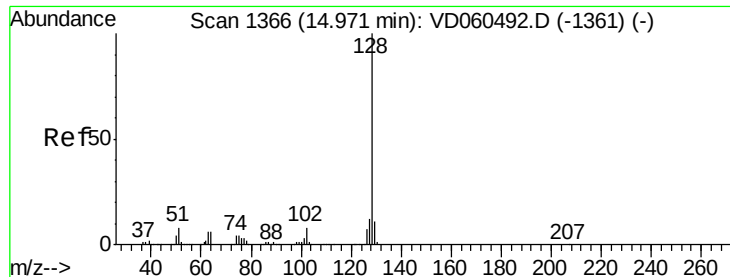
#94
 Hexachlorobutadiene
 Concen: 20.480 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion:225 Resp: 303833
 Ion Ratio Lower Upper
 225 100
 223 65.5 31.2 93.6
 227 62.6 32.0 96.0



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

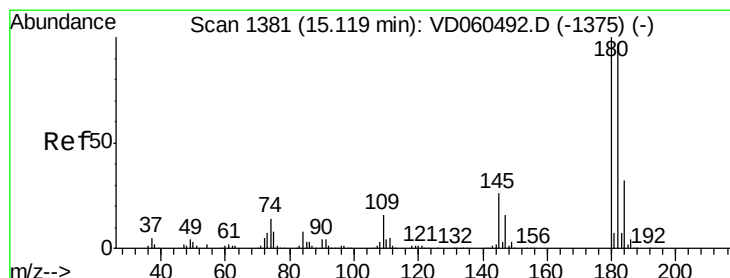
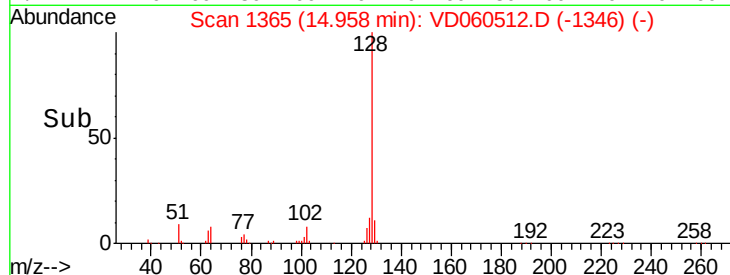
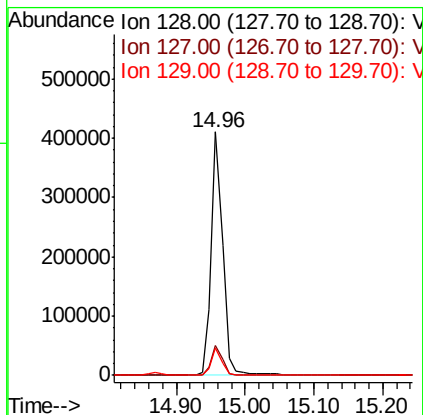
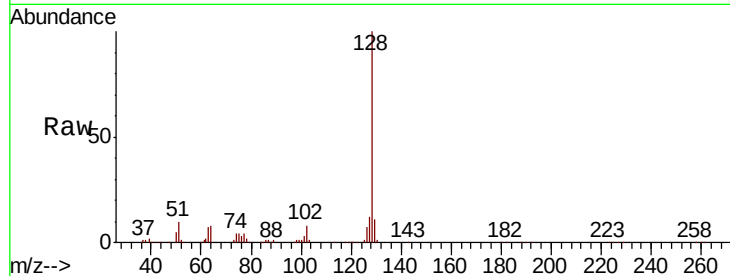




#95
Naphthalene
Concen: 19.836 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBSD01

Tot Ion:128 Resp: 474505
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.8
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.933 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion:180 Resp: 319364
Ion Ratio Lower Upper
180 100
182 95.1 48.5 145.5
145 28.1 12.9 38.7

