

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060722.D
 Acq On : 27 Dec 2018 13:15
 Operator : VA/AP
 Sample : VD1227SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Quant Time: Dec 28 01:35:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1451912	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.41	114	1972644	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.25	117	1550634	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.35	152	811039	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.75	65	510689	50.90	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	6.28	113	792268	54.87	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	109.74%	
50) Toluene-d8	9.42	98	2279503	52.91	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.82%	
62) 4-Bromofluorobenzene	12.41	95	791727	52.47	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	338160	18.228	ug/l	97
3) Chloromethane	1.76	50	316709	18.550	ug/l	99
4) Vinyl Chloride	1.85	62	248512	18.333	ug/l	98
5) Bromomethane	2.14	94	39658	13.061	ug/l	92
6) Chloroethane	2.25	64	73506	18.170	ug/l	98
7) Trichlorofluoromethane	2.50	101	287348	19.058	ug/l	99
8) Diethyl Ether	2.81	74	47561	18.854	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.07	101	193866	19.823	ug/l	98
10) Methyl Iodide	3.22	142	184455	17.946	ug/l	98
11) Tert butyl alcohol	3.94	59	36596	87.272	ug/l	96
12) 1,1-Dichloroethene	3.06	96	159476	19.845	ug/l	97
13) Acrolein	2.97	56	33856	79.229	ug/l	97
14) Allyl chloride	3.51	41	280166	19.000	ug/l	98
15) Acrylonitrile	4.05	53	235977	96.931	ug/l	97
16) Acetone	3.14	43	168835	96.353	ug/l	98
17) Carbon Disulfide	3.29	76	455096	17.733	ug/l	99
18) Methyl Acetate	3.53	43	75960	17.492	ug/l	96
19) Methyl tert-butyl Ether	4.09	73	408422	20.033	ug/l	99
20) Methylene Chloride	3.70	84	327026	17.971	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	326541	19.842	ug/l	99
22) Diisopropyl ether	4.82	45	985296	19.680	ug/l	99
23) Vinyl Acetate	4.77	43	2350240	97.031	ug/l	99
24) 1,1-Dichloroethane	4.72	63	518876	19.704	ug/l	99
25) 2-Butanone	5.59	43	311015	92.755	ug/l	96
26) 2,2-Dichloropropane	5.56	77	413408	19.888	ug/l	97
27) cis-1,2-Dichloroethene	5.56	96	328014	19.634	ug/l	96
28) Bromochloromethane	5.89	49	196153	17.632	ug/l	95
29) Tetrahydrofuran	5.92	42	177071	93.154	ug/l	99
30) Chloroform	6.07	83	530807	20.032	ug/l	98
31) Cyclohexane	6.33	56	496209	19.580	ug/l	99
32) 1,1,1-Trichloroethane	6.25	97	433439	19.771	ug/l	97
36) 1,1-Dichloropropene	6.49	75	406874	20.030	ug/l	98
37) Ethyl Acetate	5.66	43	168290	19.810	ug/l	96
38) Carbon Tetrachloride	6.46	117	365392	20.390	ug/l	99

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 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Quant Time: Dec 28 01:35:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	466085	20.119	ug/l	99
40) Benzene	6.76	78	1015585	19.356	ug/l	98
41) Methacrylonitrile	5.91	41	190340	40.506	ug/l #	75
42) 1,2-Dichloroethane	6.86	62	255332	19.610	ug/l	98
43) Isopropyl Acetate	8.31	43	201821	18.512	ug/l #	100
44) Trichloroethene	7.70	130	308804	19.885	ug/l	98
45) 1,2-Dichloropropane	8.07	63	250296	19.452	ug/l	98
46) Dibromomethane	8.18	93	143364	19.521	ug/l	97
47) Bromodichloromethane	8.45	83	346046	19.894	ug/l	100
48) Methyl methacrylate	8.21	41	128223	19.365	ug/l	99
49) 1,4-Dioxane	8.19	88	23412	380.278	ug/l #	79
51) 4-Methyl-2-Pentanone	9.31	43	653617	97.857	ug/l	99
52) Toluene	9.51	92	658583	20.022	ug/l	98
53) t-1,3-Dichloropropene	9.89	75	281221	19.379	ug/l	98
54) cis-1,3-Dichloropropene	9.07	75	373734	19.676	ug/l	99
55) 1,1,2-Trichloroethane	10.15	97	181289	20.484	ug/l	96
56) Ethyl methacrylate	9.99	69	151264	18.402	ug/l	98
57) 1,3-Dichloropropane	10.35	76	267449	19.066	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.89	63	491896	101.557	ug/l	97
59) 2-Hexanone	10.46	43	454177	97.145	ug/l	96
60) Dibromochloromethane	10.61	129	224624	19.926	ug/l	99
61) 1,2-Dibromoethane	10.73	107	137552	14.984	ug/l	100
64) Tetrachloroethene	10.22	164	296398	21.089	ug/l	98
65) Chlorobenzene	11.28	112	705746	20.600	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.39	131	231402	21.007	ug/l	98
67) Ethyl Benzene	11.40	91	1253492	21.364	ug/l	98
68) m/p-Xylenes	11.54	106	930553	43.399	ug/l	97
69) o-Xylene	11.91	106	428601	21.069	ug/l	94
70) Styrene	11.93	104	693057	21.153	ug/l	99
71) Bromoform	12.09	173	145373	19.993	ug/l	94
73) Isopropylbenzene	12.26	105	1180292	20.440	ug/l	99
74) N-amyl acetate	12.11	43	262003	19.225	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.54	83	183374	19.592	ug/l	98
76) 1,2,3-Trichloropropane	12.57	75	185111	20.048	ug/l	100
77) Bromobenzene	12.52	156	313106	20.538	ug/l	90
78) n-propylbenzene	12.62	91	1541750	20.884	ug/l	99
79) 2-Chlorotoluene	12.68	91	825833	20.886	ug/l	95
80) 1,3,5-Trimethylbenzene	12.77	105	974152	21.847	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.32	75	48191	18.888	ug/l	92
82) 4-Chlorotoluene	12.79	91	989345	22.075	ug/l	95
83) tert-Butylbenzene	13.03	119	1071051	21.106	ug/l	92
84) 1,2,4-Trimethylbenzene	13.07	105	933342	20.323	ug/l	99
85) sec-Butylbenzene	13.20	105	1324347	21.400	ug/l	98
86) p-Isopropyltoluene	13.32	119	1081821	21.656	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	579915	20.721	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	577415	20.938	ug/l	96
89) n-Butylbenzene	13.63	91	1118755	21.915	ug/l	97
90) Hexachloroethane	13.84	117	258210	21.040	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	496937	22.136	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.21	75	20742	18.863	ug/l	89

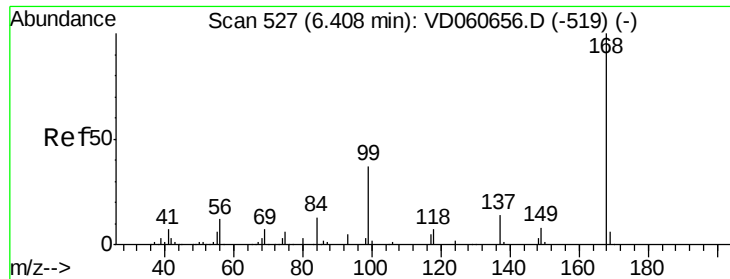
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
Data File : VD060722.D
Acq On : 27 Dec 2018 13:15
Operator : VA/AP
Sample : VD1227SBS01
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MSVOA_D
ClientSampleId :
VD1227SBS01

Quant Time: Dec 28 01:35:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	373828	20.926	ug/l	97
94) Hexachlorobutadiene	14.87	225	281809	21.342	ug/l	98
95) Naphthalene	14.95	128	410846	19.351	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	288286	20.644	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

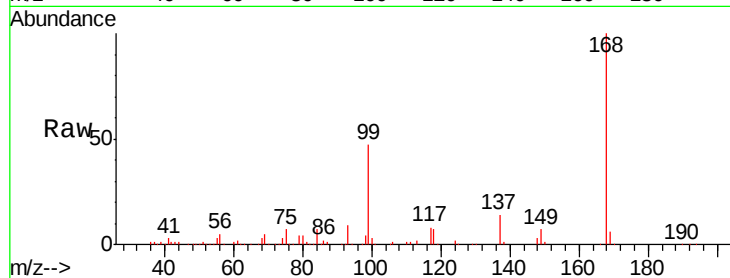
VD1227SBS01

Tgt Ion:168 Resp: 1451912

Ion Ratio Lower Upper

168 100

99 46.7 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.37

500000

400000

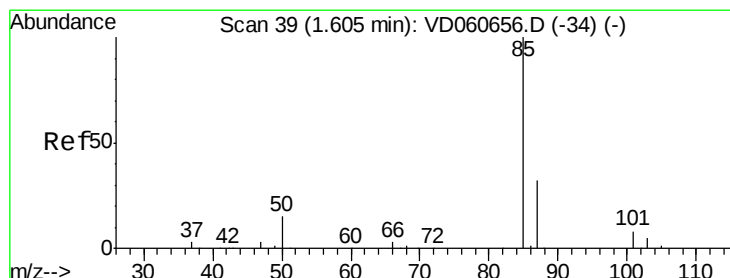
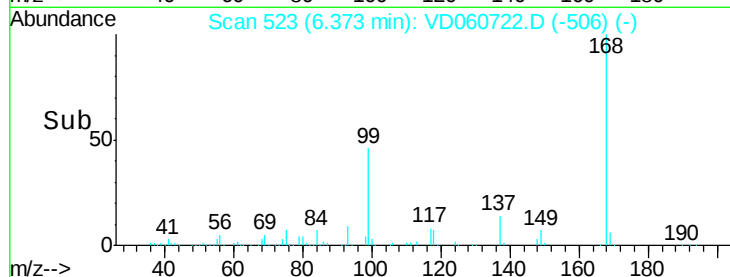
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.228 ug/l

RT: 1.59 min Scan# 37

Delta R.T. -0.02 min

Lab File: VD060722.D

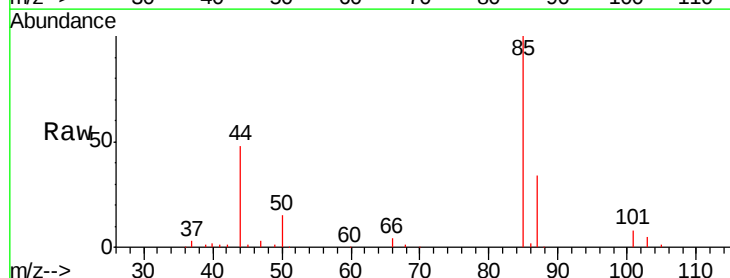
Acq: 27 Dec 2018 13:15

Tgt Ion: 85 Resp: 338160

Ion Ratio Lower Upper

85 100

87 33.7 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

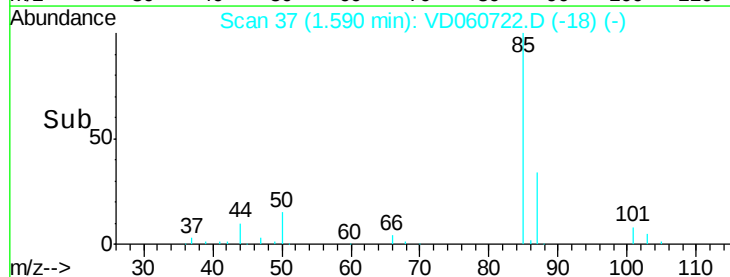
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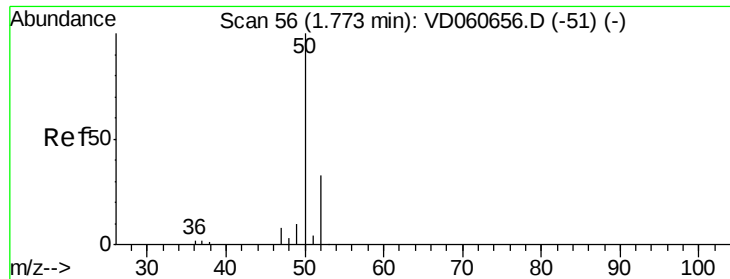
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50000

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Time-->





#3

Chloromethane

Concen: 18.550 ug/l

RT: 1.76 min Scan# 54

Delta R.T. -0.02 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

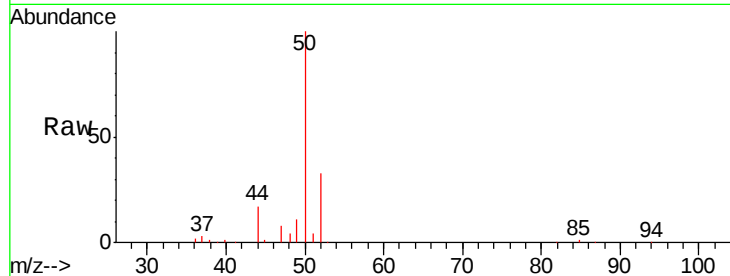
VD1227SBS01

Tgt Ion: 50 Resp: 316709

Ion Ratio Lower Upper

50 100

52 32.7 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

120000

100000

80000

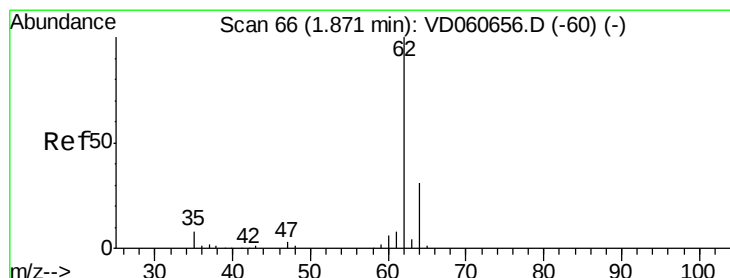
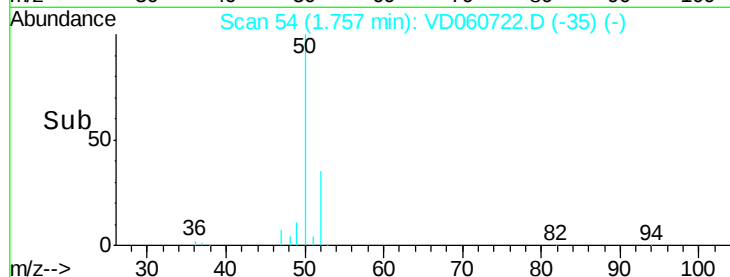
60000

40000

20000

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Time-->



#4

Vinyl Chloride

Concen: 18.333 ug/l

RT: 1.85 min Scan# 63

Delta R.T. -0.03 min

Lab File: VD060722.D

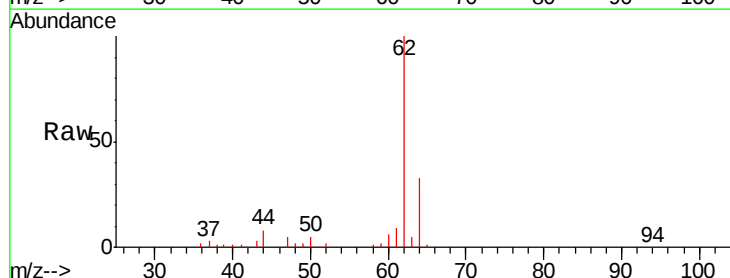
Acq: 27 Dec 2018 13:15

Tgt Ion: 62 Resp: 248512

Ion Ratio Lower Upper

62 100

64 32.6 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

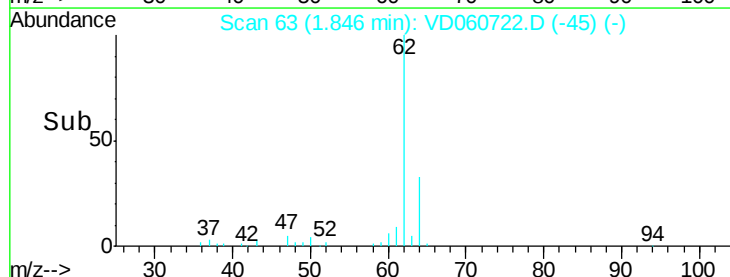
1.85

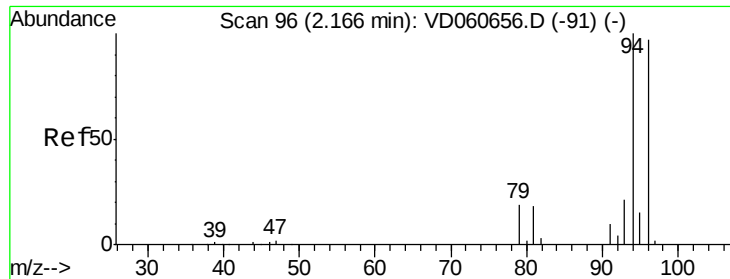
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Time-->

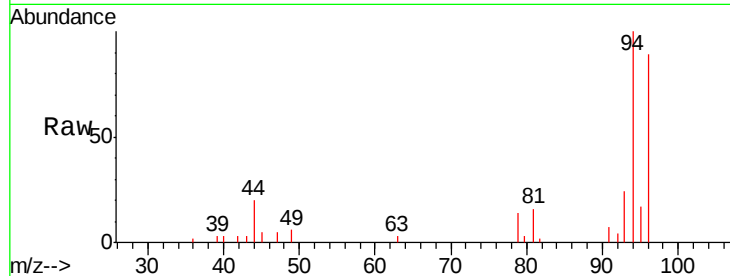




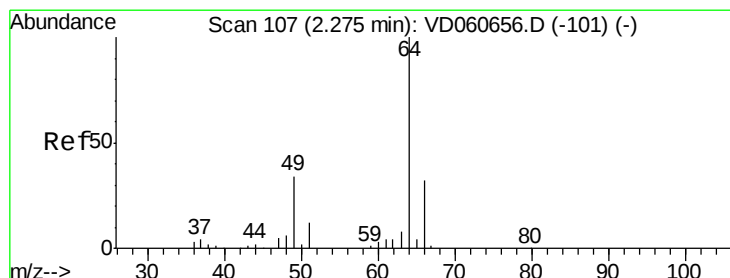
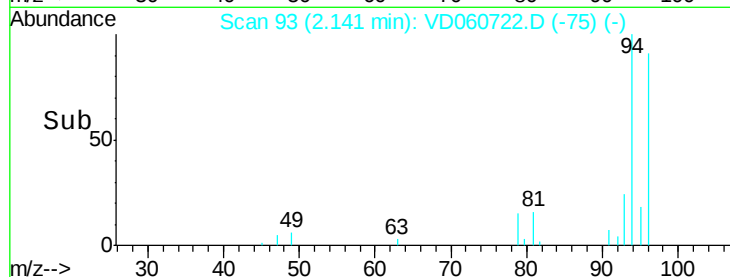
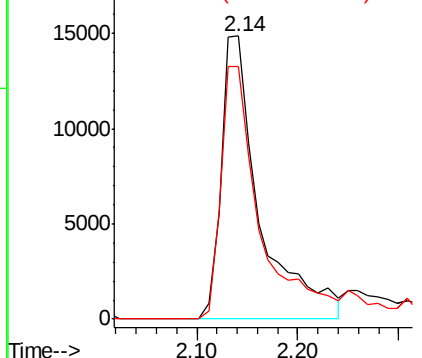
#5
Bromomethane
Concen: 13.061 ug/l
RT: 2.14 min Scan# 93
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tgt Ion: 94 Resp: 39658
Ion Ratio Lower Upper
94 100
96 89.1 77.2 115.8

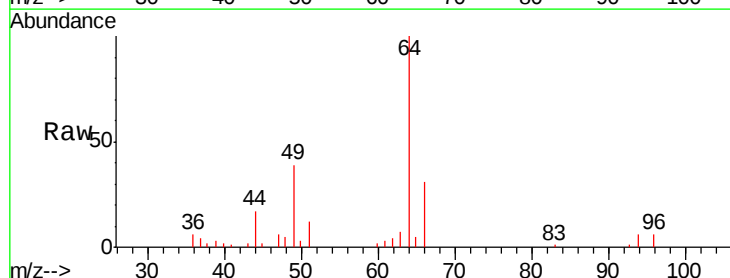


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

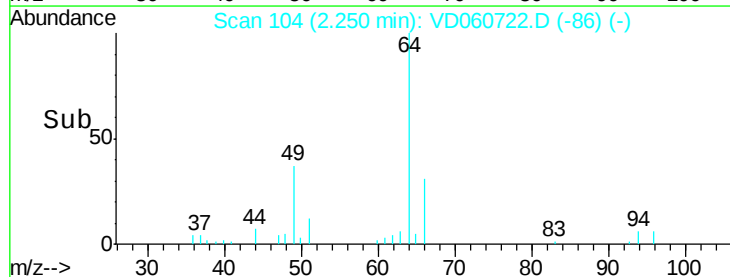
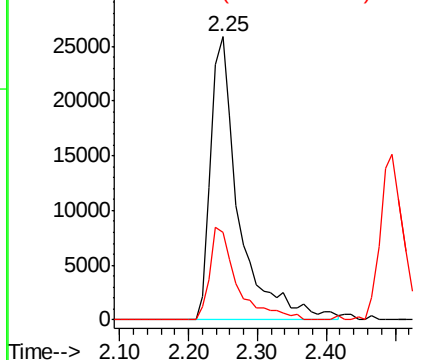


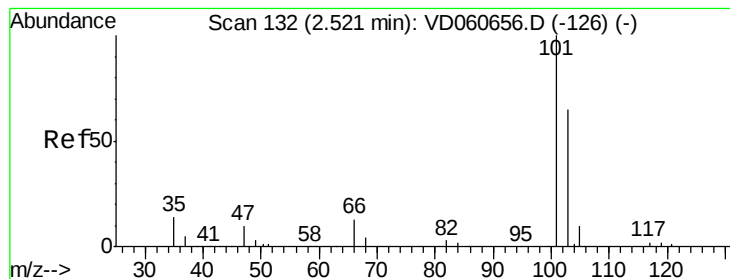
#6
Chloroethane
Concen: 18.170 ug/l
RT: 2.25 min Scan# 104
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 64 Resp: 73506
Ion Ratio Lower Upper
64 100
66 31.0 25.6 38.4



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



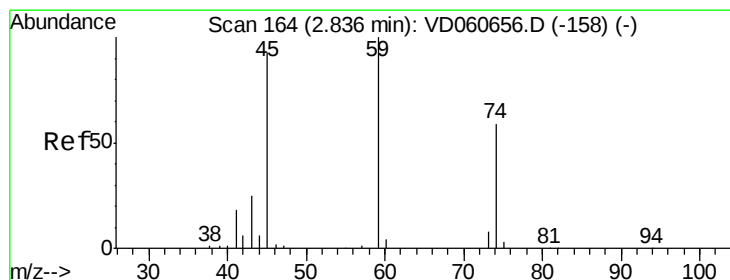
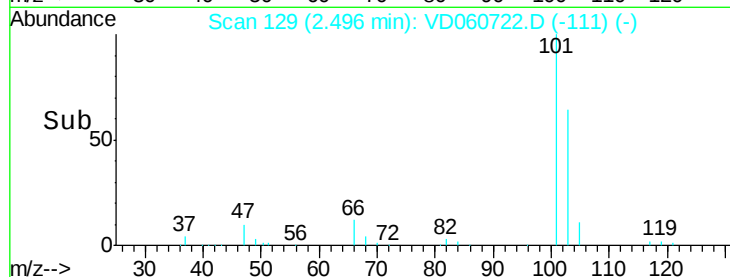
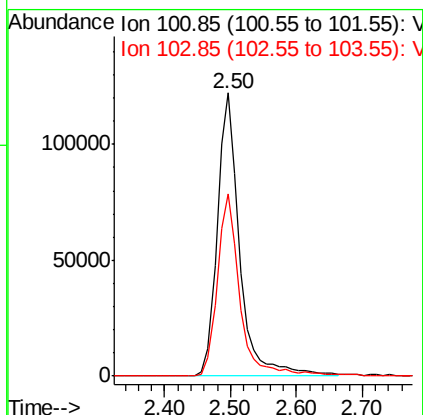
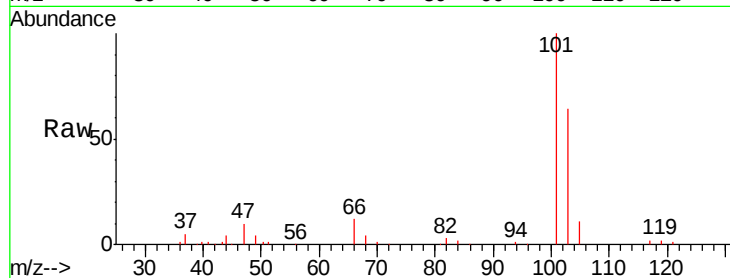


#7

Trichlorofluoromethane
 Concen: 19.058 ug/l
 RT: 2.50 min Scan# 129
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

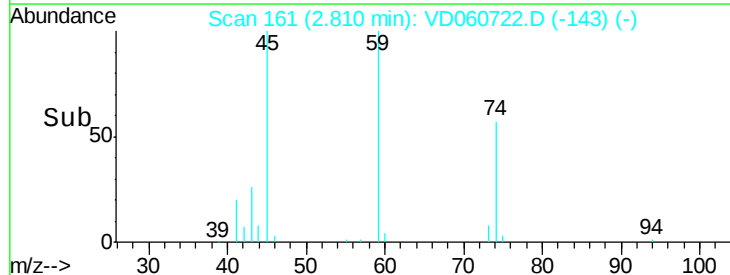
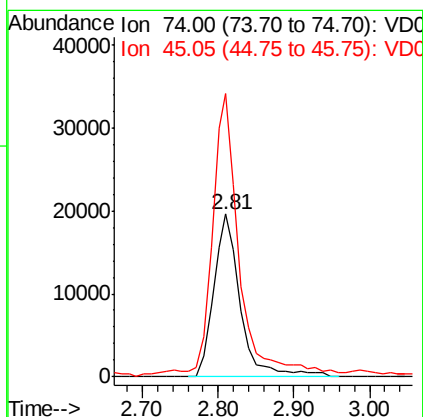
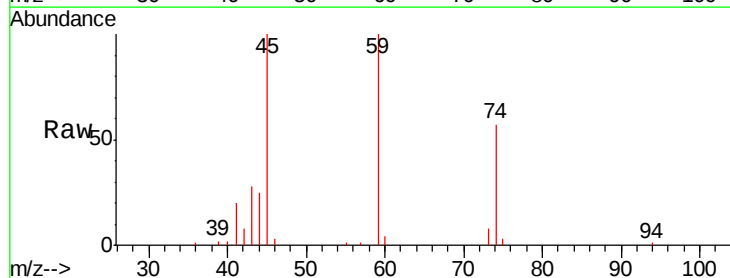
Tgt Ion: 101 Resp: 287348
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.9 77.9

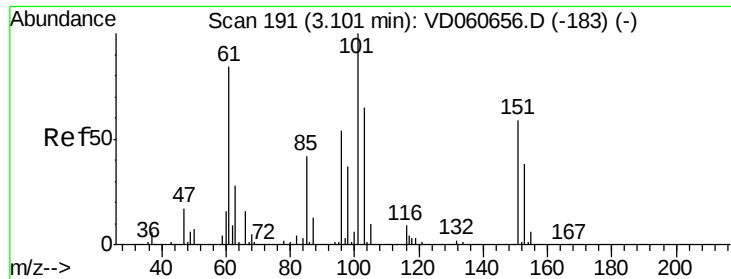


#8

Diethyl Ether
 Concen: 18.854 ug/l
 RT: 2.81 min Scan# 161
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion: 74 Resp: 47561
 Ion Ratio Lower Upper
 74 100
 45 174.0 79.3 238.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.823 ug/l

RT: 3.07 min Scan# 187

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

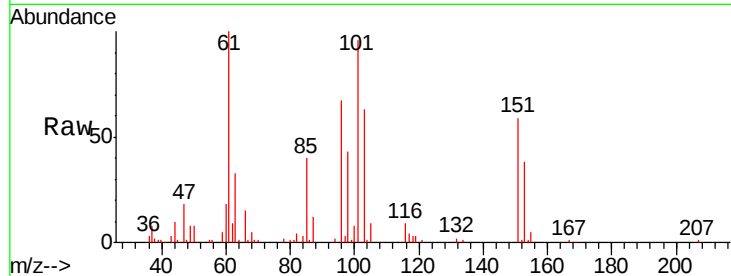
Tgt Ion:101 Resp: 193866

Ion Ratio Lower Upper

101 100

85 42.1 33.4 50.0

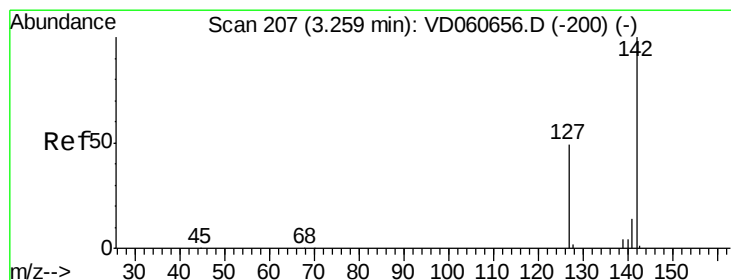
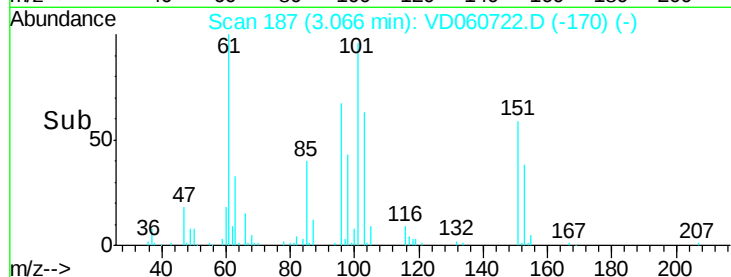
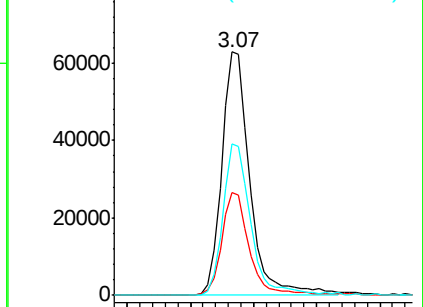
151 62.2 47.5 71.3



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: 17.946 ug/l

RT: 3.22 min Scan# 203

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

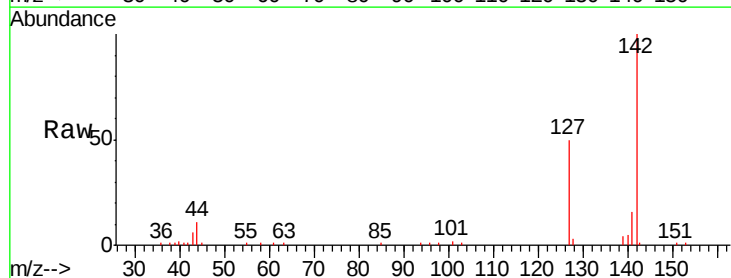
Tgt Ion:142 Resp: 184455

Ion Ratio Lower Upper

142 100

127 50.4 39.5 59.3

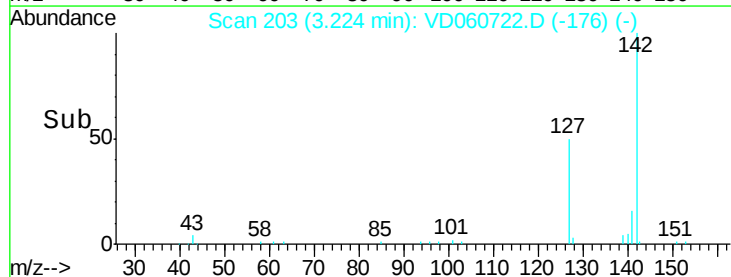
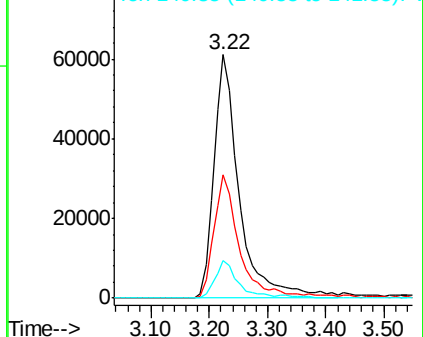
141 15.5 11.3 16.9

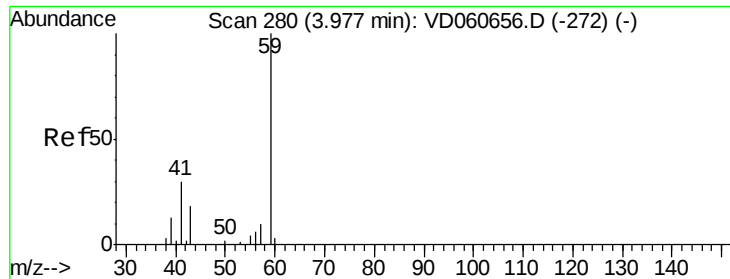


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

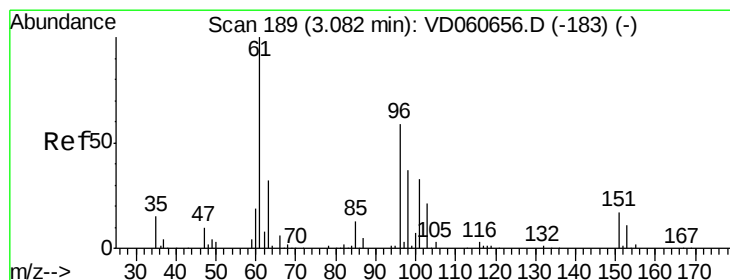
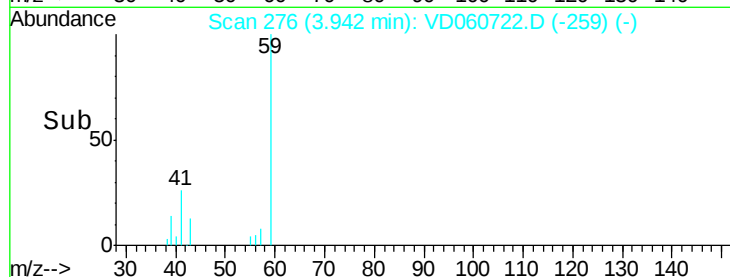
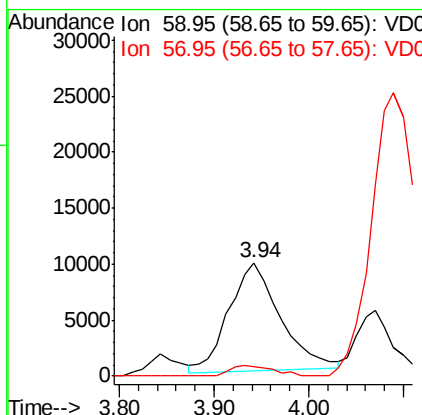
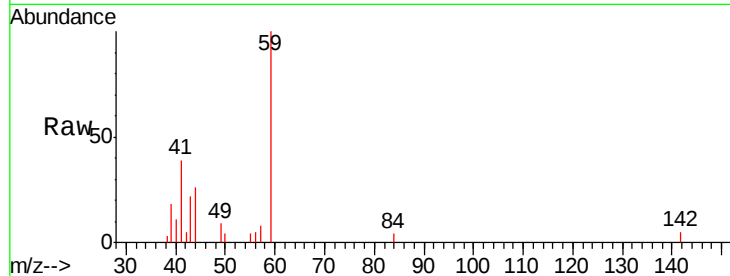




#11
Tert butyl alcohol
Concen: 87.272 ug/l
RT: 3.94 min Scan# 276
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

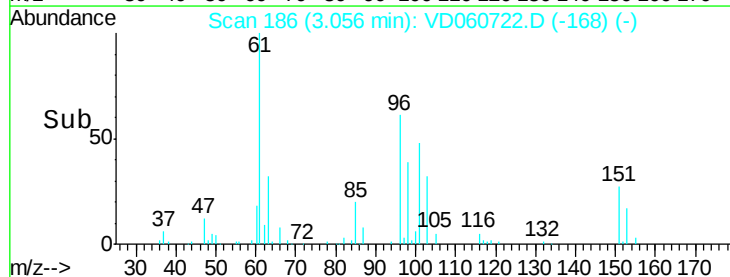
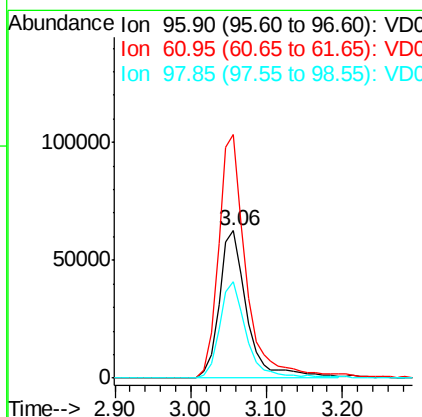
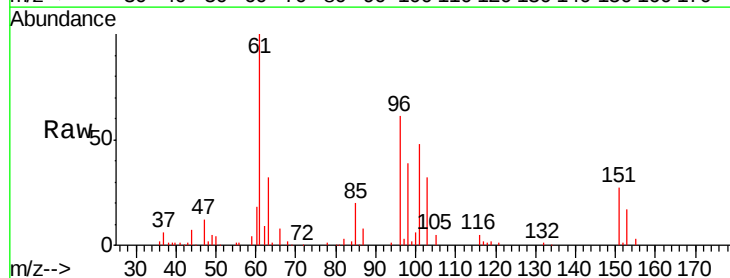
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

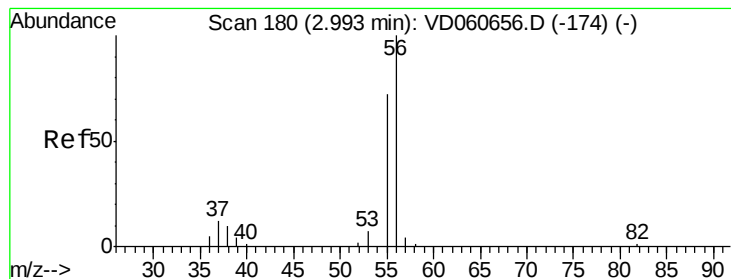
Tgt Ion: 59 Resp: 36596
Ion Ratio Lower Upper
59 100
57 8.1 7.8 11.6



#12
1,1-Dichloroethene
Concen: 19.845 ug/l
RT: 3.06 min Scan# 186
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 96 Resp: 159476
Ion Ratio Lower Upper
96 100
61 165.0 136.2 204.4
98 65.0 50.7 76.1





#13

Acrolein

Concen: 79.229 ug/l

RT: 2.97 min Scan# 177

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

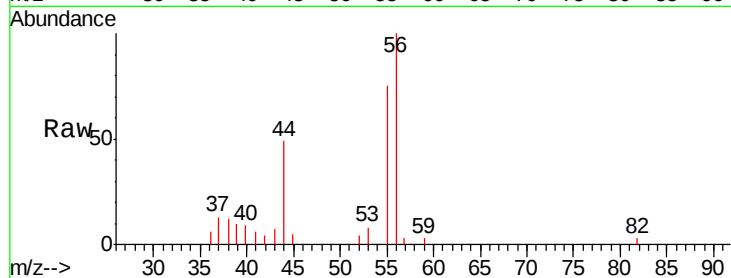
VD1227SBS01

Tgt Ion: 56 Resp: 33856

Ion Ratio Lower Upper

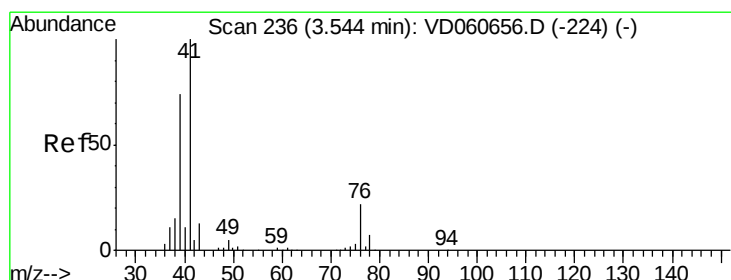
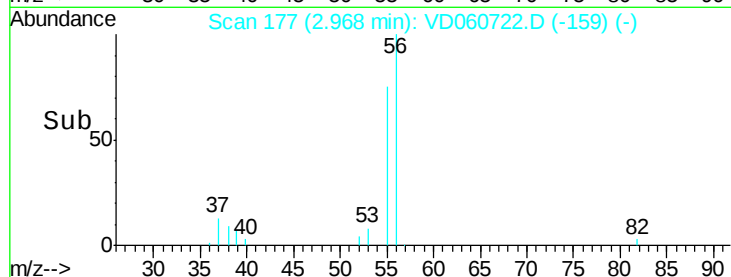
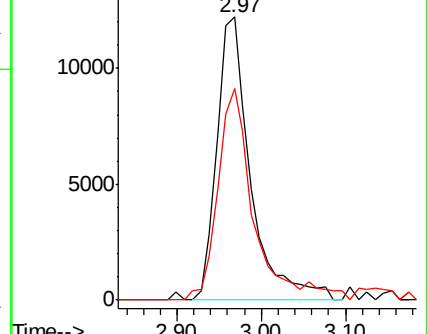
56 100

55 74.8 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.000 ug/l

RT: 3.51 min Scan# 232

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

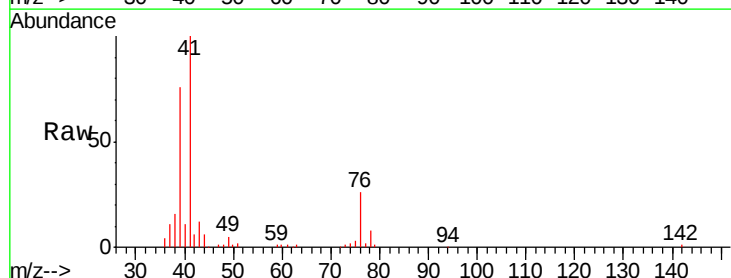
Tgt Ion: 41 Resp: 280166

Ion Ratio Lower Upper

41 100

39 76.0 59.6 89.4

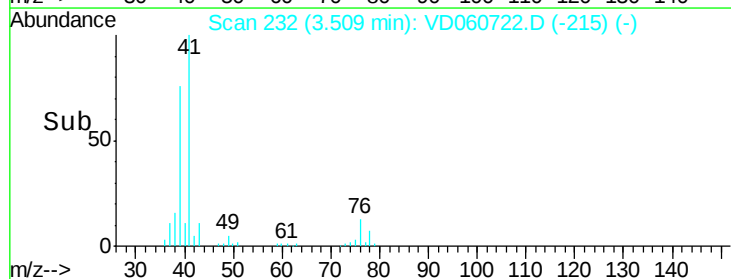
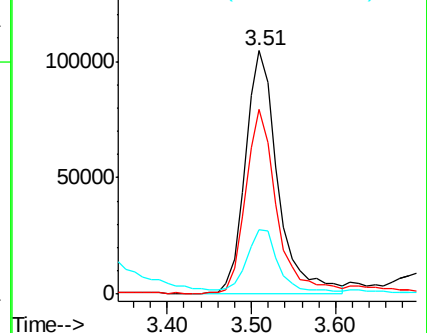
76 26.2 21.8 32.6

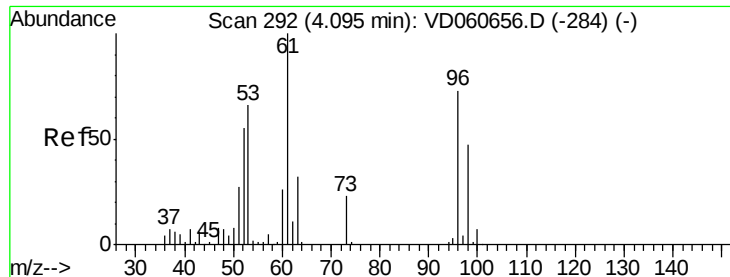


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 96.931 ug/l

RT: 4.05 min Scan# 287

Delta R.T. -0.04 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

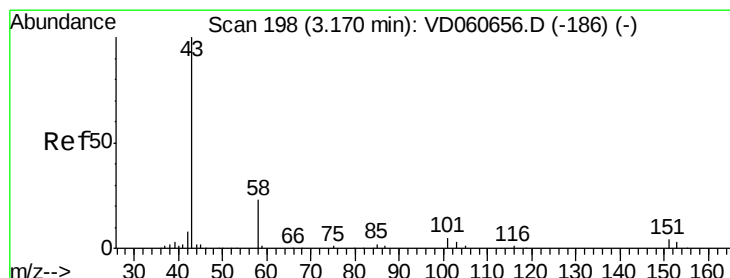
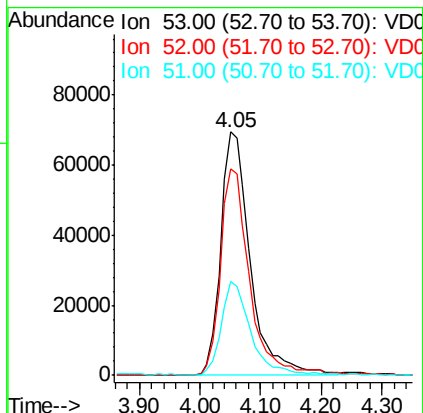
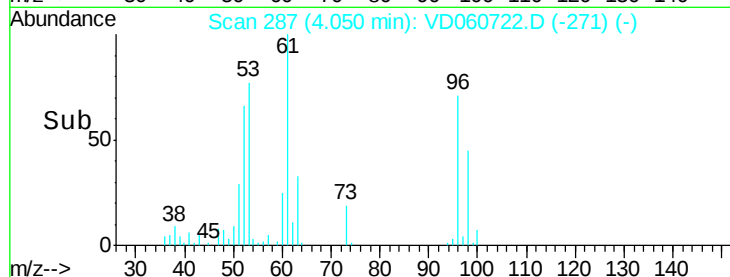
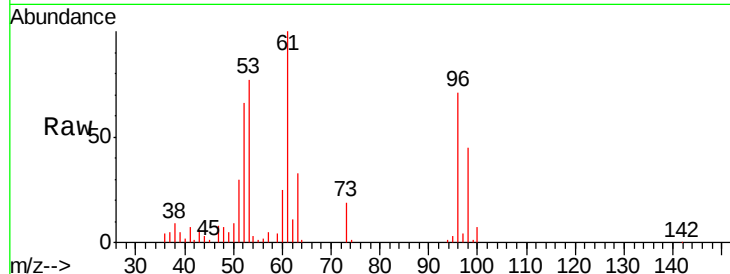
Tgt Ion: 53 Resp: 235977

Ion Ratio Lower Upper

53 100

52 85.0 66.7 100.1

51 38.5 32.7 49.1



#16

Acetone

Concen: 96.353 ug/l

RT: 3.14 min Scan# 194

Delta R.T. -0.03 min

Lab File: VD060722.D

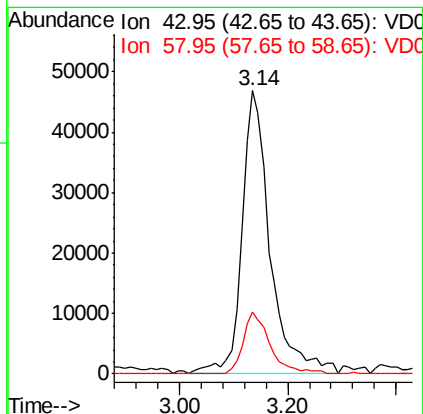
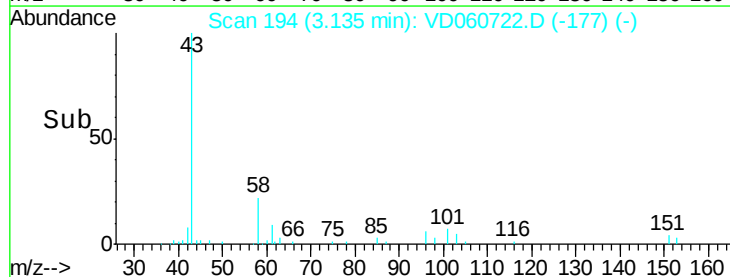
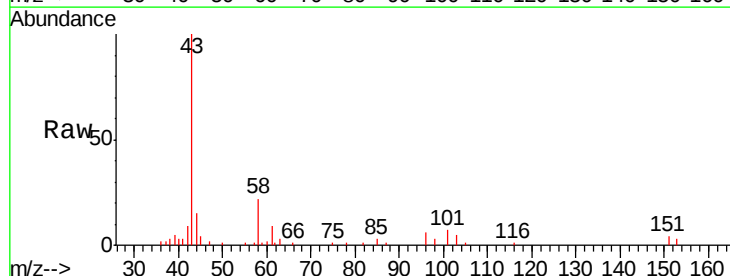
Acq: 27 Dec 2018 13:15

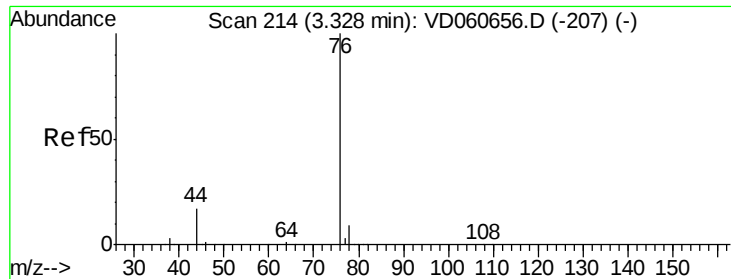
Tgt Ion: 43 Resp: 168835

Ion Ratio Lower Upper

43 100

58 21.7 18.2 27.2





#17

Carbon Disulfide

Concen: 17.733 ug/l

RT: 3.29 min Scan# 210

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

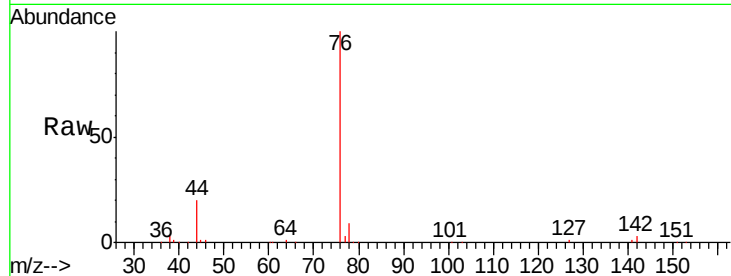
VD1227SBS01

Tgt Ion: 76 Resp: 455096

Ion Ratio Lower Upper

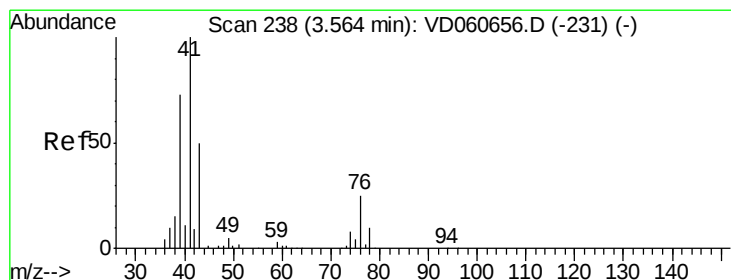
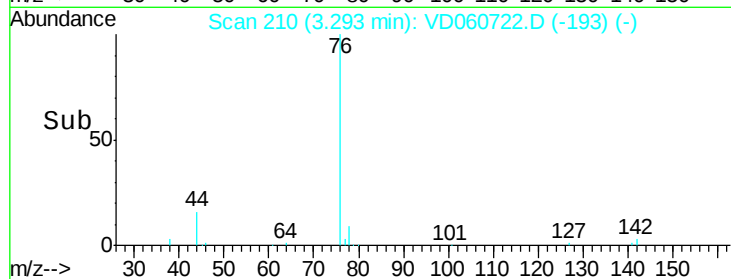
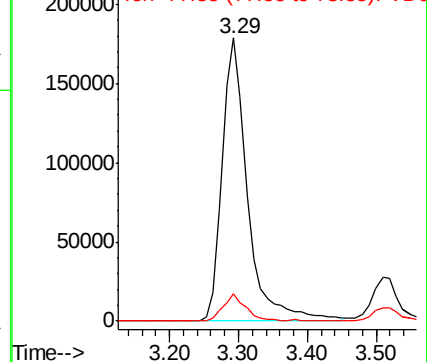
76 100

78 9.5 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 17.492 ug/l

RT: 3.53 min Scan# 234

Delta R.T. -0.03 min

Lab File: VD060722.D

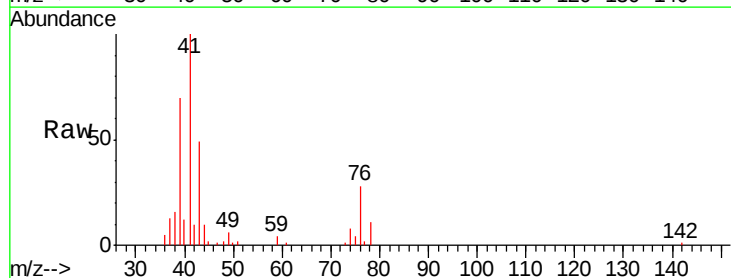
Acq: 27 Dec 2018 13:15

Tgt Ion: 43 Resp: 75960

Ion Ratio Lower Upper

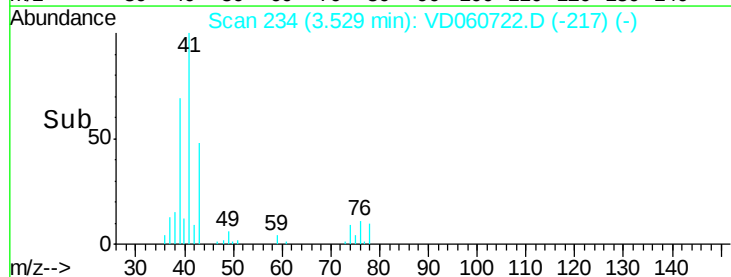
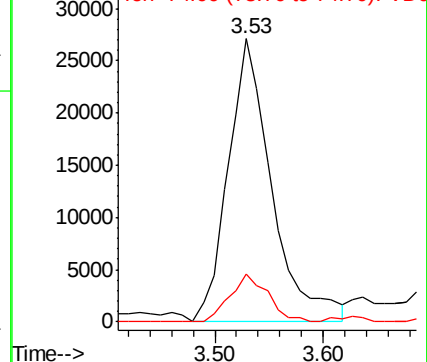
43 100

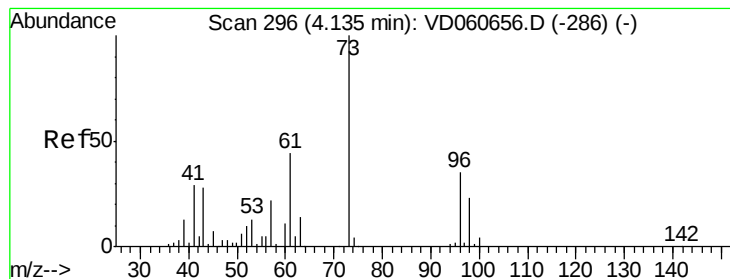
74 17.1 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



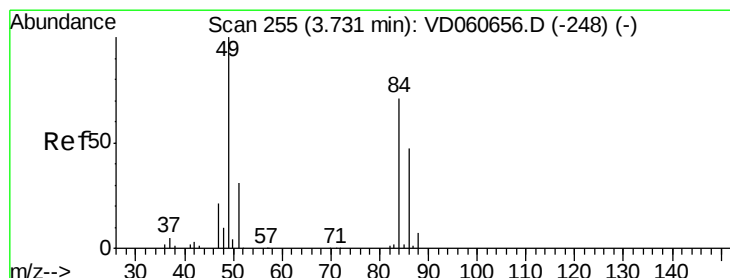
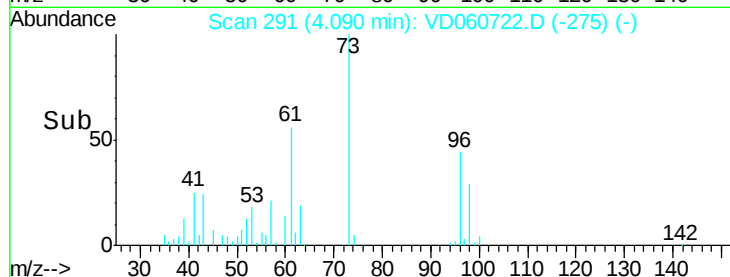
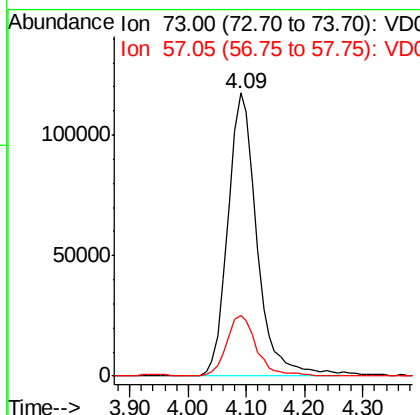
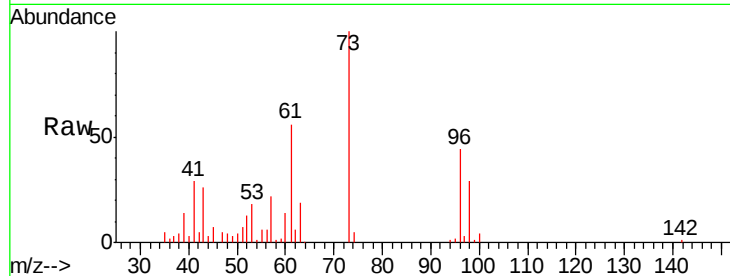


#19

Methyl tert-butyl Ether
 Concen: 20.033 ug/l
 RT: 4.09 min Scan# 291
 Delta R.T. -0.04 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

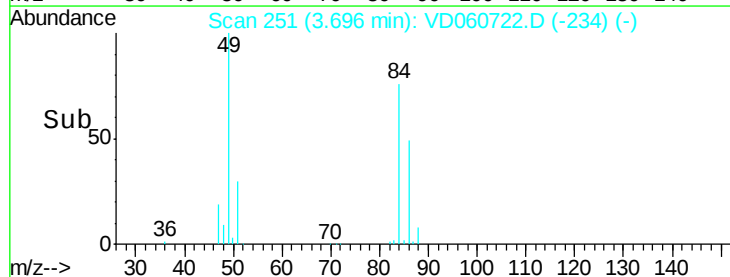
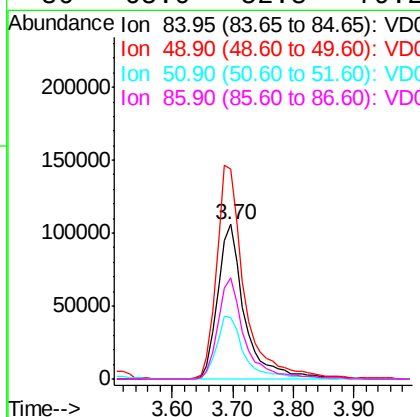
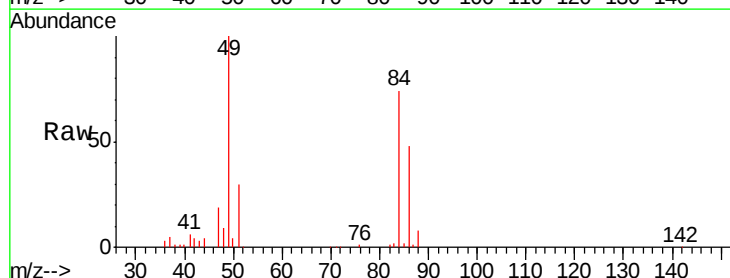
Tgt Ion: 73 Resp: 408422
 Ion Ratio Lower Upper
 73 100
 57 21.5 17.6 26.4

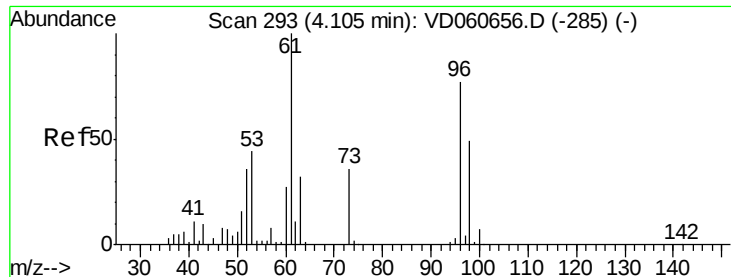


#20

Methylene Chloride
 Concen: 17.971 ug/l
 RT: 3.70 min Scan# 251
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion: 84 Resp: 327026
 Ion Ratio Lower Upper
 84 100
 49 135.2 113.6 170.4
 51 40.0 34.7 52.1
 86 65.0 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 19.842 ug/l

RT: 4.07 min Scan# 289

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

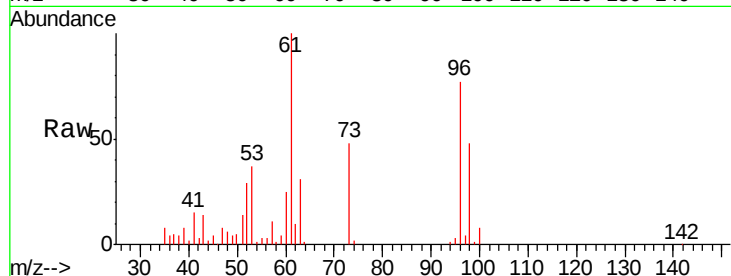
Tgt Ion: 96 Resp: 326541

Ion Ratio Lower Upper

96 100

61 130.2 104.2 156.2

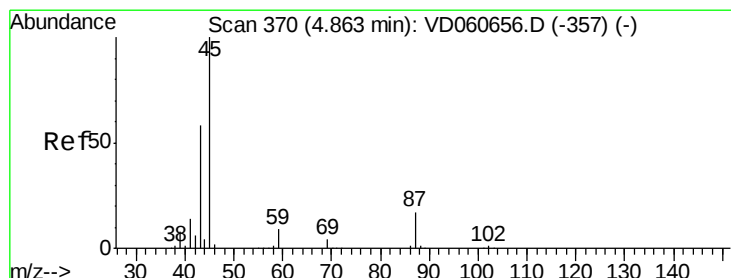
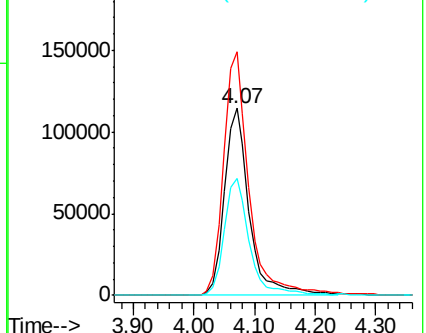
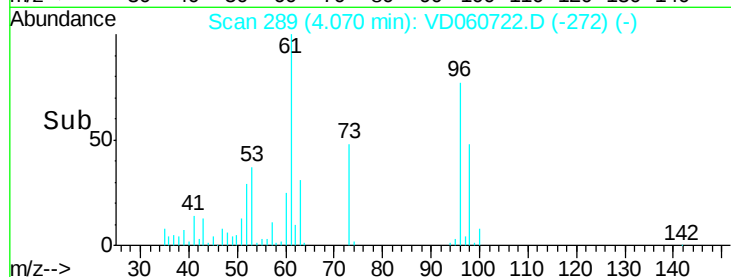
98 62.8 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.680 ug/l

RT: 4.82 min Scan# 365

Delta R.T. -0.04 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Tgt Ion: 45 Resp: 985296

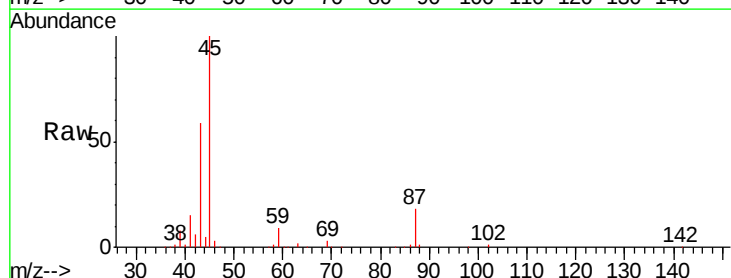
Ion Ratio Lower Upper

45 100

43 58.7 46.1 69.1

87 17.9 13.7 20.5

59 9.1 7.4 11.0

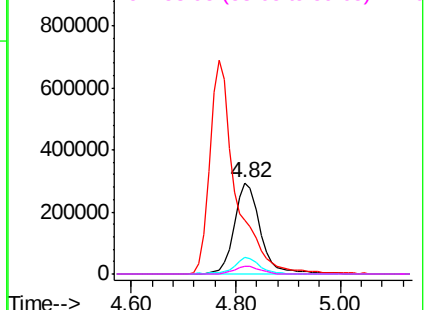
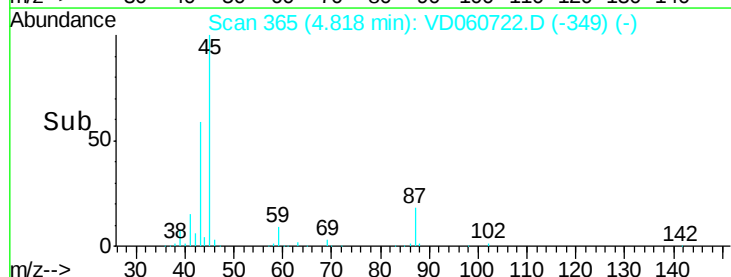


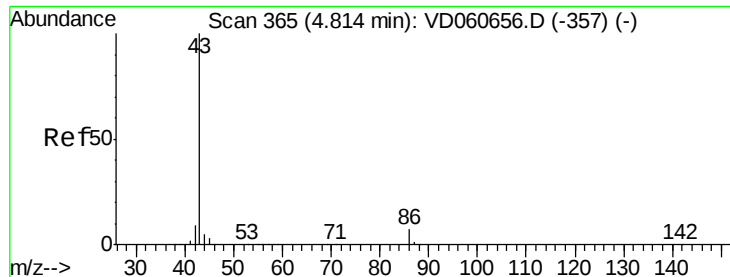
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 97.031 ug/l

RT: 4.77 min Scan# 360

Delta R.T. -0.04 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

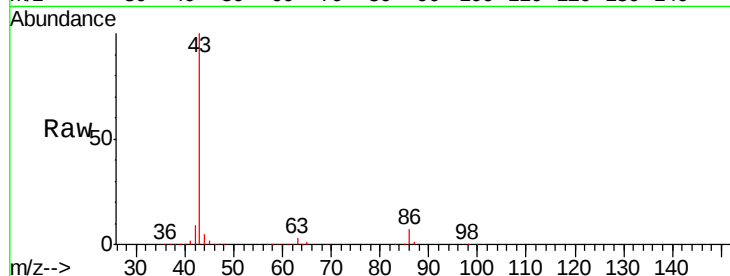
VD1227SBS01

Tgt Ion: 43 Resp: 2350240

Ion Ratio Lower Upper

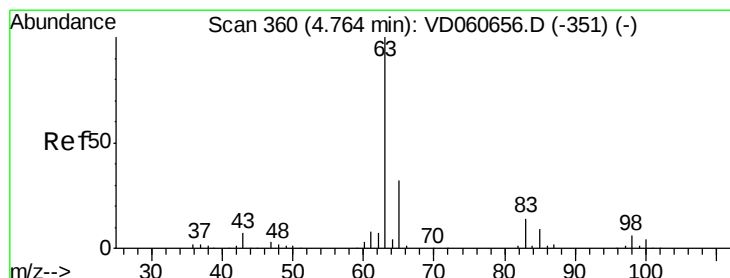
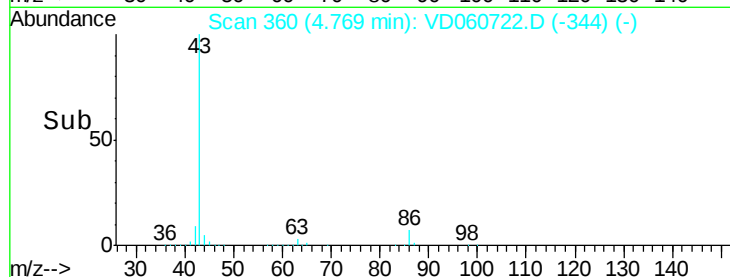
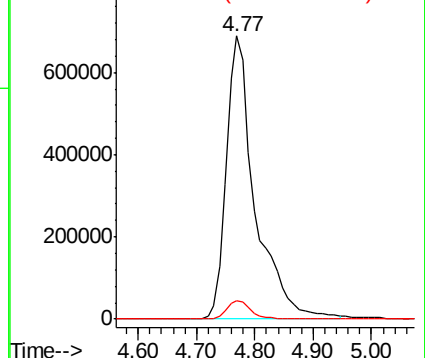
43 100

86 6.7 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.704 ug/l

RT: 4.72 min Scan# 355

Delta R.T. -0.04 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

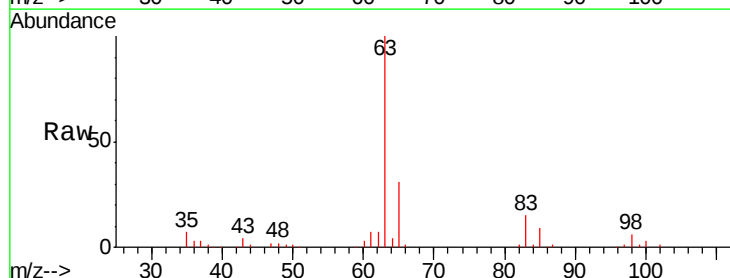
Tgt Ion: 63 Resp: 518876

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.7

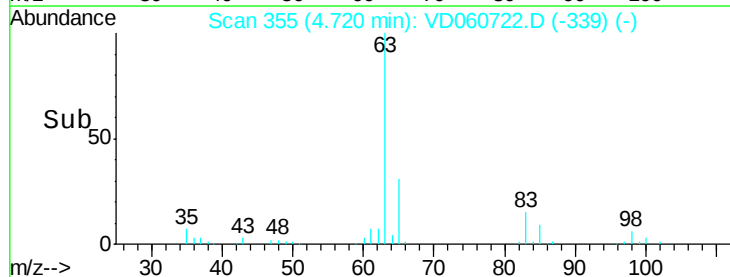
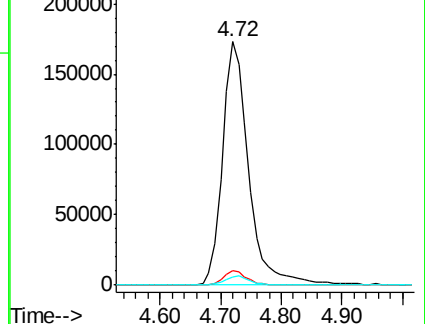
100 3.3 2.0 5.8

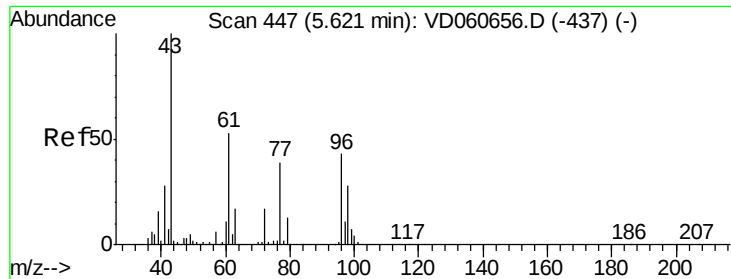


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 92.755 ug/l

RT: 5.59 min Scan# 443

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

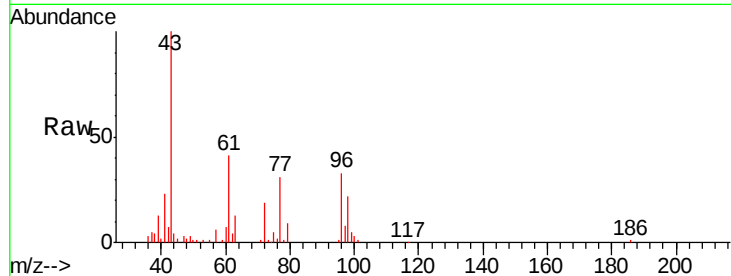
VD1227SBS01

Tgt Ion: 43 Resp: 311015

Ion Ratio Lower Upper

43 100

72 18.8 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

5.59

120000

100000

80000

60000

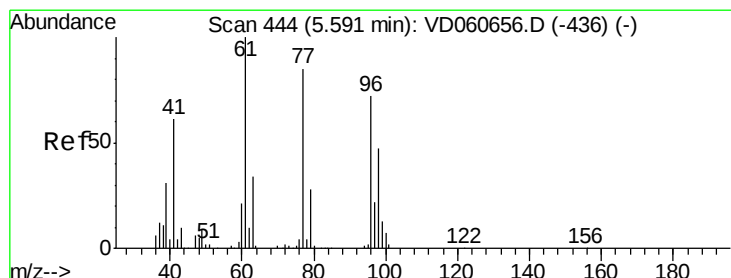
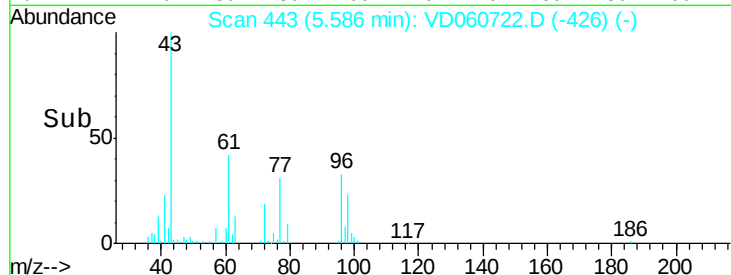
40000

20000

0

Time-->

5.50 5.60



#26

2,2-Dichloropropane

Concen: 19.888 ug/l

RT: 5.56 min Scan# 440

Delta R.T. -0.03 min

Lab File: VD060722.D

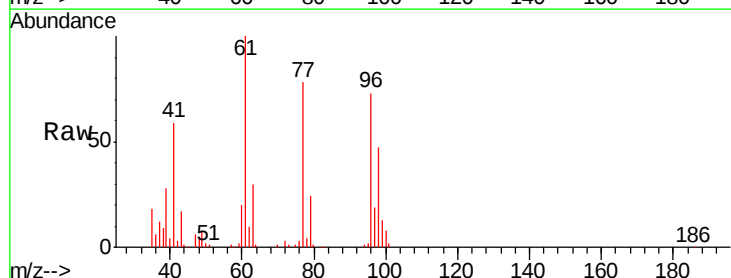
Acq: 27 Dec 2018 13:15

Tgt Ion: 77 Resp: 413408

Ion Ratio Lower Upper

77 100

97 24.5 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

5.56

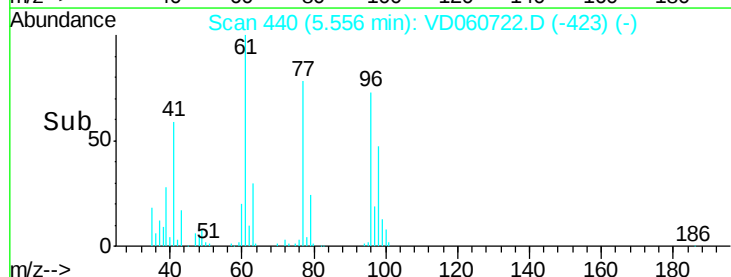
100000

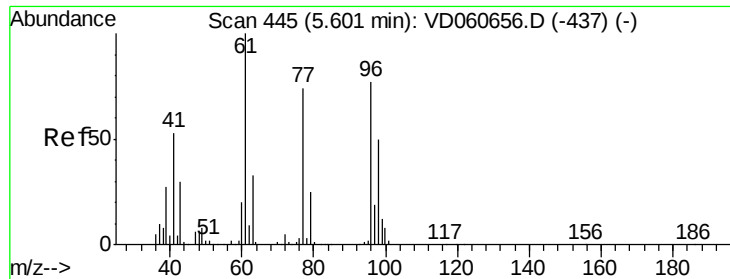
50000

0

Time-->

5.40 5.50 5.60 5.70 5.80



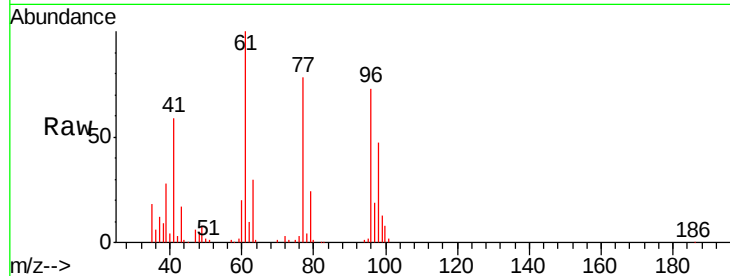


#27

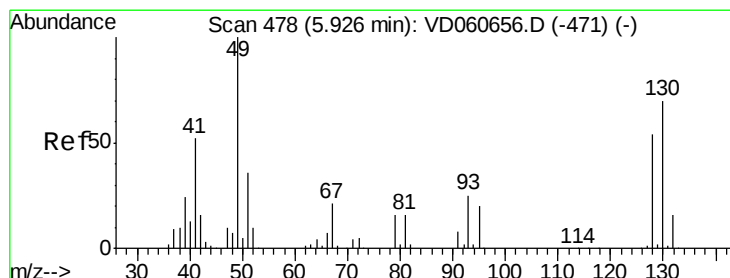
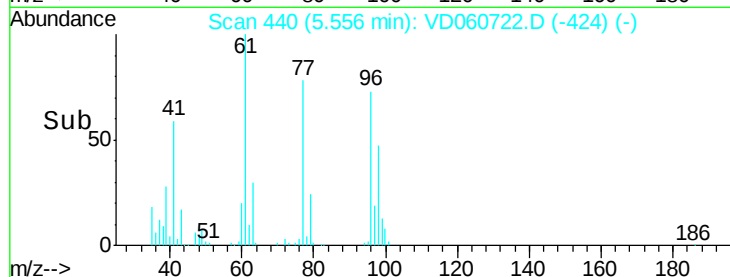
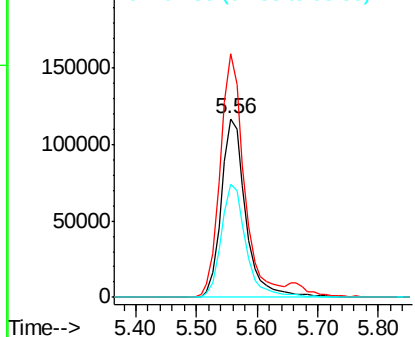
cis-1,2-Dichloroethene
Concen: 19.634 ug/l
RT: 5.56 min Scan# 440
Delta R.T. -0.04 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tgt Ion: 96 Resp: 328014
Ion Ratio Lower Upper
96 100
61 136.4 0.0 259.4
98 63.7 0.0 130.0



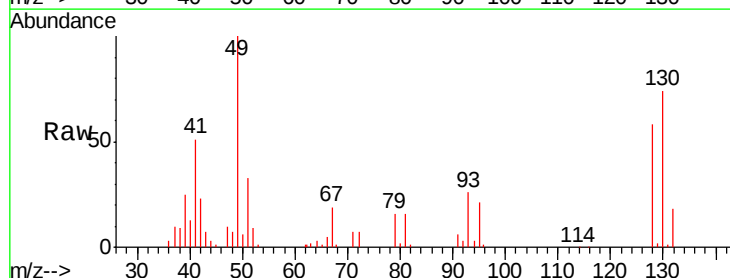
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



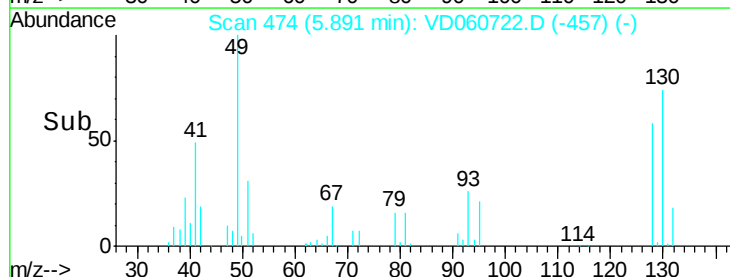
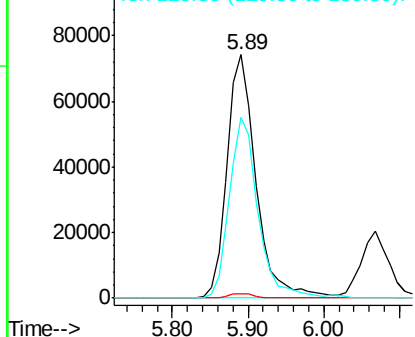
#28

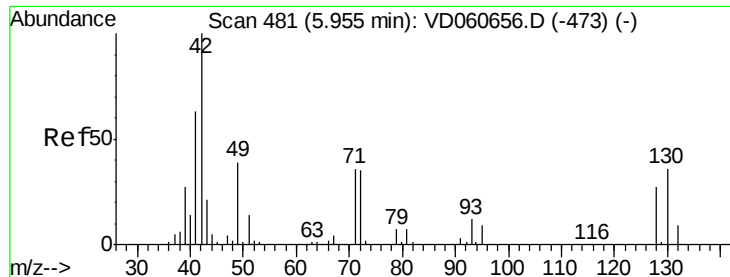
Bromochloromethane
Concen: 17.632 ug/l
RT: 5.89 min Scan# 474
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 49 Resp: 196153
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.4
130 74.1 56.2 84.2



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

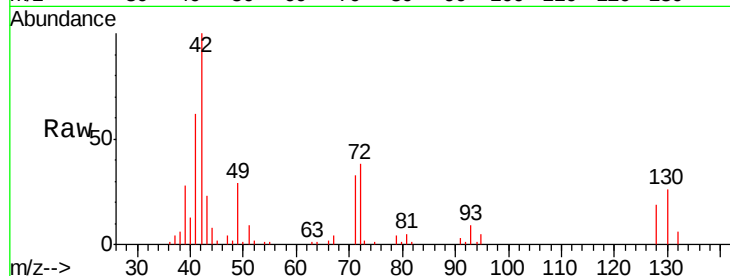




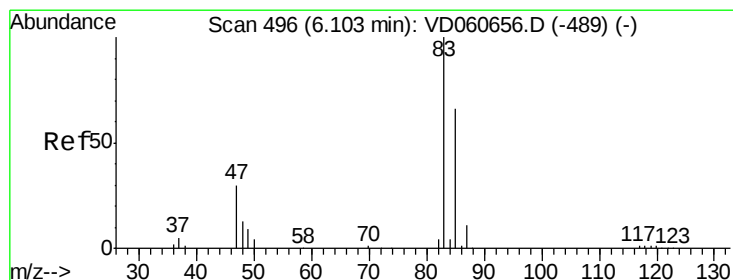
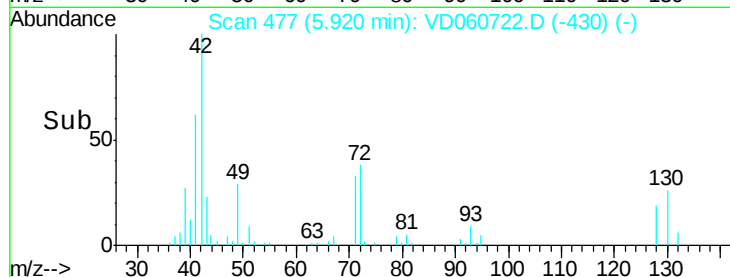
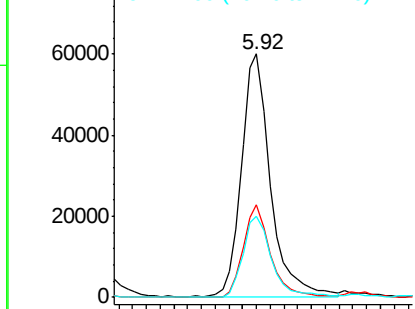
#29
Tetrahydrofuran
Concen: 93.154 ug/l
RT: 5.92 min Scan# 477
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tgt Ion: 42 Resp: 177071
Ion Ratio Lower Upper
42 100
72 35.4 28.0 42.0
71 32.8 27.0 40.6

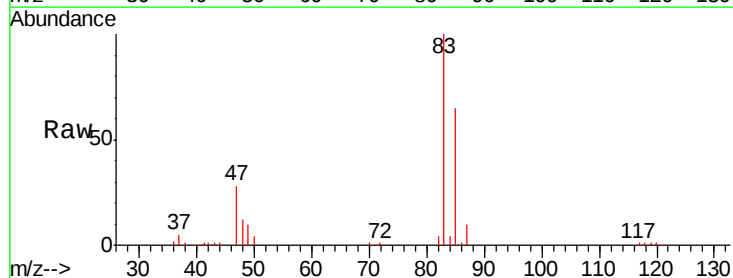


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

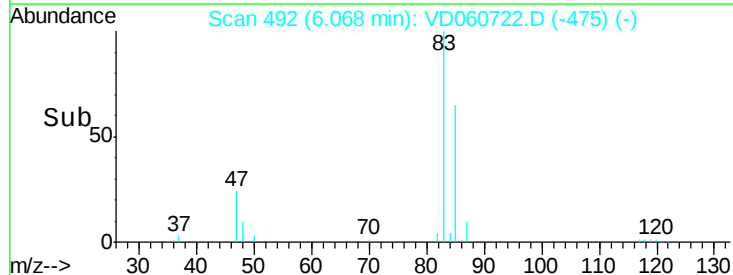
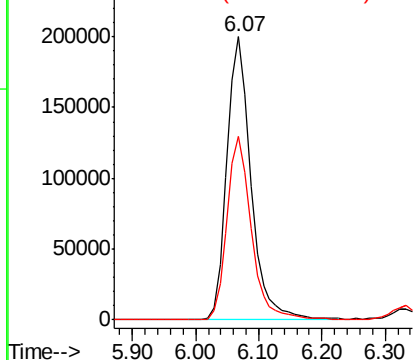


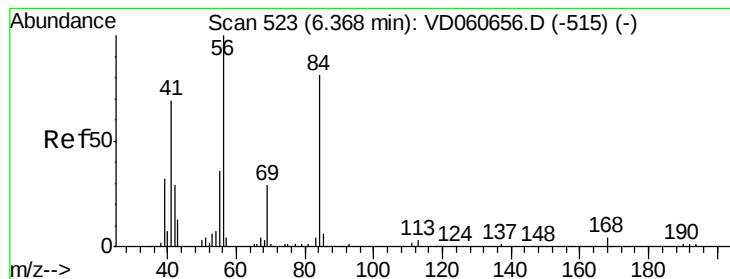
#30
Chloroform
Concen: 20.032 ug/l
RT: 6.07 min Scan# 492
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 83 Resp: 530807
Ion Ratio Lower Upper
83 100
85 64.7 53.0 79.6



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





#31

Cyclohexane

Concen: 19.580 ug/l

RT: 6.33 min Scan# 519

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

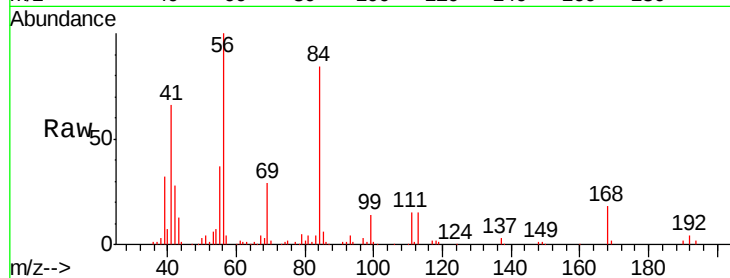
Tgt Ion: 56 Resp: 496209

Ion Ratio Lower Upper

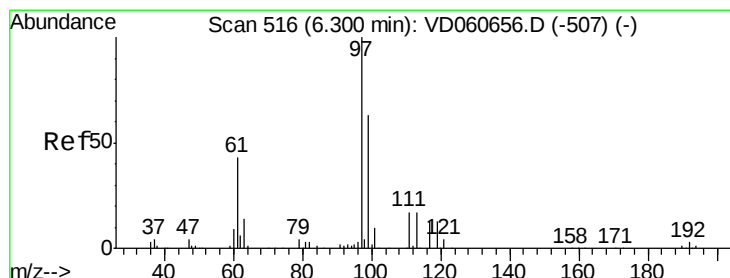
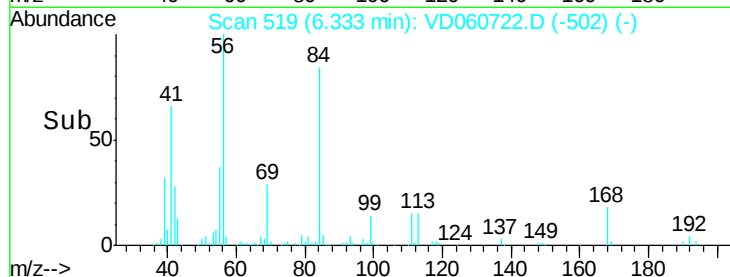
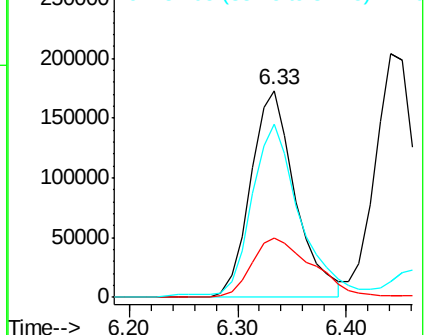
56 100

69 29.0 23.6 35.4

84 83.6 65.8 98.6



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



#32

1,1,1-Trichloroethane

Concen: 19.771 ug/l

RT: 6.25 min Scan# 511

Delta R.T. -0.04 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

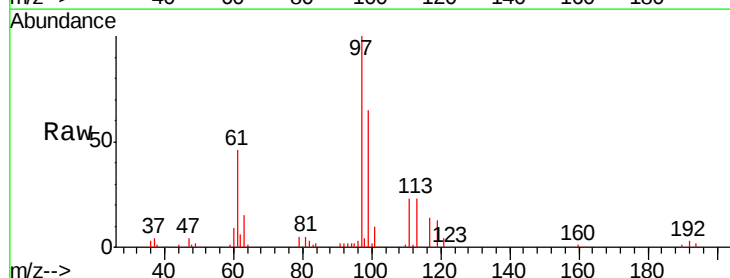
Tgt Ion: 97 Resp: 433439

Ion Ratio Lower Upper

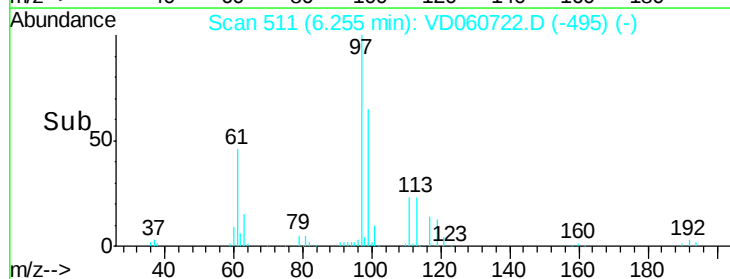
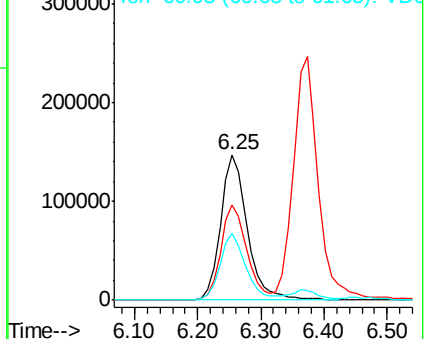
97 100

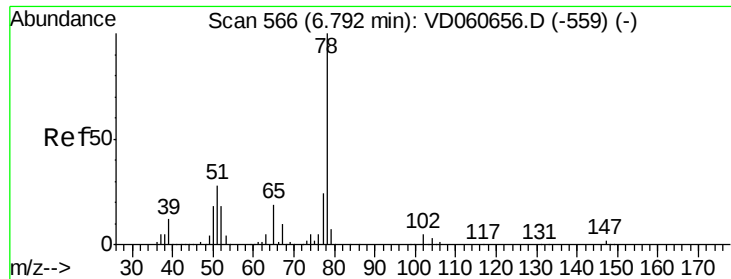
99 65.0 50.5 75.7

61 46.4 34.6 51.8



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

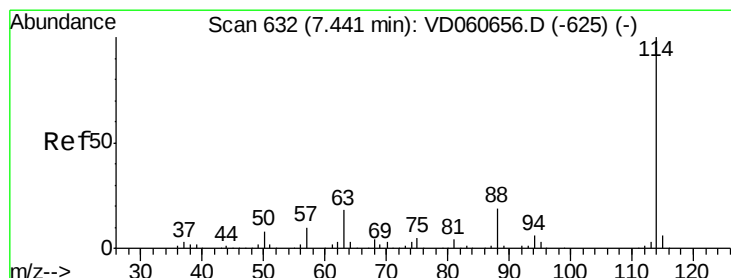
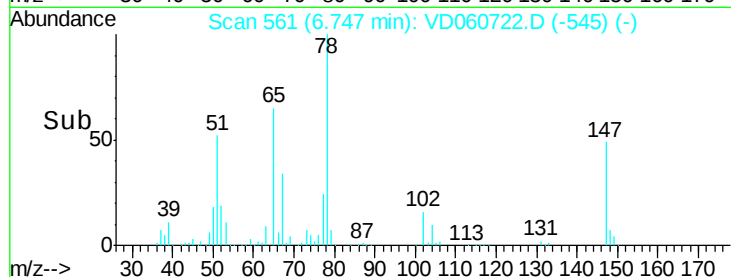
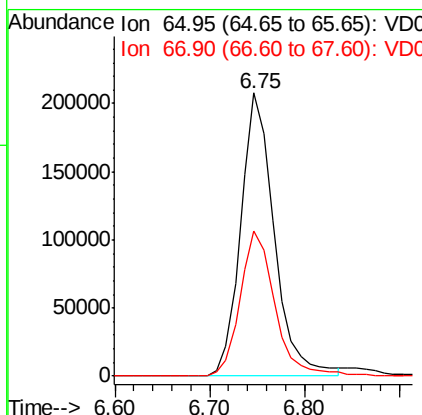
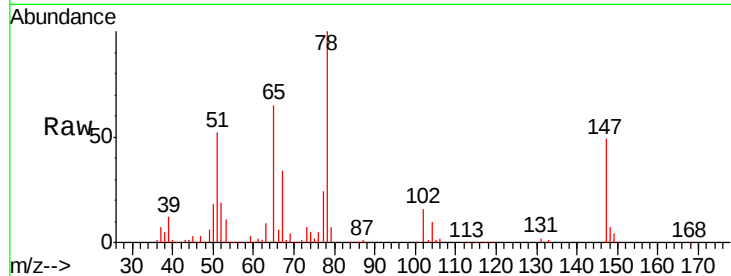




#33
 1,2-Dichloroethane-d4
 Concen: 19.771 ug/l
 RT: 6.75 min Scan# 561
 Delta R.T. -0.04 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

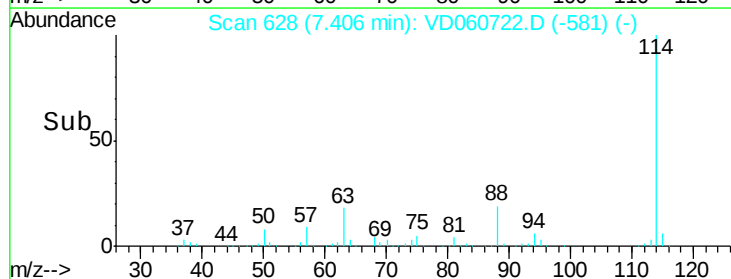
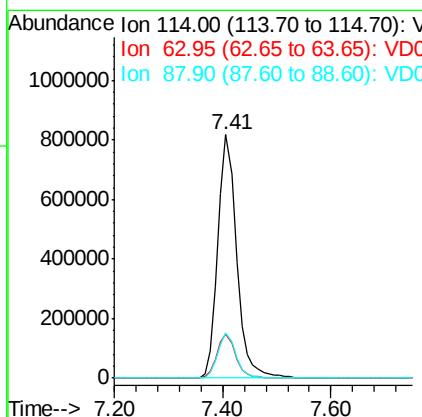
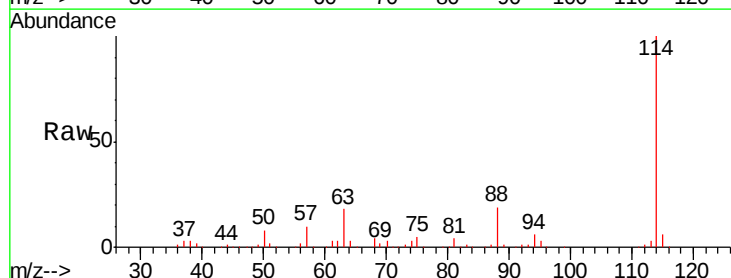
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

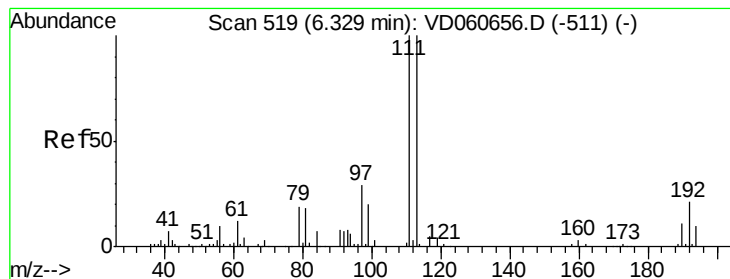
Tgt Ion: 65 Resp: 510689
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.41 min Scan# 628
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion: 114 Resp: 1972644
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.2
 88 18.6 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.28 min Scan# 514

Delta R.T. -0.04 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

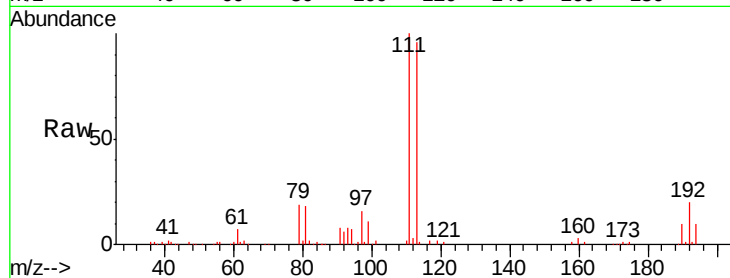
Tgt Ion:113 Resp: 792268

Ion Ratio Lower Upper

113 100

111 103.6 80.0 120.0

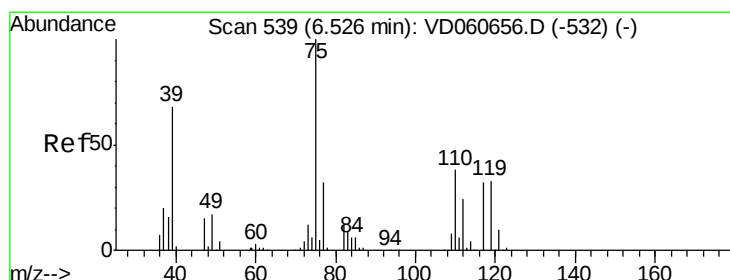
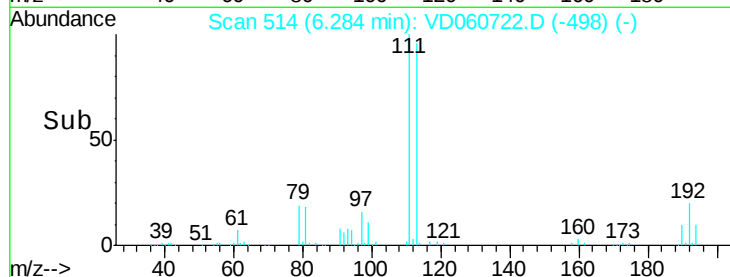
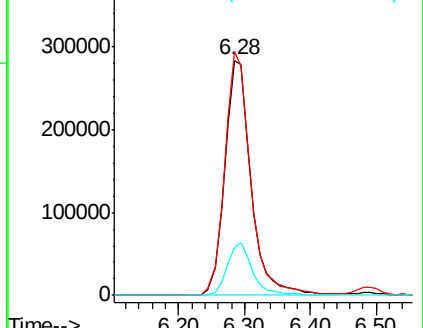
192 20.5 16.6 25.0



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: 20.030 ug/l

RT: 6.49 min Scan# 535

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

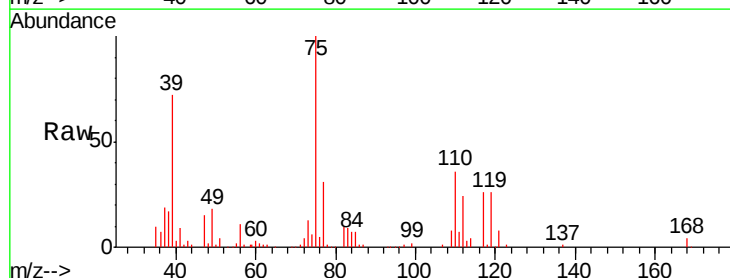
Tgt Ion: 75 Resp: 406874

Ion Ratio Lower Upper

75 100

110 35.9 18.9 56.7

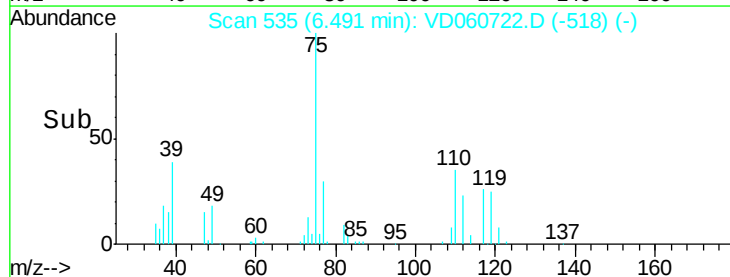
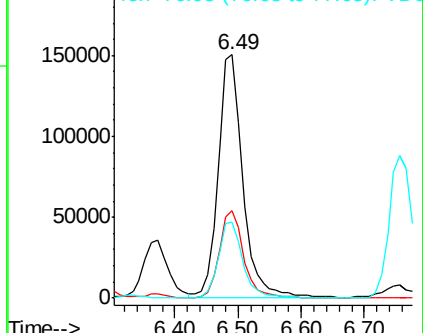
77 31.2 25.4 38.0

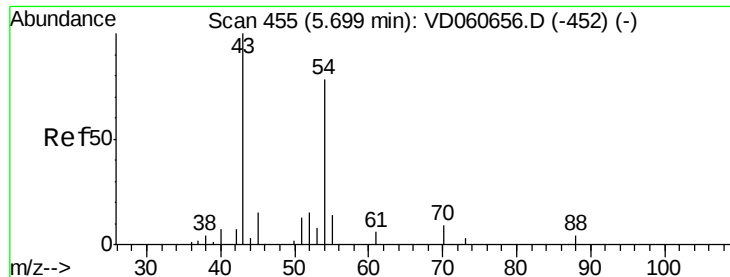


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

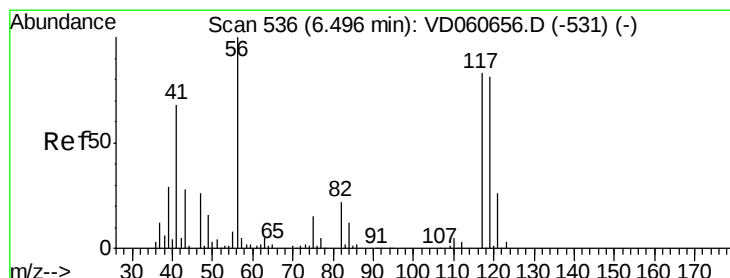
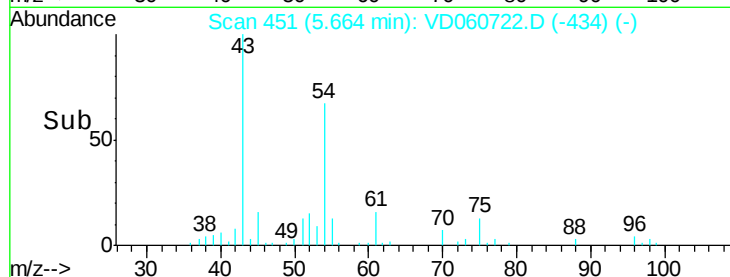
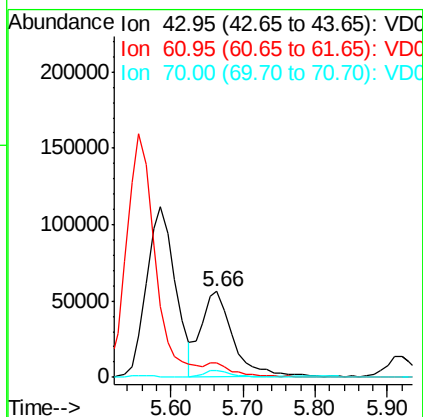
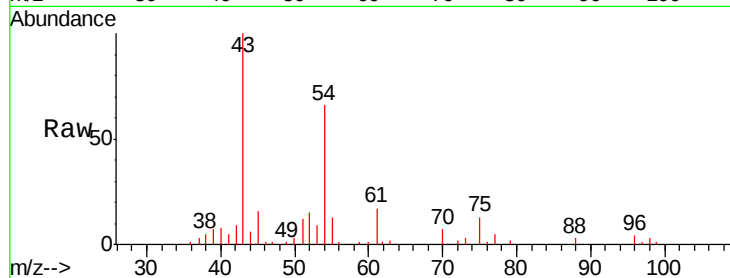




#37
Ethyl Acetate
Concen: 19.810 ug/l
RT: 5.66 min Scan# 451
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

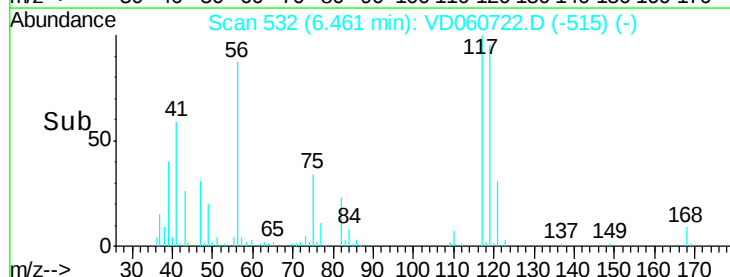
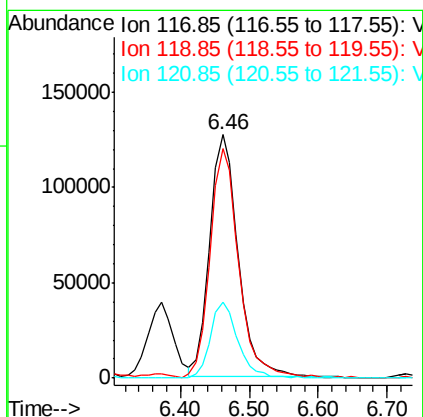
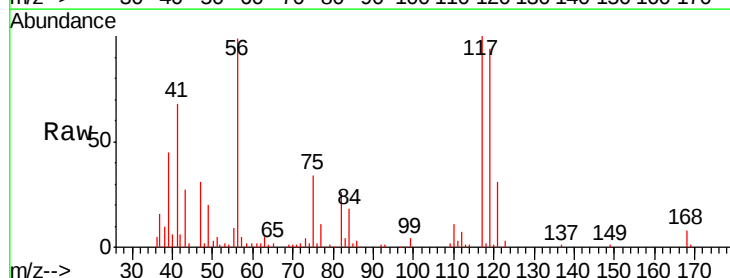
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

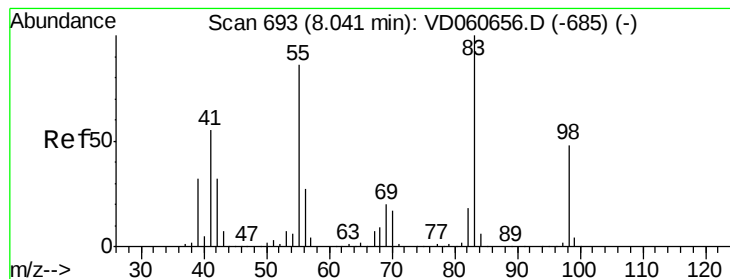
Tgt Ion: 43 Resp: 168290
Ion Ratio Lower Upper
43 100
61 17.0 11.8 17.6
70 7.3 5.8 8.6



#38
Carbon Tetrachloride
Concen: 20.390 ug/l
RT: 6.46 min Scan# 532
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 117 Resp: 365392
Ion Ratio Lower Upper
117 100
119 94.4 77.0 115.4
121 31.1 24.7 37.1





#39

Methylcyclohexane

Concen: 20.119 ug/l

RT: 8.01 min Scan# 689

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

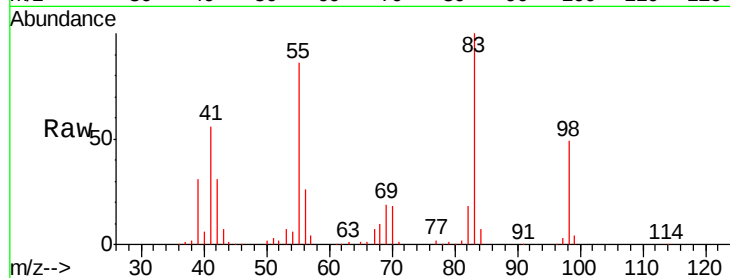
Tgt Ion: 83 Resp: 466085

Ion Ratio Lower Upper

83 100

55 85.7 68.6 102.8

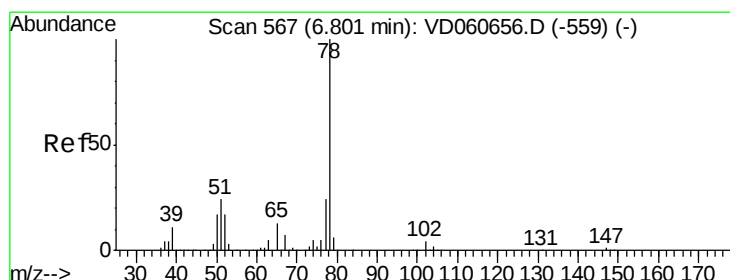
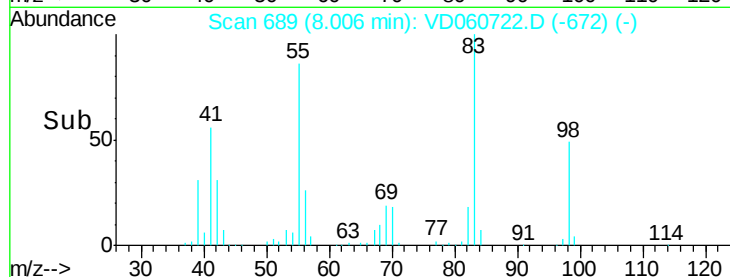
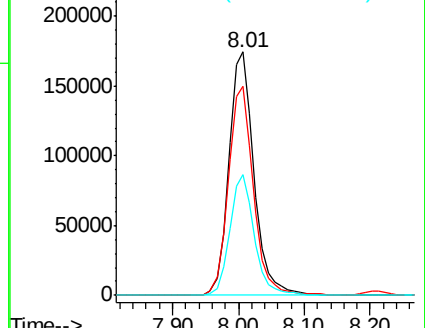
98 49.4 38.1 57.1



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.356 ug/l

RT: 6.76 min Scan# 562

Delta R.T. -0.04 min

Lab File: VD060722.D

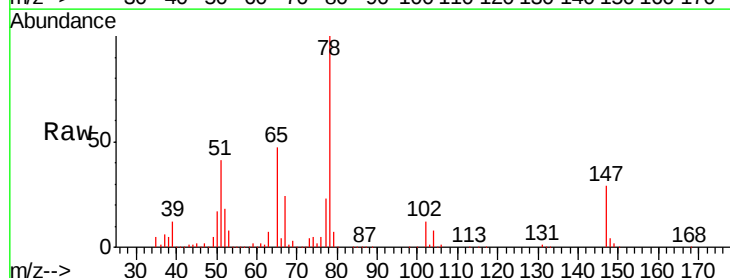
Acq: 27 Dec 2018 13:15

Tgt Ion: 78 Resp: 1015585

Ion Ratio Lower Upper

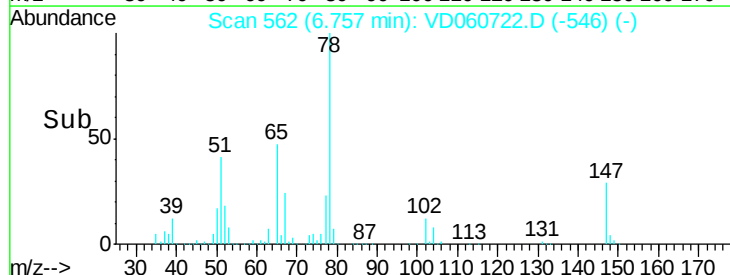
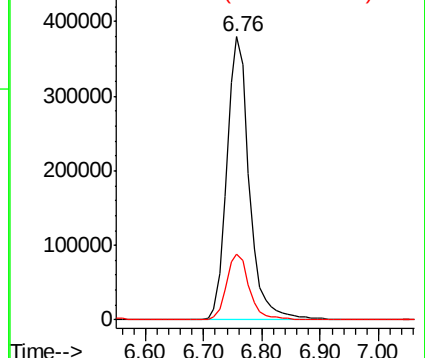
78 100

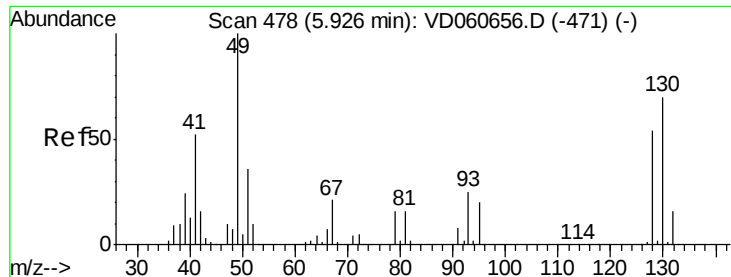
77 23.2 19.2 28.8



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 40.506 ug/l

RT: 5.91 min Scan# 476

Delta R.T. -0.02 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tgt Ion: 41 Resp: 190340

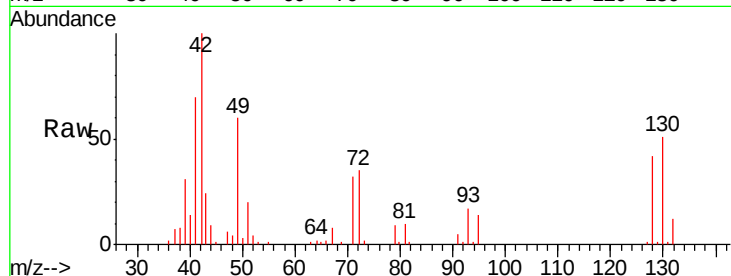
Ion Ratio Lower Upper

41 100

39 44.7 37.6 56.4

67 11.9 33.0 49.6#

52 5.9 15.5 23.3#

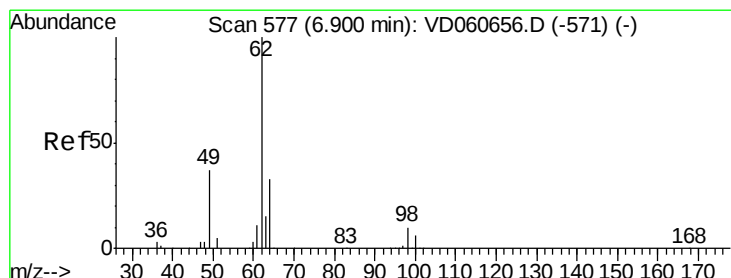
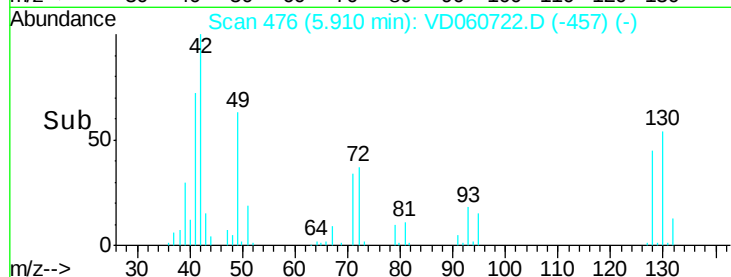
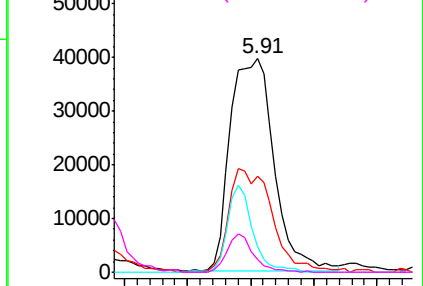


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 19.610 ug/l

RT: 6.86 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD060722.D

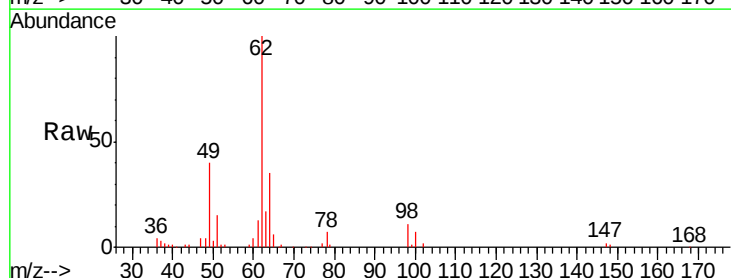
Acq: 27 Dec 2018 13:15

Tgt Ion: 62 Resp: 255332

Ion Ratio Lower Upper

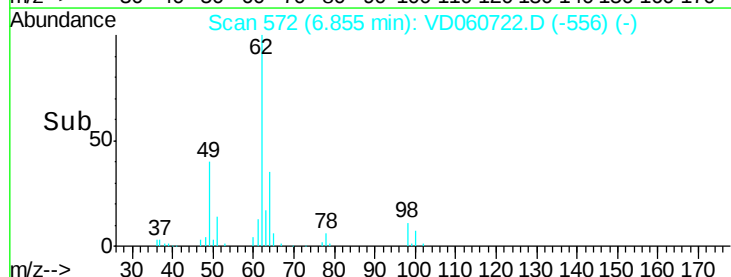
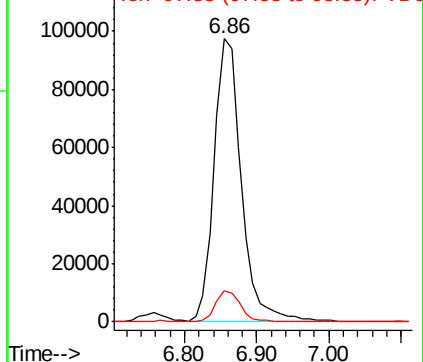
62 100

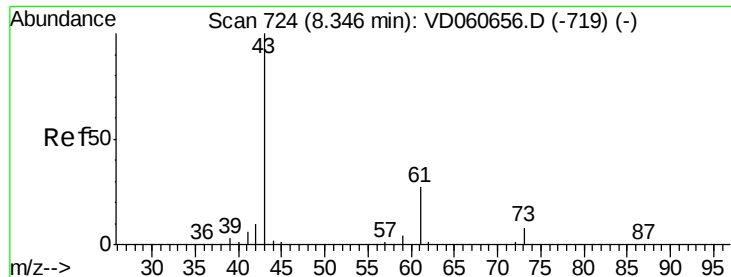
98 11.0 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.512 ug/l

RT: 8.31 min Scan# 720

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

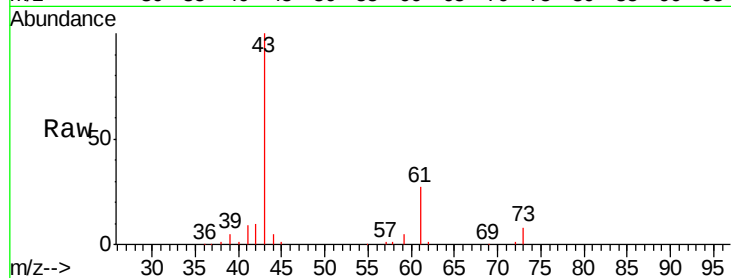
Tgt Ion: 43 Resp: 201821

Ion Ratio Lower Upper

43 100

61 27.4 21.8 32.8

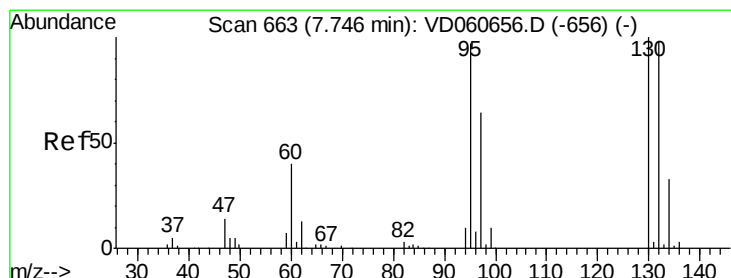
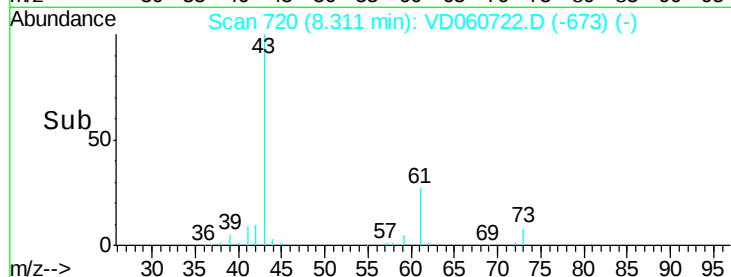
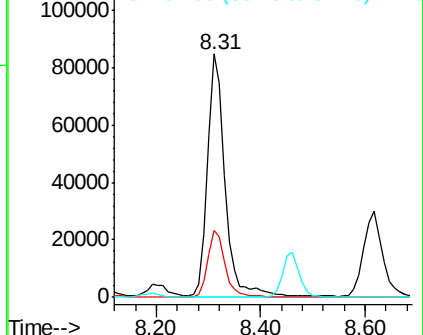
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.885 ug/l

RT: 7.70 min Scan# 658

Delta R.T. -0.04 min

Lab File: VD060722.D

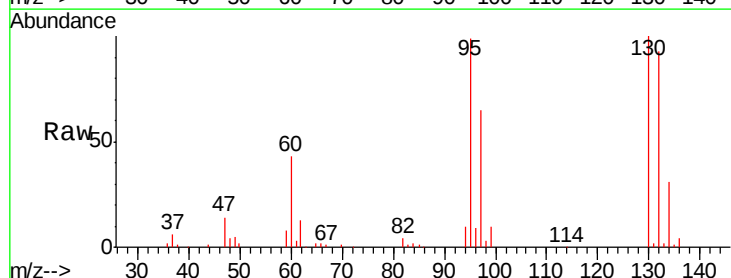
Acq: 27 Dec 2018 13:15

Tgt Ion:130 Resp: 308804

Ion Ratio Lower Upper

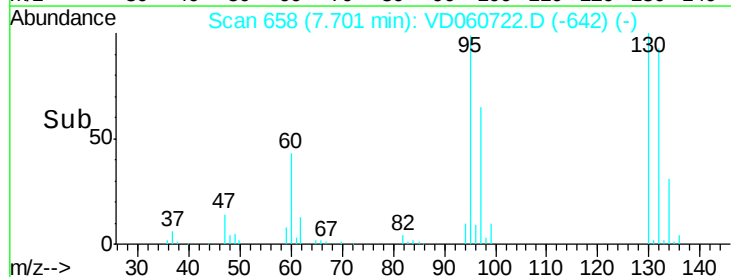
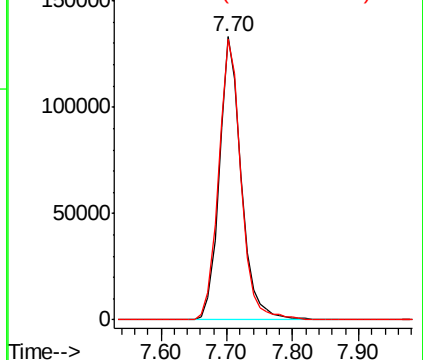
130 100

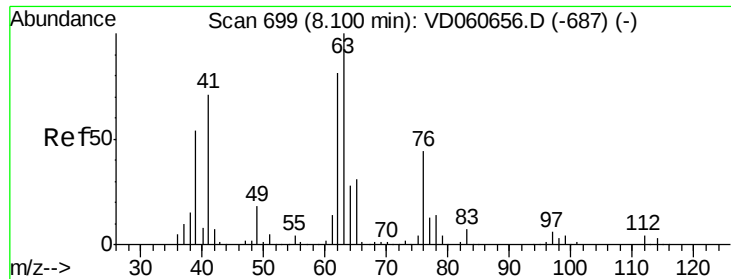
95 99.2 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.452 ug/l

RT: 8.07 min Scan# 695

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

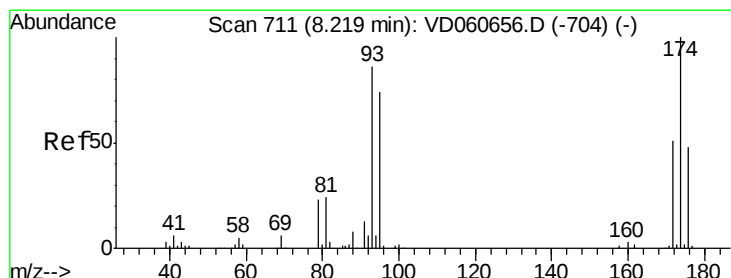
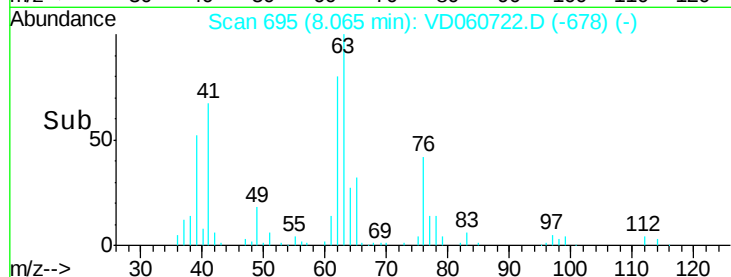
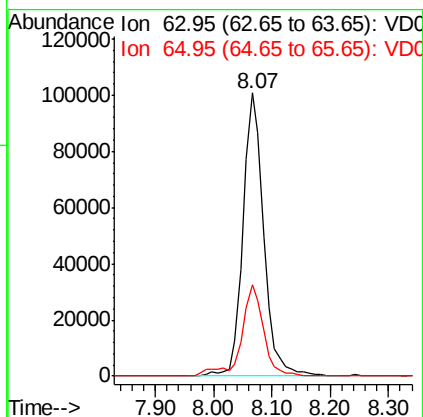
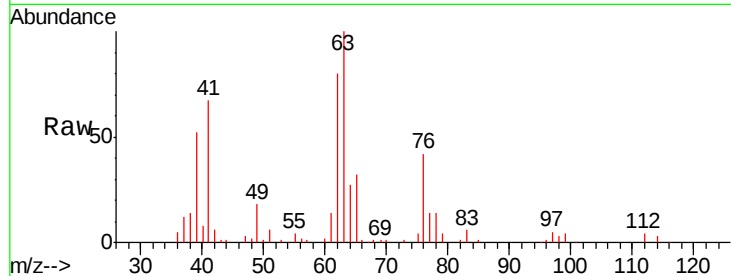
VD1227SBS01

Tgt Ion: 63 Resp: 250296

Ion Ratio Lower Upper

63 100

65 32.2 25.0 37.6



#46

Dibromomethane

Concen: 19.521 ug/l

RT: 8.18 min Scan# 707

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

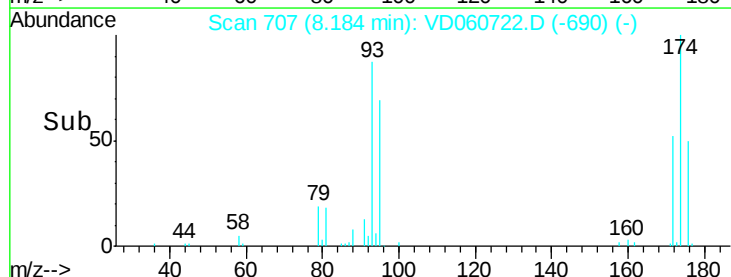
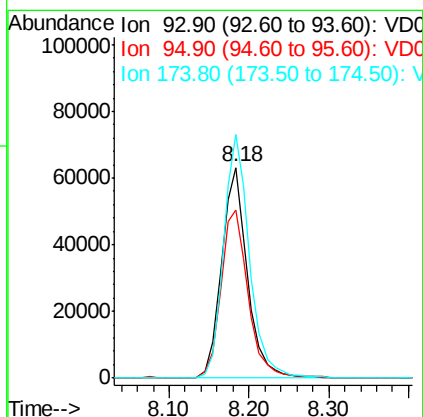
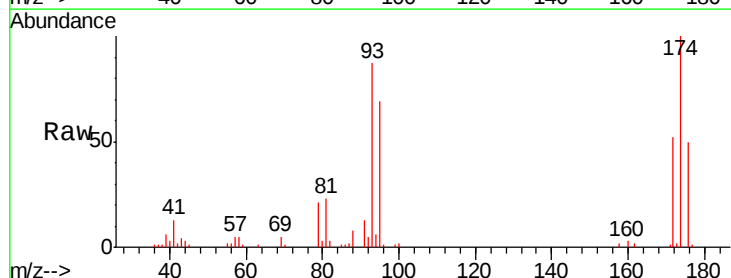
Tgt Ion: 93 Resp: 143364

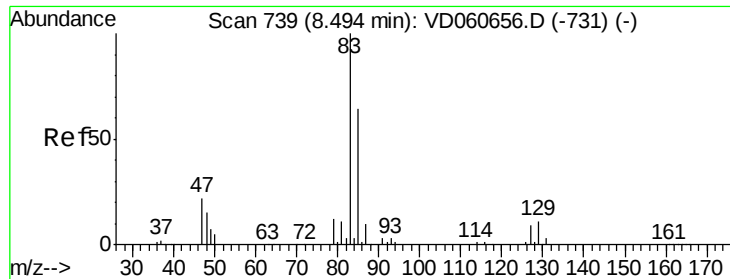
Ion Ratio Lower Upper

93 100

95 79.7 68.8 103.2

174 115.5 93.0 139.4





#47

Bromodichloromethane

Concen: 19.894 ug/l

RT: 8.45 min Scan# 734

Delta R.T. -0.04 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

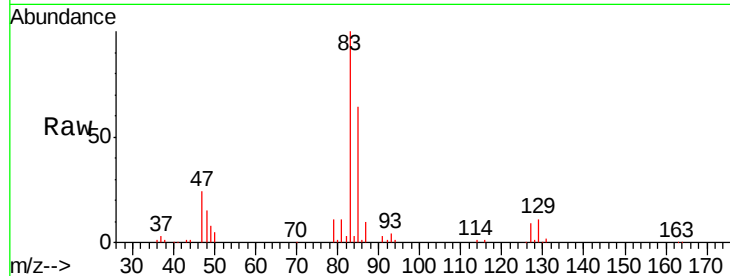
Tgt Ion: 83 Resp: 346046

Ion Ratio Lower Upper

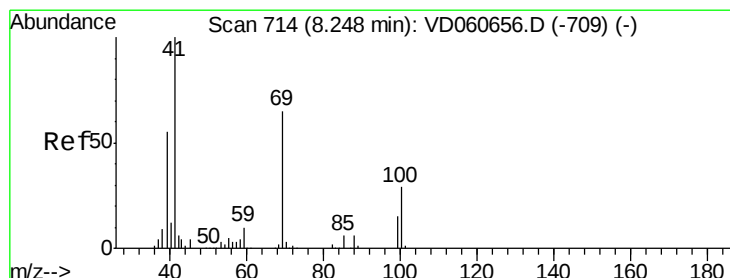
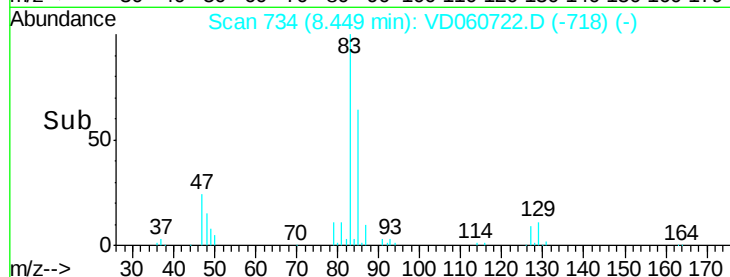
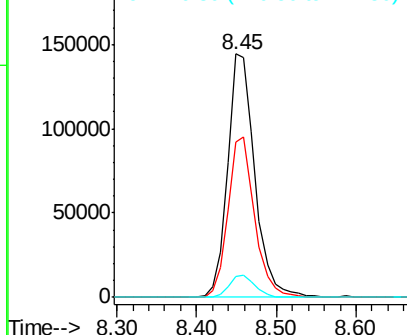
83 100

85 63.8 51.1 76.7

127 8.7 7.0 10.6



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: 19.365 ug/l

RT: 8.21 min Scan# 710

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

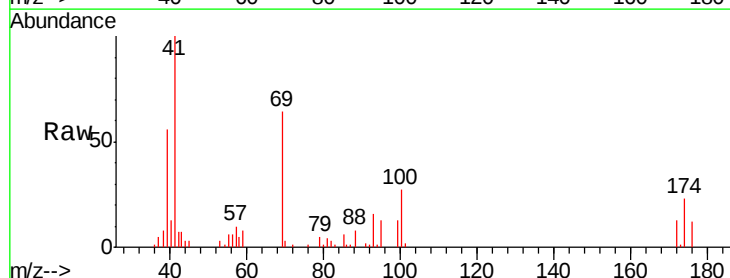
Tgt Ion: 41 Resp: 128223

Ion Ratio Lower Upper

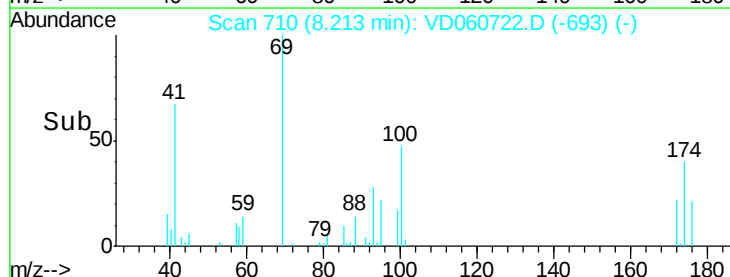
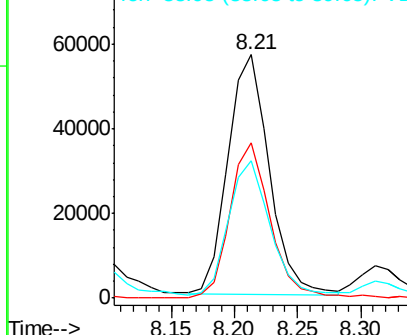
41 100

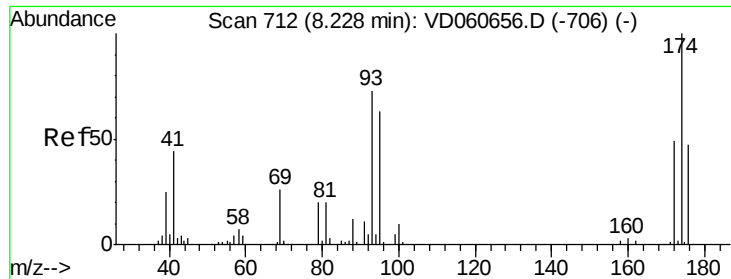
69 63.6 51.2 76.8

39 56.4 44.6 67.0



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

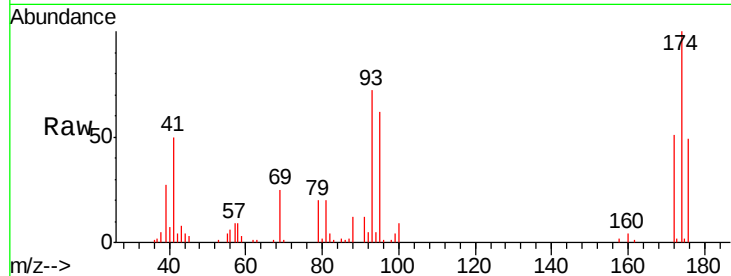




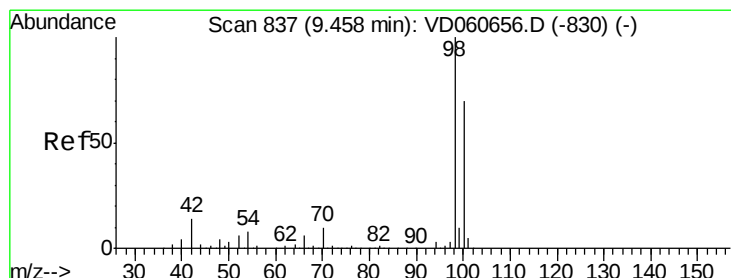
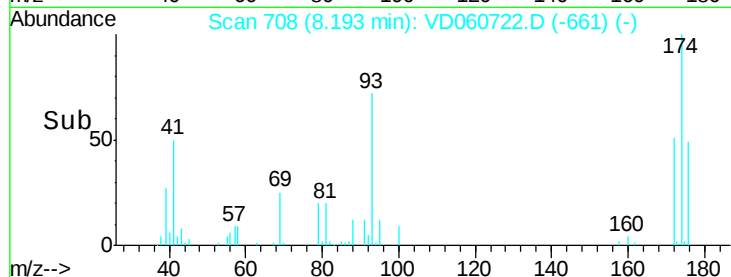
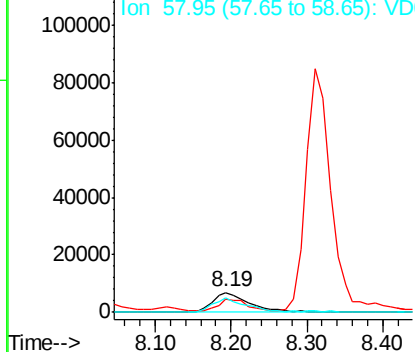
#49
1,4-Dioxane
Concen: 380.278 ug/l
RT: 8.19 min Scan# 708
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tgt Ion: 88 Resp: 23412
Ion Ratio Lower Upper
88 100
43 65.2 31.5 47.3#
58 69.8 50.6 76.0

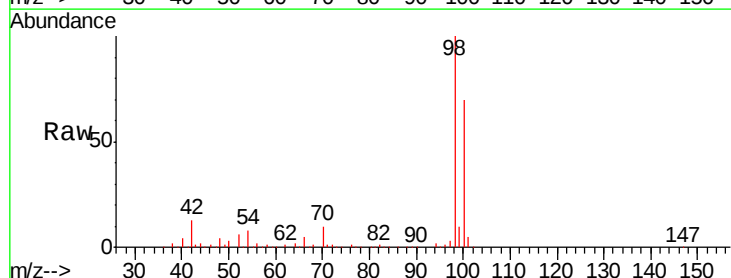


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

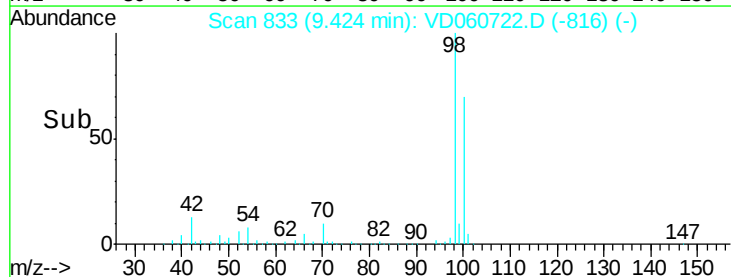
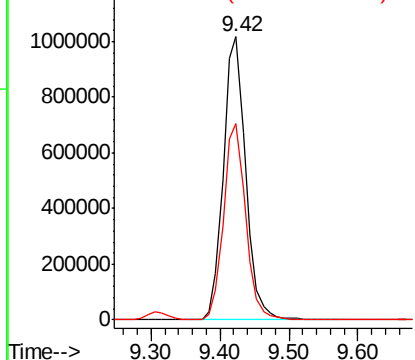


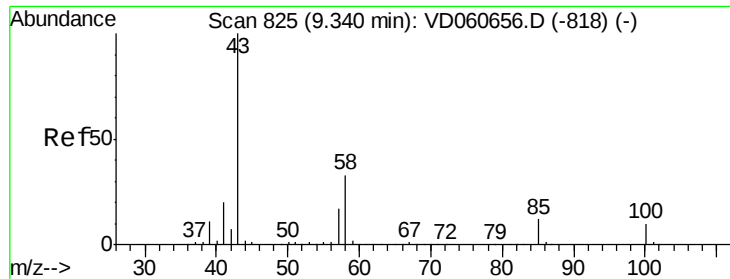
#50
Toluene-d8
Concen: 380.278 ug/l
RT: 9.42 min Scan# 833
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 98 Resp: 2279503
Ion Ratio Lower Upper
98 100
100 69.6 55.8 83.8



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

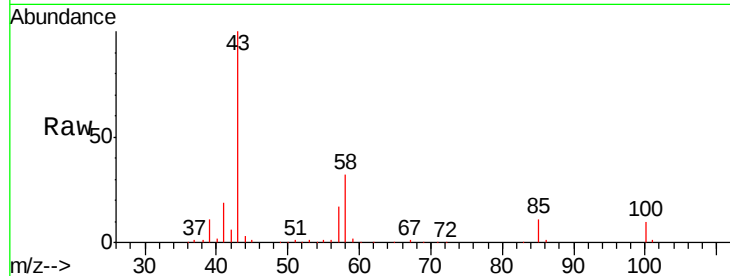




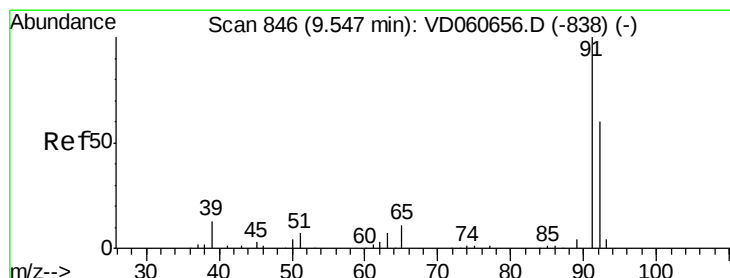
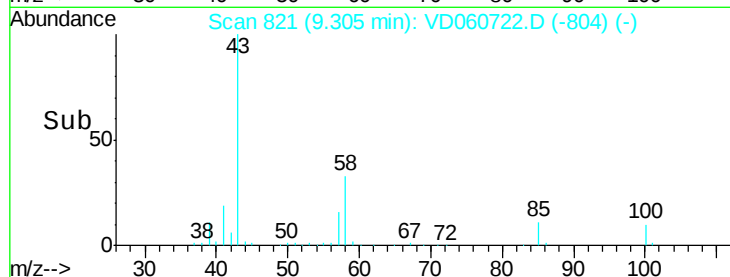
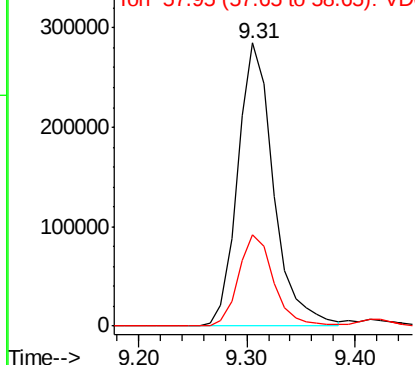
#51
4-Methyl-2-Pentanone
Concen: 97.857 ug/l
RT: 9.31 min Scan# 821
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tgt Ion: 43 Resp: 653617
Ion Ratio Lower Upper
43 100
58 32.2 26.3 39.5

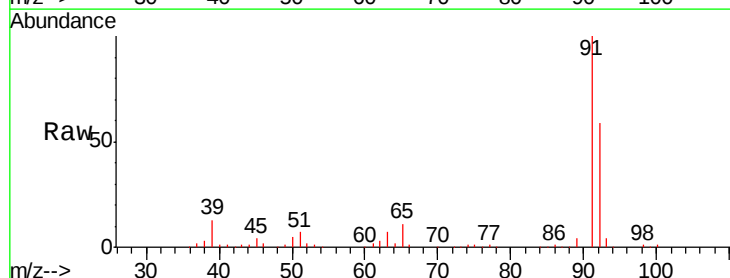


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

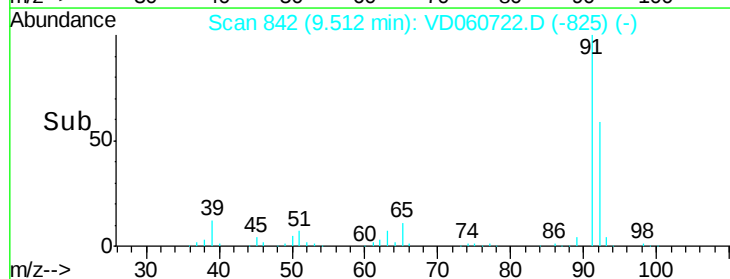
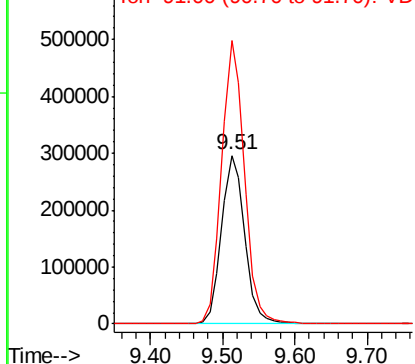


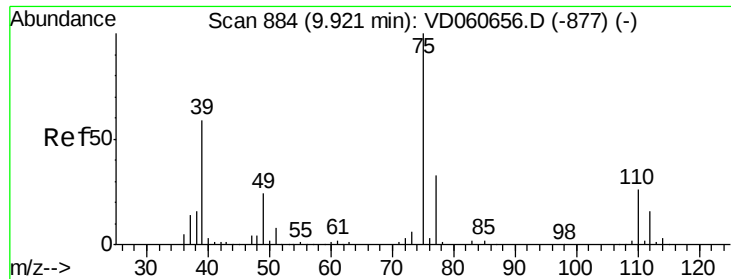
#52
Toluene
Concen: 20.022 ug/l
RT: 9.51 min Scan# 842
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 92 Resp: 658583
Ion Ratio Lower Upper
92 100
91 168.1 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

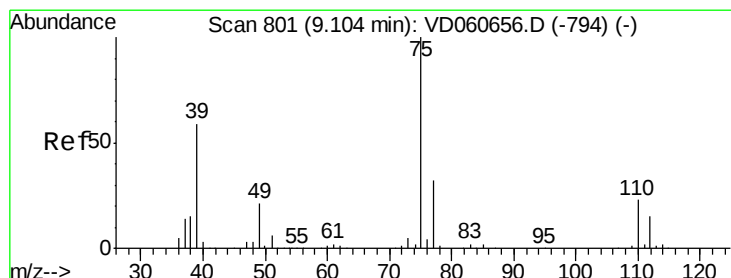
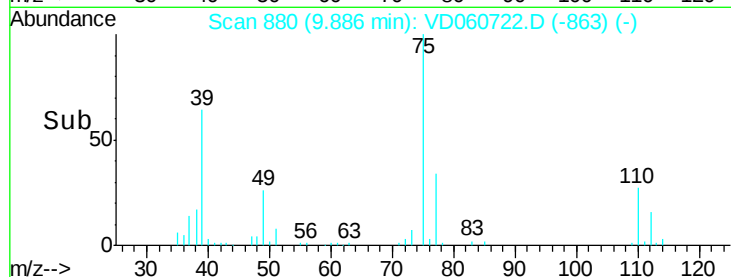
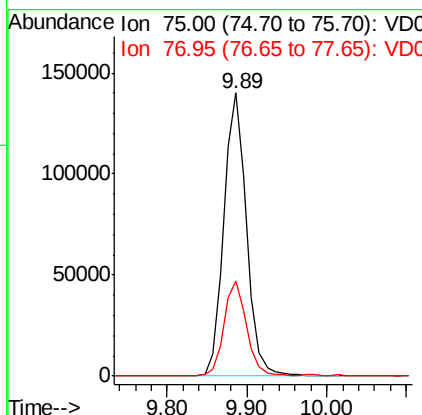
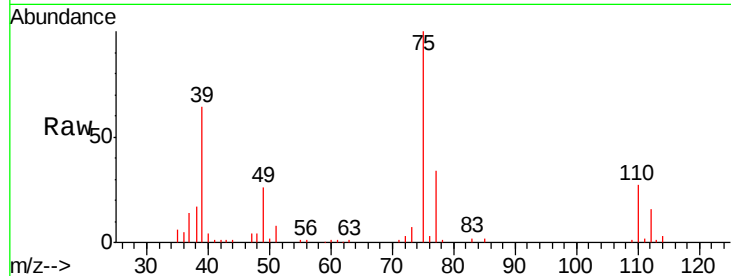




#53
 t-1,3-Dichloropropene
 Concen: 19.379 ug/l
 RT: 9.89 min Scan# 880
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

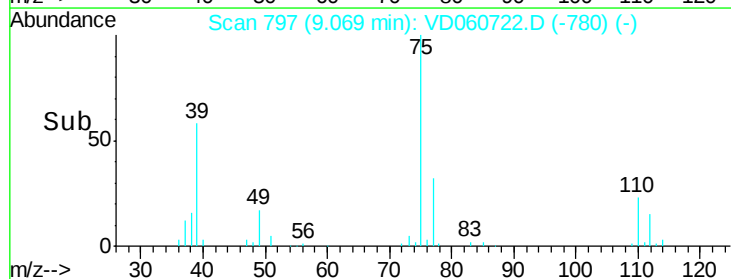
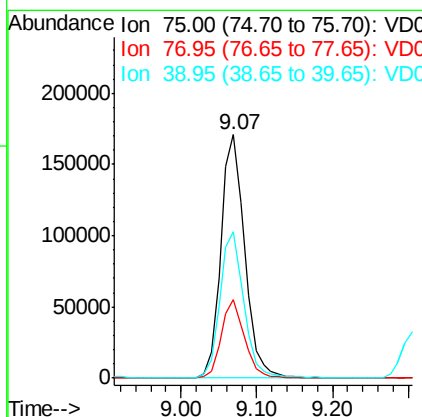
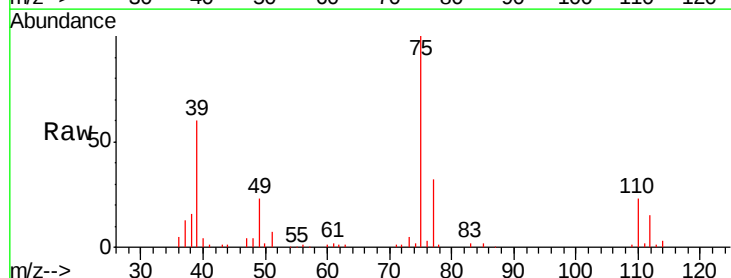
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

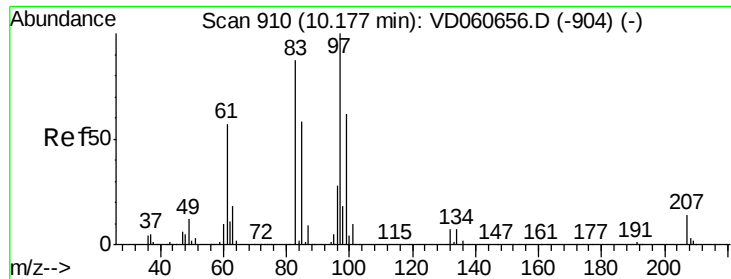
Tgt Ion: 75 Resp: 281221
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 19.676 ug/l
 RT: 9.07 min Scan# 797
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion: 75 Resp: 373734
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2
 39 59.9 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 20.484 ug/l

RT: 10.15 min Scan# 907

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

Tgt Ion: 97 Resp: 181289

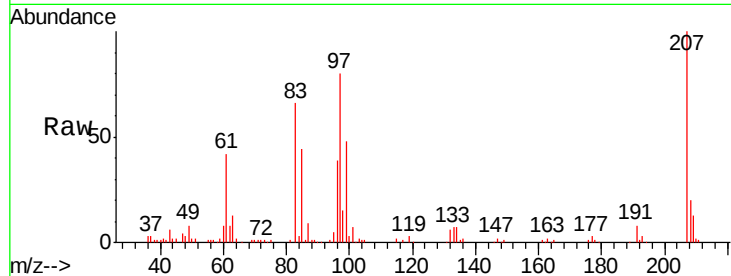
Ion Ratio Lower Upper

97 100

83 82.6 70.0 105.0

85 54.9 46.6 70.0

99 60.1 49.6 74.4

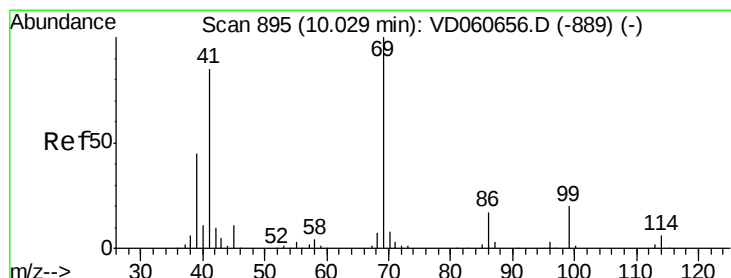
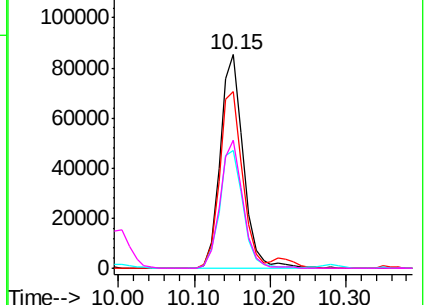
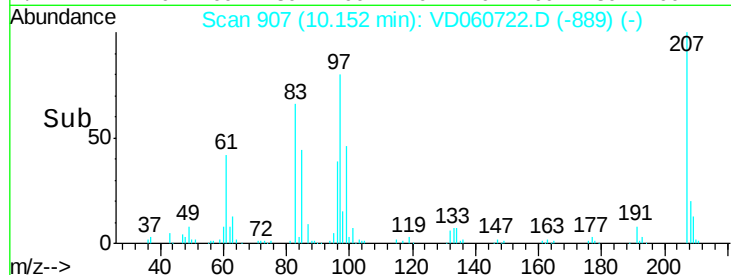


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 18.402 ug/l

RT: 9.99 min Scan# 891

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

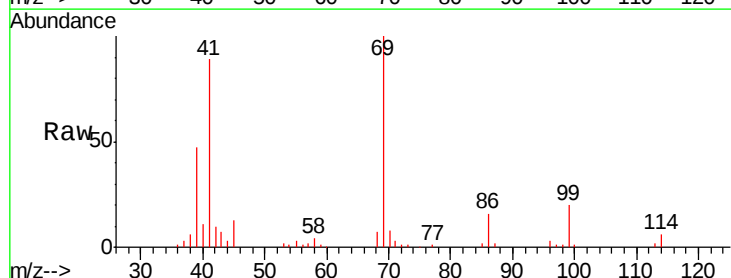
Tgt Ion: 69 Resp: 151264

Ion Ratio Lower Upper

69 100

41 88.6 68.3 102.5

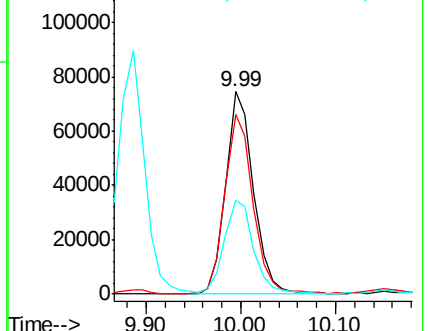
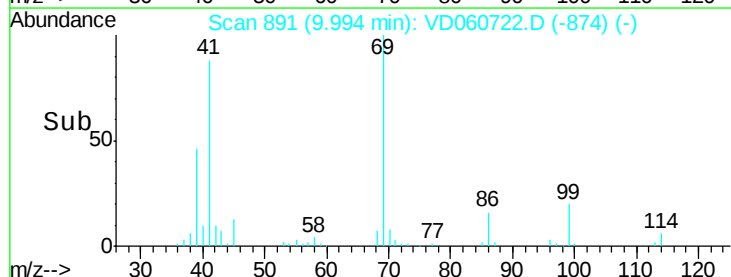
39 46.6 37.2 55.8

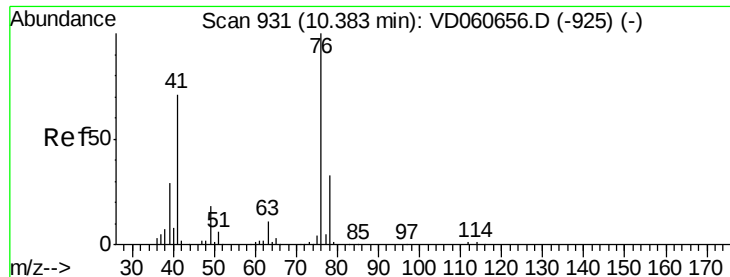


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.066 ug/l

RT: 10.35 min Scan# 927

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

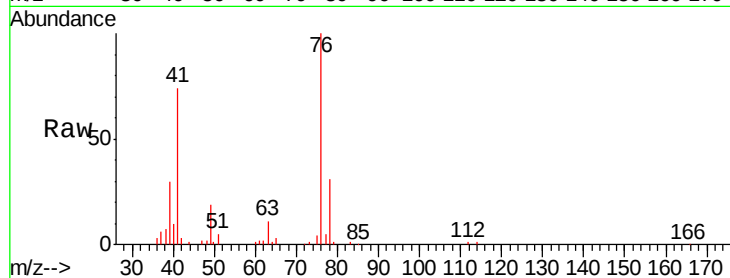
VD1227SBS01

Tgt Ion: 76 Resp: 267449

Ion Ratio Lower Upper

76 100

78 31.2 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.35

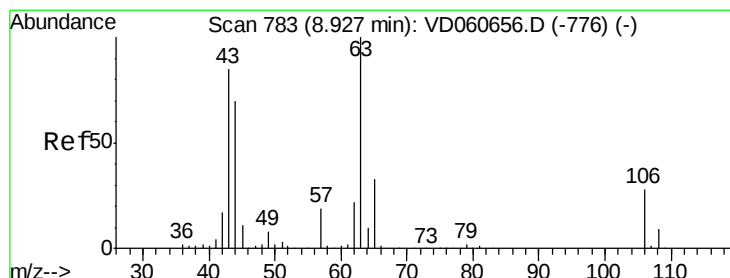
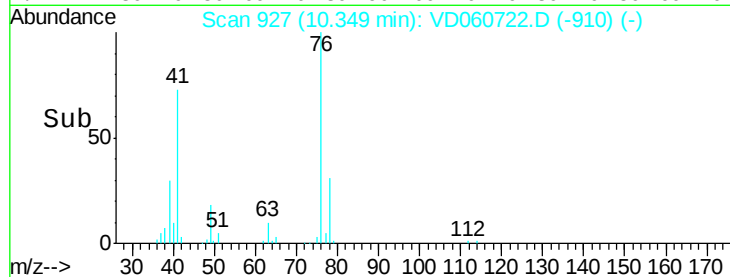
150000

100000

50000

0

Time--> 10.20 10.30 10.40 10.50



#58

2-Chloroethyl Vinyl ether

Concen: 101.557 ug/l

RT: 8.89 min Scan# 779

Delta R.T. -0.03 min

Lab File: VD060722.D

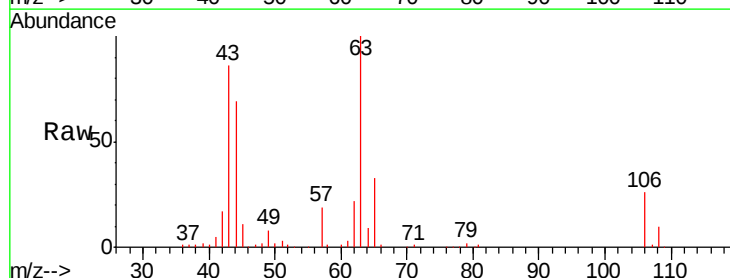
Acq: 27 Dec 2018 13:15

Tgt Ion: 63 Resp: 491896

Ion Ratio Lower Upper

63 100

106 26.5 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.89

250000

200000

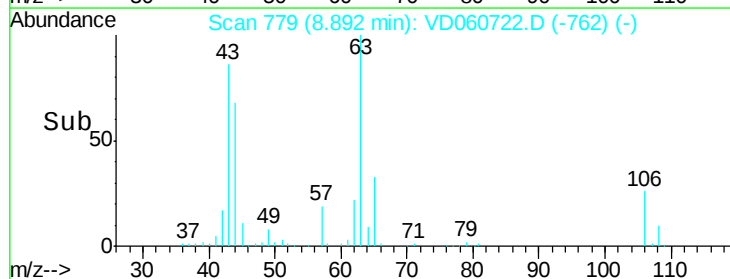
150000

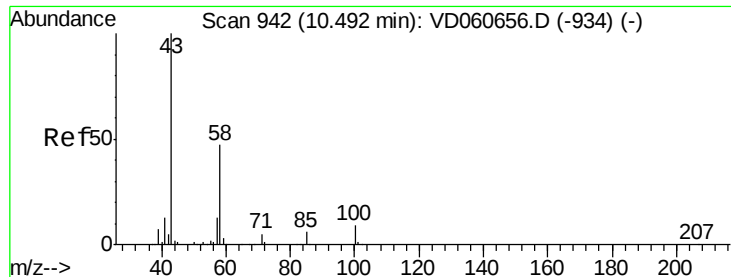
100000

50000

0

Time--> 8.80 8.90 9.00

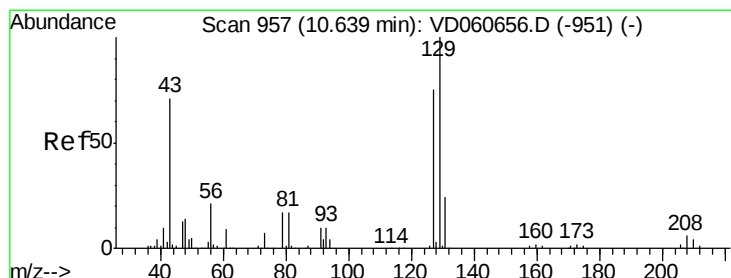
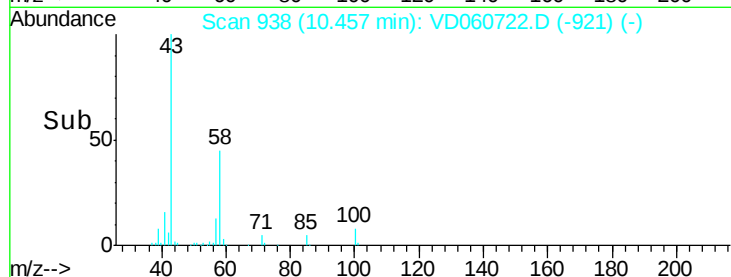
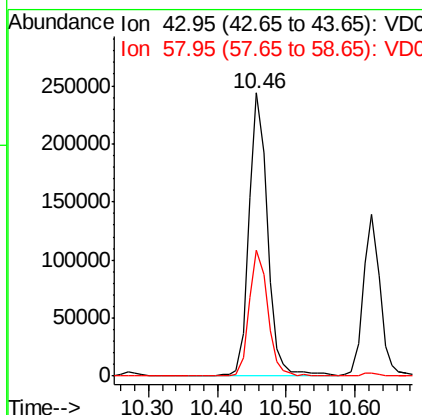
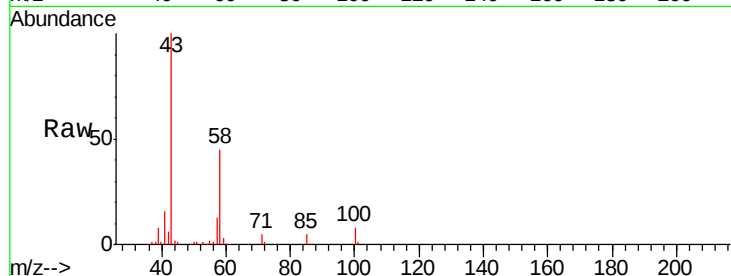




#59
2-Hexanone
Concen: 97.145 ug/l
RT: 10.46 min Scan# 938
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

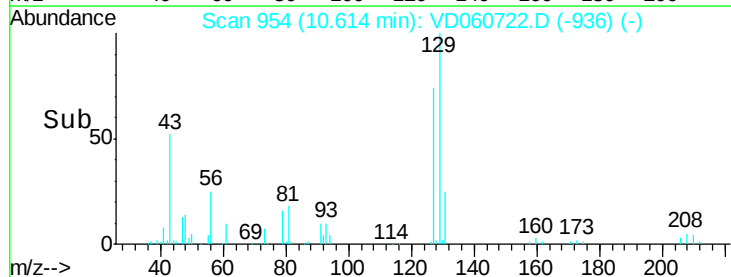
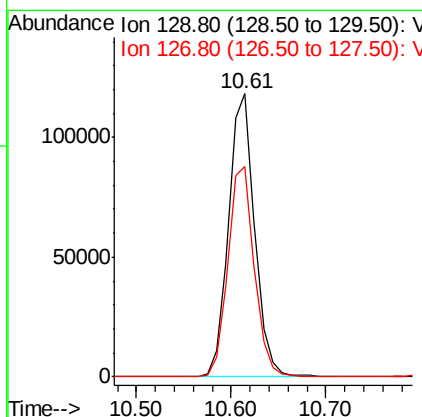
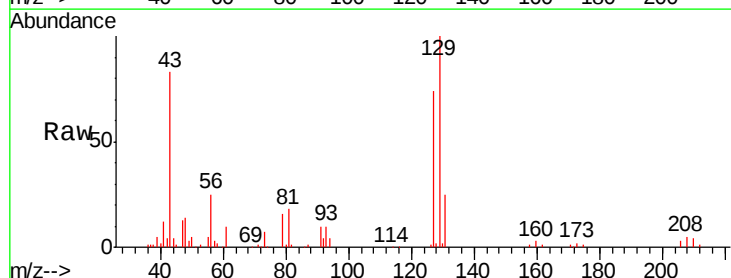
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

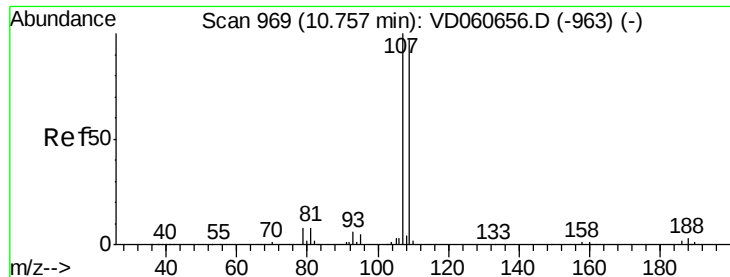
Tgt Ion: 43 Resp: 454177
Ion Ratio Lower Upper
43 100
58 44.6 23.5 70.5



#60
Dibromochloromethane
Concen: 19.926 ug/l
RT: 10.61 min Scan# 954
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 129 Resp: 224624
Ion Ratio Lower Upper
129 100
127 74.5 37.6 112.9





#61

1,2-Dibromoethane

Concen: 14.984 ug/l

RT: 10.73 min Scan# 966

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

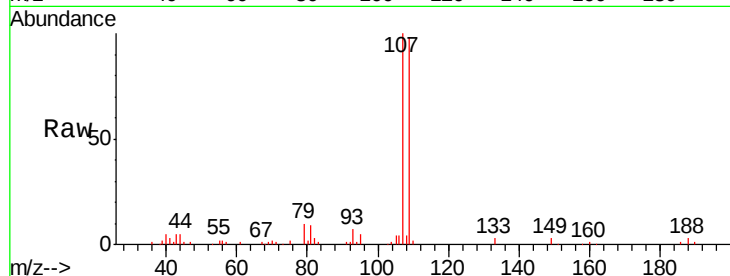
VD1227SBS01

Tgt Ion: 107 Resp: 137552

Ion Ratio Lower Upper

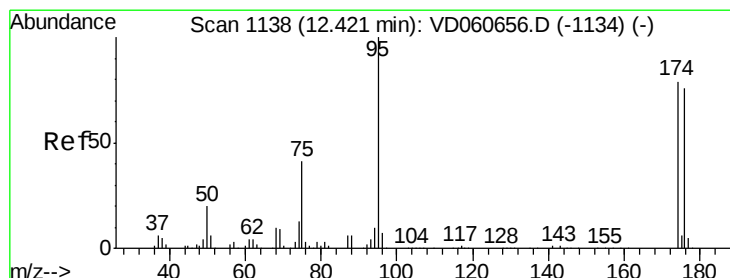
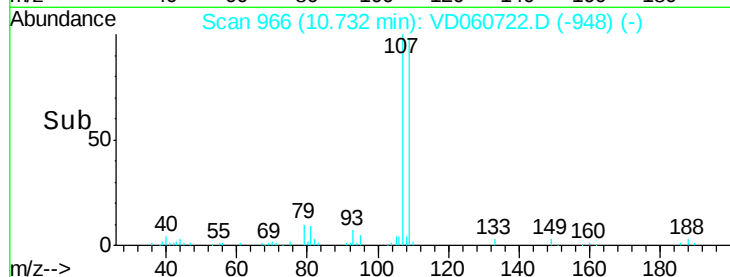
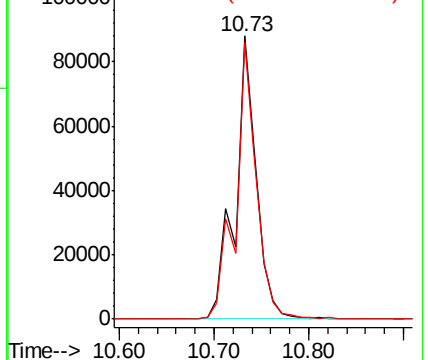
107 100

109 97.7 78.0 117.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 14.984 ug/l

RT: 12.41 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

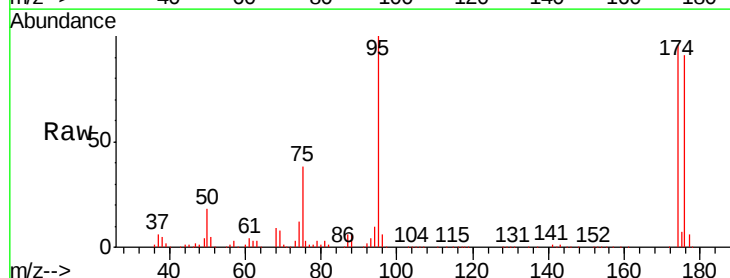
Tgt Ion: 95 Resp: 791727

Ion Ratio Lower Upper

95 100

174 96.1 0.0 158.2

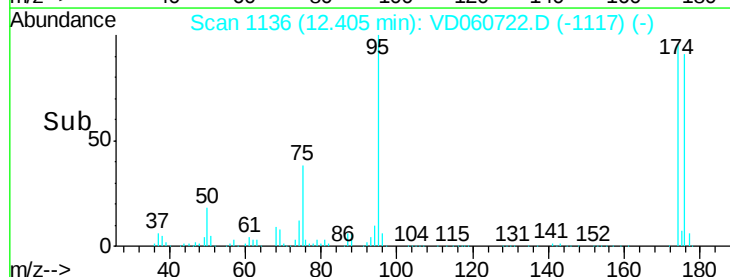
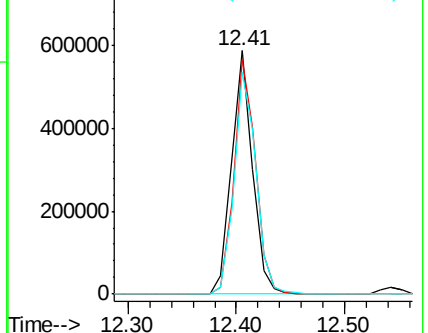
176 90.9 0.0 152.4

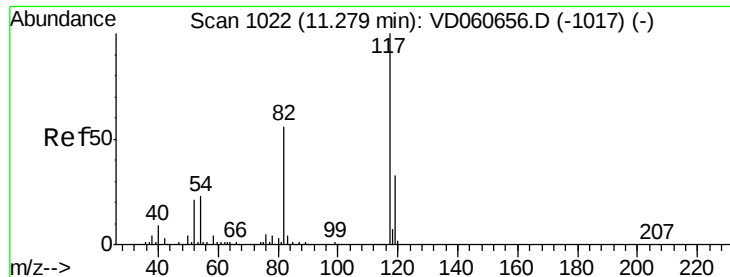


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

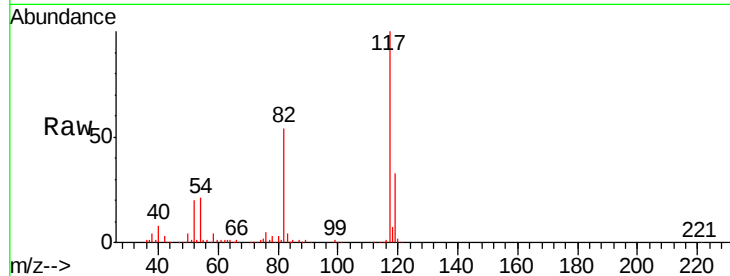




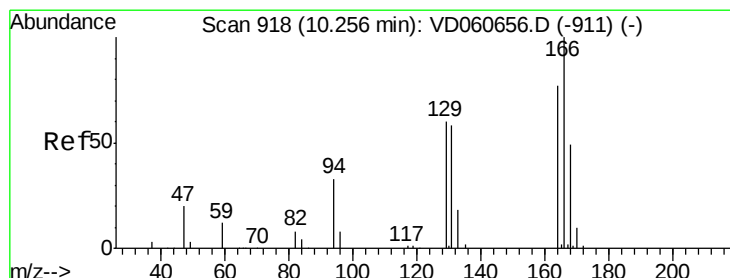
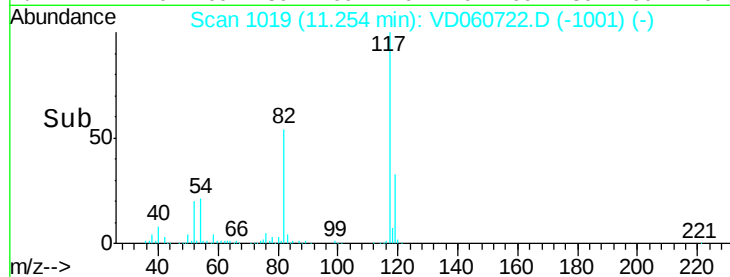
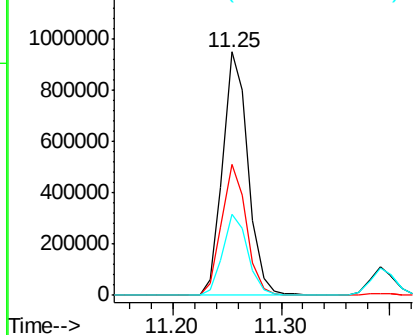
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.25 min Scan# 1019
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tgt Ion:117 Resp: 1550634
Ion Ratio Lower Upper
117 100
82 54.0 44.5 66.7
119 33.1 26.3 39.5

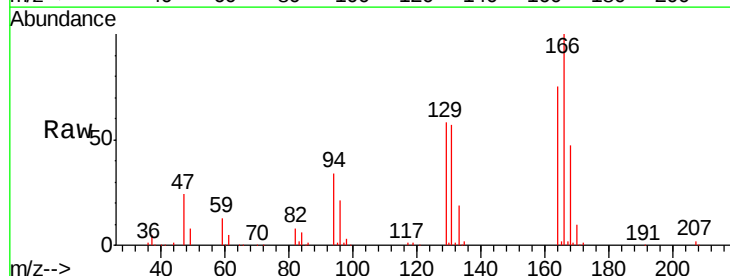


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

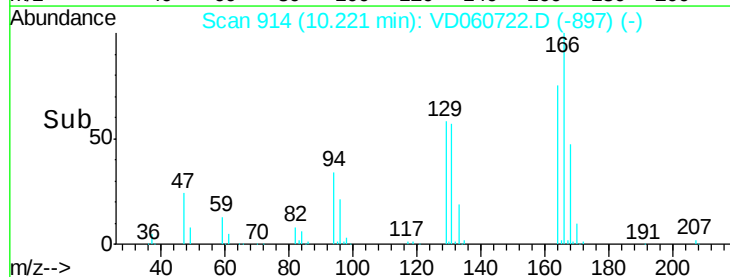
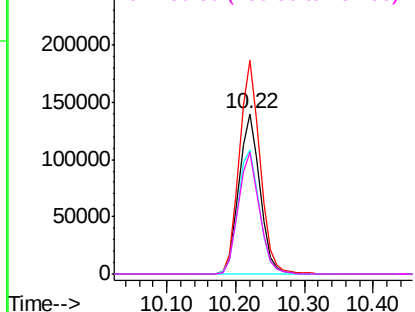


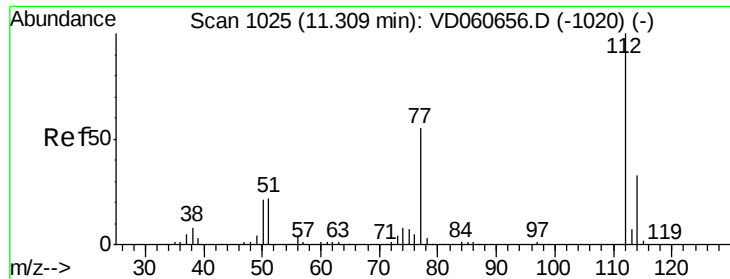
#64
Tetrachloroethene
Concen: 21.089 ug/l
RT: 10.22 min Scan# 914
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion:164 Resp: 296398
Ion Ratio Lower Upper
164 100
166 133.4 104.4 156.6
129 77.3 62.7 94.1
131 76.3 61.1 91.7



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

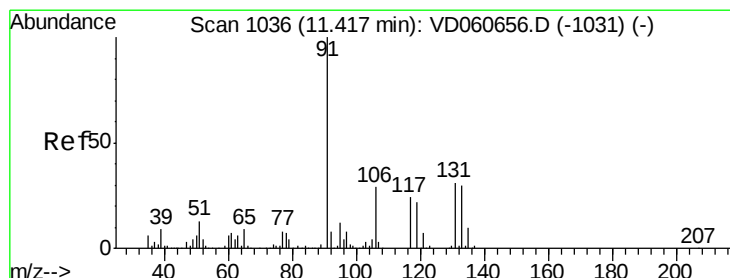
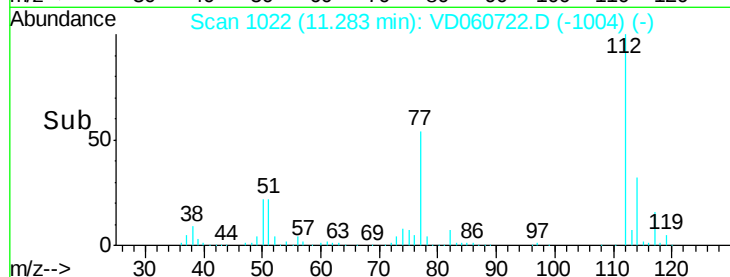
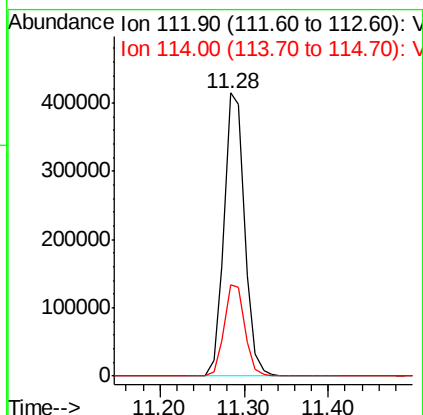
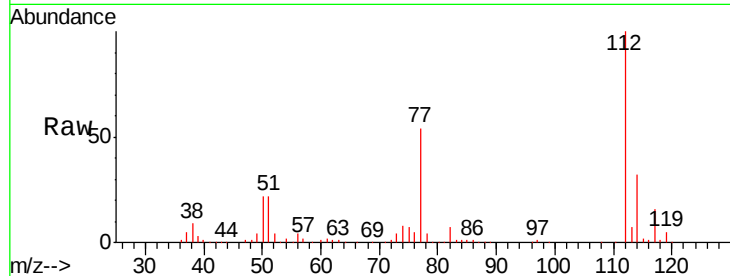




#65
Chlorobenzene
Concen: 20.600 ug/l
RT: 11.28 min Scan# 1022
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

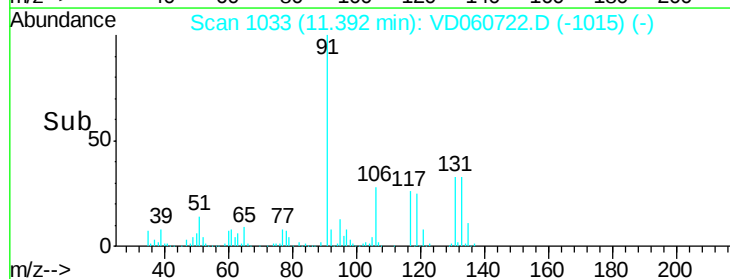
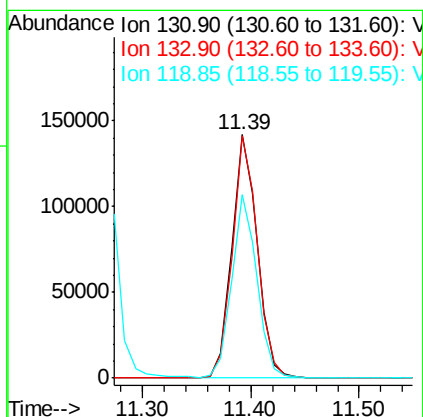
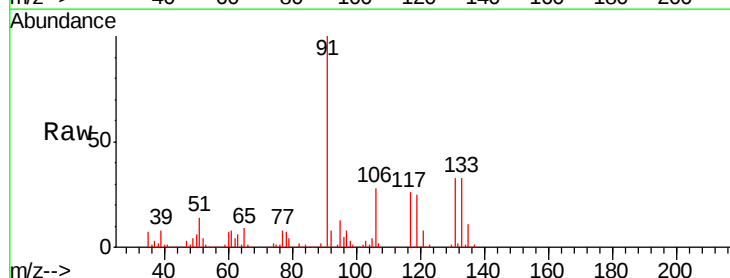
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

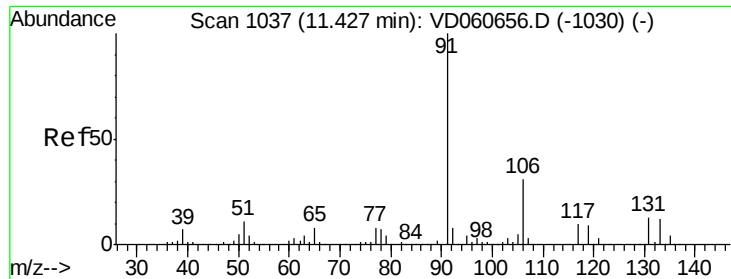
Tgt Ion:112 Resp: 705746
Ion Ratio Lower Upper
112 100
114 32.2 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 21.007 ug/l
RT: 11.39 min Scan# 1033
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion:131 Resp: 231402
Ion Ratio Lower Upper
131 100
133 99.6 49.1 147.3
119 75.2 36.6 109.8

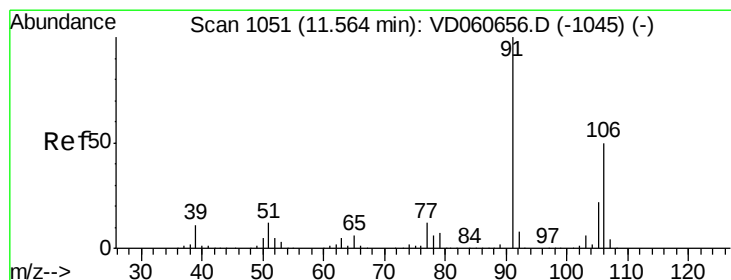
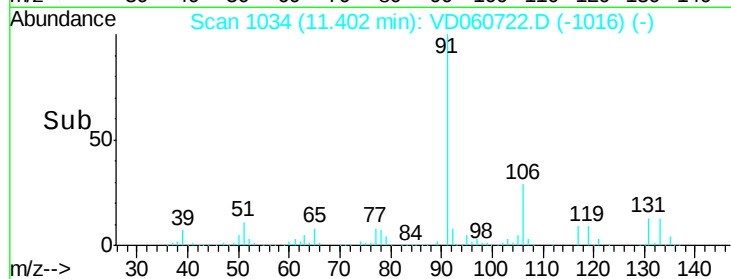
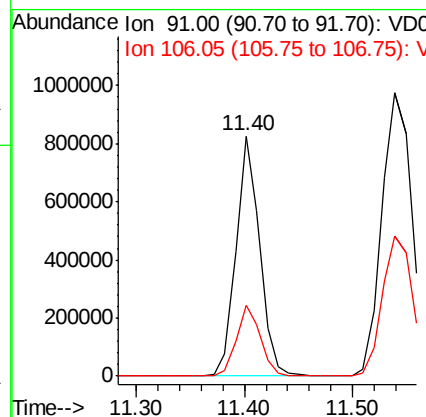
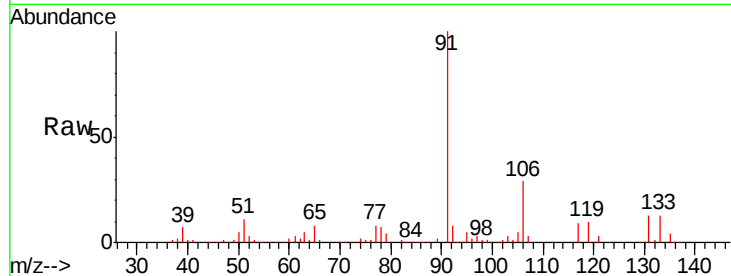




#67
Ethyl Benzene
Concen: 21.364 ug/l
RT: 11.40 min Scan# 1034
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

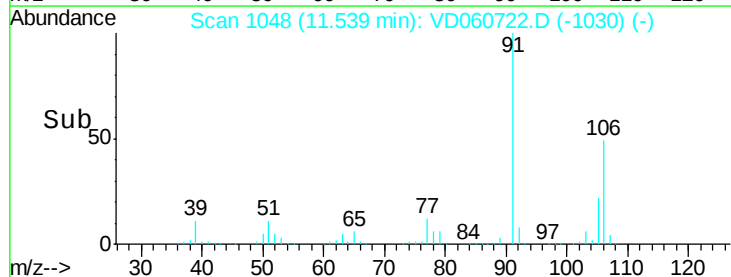
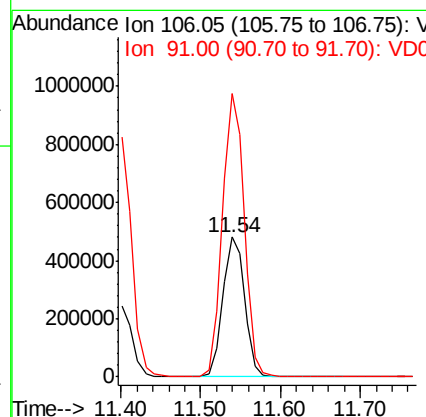
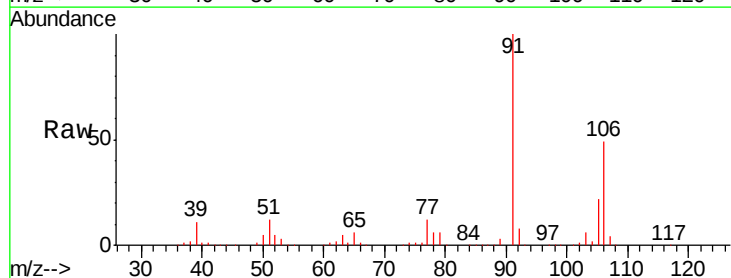
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tgt Ion: 91 Resp: 1253492
Ion Ratio Lower Upper
91 100
106 29.4 24.6 36.8



#68
m/p-Xylenes
Concen: 43.399 ug/l
RT: 11.54 min Scan# 1048
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 106 Resp: 930553
Ion Ratio Lower Upper
106 100
91 202.6 158.9 238.3

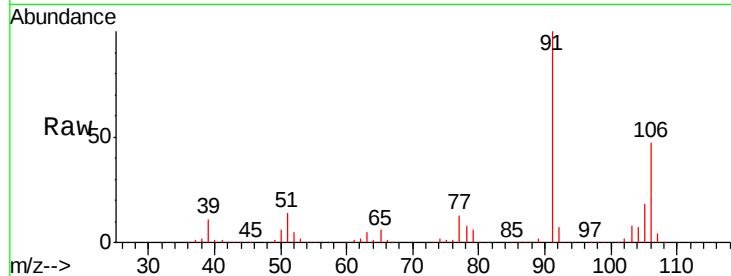




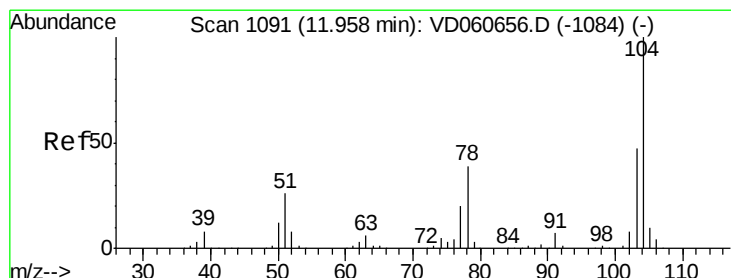
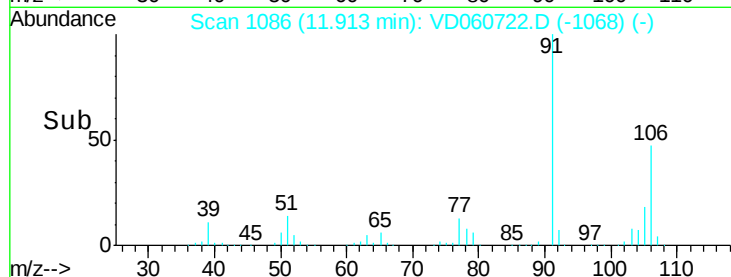
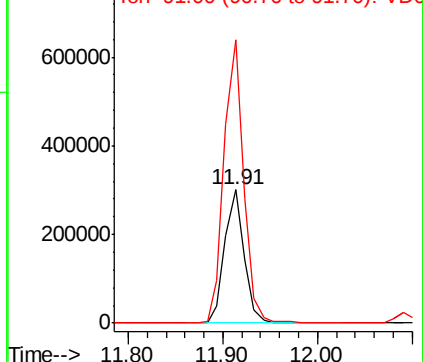
#69
o-Xylene
Concen: 21.069 ug/l
RT: 11.91 min Scan# 1086
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tgt Ion:106 Resp: 428601
Ion Ratio Lower Upper
106 100
91 212.0 101.5 304.5

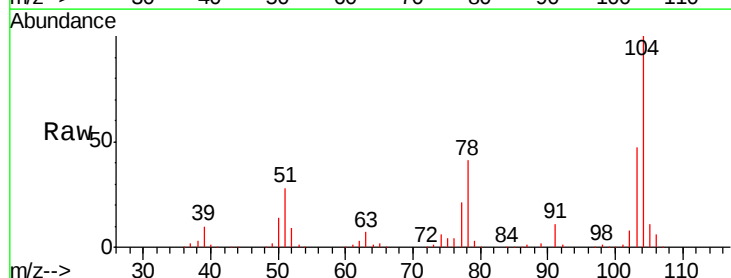


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

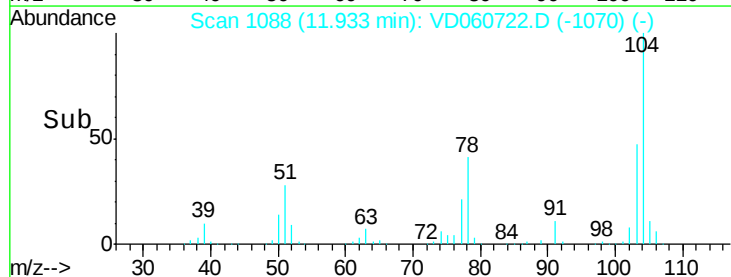
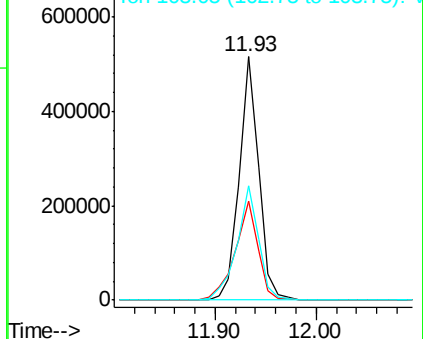


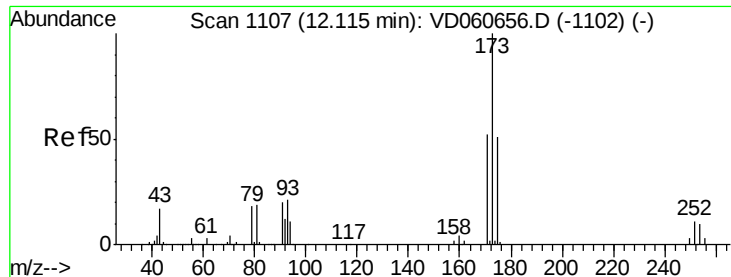
#70
Styrene
Concen: 21.153 ug/l
RT: 11.93 min Scan# 1088
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion:104 Resp: 693057
Ion Ratio Lower Upper
104 100
78 40.8 31.4 47.2
103 46.8 37.5 56.3



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





#71

Bromoform

Concen: 19.993 ug/l

RT: 12.09 min Scan# 1104

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

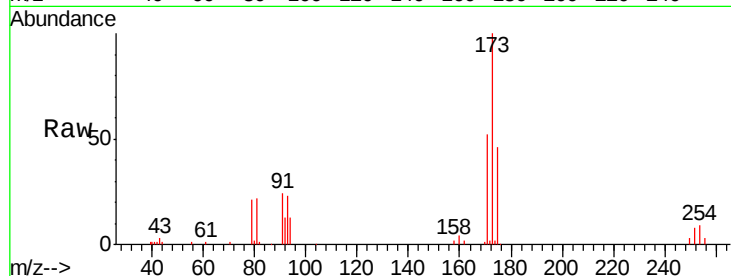
Tgt Ion:173 Resp: 145373

Ion Ratio Lower Upper

173 100

175 46.1 25.5 76.5

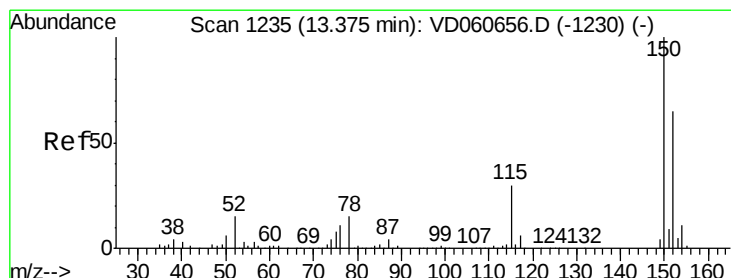
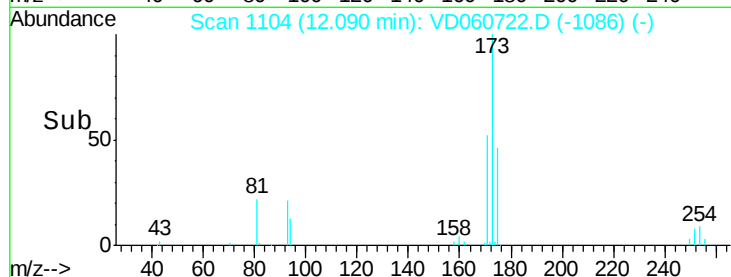
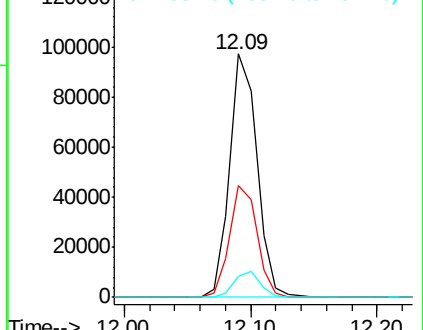
254 8.8 7.9 11.9



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 1232

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

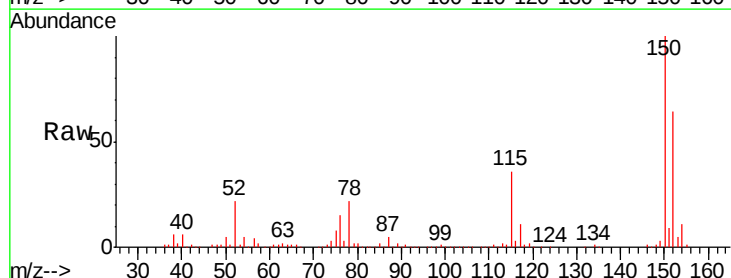
Tgt Ion:152 Resp: 811039

Ion Ratio Lower Upper

152 100

115 56.0 24.1 72.3

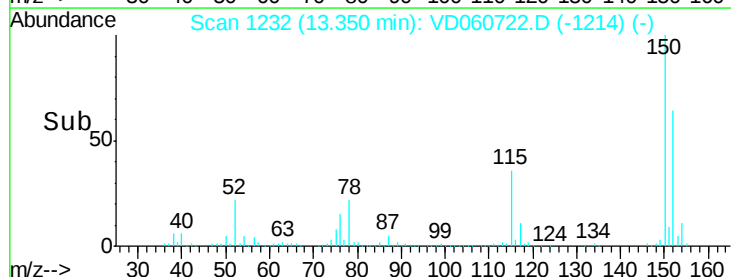
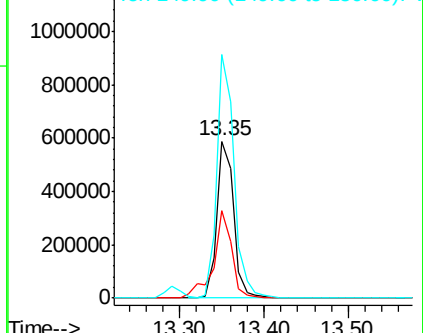
150 155.2 0.0 315.0

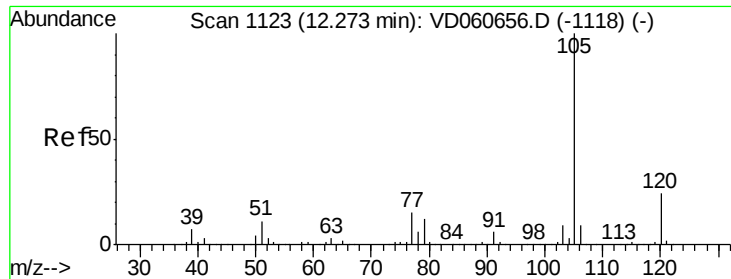


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.440 ug/l

RT: 12.26 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

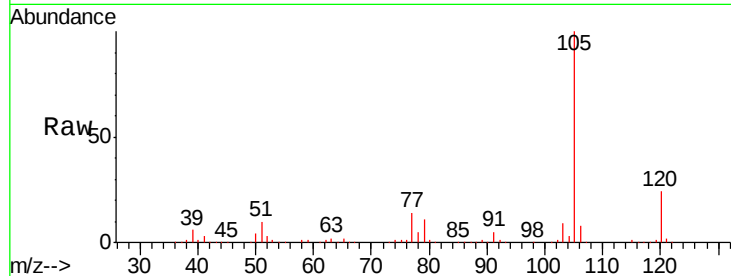
VD1227SBS01

Tgt Ion:105 Resp: 1180292

Ion Ratio Lower Upper

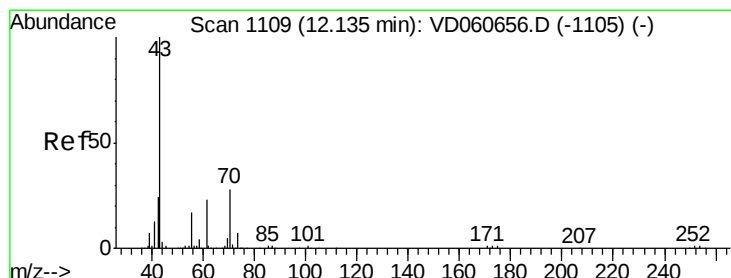
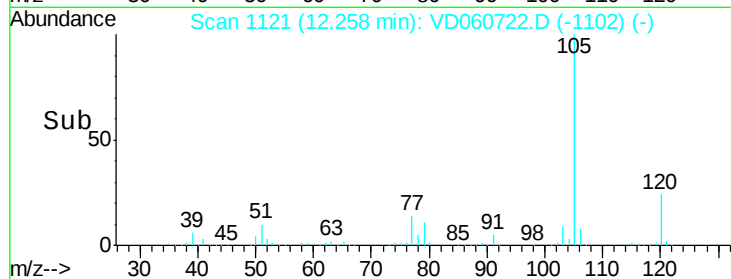
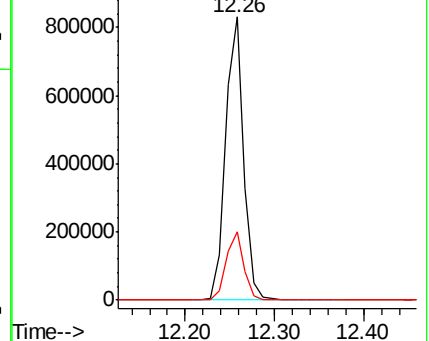
105 100

120 23.9 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.225 ug/l

RT: 12.11 min Scan# 1106

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Tgt Ion: 43 Resp: 262003

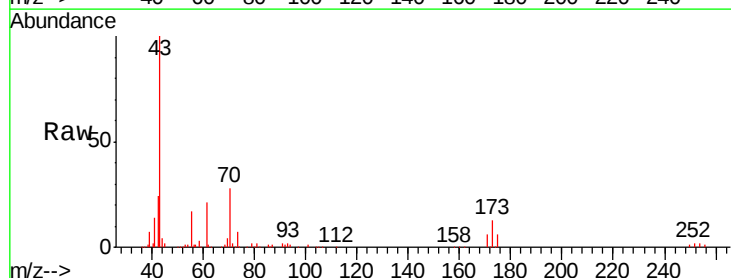
Ion Ratio Lower Upper

43 100

70 27.8 22.2 33.2

55 16.9 13.8 20.8

61 21.5 18.2 27.2

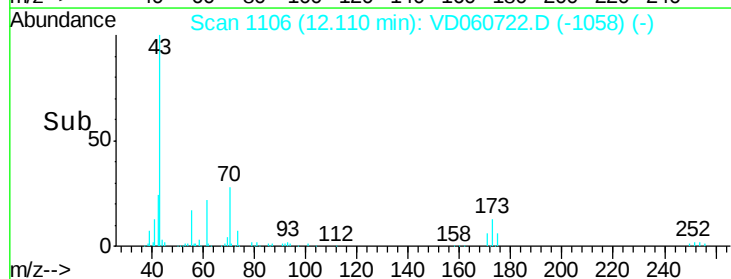
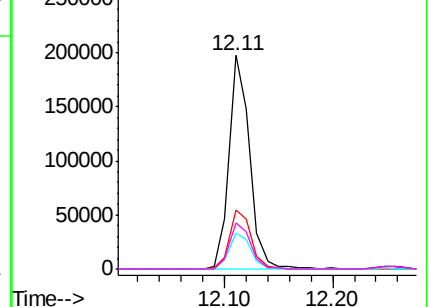


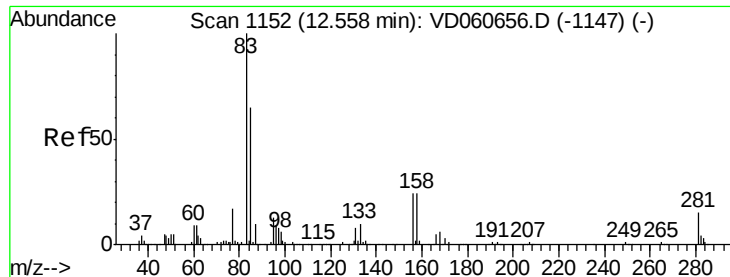
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.592 ug/l

RT: 12.54 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

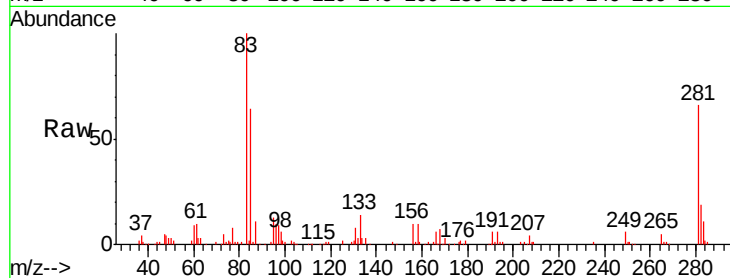
Tgt Ion: 83 Resp: 183374

Ion Ratio Lower Upper

83 100

131 8.4 4.2 12.4

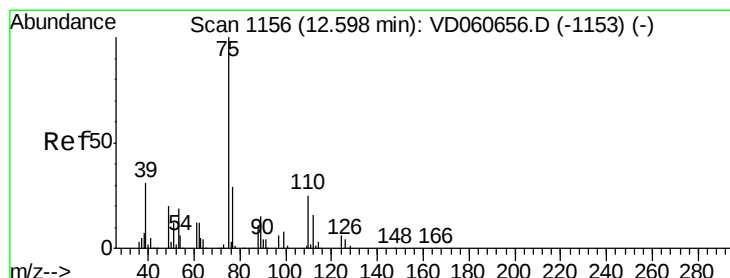
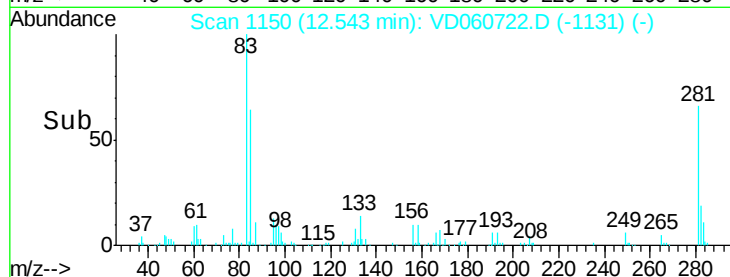
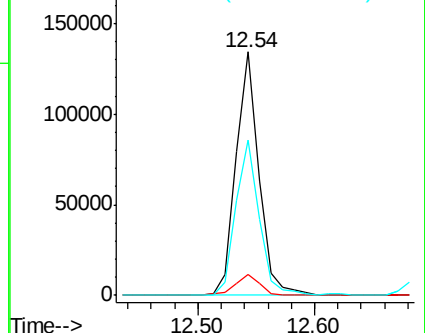
85 63.7 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.048 ug/l

RT: 12.57 min Scan# 1153

Delta R.T. -0.03 min

Lab File: VD060722.D

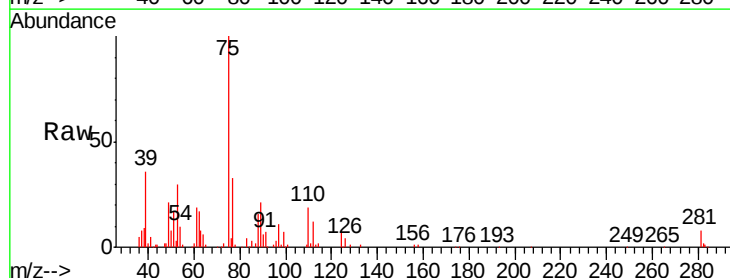
Acq: 27 Dec 2018 13:15

Tgt Ion: 75 Resp: 185111

Ion Ratio Lower Upper

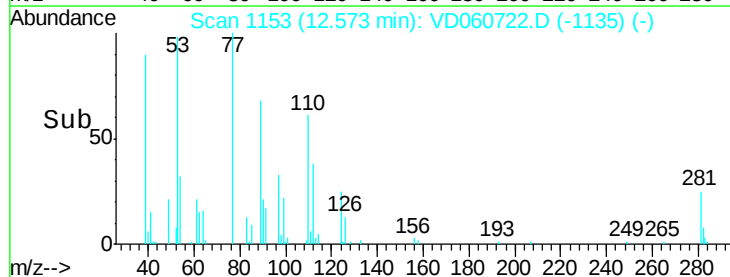
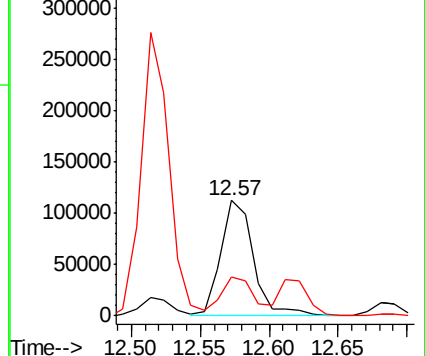
75 100

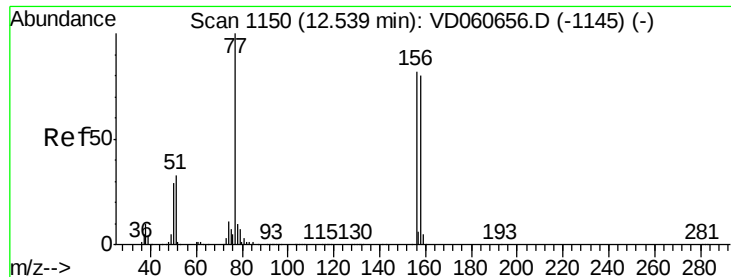
77 33.3 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.538 ug/l

RT: 12.52 min Scan# 1148

Delta R.T. -0.02 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

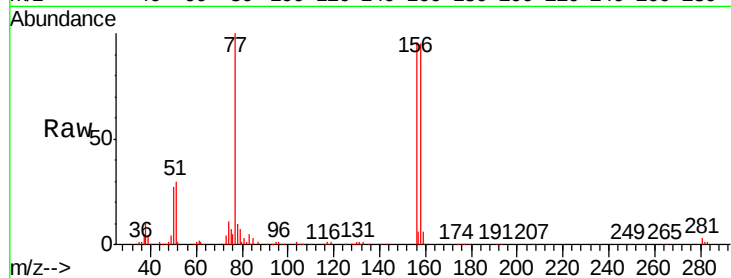
Tgt Ion:156 Resp: 313106

Ion Ratio Lower Upper

156 100

77 104.4 61.3 183.9

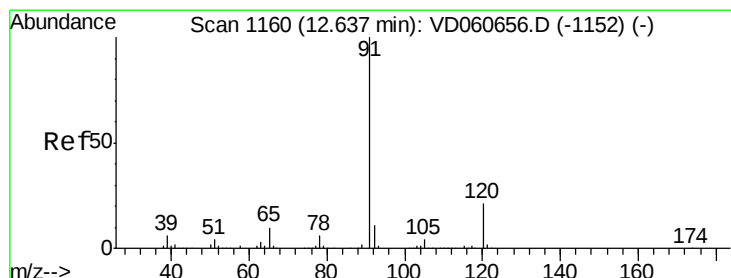
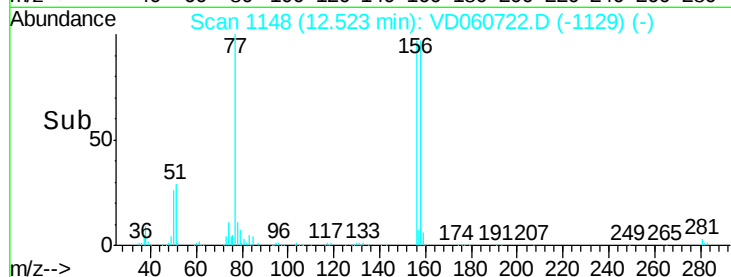
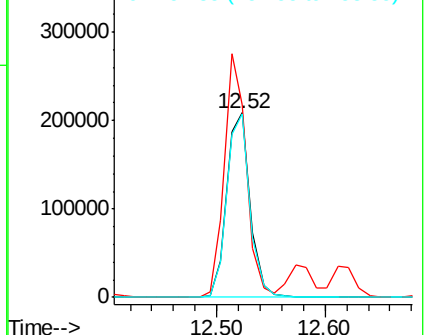
158 99.6 48.9 146.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.884 ug/l

RT: 12.62 min Scan# 1158

Delta R.T. -0.02 min

Lab File: VD060722.D

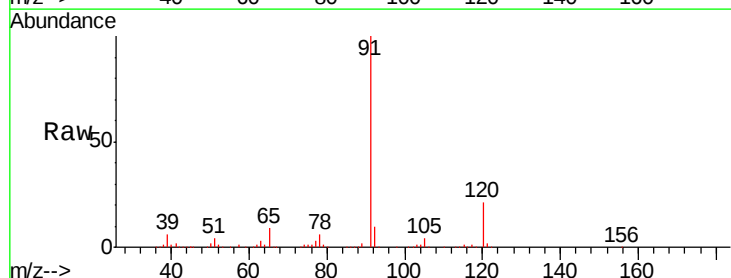
Acq: 27 Dec 2018 13:15

Tgt Ion: 91 Resp: 1541750

Ion Ratio Lower Upper

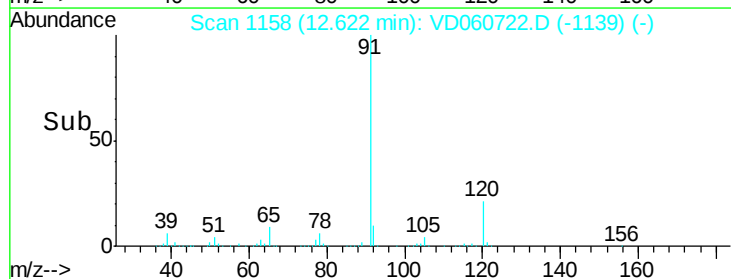
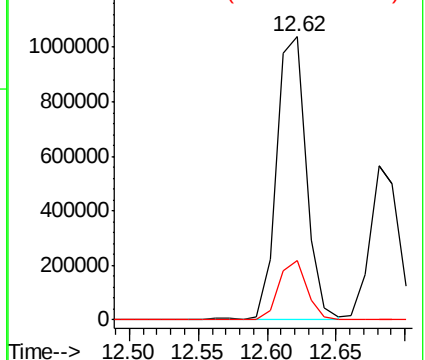
91 100

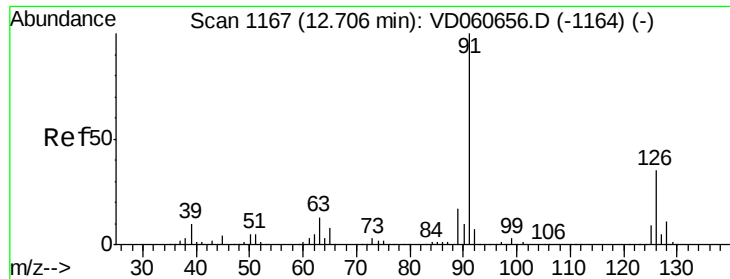
120 21.1 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.886 ug/l

RT: 12.68 min Scan# 1164

Delta R.T. -0.03 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

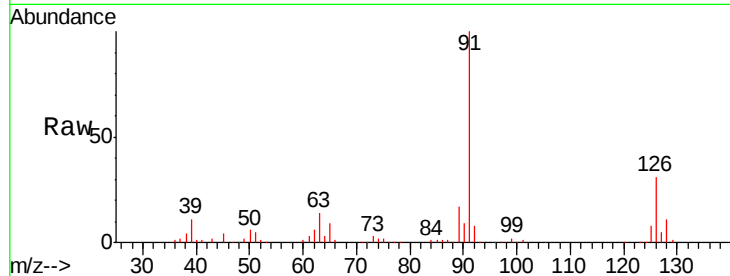
VD1227SBS01

Tgt Ion: 91 Resp: 825833

Ion Ratio Lower Upper

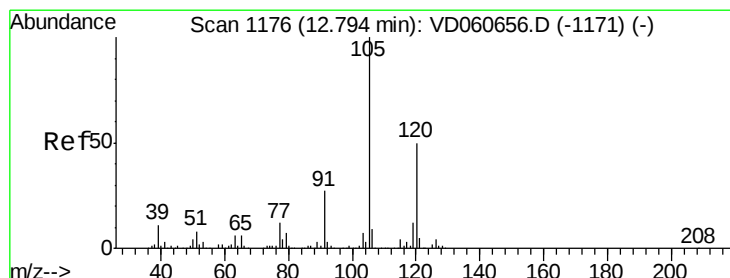
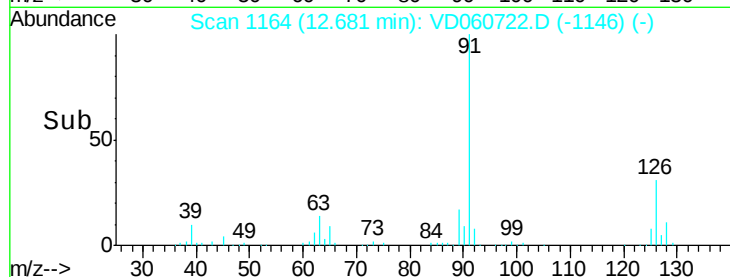
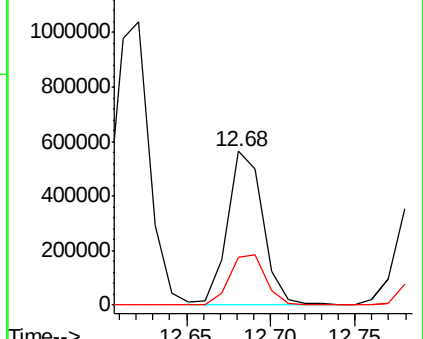
91 100

126 31.2 17.2 51.5



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: 21.847 ug/l

RT: 12.77 min Scan# 1173

Delta R.T. -0.03 min

Lab File: VD060722.D

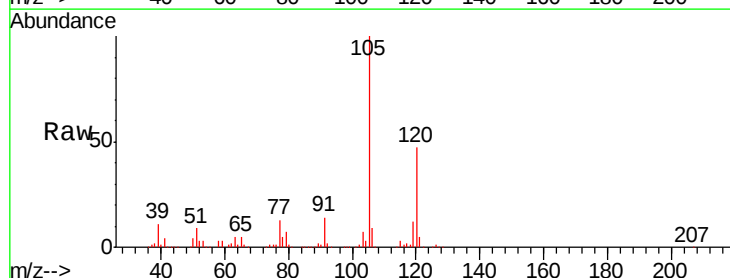
Acq: 27 Dec 2018 13:15

Tgt Ion: 105 Resp: 974152

Ion Ratio Lower Upper

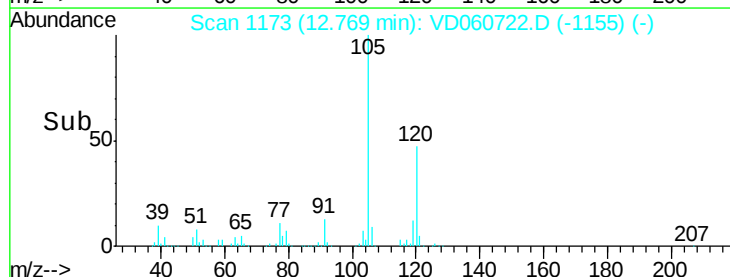
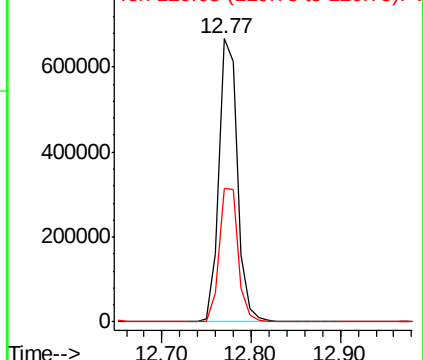
105 100

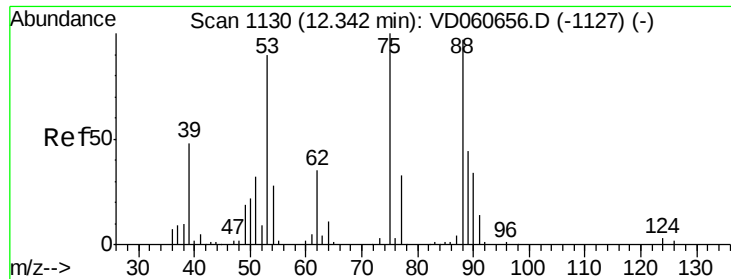
120 47.2 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

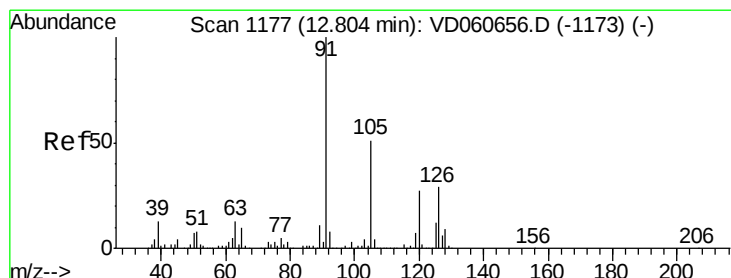
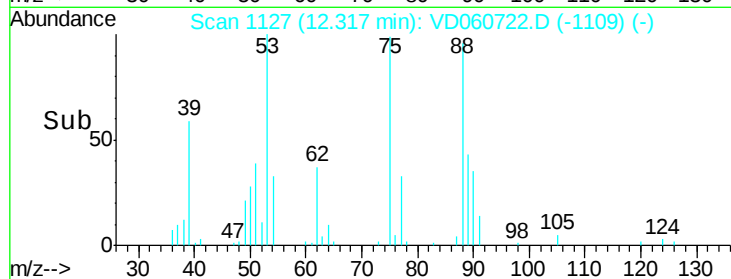
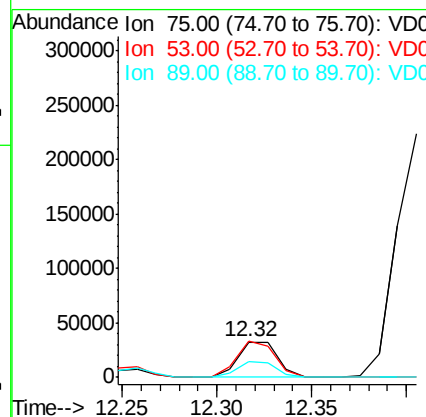
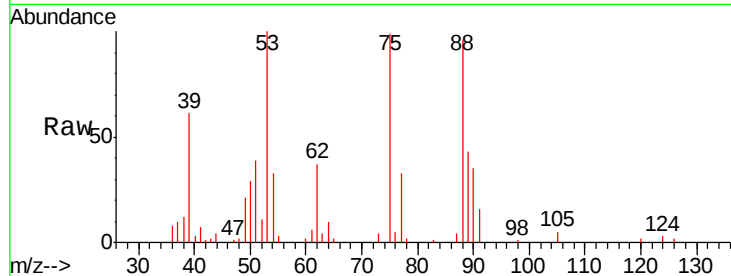




#81
trans-1,4-Dichloro-2-butene
Concen: 18.888 ug/l
RT: 12.32 min Scan# 1127
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

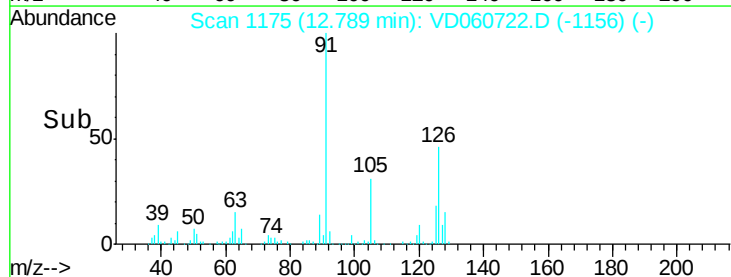
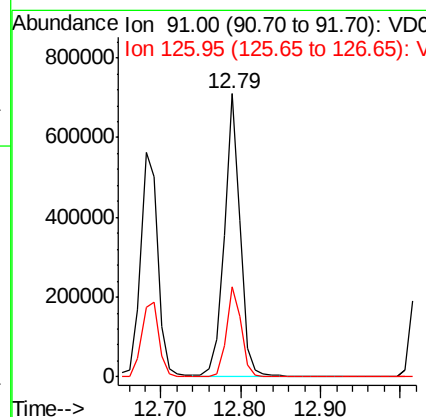
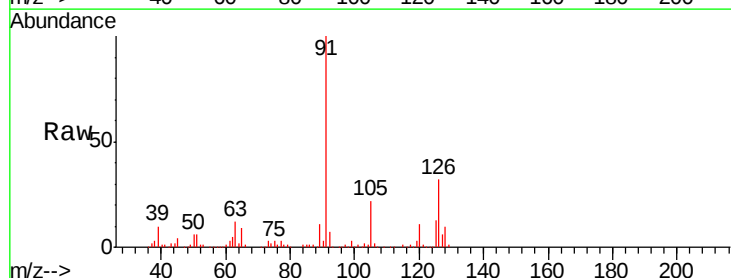
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

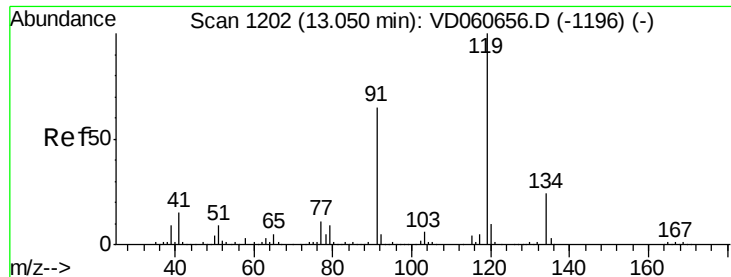
Tgt Ion: 75 Resp: 48191
Ion Ratio Lower Upper
75 100
53 101.3 72.1 108.1
89 43.4 35.1 52.7



#82
4-Chlorotoluene
Concen: 22.075 ug/l
RT: 12.79 min Scan# 1175
Delta R.T. -0.02 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 91 Resp: 989345
Ion Ratio Lower Upper
91 100
126 31.7 14.6 43.8



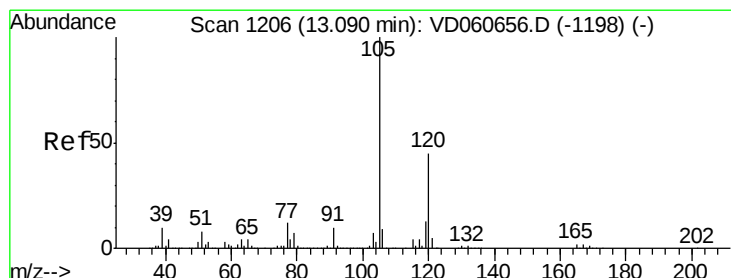
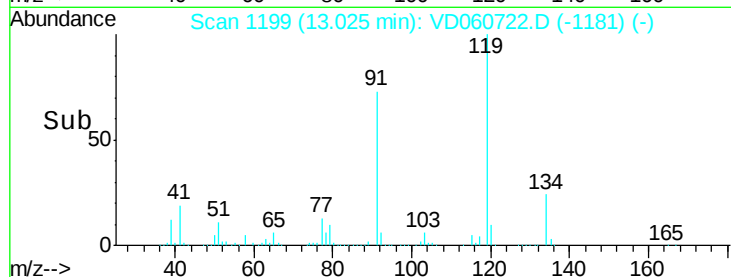
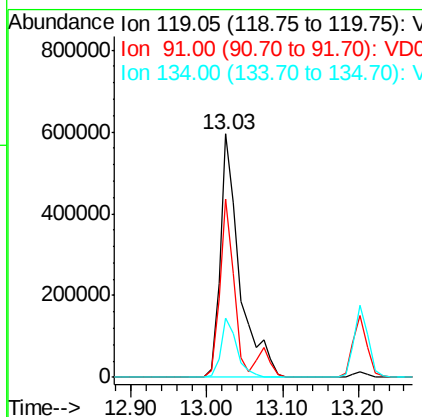
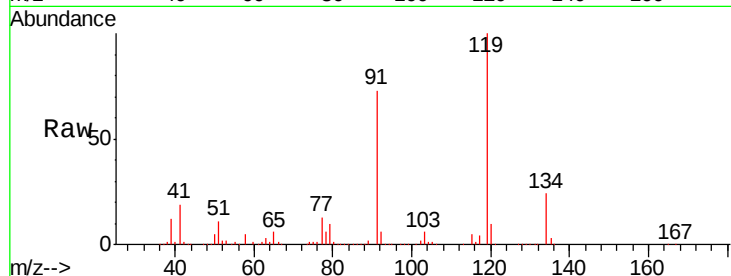


#83
 tert-Butylbenzene
 Concen: 21.106 ug/l
 RT: 13.03 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Tgt Ion: 119 Resp: 1071051

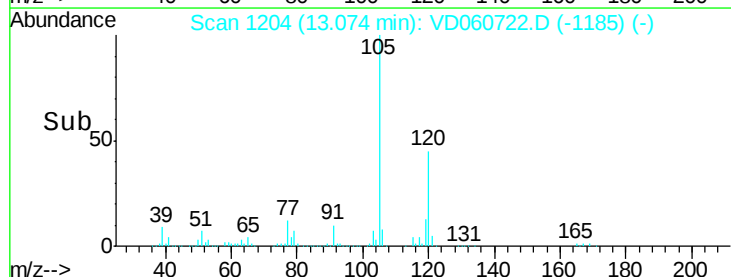
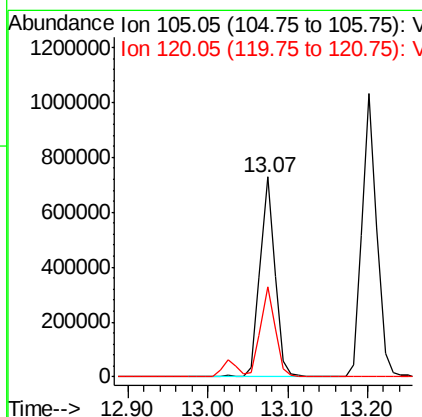
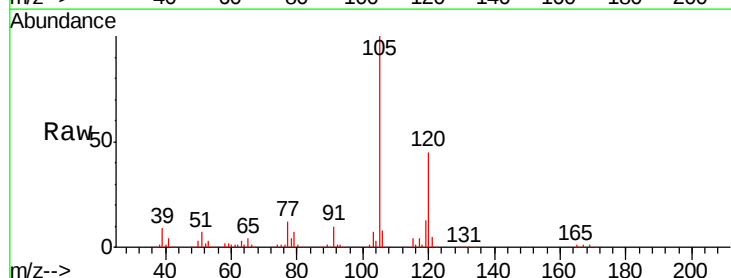
Ion	Ratio	Lower	Upper
119	100		
91	73.3	32.5	97.4
134	24.1	11.9	35.9

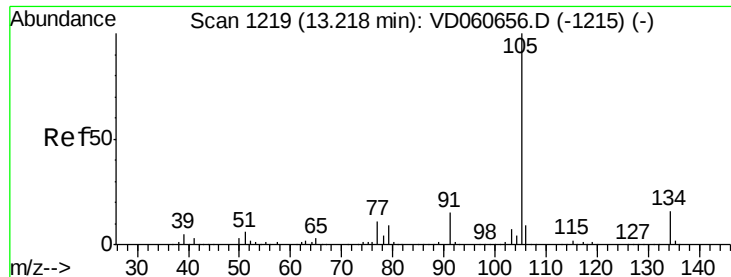


#84
 1,2,4-Trimethylbenzene
 Concen: 20.323 ug/l
 RT: 13.07 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion: 105 Resp: 933342

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.4	67.0

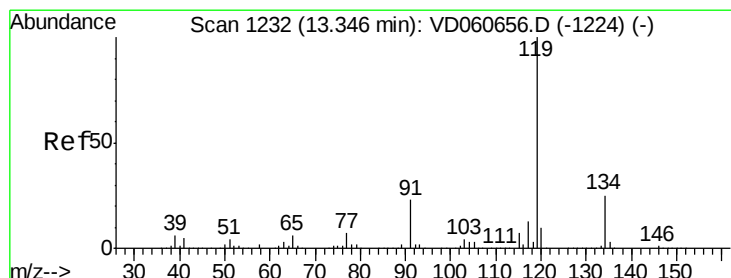
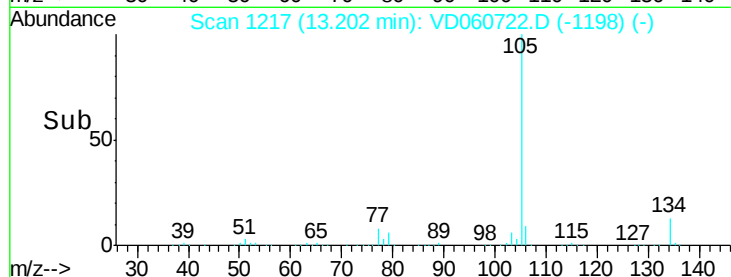
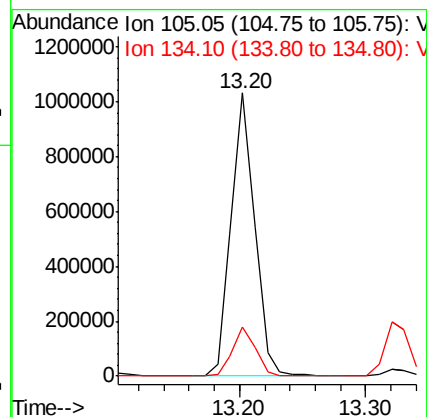
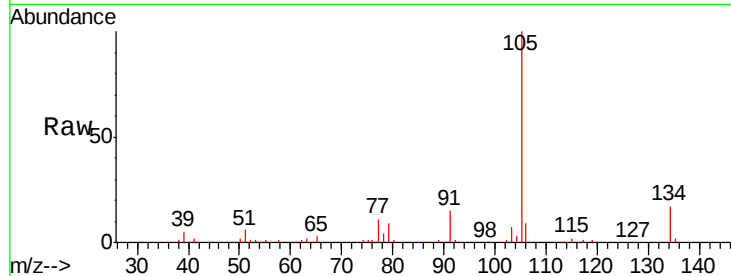




#85
 sec-Butylbenzene
 Concen: 21.400 ug/l
 RT: 13.20 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

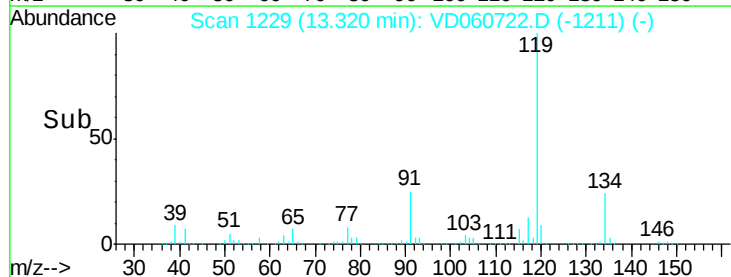
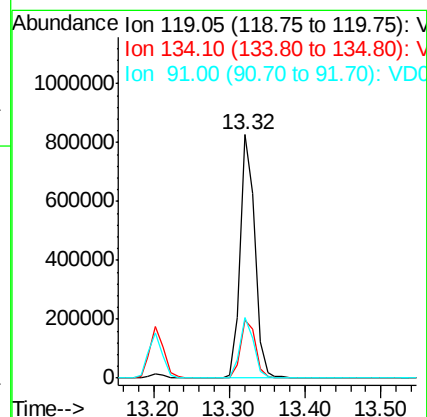
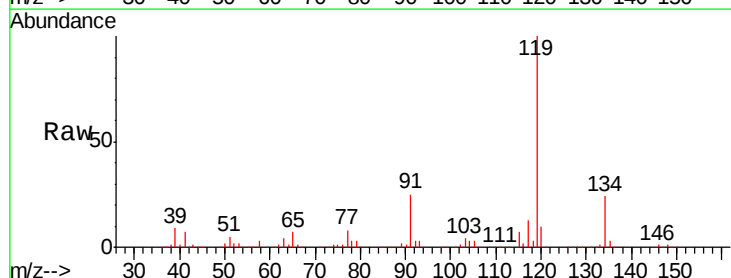
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

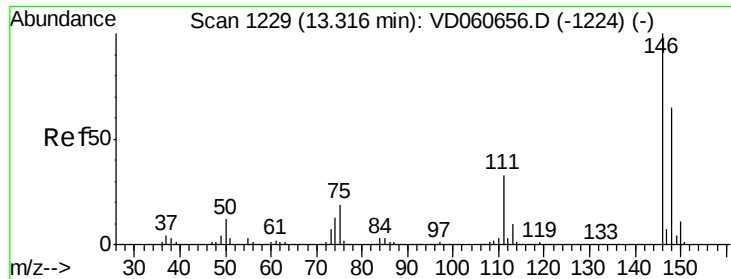
Tgt Ion:105 Resp: 1324347
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 21.656 ug/l
 RT: 13.32 min Scan# 1229
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion:119 Resp: 1081821
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.5 37.5
 91 24.7 11.4 34.2

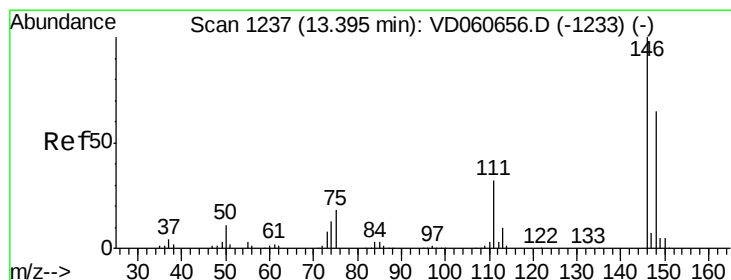
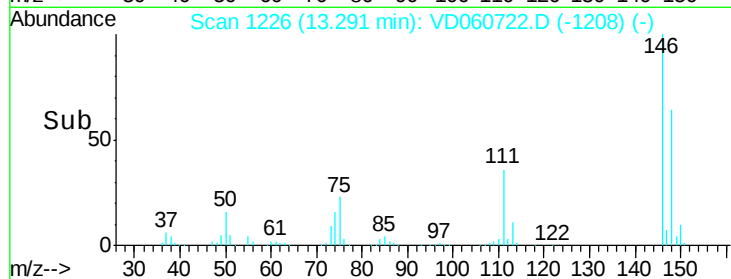
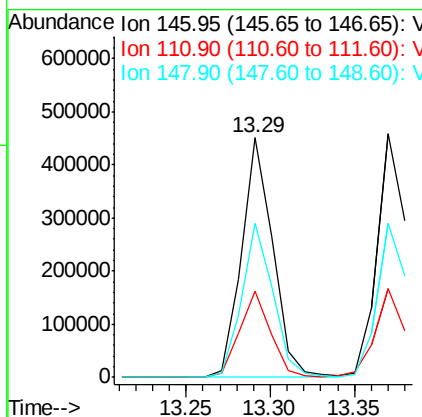
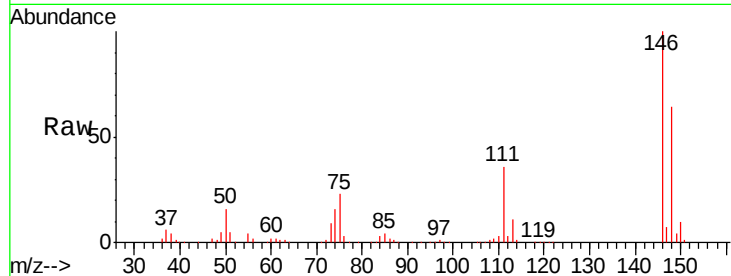




#87
 1,3-Dichlorobenzene
 Concen: 20.721 ug/l
 RT: 13.29 min Scan# 1226
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

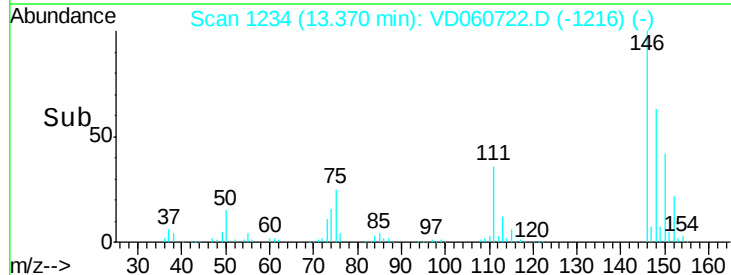
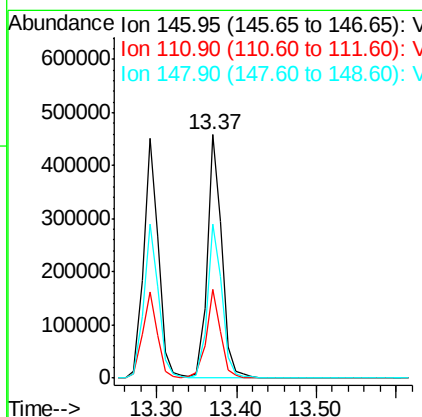
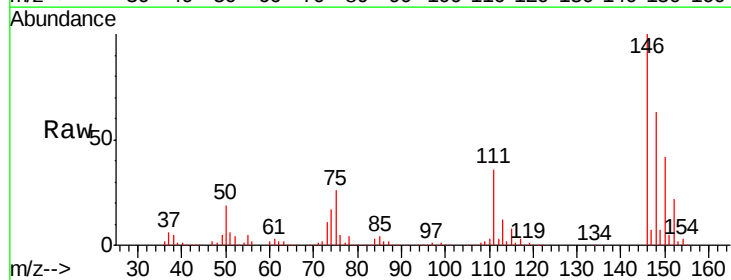
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

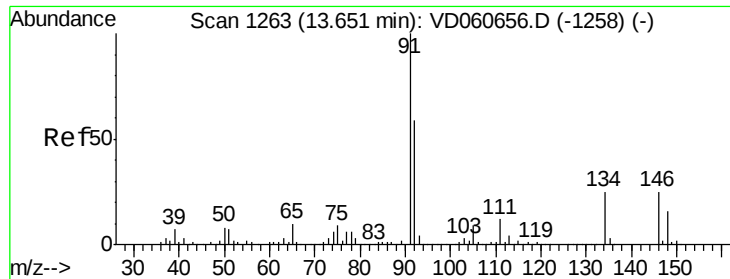
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	16.6	49.8
148	64.3	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 20.938 ug/l
 RT: 13.37 min Scan# 1234
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	16.2	48.5
148	63.2	32.7	98.1

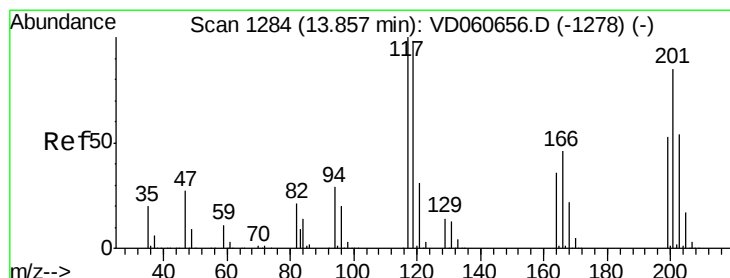
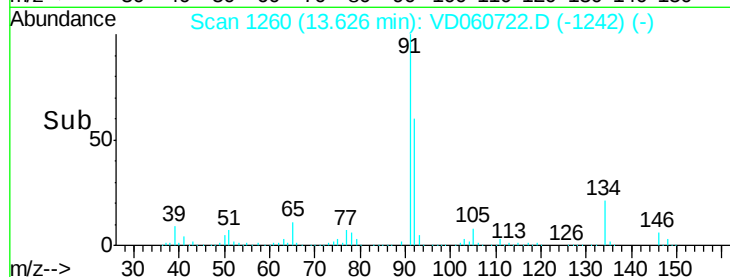
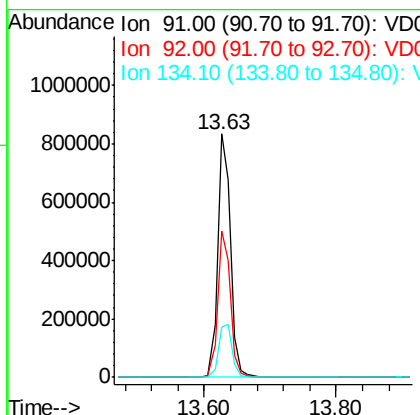
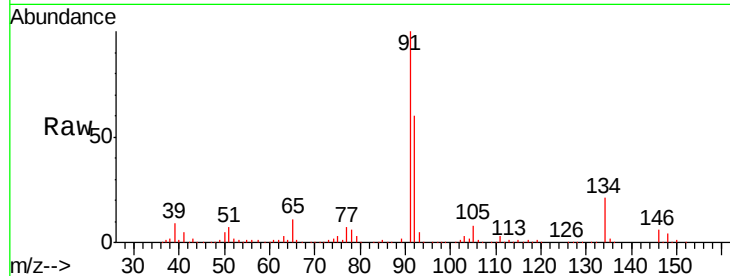




#89
n-Butylbenzene
Concen: 21.915 ug/l
RT: 13.63 min Scan# 1260
Delta R.T. -0.03 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

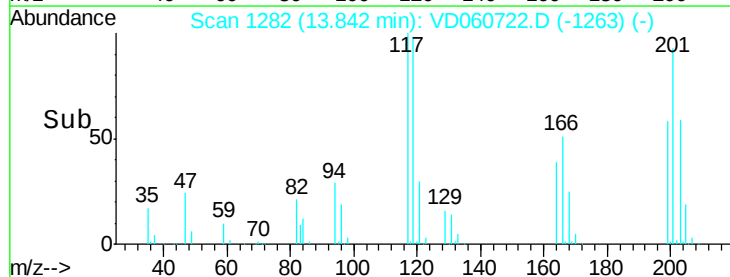
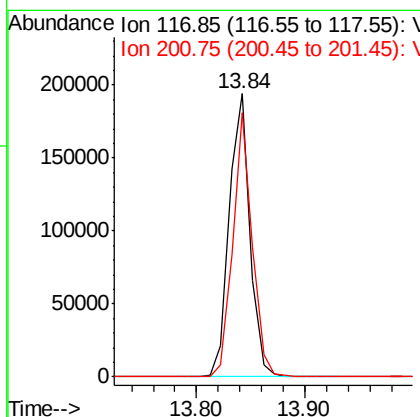
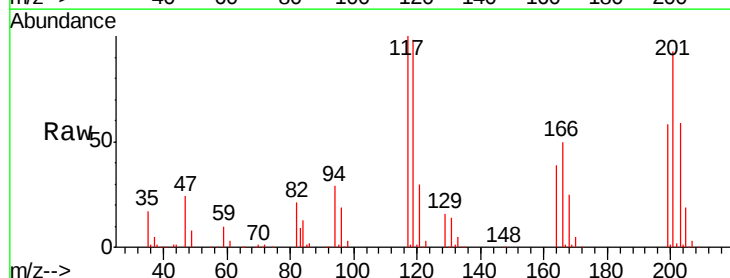
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

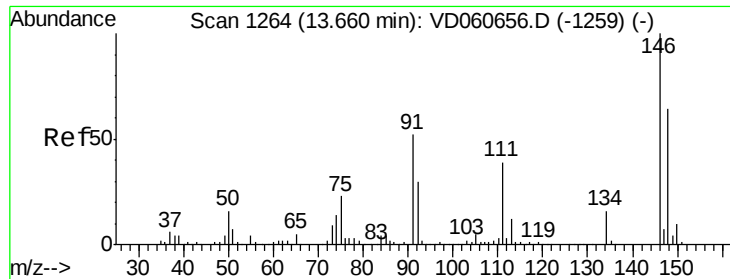
Tgt Ion: 91 Resp: 1118755
Ion Ratio Lower Upper
91 100
92 60.0 29.7 89.1
134 20.8 12.7 38.1



#90
Hexachloroethane
Concen: 21.040 ug/l
RT: 13.84 min Scan# 1282
Delta R.T. -0.02 min
Lab File: VD060722.D
Acq: 27 Dec 2018 13:15

Tgt Ion: 117 Resp: 258210
Ion Ratio Lower Upper
117 100
201 93.2 42.6 127.8

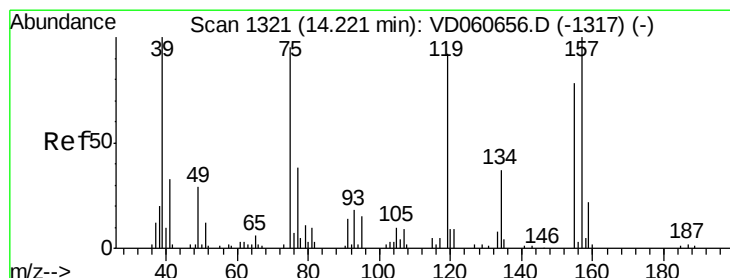
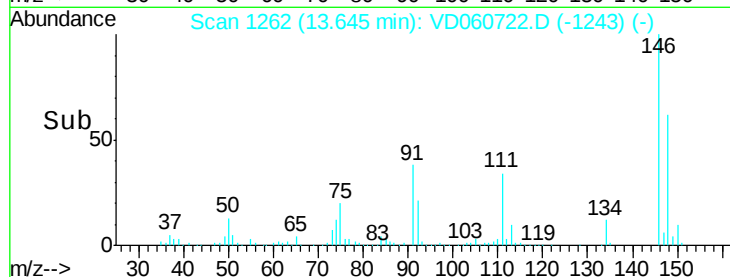
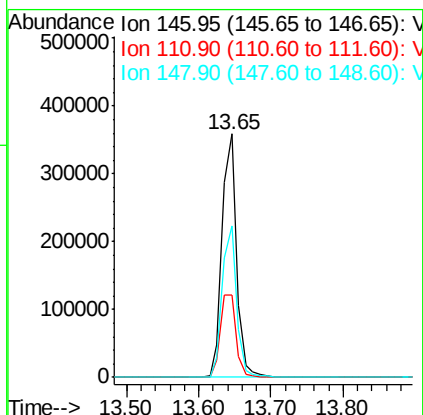
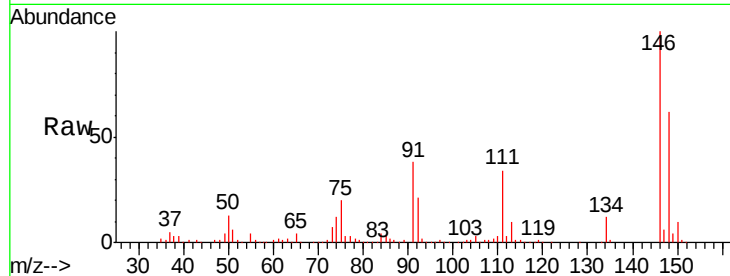




#91
 1,2-Dichlorobenzene
 Concen: 22.136 ug/l
 RT: 13.65 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

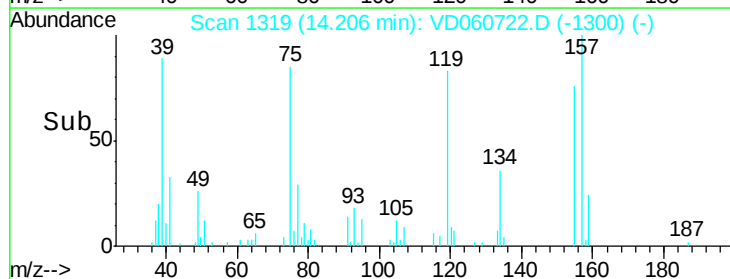
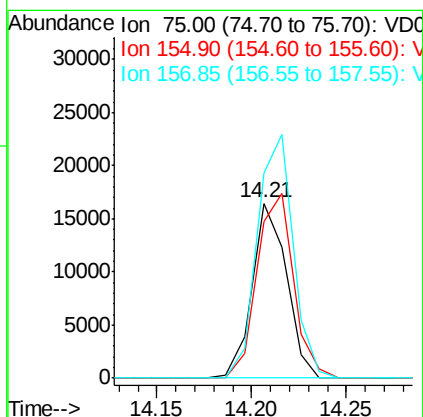
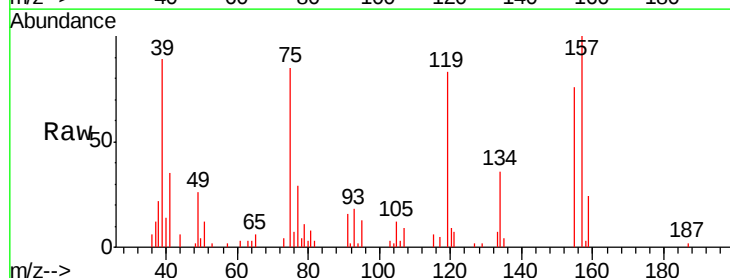
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

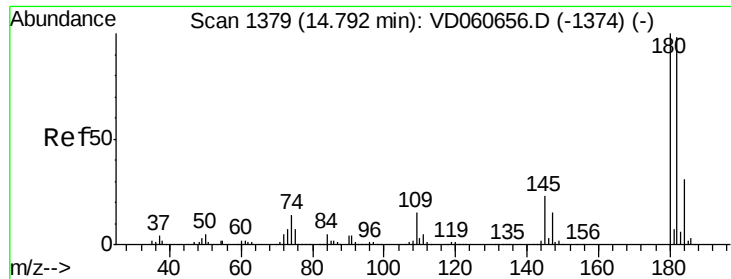
Tgt Ion:146 Resp: 496937
 Ion Ratio Lower Upper
 146 100
 111 34.1 19.3 57.9
 148 62.4 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.863 ug/l
 RT: 14.21 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion: 75 Resp: 20742
 Ion Ratio Lower Upper
 75 100
 155 89.9 41.1 123.4
 157 117.9 52.5 157.6

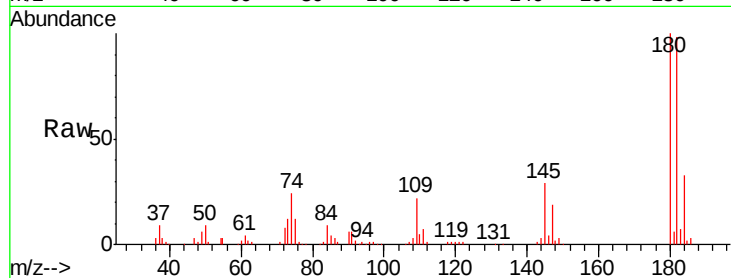




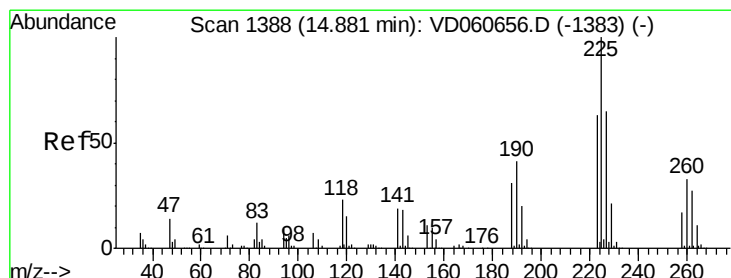
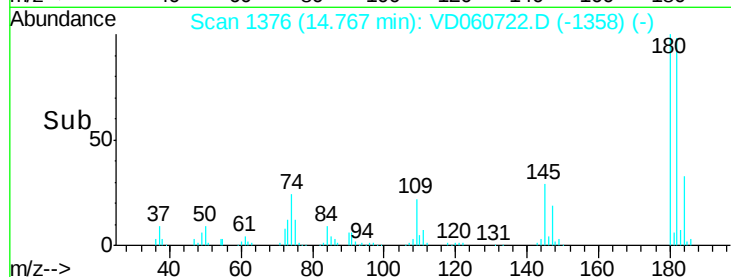
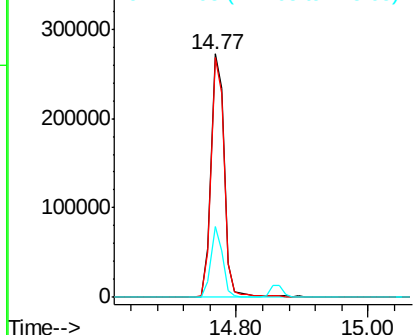
#93
 1,2,4-Trichlorobenzene
 Concen: 20.926 ug/l
 RT: 14.77 min Scan# 1376
 Delta R.T. -0.03 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Tgt Ion:180 Resp: 373828
 Ion Ratio Lower Upper
 180 100
 182 98.3 48.8 146.4
 145 29.2 11.8 35.3

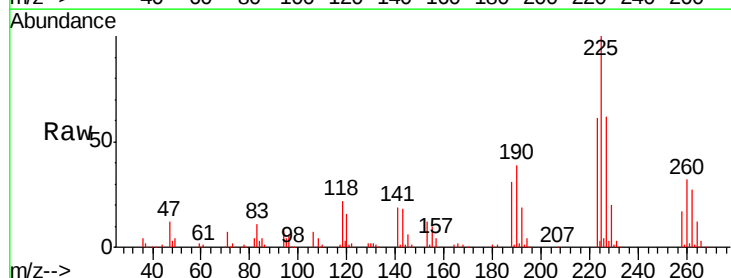


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

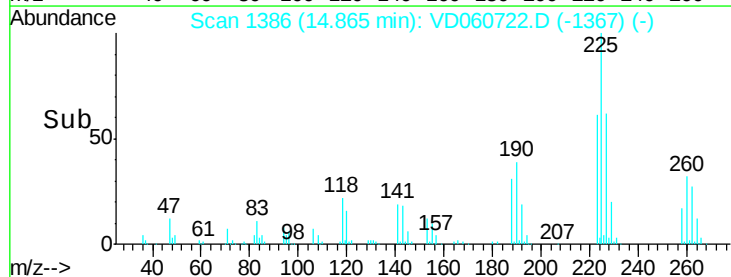
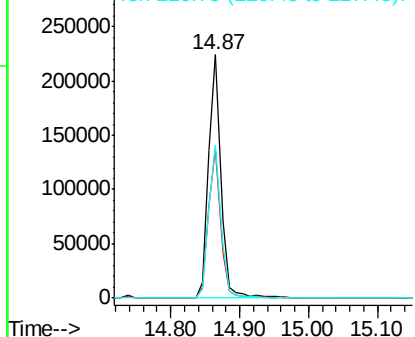


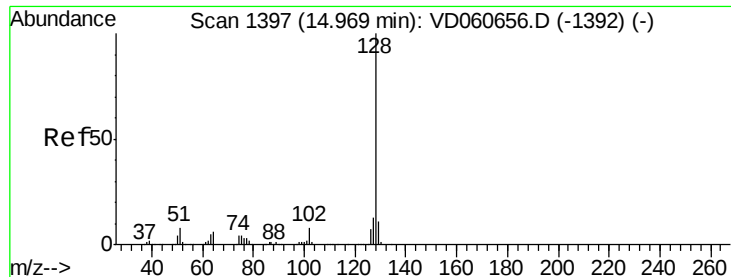
#94
 Hexachlorobutadiene
 Concen: 21.342 ug/l
 RT: 14.87 min Scan# 1386
 Delta R.T. -0.02 min
 Lab File: VD060722.D
 Acq: 27 Dec 2018 13:15

Tgt Ion:225 Resp: 281809
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.3 93.8
 227 62.5 32.5 97.4



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: 19.351 ug/l

RT: 14.95 min Scan# 1395

Delta R.T. -0.02 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

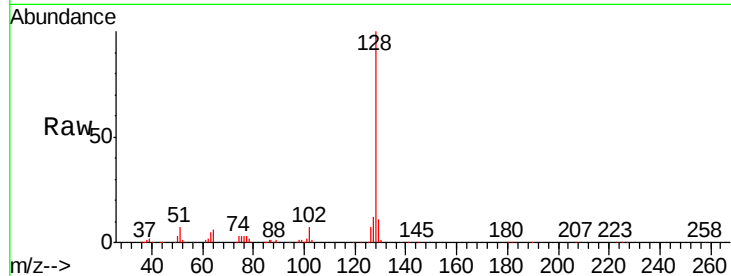
Tgt Ion:128 Resp: 410846

Ion Ratio Lower Upper

128 100

127 11.6 10.1 15.1

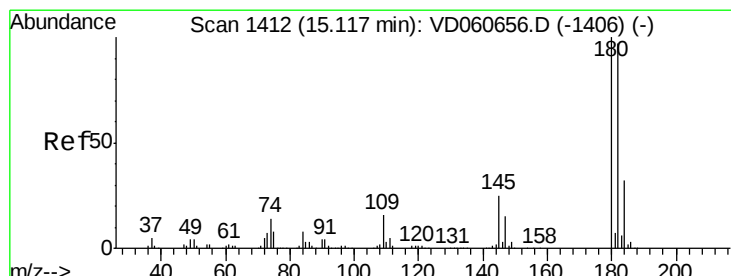
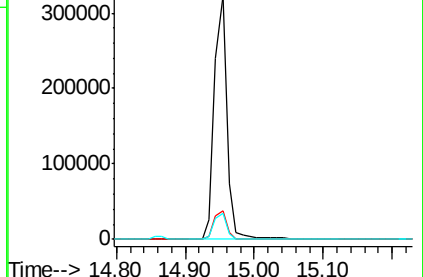
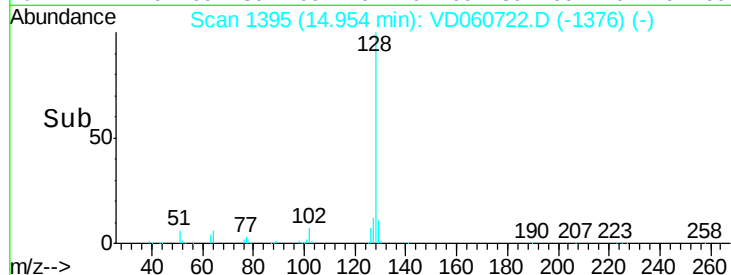
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.644 ug/l

RT: 15.10 min Scan# 1410

Delta R.T. -0.02 min

Lab File: VD060722.D

Acq: 27 Dec 2018 13:15

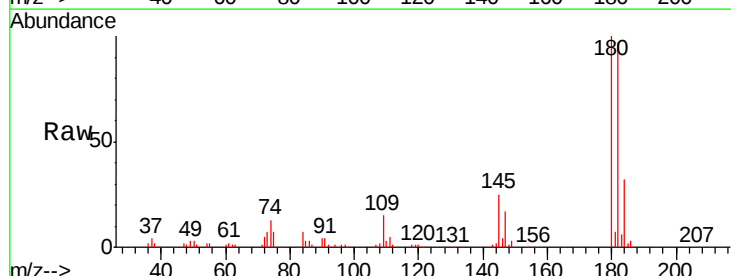
Tgt Ion:180 Resp: 288286

Ion Ratio Lower Upper

180 100

182 97.5 48.6 145.9

145 25.1 12.6 37.8



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

