

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122018\
 Data File : VD060662.D
 Acq On : 20 Dec 2018 17:01
 Operator : VA/AP
 Sample : VD1220SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Quant Time: Dec 21 03:39:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1512215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2094716	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1667545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	874381	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	558618	53.45	ug/l	0.00
Spiked Amount			Recovery	=	106.90%	
35) Dibromofluoromethane	6.32	113	800035	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
50) Toluene-d8	9.45	98	2378476	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.42	95	843178	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	354963	18.371	ug/l	99
3) Chloromethane	1.77	50	350617	19.717	ug/l	99
4) Vinyl Chloride	1.86	62	265961	18.838	ug/l	100
5) Bromomethane	2.16	94	37480	11.851	ug/l	98
6) Chloroethane	2.27	64	69064	16.392	ug/l	92
7) Trichlorofluoromethane	2.51	101	297584	18.950	ug/l	98
8) Diethyl Ether	2.84	74	51035	19.425	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.10	101	197749	19.413	ug/l	97
10) Methyl Iodide	3.26	142	187220	17.488	ug/l	96
11) Tert butyl alcohol	3.98	59	37568	86.017	ug/l #	95
12) 1,1-Dichloroethene	3.08	96	159364	19.041	ug/l	93
13) Acrolein	2.99	56	49597	111.437	ug/l	90
14) Allyl chloride	3.55	41	285462	18.587	ug/l	100
15) Acrylonitrile	4.10	53	252339	99.518	ug/l	98
16) Acetone	3.17	43	179303	98.247	ug/l	100
17) Carbon Disulfide	3.32	76	494144	18.487	ug/l	99
18) Methyl Acetate	3.56	43	83116	18.376	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	424755	20.003	ug/l	99
20) Methylene Chloride	3.73	84	376899	19.886	ug/l	96
21) trans-1,2-Dichloroethene	4.11	96	332818	19.417	ug/l	98
22) Diisopropyl ether	4.86	45	1038856	19.923	ug/l	99
23) Vinyl Acetate	4.80	43	2578711	102.218	ug/l	98
24) 1,1-Dichloroethane	4.77	63	535678	19.531	ug/l	99
25) 2-Butanone	5.62	43	347617	99.537	ug/l	98
26) 2,2-Dichloropropane	5.59	77	417044	19.263	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	340123	19.547	ug/l	98
28) Bromochloromethane	5.93	49	219968	18.984	ug/l	99
29) Tetrahydrofuran	5.96	42	194051	98.015	ug/l	99
30) Chloroform	6.10	83	538992	19.530	ug/l	100
31) Cyclohexane	6.37	56	521772	19.768	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	451750	19.785	ug/l	99
36) 1,1-Dichloropropene	6.53	75	426884	19.791	ug/l	97
37) Ethyl Acetate	5.70	43	182291	20.207	ug/l	99
38) Carbon Tetrachloride	6.50	117	376079	19.763	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	480857	19.547	ug/l	99
40) Benzene	6.79	78	1085530	19.483	ug/l	99
41) Methacrylonitrile	5.95	41	211922	42.470	ug/l #	74
42) 1,2-Dichloroethane	6.89	62	270482	19.563	ug/l	97
43) Isopropyl Acetate	8.35	43	223821	19.334	ug/l #	98
44) Trichloroethene	7.74	130	320771	19.452	ug/l	97
45) 1,2-Dichloropropane	8.10	63	265670	19.443	ug/l	99
46) Dibromomethane	8.22	93	153183	19.643	ug/l	95
47) Bromodichloromethane	8.50	83	360399	19.512	ug/l	100
48) Methyl methacrylate	8.25	41	145712	20.724	ug/l	97
49) 1,4-Dioxane	8.23	88	27192	415.937	ug/l	98
51) 4-Methyl-2-Pentanone	9.34	43	709775	100.072	ug/l	99
52) Toluene	9.55	92	677979	19.411	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	292784	19.000	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	388484	19.261	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	185239	19.711	ug/l	98
56) Ethyl methacrylate	10.03	69	169325	19.398	ug/l	95
57) 1,3-Dichloropropane	10.38	76	289777	19.454	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	557947	108.481	ug/l	96
59) 2-Hexanone	10.48	43	504793	101.679	ug/l	97
60) Dibromochloromethane	10.64	129	235580	19.680	ug/l	97
61) 1,2-Dibromoethane	10.76	107	190129	19.505	ug/l	100
64) Tetrachloroethene	10.25	164	296541	19.620	ug/l	97
65) Chlorobenzene	11.31	112	731366	19.851	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	240378	20.292	ug/l	100
67) Ethyl Benzene	11.43	91	1314501	20.833	ug/l	99
68) m/p-Xylenes	11.57	106	947645	41.097	ug/l	97
69) o-Xylene	11.93	106	453382	20.725	ug/l	86
70) Styrene	11.96	104	732489	20.790	ug/l	99
71) Bromoform	12.12	173	151504	19.375	ug/l	96
73) Isopropylbenzene	12.27	105	1285816	20.654	ug/l	98
74) N-amyl acetate	12.14	43	297635	20.257	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	202714	20.089	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	194695	19.558	ug/l	99
77) Bromobenzene	12.54	156	329612	20.054	ug/l	98
78) n-propylbenzene	12.64	91	1640775	20.616	ug/l	100
79) 2-Chlorotoluene	12.71	91	872901	20.477	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	1005490	20.916	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	52389	19.046	ug/l	95
82) 4-Chlorotoluene	12.81	91	996915	20.633	ug/l	98
83) tert-Butylbenzene	13.04	119	1092652	19.972	ug/l	89
84) 1,2,4-Trimethylbenzene	13.09	105	1014135	20.483	ug/l	99
85) sec-Butylbenzene	13.22	105	1362689	20.424	ug/l	99
86) p-Isopropyltoluene	13.34	119	1115011	20.703	ug/l	95
87) 1,3-Dichlorobenzene	13.31	146	607465	20.133	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	599192	20.153	ug/l	96
89) n-Butylbenzene	13.64	91	1156056	21.005	ug/l	96
90) Hexachloroethane	13.86	117	261429	19.759	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	500608	20.684	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	22858	19.282	ug/l	97

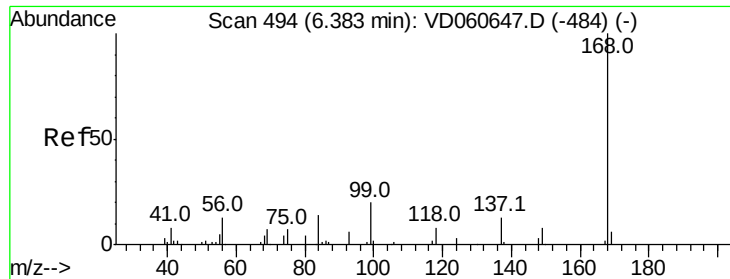
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122018\
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Quant Title : SW846 8260
QLast Update : Fri Dec 21 03:34:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	390240	20.263	ug/l	95
94) Hexachlorobutadiene	14.88	225	290192	20.385	ug/l	99
95) Naphthalene	14.97	128	453206	19.799	ug/l	98
96) 1,2,3-Trichlorobenzene	15.12	180	315536	20.959	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 527

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

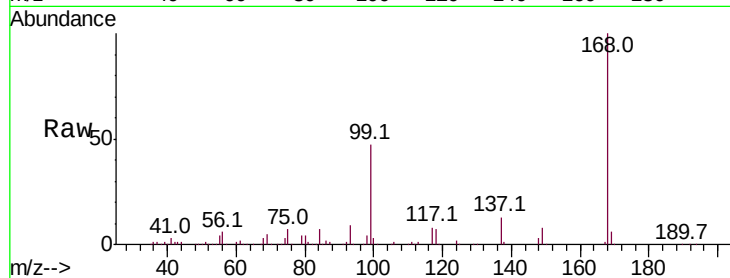
VD1220SBSD01

Tot Ion:168 Resp: 1512215

Ion Ratio Lower Upper

168 100

99 47.2 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

300000

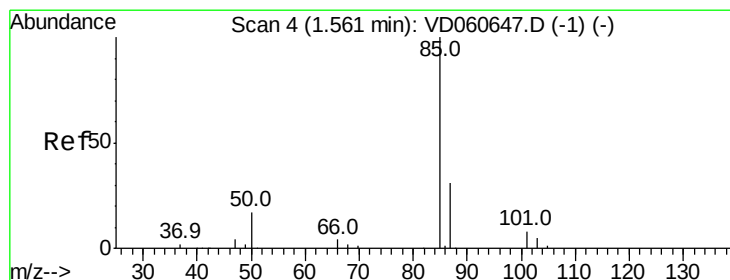
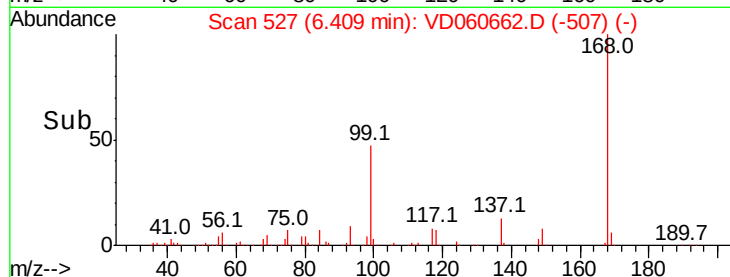
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 18.371 ug/l

RT: 1.61 min Scan# 39

Delta R.T. 0.00 min

Lab File: VD060662.D

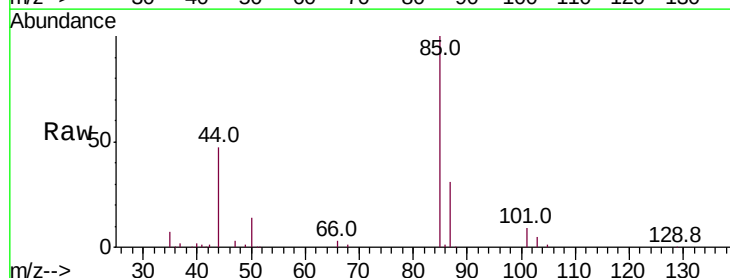
Acq: 20 Dec 2018 17:01

Tgt Ion: 85 Resp: 354963

Ion Ratio Lower Upper

85 100

87 31.3 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

150000

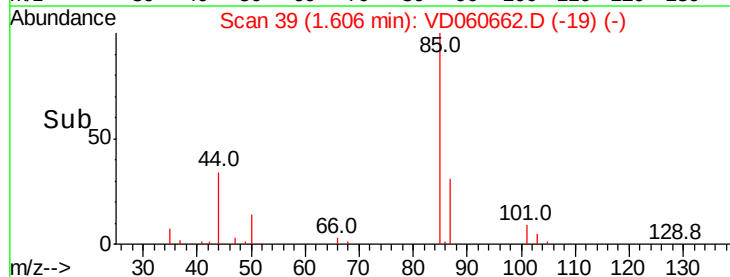
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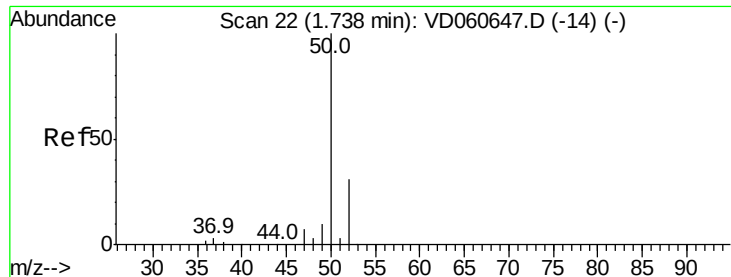
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 19.717 ug/l

RT: 1.77 min Scan# 56

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

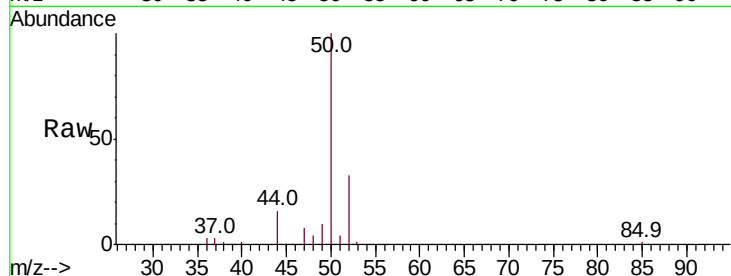
VD1220SBS01

Tot Ion: 50 Resp: 350617

Ion Ratio Lower Upper

50 100

52 32.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

120000

100000

80000

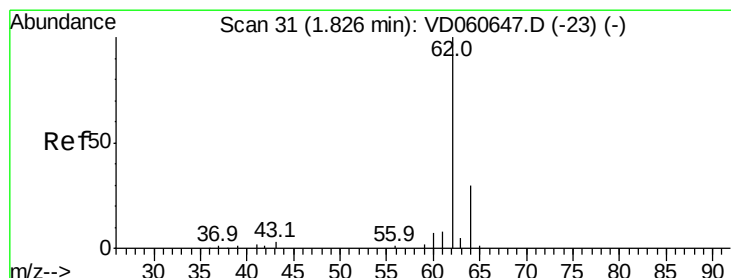
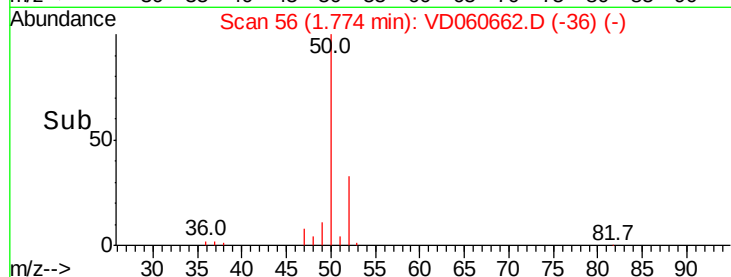
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 18.838 ug/l

RT: 1.86 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060662.D

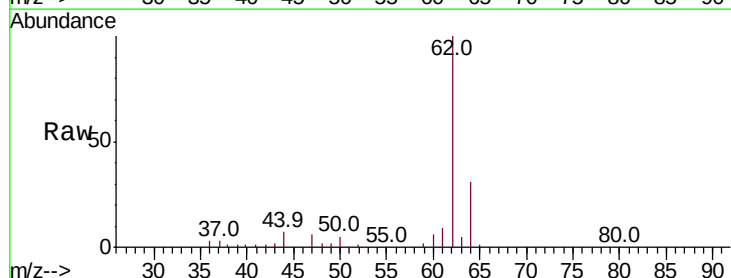
Acq: 20 Dec 2018 17:01

Tgt Ion: 62 Resp: 265961

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

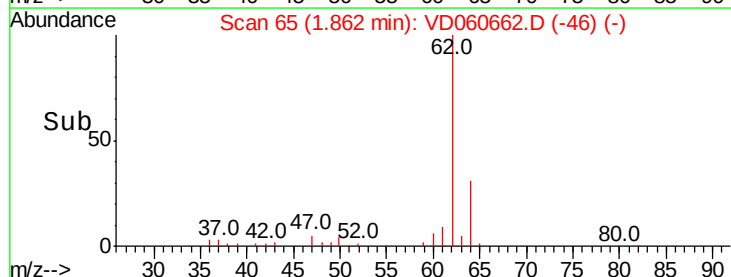
1.86

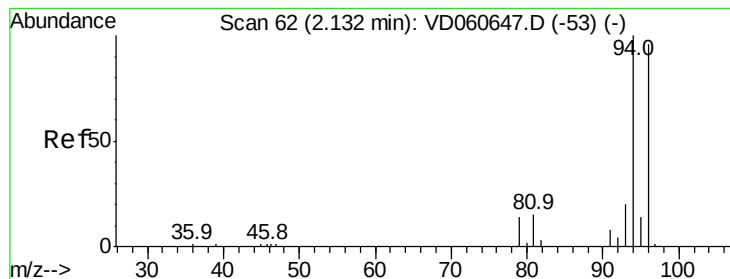
100000

50000

0

Time-->





#5

Bromomethane

Concen: 11.851 ug/l

RT: 2.16 min Scan# 95

Delta R.T. -0.01 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

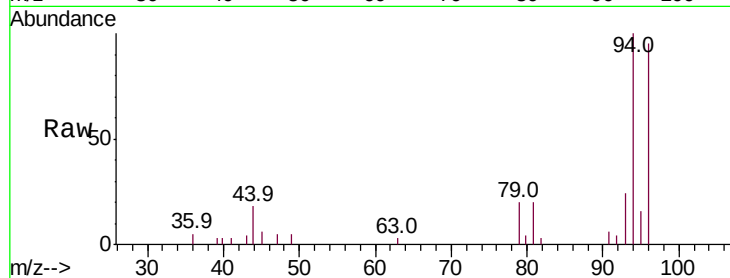
VD1220SBS01

Tot Ion: 94 Resp: 37480

Ion Ratio Lower Upper

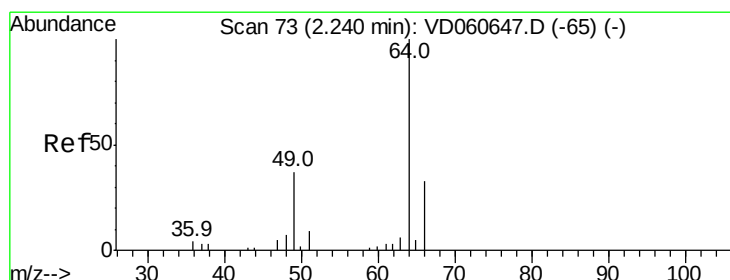
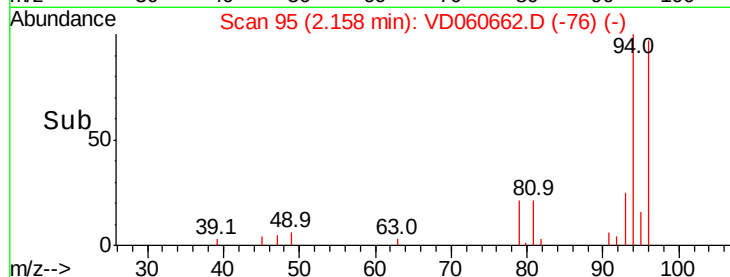
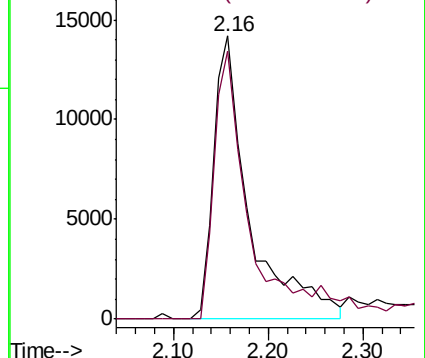
94 100

96 94.6 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: 16.392 ug/l

RT: 2.27 min Scan# 106

Delta R.T. -0.01 min

Lab File: VD060662.D

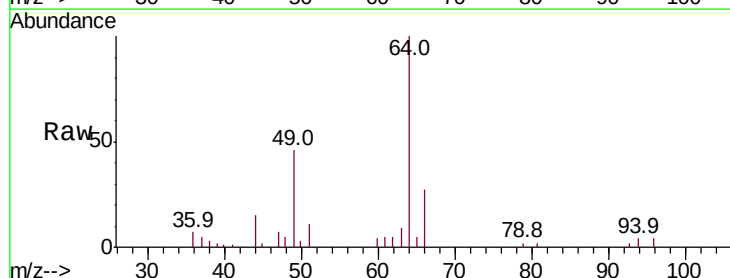
Acq: 20 Dec 2018 17:01

Tgt Ion: 64 Resp: 69064

Ion Ratio Lower Upper

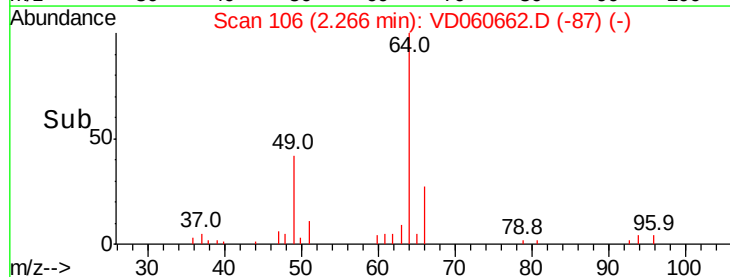
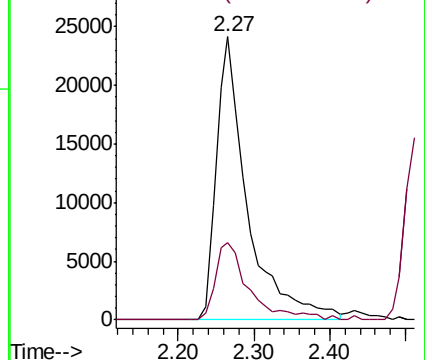
64 100

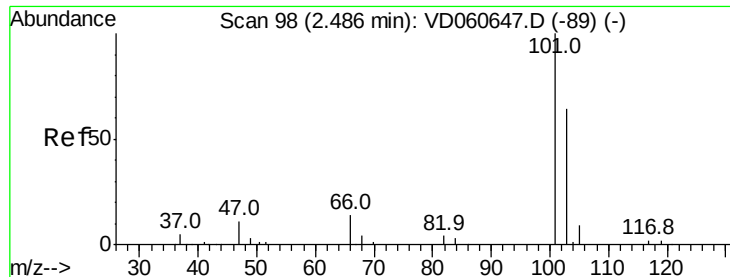
66 27.3 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



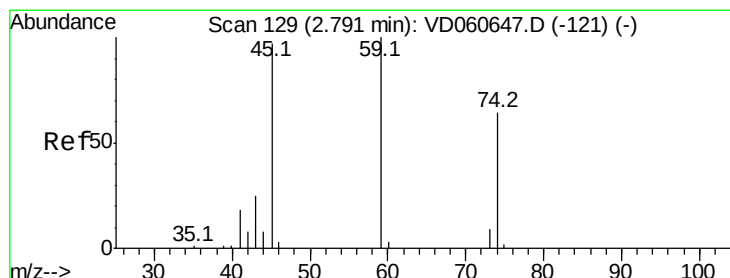
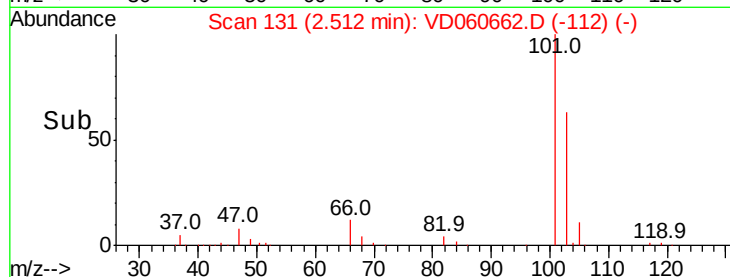
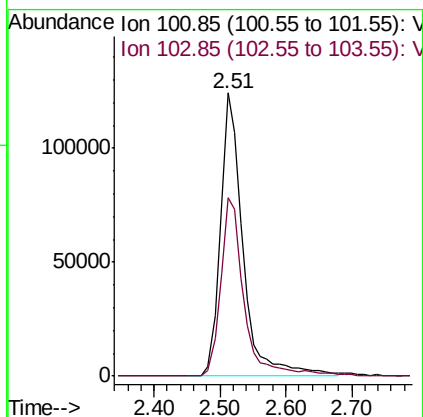
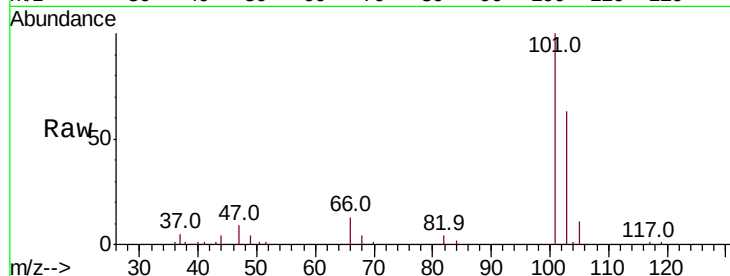


#7

Trichlorofluoromethane
Concen: 18.950 ug/l
RT: 2.51 min Scan# 131
Delta R.T. -0.01 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBSD01

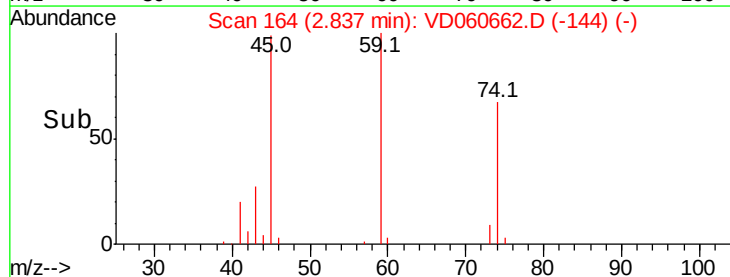
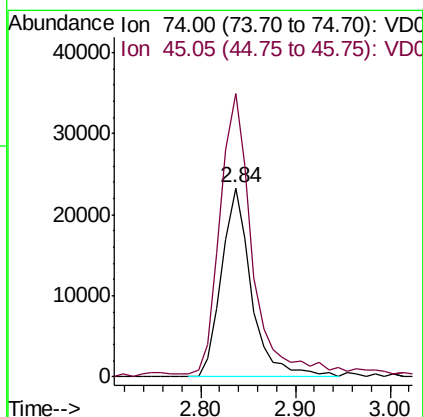
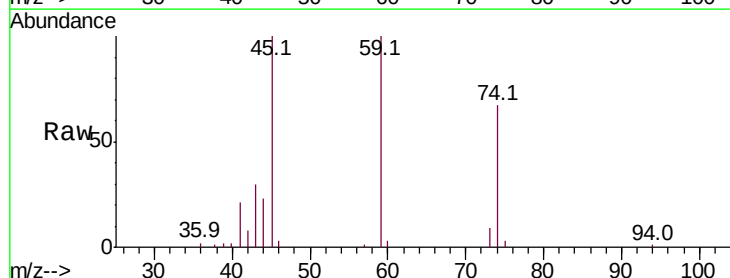
Tot Ion:101 Resp: 297584
Ion Ratio Lower Upper
101 100
103 63.1 51.9 77.9

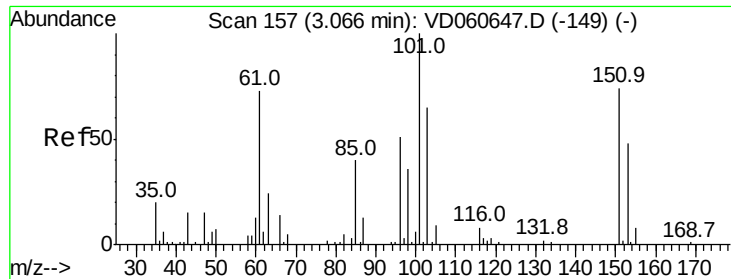


#8

Diethyl Ether
Concen: 19.425 ug/l
RT: 2.84 min Scan# 164
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Tgt Ion: 74 Resp: 51035
Ion Ratio Lower Upper
74 100
45 149.8 79.3 238.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.413 ug/l

RT: 3.10 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBSD01

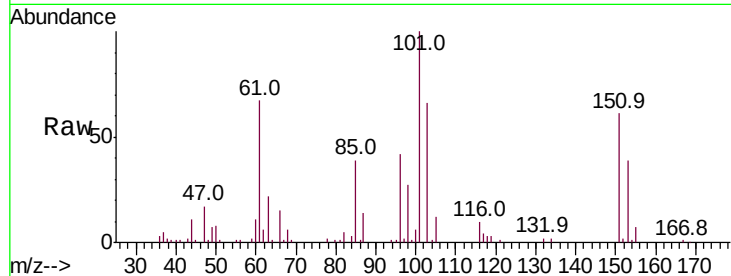
Tot Ion:101 Resp: 197749

Ion Ratio Lower Upper

101 100

85 38.9 33.4 50.0

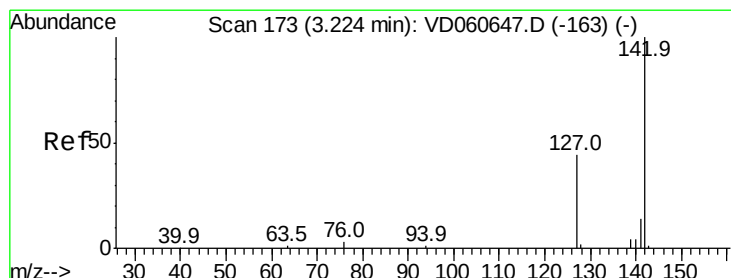
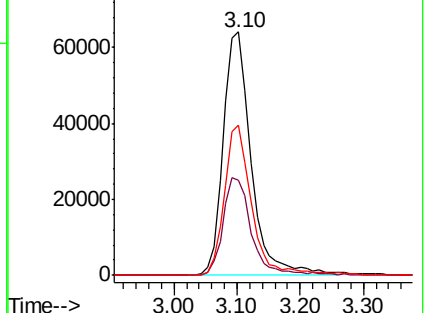
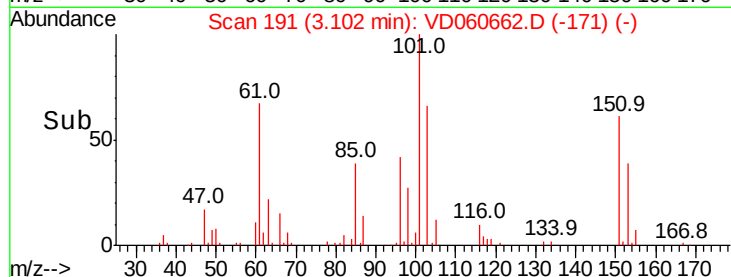
151 61.5 47.5 71.3



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: 17.488 ug/l

RT: 3.26 min Scan# 207

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

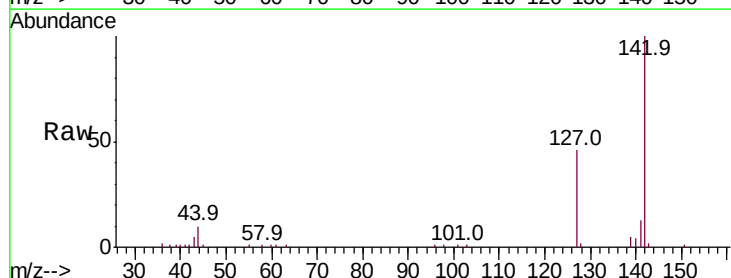
Tgt Ion:142 Resp: 187220

Ion Ratio Lower Upper

142 100

127 46.1 39.5 59.3

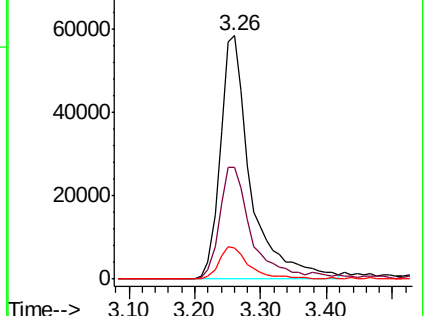
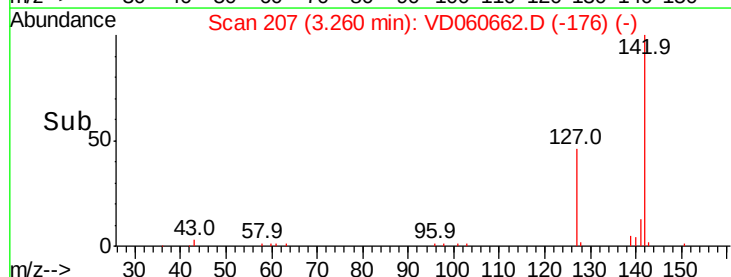
141 13.0 11.3 16.9

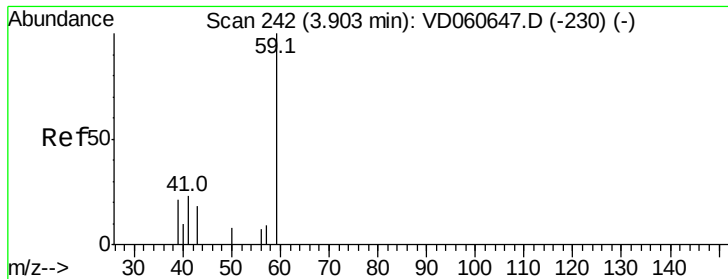


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



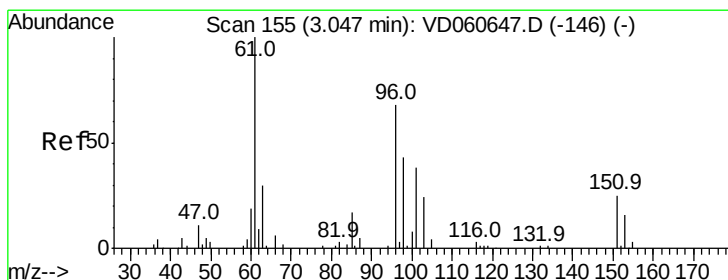
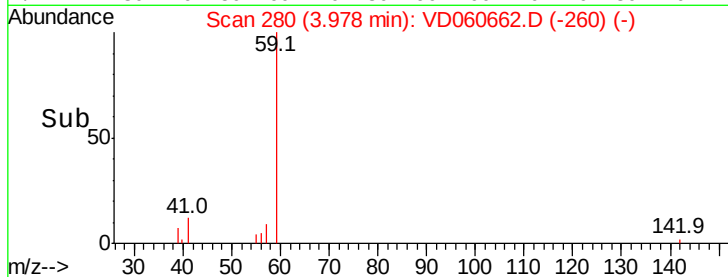
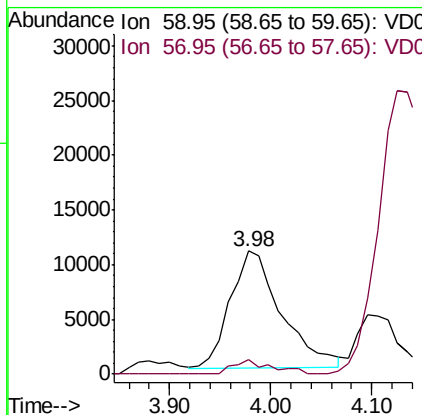
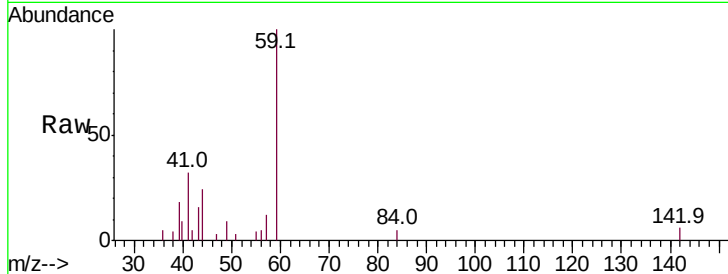


#11

Tert butyl alcohol
Concen: 86.017 ug/l
RT: 3.98 min Scan# 280
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

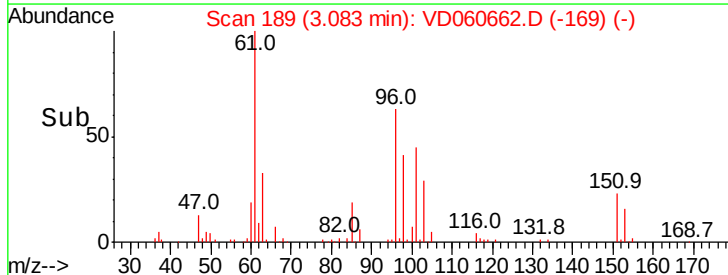
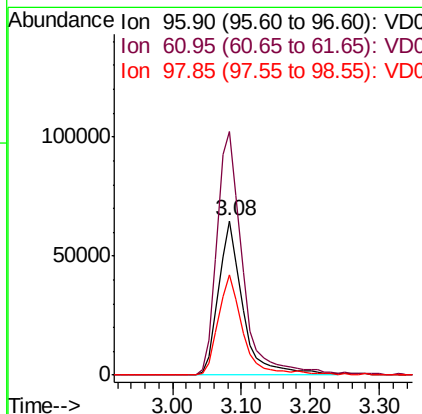
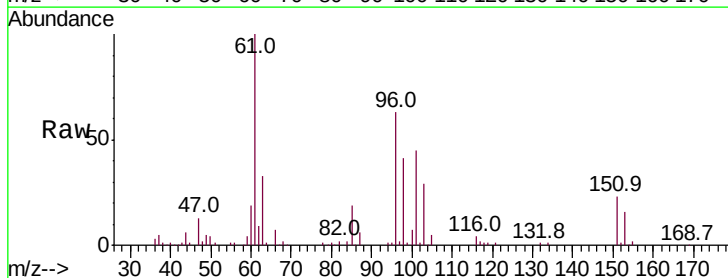
Tot Ion: 59 Resp: 37568
Ion Ratio Lower Upper
59 100
57 11.7 7.8 11.6#

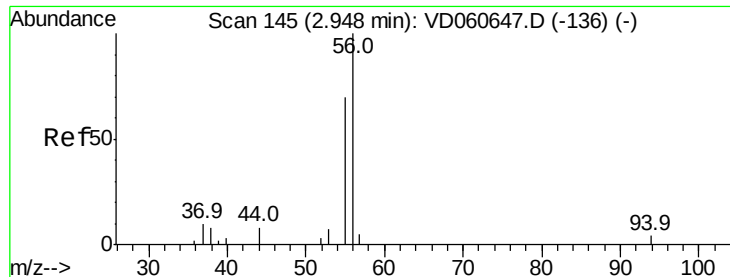


#12

1,1-Dichloroethene
Concen: 19.041 ug/l
RT: 3.08 min Scan# 189
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Tgt Ion: 96 Resp: 159364
Ion Ratio Lower Upper
96 100
61 158.0 136.2 204.4
98 65.3 50.7 76.1





#13

Acrolein

Concen: 111.437 ug/l

RT: 2.99 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

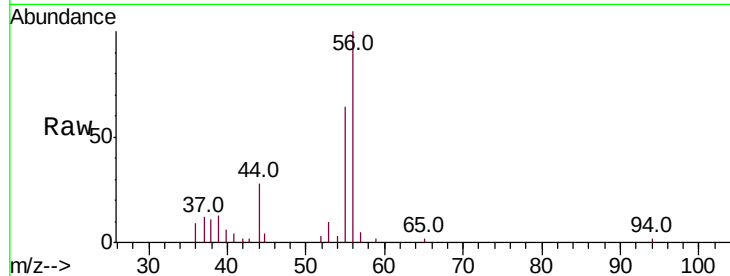
VD1220SBS01

Tot Ion: 56 Resp: 49597

Ion Ratio Lower Upper

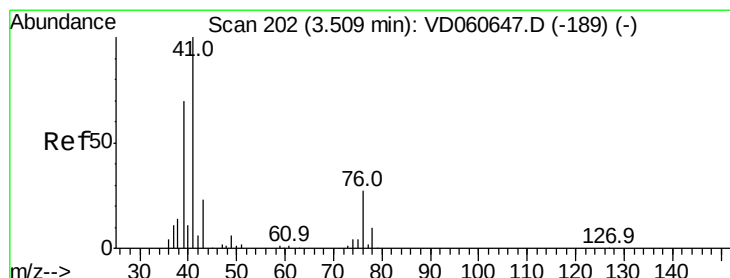
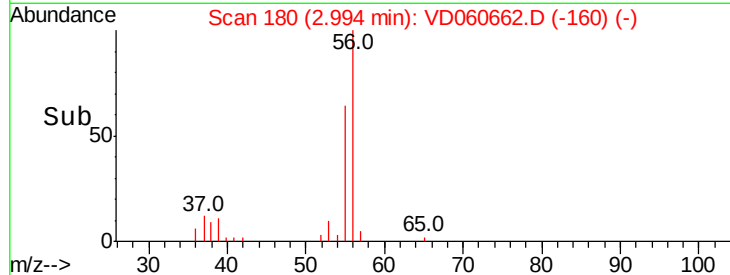
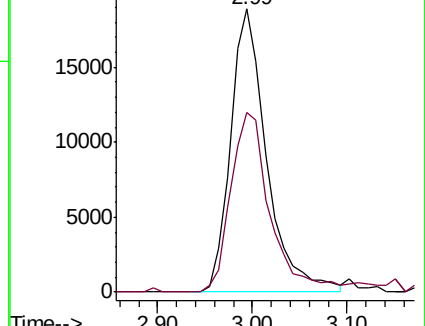
56 100

55 63.5 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: 18.587 ug/l

RT: 3.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

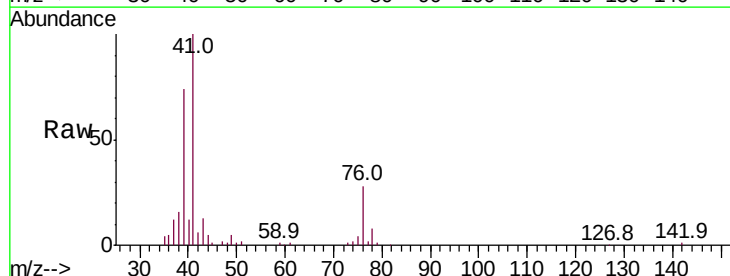
Tgt Ion: 41 Resp: 285462

Ion Ratio Lower Upper

41 100

39 74.4 59.6 89.4

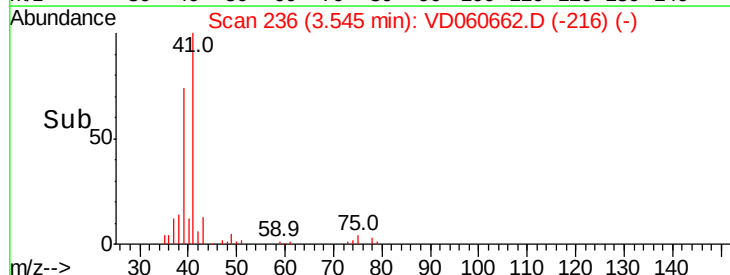
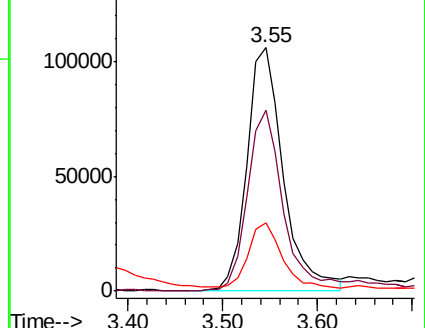
76 27.9 21.8 32.6

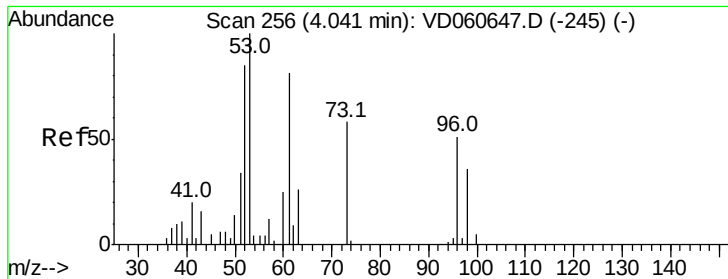


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.518 ug/l

RT: 4.10 min Scan# 292

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

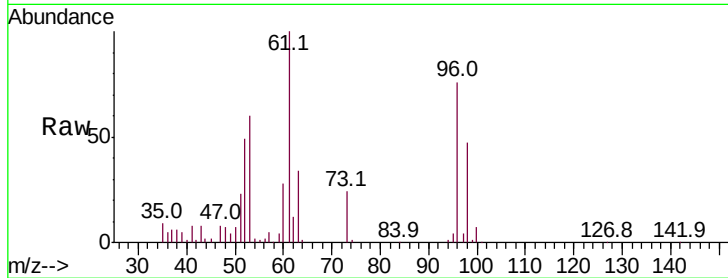
Tot Ion: 53 Resp: 252339

Ion Ratio Lower Upper

53 100

52 81.5 66.7 100.1

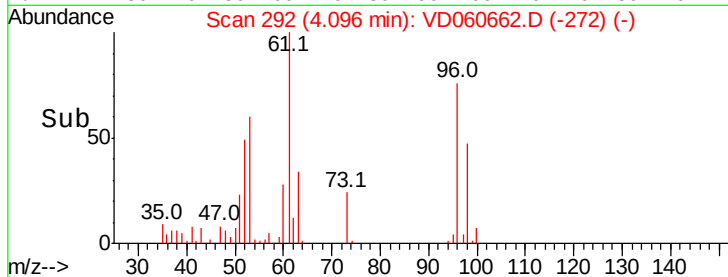
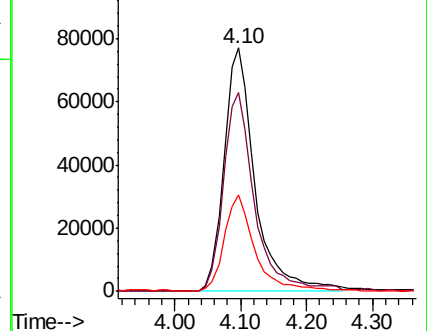
51 39.4 32.7 49.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 98.247 ug/l

RT: 3.17 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD060662.D

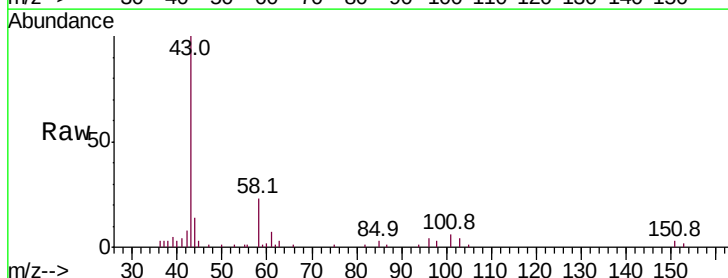
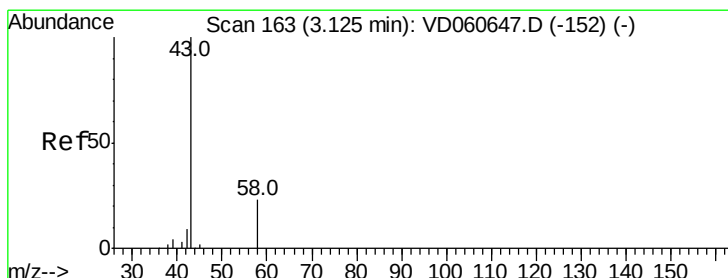
Acq: 20 Dec 2018 17:01

Tgt Ion: 43 Resp: 179303

Ion Ratio Lower Upper

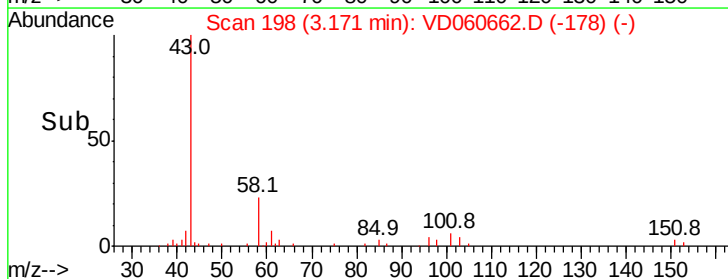
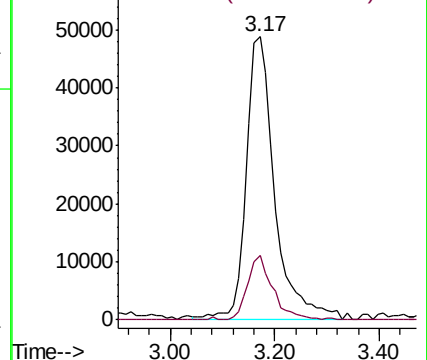
43 100

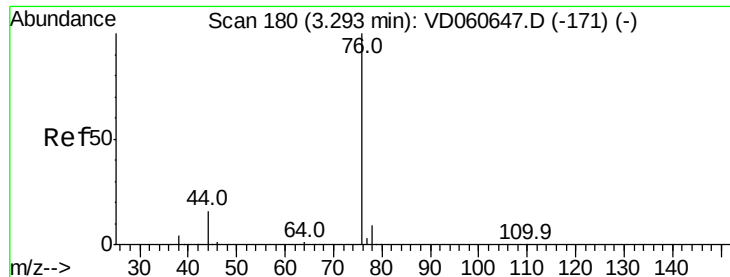
58 22.6 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 18.487 ug/l

RT: 3.32 min Scan# 213

Delta R.T. -0.01 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

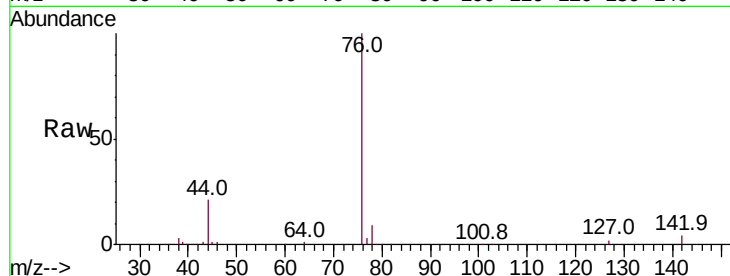
VD1220SBS01

Tot Ion: 76 Resp: 494144

Ion Ratio Lower Upper

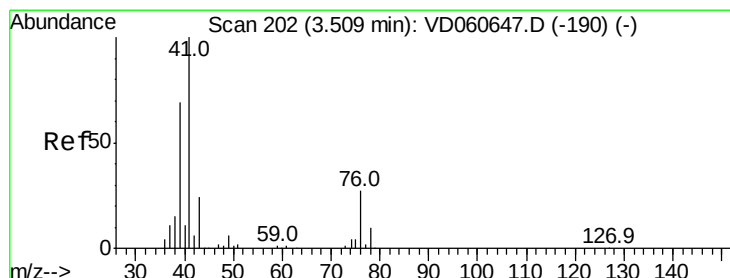
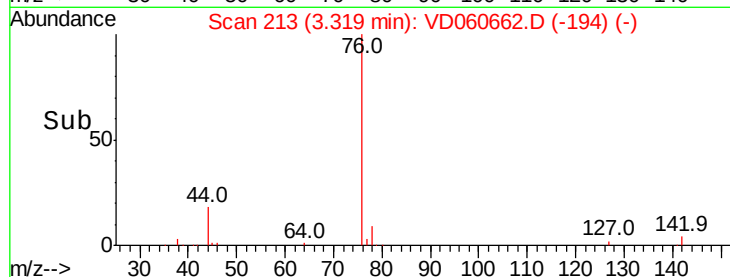
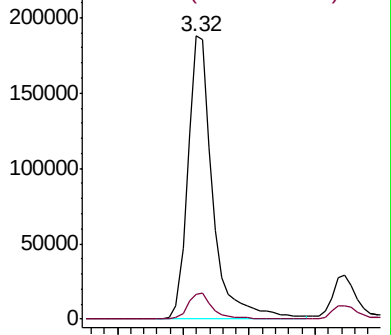
76 100

78 8.8 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: 18.376 ug/l

RT: 3.56 min Scan# 238

Delta R.T. 0.00 min

Lab File: VD060662.D

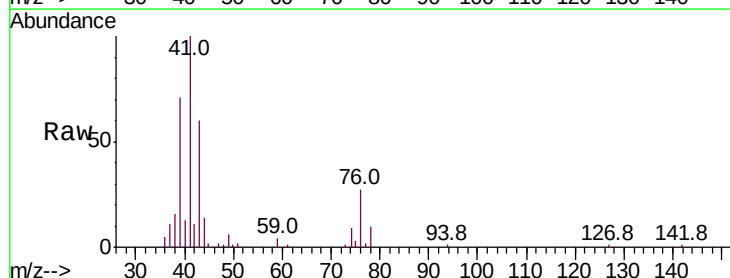
Acq: 20 Dec 2018 17:01

Tgt Ion: 43 Resp: 83116

Ion Ratio Lower Upper

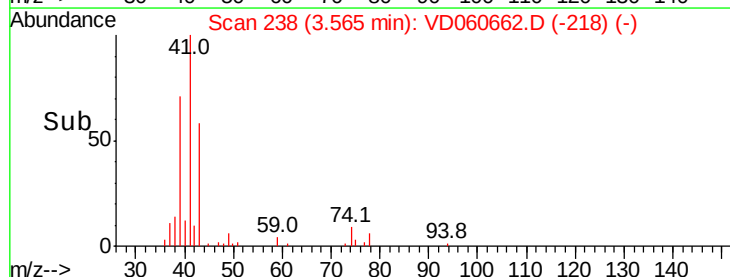
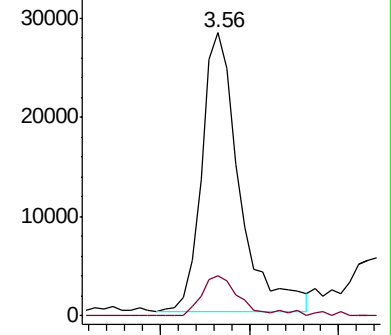
43 100

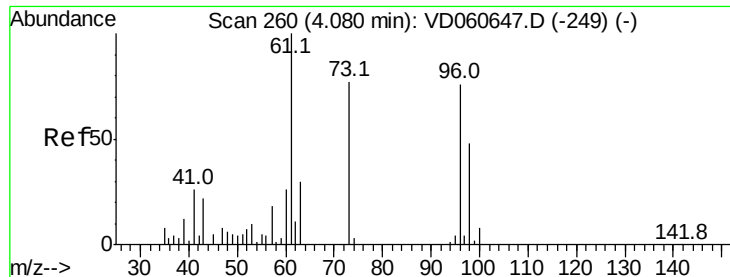
74 14.2 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



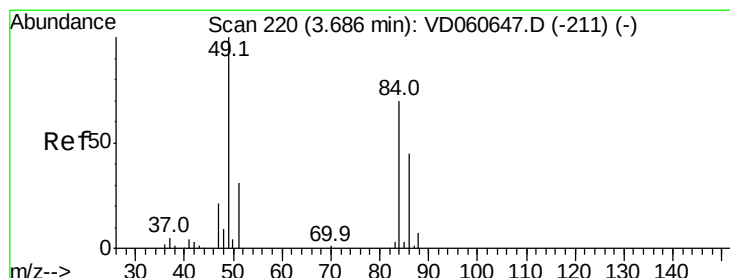
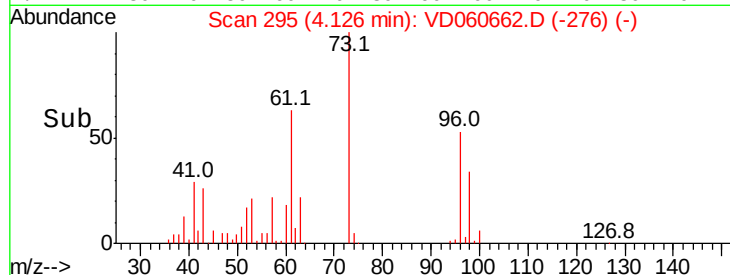
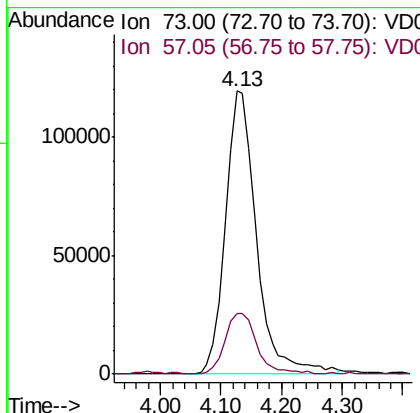
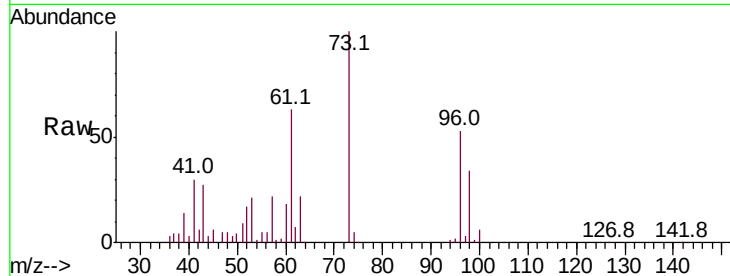


#19

Methyl tert-butyl Ether
 Concen: 20.003 ug/l
 RT: 4.13 min Scan# 295
 Delta R.T. -0.01 min
 Lab File: VD060662.D
 Acq: 20 Dec 2018 17:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

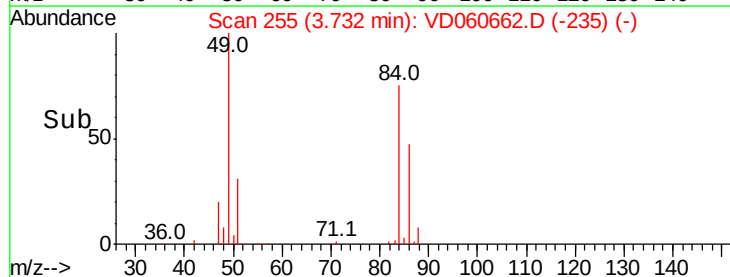
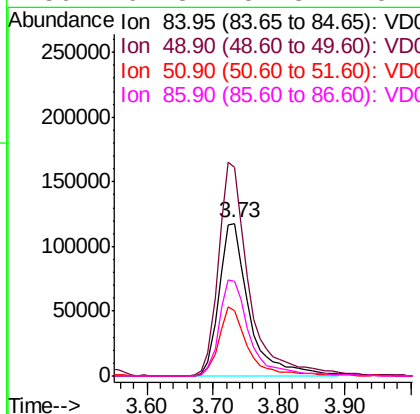
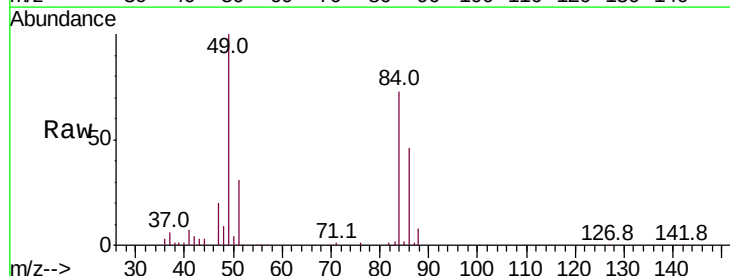
Tot Ion: 73 Resp: 424755
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.6 26.4

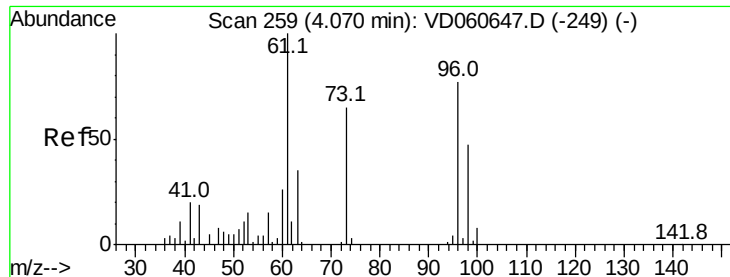


#20

Methylene Chloride
 Concen: 19.886 ug/l
 RT: 3.73 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VD060662.D
 Acq: 20 Dec 2018 17:01

Tgt Ion: 84 Resp: 376899
 Ion Ratio Lower Upper
 84 100
 49 136.6 113.6 170.4
 51 42.5 34.7 52.1
 86 62.3 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 19.417 ug/l

RT: 4.11 min Scan# 293

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

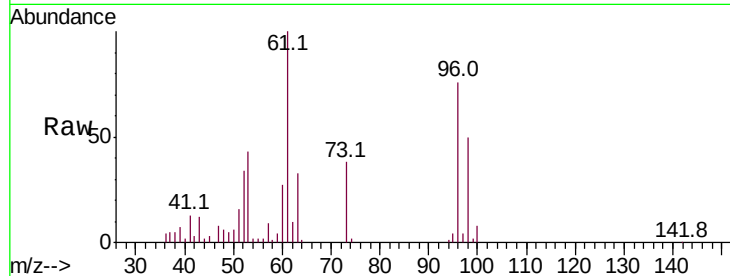
Tot Ion: 96 Resp: 332818

Ion Ratio Lower Upper

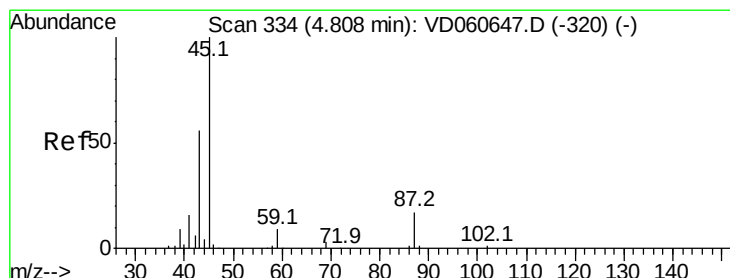
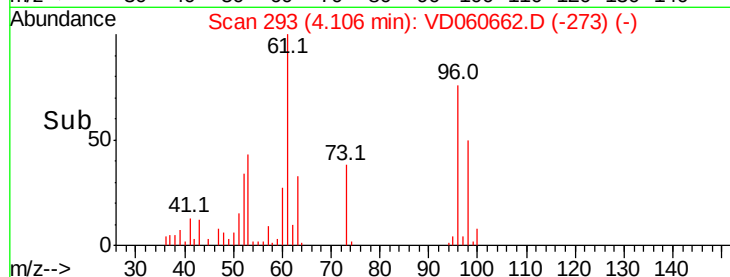
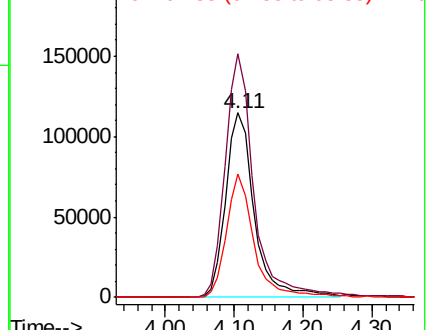
96 100

61 132.1 104.2 156.2

98 66.7 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: 19.923 ug/l

RT: 4.86 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Tgt Ion: 45 Resp: 1038856

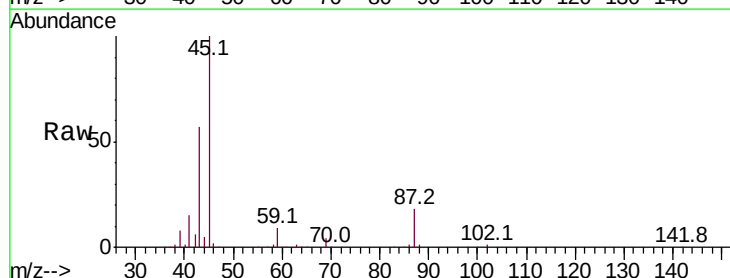
Ion Ratio Lower Upper

45 100

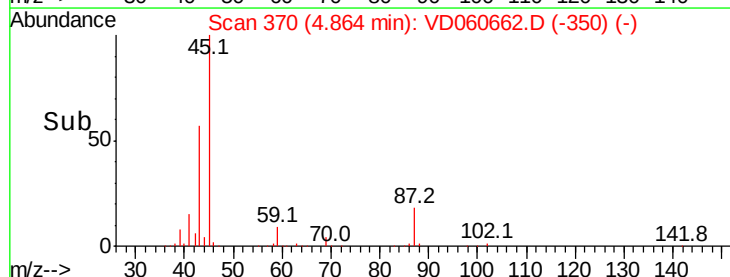
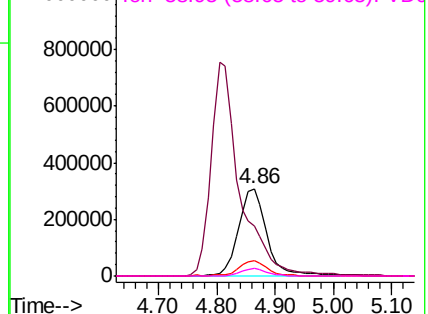
43 57.1 46.1 69.1

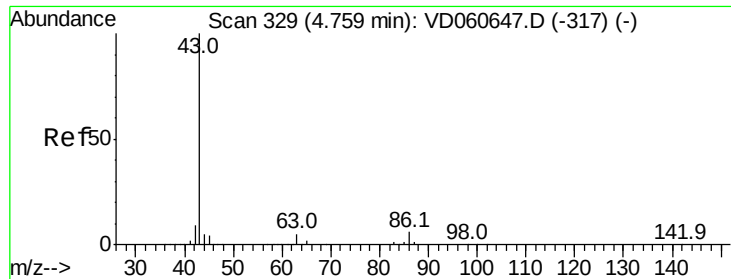
87 17.7 13.7 20.5

59 8.9 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: 102.218 ug/l

RT: 4.80 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

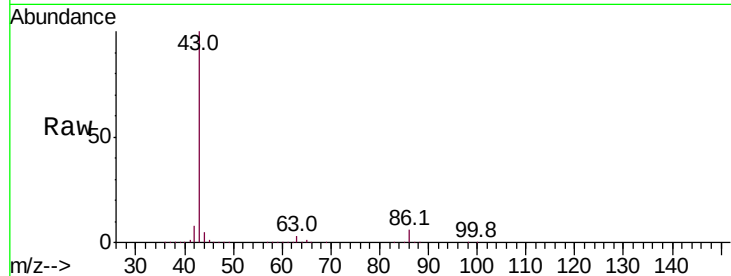
VD1220SBS01

Tot Ion: 43 Resp: 2578711

Ion Ratio Lower Upper

43 100

86 6.3 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

800000

600000

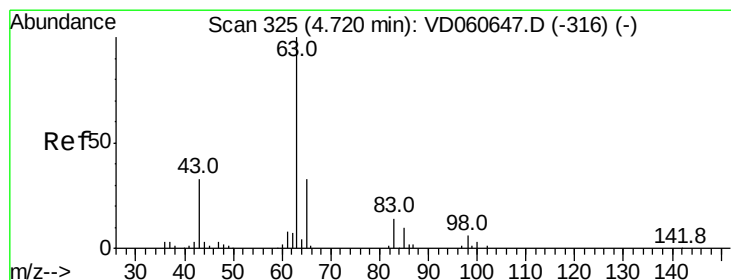
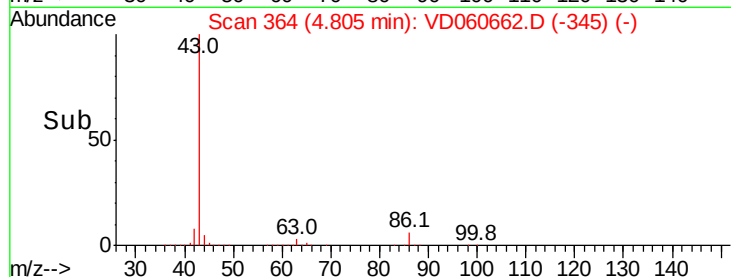
400000

200000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.531 ug/l

RT: 4.77 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

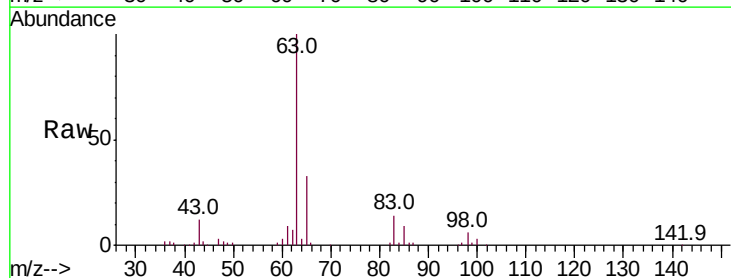
Tgt Ion: 63 Resp: 535678

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.7

100 3.4 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

200000

150000

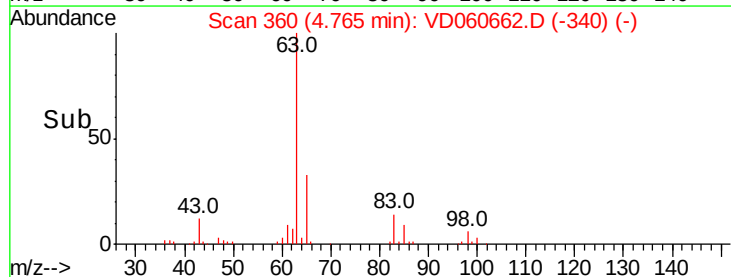
100000

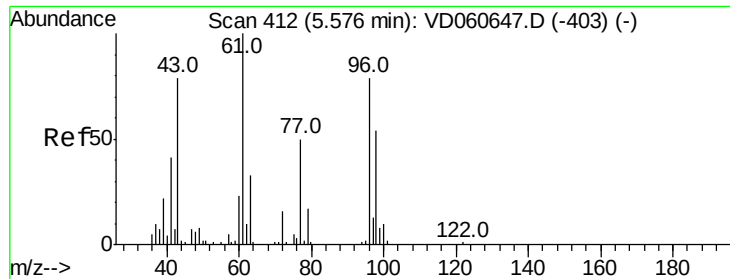
50000

0

4.60 4.70 4.80 4.90

Time-->





#25

2-Butanone

Concen: 99.537 ug/l

RT: 5.62 min Scan# 447

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

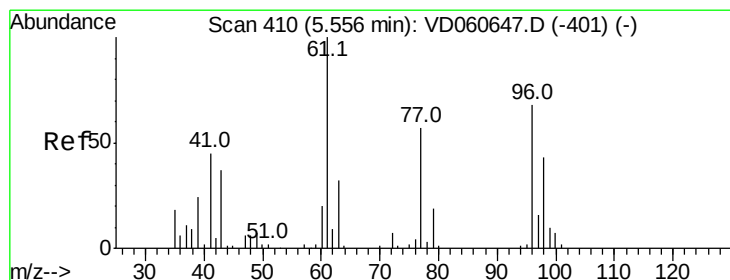
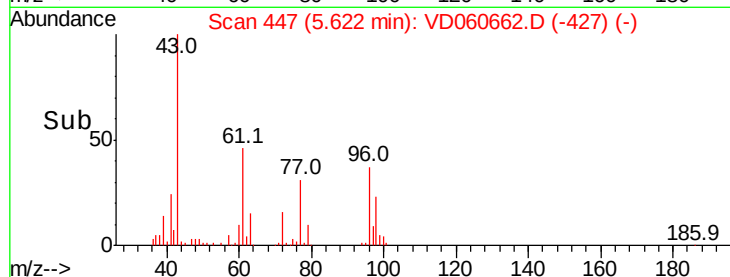
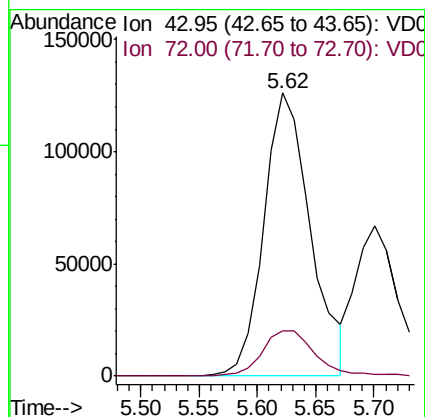
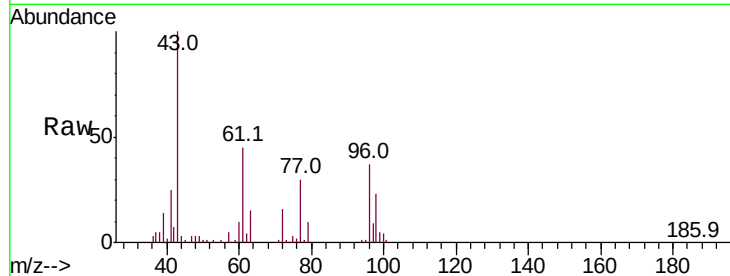
VD1220SBS01

Tot Ion: 43 Resp: 347617

Ion Ratio Lower Upper

43 100

72 16.1 13.7 20.5



#26

2,2-Dichloropropane

Concen: 19.263 ug/l

RT: 5.59 min Scan# 444

Delta R.T. 0.00 min

Lab File: VD060662.D

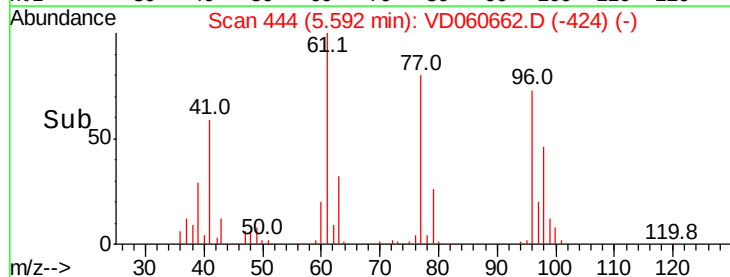
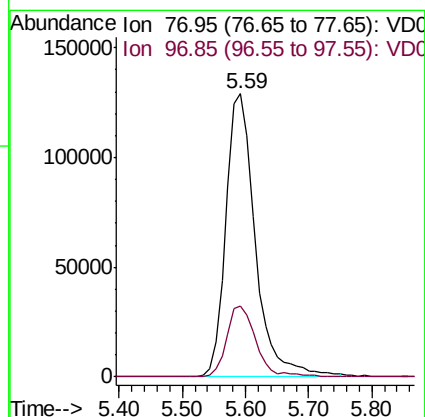
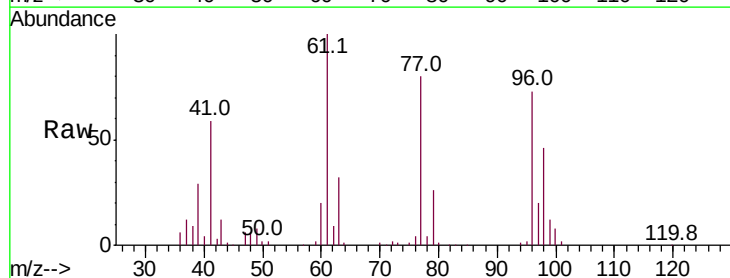
Acq: 20 Dec 2018 17:01

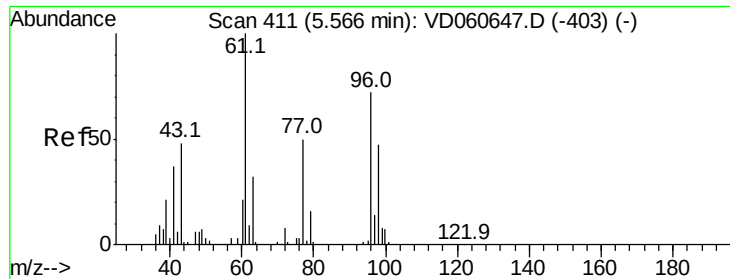
Tgt Ion: 77 Resp: 417044

Ion Ratio Lower Upper

77 100

97 25.0 13.0 39.0



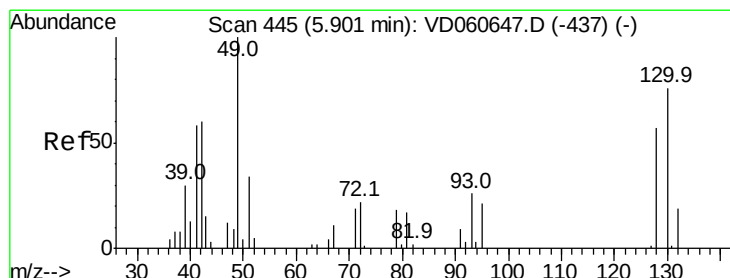
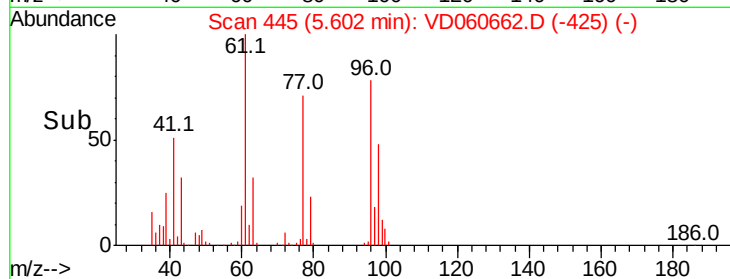
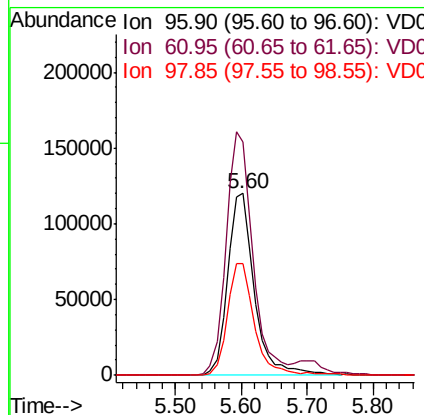
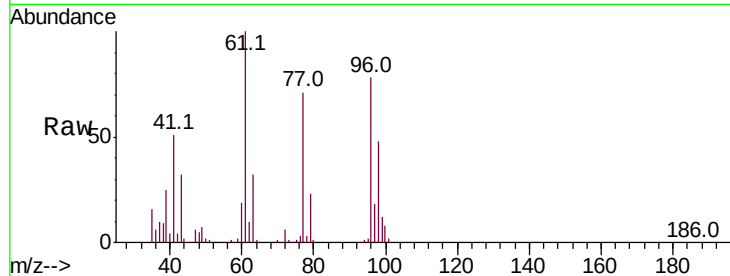


#27

cis-1,2-Dichloroethene
 Concen: 19.547 ug/l
 RT: 5.60 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: VD060662.D
 Acq: 20 Dec 2018 17:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

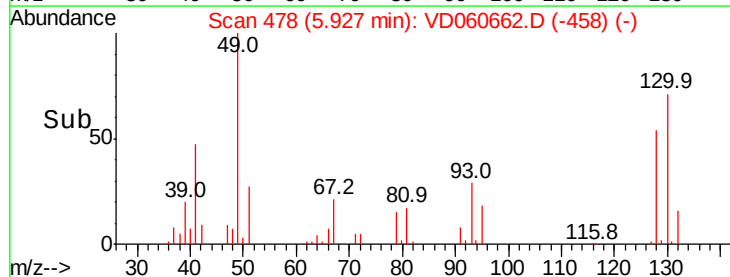
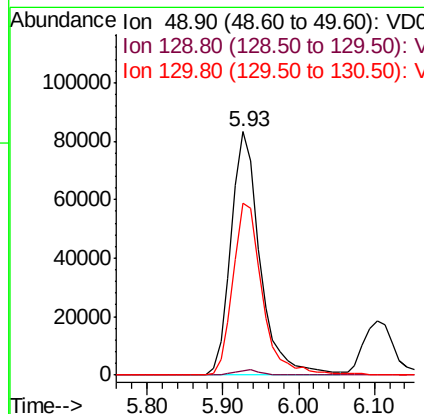
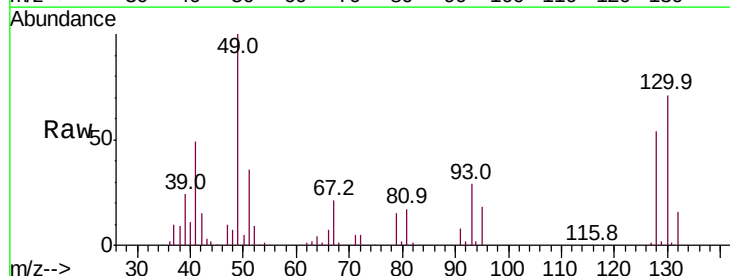
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.6	0.0	259.4
98	61.3	0.0	130.0

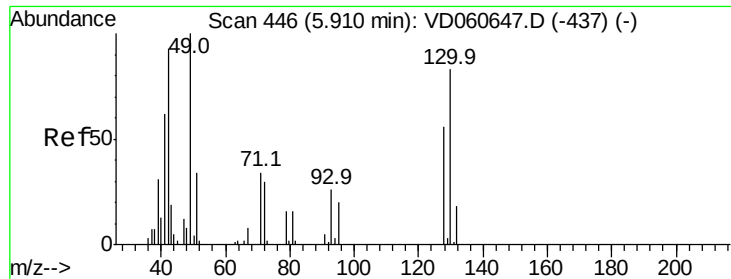


#28

Bromochloromethane
 Concen: 18.984 ug/l
 RT: 5.93 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VD060662.D
 Acq: 20 Dec 2018 17:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.7	56.2	84.2

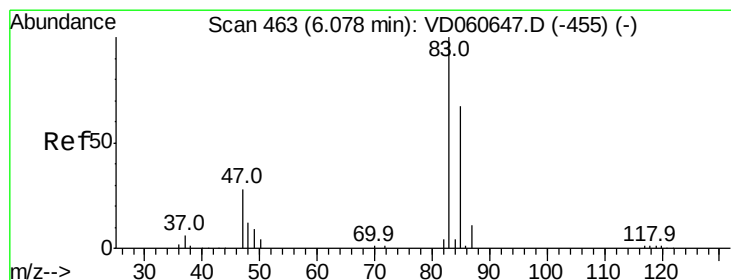
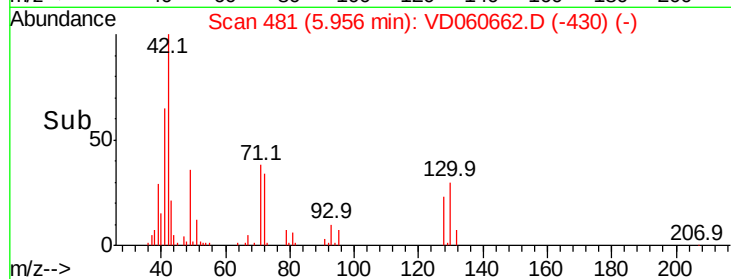
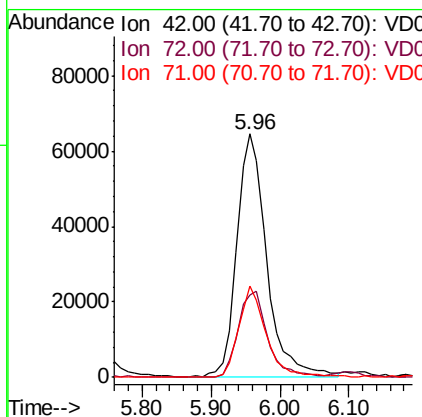
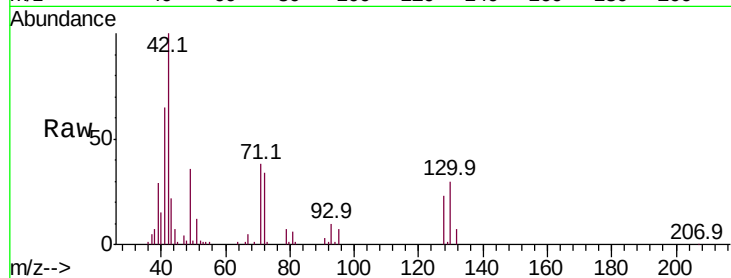




#29
Tetrahydrofuran
Concen: 98.015 ug/l
RT: 5.96 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

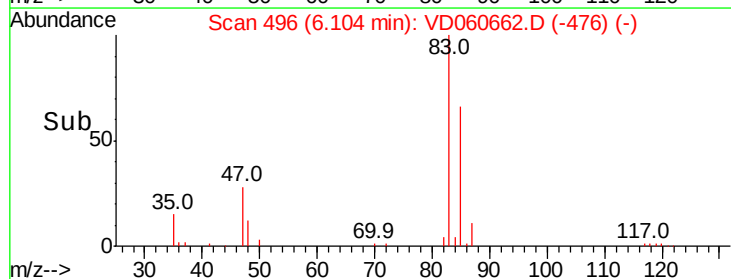
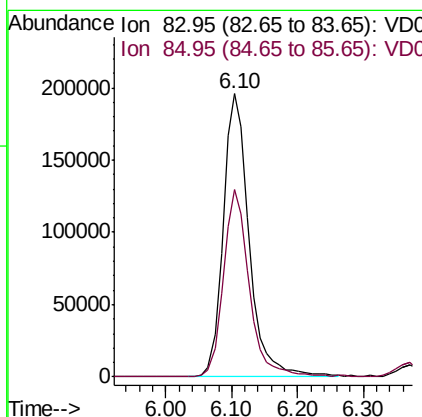
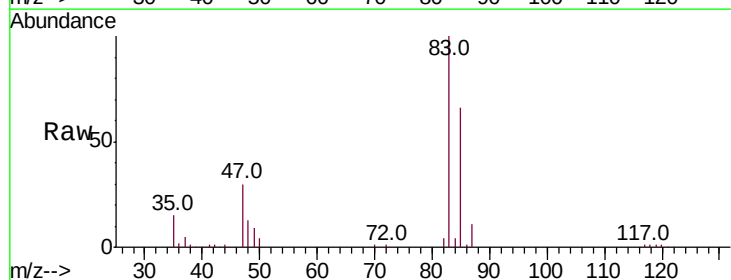
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

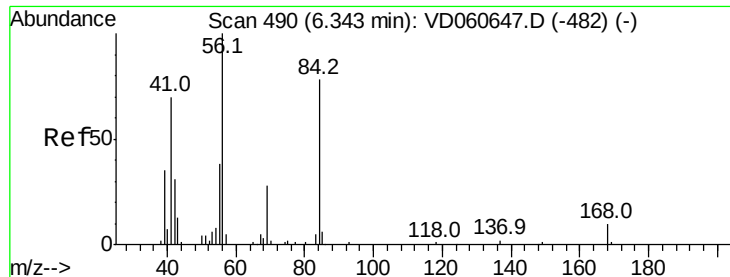
Tot Ion: 42 Resp: 194051
Ion Ratio Lower Upper
42 100
72 34.9 28.0 42.0
71 34.4 27.0 40.6



#30
Chloroform
Concen: 19.530 ug/l
RT: 6.10 min Scan# 496
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Tgt Ion: 83 Resp: 538992
Ion Ratio Lower Upper
83 100
85 66.4 53.0 79.6

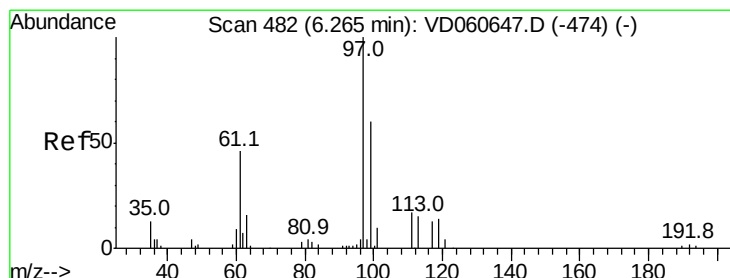
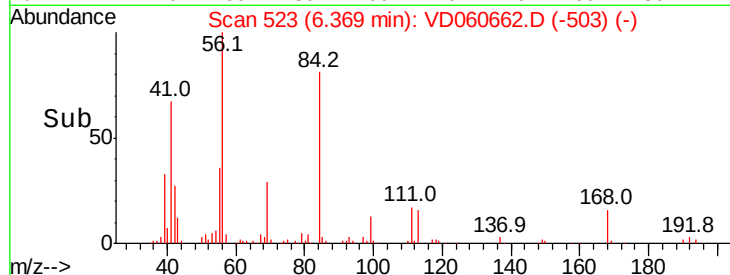
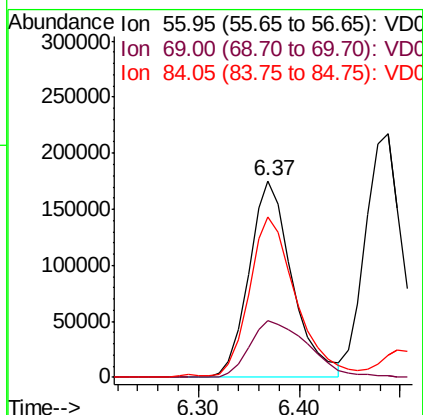
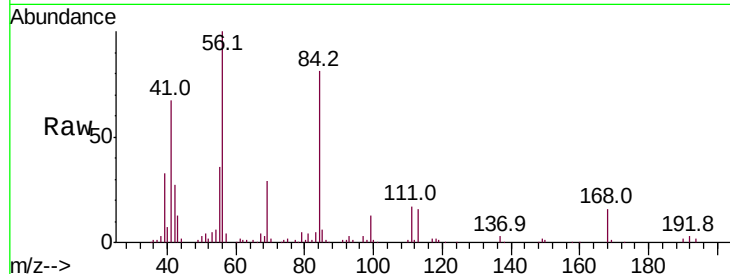




#31
Cyclohexane
Concen: 19.768 ug/l
RT: 6.37 min Scan# 523
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

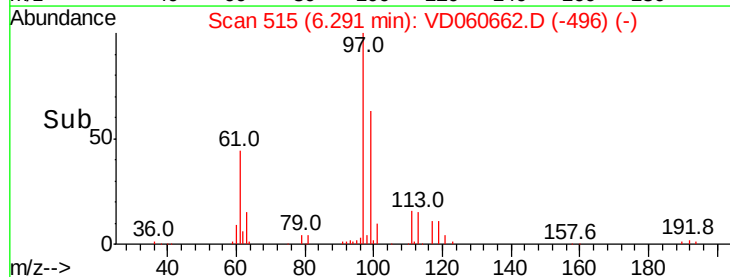
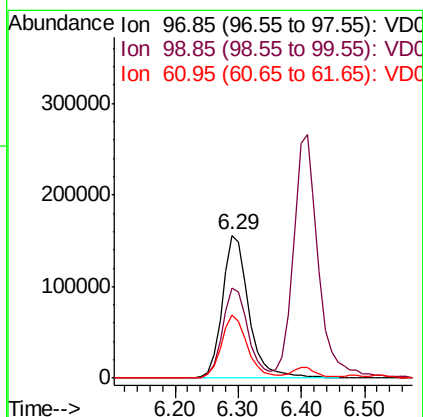
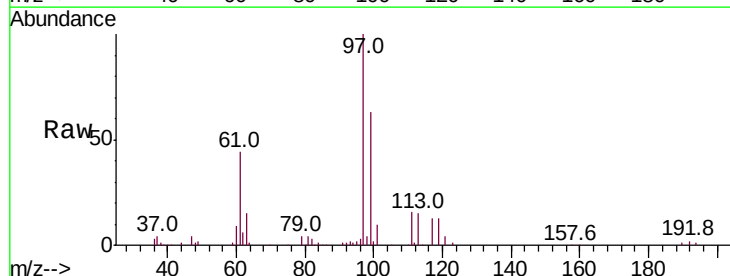
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

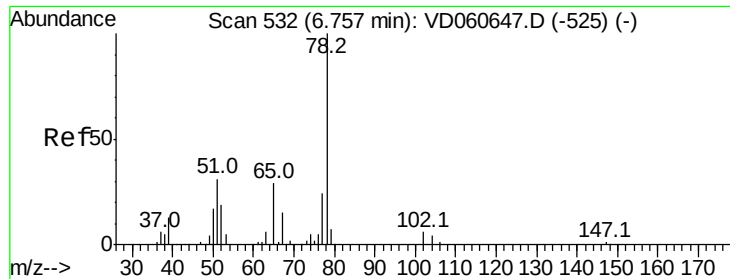
Tot Ion: 56 Resp: 521772
Ion Ratio Lower Upper
56 100
69 29.0 23.6 35.4
84 81.5 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 19.785 ug/l
RT: 6.29 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Tgt Ion: 97 Resp: 451750
Ion Ratio Lower Upper
97 100
99 63.1 50.5 75.7
61 44.3 34.6 51.8





#33

1,2-Dichloroethane-d4

Concen: 19.785 ug/l

RT: 6.78 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

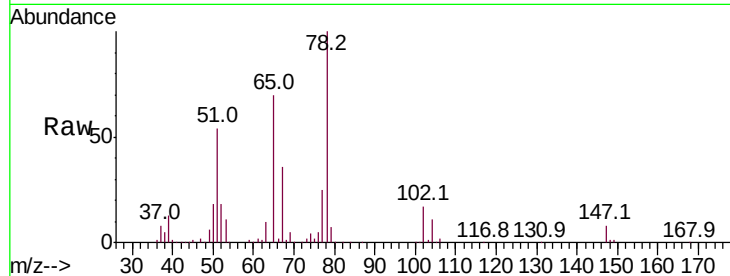
VD1220SBSD01

Tot Ion: 65 Resp: 558618

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

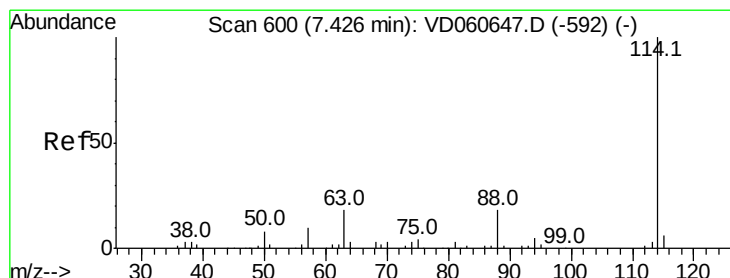
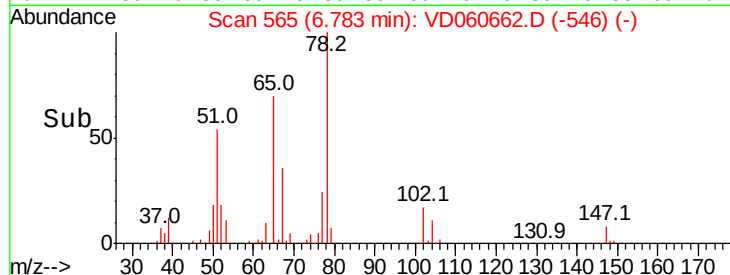
50000

0

6.78

6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 632

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

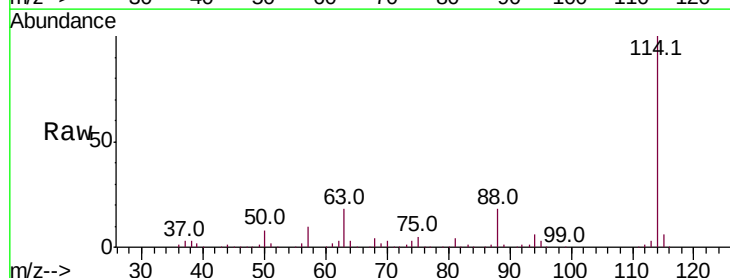
Tgt Ion:114 Resp: 2094716

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.2

88 18.4 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

400000

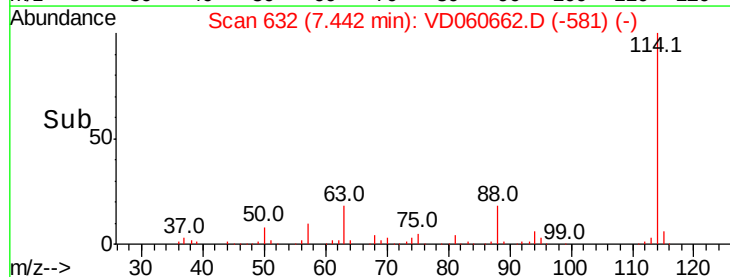
200000

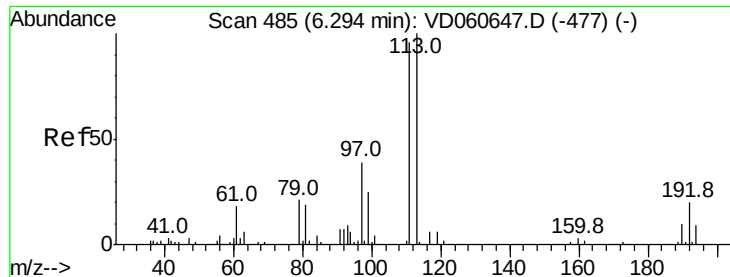
0

7.44

7.30 7.40 7.50 7.60 7.70

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 518

Delta R.T. -0.01 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBSD01

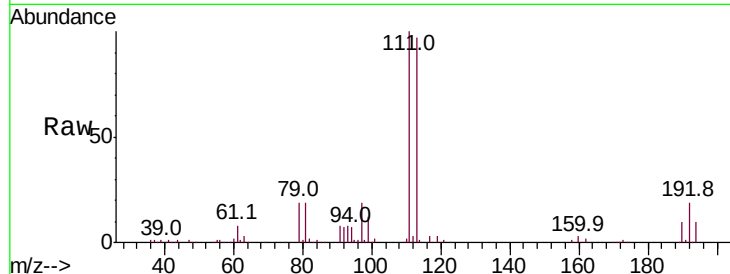
Tot Ion:113 Resp: 800035

Ion Ratio Lower Upper

113 100

111 102.6 80.0 120.0

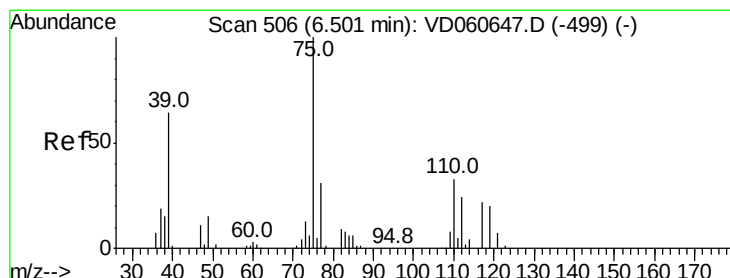
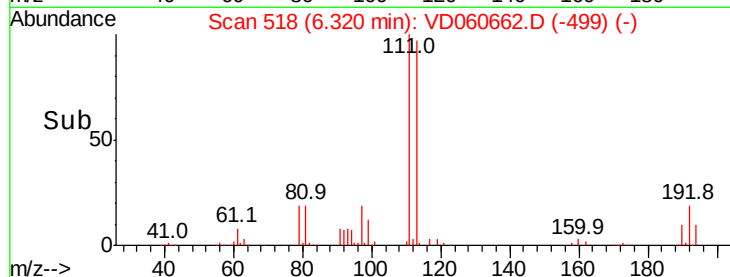
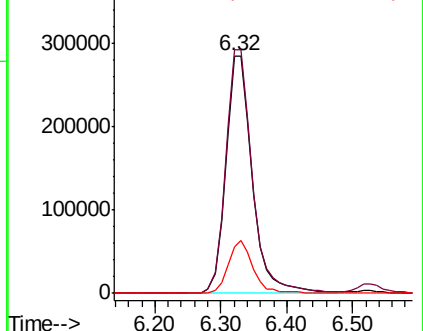
192 19.5 16.6 25.0



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: 19.791 ug/l

RT: 6.53 min Scan# 539

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

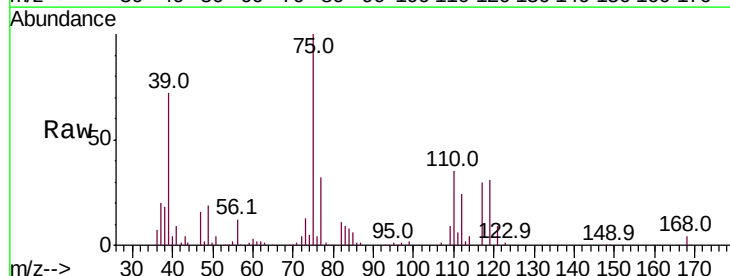
Tgt Ion: 75 Resp: 426884

Ion Ratio Lower Upper

75 100

110 35.0 18.9 56.7

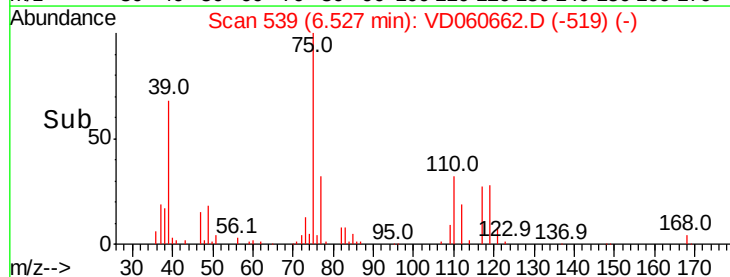
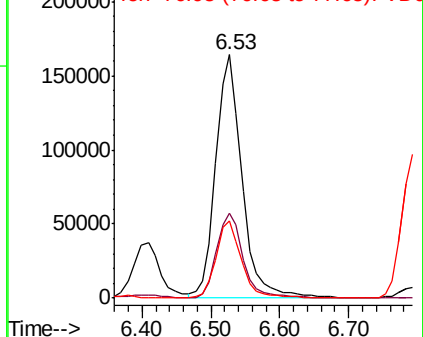
77 31.6 25.4 38.0

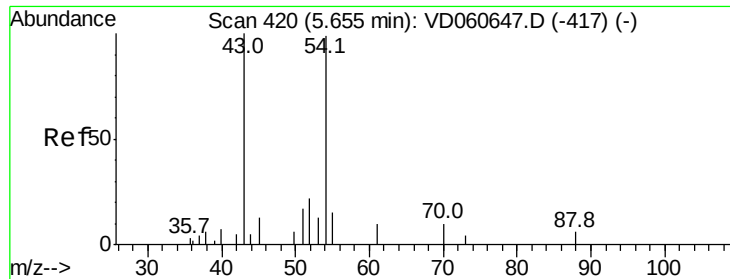


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

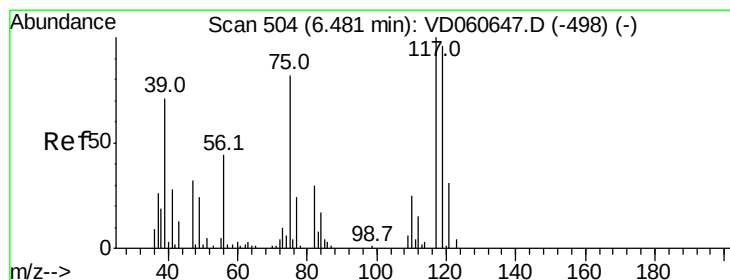
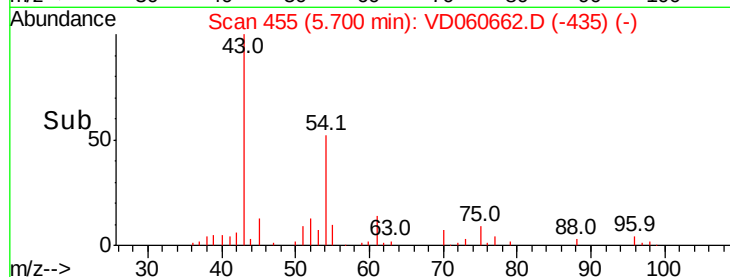
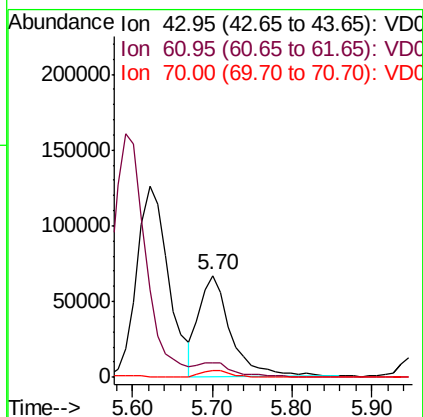
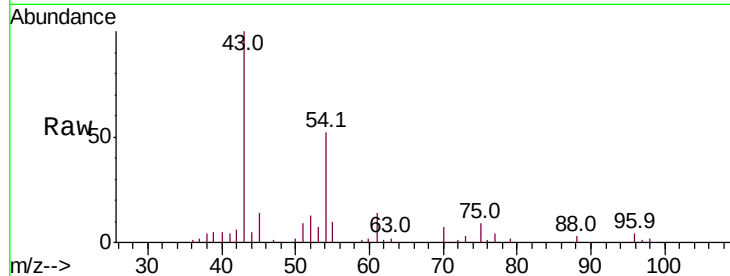




#37
Ethyl Acetate
Concen: 20.207 ug/l
RT: 5.70 min Scan# 455
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

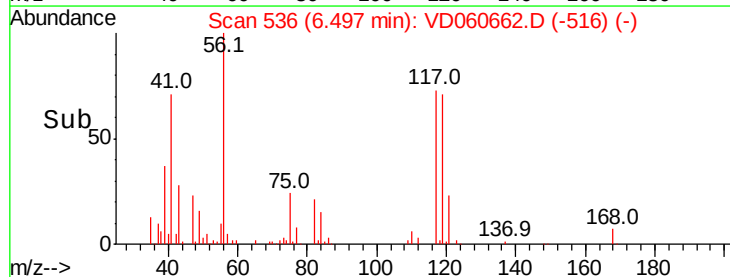
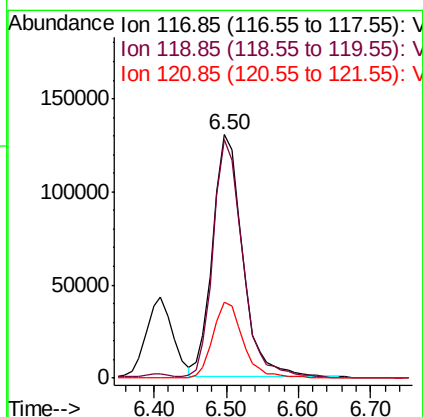
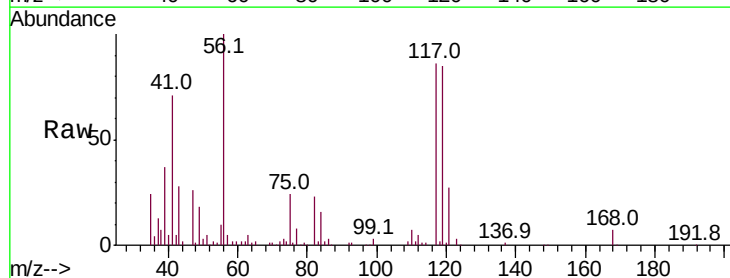
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBSD01

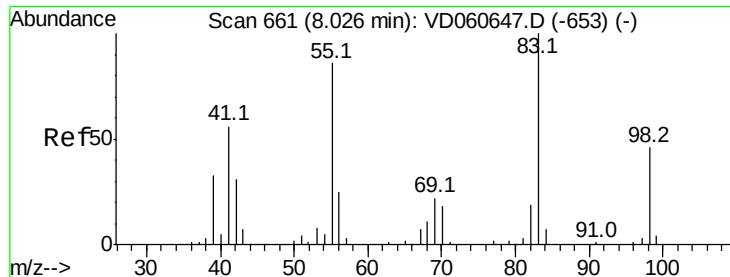
Tot Ion: 43 Resp: 182291
Ion Ratio Lower Upper
43 100
61 14.1 11.8 17.6
70 7.2 5.8 8.6



#38
Carbon Tetrachloride
Concen: 19.763 ug/l
RT: 6.50 min Scan# 536
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Tgt Ion: 117 Resp: 376079
Ion Ratio Lower Upper
117 100
119 97.8 77.0 115.4
121 30.9 24.7 37.1

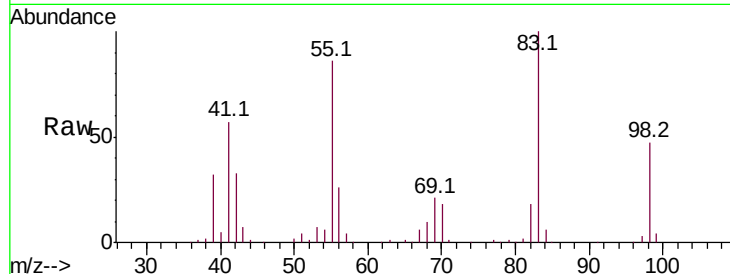




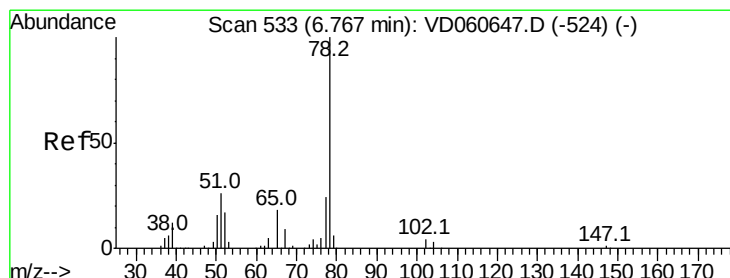
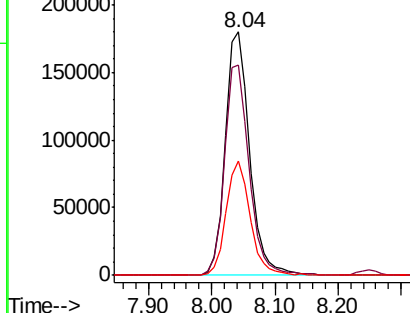
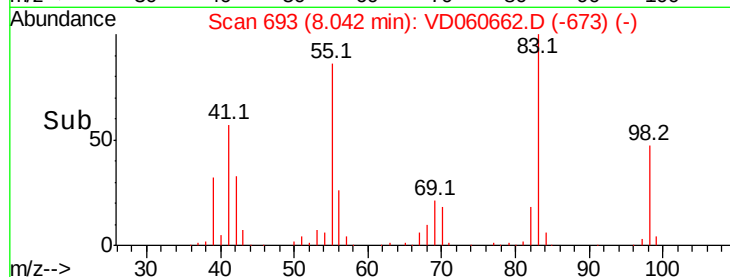
#39
Methylvlcyclohexane
Concen: 19.547 ug/l
RT: 8.04 min Scan# 693
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tot Ion: 83 Resp: 480857
Ion Ratio Lower Upper
83 100
55 86.3 68.6 102.8
98 47.0 38.1 57.1

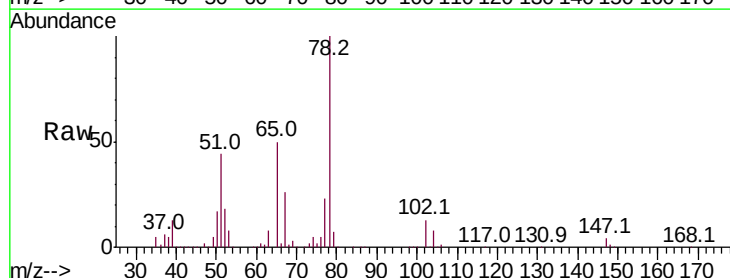


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

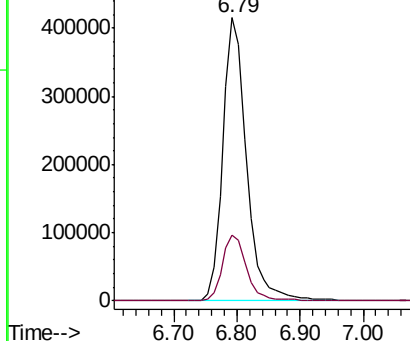
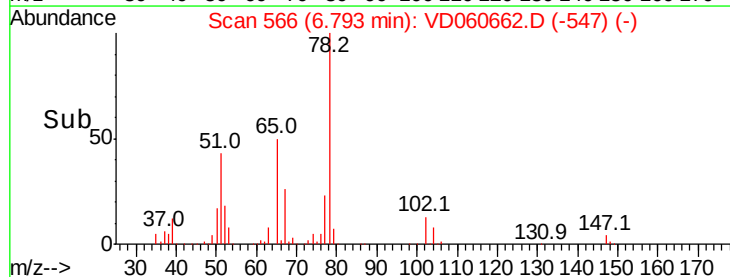


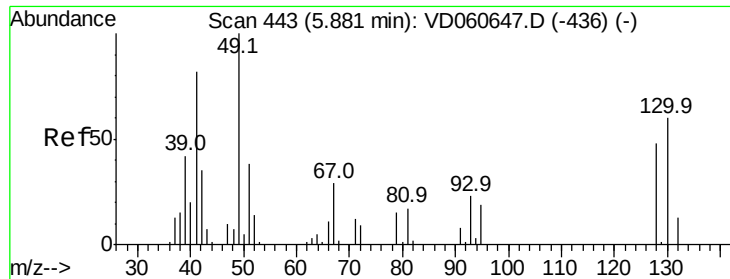
#40
Benzene
Concen: 19.483 ug/l
RT: 6.79 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Tgt Ion: 78 Resp: 1085530
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8



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

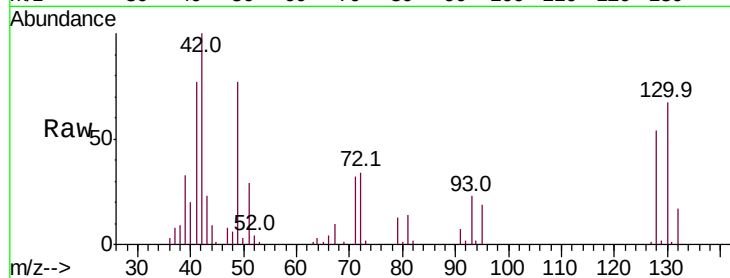




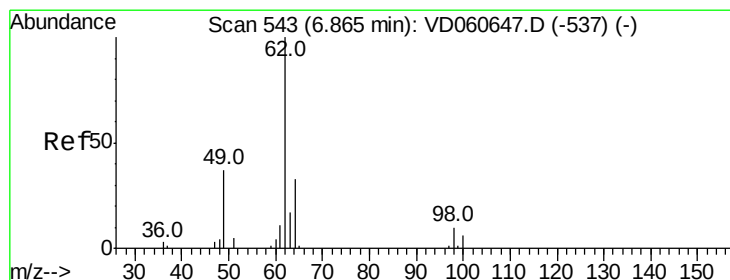
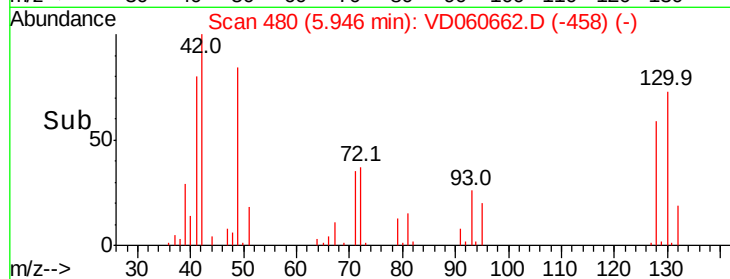
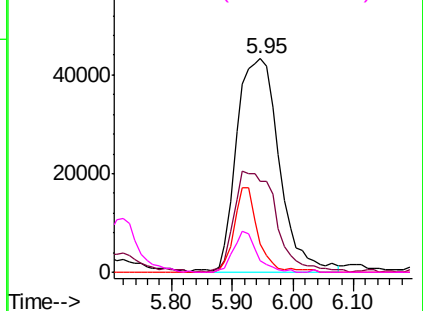
#41
Methacrylonitrile
Concen: 42.470 ug/l
RT: 5.95 min Scan# 480
Delta R.T. 0.02 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBSD01

Tot Ion: 41 Resp: 211922
Ion Ratio Lower Upper
41 100
39 42.4 37.6 56.4
67 13.1 33.0 49.6#
52 5.5 15.5 23.3#

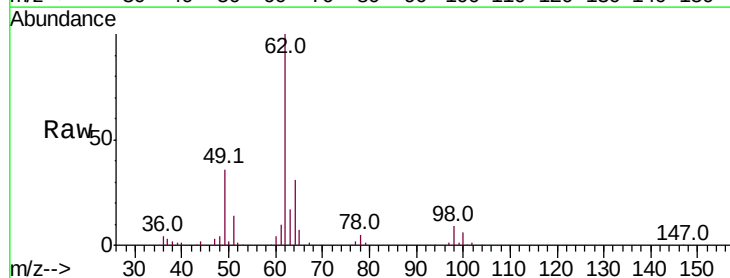


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

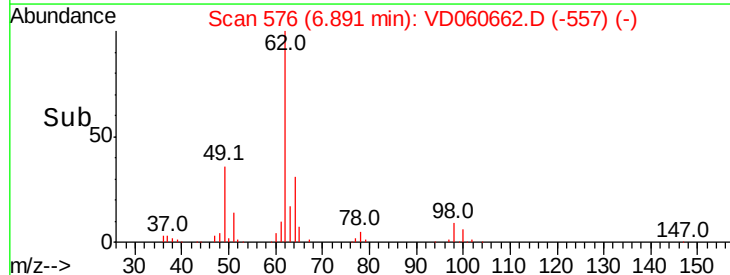
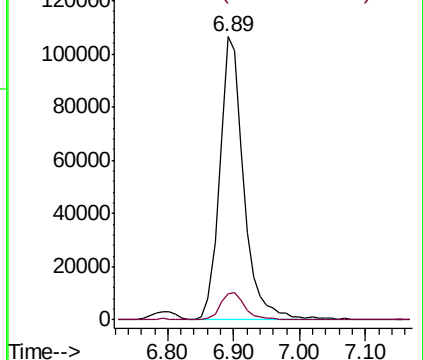


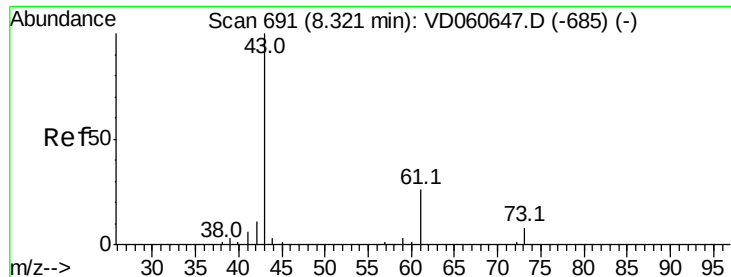
#42
1,2-Dichloroethane
Concen: 19.563 ug/l
RT: 6.89 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Tgt Ion: 62 Resp: 270482
Ion Ratio Lower Upper
62 100
98 9.1 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: 19.334 ug/l

RT: 8.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

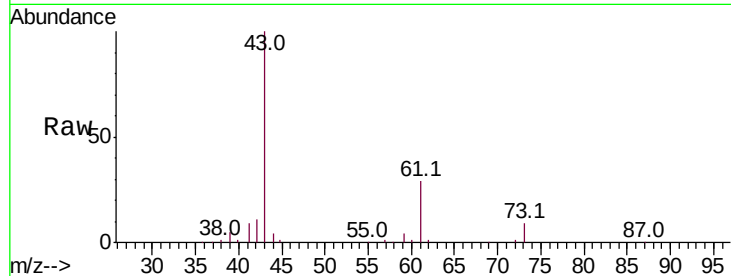
Tot Ion: 43 Resp: 223821

Ion Ratio Lower Upper

43 100

61 28.6 21.8 32.8

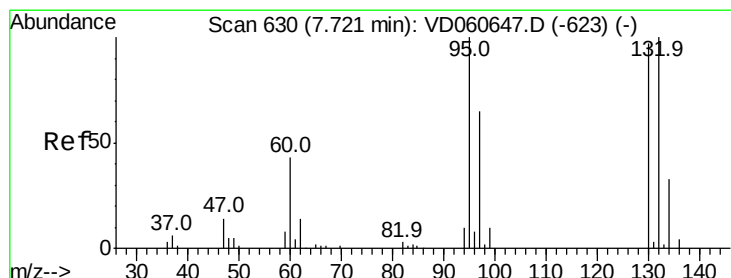
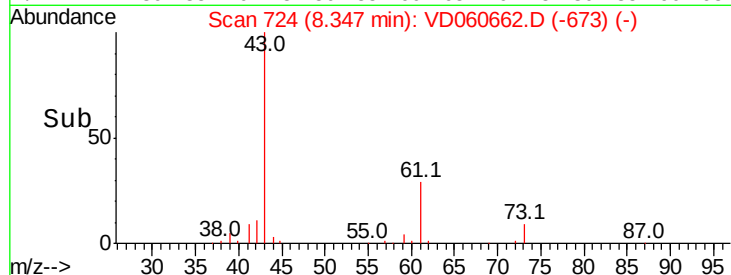
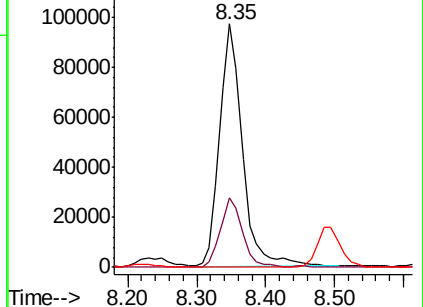
87 0.4 0.2 0.4#



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: 19.452 ug/l

RT: 7.74 min Scan# 662

Delta R.T. -0.01 min

Lab File: VD060662.D

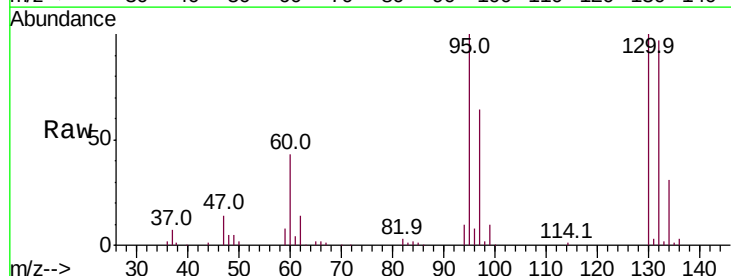
Acq: 20 Dec 2018 17:01

Tgt Ion:130 Resp: 320771

Ion Ratio Lower Upper

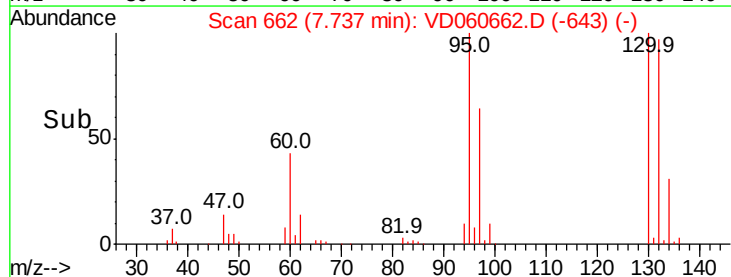
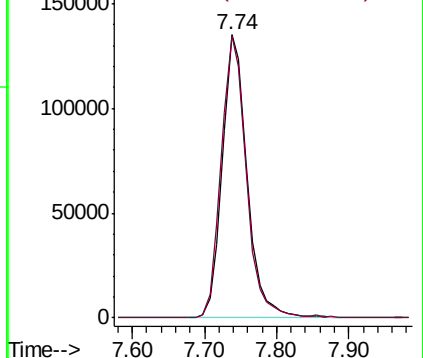
130 100

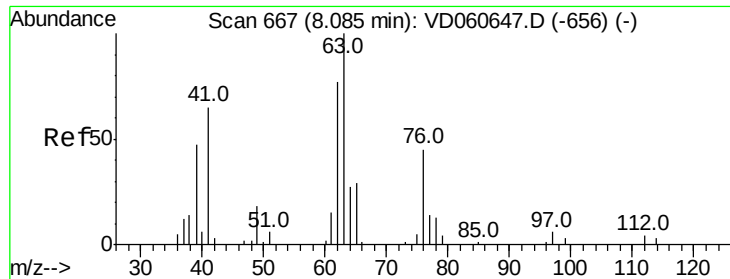
95 99.5 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.443 ug/l

RT: 8.10 min Scan# 699

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

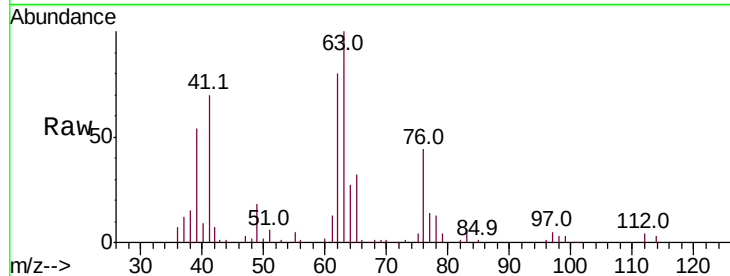
VD1220SBS01

Tot Ion: 63 Resp: 265670

Ion Ratio Lower Upper

63 100

65 31.7 25.0 37.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.10

100000

80000

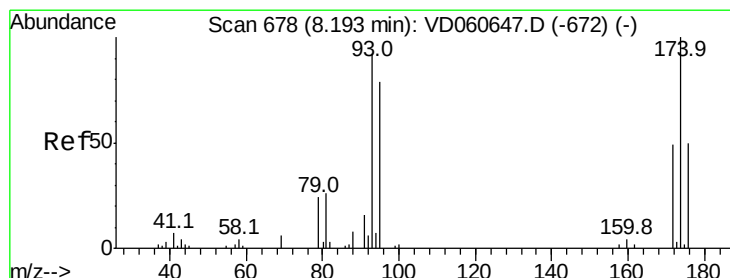
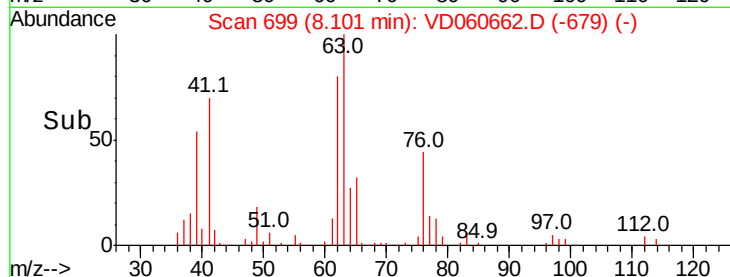
60000

40000

20000

0

Time--> 7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 19.643 ug/l

RT: 8.22 min Scan# 711

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

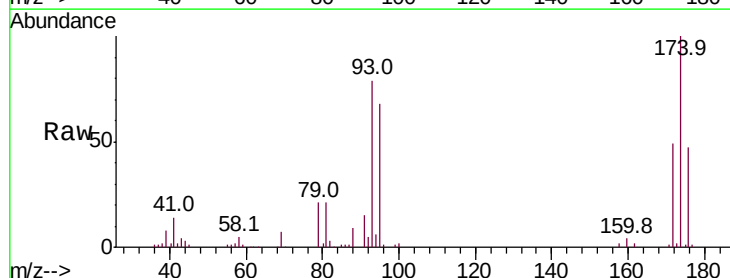
Tgt Ion: 93 Resp: 153183

Ion Ratio Lower Upper

93 100

95 85.4 68.8 103.2

174 125.8 93.0 139.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.22

100000

80000

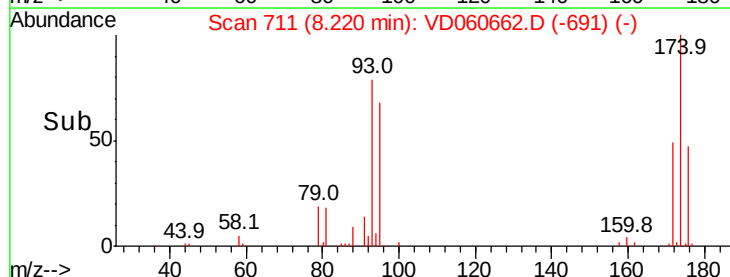
60000

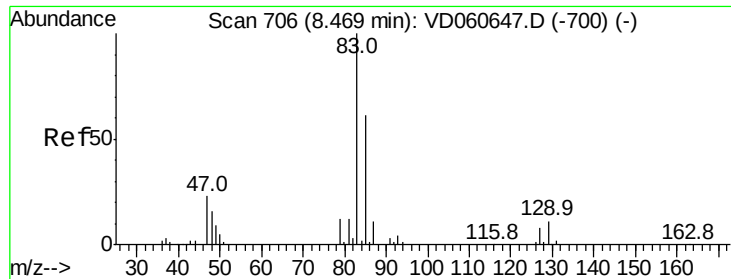
40000

20000

0

Time--> 8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 19.512 ug/l

RT: 8.50 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

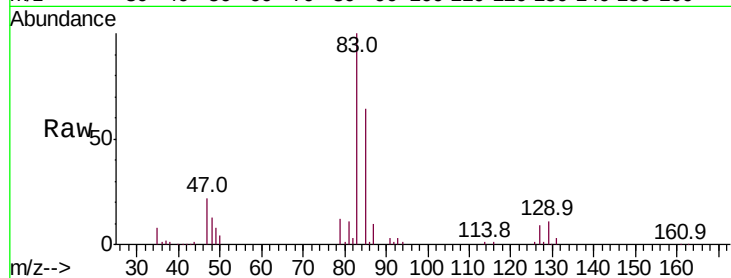
Tot Ion: 83 Resp: 360399

Ion Ratio Lower Upper

83 100

85 63.6 51.1 76.7

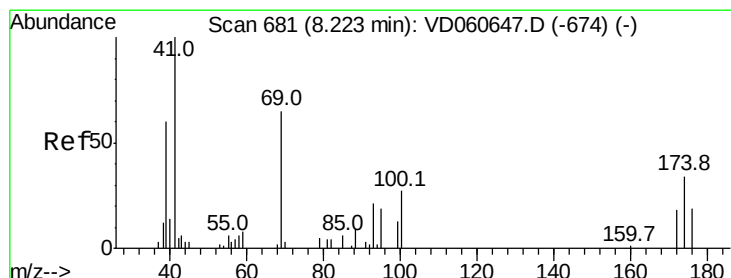
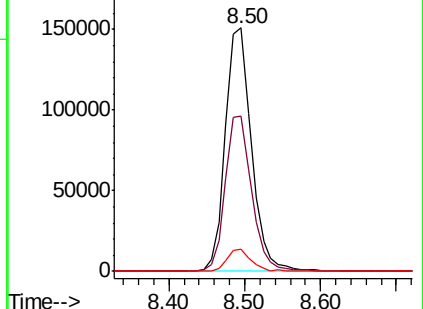
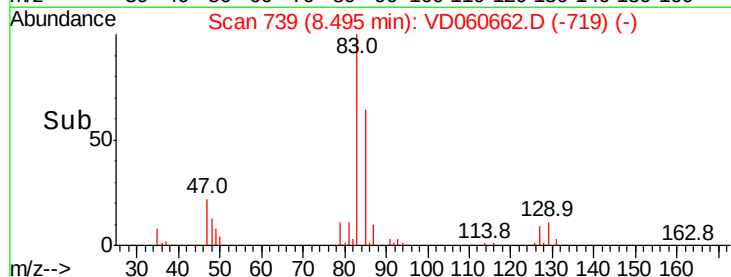
127 9.0 7.0 10.6



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: 20.724 ug/l

RT: 8.25 min Scan# 714

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

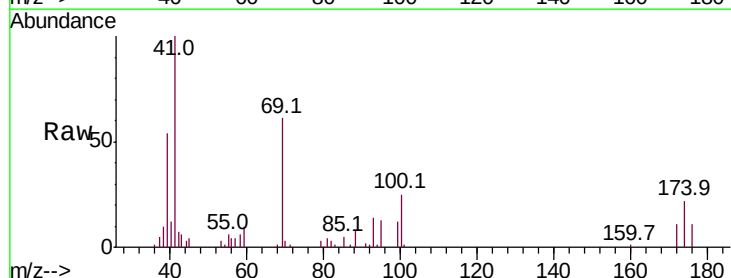
Tgt Ion: 41 Resp: 145712

Ion Ratio Lower Upper

41 100

69 60.9 51.2 76.8

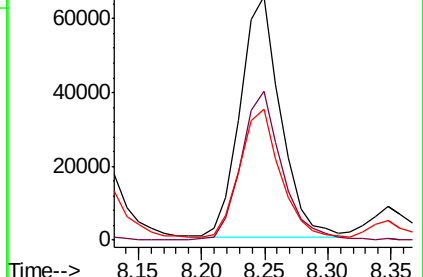
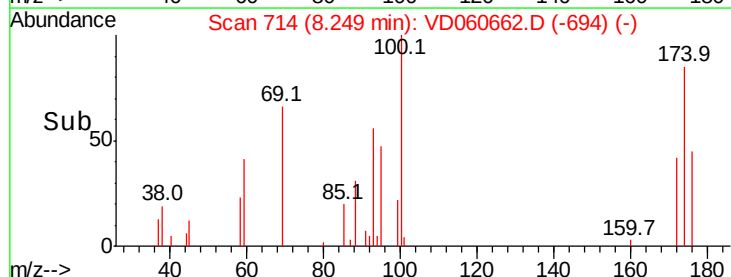
39 54.0 44.6 67.0

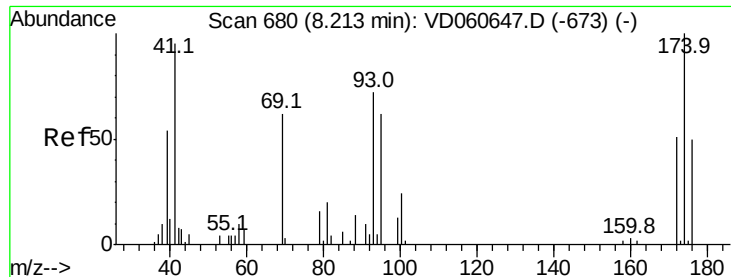


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 415.937 ug/l

RT: 8.23 min Scan# 712

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

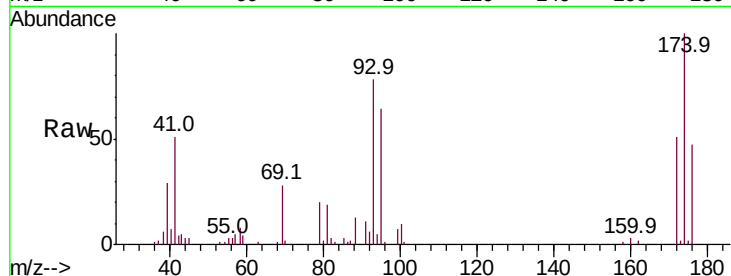
Tot Ion: 88 Resp: 27192

Ion Ratio Lower Upper

88 100

43 41.7 31.5 47.3

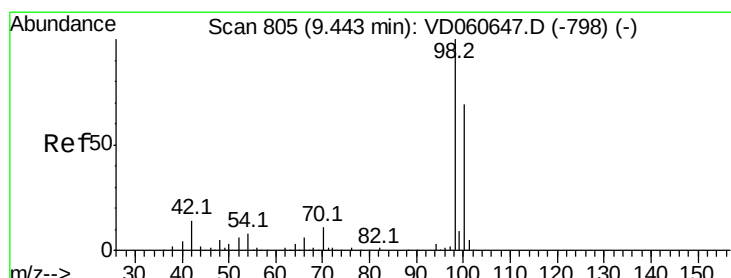
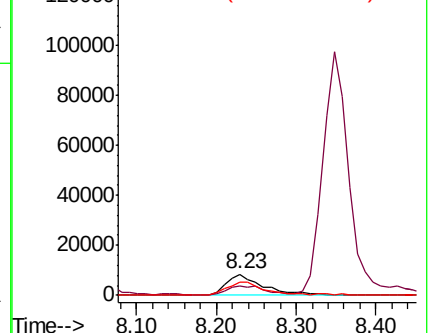
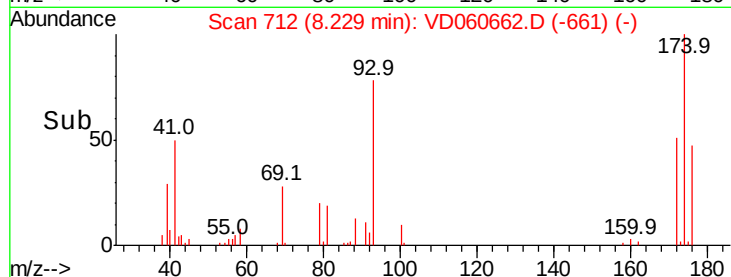
58 63.7 50.6 76.0



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: 415.937 ug/l

RT: 9.45 min Scan# 836

Delta R.T. -0.01 min

Lab File: VD060662.D

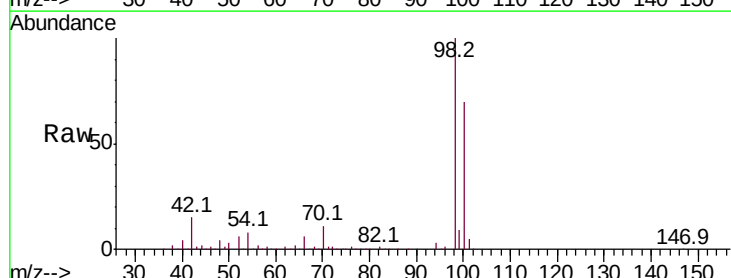
Acq: 20 Dec 2018 17:01

Tgt Ion: 98 Resp: 2378476

Ion Ratio Lower Upper

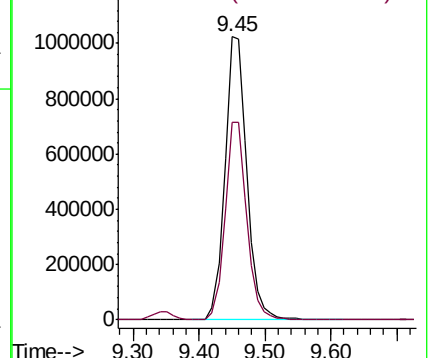
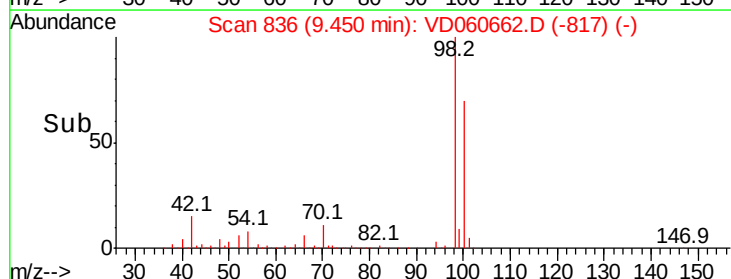
98 100

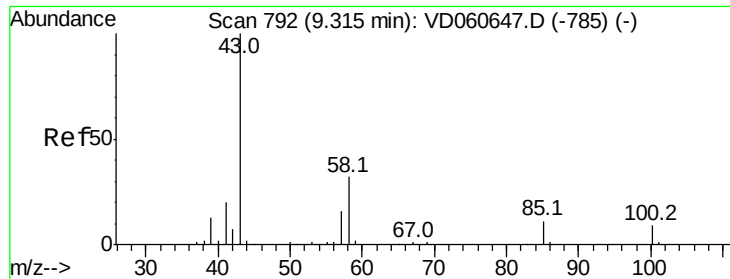
100 69.8 55.8 83.8



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: 100.072 ug/l

RT: 9.34 min Scan# 825

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

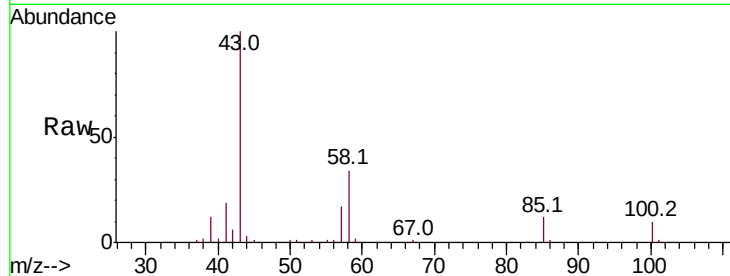
VD1220SBS01

Tot Ion: 43 Resp: 709775

Ion Ratio Lower Upper

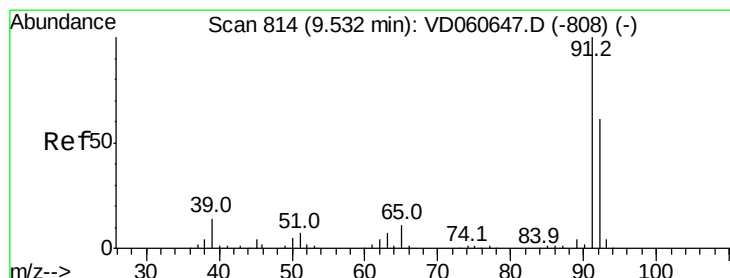
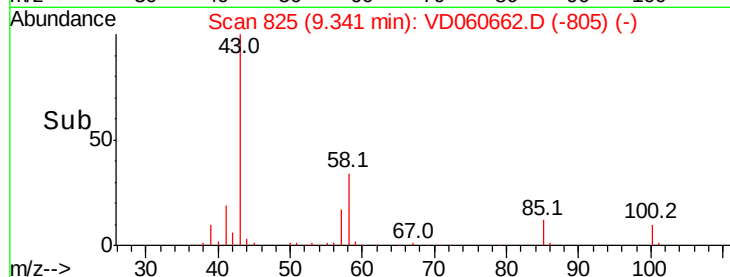
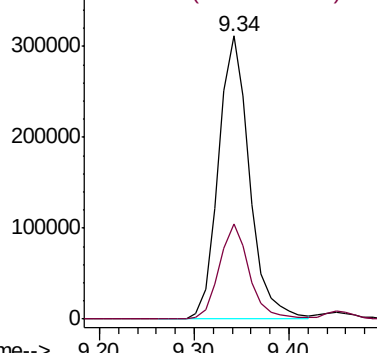
43 100

58 33.5 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: 19.411 ug/l

RT: 9.55 min Scan# 846

Delta R.T. 0.00 min

Lab File: VD060662.D

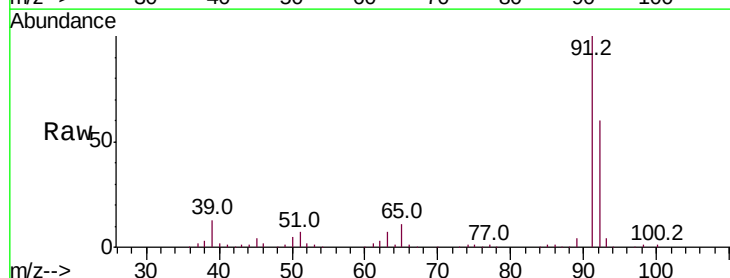
Acq: 20 Dec 2018 17:01

Tgt Ion: 92 Resp: 677979

Ion Ratio Lower Upper

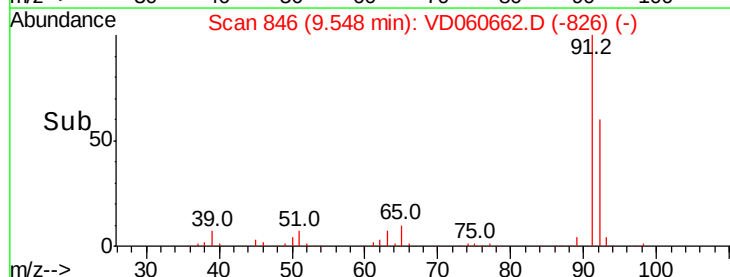
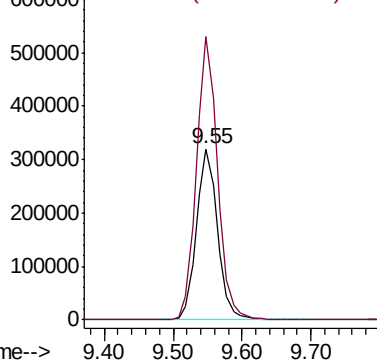
92 100

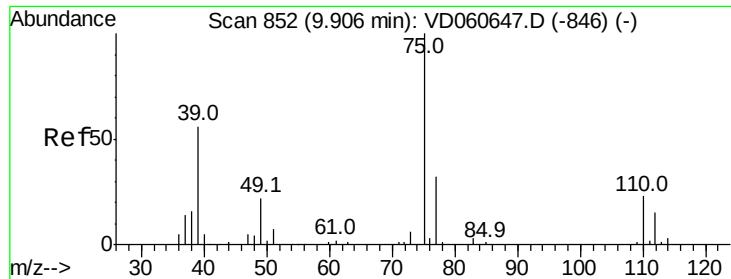
91 165.7 132.6 199.0



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: 19.000 ug/l

RT: 9.92 min Scan# 884

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

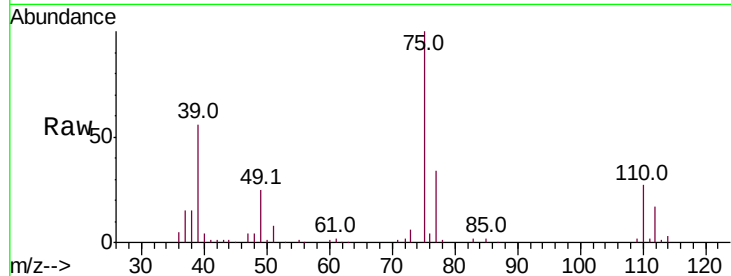
VD1220SBS01

Tot Ion: 75 Resp: 292784

Ion Ratio Lower Upper

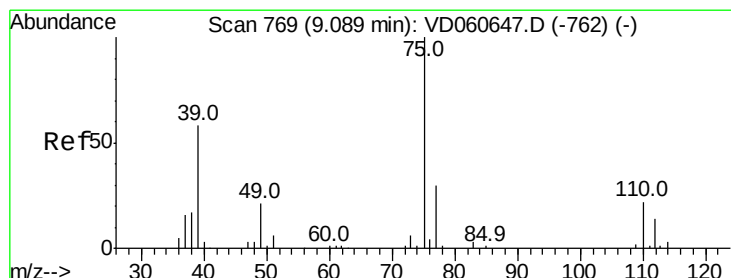
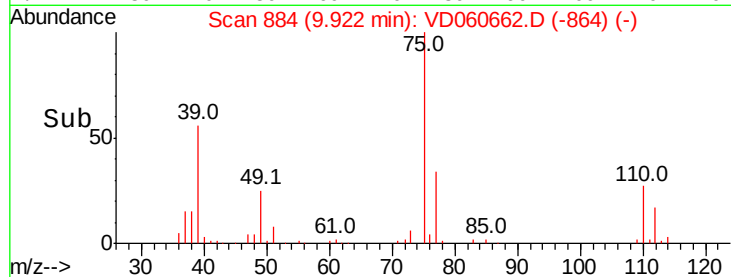
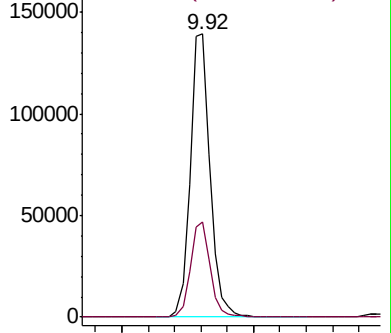
75 100

77 33.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.261 ug/l

RT: 9.11 min Scan# 801

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

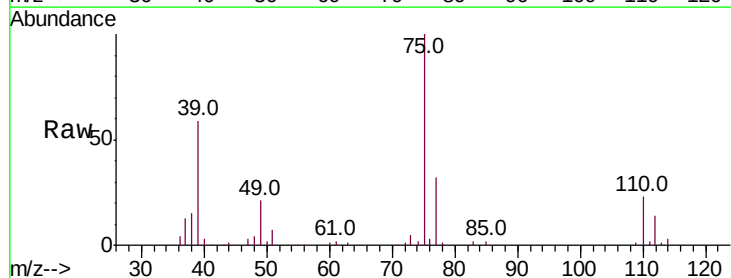
Tgt Ion: 75 Resp: 388484

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2

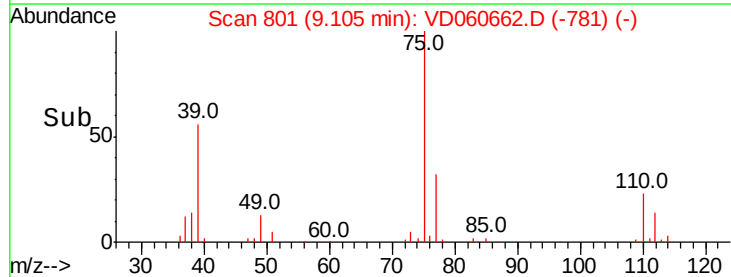
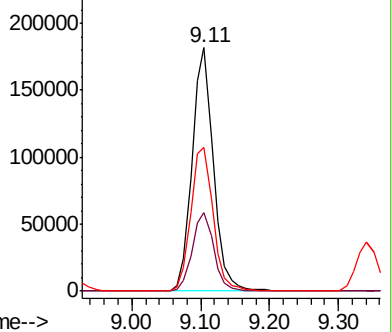
39 58.8 47.0 70.4

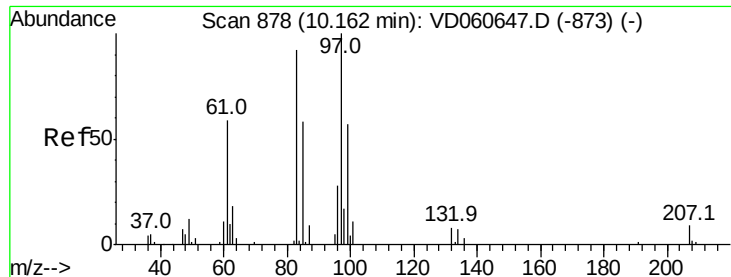


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

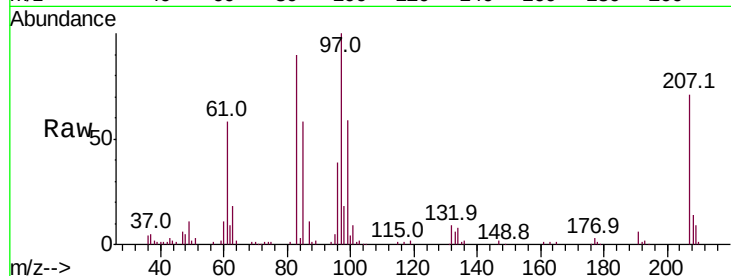




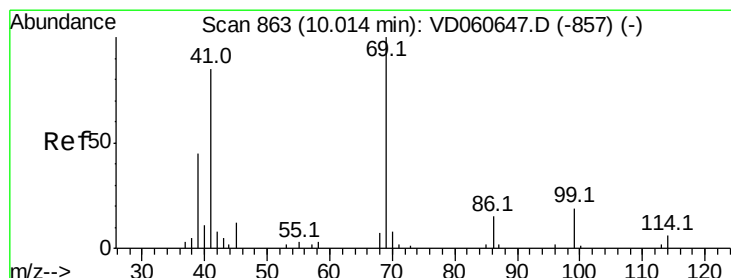
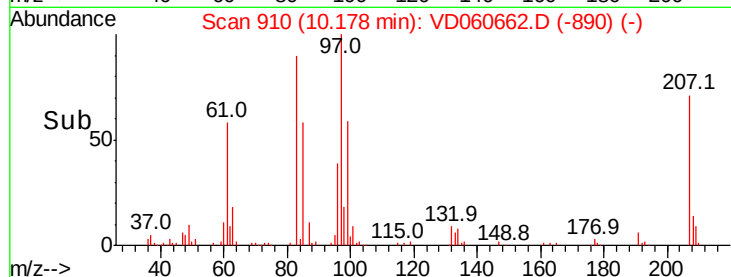
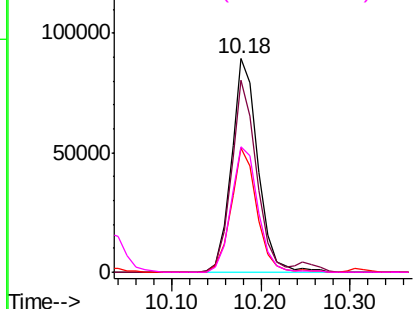
#55
 1,1,2-Trichloroethane
 Concen: 19.711 ug/l
 RT: 10.18 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VD060662.D
 Acq: 20 Dec 2018 17:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Tot Ion:	97	Resp:	185239
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.0	105.0
85	58.0	46.6	70.0
99	58.7	49.6	74.4

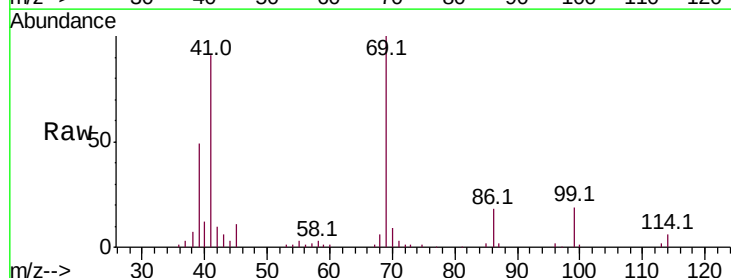


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

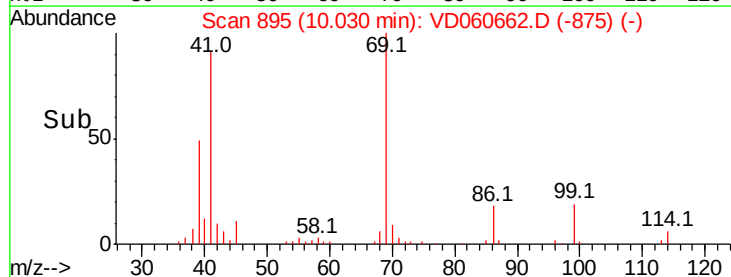
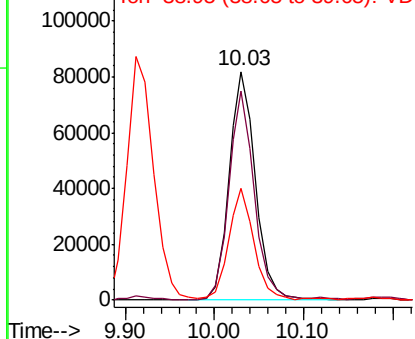


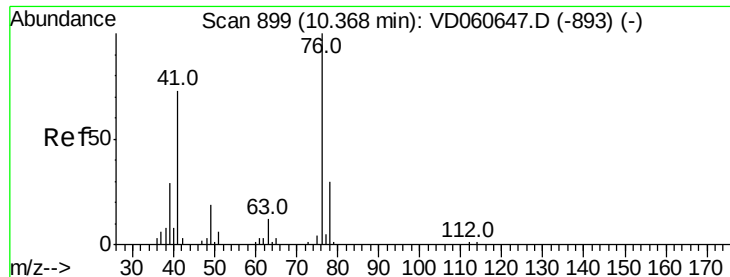
#56
 Ethyl methacrylate
 Concen: 19.398 ug/l
 RT: 10.03 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VD060662.D
 Acq: 20 Dec 2018 17:01

Tgt Ion:	69	Resp:	169325
Ion	Ratio	Lower	Upper
69	100		
41	91.3	68.3	102.5
39	49.0	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: 19.454 ug/l

RT: 10.38 min Scan# 931

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

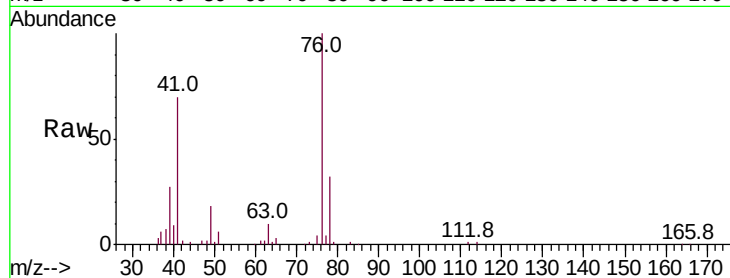
VD1220SBS01

Tot Ion: 76 Resp: 289777

Ion Ratio Lower Upper

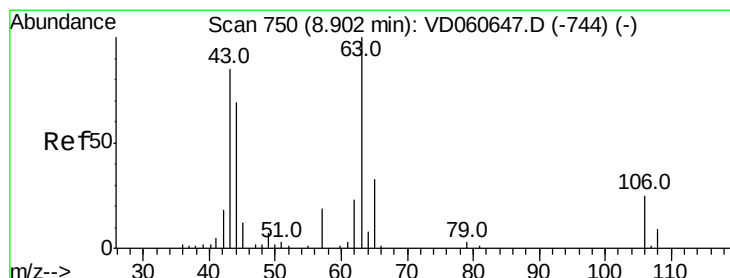
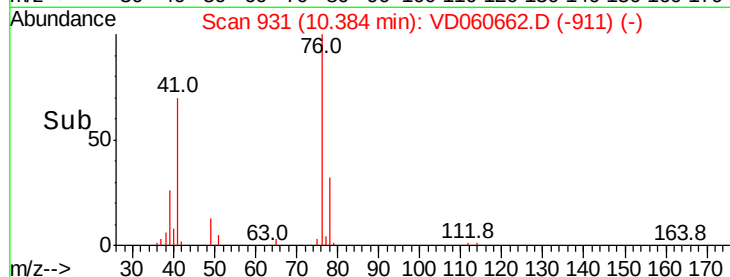
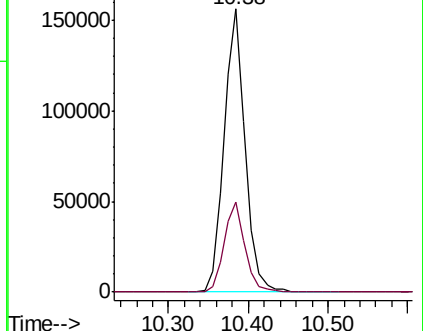
76 100

78 32.0 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 108.481 ug/l

RT: 8.92 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD060662.D

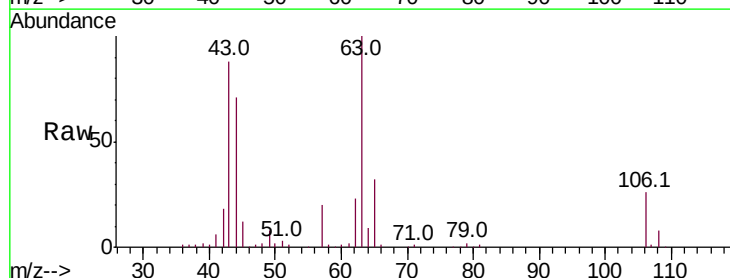
Acq: 20 Dec 2018 17:01

Tgt Ion: 63 Resp: 557947

Ion Ratio Lower Upper

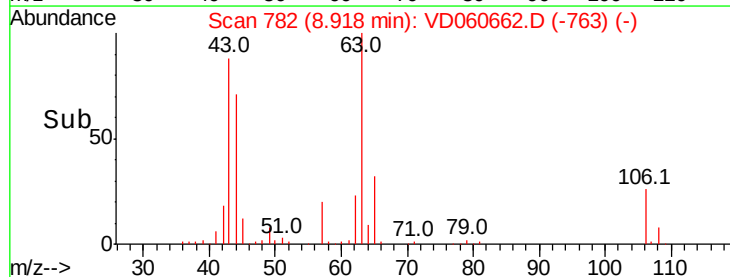
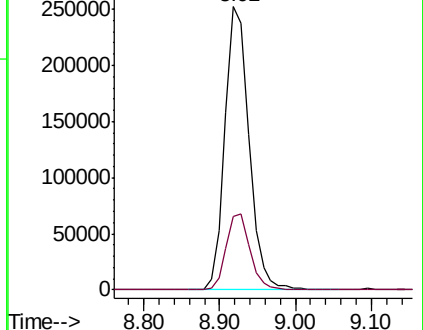
63 100

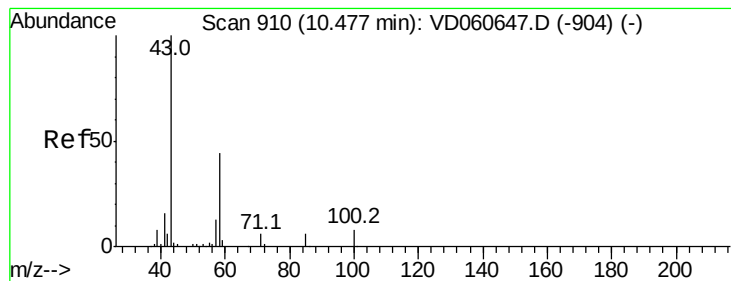
106 26.1 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 101.679 ug/l

RT: 10.48 min Scan# 941

Delta R.T. -0.01 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

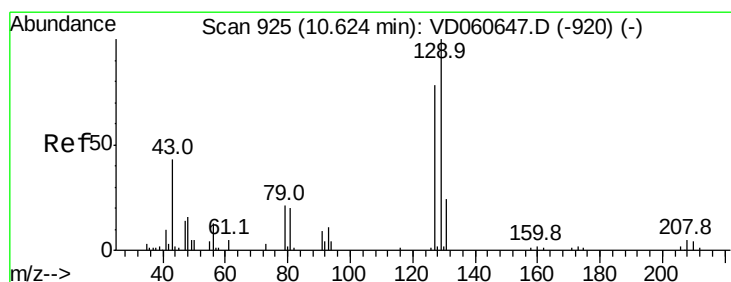
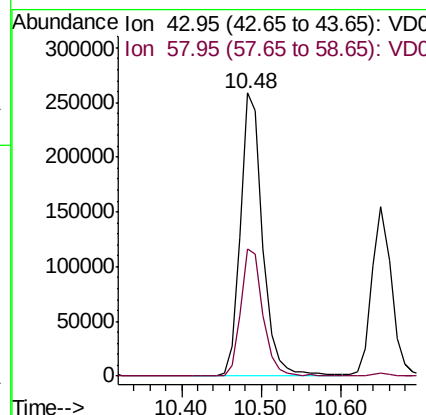
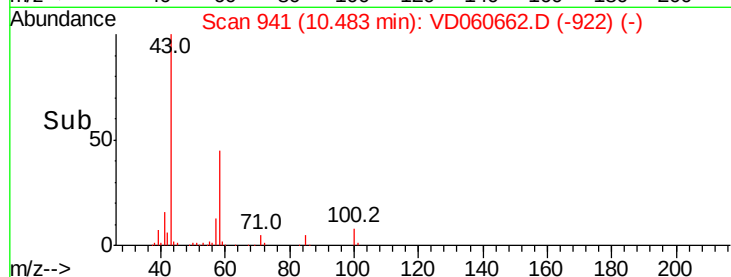
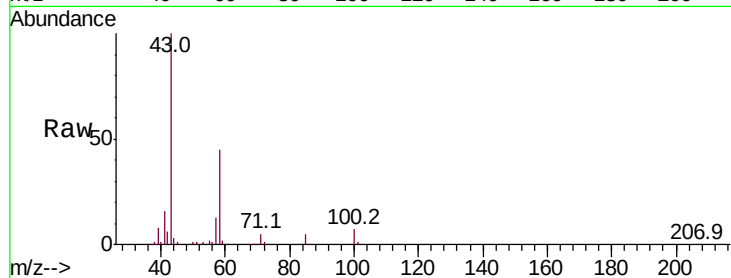
VD1220SBSD01

Tot Ion: 43 Resp: 504793

Ion Ratio Lower Upper

43 100

58 45.0 23.5 70.5



#60

Dibromochloromethane

Concen: 19.680 ug/l

RT: 10.64 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD060662.D

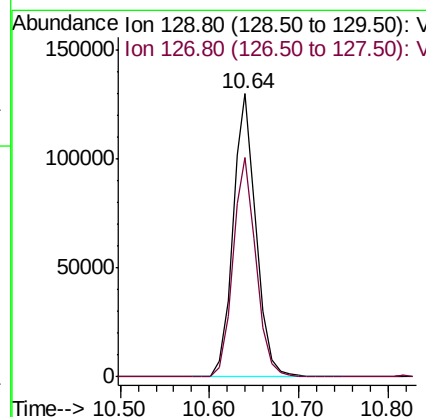
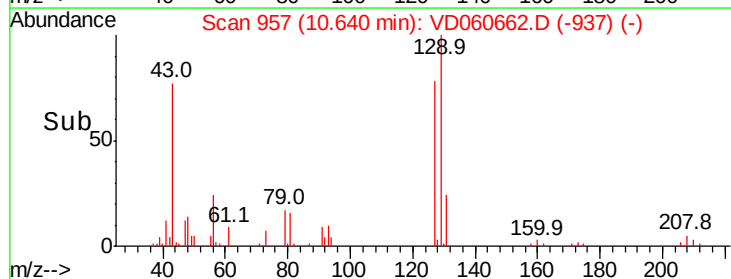
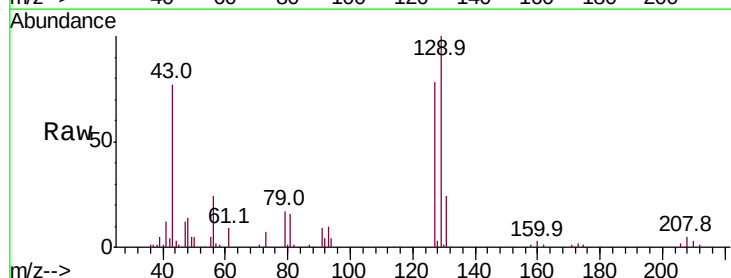
Acq: 20 Dec 2018 17:01

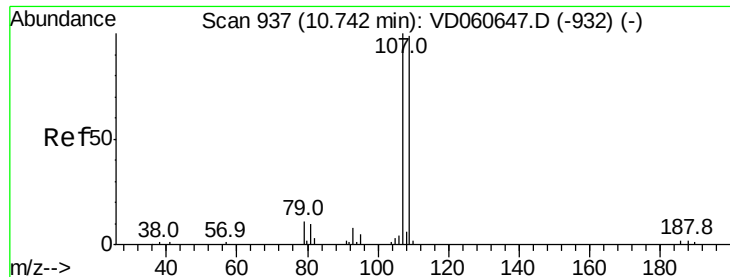
Tgt Ion: 129 Resp: 235580

Ion Ratio Lower Upper

129 100

127 77.6 37.6 112.9





#61

1,2-Dibromoethane

Concen: 19.505 ug/l

RT: 10.76 min Scan# 969

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

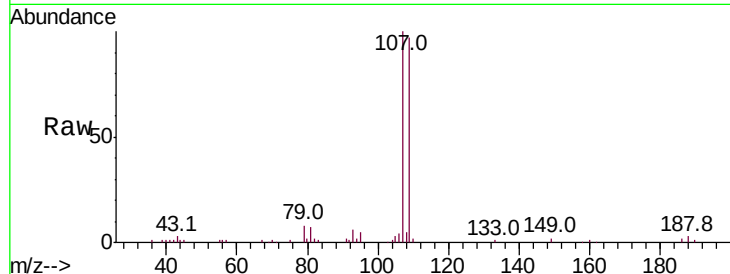
VD1220SBS01

Tot Ion:107 Resp: 190129

Ion Ratio Lower Upper

107 100

109 97.1 78.0 117.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.76

120000

100000

80000

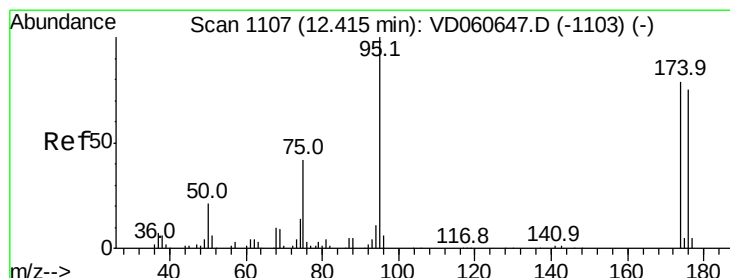
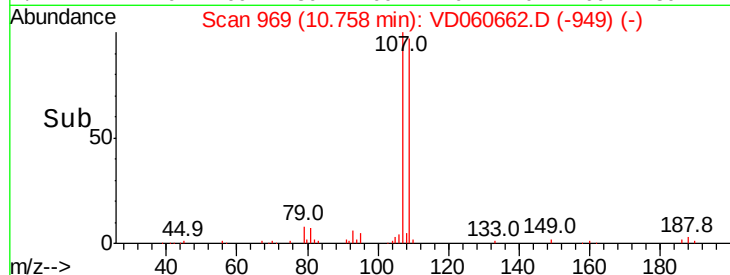
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 19.505 ug/l

RT: 12.42 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

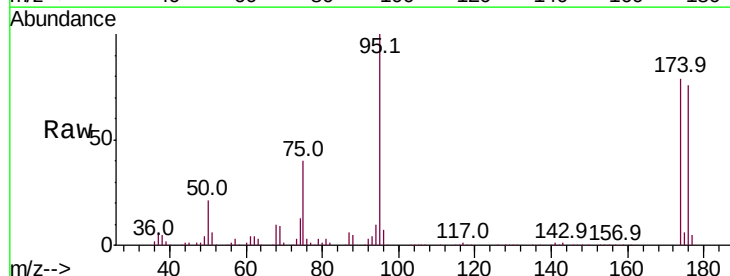
Tgt Ion: 95 Resp: 843178

Ion Ratio Lower Upper

95 100

174 78.9 0.0 158.2

176 75.7 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

800000

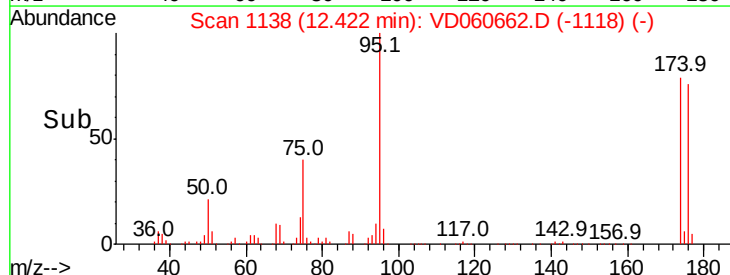
600000

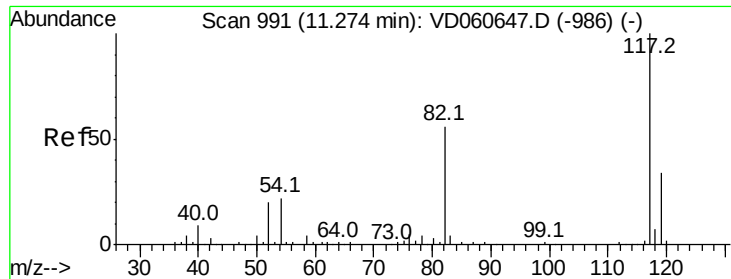
400000

200000

0

Time-->

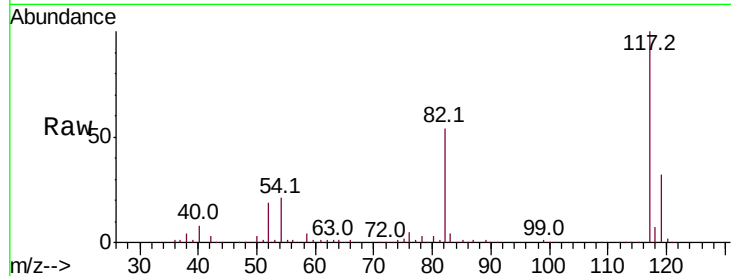




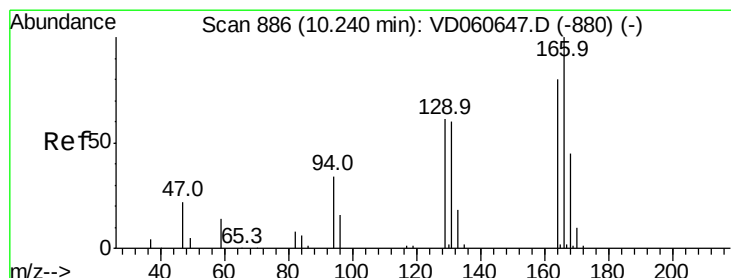
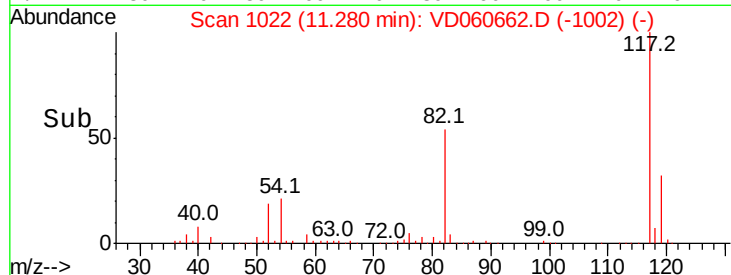
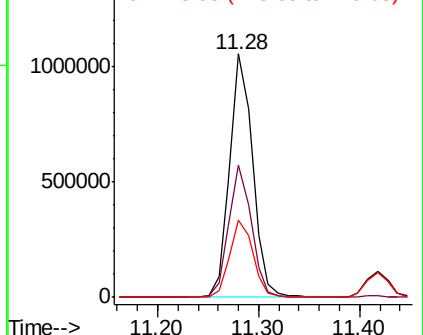
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tot Ion:117 Resp: 1667545
Ion Ratio Lower Upper
117 100
82 54.2 44.5 66.7
119 31.9 26.3 39.5



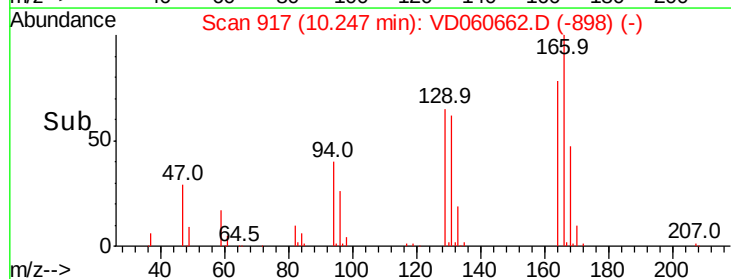
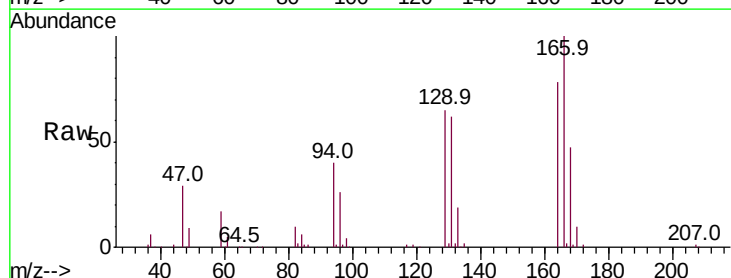
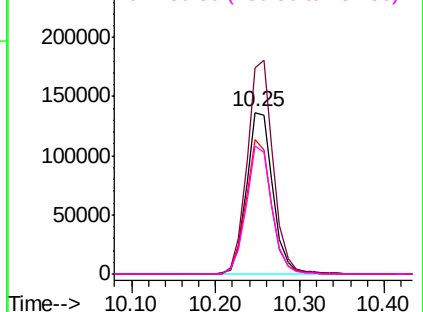
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

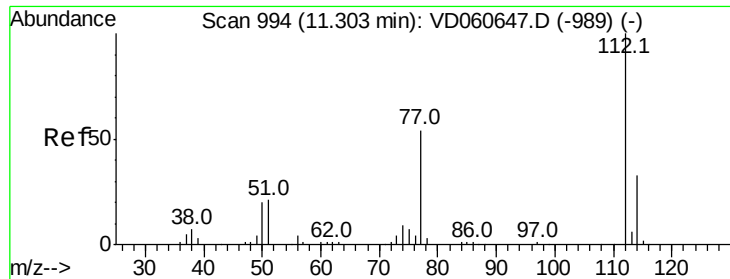


#64
Tetrachloroethene
Concen: 19.620 ug/l
RT: 10.25 min Scan# 917
Delta R.T. -0.01 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Tgt Ion:164 Resp: 296541
Ion Ratio Lower Upper
164 100
166 127.7 104.4 156.6
129 82.8 62.7 94.1
131 78.7 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

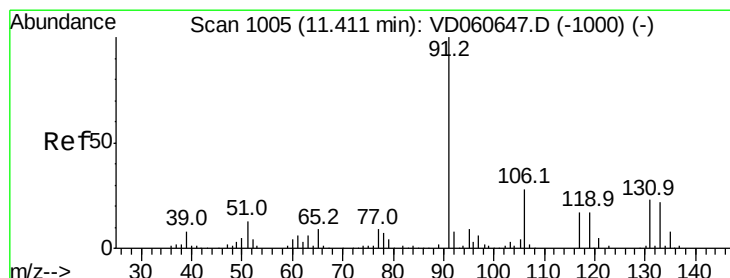
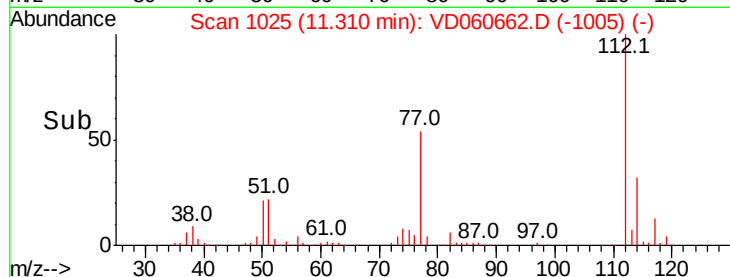
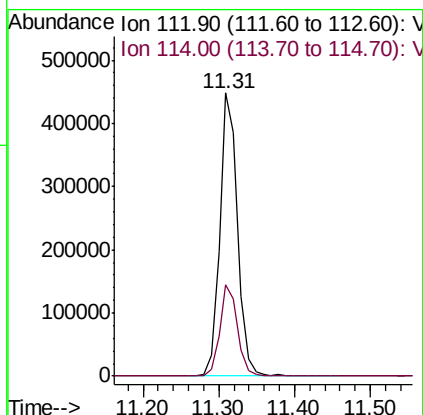
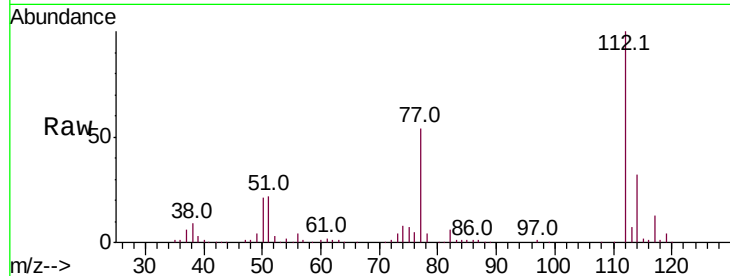




#65
Chlorobenzene
Concen: 19.851 ug/l
RT: 11.31 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

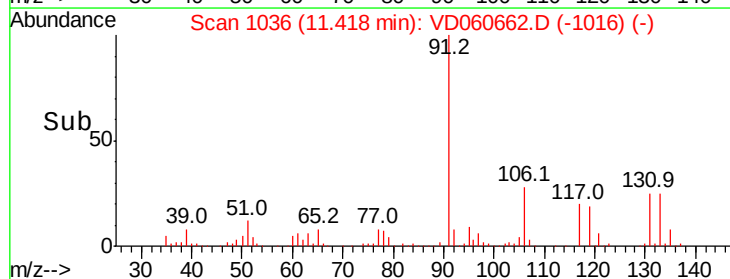
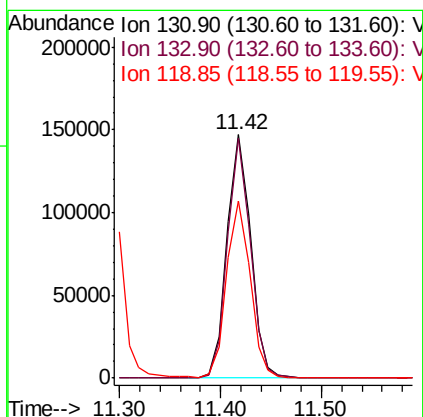
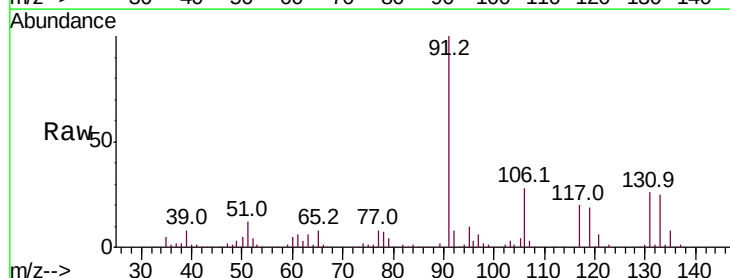
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBSD01

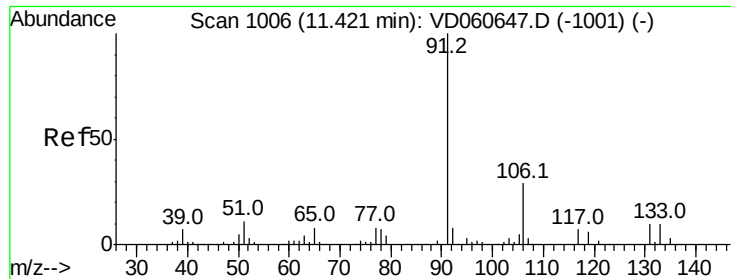
Tot Ion:112 Resp: 731366
Ion Ratio Lower Upper
112 100
114 32.2 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.292 ug/l
RT: 11.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Tgt Ion:131 Resp: 240378
Ion Ratio Lower Upper
131 100
133 98.4 49.1 147.3
119 72.8 36.6 109.8

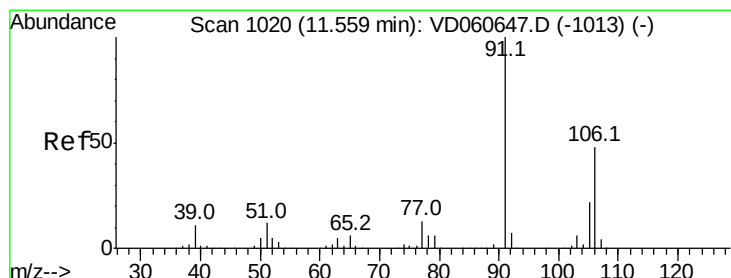
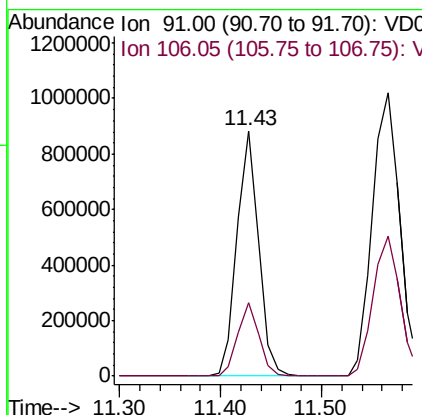
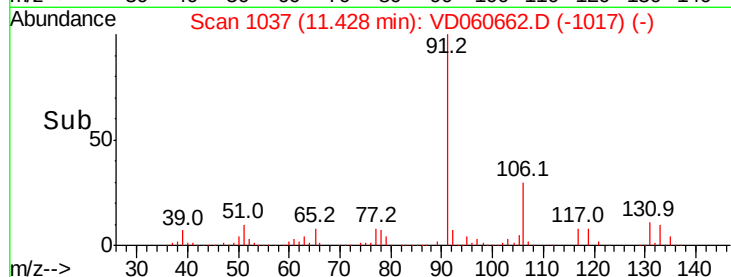
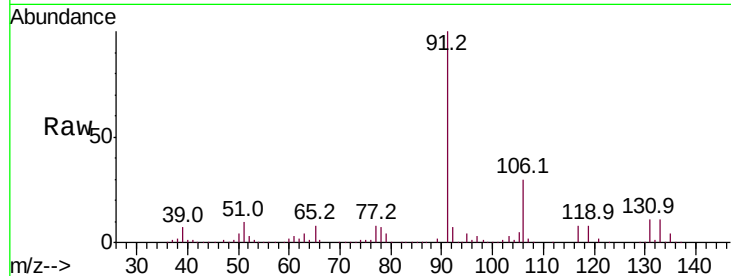




#67
Ethyl Benzene
Concen: 20.833 ug/l
RT: 11.43 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

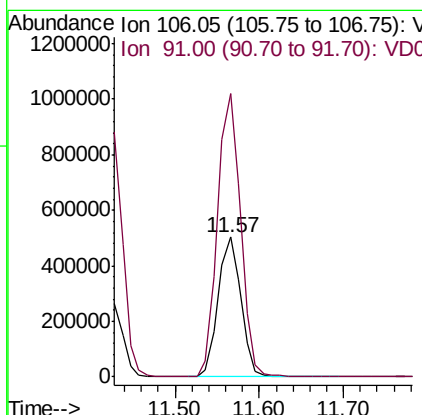
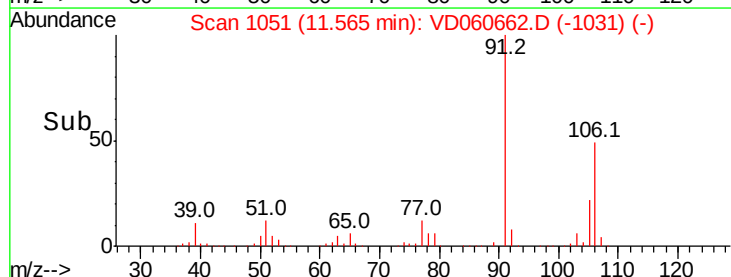
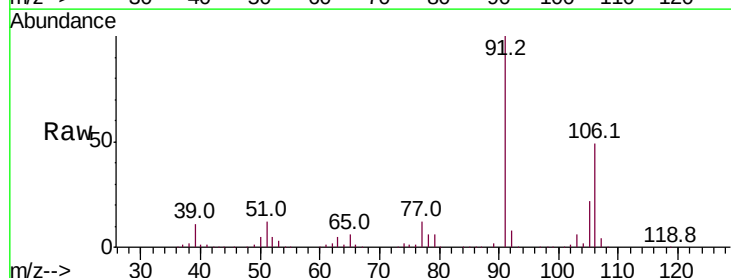
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

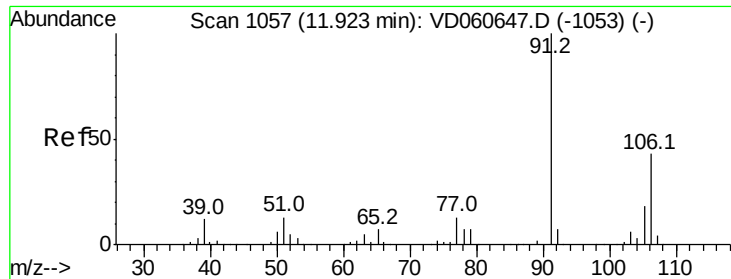
Tot Ion: 91 Resp: 1314501
Ion Ratio Lower Upper
91 100
106 30.0 24.6 36.8



#68
m/p-Xylenes
Concen: 41.097 ug/l
RT: 11.57 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Tgt Ion: 106 Resp: 947645
Ion Ratio Lower Upper
106 100
91 202.5 158.9 238.3

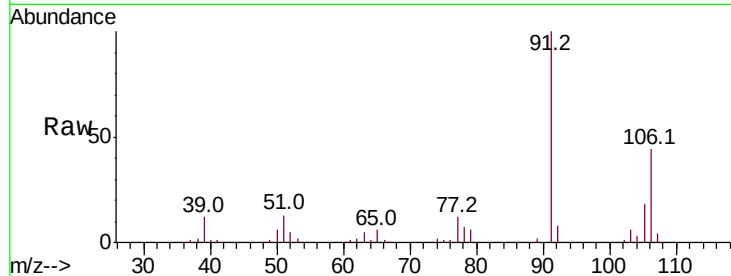




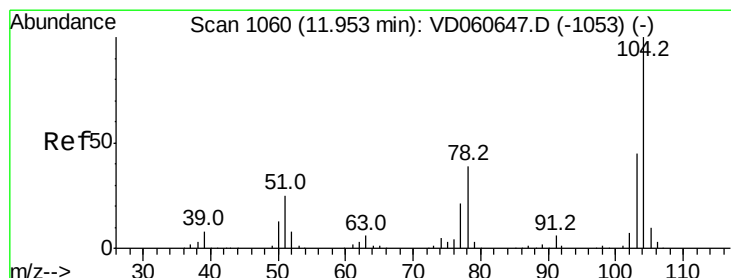
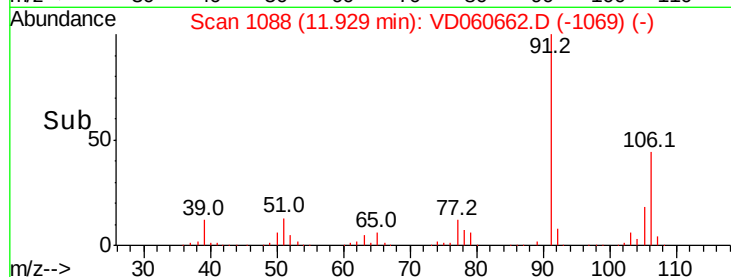
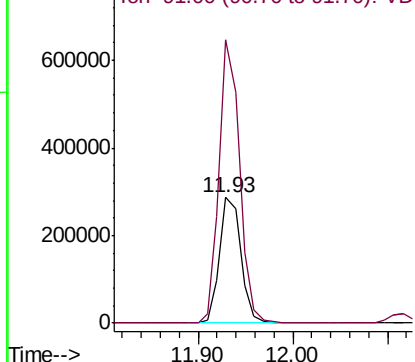
#69
o-Xylene
Concen: 20.725 ug/l
RT: 11.93 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tot Ion:106 Resp: 453382
Ion Ratio Lower Upper
106 100
91 225.0 101.5 304.5

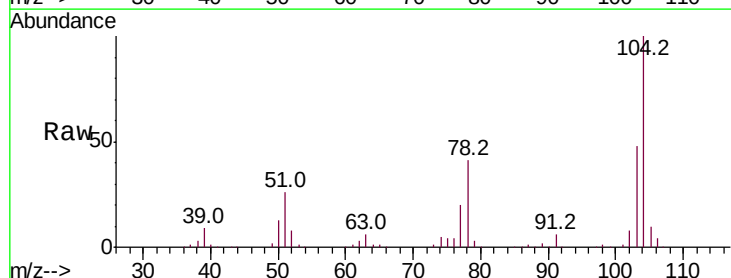


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

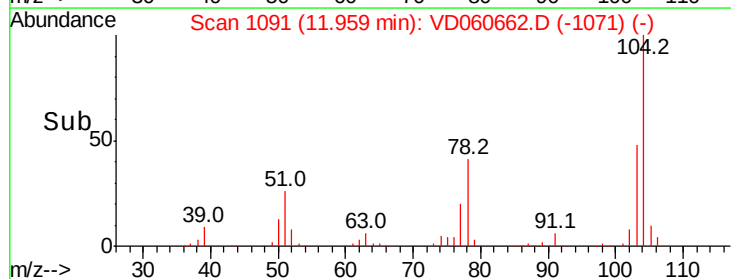
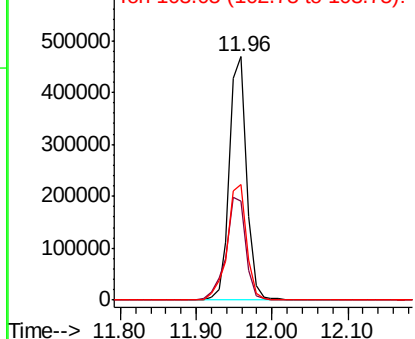


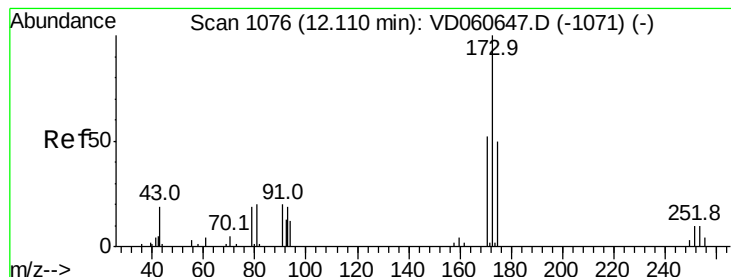
#70
Styrene
Concen: 20.790 ug/l
RT: 11.96 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Tgt Ion:104 Resp: 732489
Ion Ratio Lower Upper
104 100
78 40.5 31.4 47.2
103 47.6 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: 19.375 ug/l

RT: 12.12 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBSD01

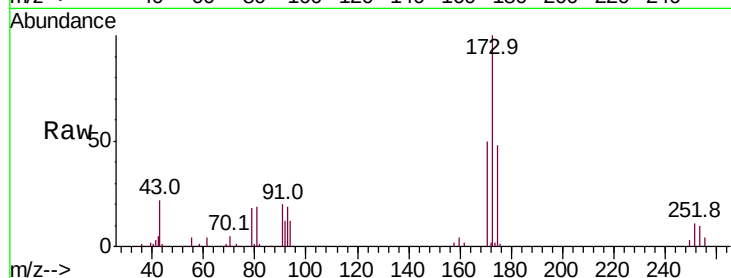
Tot Ion:173 Resp: 151504

Ion Ratio Lower Upper

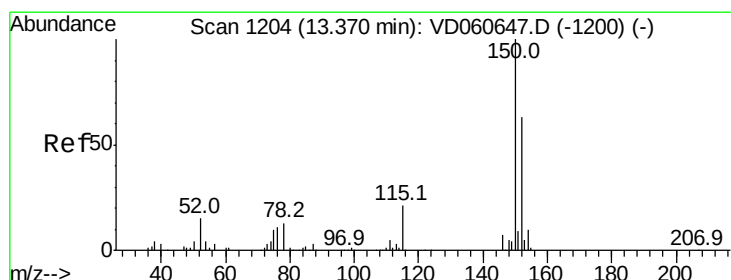
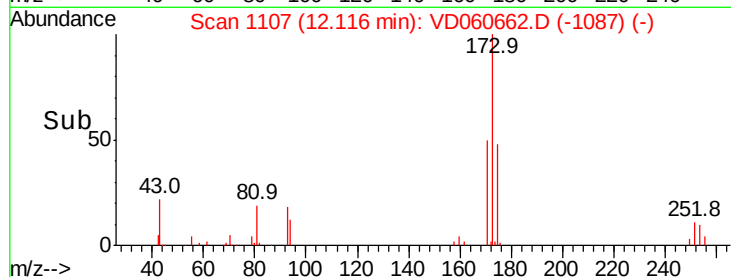
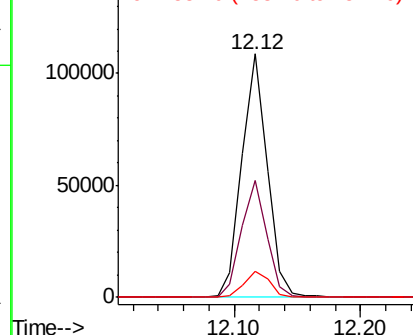
173 100

175 48.0 25.5 76.5

254 10.4 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: 13.38 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

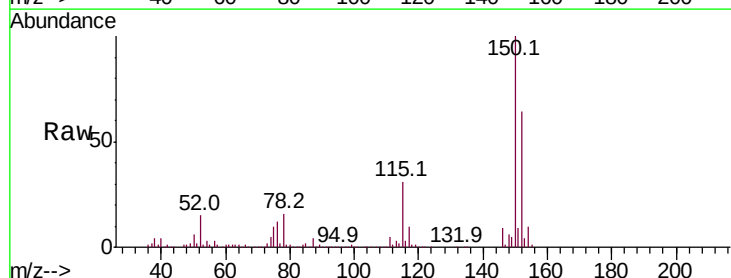
Tgt Ion:152 Resp: 874381

Ion Ratio Lower Upper

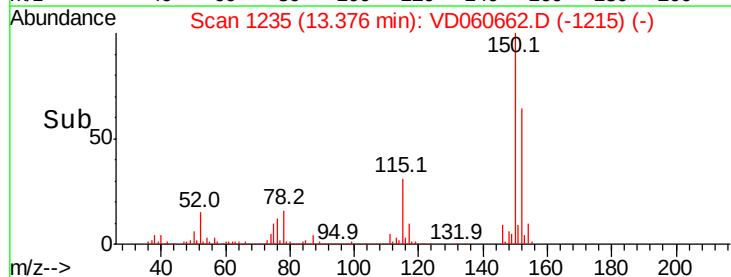
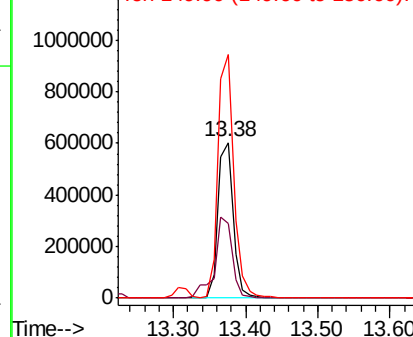
152 100

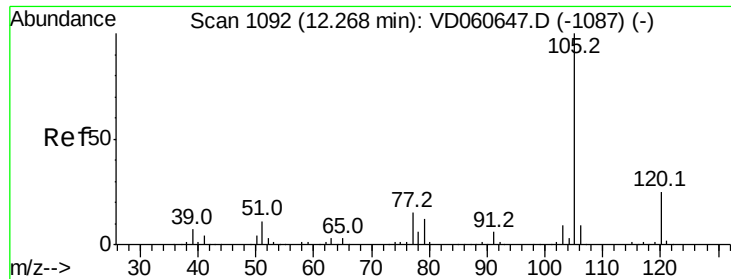
115 47.9 24.1 72.3

150 156.7 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

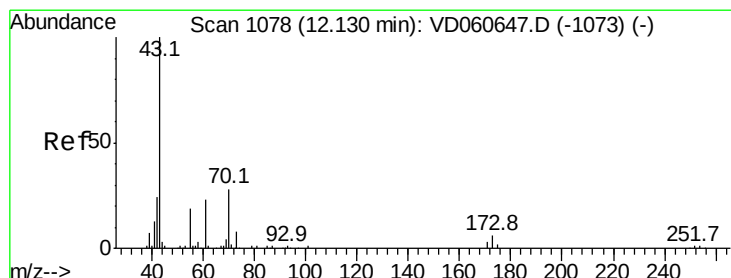
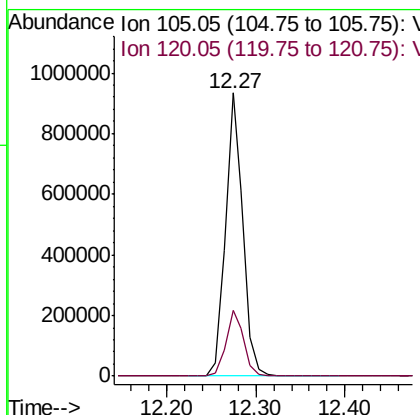
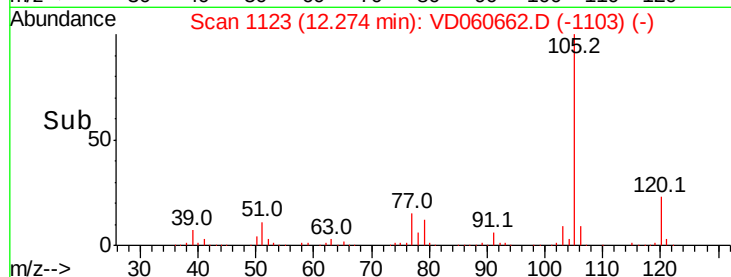
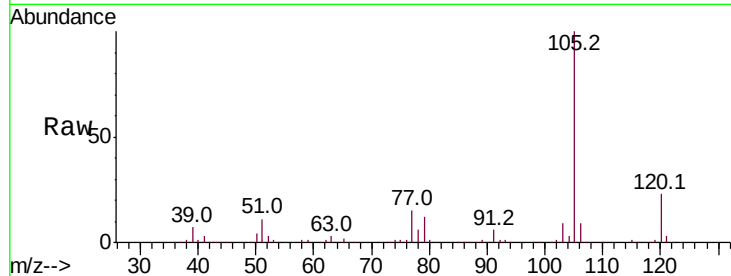




#73
Isopropylbenzene
Concen: 20.654 ug/l
RT: 12.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

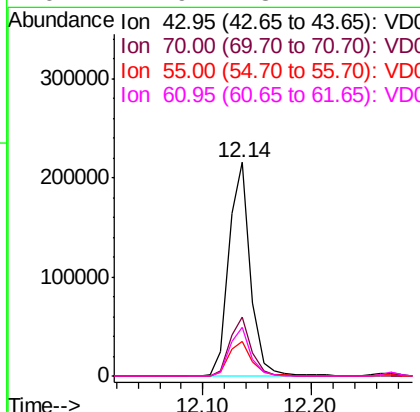
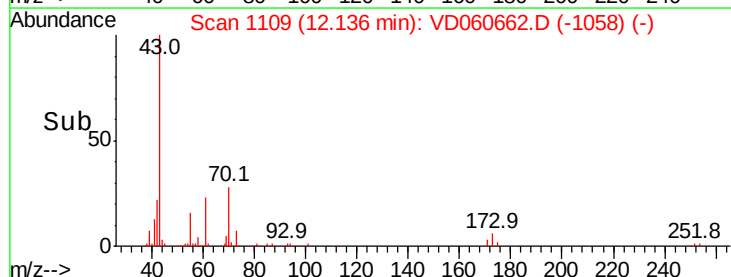
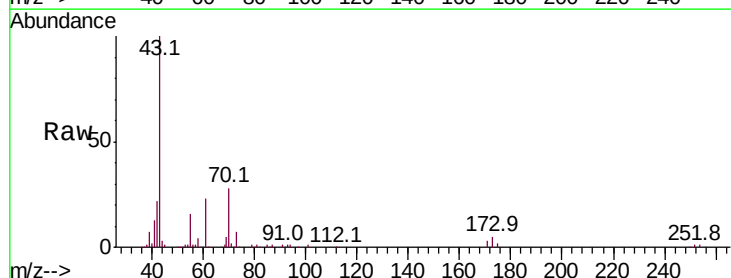
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBSD01

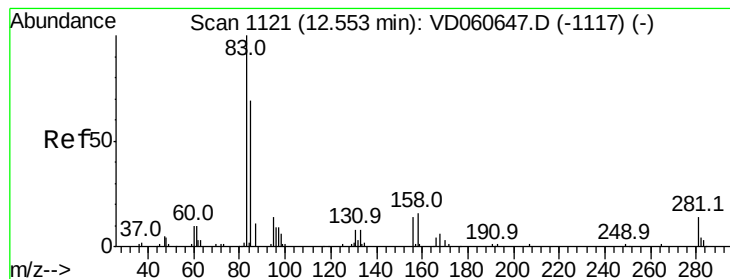
Tot Ion:105 Resp: 1285816
Ion Ratio Lower Upper
105 100
120 23.4 12.2 36.4



#74
N-ethyl acetate
Concen: 20.257 ug/l
RT: 12.14 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Tgt Ion: 43 Resp: 297635
Ion Ratio Lower Upper
43 100
70 27.6 22.2 33.2
55 16.1 13.8 20.8
61 22.9 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.089 ug/l

RT: 12.56 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBSD01

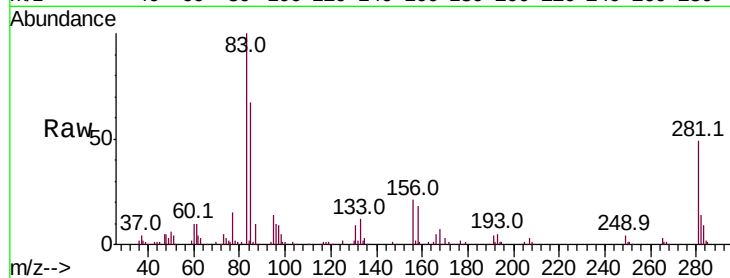
Tot Ion: 83 Resp: 202714

Ion Ratio Lower Upper

83 100

131 8.7 4.2 12.4

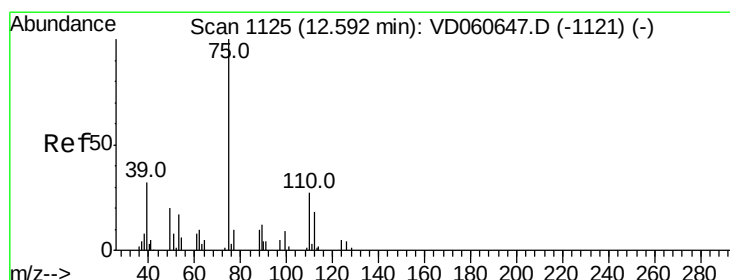
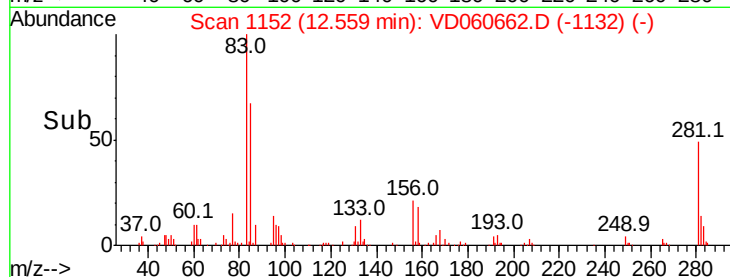
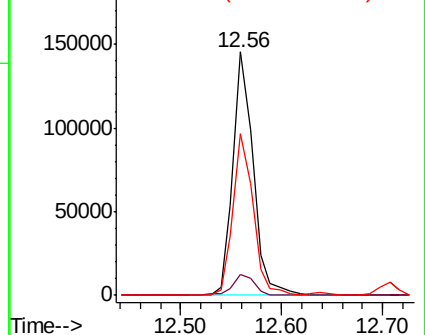
85 66.5 32.6 97.7



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: 19.558 ug/l

RT: 12.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD060662.D

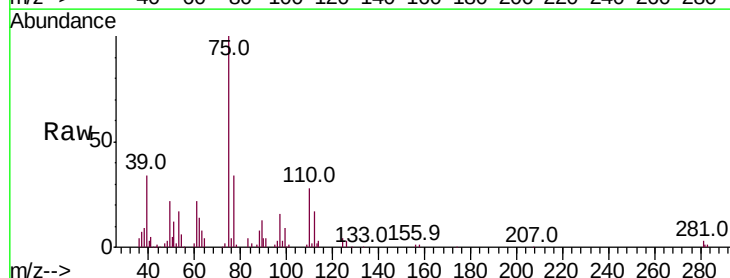
Acq: 20 Dec 2018 17:01

Tgt Ion: 75 Resp: 194695

Ion Ratio Lower Upper

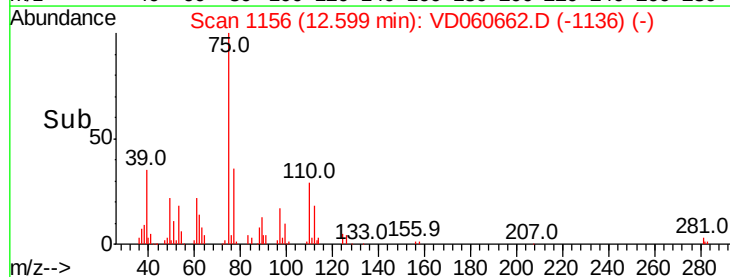
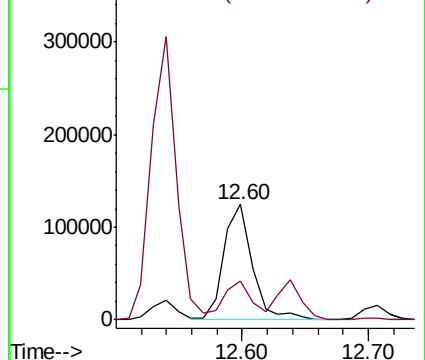
75 100

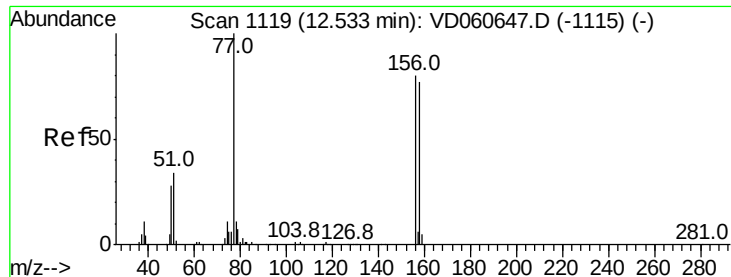
77 34.1 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

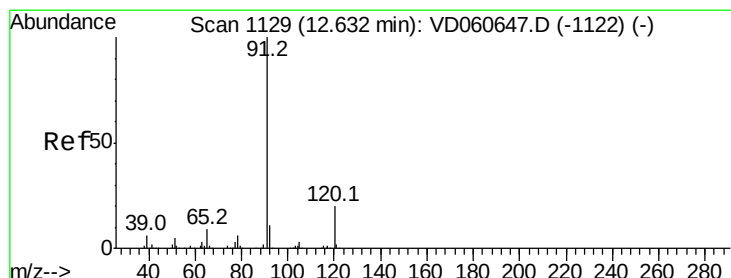
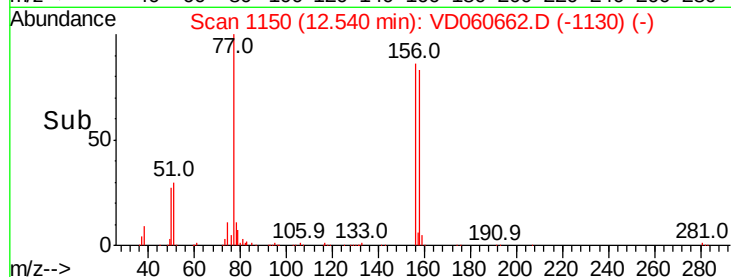
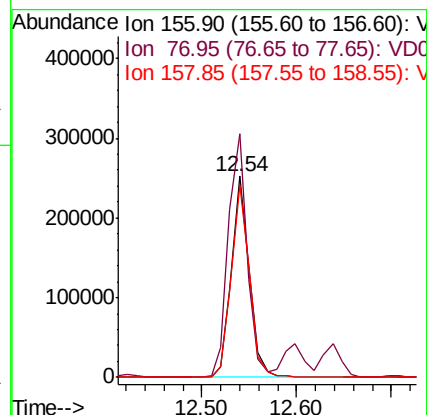
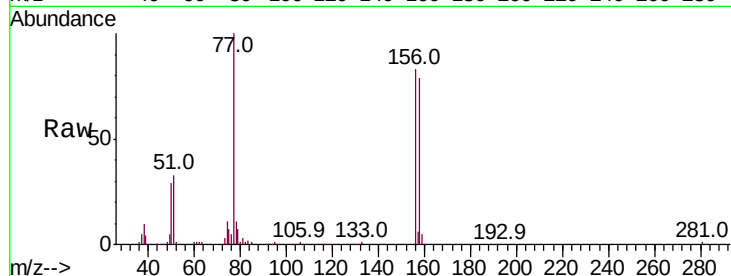




#77
Bromobenzene
Concen: 20.054 ug/l
RT: 12.54 min Scan# 1150
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

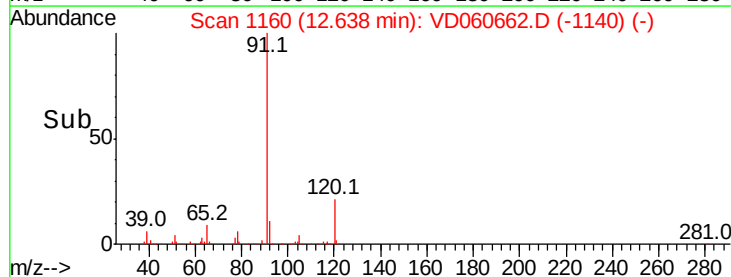
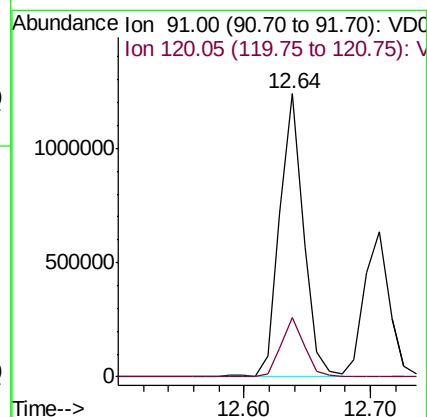
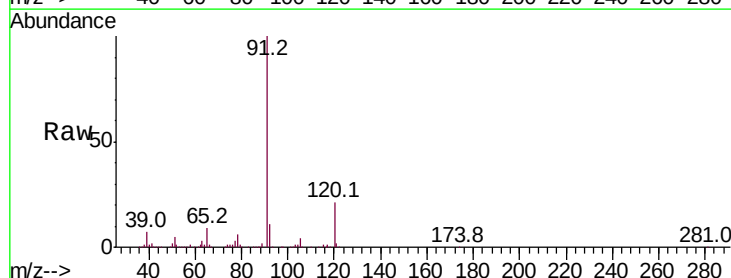
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

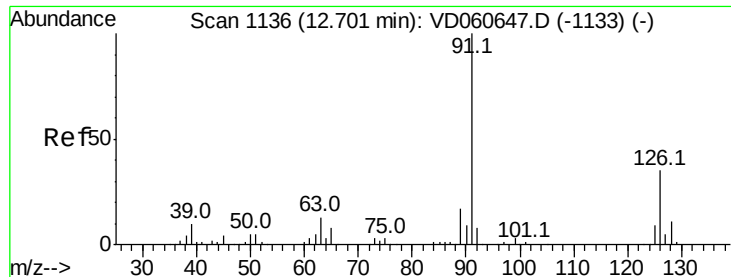
Tot Ion:156 Resp: 329612
Ion Ratio Lower Upper
156 100
77 120.9 61.3 183.9
158 95.9 48.9 146.6



#78
n-propylbenzene
Concen: 20.616 ug/l
RT: 12.64 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Tgt Ion: 91 Resp: 1640775
Ion Ratio Lower Upper
91 100
120 20.8 10.4 31.2





#79

2-Chlorotoluene

Concen: 20.477 ug/l

RT: 12.71 min Scan# 1167

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

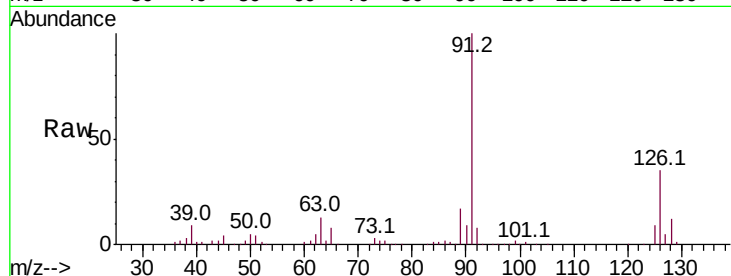
VD1220SBS01

Tot Ion: 91 Resp: 872901

Ion Ratio Lower Upper

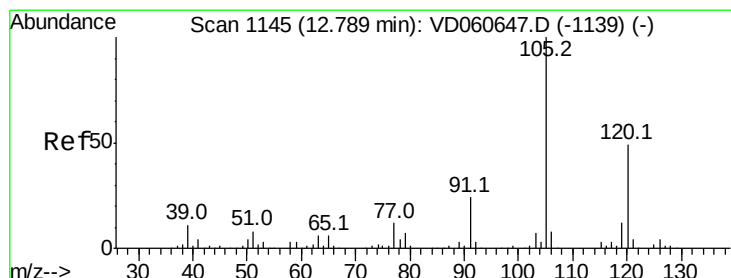
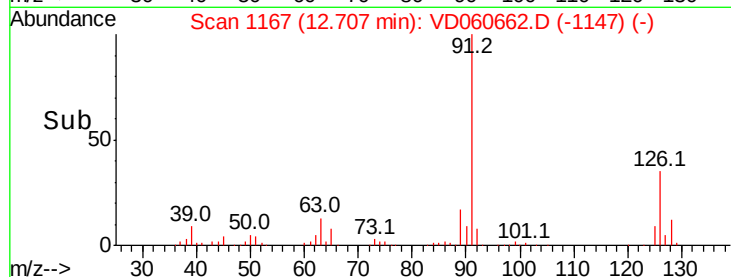
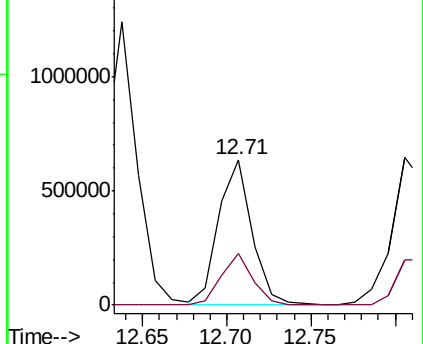
91 100

126 35.4 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: 20.916 ug/l

RT: 12.80 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VD060662.D

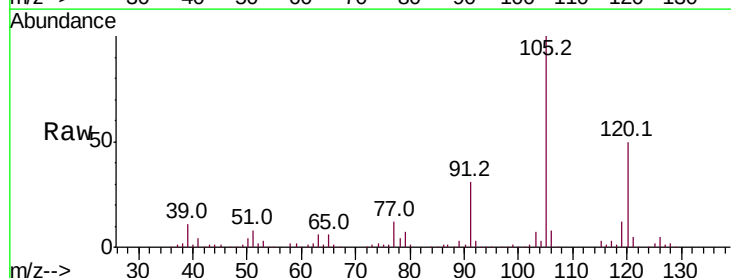
Acq: 20 Dec 2018 17:01

Tgt Ion:105 Resp: 1005490

Ion Ratio Lower Upper

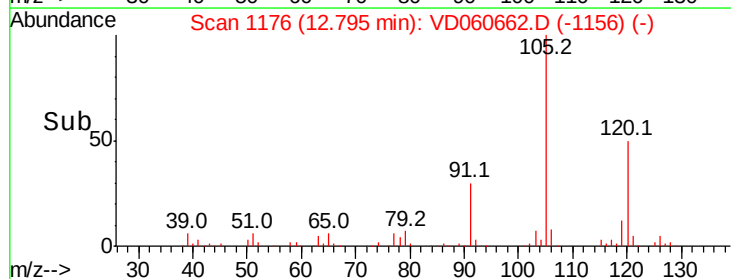
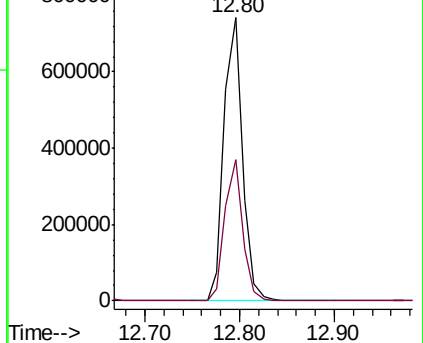
105 100

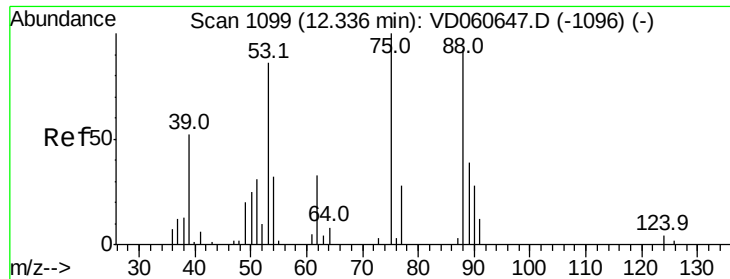
120 49.9 24.8 74.4



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: 19.046 ug/l

RT: 12.34 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

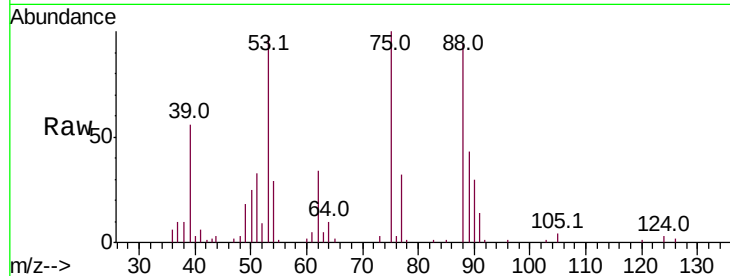
Tot Ion: 75 Resp: 52389

Ion Ratio Lower Upper

75 100

53 96.7 72.1 108.1

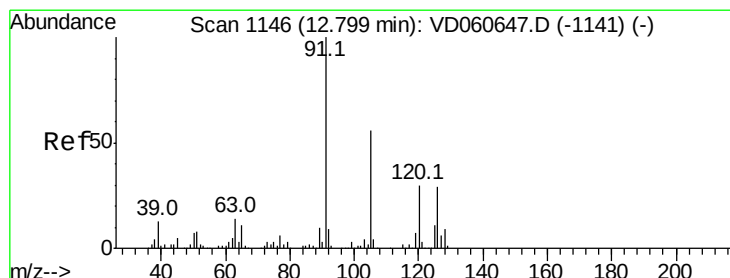
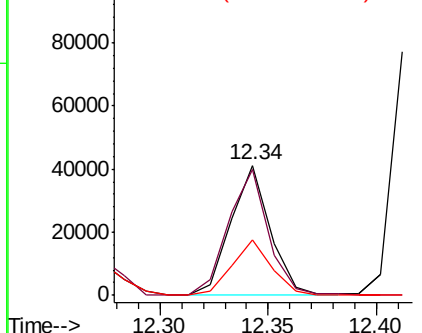
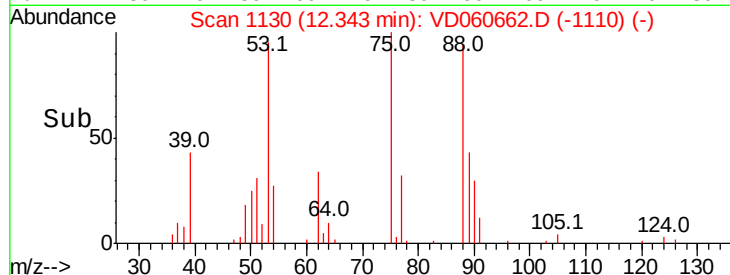
89 42.7 35.1 52.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.633 ug/l

RT: 12.81 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VD060662.D

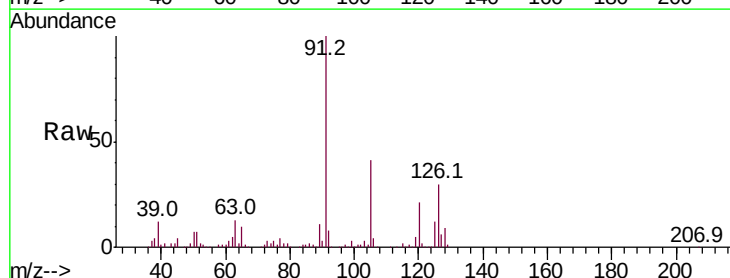
Acq: 20 Dec 2018 17:01

Tgt Ion: 91 Resp: 996915

Ion Ratio Lower Upper

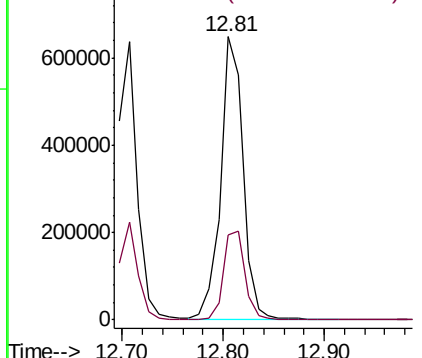
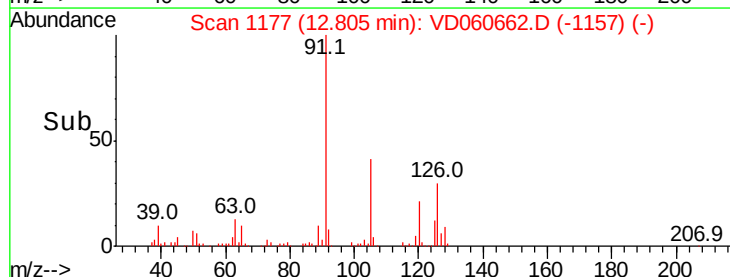
91 100

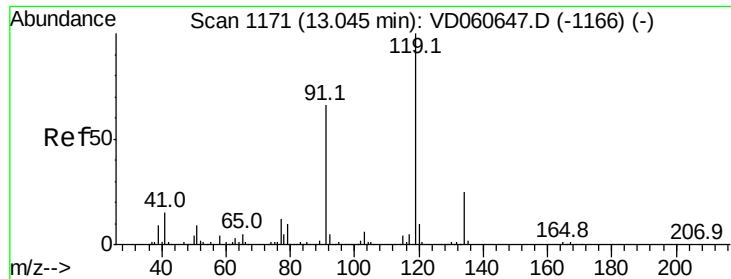
126 30.2 14.6 43.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

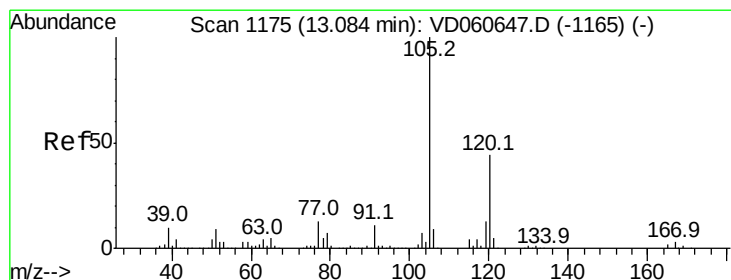
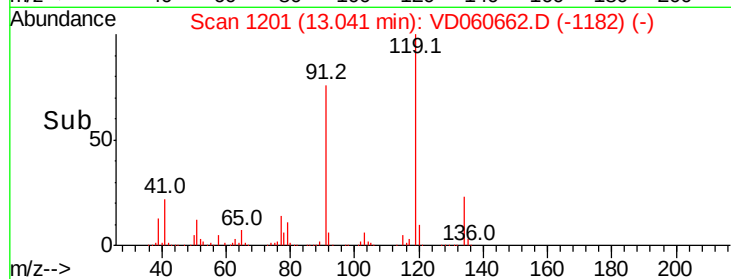
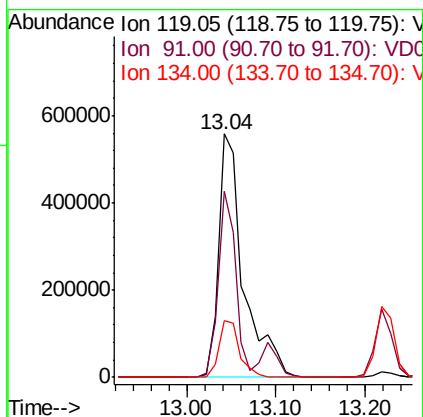
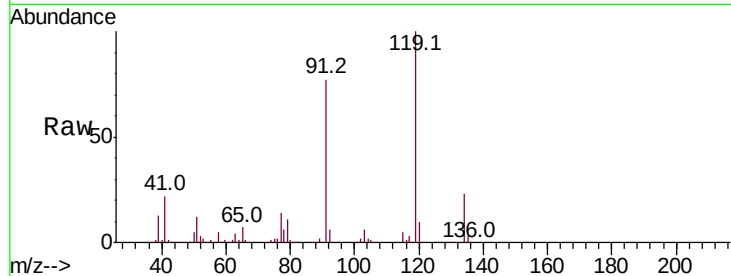




#83
 tert-Butylbenzene
 Concen: 19.972 ug/l
 RT: 13.04 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060662.D
 Acq: 20 Dec 2018 17:01

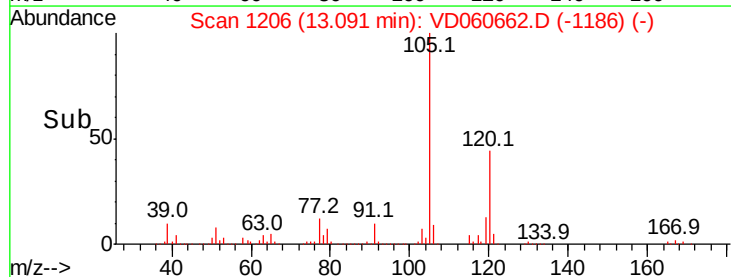
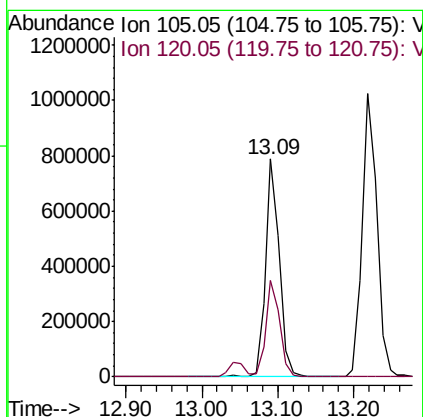
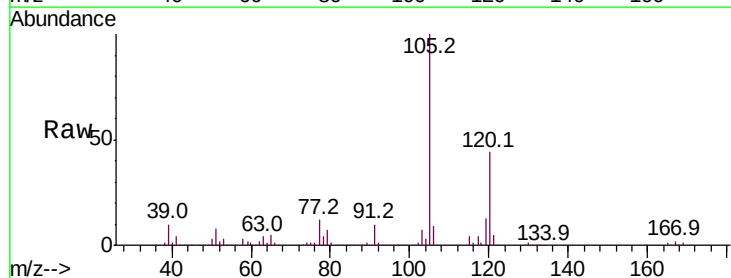
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

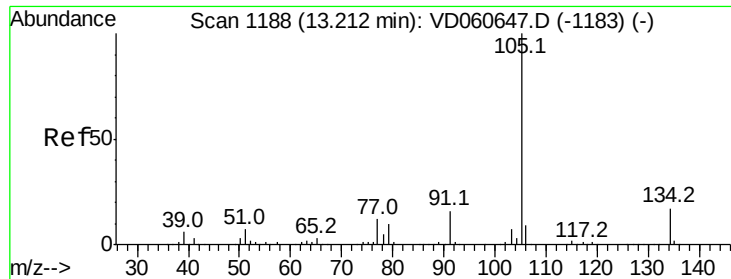
Tot Ion:119 Resp: 1092652
 Ion Ratio Lower Upper
 119 100
 91 76.6 32.5 97.4
 134 23.2 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.483 ug/l
 RT: 13.09 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VD060662.D
 Acq: 20 Dec 2018 17:01

Tgt Ion:105 Resp: 1014135
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.4 67.0





#85

sec-Butylbenzene

Concen: 20.424 ug/l

RT: 13.22 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

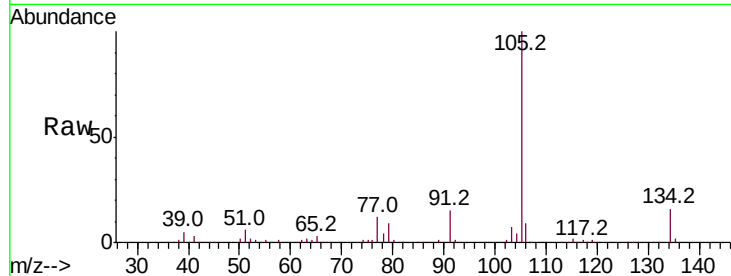
VD1220SBS01

Tot Ion:105 Resp: 1362689

Ion Ratio Lower Upper

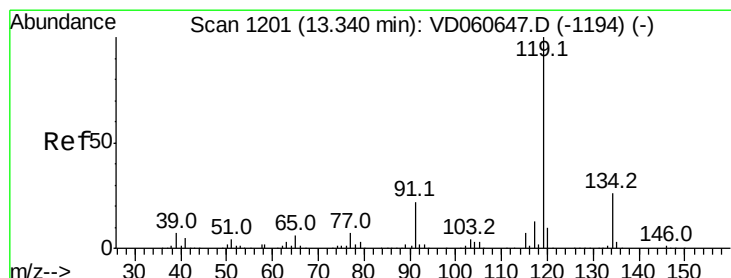
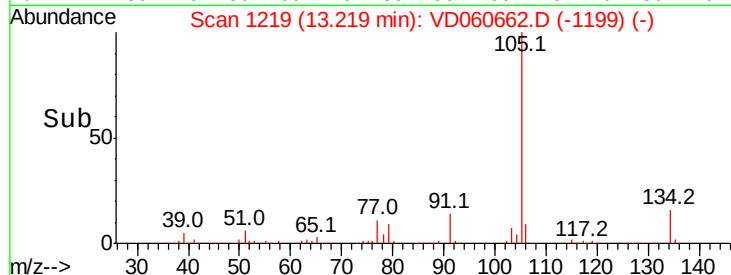
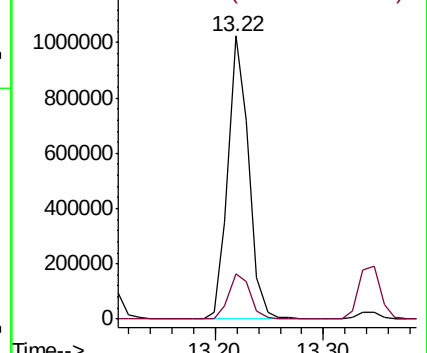
105 100

134 15.8 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.703 ug/l

RT: 13.34 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

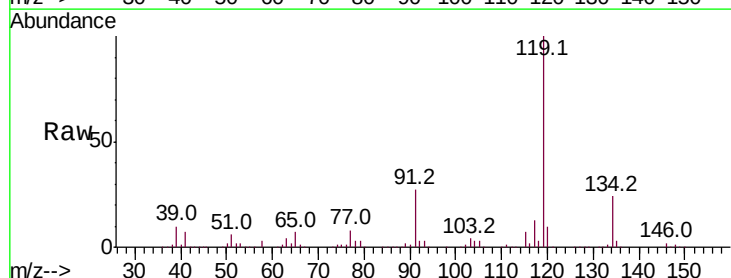
Tgt Ion:119 Resp: 1115011

Ion Ratio Lower Upper

119 100

134 23.6 12.5 37.5

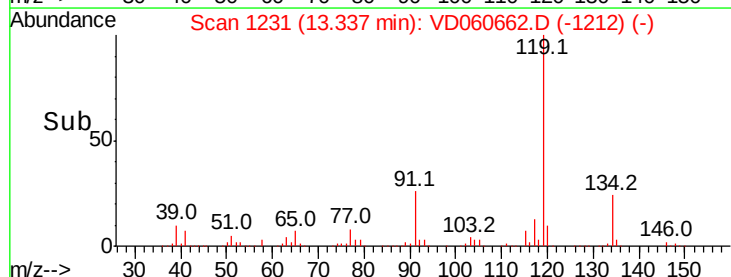
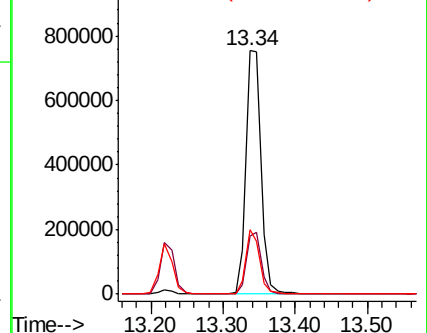
91 26.5 11.4 34.2

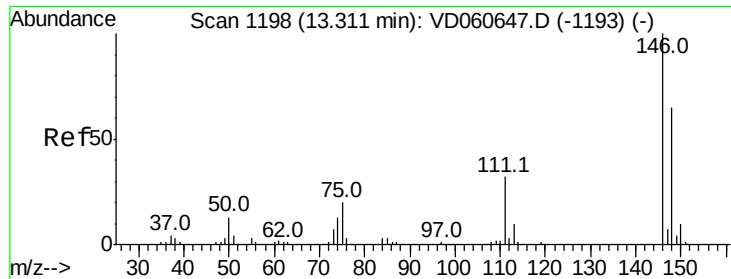


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

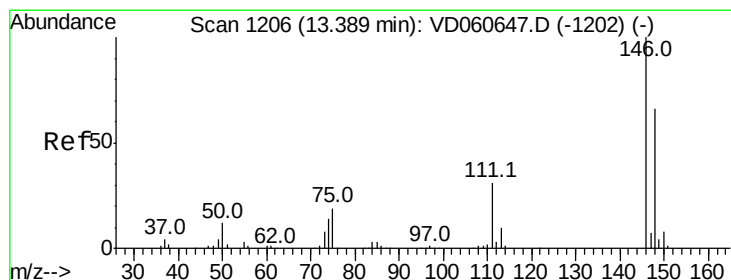
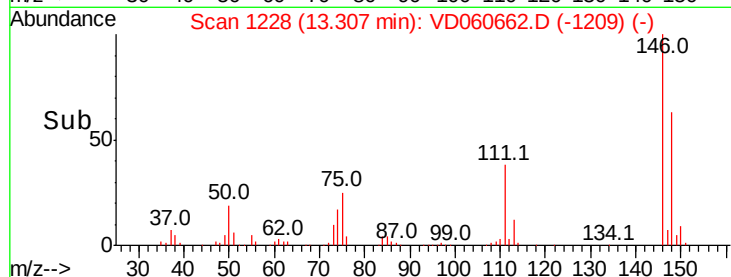
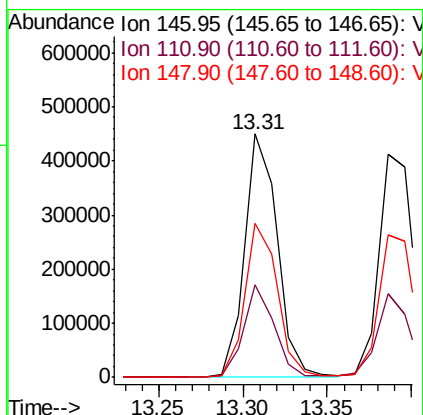
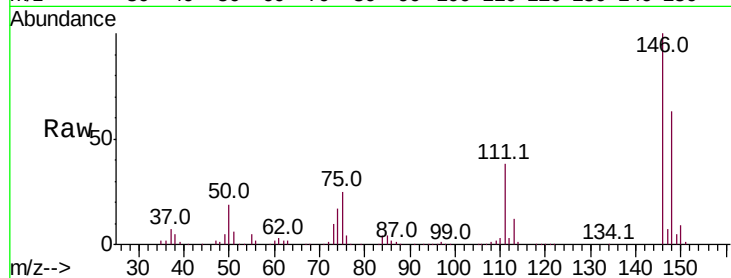




#87
 1,3-Dichlorobenzene
 Concen: 20.133 ug/l
 RT: 13.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD060662.D
 Acq: 20 Dec 2018 17:01

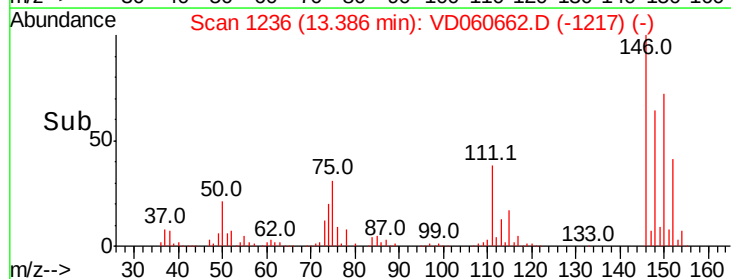
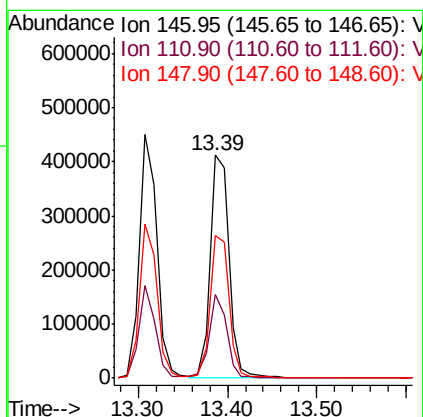
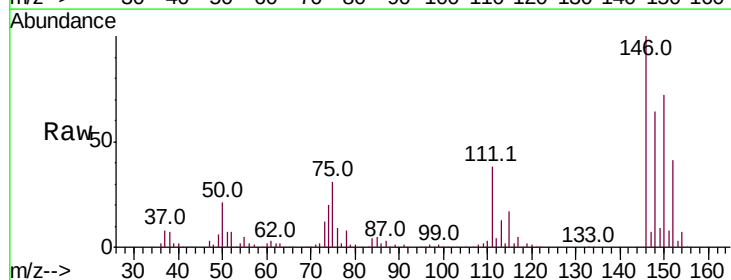
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

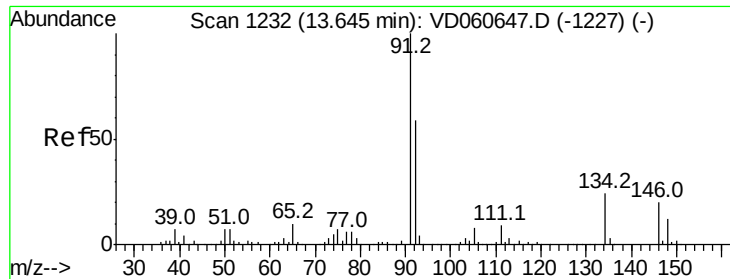
Tot Ion:146 Resp: 607465
 Ion Ratio Lower Upper
 146 100
 111 37.9 16.6 49.8
 148 63.2 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 20.153 ug/l
 RT: 13.39 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: VD060662.D
 Acq: 20 Dec 2018 17:01

Tgt Ion:146 Resp: 599192
 Ion Ratio Lower Upper
 146 100
 111 37.6 16.2 48.5
 148 63.9 32.7 98.1

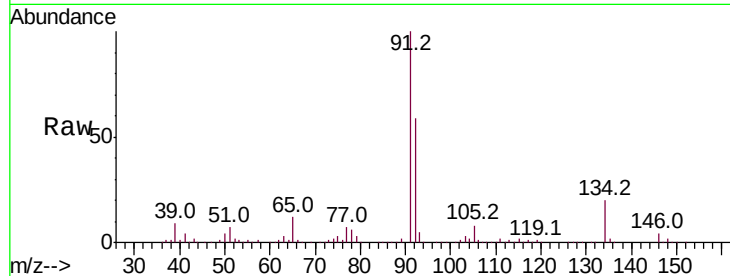




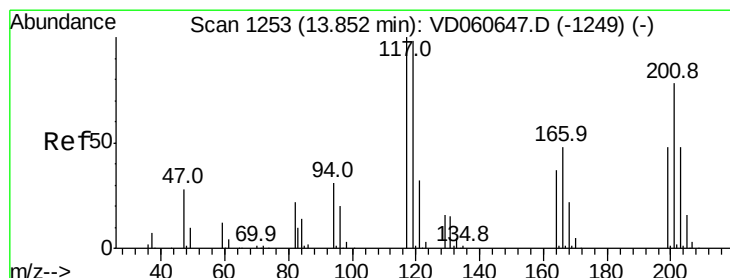
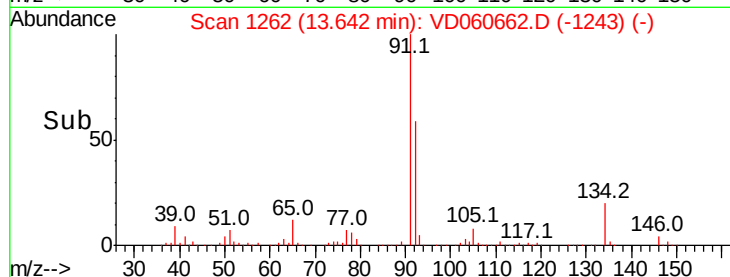
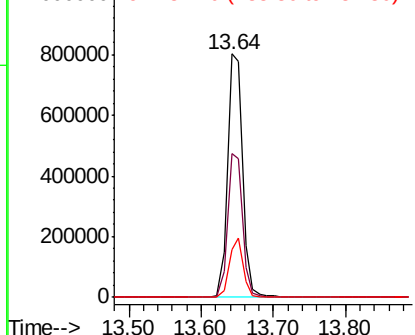
#89
n-Butylbenzene
Concen: 21.005 ug/l
RT: 13.64 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tot Ion: 91 Resp: 1156056
Ion Ratio Lower Upper
91 100
92 58.8 29.7 89.1
134 19.8 12.7 38.1

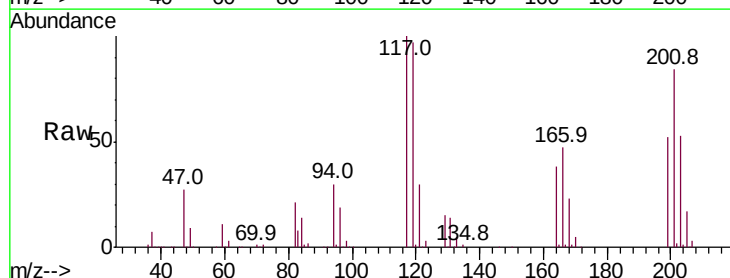


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

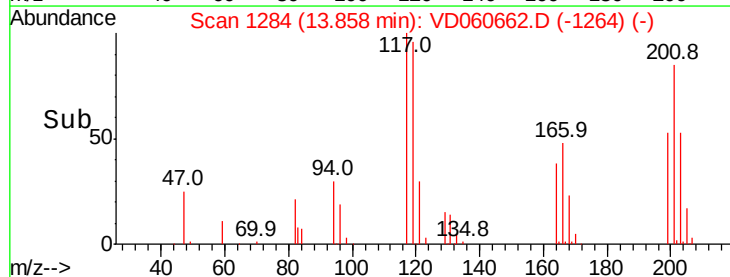
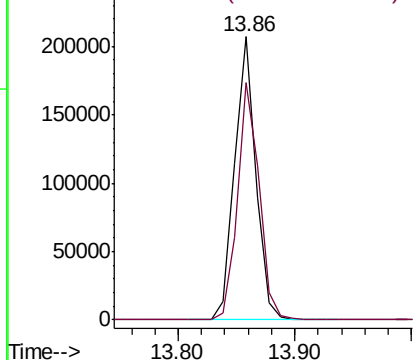


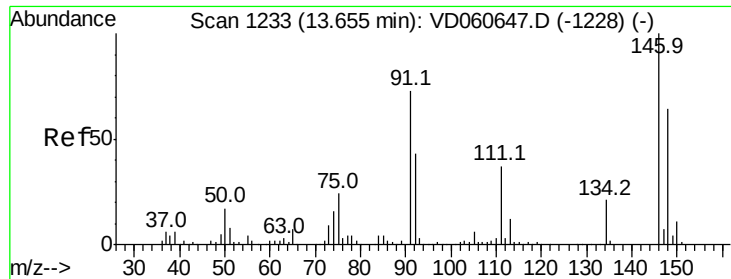
#90
Hexachloroethane
Concen: 19.759 ug/l
RT: 13.86 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VD060662.D
Acq: 20 Dec 2018 17:01

Tgt Ion: 117 Resp: 261429
Ion Ratio Lower Upper
117 100
201 84.0 42.6 127.8



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

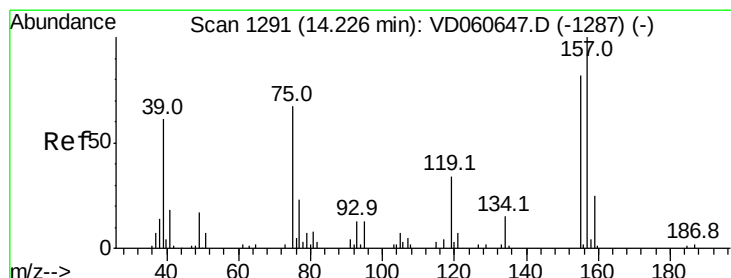
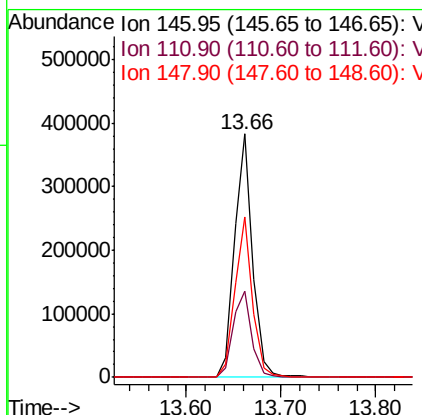
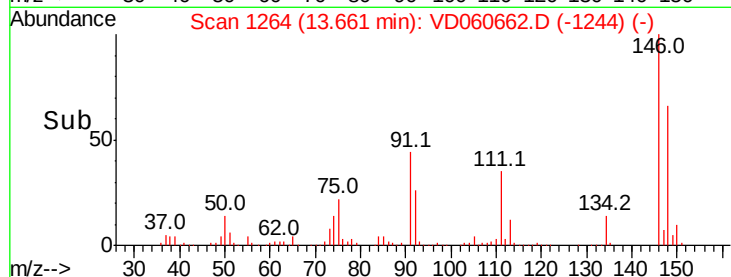
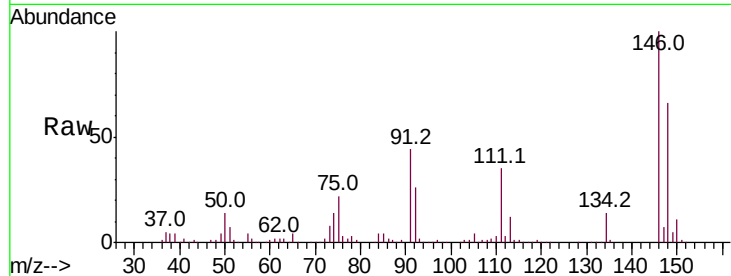




#91
 1,2-Dichlorobenzene
 Concen: 20.684 ug/l
 RT: 13.66 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VD060662.D
 Acq: 20 Dec 2018 17:01

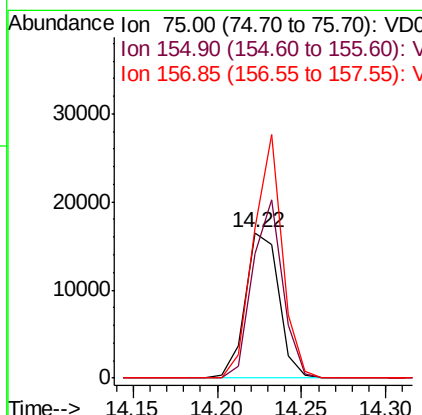
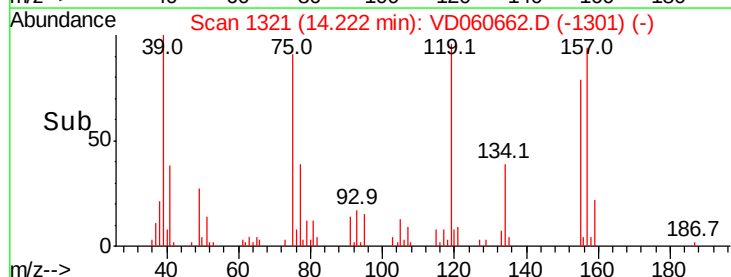
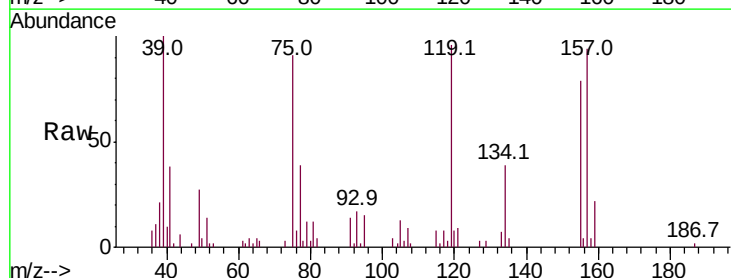
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBSD01

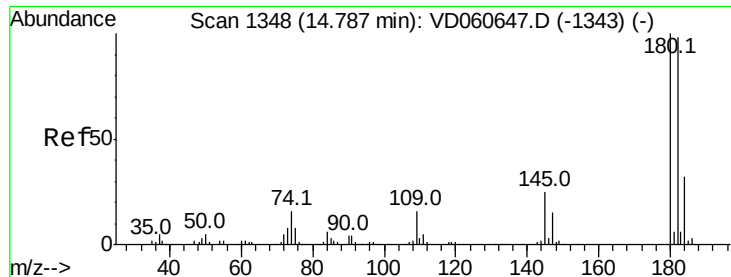
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	19.3	57.9
148	65.7	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.282 ug/l
 RT: 14.22 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD060662.D
 Acq: 20 Dec 2018 17:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	41.1	123.4
157	103.0	52.5	157.6

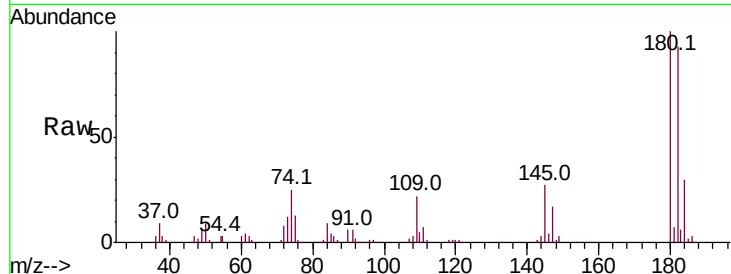




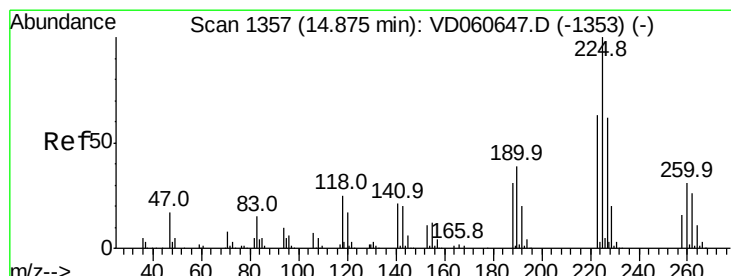
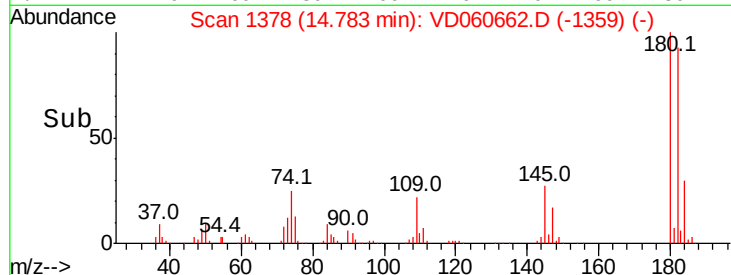
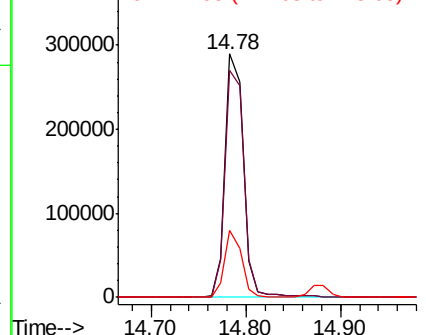
#93
 1,2,4-Trichlorobenzene
 Concen: 20.263 ug/l
 RT: 14.78 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VD060662.D
 Acq: 20 Dec 2018 17:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.8	146.4
145	27.3	11.8	35.3

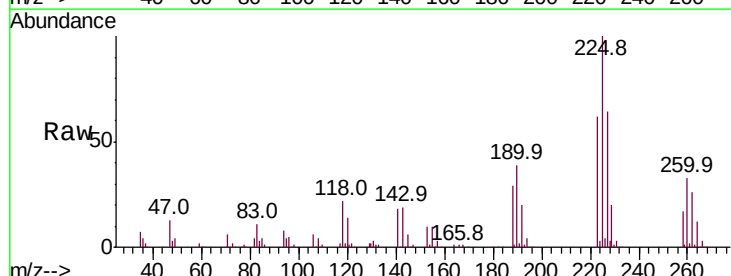


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

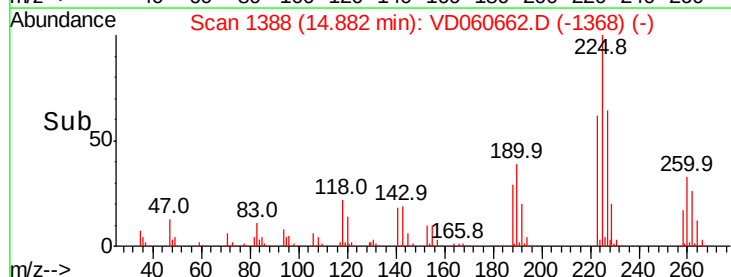
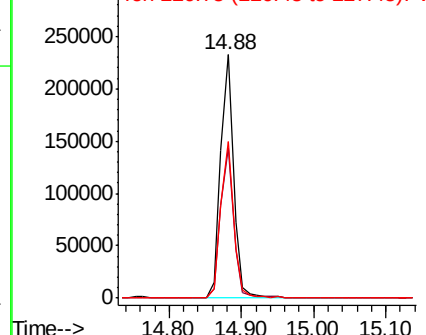


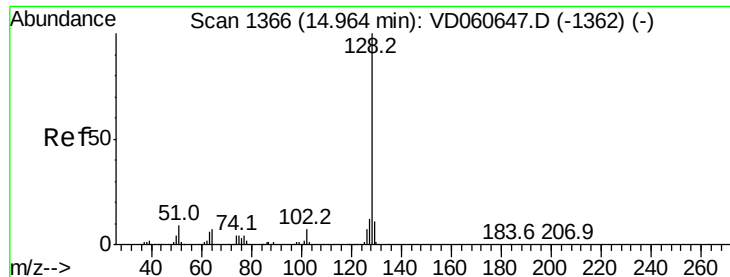
#94
 Hexachlorobutadiene
 Concen: 20.385 ug/l
 RT: 14.88 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD060662.D
 Acq: 20 Dec 2018 17:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.3	93.8
227	64.2	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: 19.799 ug/l

RT: 14.97 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBSD01

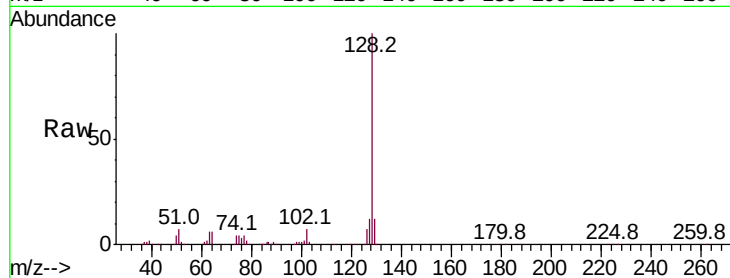
Tot Ion:128 Resp: 453206

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

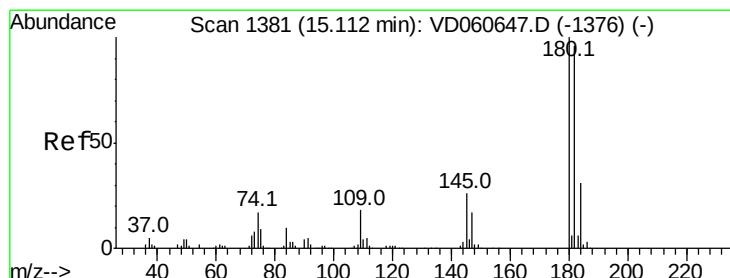
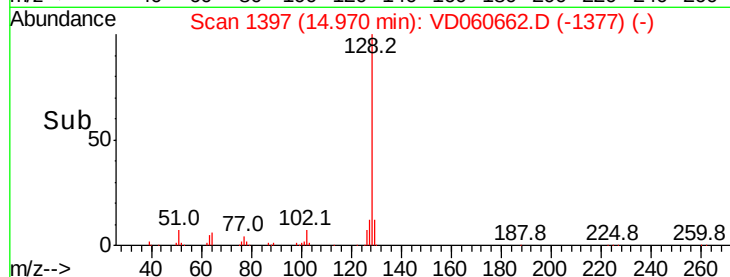
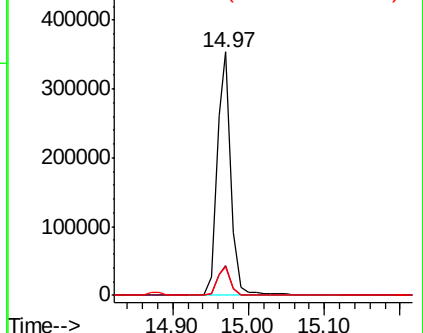
129 11.8 8.6 13.0



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: 20.959 ug/l

RT: 15.12 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD060662.D

Acq: 20 Dec 2018 17:01

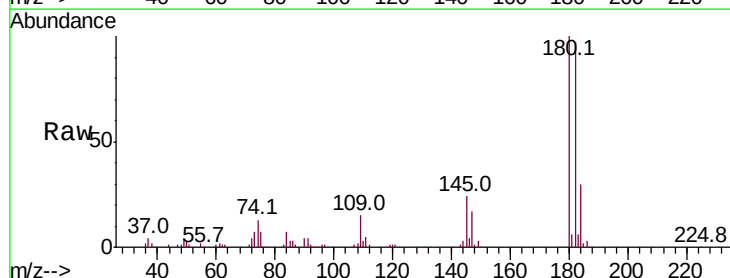
Tgt Ion:180 Resp: 315536

Ion Ratio Lower Upper

180 100

182 96.7 48.6 145.9

145 24.5 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

