

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058384.D
 Acq On : 24 Jun 2018 21:04
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 04:06:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	819510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1081367	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	852031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	453427	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	456421	55.14	ug/l	0.02
Spiked Amount			Recovery	=	110.28%	
35) Dibromofluoromethane	5.55	113	461487	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
50) Toluene-d8	8.71	98	1100806	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.93	95	453217	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	390079	50.993	ug/l	99
3) Chloromethane	1.49	50	187140	52.551	ug/l	95
4) Vinyl Chloride	1.56	62	216364	50.399	ug/l	99
5) Bromomethane	1.79	94	76617	53.853	ug/l	98
6) Chloroethane	1.88	64	97362	64.637	ug/l	99
7) Trichlorofluoromethane	2.09	101	320196	54.397	ug/l	94
8) Diethyl Ether	2.35	74	69654	55.945	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.55	101	191343	51.133	ug/l	94
10) Methyl Iodide	2.69	142	233277	54.805	ug/l	97
11) Tert butyl alcohol	3.27	59	86998	318.660	ug/l	99
12) 1,1-Dichloroethene	2.54	96	145192	51.569	ug/l	90
13) Acrolein	2.47	56	20162	129.367	ug/l	83
14) Allyl chloride	2.93	41	341595	52.128	ug/l	95
15) Acrylonitrile	3.36	53	229175	316.583	ug/l	94
16) Acetone	2.61	43	281773	248.908	ug/l	93
17) Carbon Disulfide	2.76	76	457907	47.803	ug/l	98
18) Methyl Acetate	2.94	43	139654	57.846	ug/l	93
19) Methyl tert-butyl Ether	3.41	73	664386	88.969	ug/l	98
20) Methylene Chloride	3.07	84	162677	55.578	ug/l	88
21) trans-1,2-Dichloroethene	3.40	96	222157	72.198	ug/l	96
22) Diisopropyl ether	4.08	45	1240835	47.677	ug/l	93
23) Vinyl Acetate	4.02	43	3504988	251.226	ug/l	99
24) 1,1-Dichloroethane	3.98	63	702592	50.109	ug/l	98
25) 2-Butanone	4.84	43	623026	252.513	ug/l	99
26) 2,2-Dichloropropane	4.81	77	562954	47.949	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	408923	53.181	ug/l	99
28) Bromochloromethane	5.15	49	319294	50.799	ug/l	94
29) Tetrahydrofuran	5.19	42	328902	250.442	ug/l	100
30) Chloroform	5.33	83	757972	51.206	ug/l	94
31) Cyclohexane	5.59	56	502850	49.325	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	663153	54.222	ug/l	98
36) 1,1-Dichloropropene	5.75	75	515790	48.216	ug/l	97
37) Ethyl Acetate	4.93	43	305108	50.058	ug/l	97
38) Carbon Tetrachloride	5.73	117	544579	51.234	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	481837	46.243	ug/l	95
40) Benzene	6.02	78	1218724	47.826	ug/l	100
41) Methacrylonitrile	5.13	41	151985	51.640	ug/l	97
42) 1,2-Dichloroethane	6.14	62	548315	53.364	ug/l	99
43) Isopropyl Acetate	7.62	43	401695	49.434	ug/l	99
44) Trichloroethene	6.98	130	404120	52.813	ug/l	99
45) 1,2-Dichloropropane	7.36	63	337637	49.198	ug/l	98
46) Dibromomethane	7.46	93	241588	51.567	ug/l	92
47) Bromodichloromethane	7.75	83	570930	53.440	ug/l	97
48) Methyl methacrylate	7.51	41	256380	51.912	ug/l	98
49) 1,4-Dioxane	7.49	88	51894	1164.044	ug/l	89
51) 4-Methyl-2-Pentanone	8.61	43	1339271	252.677	ug/l	100
52) Toluene	8.81	92	710722	48.981	ug/l	100
53) t-1,3-Dichloropropene	9.20	75	472855	50.908	ug/l	98
54) cis-1,3-Dichloropropene	8.37	75	552617	50.748	ug/l	98
55) 1,1,2-Trichloroethane	9.46	97	269174	52.433	ug/l	94
56) Ethyl methacrylate	9.32	69	315348	51.363	ug/l	96
57) 1,3-Dichloropropane	9.67	76	424391	49.076	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	793405	261.038	ug/l	97
59) 2-Hexanone	9.80	43	925794	241.727	ug/l	96
60) Dibromochloromethane	9.97	129	397587	57.067	ug/l	100
61) 1,2-Dibromoethane	10.10	107	299327	53.272	ug/l	98
64) Tetrachloroethene	9.52	164	385317	53.747	ug/l	97
65) Chlorobenzene	10.73	112	836267	52.471	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	335170	54.495	ug/l	94
67) Ethyl Benzene	10.86	91	1406566	49.990	ug/l	99
68) m/p-Xylenes	11.02	106	976501	104.070	ug/l	98
69) o-Xylene	11.41	106	451292	50.357	ug/l	99
70) Styrene	11.43	104	741478	48.486	ug/l	95
71) Bromoform	11.60	173	292643	59.645	ug/l	98
73) Isopropylbenzene	11.78	105	1397848	51.540	ug/l	99
74) N-amyl acetate	11.65	43	533645	50.888	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	307253	48.681	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	330538	49.929	ug/l	100
77) Bromobenzene	12.04	156	421482	51.897	ug/l	89
78) n-propylbenzene	12.16	91	1588778	45.362	ug/l	100
79) 2-Chlorotoluene	12.22	91	1013496	50.568	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	1060719	50.142	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	79828	49.441	ug/l	98
82) 4-Chlorotoluene	12.33	91	1081282	56.012	ug/l	93
83) tert-Butylbenzene	12.58	119	1241845	51.061	ug/l	96
84) 1,2,4-Trimethylbenzene	12.63	105	1176515	51.165	ug/l	98
85) sec-Butylbenzene	12.76	105	1504935	52.791	ug/l	97
86) p-Isopropyltoluene	12.89	119	1146850	49.644	ug/l	98
87) 1,3-Dichlorobenzene	12.85	146	725398	51.388	ug/l	99
88) 1,4-Dichlorobenzene	12.93	146	699034	50.712	ug/l	95
89) n-Butylbenzene	13.19	91	1148239	47.293	ug/l	97
90) Hexachloroethane	13.40	117	311837	52.007	ug/l	76
91) 1,2-Dichlorobenzene	13.19	146	588955	49.028	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	55961	55.712	ug/l	72

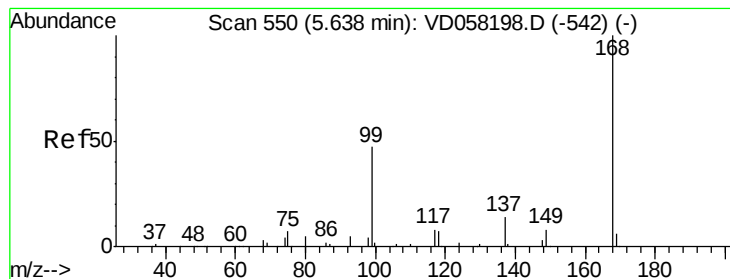
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	589299	51.292	ug/l	98
94) Hexachlorobutadiene	14.43	225	448507	49.910	ug/l	99
95) Naphthalene	14.52	128	822464	54.346	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	505940	50.302	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

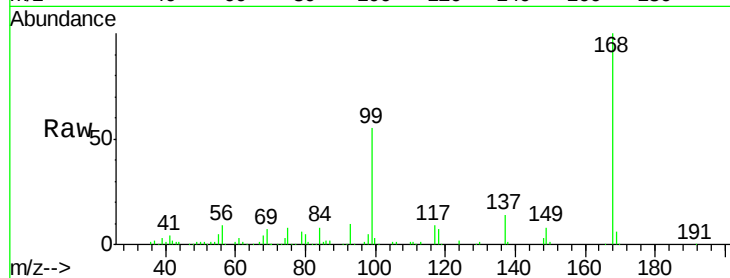
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 819510

Ion Ratio Lower Upper

168 100

99 54.9 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

300000

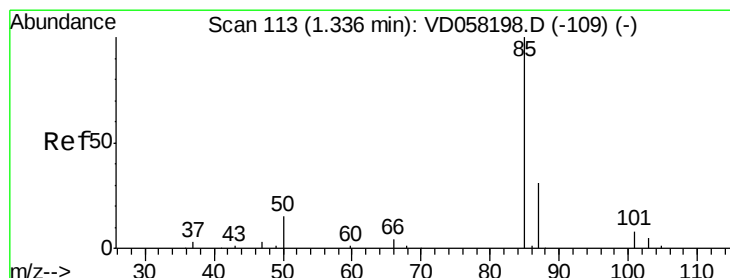
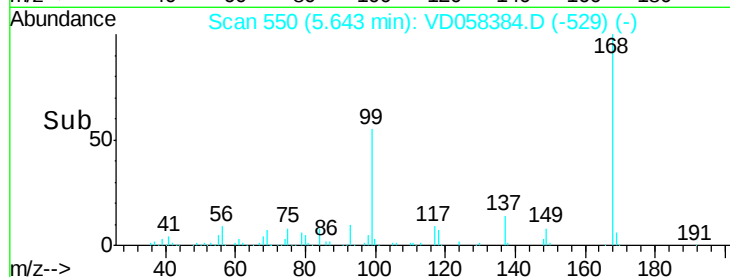
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.993 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.01 min

Lab File: VD058384.D

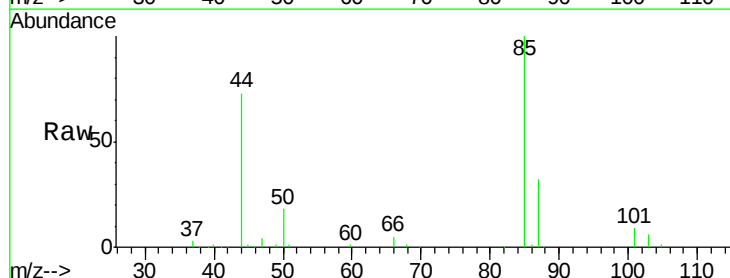
Acq: 24 Jun 2018 21:04

Tgt Ion: 85 Resp: 390079

Ion Ratio Lower Upper

85 100

87 32.0 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.34

150000

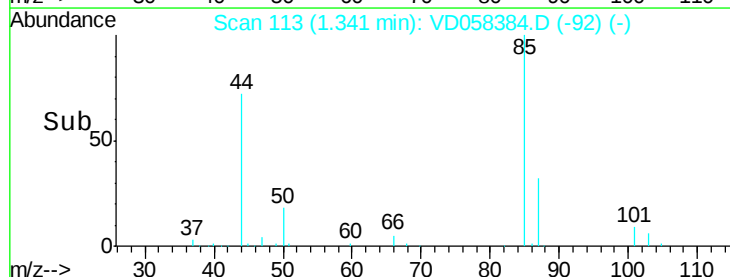
100000

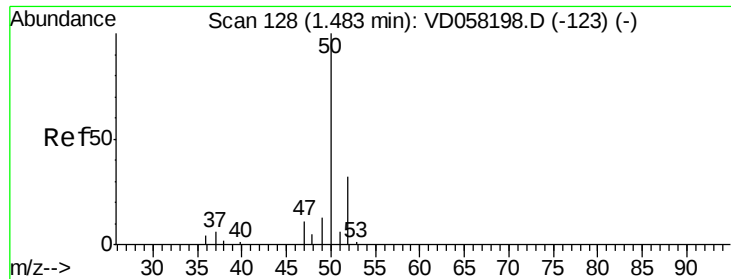
50000

0

1.30 1.40 1.50

Time-->





#3

Chloromethane

Concen: 52.551 ug/l

RT: 1.49 min Scan# 128

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

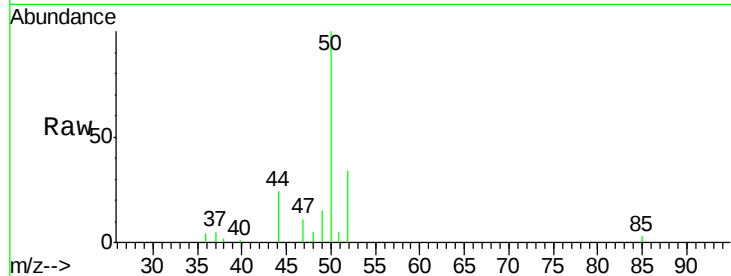
ClientSampleId :

Tot Ion: 50 Resp: 187140

Ion Ratio Lower Upper

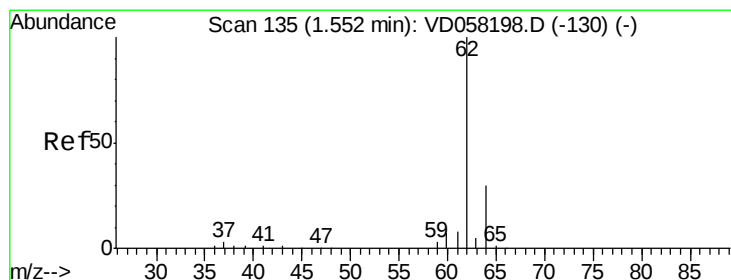
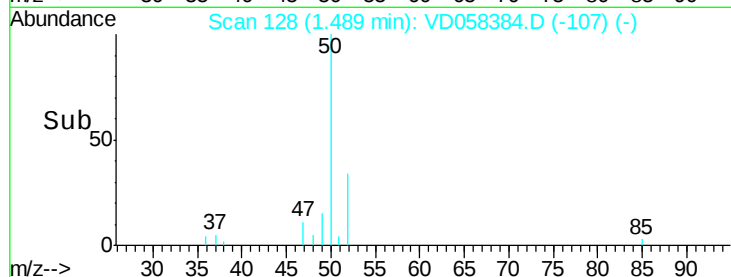
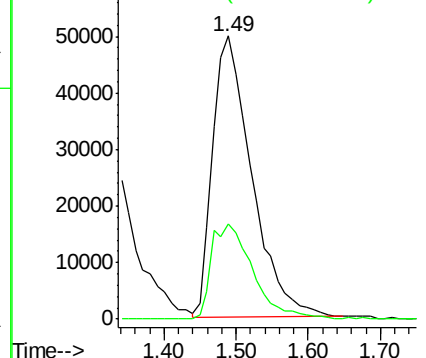
50 100

52 33.8 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.399 ug/l

RT: 1.56 min Scan# 135

Delta R.T. 0.01 min

Lab File: VD058384.D

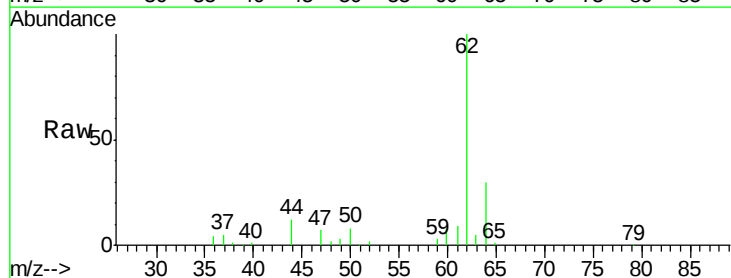
Acq: 24 Jun 2018 21:04

Tgt Ion: 62 Resp: 216364

Ion Ratio Lower Upper

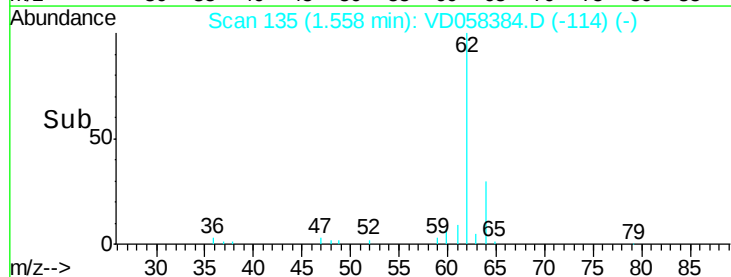
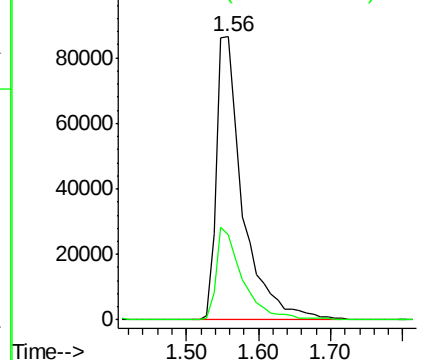
62 100

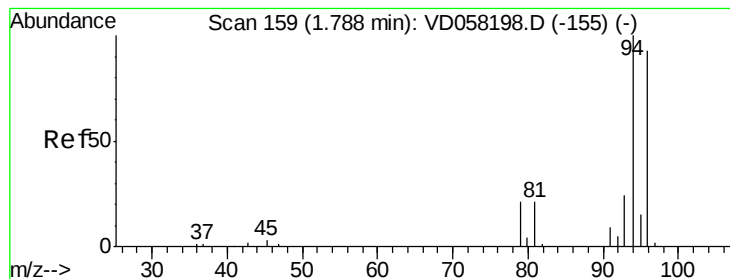
64 30.2 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 53.853 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

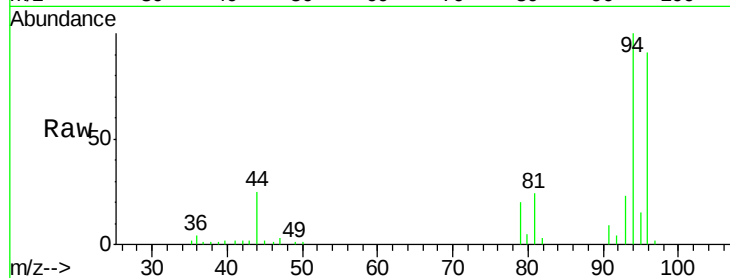
ClientSampleId :

Tot Ion: 94 Resp: 76617

Ion Ratio Lower Upper

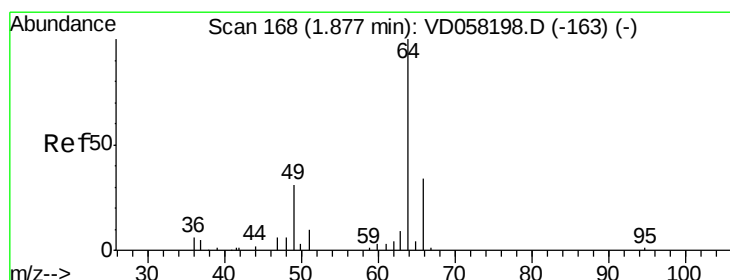
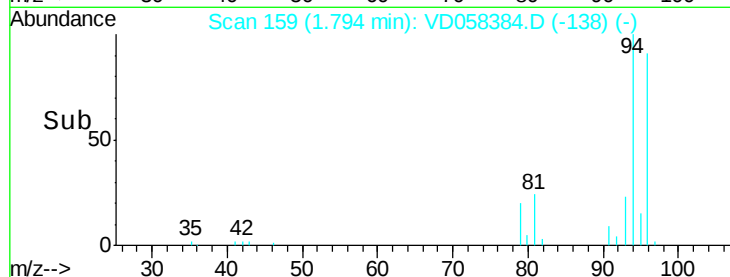
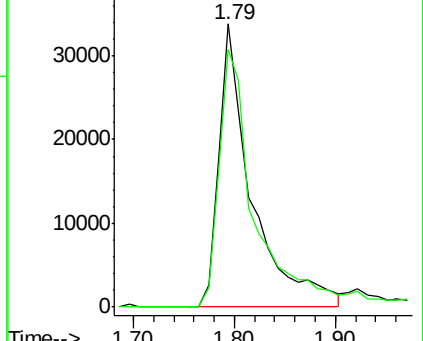
94 100

96 91.0 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 64.637 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD058384.D

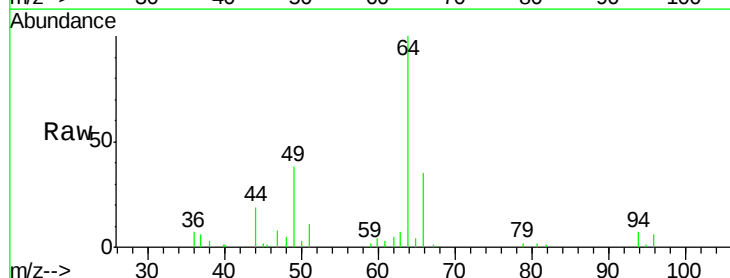
Acq: 24 Jun 2018 21:04

Tgt Ion: 64 Resp: 97362

Ion Ratio Lower Upper

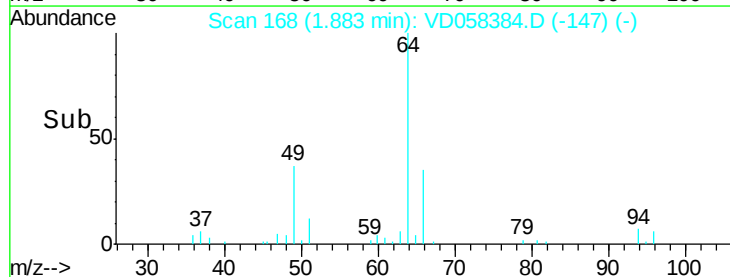
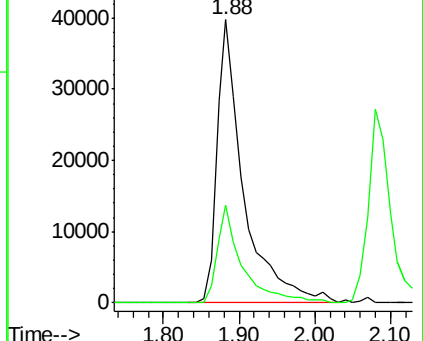
64 100

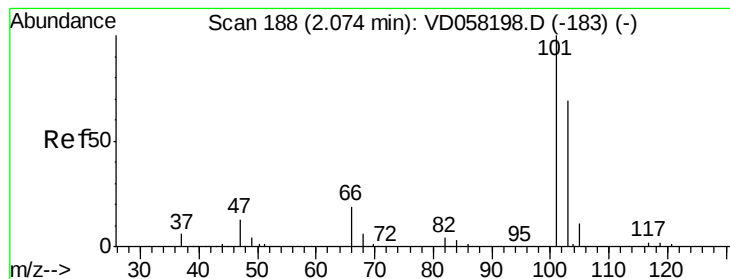
66 34.6 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



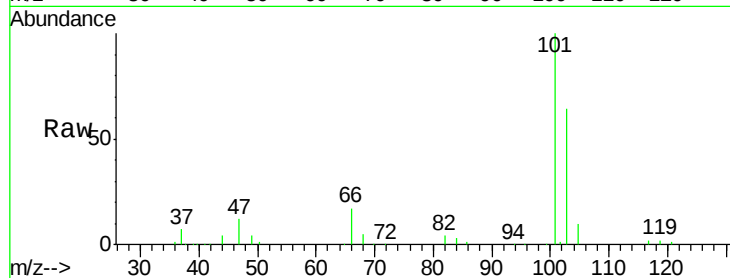


#7

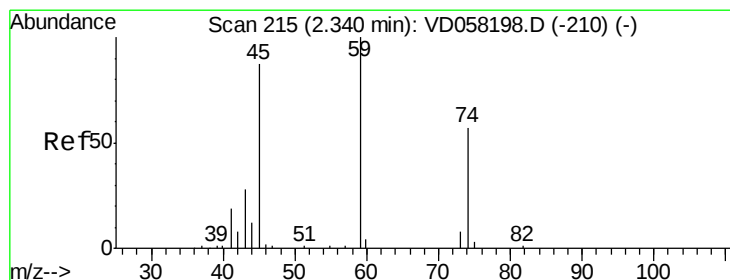
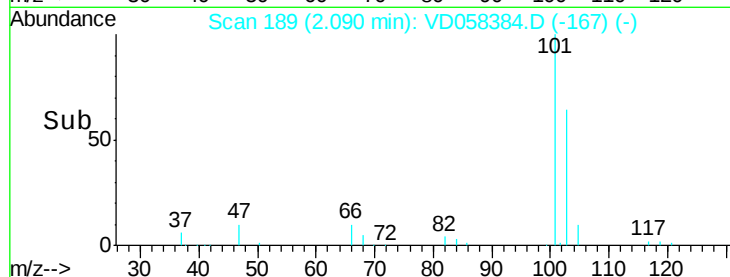
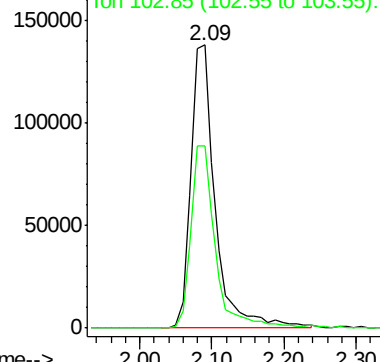
Trichlorofluoromethane
Concen: 54.397 ug/l
RT: 2.09 min Scan# 189
Delta R.T. 0.02 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 320196
Ion Ratio Lower Upper
101 100
103 64.2 55.1 82.7



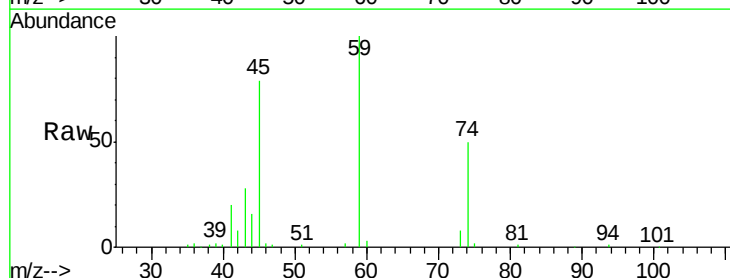
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



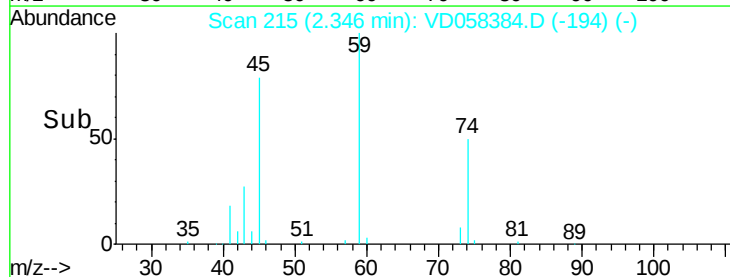
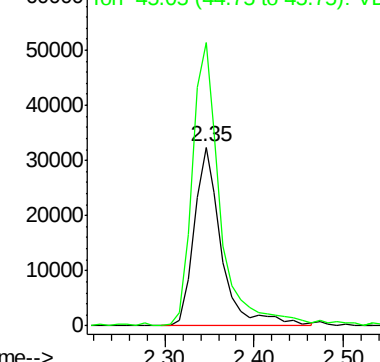
#8

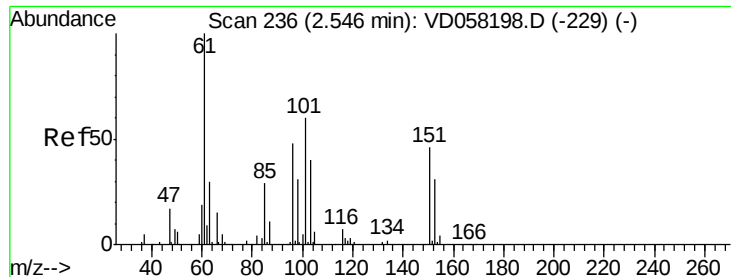
Diethyl Ether
Concen: 55.945 ug/l
RT: 2.35 min Scan# 215
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Tgt Ion: 74 Resp: 69654
Ion Ratio Lower Upper
74 100
45 158.5 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.133 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

ClientSampled :

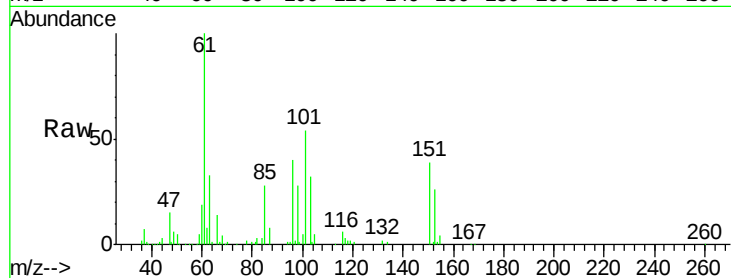
Tot Ion:101 Resp: 191343

Ion Ratio Lower Upper

101 100

85 52.9 39.0 58.4

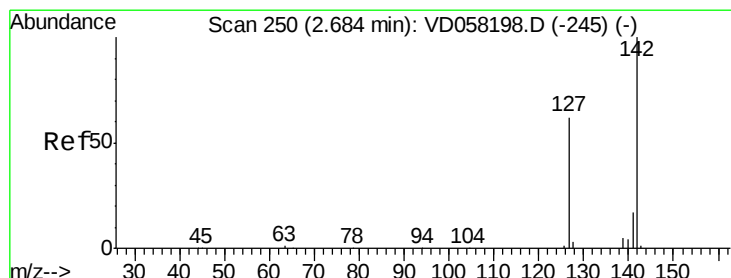
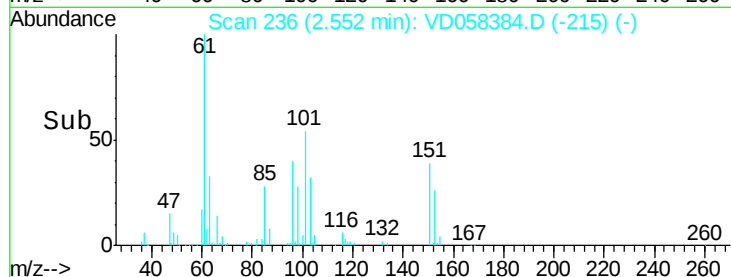
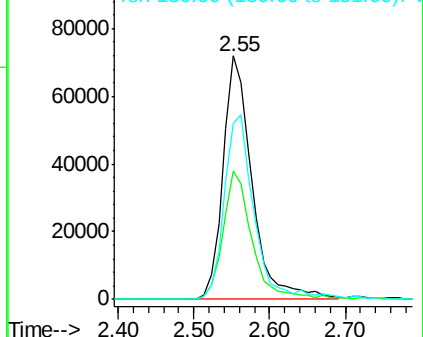
151 72.3 61.8 92.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 54.805 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

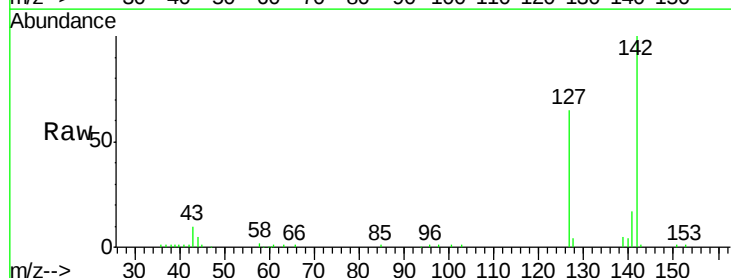
Tgt Ion:142 Resp: 233277

Ion Ratio Lower Upper

142 100

127 64.6 49.4 74.0

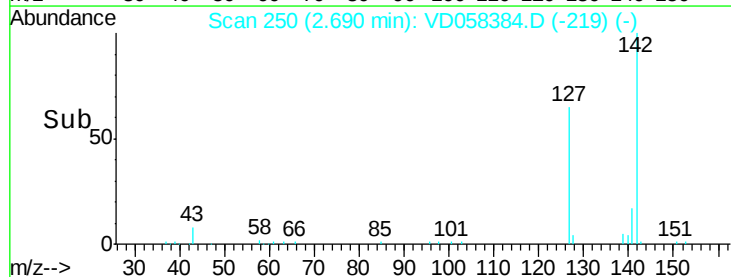
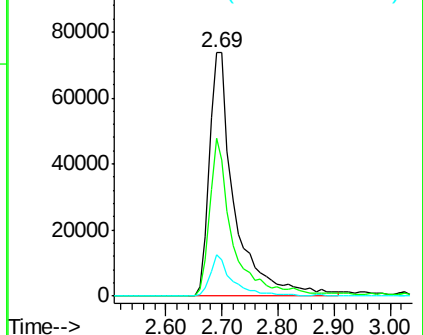
141 17.1 13.5 20.3



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



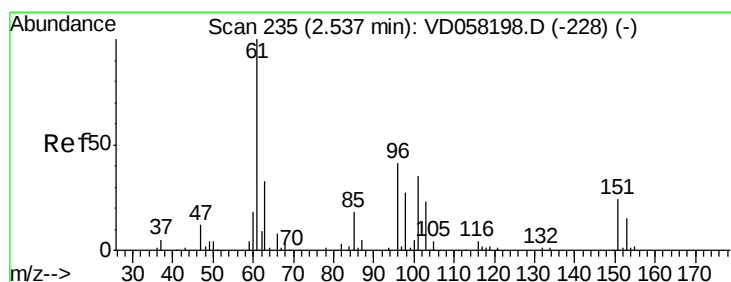
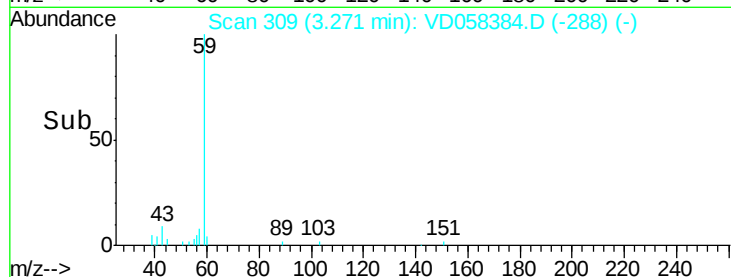
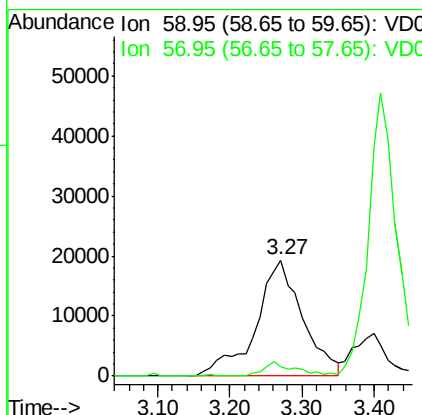
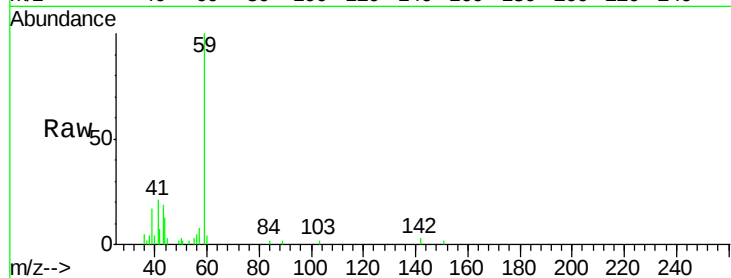


#11

Tert butyl alcohol
 Concen: 318.660 ug/l
 RT: 3.27 min Scan# 309
 Delta R.T. 0.01 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

Instrument :
 MSVOA_D
 ClientSampled :

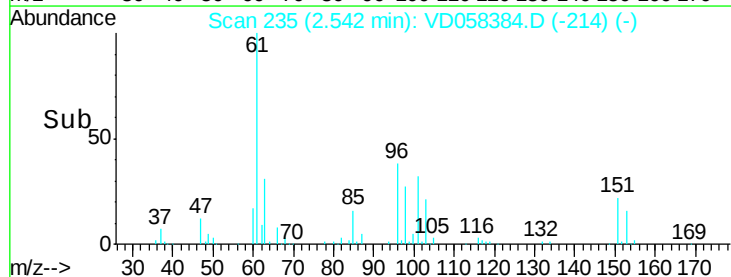
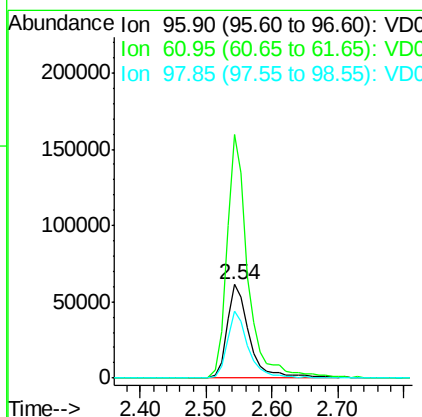
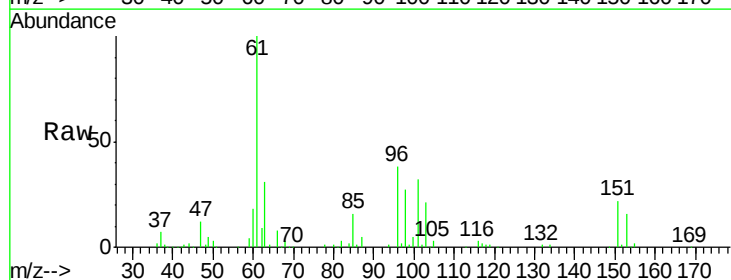
Tot Ion: 59 Resp: 86998
 Ion Ratio Lower Upper
 59 100
 57 7.6 6.2 9.4

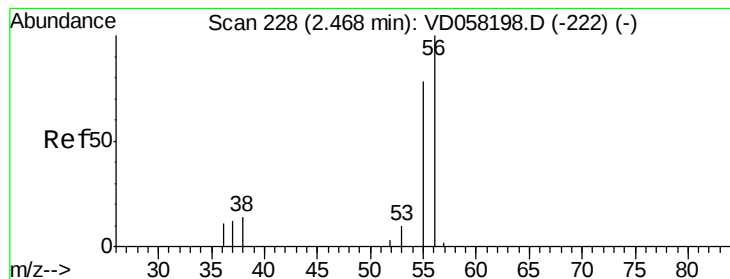


#12

1,1-Dichloroethene
 Concen: 51.569 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. 0.01 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

Tgt Ion: 96 Resp: 145192
 Ion Ratio Lower Upper
 96 100
 61 260.0 193.9 290.9
 98 70.9 51.7 77.5





#13

Acrolein

Concen: 129.367 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

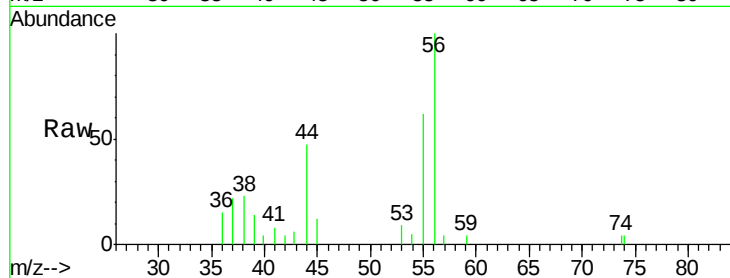
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 20162

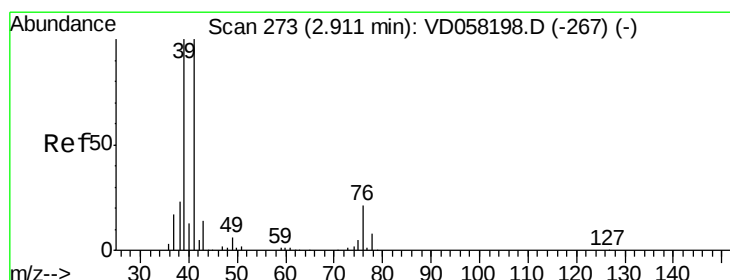
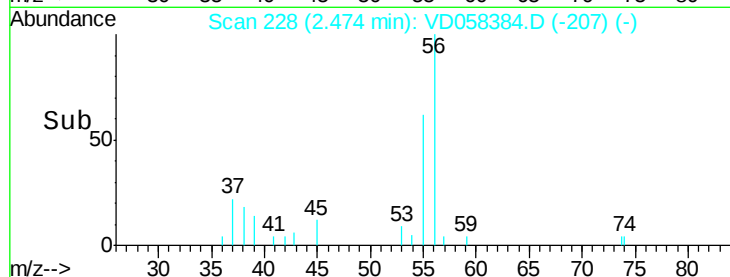
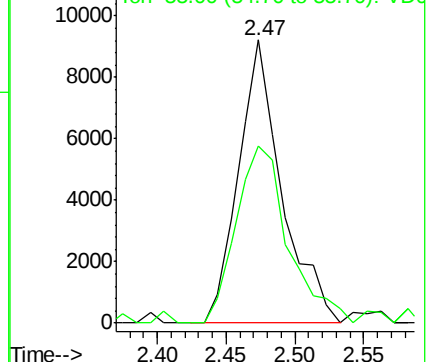
Ion Ratio Lower Upper

56 100

55 62.4 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.128 ug/l

RT: 2.93 min Scan# 274

Delta R.T. 0.02 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

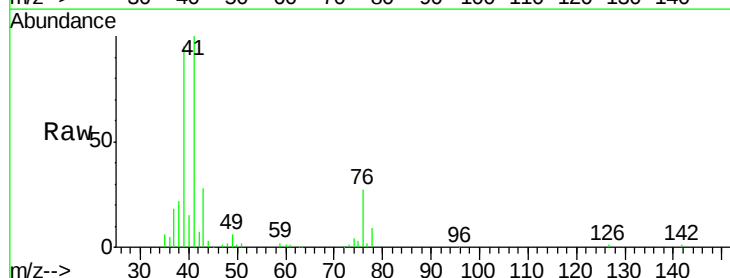
Tgt Ion: 41 Resp: 341595

Ion Ratio Lower Upper

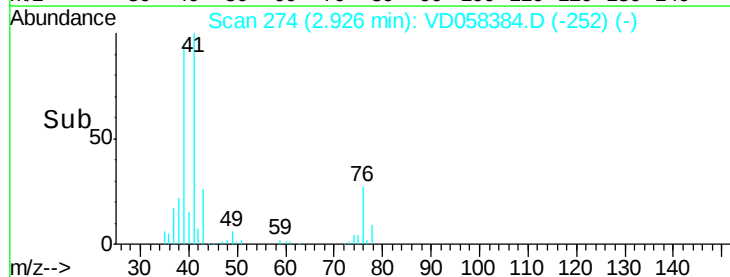
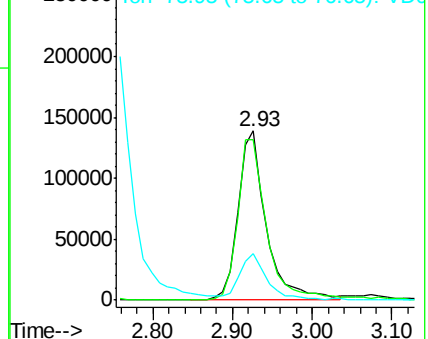
41 100

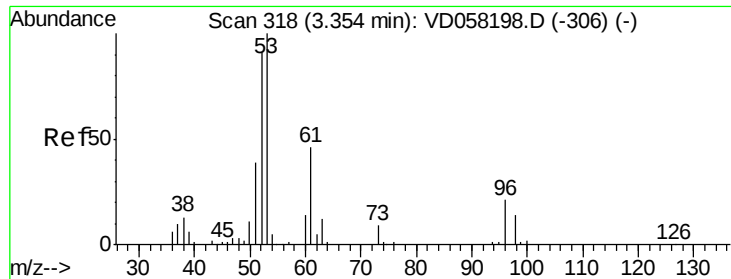
39 95.0 80.1 120.1

76 27.2 19.4 29.2



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: 316.583 ug/l

RT: 3.36 min Scan# 318

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

ClientSampleId :

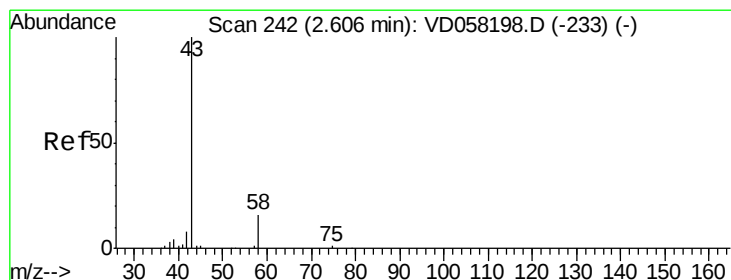
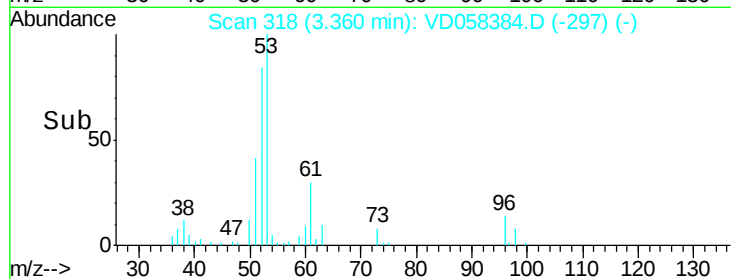
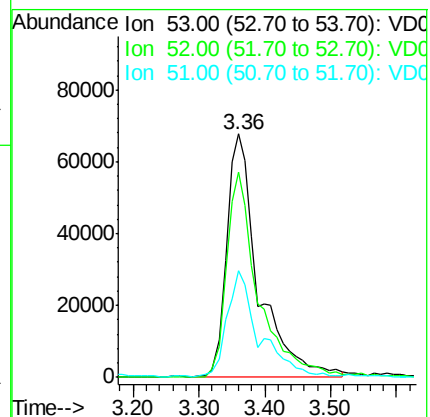
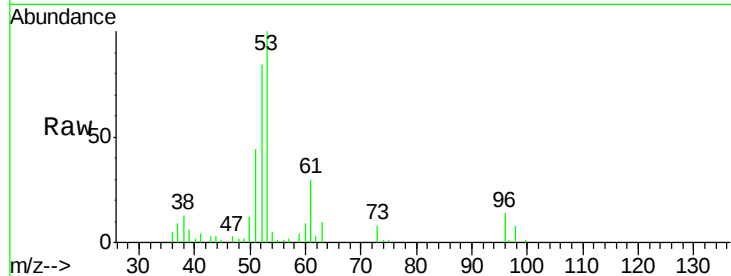
Tot Ion: 53 Resp: 229175

Ion Ratio Lower Upper

53 100

52 84.3 72.6 108.8

51 43.6 32.2 48.4



#16

Acetone

Concen: 248.908 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD058384.D

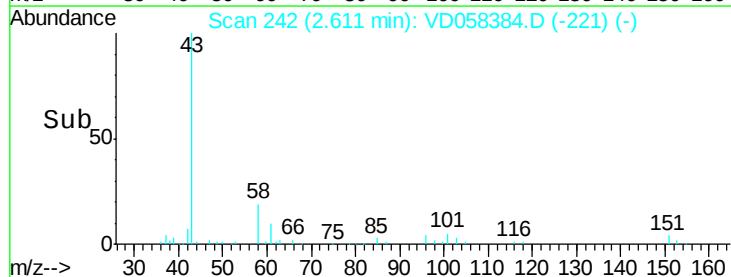
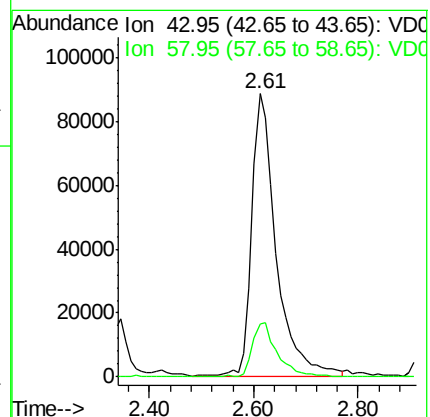
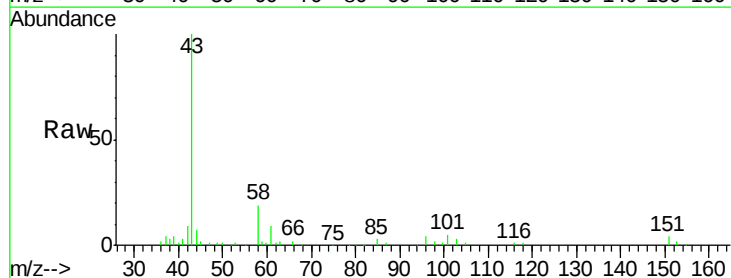
Acq: 24 Jun 2018 21:04

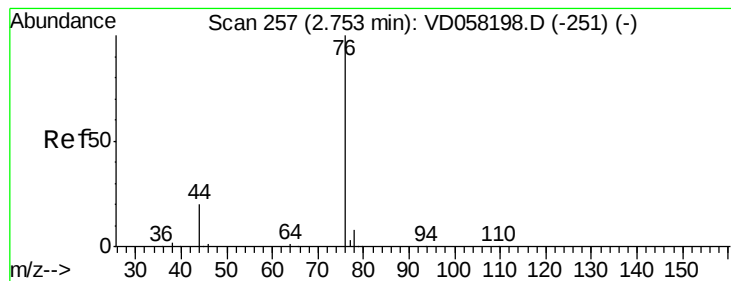
Tgt Ion: 43 Resp: 281773

Ion Ratio Lower Upper

43 100

58 18.8 12.7 19.1





#17

Carbon Disulfide

Concen: 47.803 ug/l

RT: 2.76 min Scan# 257

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

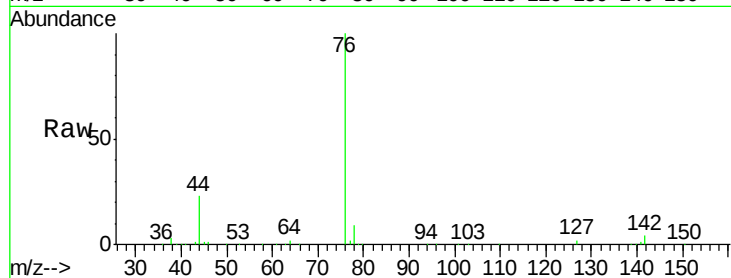
ClientSampled :

Tot Ion: 76 Resp: 457907

Ion Ratio Lower Upper

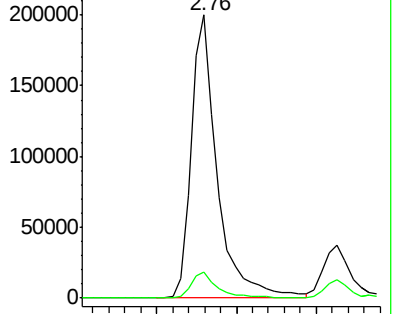
76 100

78 9.1 6.8 10.2

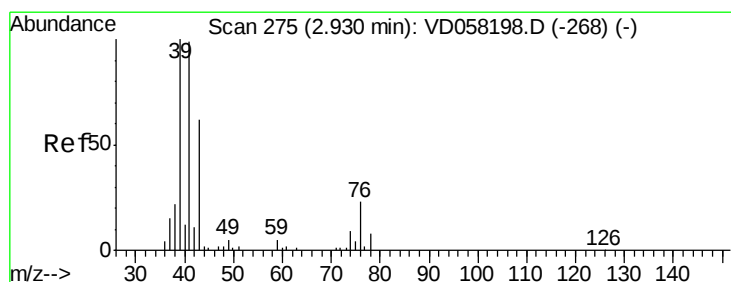
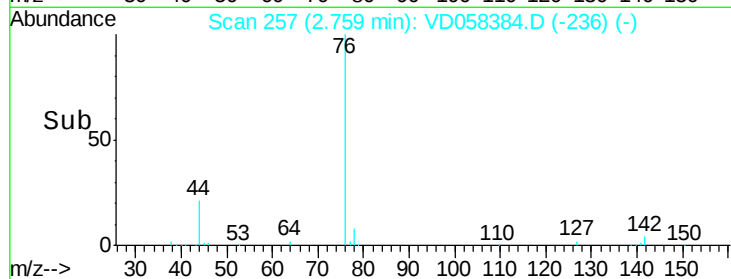


Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



Time-->



#18

Methyl Acetate

Concen: 57.846 ug/l

RT: 2.94 min Scan# 275

Delta R.T. 0.01 min

Lab File: VD058384.D

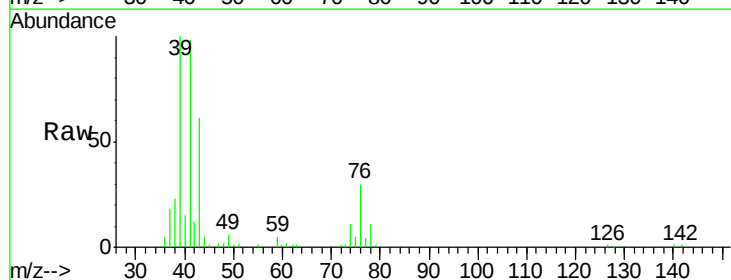
Acq: 24 Jun 2018 21:04

Tgt Ion: 43 Resp: 139654

Ion Ratio Lower Upper

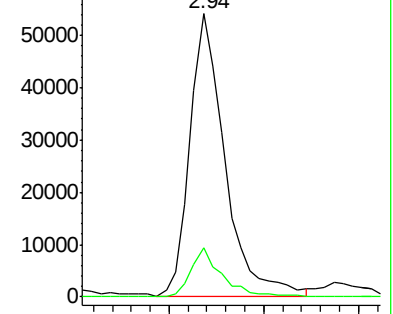
43 100

74 17.5 11.7 17.5

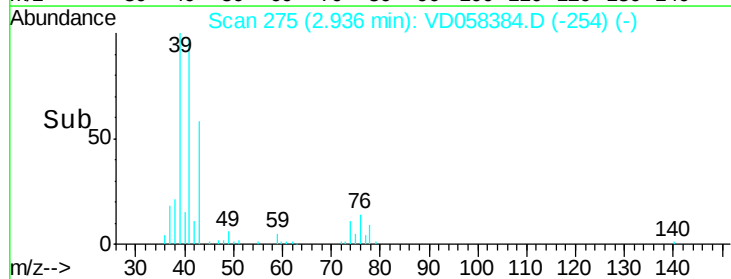


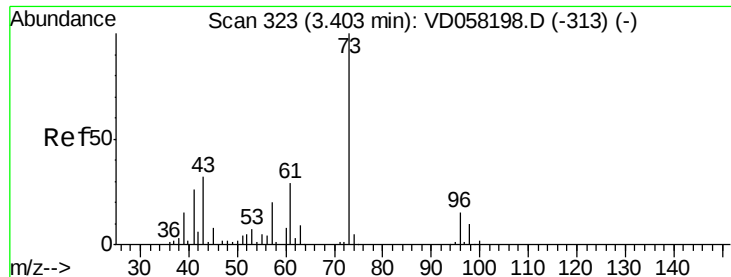
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->

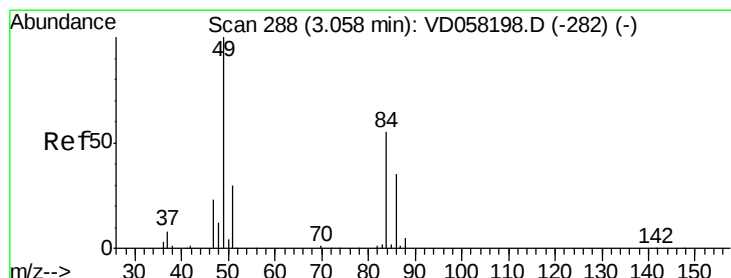
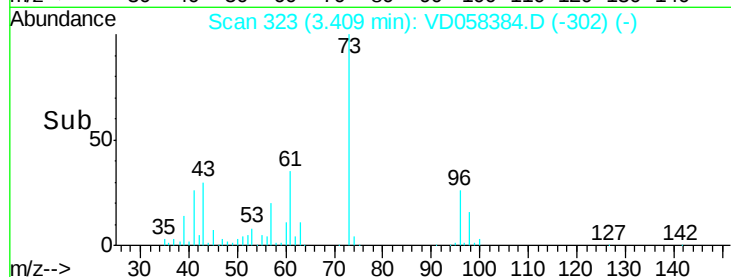
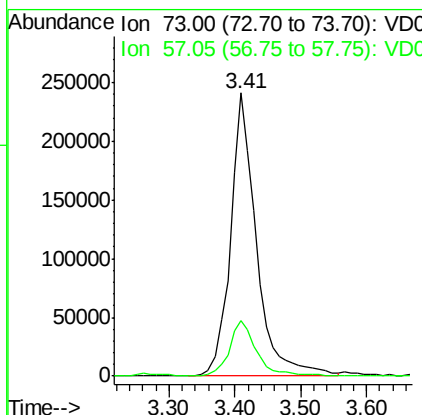
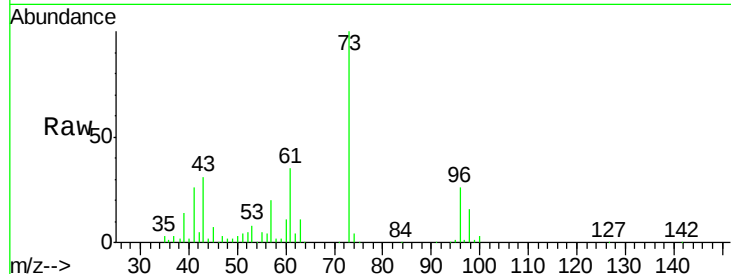




#19
Methvl tert-butvl Ether
Concen: 88.969 ug/l
RT: 3.41 min Scan# 323
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

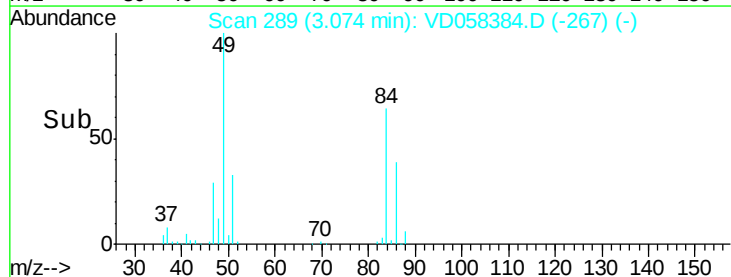
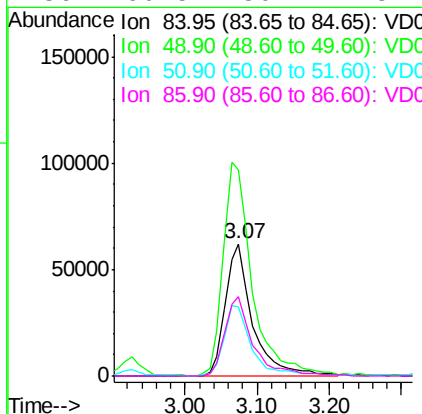
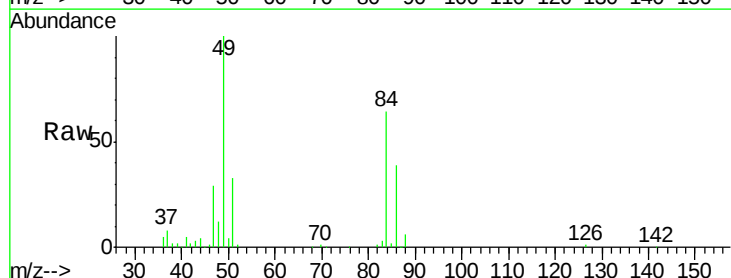
Instrument :
MSVOA_D
ClientSampled :

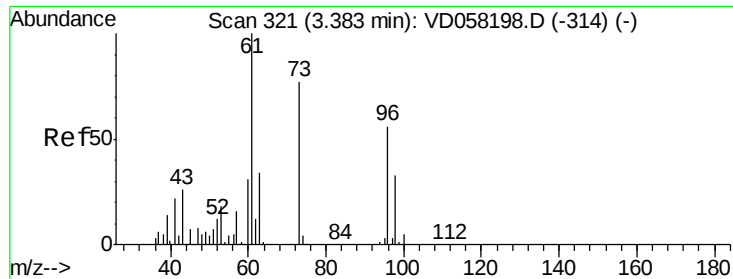
Tot Ion: 73 Resp: 664386
Ion Ratio Lower Upper
73 100
57 19.6 16.6 24.8



#20
Methylene Chloride
Concen: 55.578 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.02 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Tgt Ion: 84 Resp: 162677
Ion Ratio Lower Upper
84 100
49 156.7 145.0 217.6
51 52.0 42.9 64.3
86 60.5 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 72.198 ug/l

RT: 3.40 min Scan# 322

Delta R.T. 0.02 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

ClientSampleId :

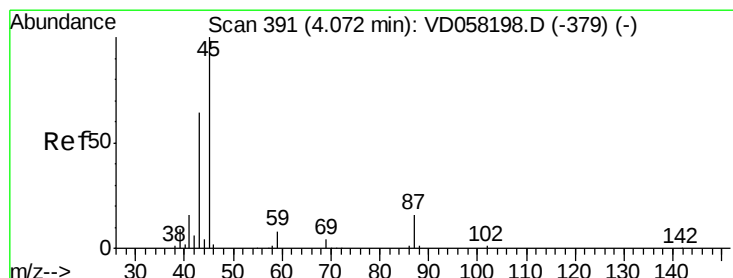
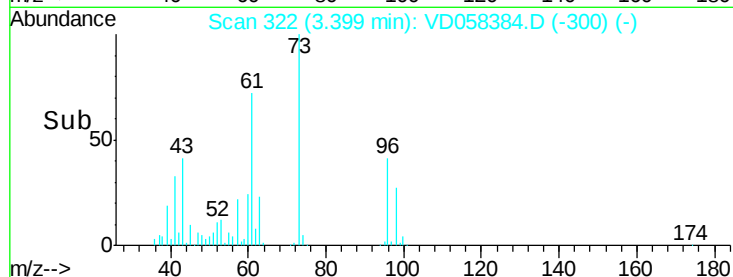
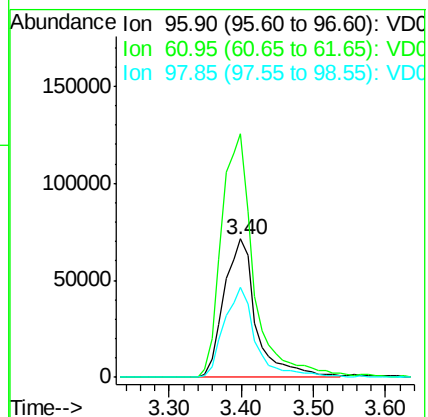
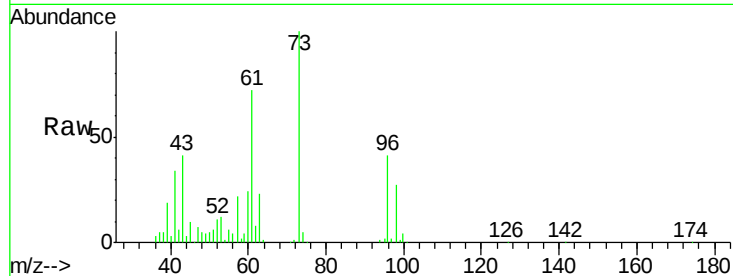
Tot Ion: 96 Resp: 222157

Ion Ratio Lower Upper

96 100

61 175.7 143.8 215.6

98 65.1 48.0 72.0



#22

Diisopropyl ether

Concen: 47.677 ug/l

RT: 4.08 min Scan# 391

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Tgt Ion: 45 Resp: 1240835

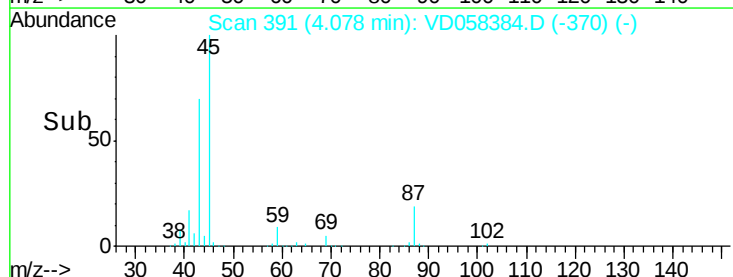
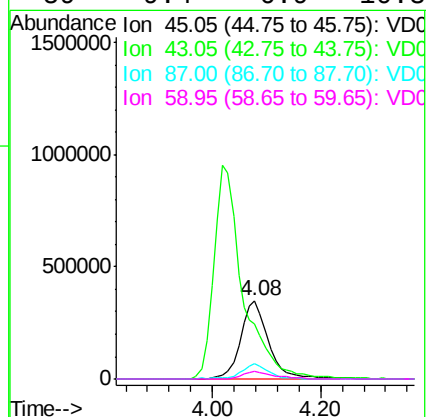
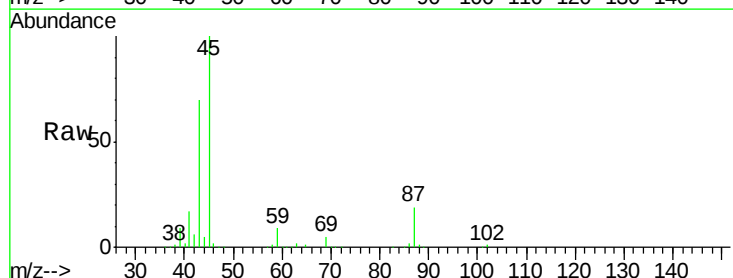
Ion Ratio Lower Upper

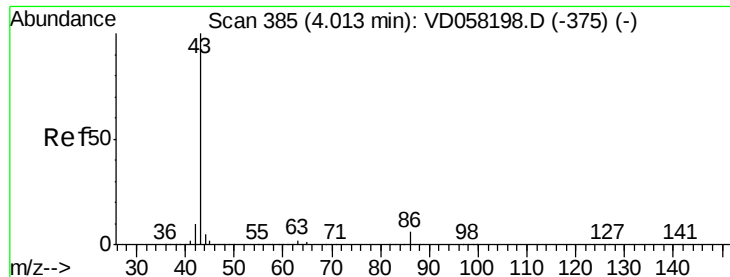
45 100

43 70.3 51.4 77.0

87 19.0 13.0 19.4

59 9.4 6.9 10.3





#23

Vinyl Acetate

Concen: 251.226 ug/l

RT: 4.02 min Scan# 385

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

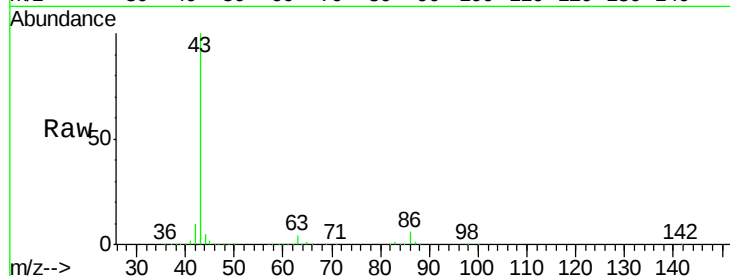
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3504988

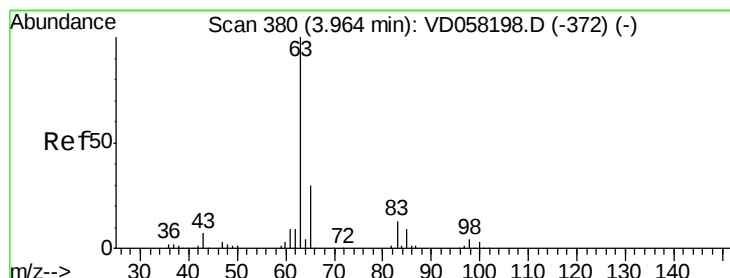
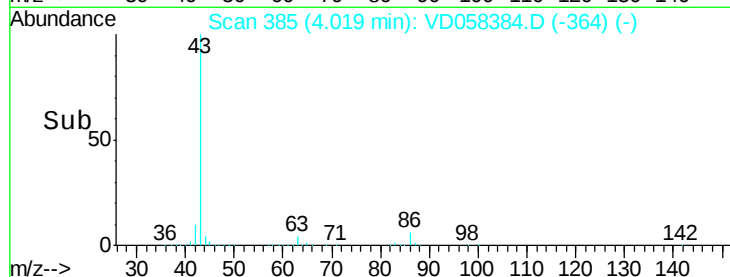
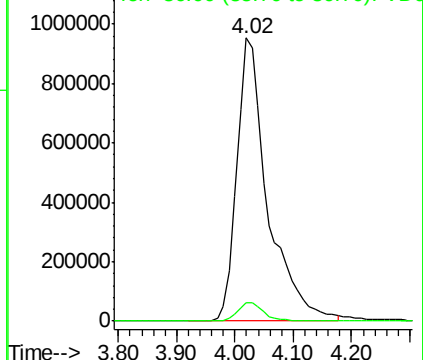
Ion Ratio Lower Upper

43 100

86 6.4 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.109 ug/l

RT: 3.98 min Scan# 381

Delta R.T. 0.02 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

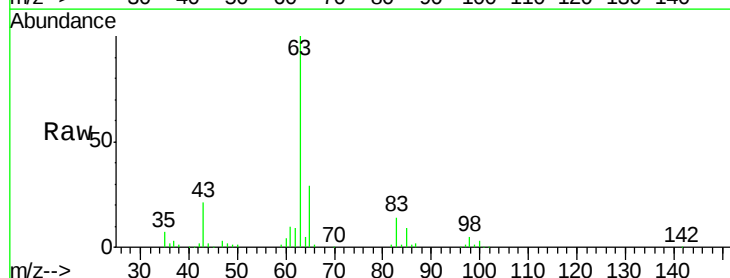
Tgt Ion: 63 Resp: 702592

Ion Ratio Lower Upper

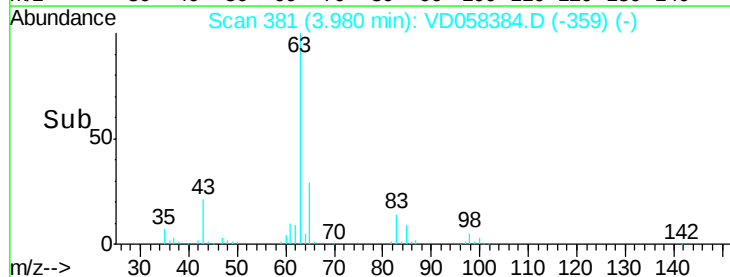
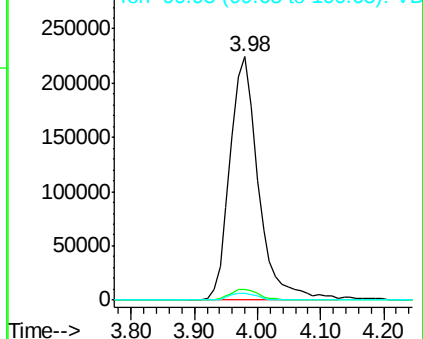
63 100

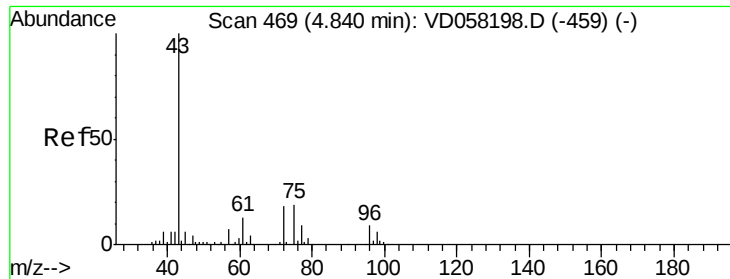
98 4.6 1.9 5.7

100 3.1 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 252.513 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

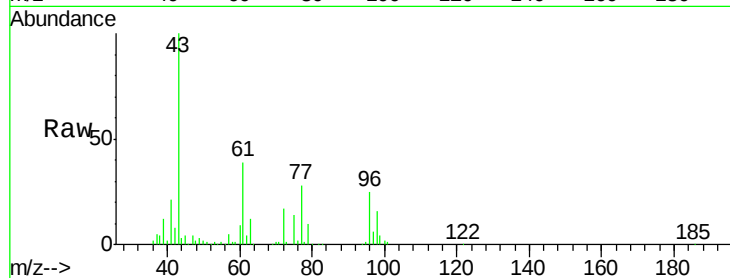
ClientSampleId :

Tot Ion: 43 Resp: 623026

Ion Ratio Lower Upper

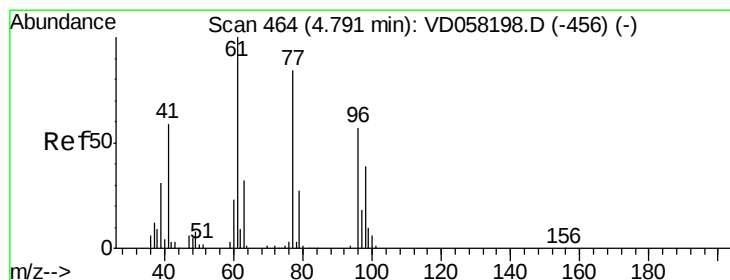
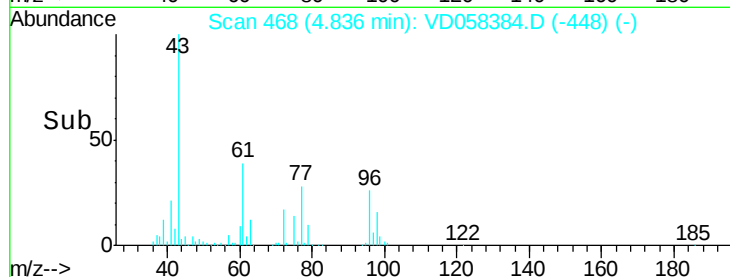
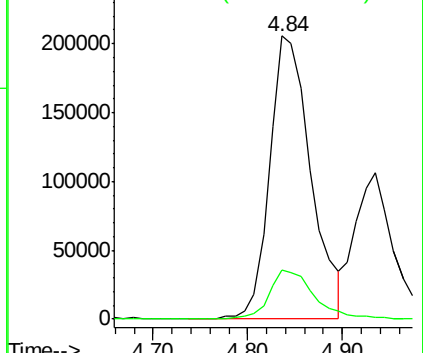
43 100

72 17.4 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.949 ug/l

RT: 4.81 min Scan# 465

Delta R.T. 0.02 min

Lab File: VD058384.D

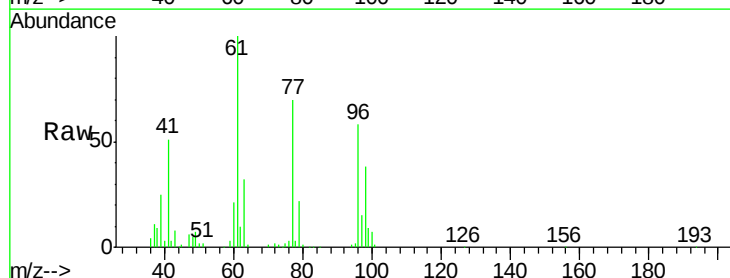
Acq: 24 Jun 2018 21:04

Tgt Ion: 77 Resp: 562954

Ion Ratio Lower Upper

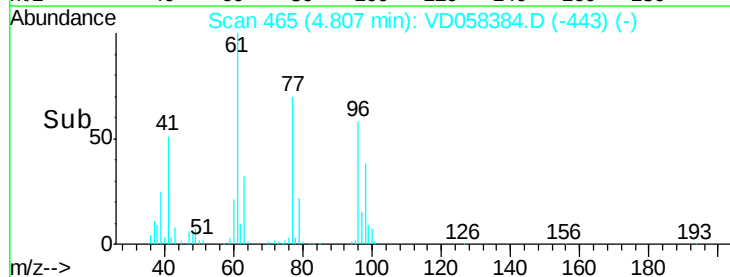
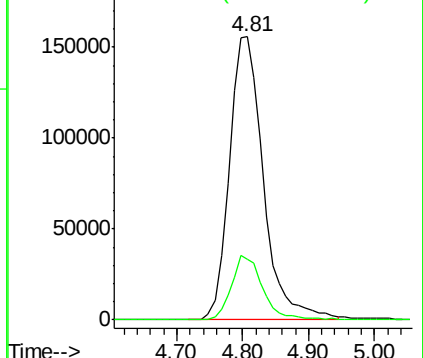
77 100

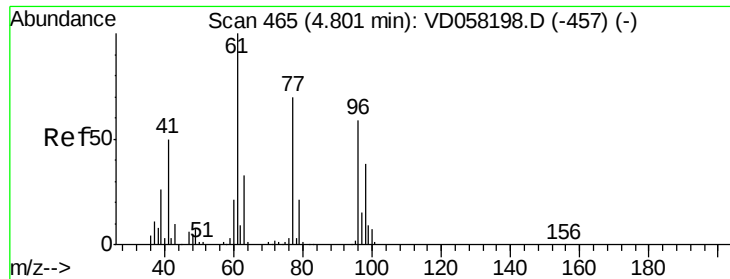
97 21.6 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



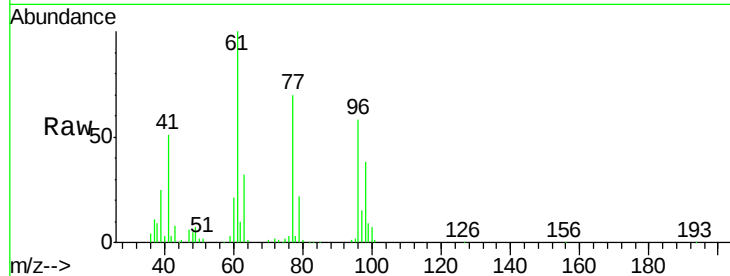


#27

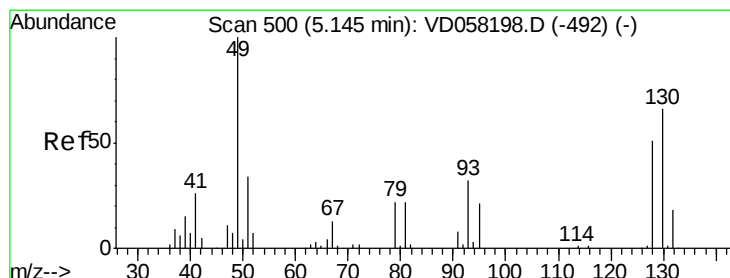
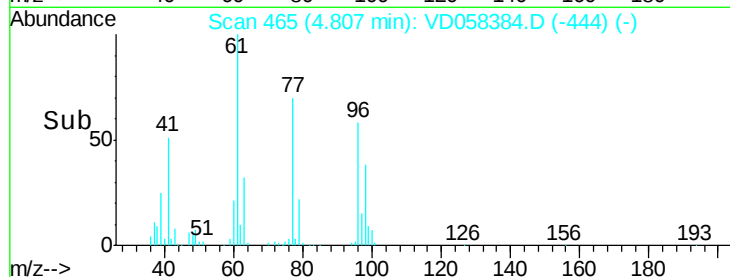
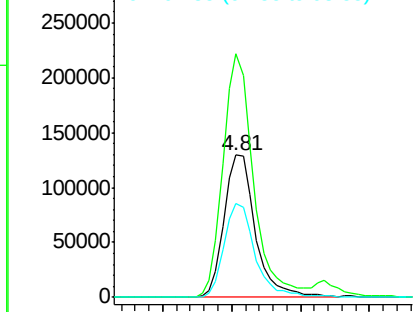
cis-1,2-Dichloroethene
Concen: 53.181 ug/l
RT: 4.81 min Scan# 465
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 408923
Ion Ratio Lower Upper
96 100
61 171.4 0.0 338.6
98 65.8 0.0 130.2



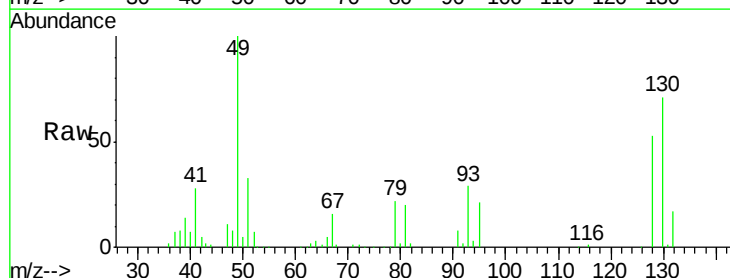
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



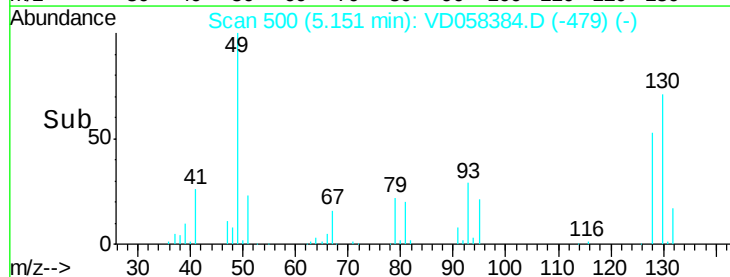
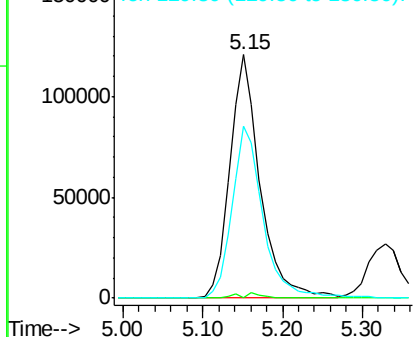
#28

Bromochloromethane
Concen: 50.799 ug/l
RT: 5.15 min Scan# 500
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Tgt Ion: 49 Resp: 319294
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 70.8 52.6 79.0



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

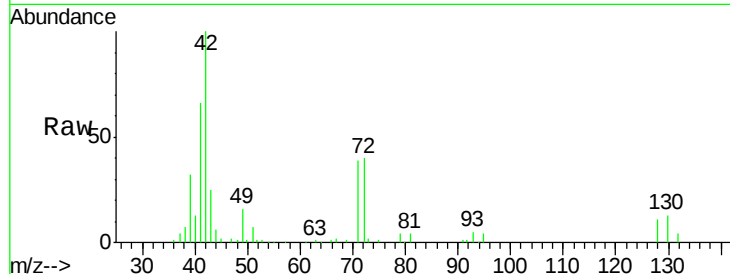




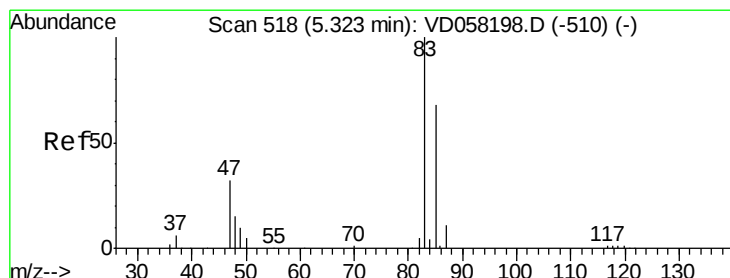
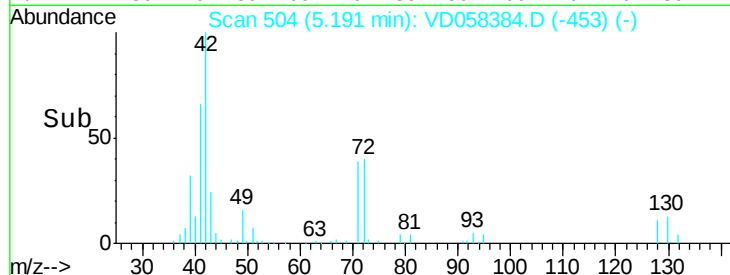
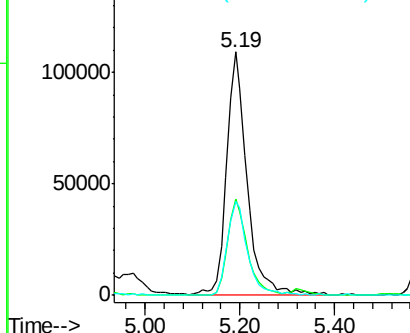
#29
Tetrahydrofuran
Concen: 250.442 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.2	45.2
71	37.8	30.1	45.1

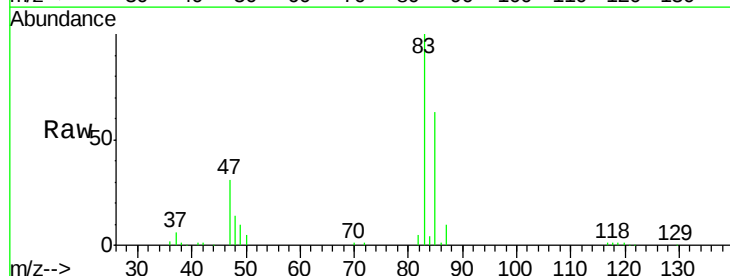


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

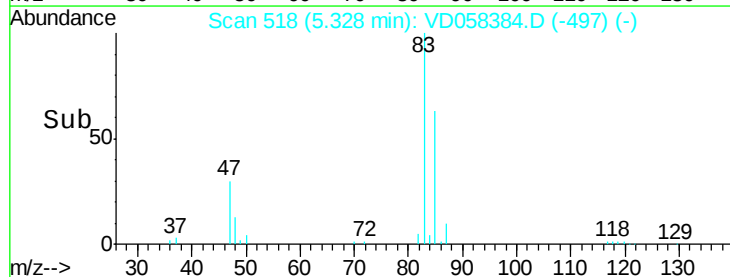
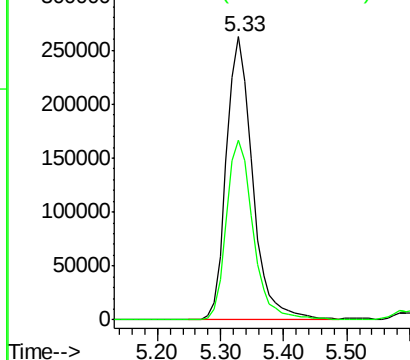


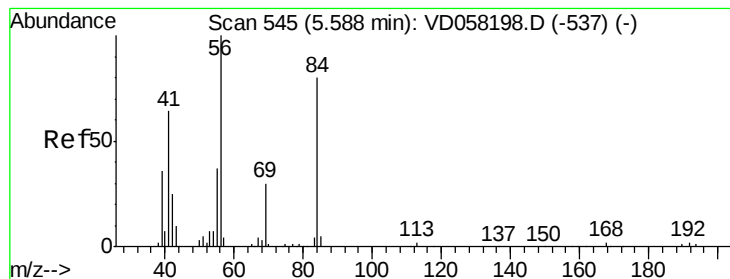
#30
Chloroform
Concen: 51.206 ug/l
RT: 5.33 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	54.8	82.2



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





#31

Cyclohexane

Concen: 49.325 ug/l

RT: 5.59 min Scan# 545

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :
MSVOA_D
ClientSampled :

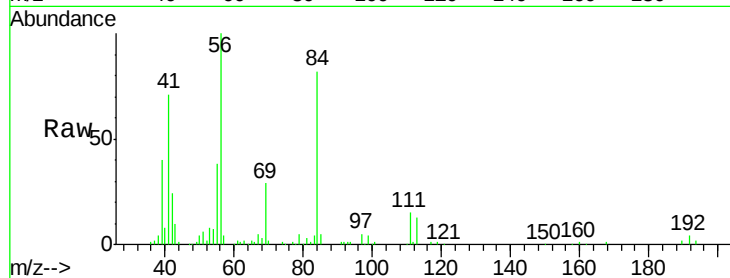
Tot Ion: 56 Resp: 502850

Ion Ratio Lower Upper

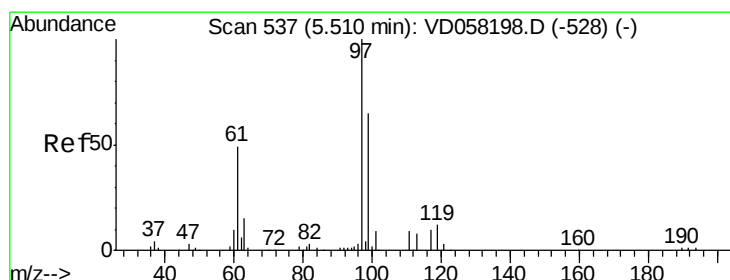
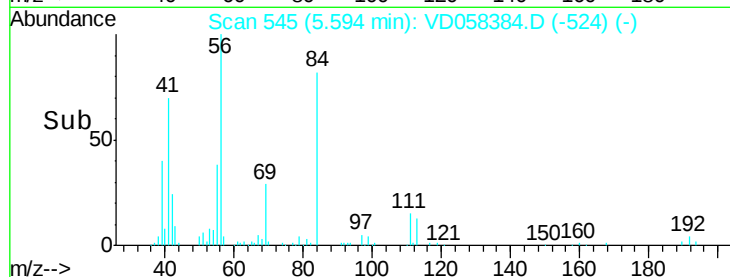
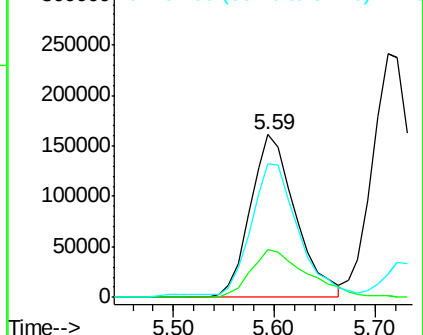
56 100

69 29.3 23.6 35.4

84 82.3 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 54.222 ug/l

RT: 5.52 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

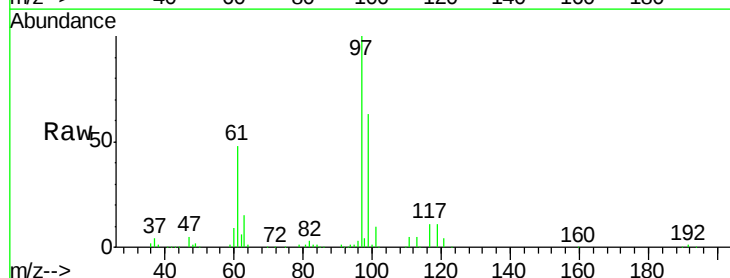
Tgt Ion: 97 Resp: 663153

Ion Ratio Lower Upper

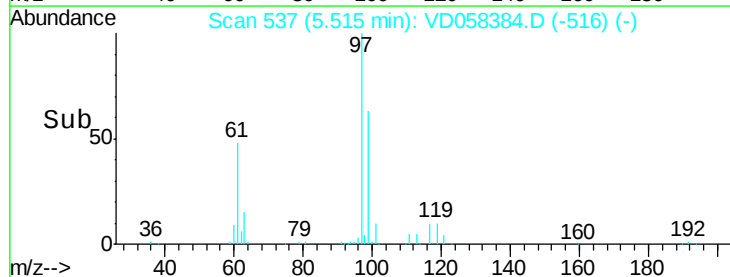
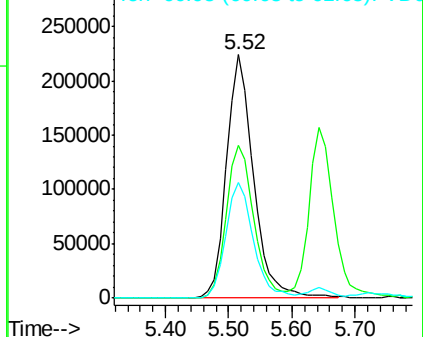
97 100

99 63.0 52.2 78.4

61 47.6 39.0 58.4



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





#33

1,2-Dichloroethane-d4

Concen: 54.222 ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.02 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

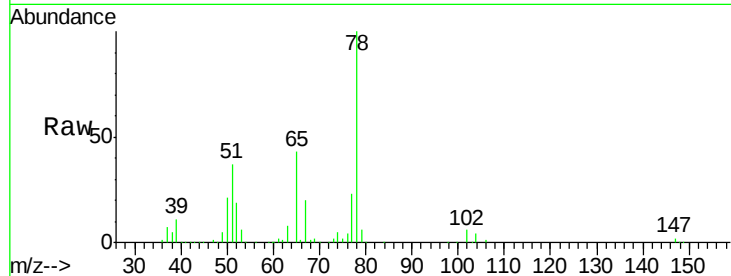
ClientSampleId :

Tot Ion: 65 Resp: 456421

Ion Ratio Lower Upper

65 100

67 46.0 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.03

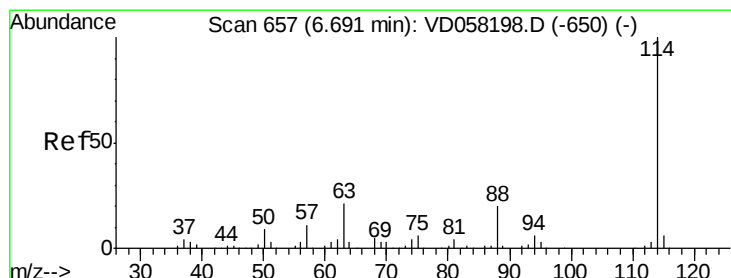
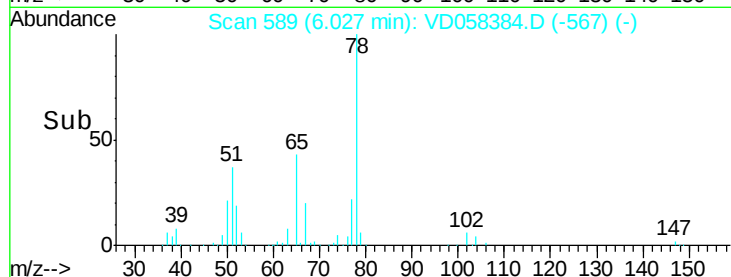
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 657

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

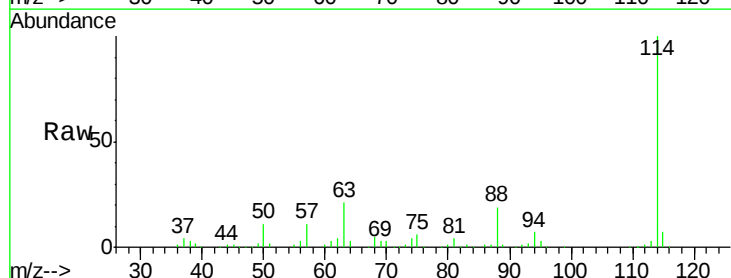
Tgt Ion: 114 Resp: 1081367

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

88 19.2 0.0 40.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

6.70

500000

400000

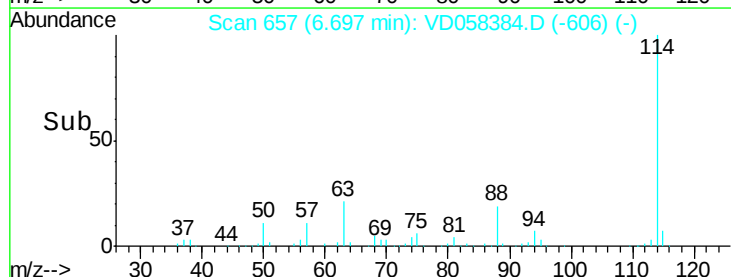
300000

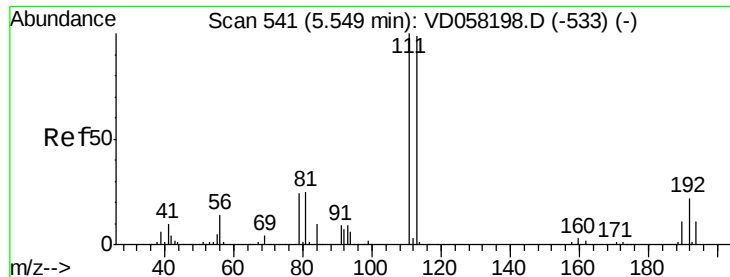
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

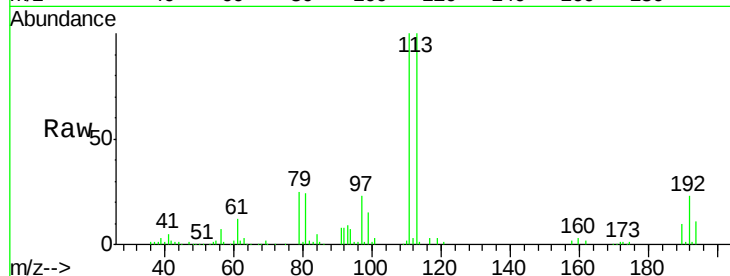
Delta R.T. 0.01 min

Lab File: VD058384.D

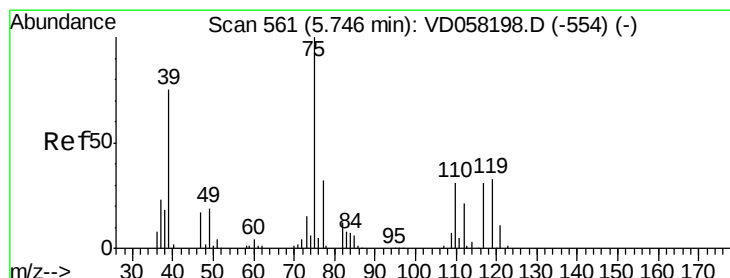
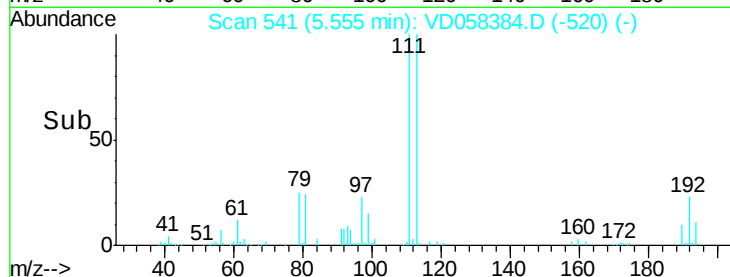
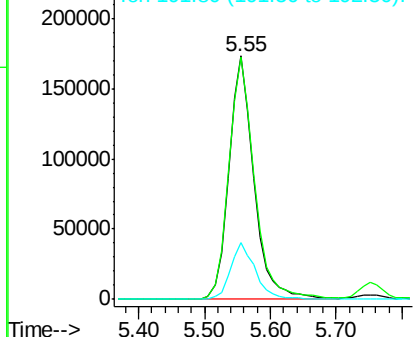
Acq: 24 Jun 2018 21:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113	Resp:	461487
Ion	Ratio	Lower Upper
113	100	
111	99.7	80.6 121.0
192	23.1	17.8 26.6



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



#36

1,1-Dichloropropene

Concen: 48.216 ug/l

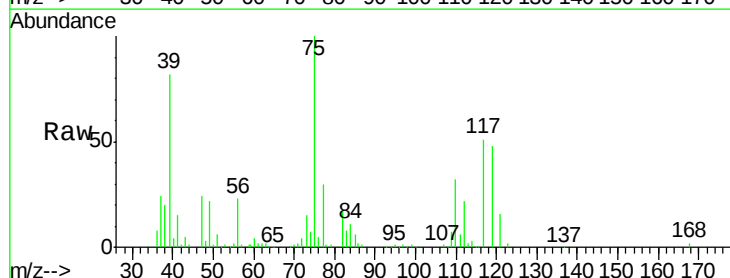
RT: 5.75 min Scan# 561

Delta R.T. 0.01 min

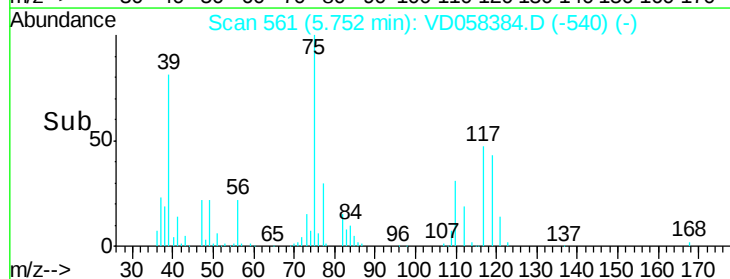
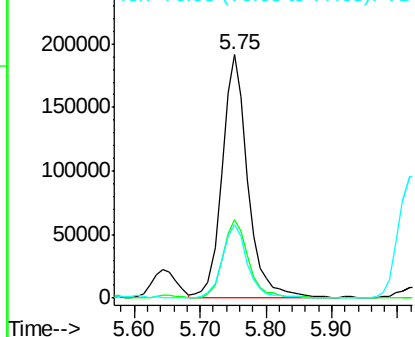
Lab File: VD058384.D

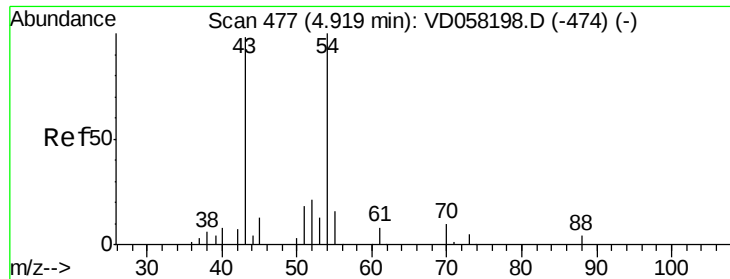
Acq: 24 Jun 2018 21:04

Tgt Ion: 75	Resp:	515790
Ion	Ratio	Lower Upper
75	100	
110	32.3	15.4 46.4
77	30.0	25.4 38.2



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

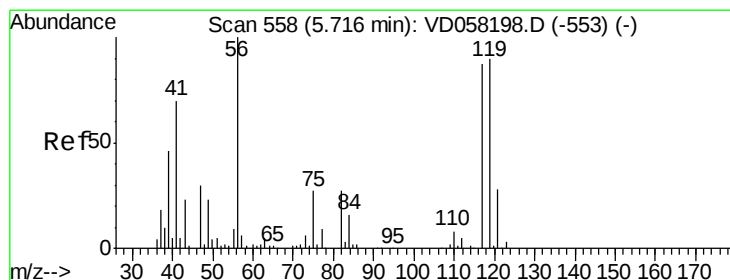
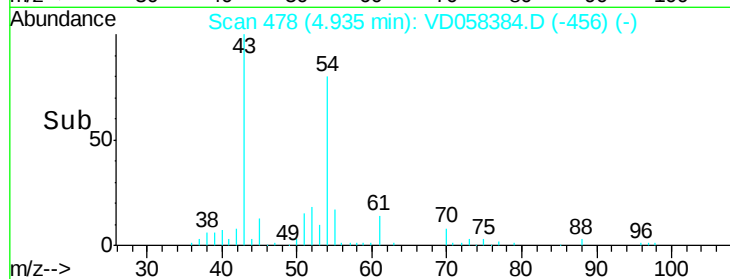
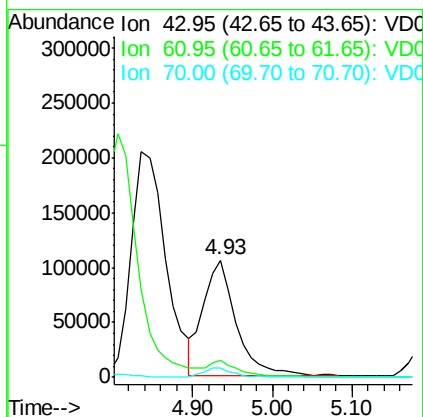
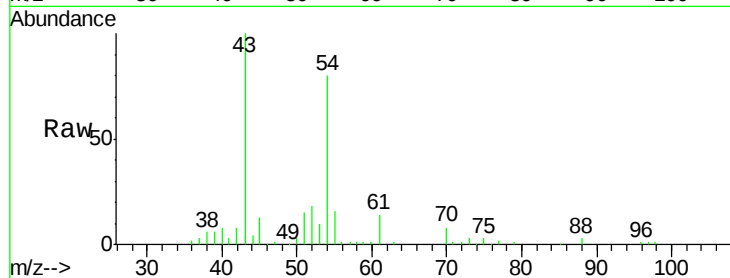




#37
Ethyl Acetate
Concen: 50.058 ug/l
RT: 4.93 min Scan# 478
Delta R.T. 0.02 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

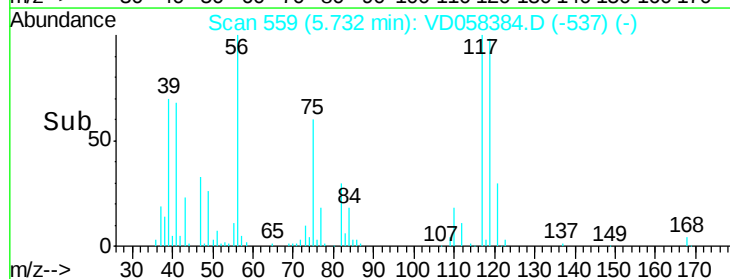
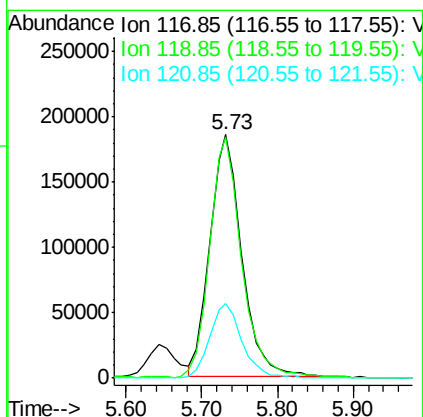
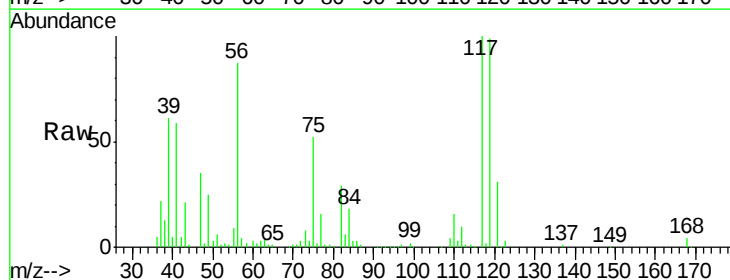
Instrument :
MSVOA_D
ClientSampled :

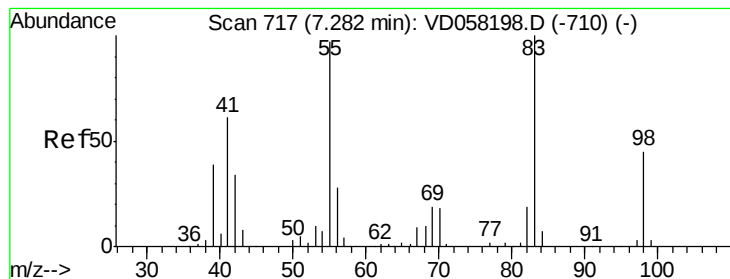
Tot Ion: 43 Resp: 305108
Ion Ratio Lower Upper
43 100
61 14.3 10.3 15.5
70 8.0 5.7 8.5



#38
Carbon Tetrachloride
Concen: 51.234 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.02 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Tgt Ion: 117 Resp: 544579
Ion Ratio Lower Upper
117 100
119 99.0 78.8 118.2
121 30.7 25.0 37.6





#39

Methvlcvclohexane

Concen: 46.243 ug/l

RT: 7.29 min Scan# 717

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

ClientSampleId :

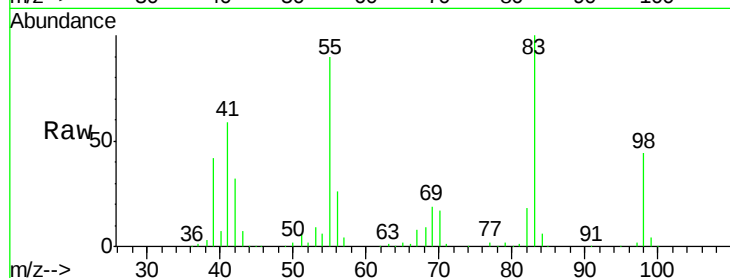
Tot Ion: 83 Resp: 481837

Ion Ratio Lower Upper

83 100

55 90.1 77.4 116.2

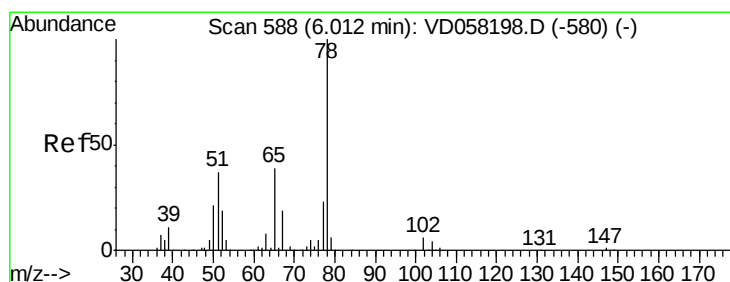
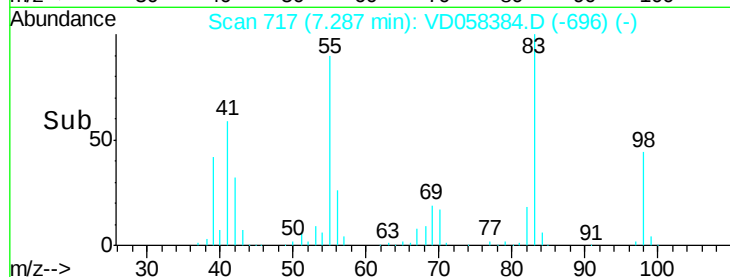
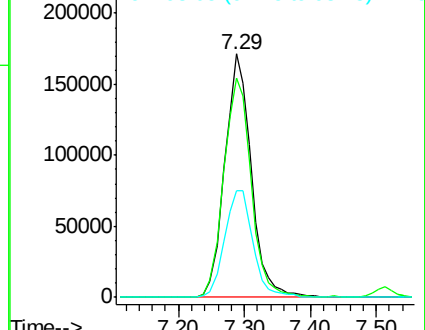
98 43.7 35.9 53.9



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: 47.826 ug/l

RT: 6.02 min Scan# 588

Delta R.T. 0.01 min

Lab File: VD058384.D

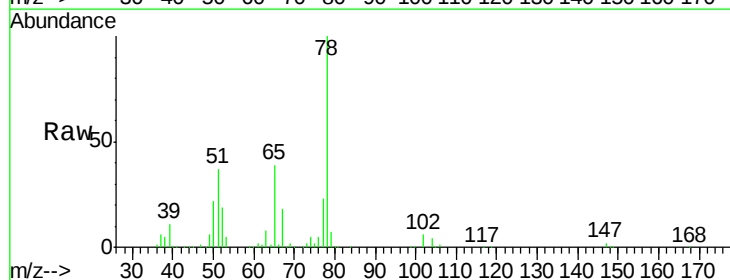
Acq: 24 Jun 2018 21:04

Tgt Ion: 78 Resp: 1218724

Ion Ratio Lower Upper

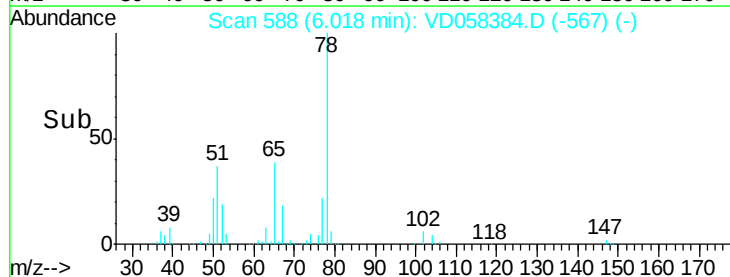
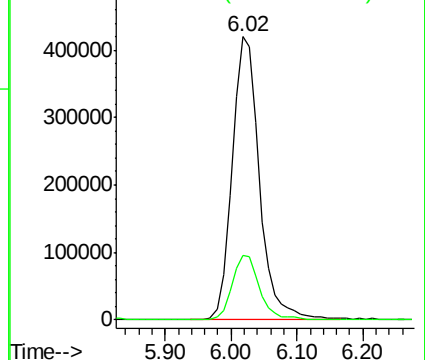
78 100

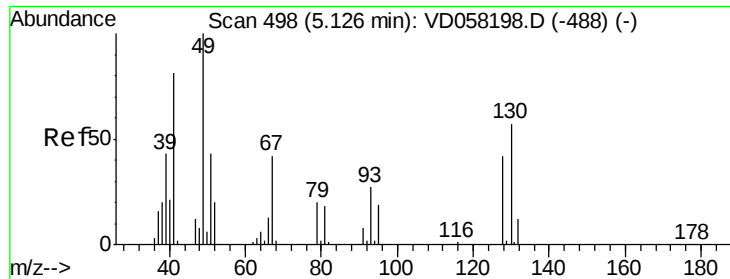
77 23.0 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

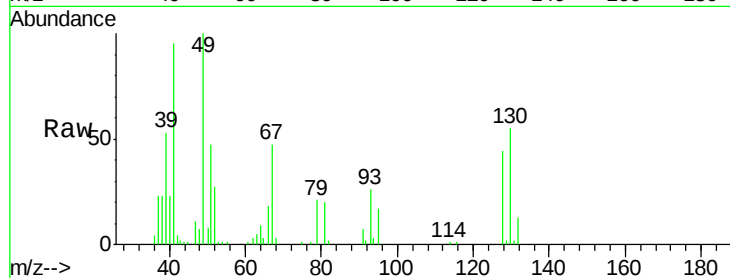




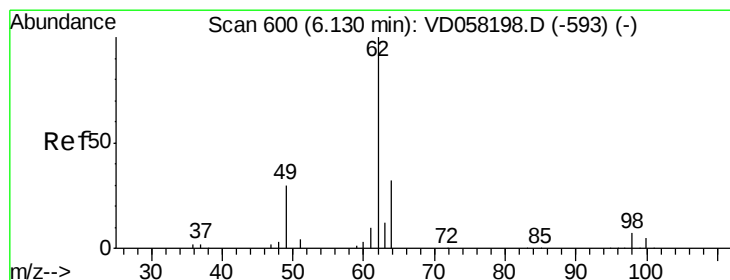
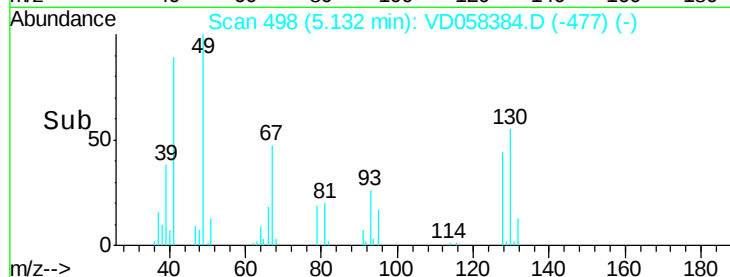
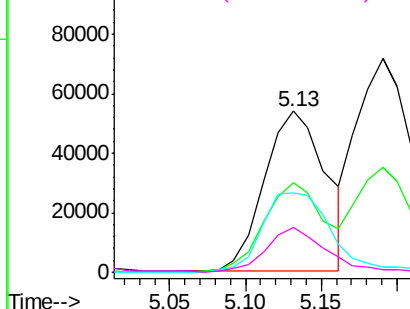
#41
Methacrylonitrile
Concen: 51.640 ug/l
RT: 5.13 min Scan# 498
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 151985
Ion Ratio Lower Upper
41 100
39 55.6 43.4 65.2
67 49.1 41.7 62.5
52 28.1 20.6 30.8

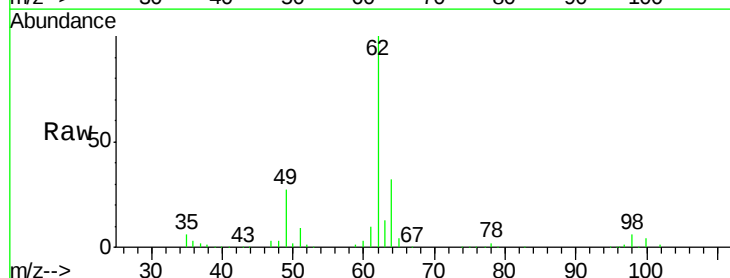


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

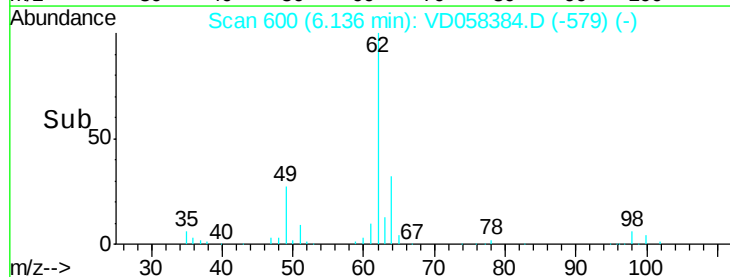
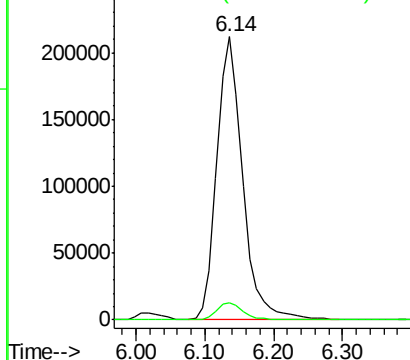


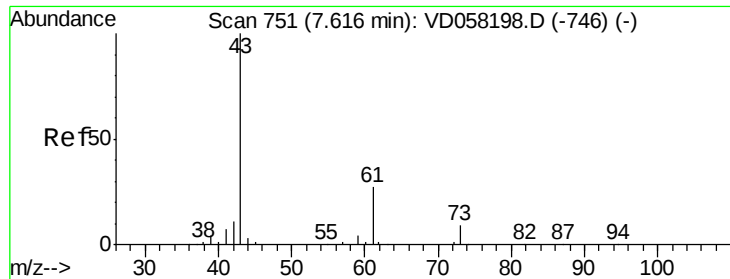
#42
1,2-Dichloroethane
Concen: 53.364 ug/l
RT: 6.14 min Scan# 600
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Tgt Ion: 62 Resp: 548315
Ion Ratio Lower Upper
62 100
98 6.2 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 49.434 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

ClientSampleId :

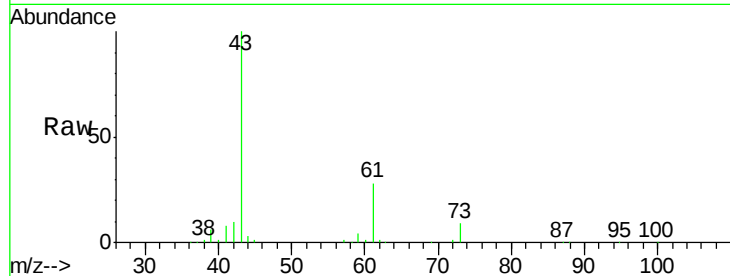
Tot Ion: 43 Resp: 401695

Ion Ratio Lower Upper

43 100

61 27.8 21.8 32.6

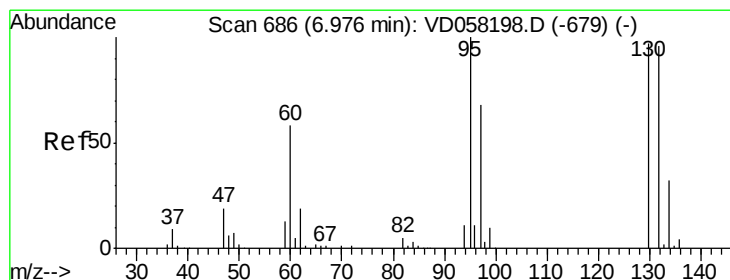
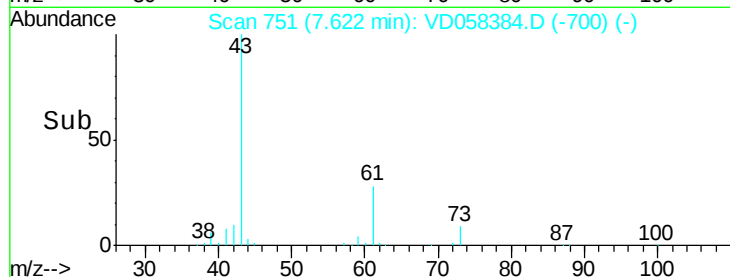
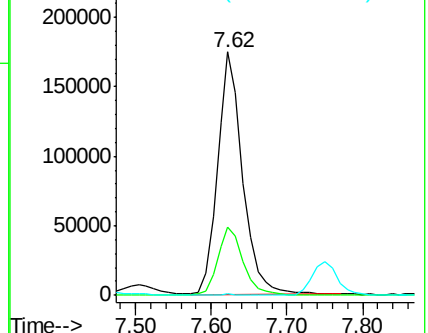
87 0.5 0.3 0.5



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: 52.813 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.01 min

Lab File: VD058384.D

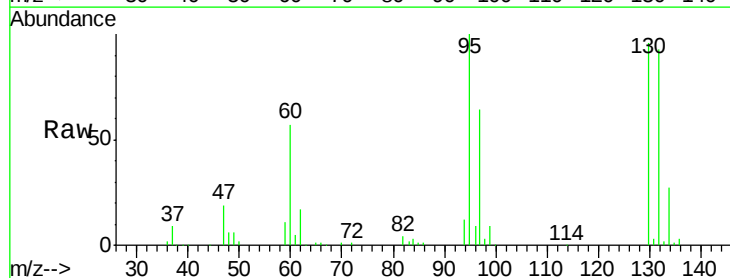
Acq: 24 Jun 2018 21:04

Tgt Ion:130 Resp: 404120

Ion Ratio Lower Upper

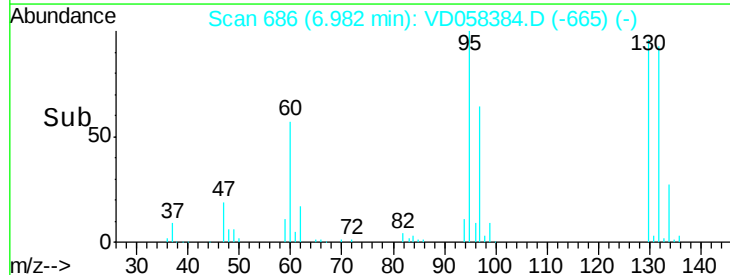
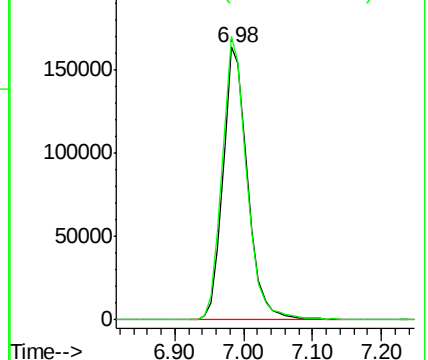
130 100

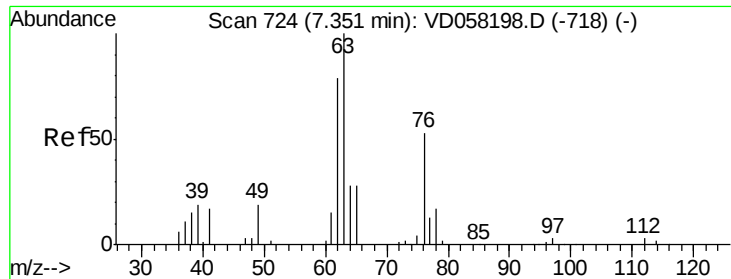
95 103.8 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

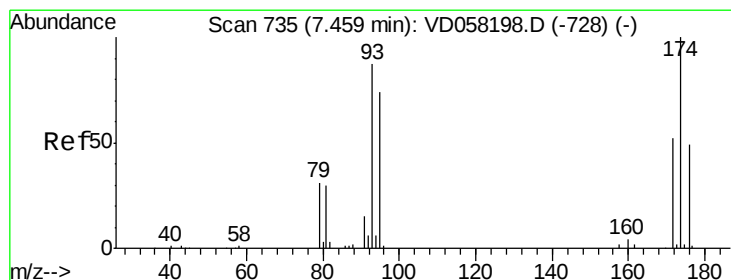
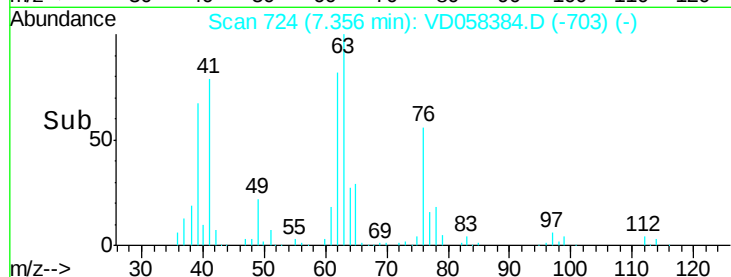
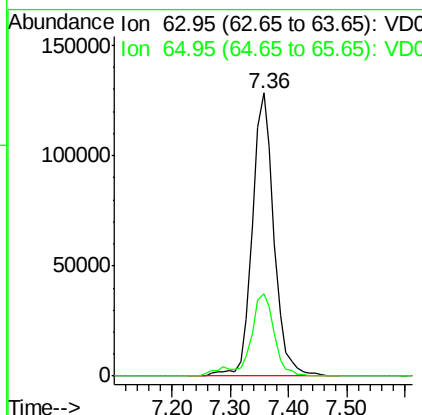
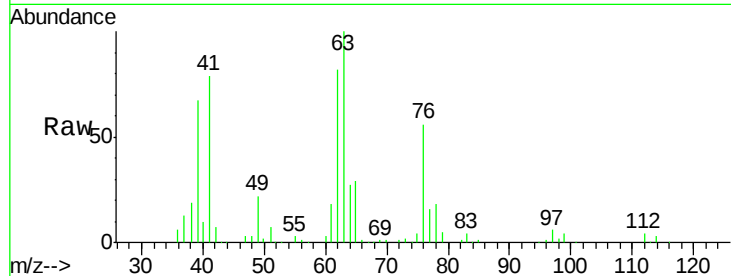




#45
 1,2-Dichloropropane
 Concen: 49.198 ug/l
 RT: 7.36 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

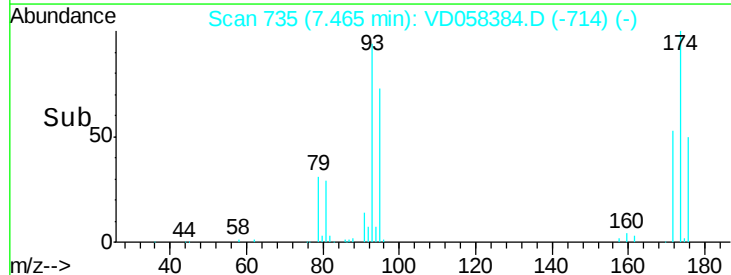
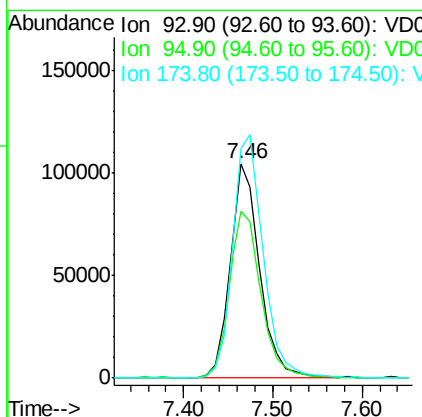
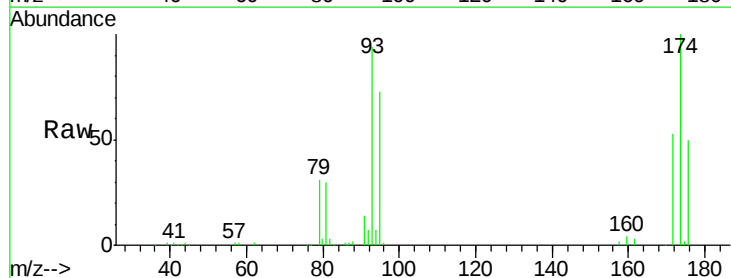
Instrument :
 MSVOA_D
 ClientSampled :

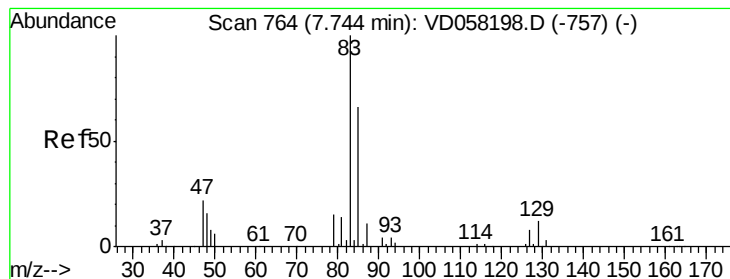
Tot Ion: 63 Resp: 337637
 Ion Ratio Lower Upper
 63 100
 65 28.9 24.0 36.0



#46
 Dibromomethane
 Concen: 51.567 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. 0.01 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

Tgt Ion: 93 Resp: 241588
 Ion Ratio Lower Upper
 93 100
 95 77.9 67.8 101.6
 174 106.9 92.2 138.2





#47

Bromodichloromethane

Concen: 53.440 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :
MSVOA_D
ClientSampleId :

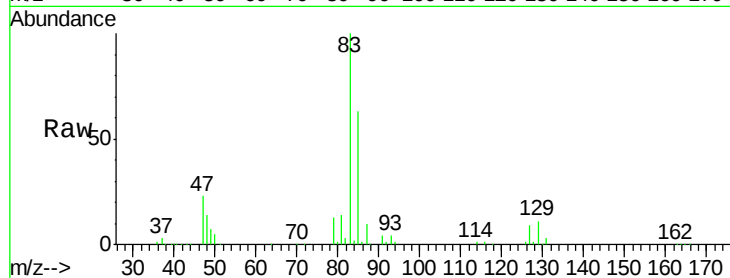
Tot Ion: 83 Resp: 570930

Ion Ratio Lower Upper

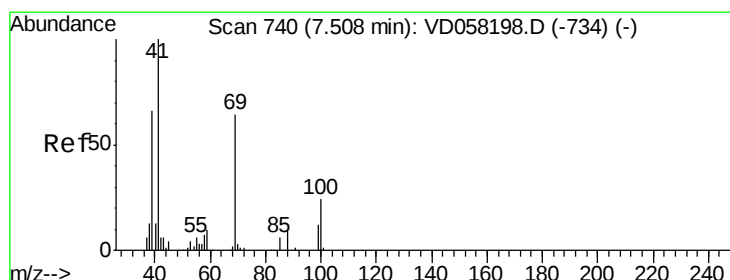
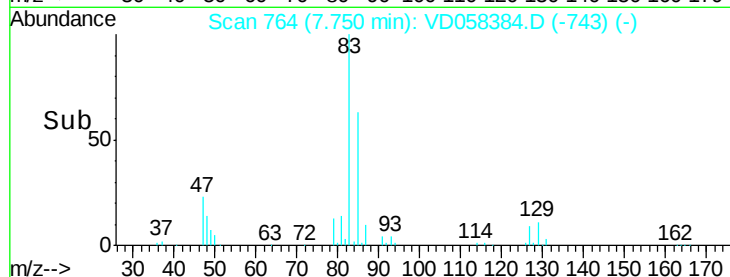
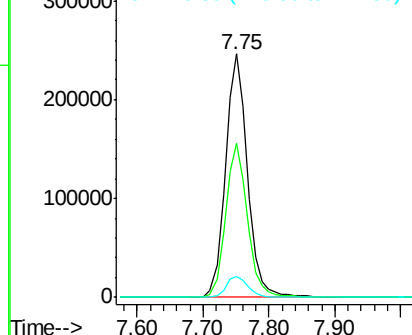
83 100

85 63.2 52.6 78.8

127 8.7 6.2 9.4



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: 51.912 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

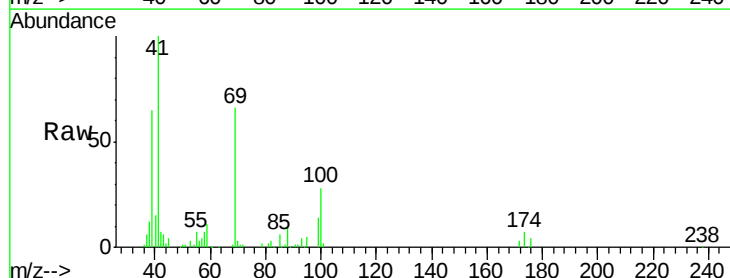
Tgt Ion: 41 Resp: 256380

Ion Ratio Lower Upper

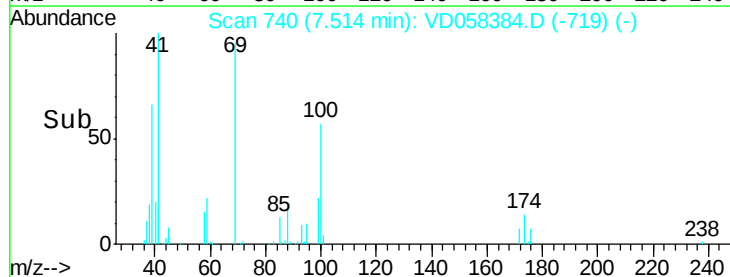
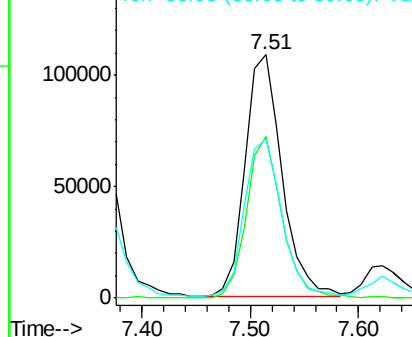
41 100

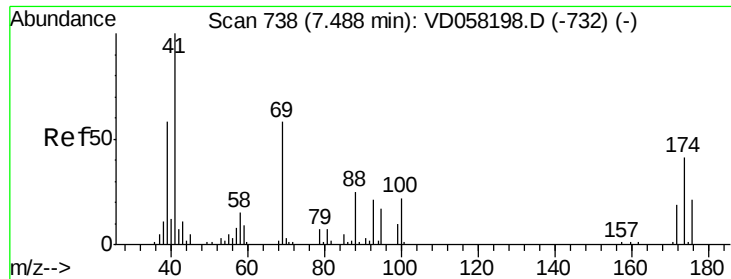
69 66.3 50.7 76.1

39 65.4 52.6 78.8



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

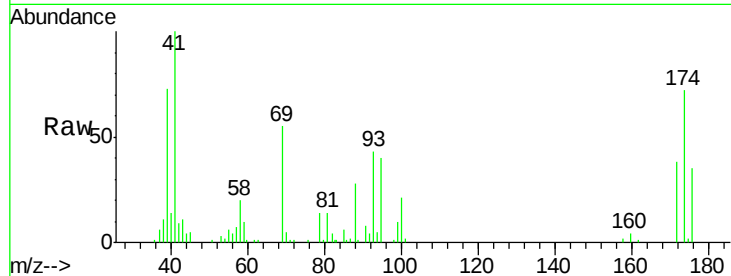




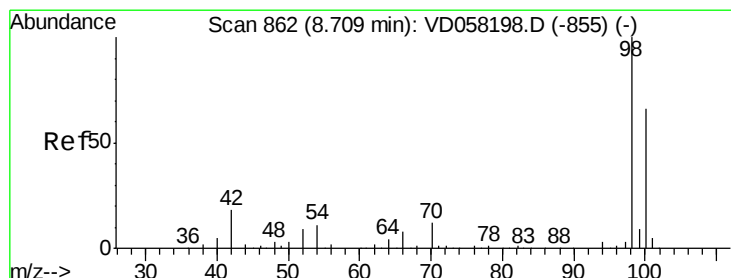
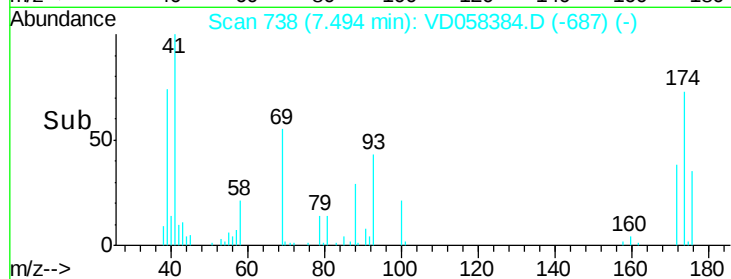
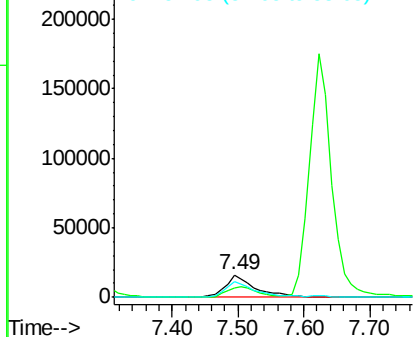
#49
1,4-Dioxane
Concen: 1164.044 ug/l
RT: 7.49 min Scan# 738
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 51894
Ion Ratio Lower Upper
88 100
43 39.8 34.2 51.2
58 71.4 47.9 71.9

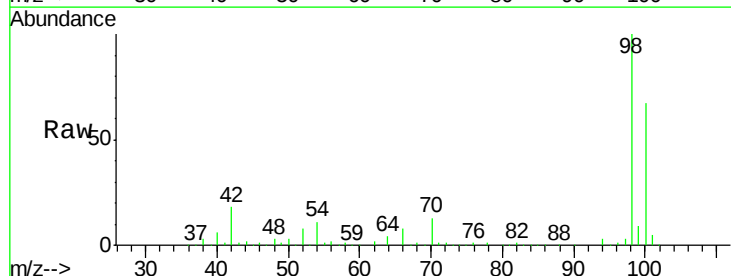


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

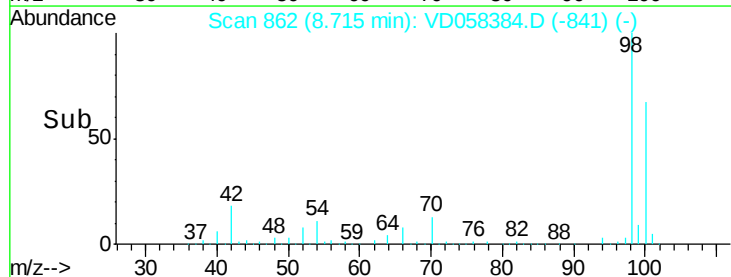
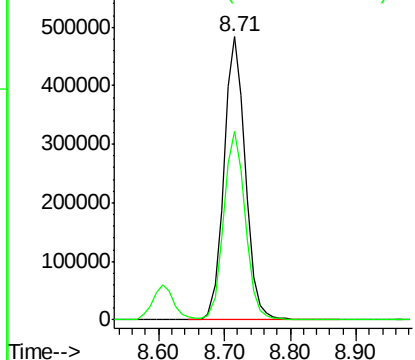


#50
Toluene-d8
Concen: 1164.044 ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Tgt Ion: 98 Resp: 1100806
Ion Ratio Lower Upper
98 100
100 66.6 53.6 80.4



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: 252.677 ug/l

RT: 8.61 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

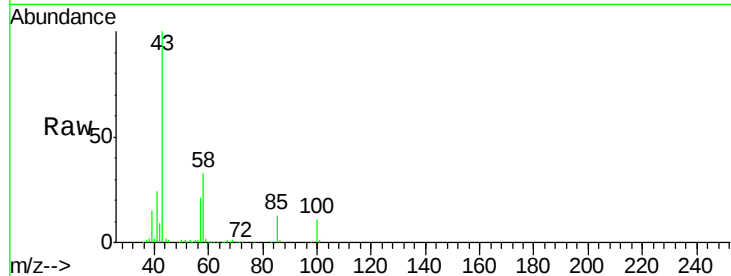
ClientSampleId :

Tot Ion: 43 Resp: 1339271

Ion Ratio Lower Upper

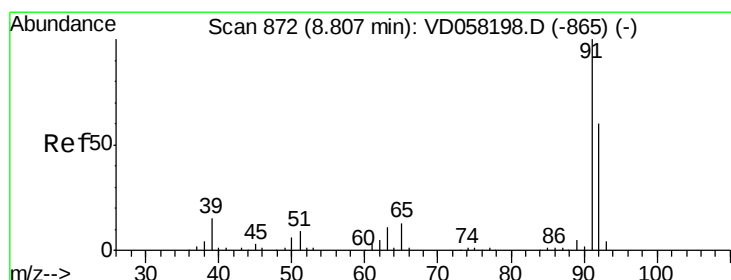
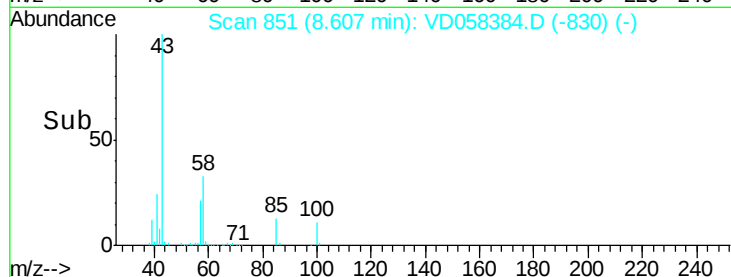
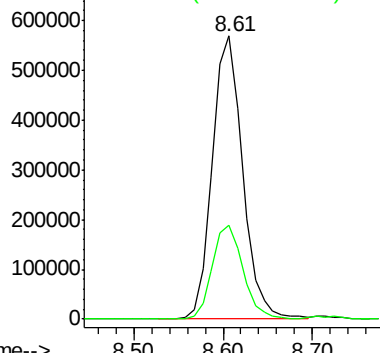
43 100

58 33.4 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 48.981 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD058384.D

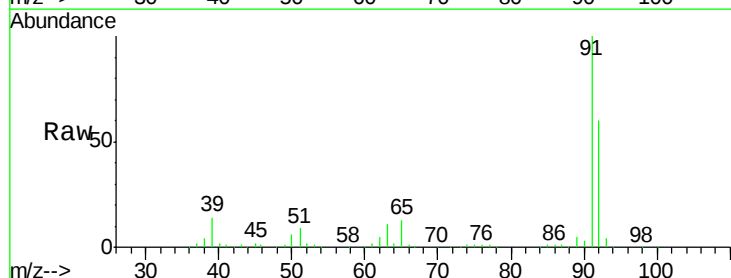
Acq: 24 Jun 2018 21:04

Tgt Ion: 92 Resp: 710722

Ion Ratio Lower Upper

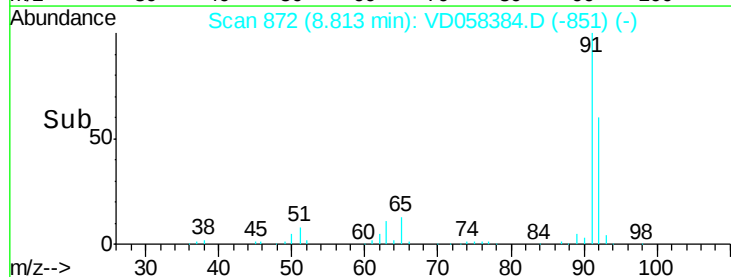
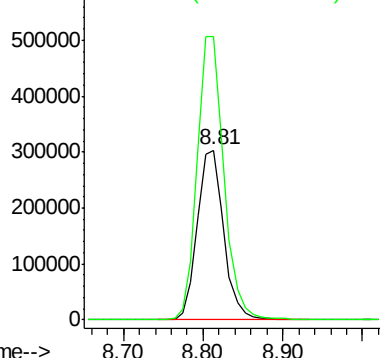
92 100

91 166.6 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

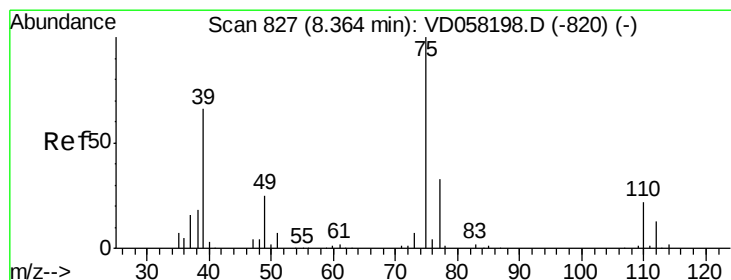
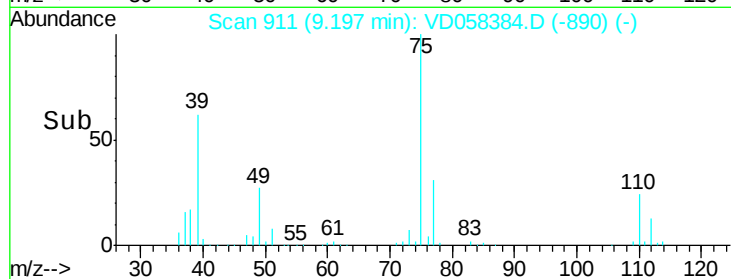
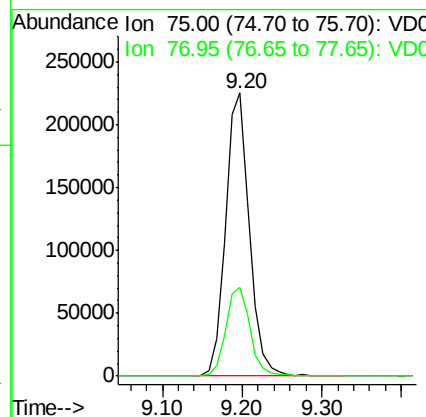
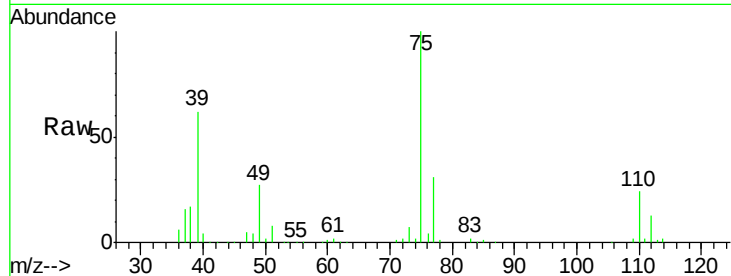




#53
 t-1,3-Dichloropropene
 Concen: 50.908 ug/l
 RT: 9.20 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

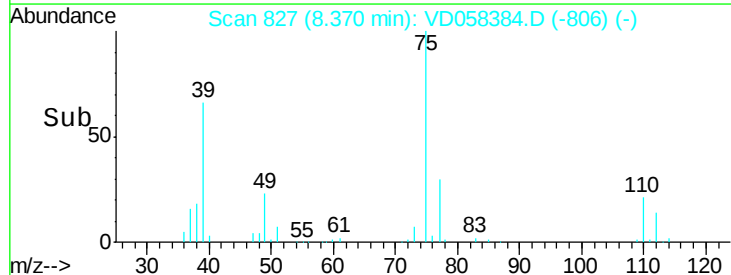
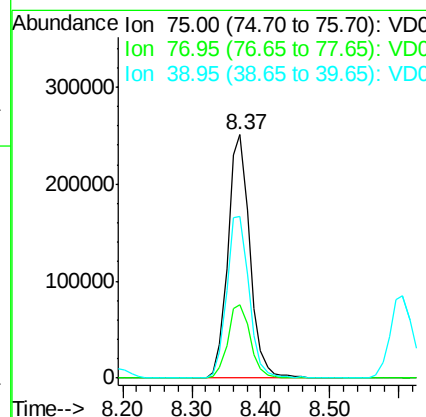
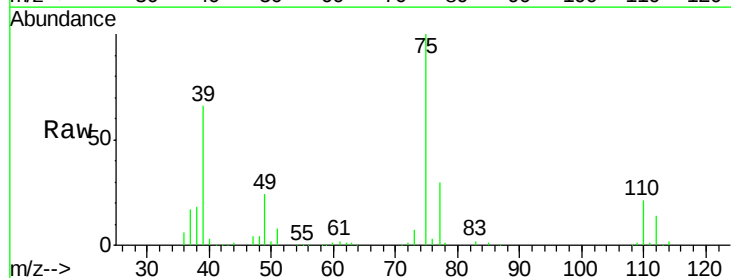
Instrument :
 MSVOA_D
 ClientSampleId :

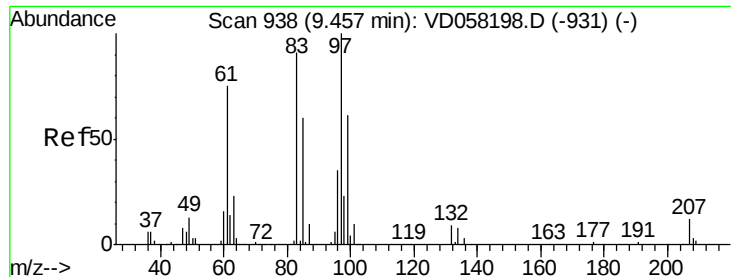
Tot Ion: 75 Resp: 472855
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.748 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. 0.01 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

Tgt Ion: 75 Resp: 552617
 Ion Ratio Lower Upper
 75 100
 77 30.4 26.5 39.7
 39 66.4 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 52.433 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 269174

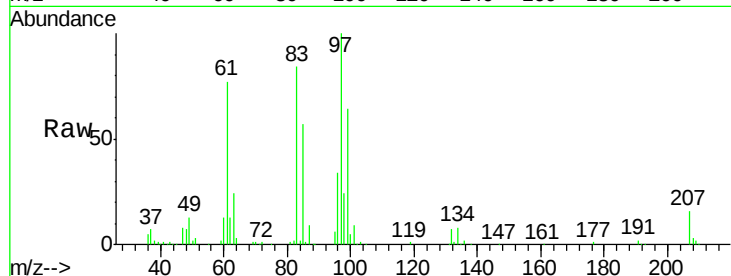
Ion	Ratio	Lower	Upper
97	100		
83	83.6	72.9	109.3
85	56.7	48.2	72.4
99	64.0	48.9	73.3

97 100

83 83.6 72.9 109.3

85 56.7 48.2 72.4

99 64.0 48.9 73.3

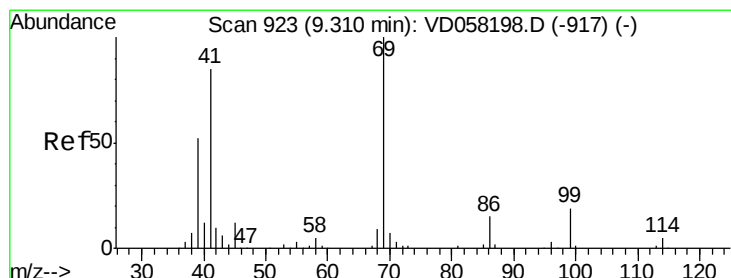
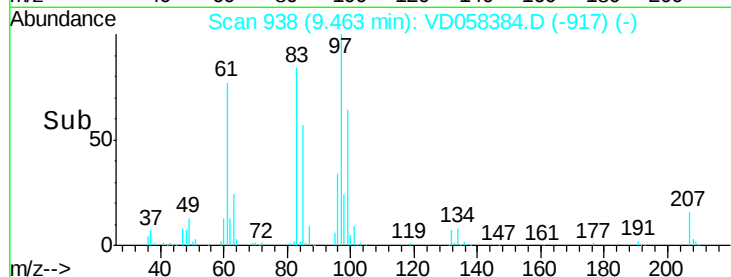
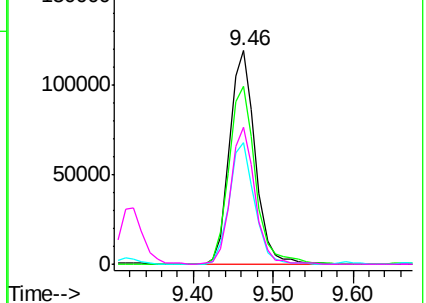


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 51.363 ug/l

RT: 9.32 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

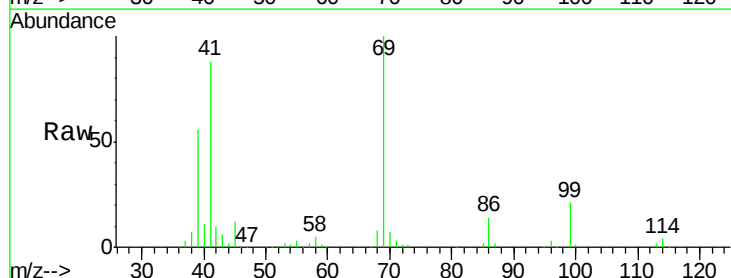
Tgt Ion: 69 Resp: 315348

Ion	Ratio	Lower	Upper
69	100		
41	87.5	67.6	101.4
39	55.8	42.2	63.2

69 100

41 87.5 67.6 101.4

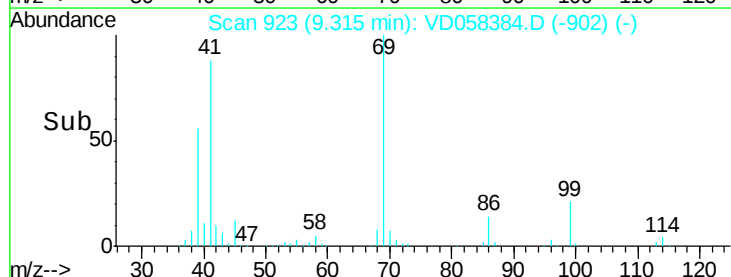
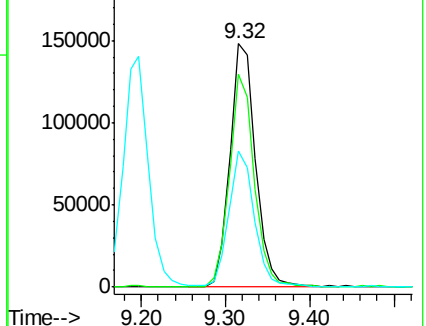
39 55.8 42.2 63.2

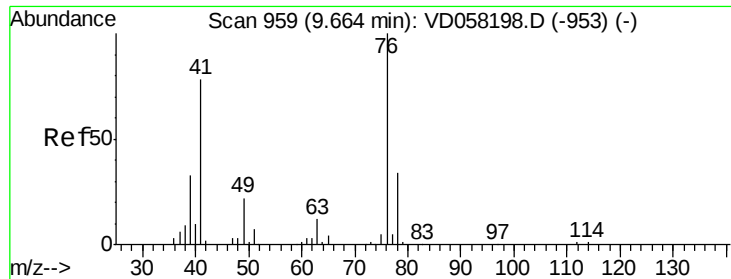


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

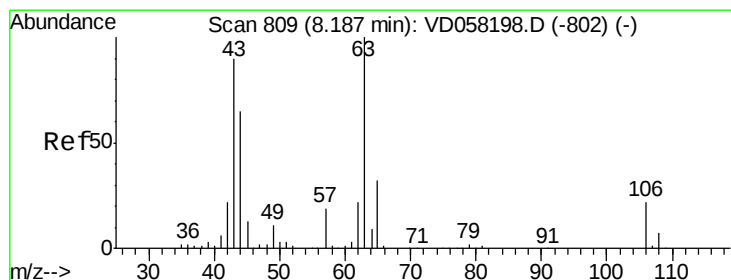
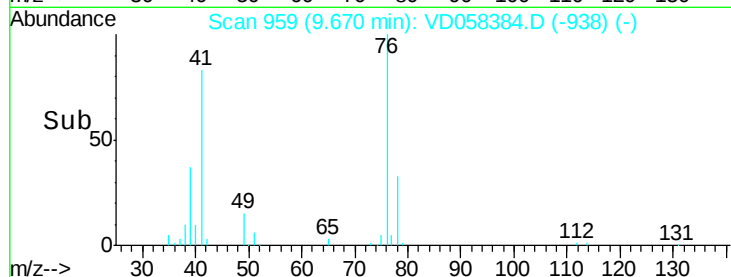
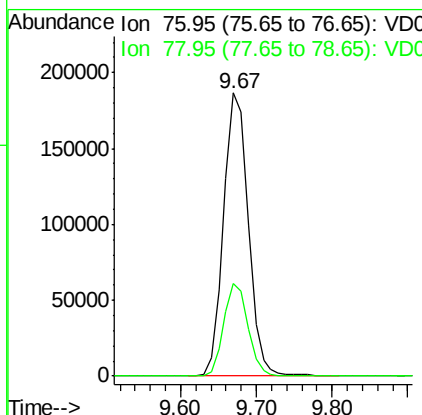
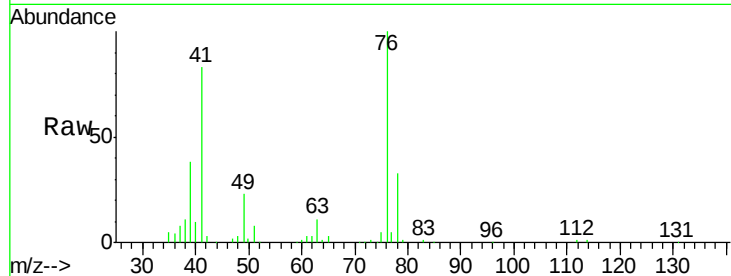




#57
 1,3-Dichloropropane
 Concen: 49.076 ug/l
 RT: 9.67 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

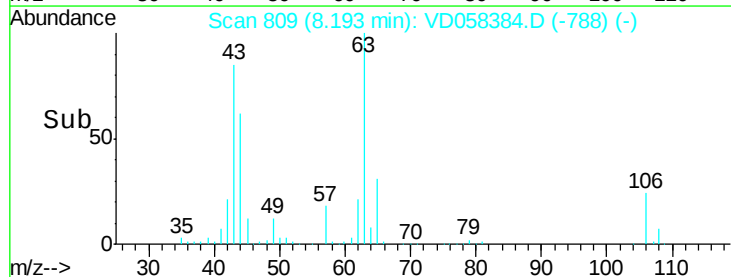
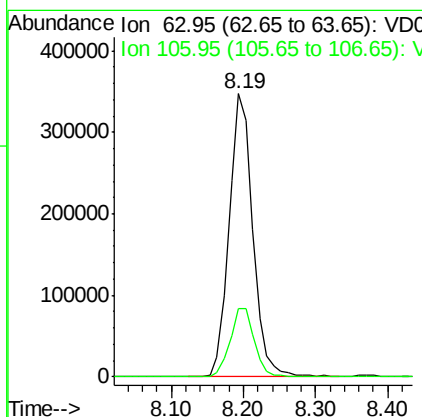
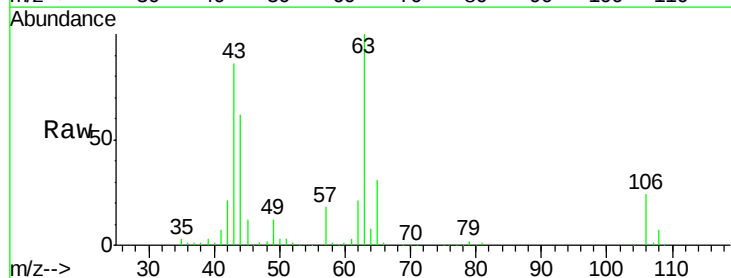
Instrument :
 MSVOA_D
 ClientSampled :

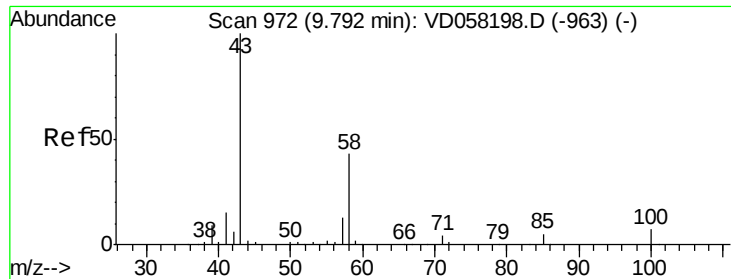
Tot Ion: 76 Resp: 424391
 Ion Ratio Lower Upper
 76 100
 78 32.7 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.038 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

Tgt Ion: 63 Resp: 793405
 Ion Ratio Lower Upper
 63 100
 106 24.1 18.0 27.0

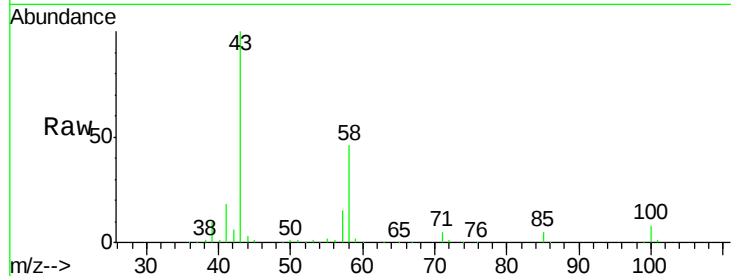




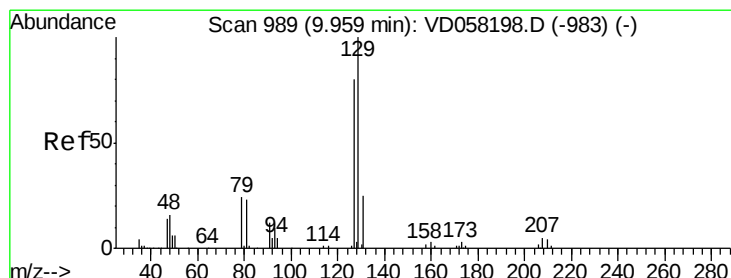
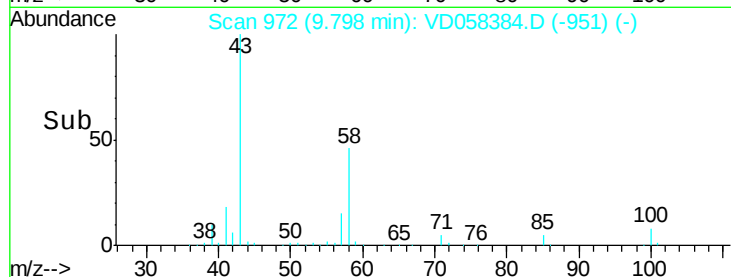
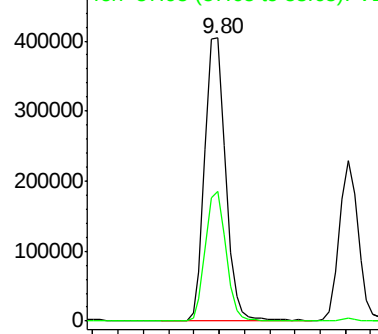
#59
2-Hexanone
Concen: 241.727 ug/l
RT: 9.80 min Scan# 972
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 925794
Ion Ratio Lower Upper
43 100
58 45.7 21.7 65.1

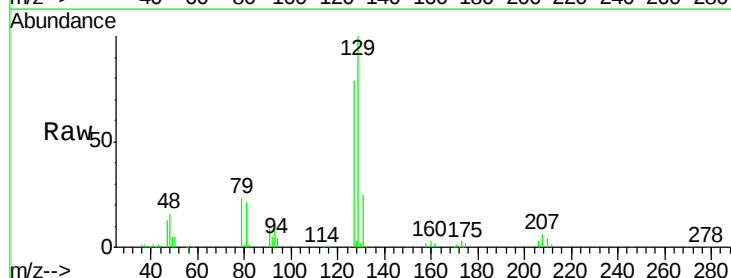


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

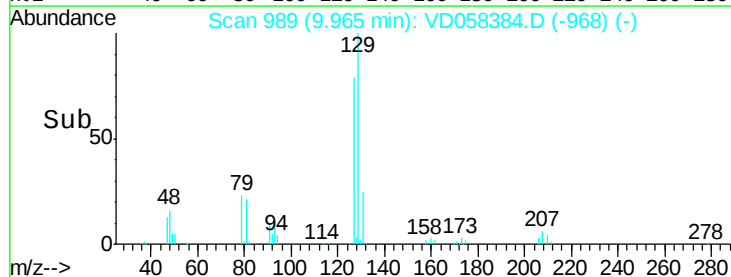
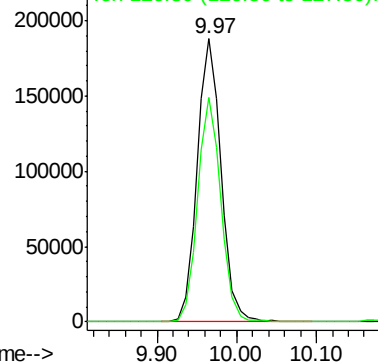


#60
Dibromochloromethane
Concen: 57.067 ug/l
RT: 9.97 min Scan# 989
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Tgt Ion: 129 Resp: 397587
Ion Ratio Lower Upper
129 100
127 79.4 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 53.272 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

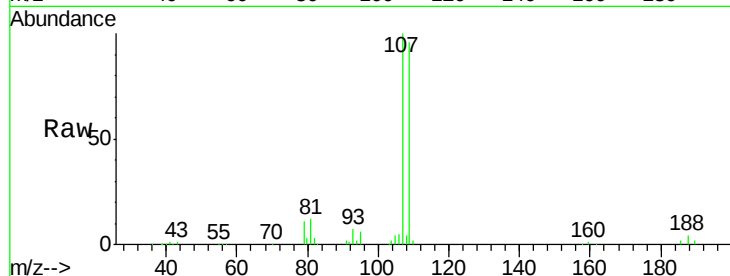
ClientSampleId :

Tot Ion: 107 Resp: 299327

Ion Ratio Lower Upper

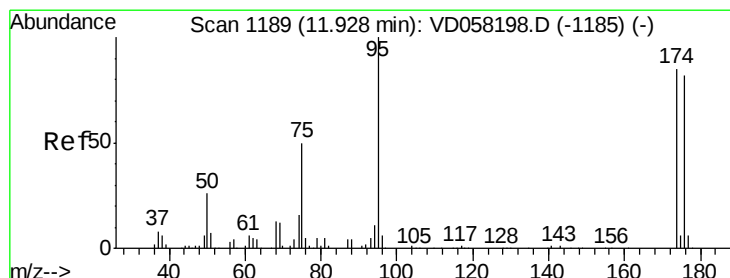
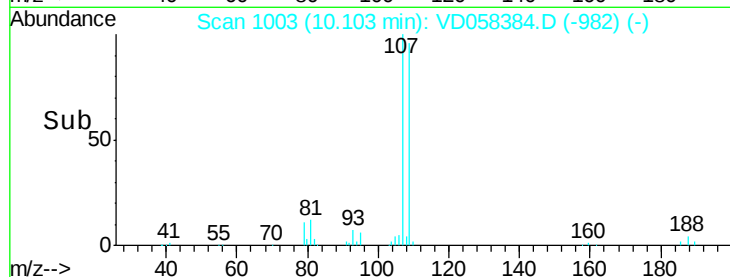
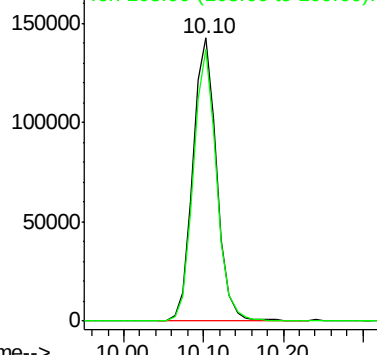
107 100

109 95.8 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 53.272 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

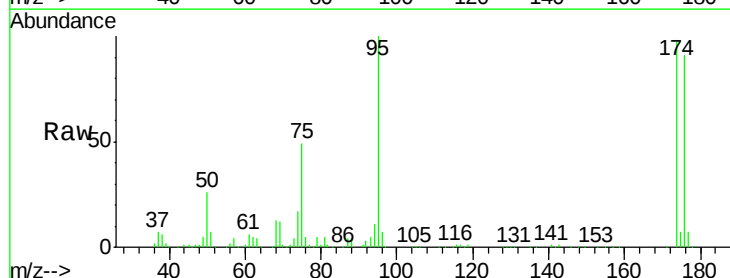
Tgt Ion: 95 Resp: 453217

Ion Ratio Lower Upper

95 100

174 98.0 0.0 170.2

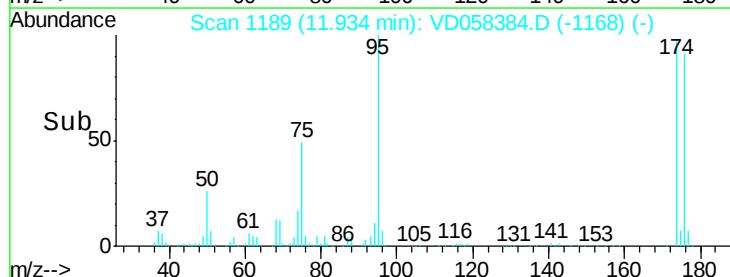
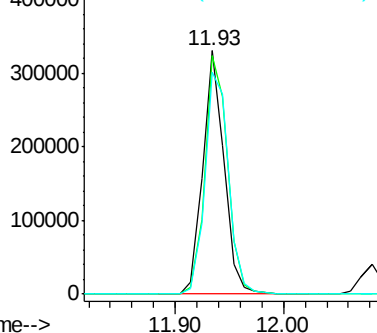
176 90.9 0.0 164.6

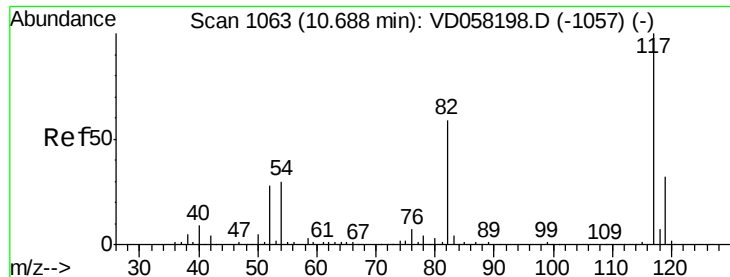


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

ClientSampleId :

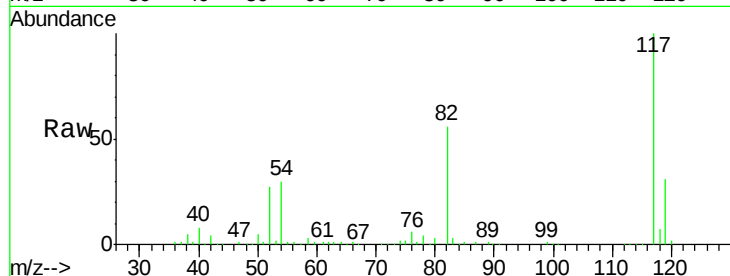
Tot Ion:117 Resp: 852031

Ion Ratio Lower Upper

117 100

82 56.1 47.0 70.6

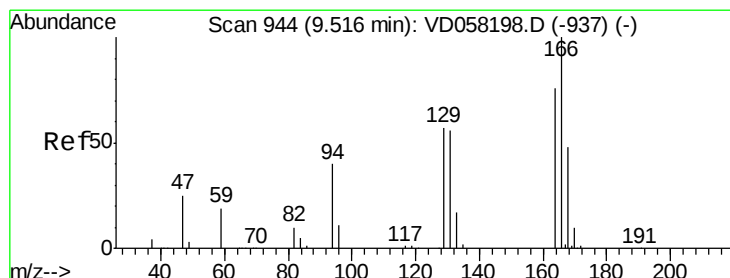
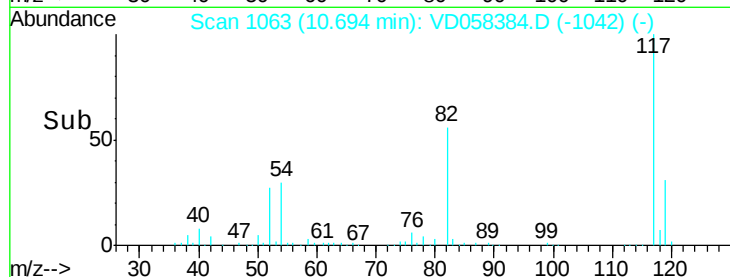
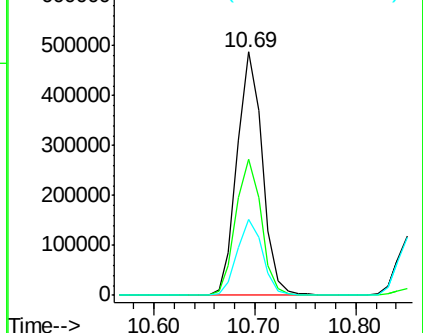
119 31.2 25.3 37.9



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: 53.747 ug/l

RT: 9.52 min Scan# 944

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Tgt Ion:164 Resp: 385317

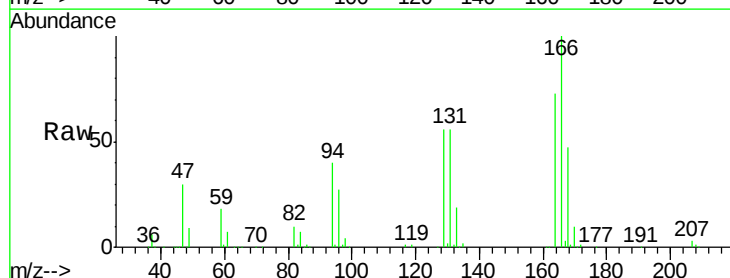
Ion Ratio Lower Upper

164 100

166 137.0 105.4 158.0

129 76.4 59.6 89.4

131 76.3 59.4 89.2

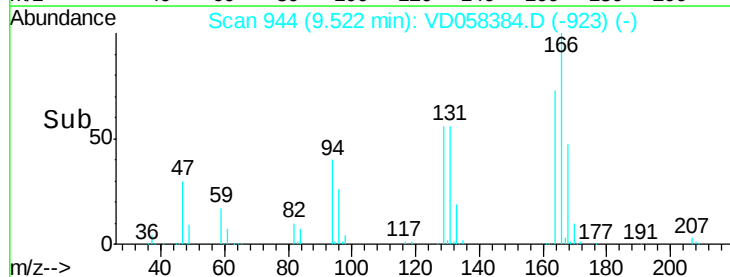
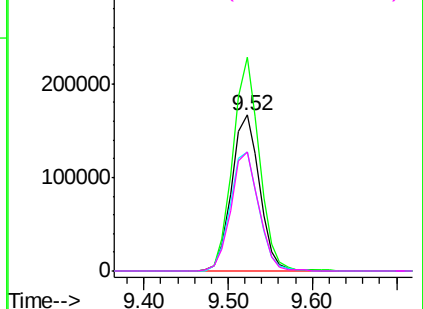


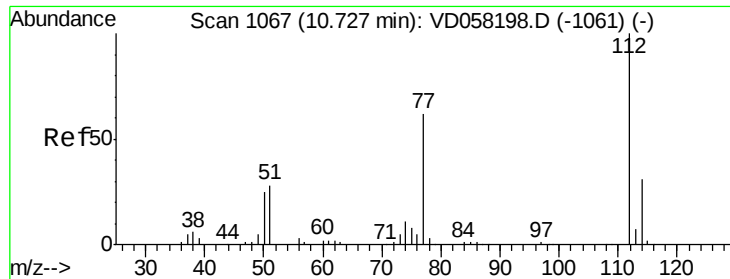
Abundance Ion 163.85 (163.55 to 164.55): V

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

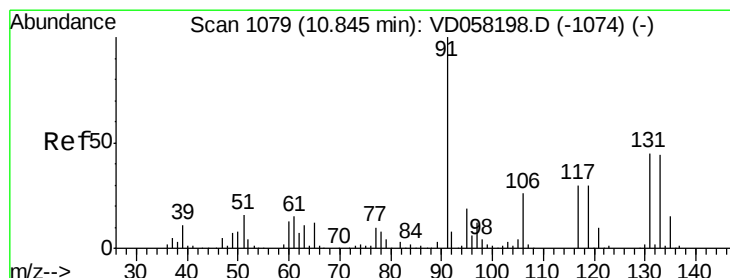
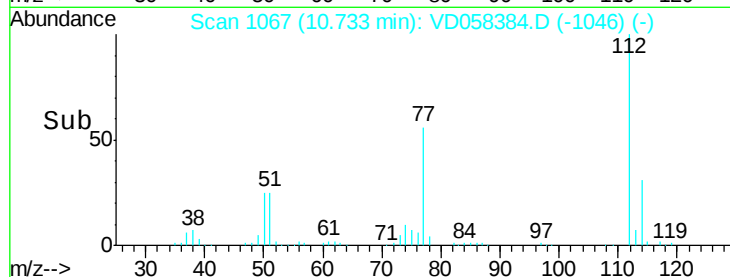
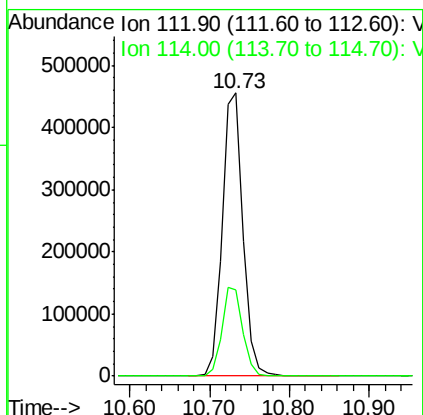
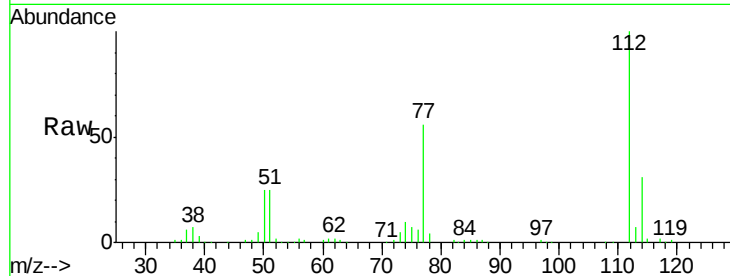




#65
Chlorobenzene
Concen: 52.471 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

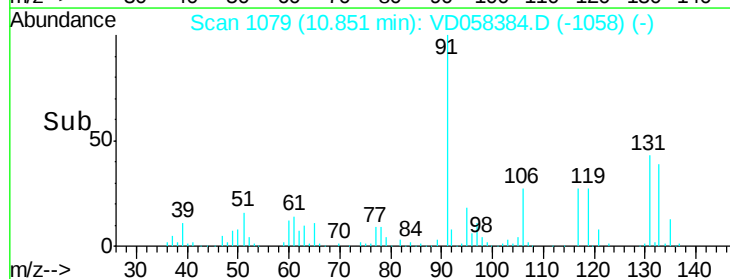
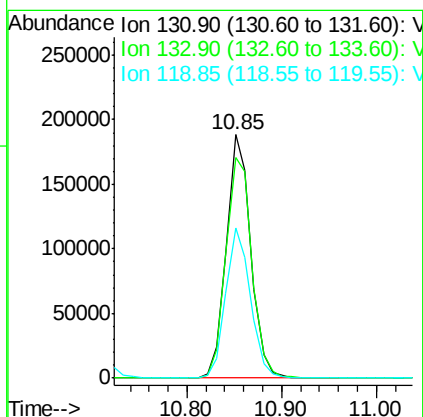
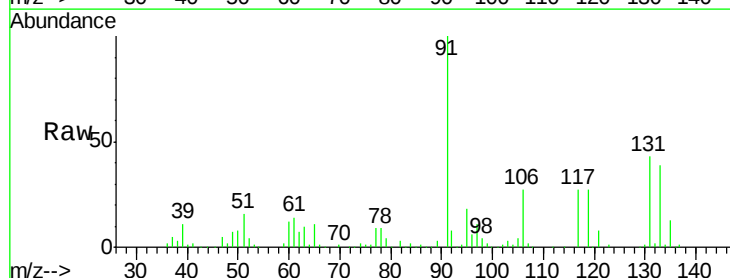
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 836267
Ion Ratio Lower Upper
112 100
114 30.6 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.495 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Tgt Ion:131 Resp: 335170
Ion Ratio Lower Upper
131 100
133 90.6 48.6 145.9
119 61.8 33.0 99.0

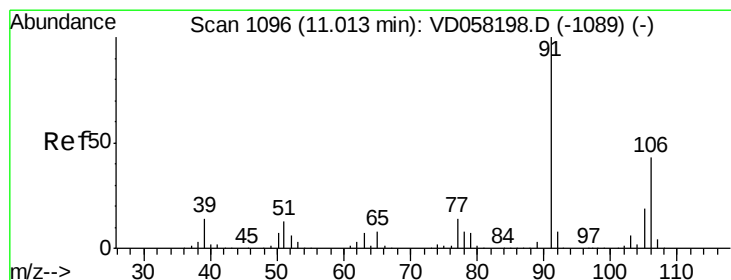
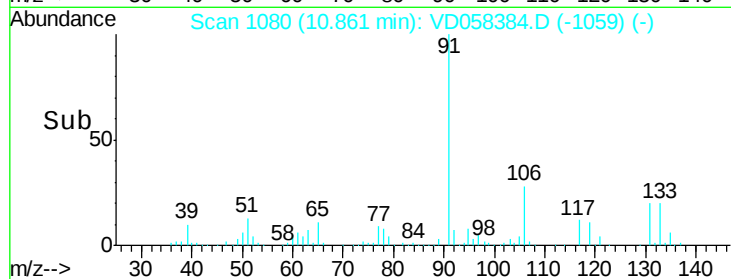
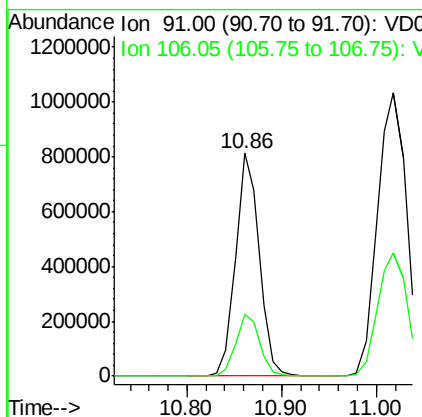
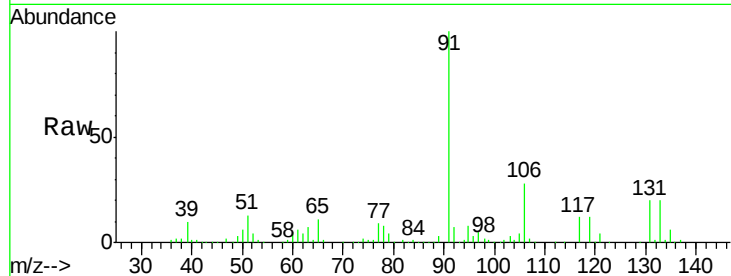




#67
Ethyl Benzene
Concen: 49.990 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

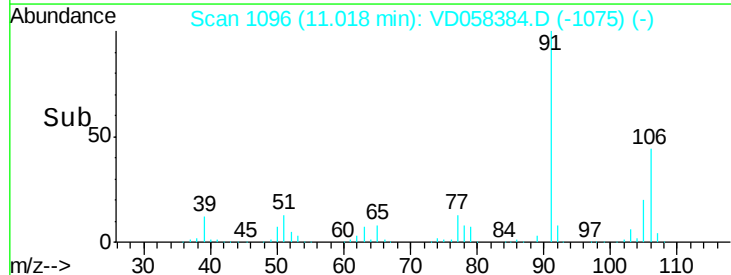
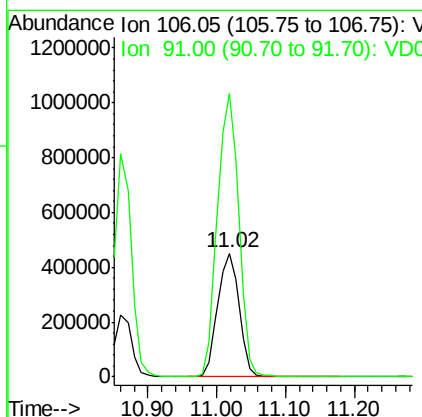
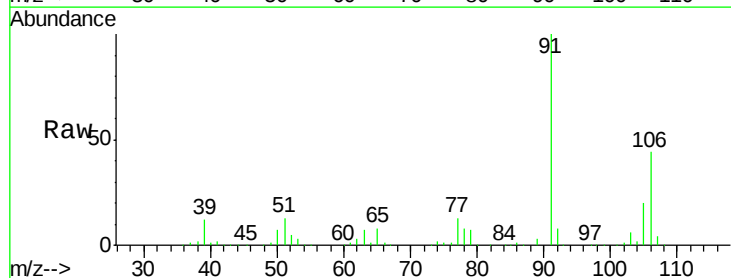
Instrument :
MSVOA_D
ClientSampleID :

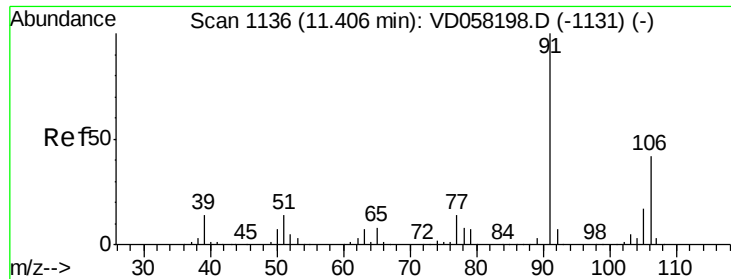
Tot Ion: 91 Resp: 1406566
Ion Ratio Lower Upper
91 100
106 27.8 22.0 33.0



#68
m/p-Xylenes
Concen: 104.070 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Tgt Ion: 106 Resp: 976501
Ion Ratio Lower Upper
106 100
91 228.3 185.0 277.6

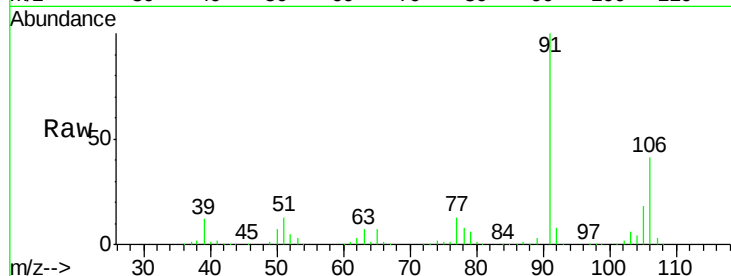




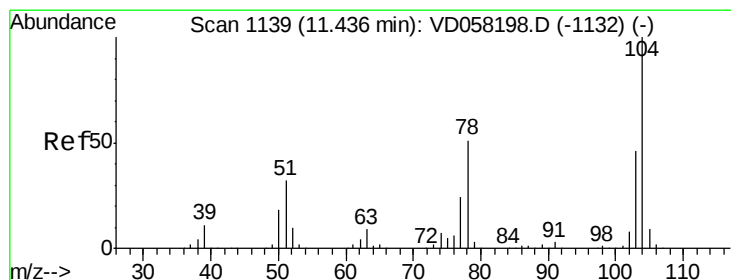
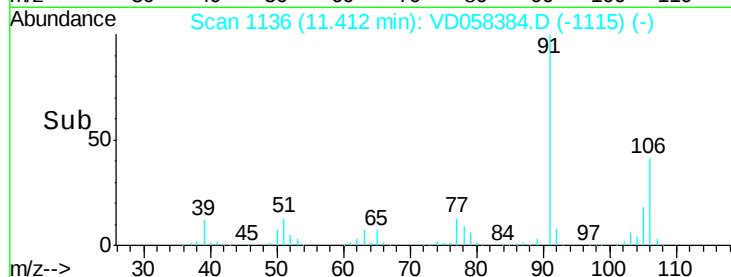
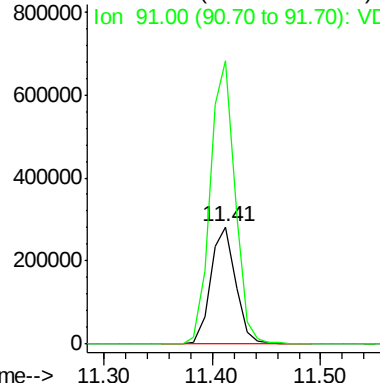
#69
o-Xylene
Concen: 50.357 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 451292
Ion Ratio Lower Upper
106 100
91 241.5 120.2 360.6

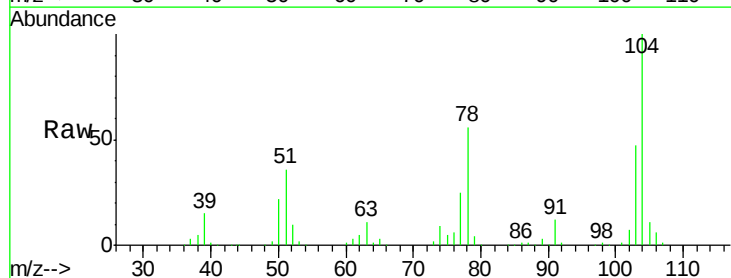


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

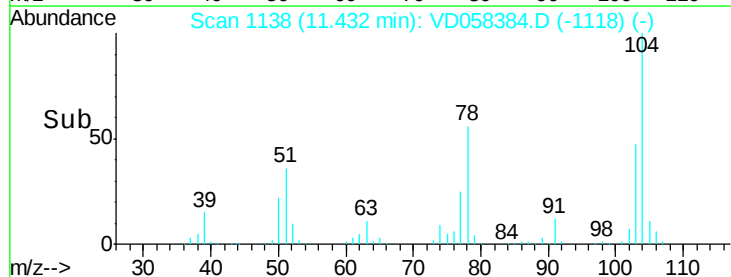
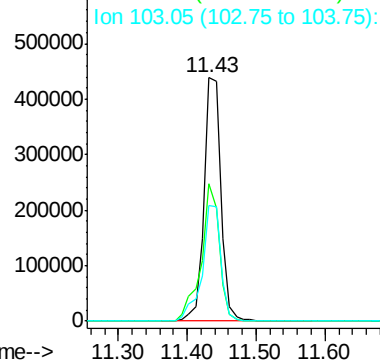


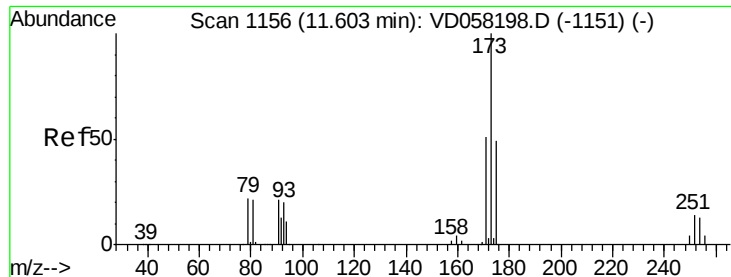
#70
Styrene
Concen: 48.486 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Tgt Ion:104 Resp: 741478
Ion Ratio Lower Upper
104 100
78 56.4 40.8 61.2
103 47.3 37.0 55.6



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





#71

Bromoform

Concen: 59.645 ug/l

RT: 11.60 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

ClientSampled :

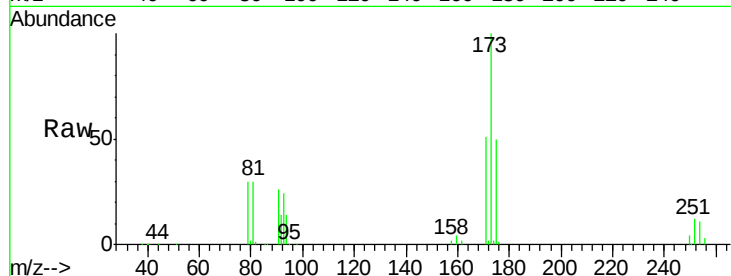
Tot Ion:173 Resp: 292643

Ion Ratio Lower Upper

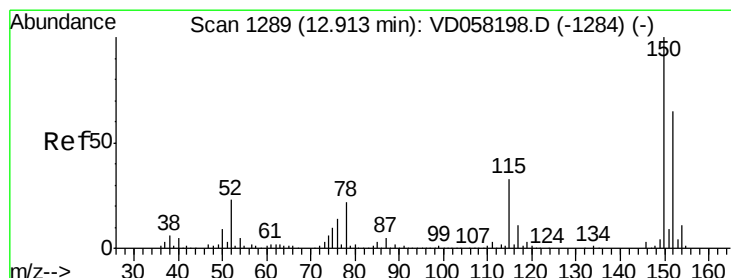
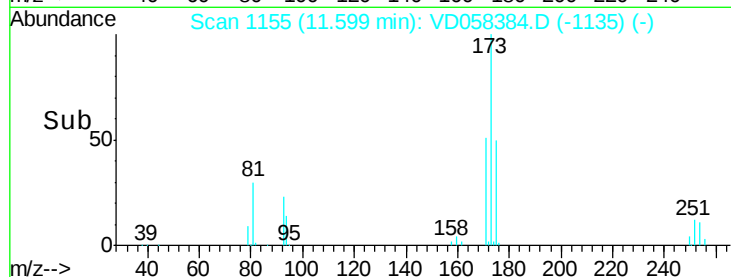
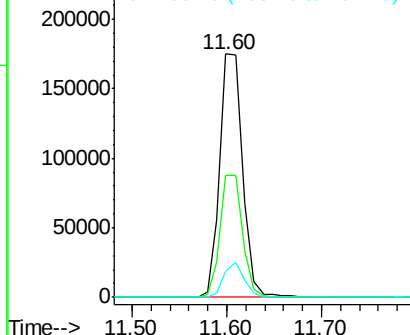
173 100

175 50.3 24.6 74.0

254 10.9 10.3 15.5



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: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

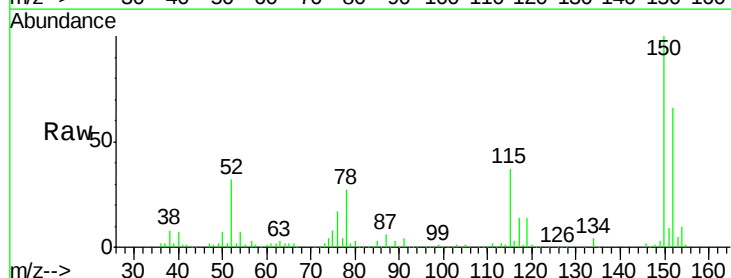
Tgt Ion:152 Resp: 453427

Ion Ratio Lower Upper

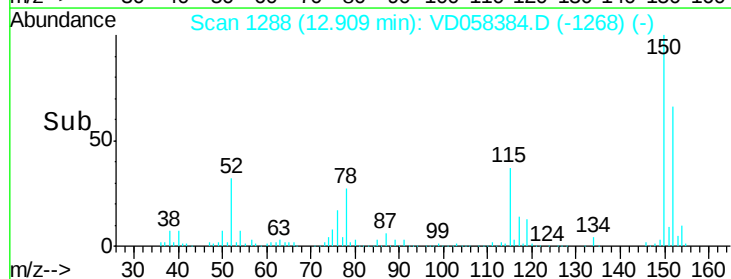
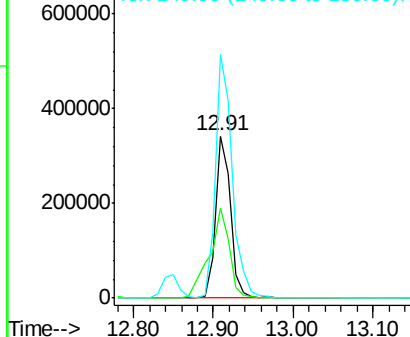
152 100

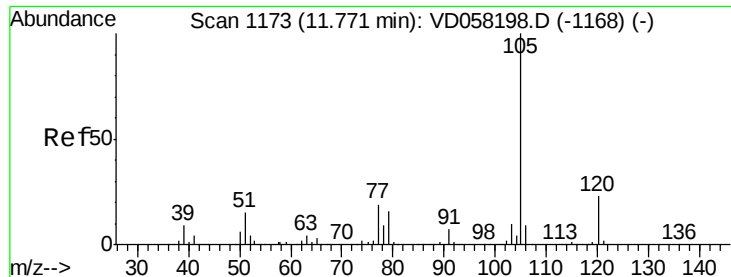
115 55.5 25.1 75.3

150 150.4 0.0 308.8



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: 51.540 ug/l

RT: 11.78 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

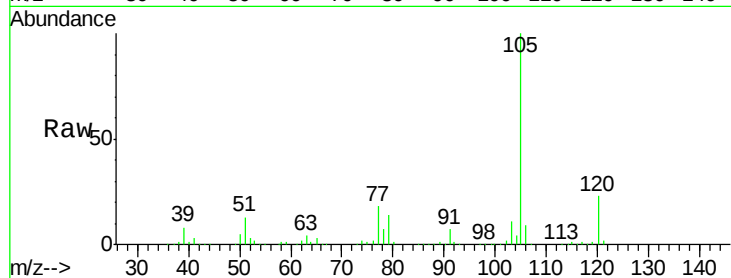
ClientSampled :

Tot Ion: 105 Resp: 1397848

Ion Ratio Lower Upper

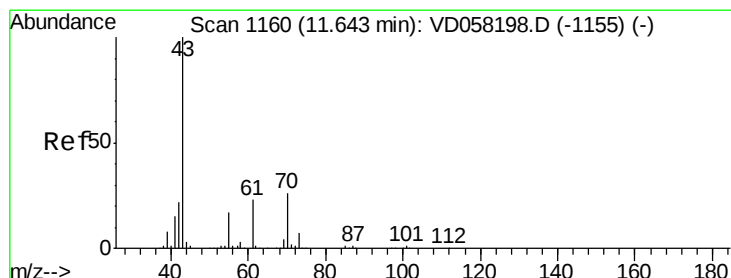
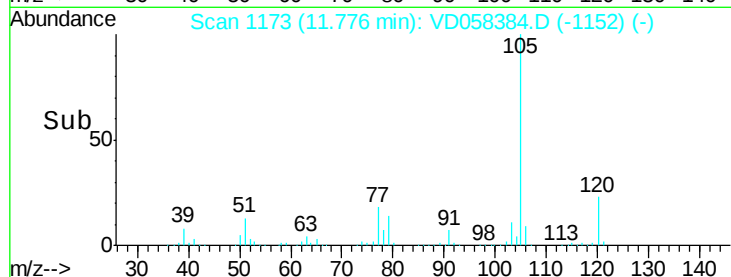
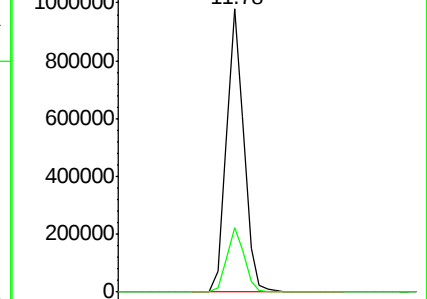
105 100

120 22.8 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.888 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Tgt Ion: 43 Resp: 533645

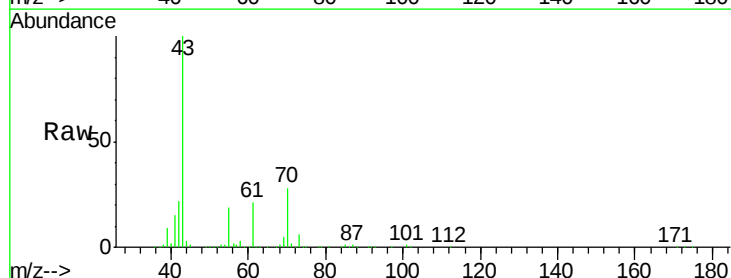
Ion Ratio Lower Upper

43 100

70 27.8 20.9 31.3

55 18.6 13.5 20.3

61 21.4 18.2 27.2

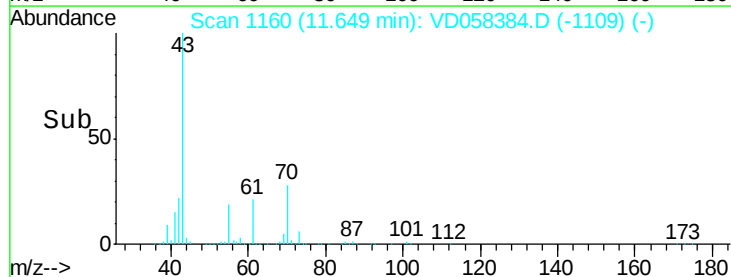
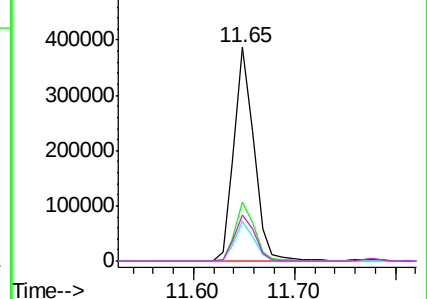


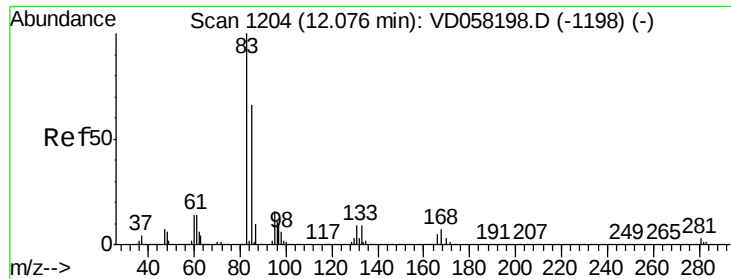
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.681 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

ClientSampled :

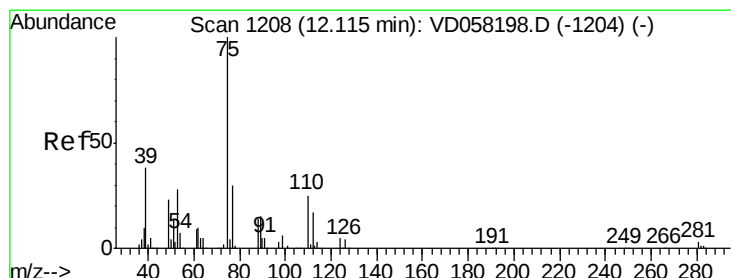
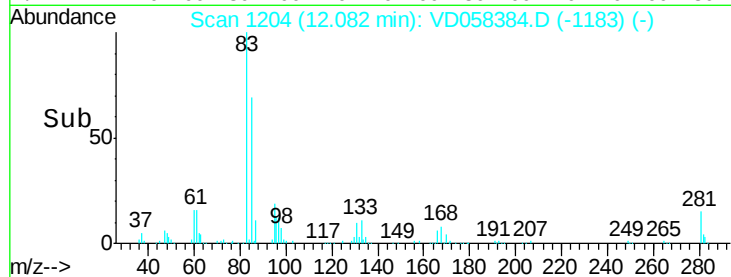
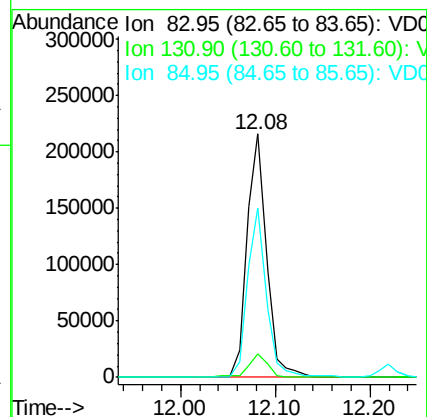
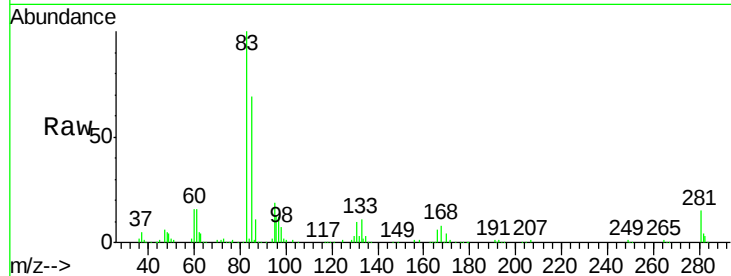
Tot Ion: 83 Resp: 307253

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.3

85 69.5 33.1 99.5



#76

1,2,3-Trichloropropane

Concen: 49.929 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD058384.D

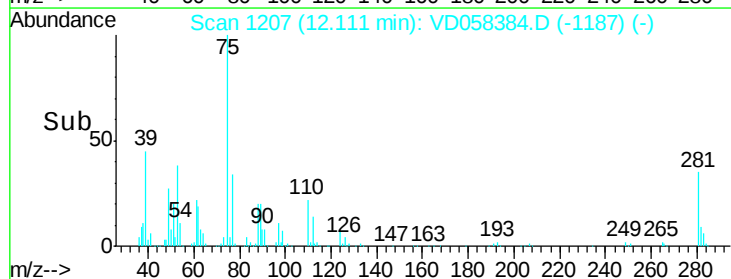
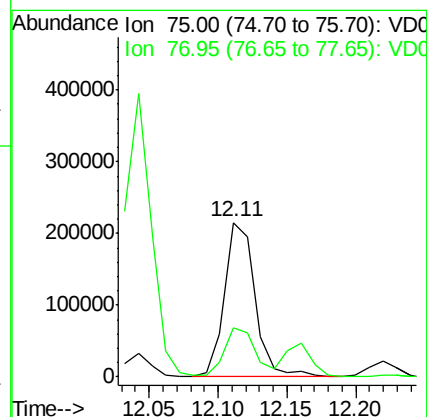
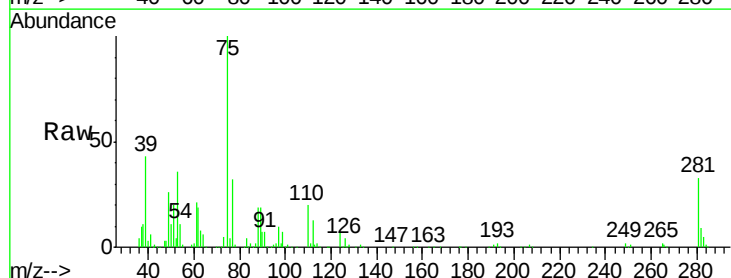
Acq: 24 Jun 2018 21:04

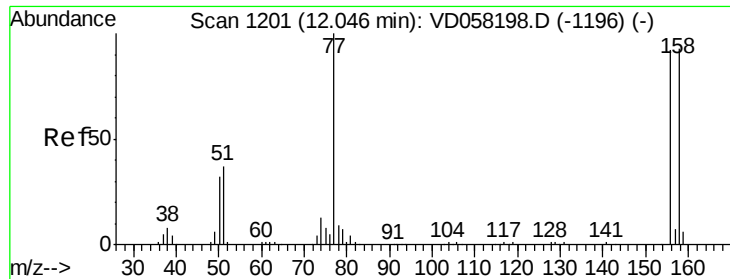
Tgt Ion: 75 Resp: 330538

Ion Ratio Lower Upper

75 100

77 31.7 16.0 47.9





#77

Bromobenzene

Concen: 51.897 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

ClientSampleId :

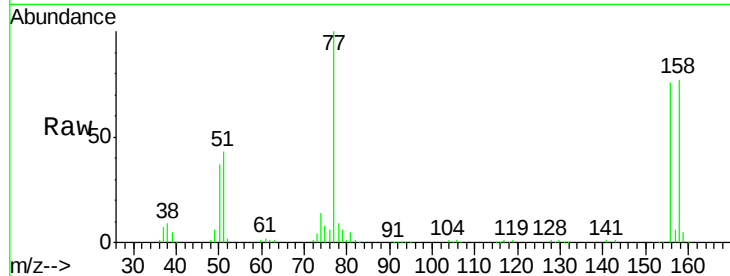
Tot Ion:156 Resp: 421482

Ion Ratio Lower Upper

156 100

77 131.8 54.5 163.6

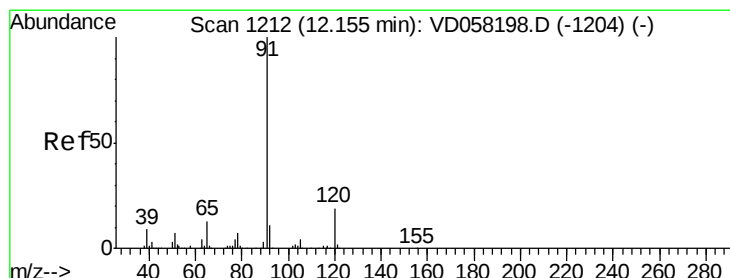
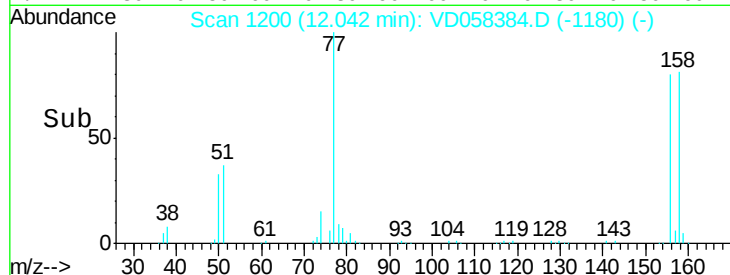
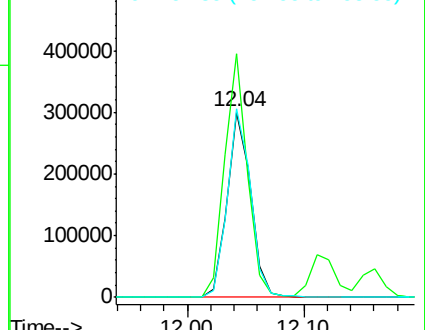
158 102.0 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 45.362 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD058384.D

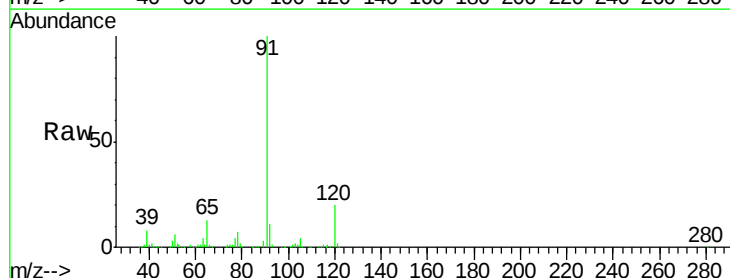
Acq: 24 Jun 2018 21:04

Tgt Ion: 91 Resp: 1588778

Ion Ratio Lower Upper

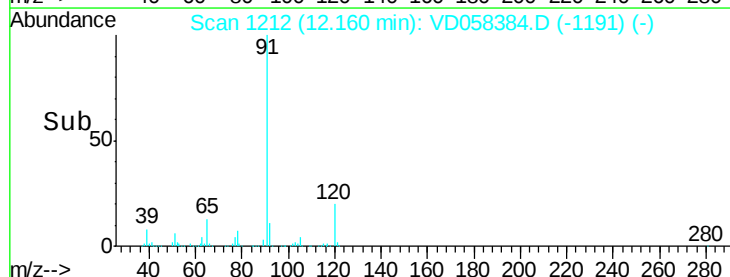
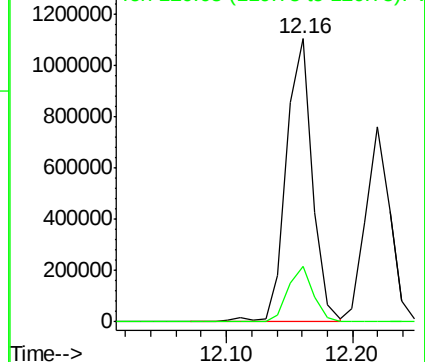
91 100

120 19.6 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

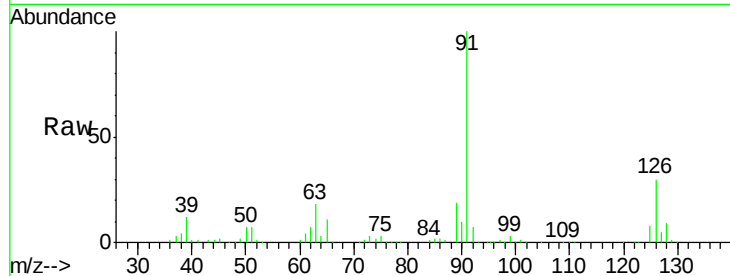




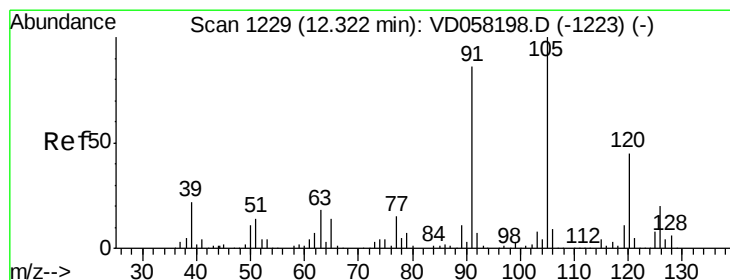
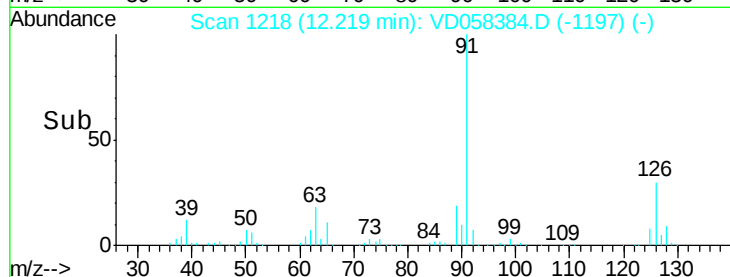
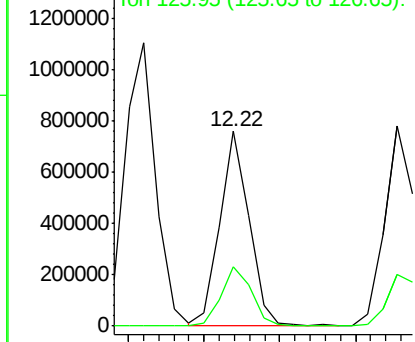
#79
 2-Chlorotoluene
 Concen: 50.568 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 1013496
 Ion Ratio Lower Upper
 91 100
 126 30.3 14.9 44.5

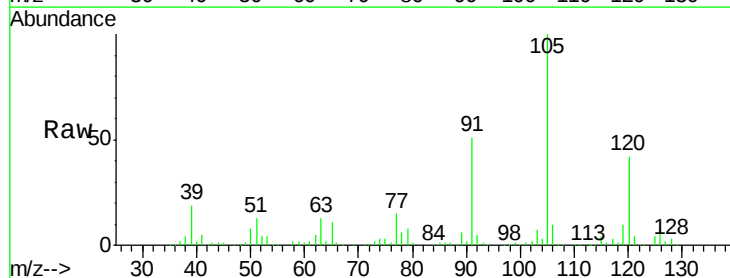


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

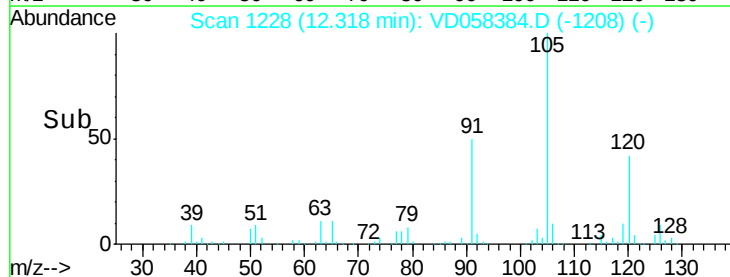
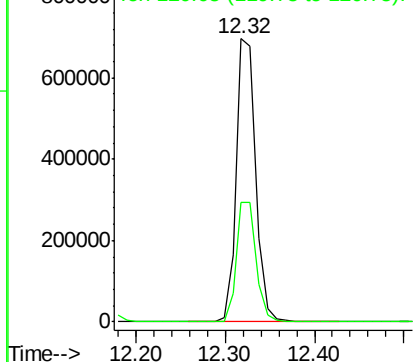


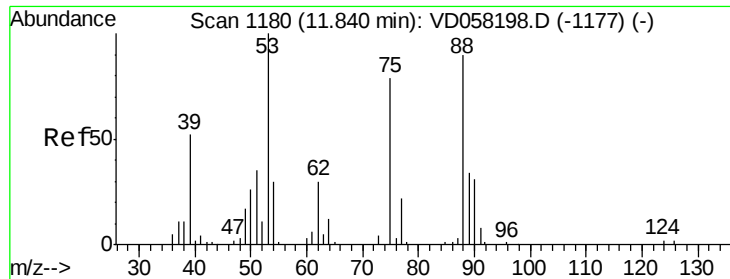
#80
 1,3,5-Trimethylbenzene
 Concen: 50.142 ug/l
 RT: 12.32 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

Tgt Ion: 105 Resp: 1060719
 Ion Ratio Lower Upper
 105 100
 120 42.3 22.5 67.5



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: 49.441 ug/l

RT: 11.85 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

ClientSampled :

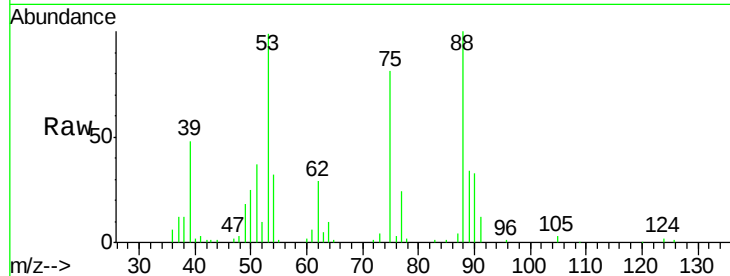
Tot Ion: 75 Resp: 79828

Ion Ratio Lower Upper

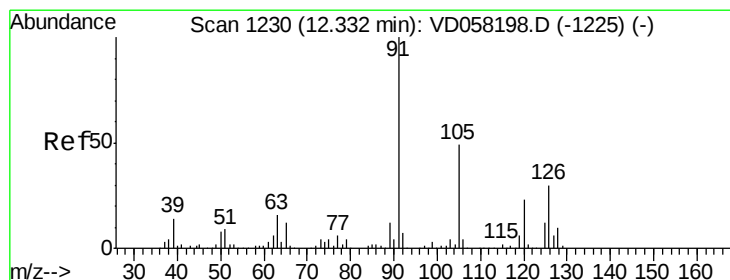
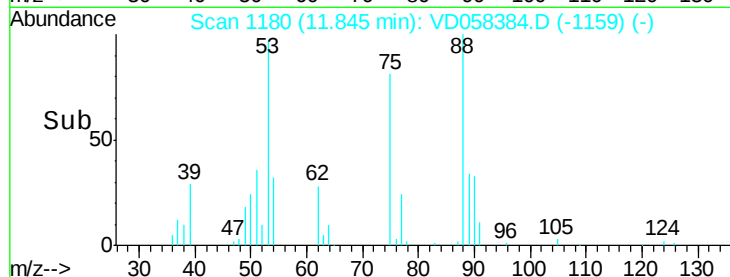
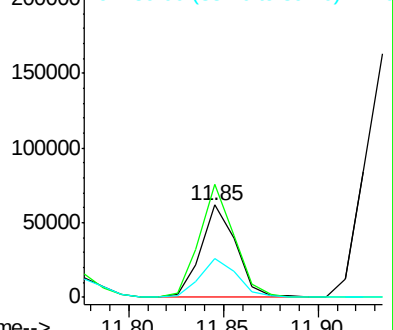
75 100

53 122.9 100.8 151.2

89 42.3 34.6 52.0



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: 56.012 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD058384.D

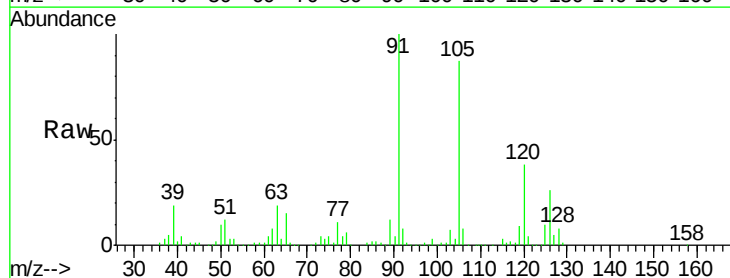
Acq: 24 Jun 2018 21:04

Tgt Ion: 91 Resp: 1081282

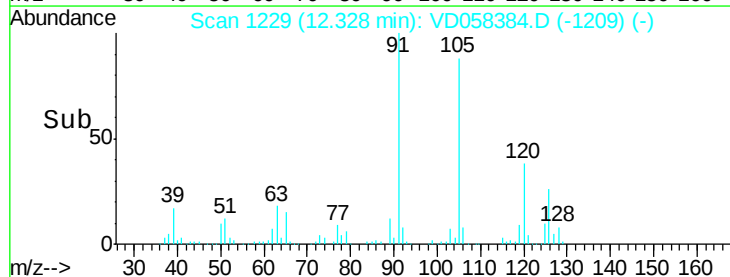
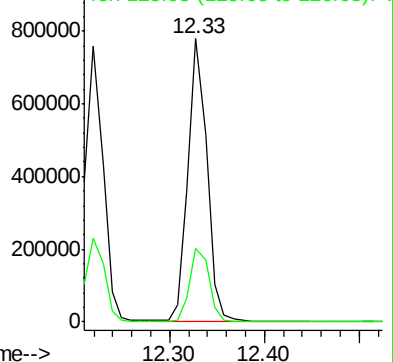
Ion Ratio Lower Upper

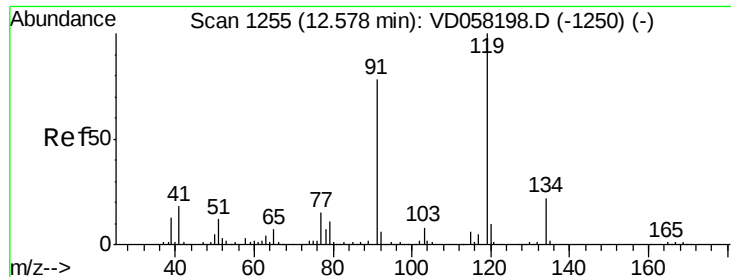
91 100

126 25.9 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

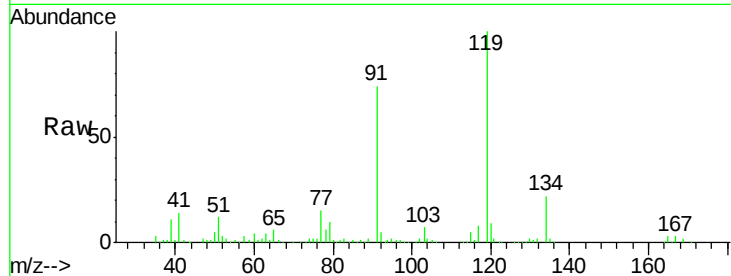




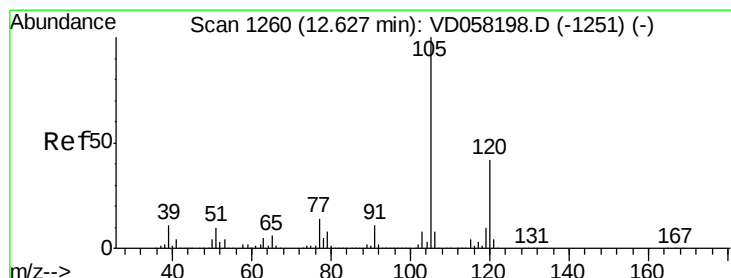
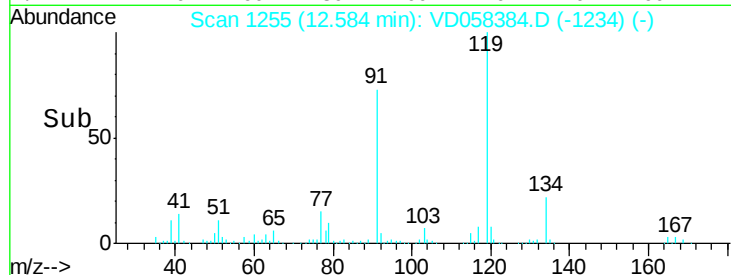
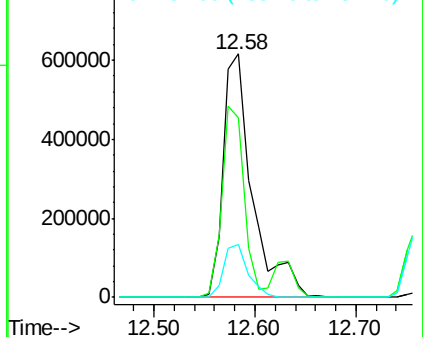
#83
tert-Butylbenzene
Concen: 51.061 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 1241845
Ion Ratio Lower Upper
119 100
91 73.6 38.9 116.6
134 21.6 11.2 33.5

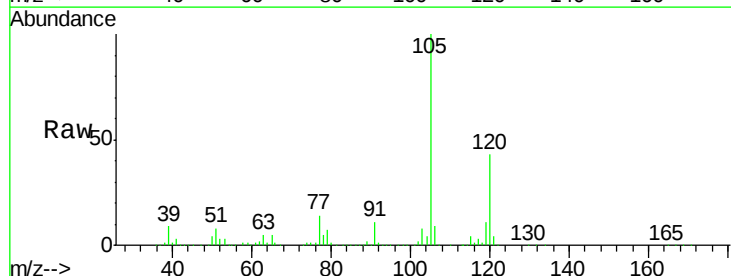


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

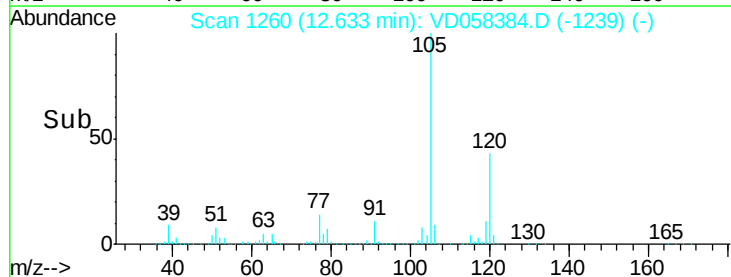
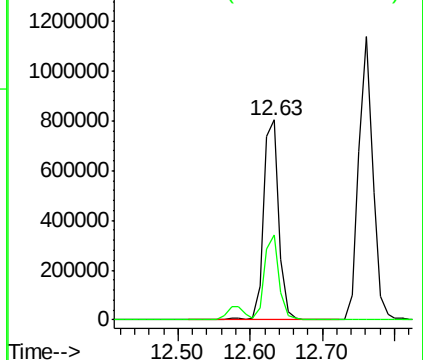


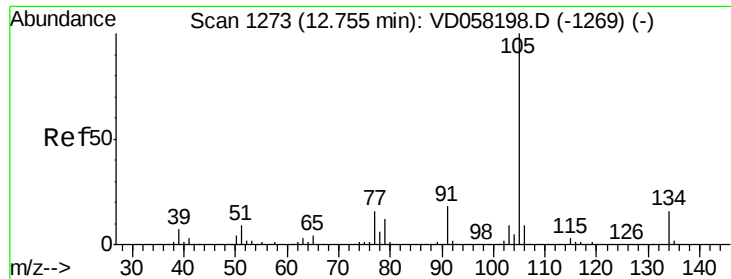
#84
1,2,4-Trimethylbenzene
Concen: 51.165 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Tgt Ion:105 Resp: 1176515
Ion Ratio Lower Upper
105 100
120 42.7 20.8 62.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

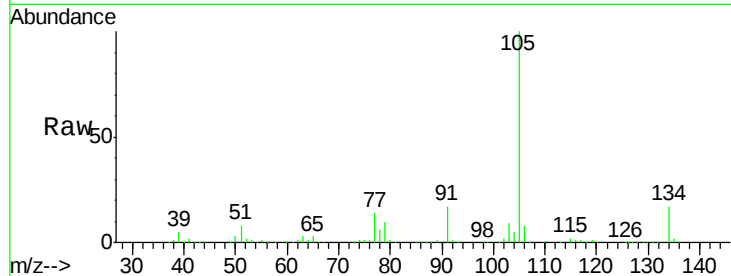




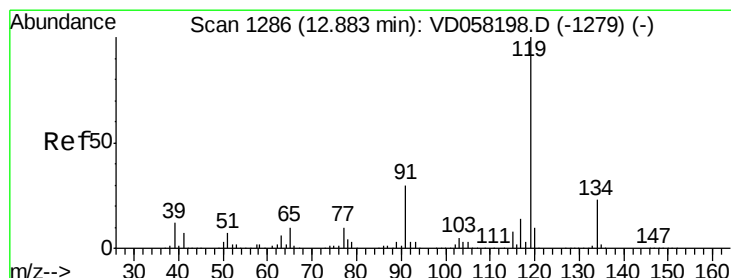
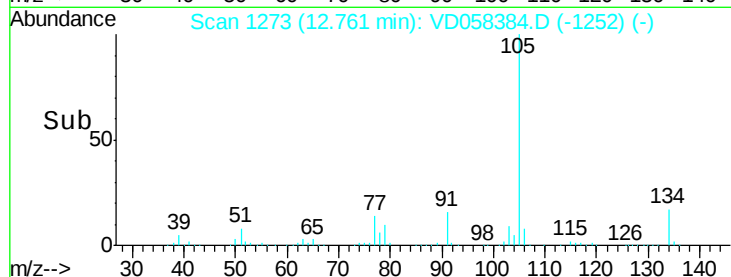
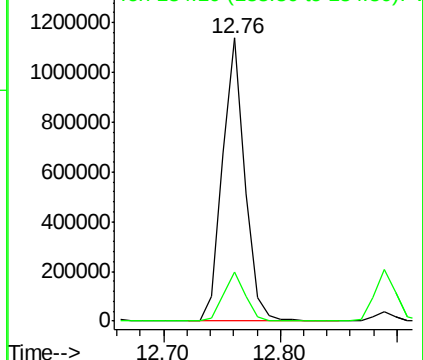
#85
 sec-Butylbenzene
 Concen: 52.791 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 1504935
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.1 24.3

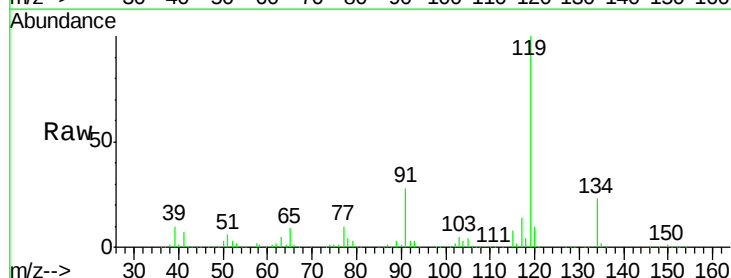


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

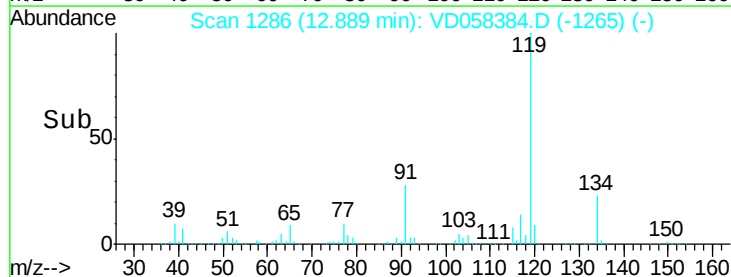
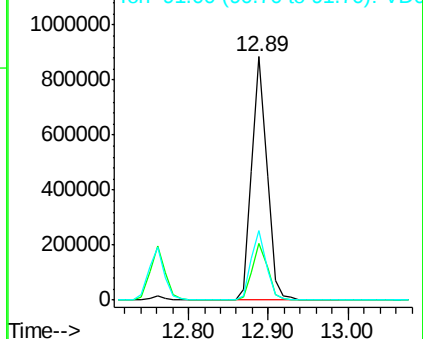


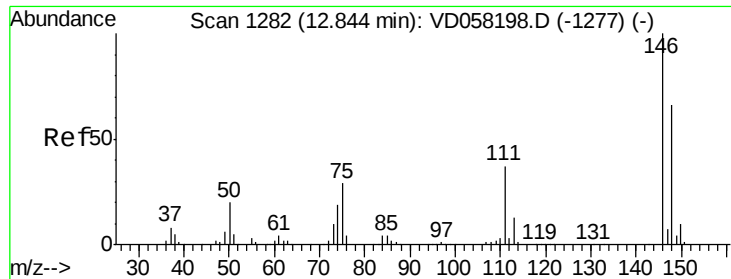
#86
 p-Isopropyltoluene
 Concen: 49.644 ug/l
 RT: 12.89 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

Tgt Ion:119 Resp: 1146850
 Ion Ratio Lower Upper
 119 100
 134 23.3 11.6 34.8
 91 28.4 15.0 45.1



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

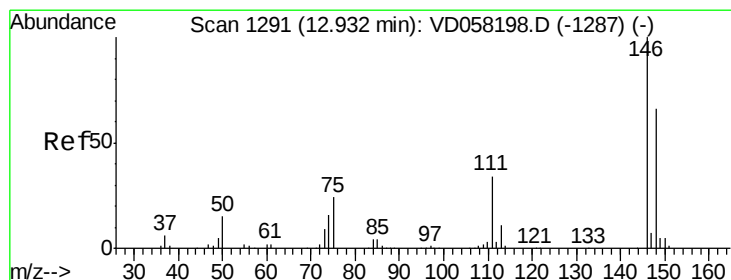
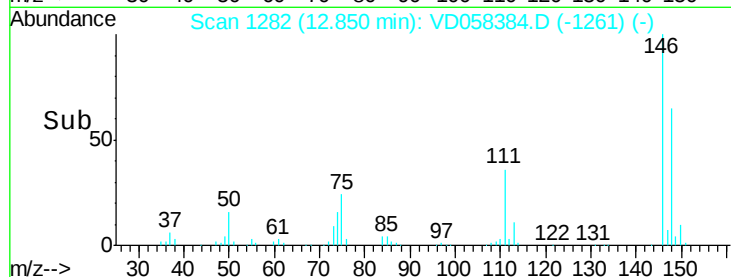
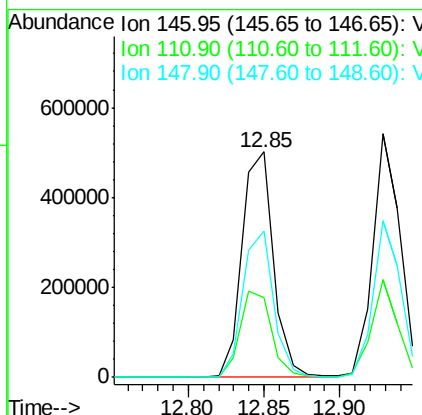
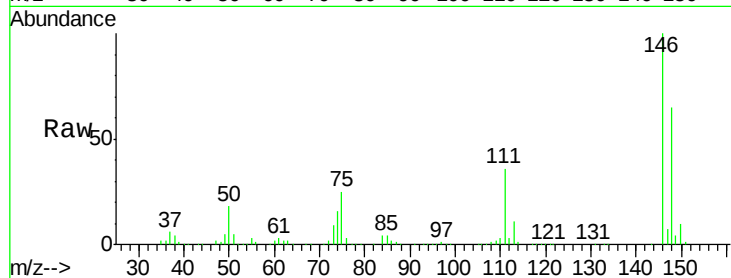




#87
 1,3-Dichlorobenzene
 Concen: 51.388 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

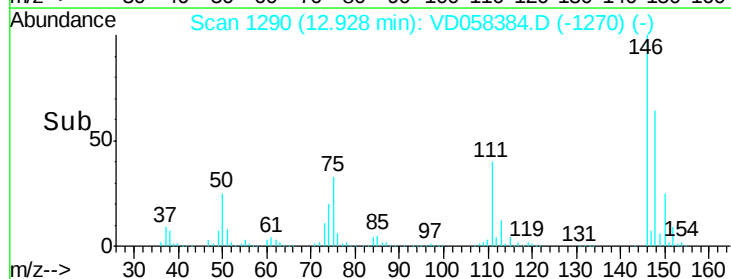
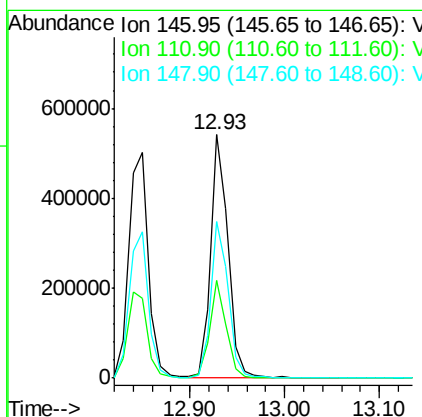
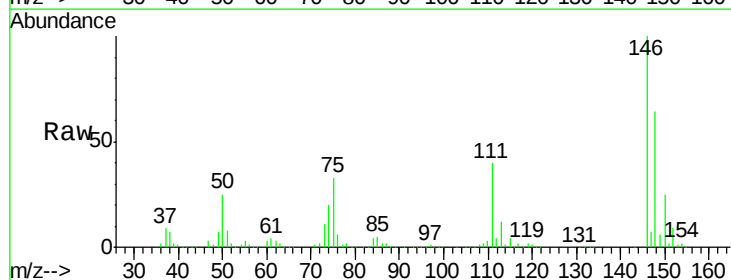
Instrument :
 MSVOA_D
 ClientSampled :

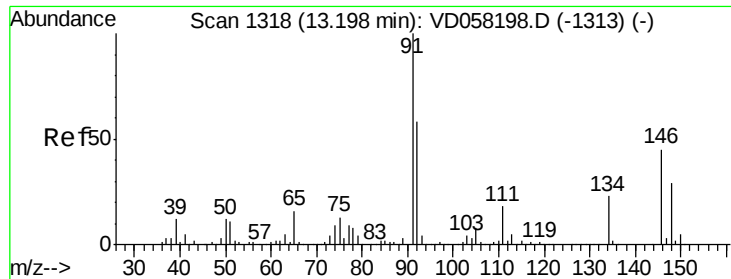
Tot Ion:146 Resp: 725398
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.4 55.0
 148 64.7 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 50.712 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

Tgt Ion:146 Resp: 699034
 Ion Ratio Lower Upper
 146 100
 111 40.0 17.2 51.5
 148 64.1 33.1 99.3

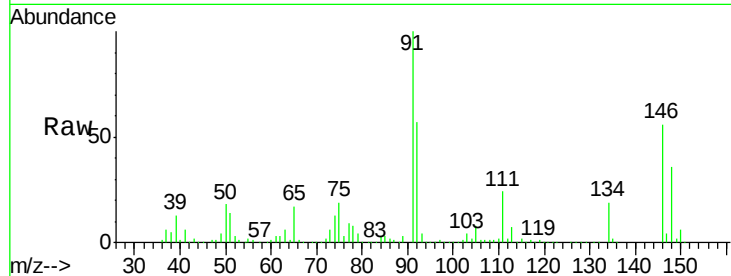




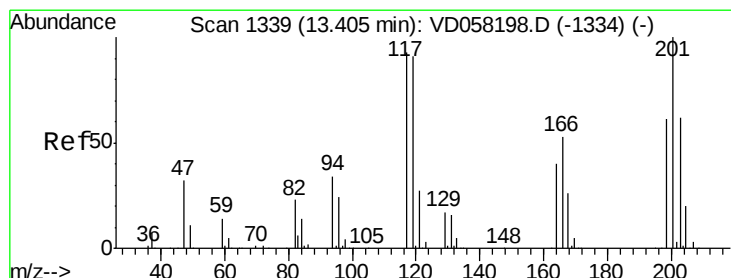
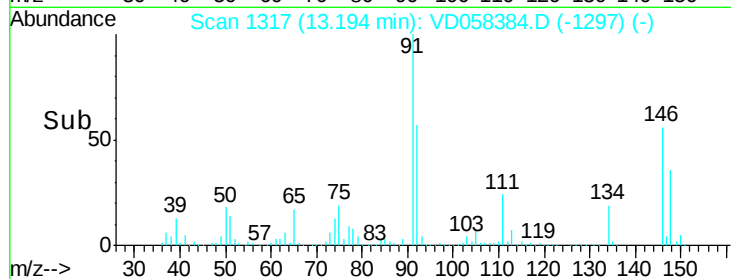
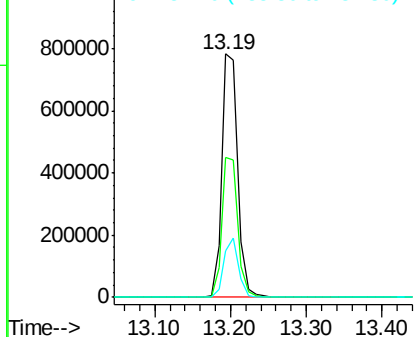
#89
n-Butylbenzene
Concen: 47.293 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 1148239
Ion Ratio Lower Upper
91 100
92 57.4 29.2 87.6
134 19.3 11.3 33.8

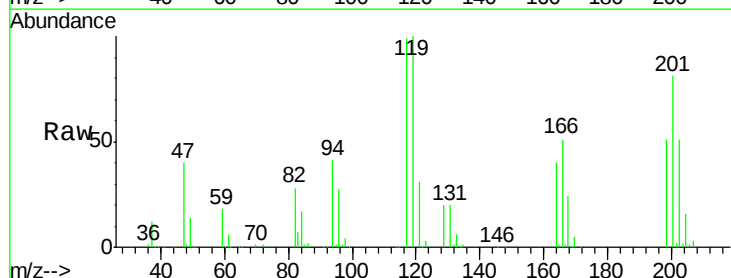


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

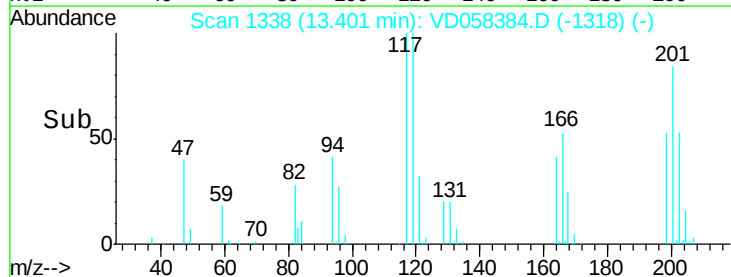
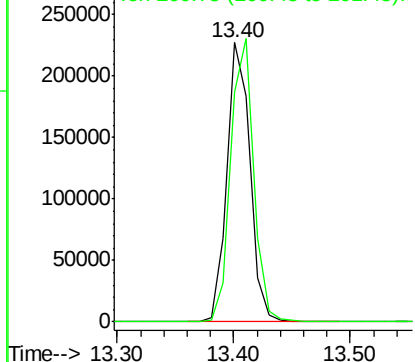


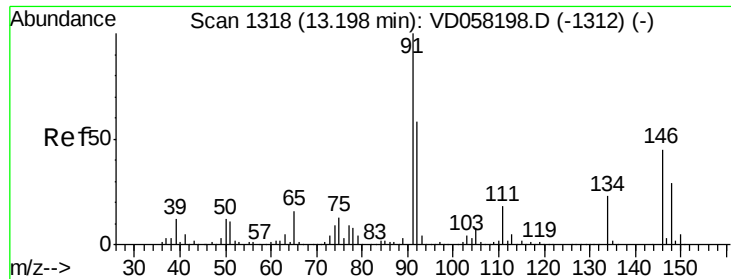
#90
Hexachloroethane
Concen: 52.007 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD058384.D
Acq: 24 Jun 2018 21:04

Tgt Ion: 117 Resp: 311837
Ion Ratio Lower Upper
117 100
201 82.2 53.8 161.4



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

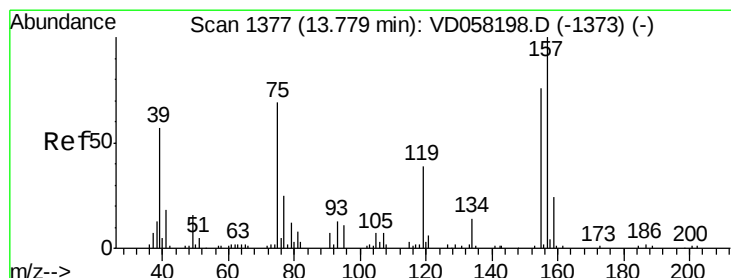
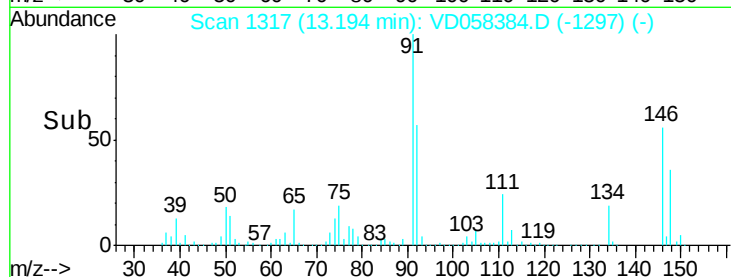
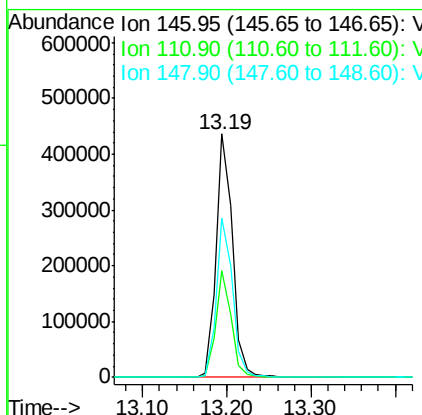
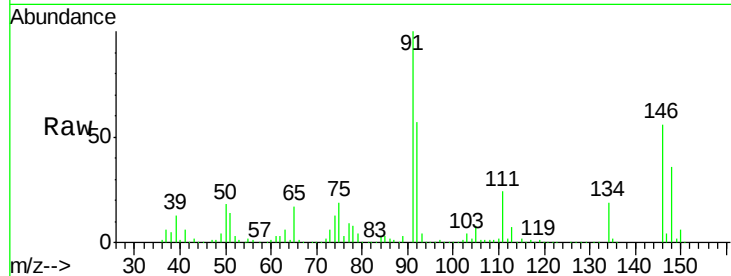




#91
 1,2-Dichlorobenzene
 Concen: 49.028 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

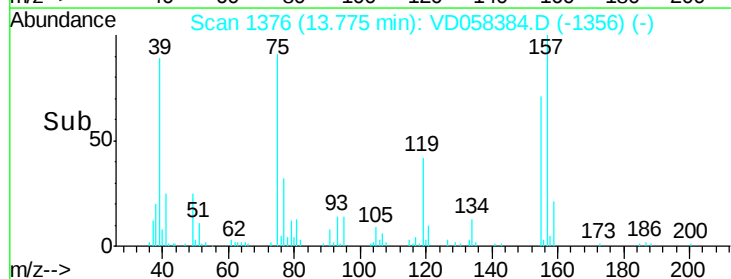
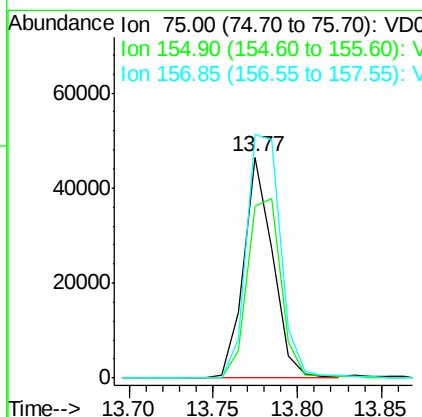
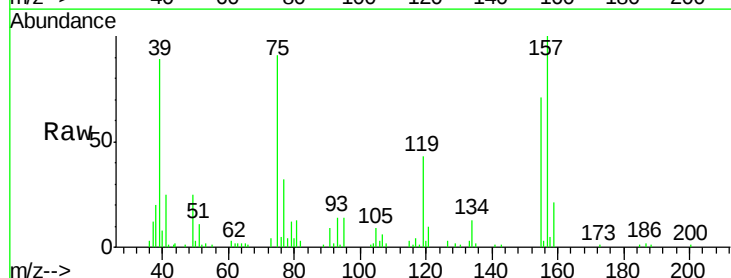
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 588955
 Ion Ratio Lower Upper
 146 100
 111 43.9 19.6 58.7
 148 65.2 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.712 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

Tgt Ion: 75 Resp: 55961
 Ion Ratio Lower Upper
 75 100
 155 77.8 54.5 163.5
 157 110.2 72.0 215.9

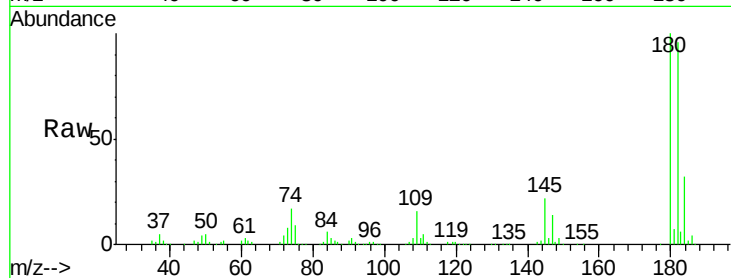




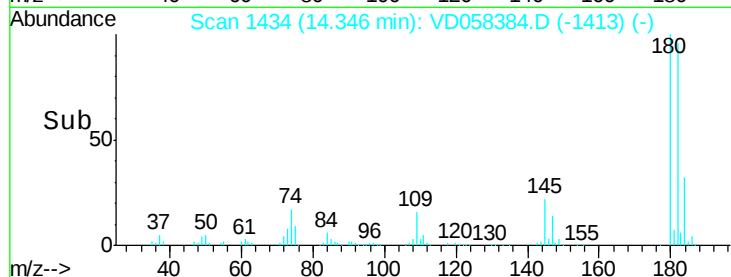
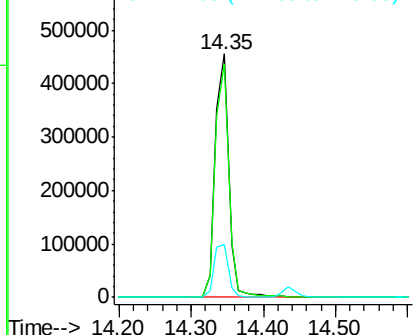
#93
 1,2,4-Trichlorobenzene
 Concen: 51.292 ug/l
 RT: 14.35 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 589299
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.1 141.3
 145 21.6 11.7 35.0

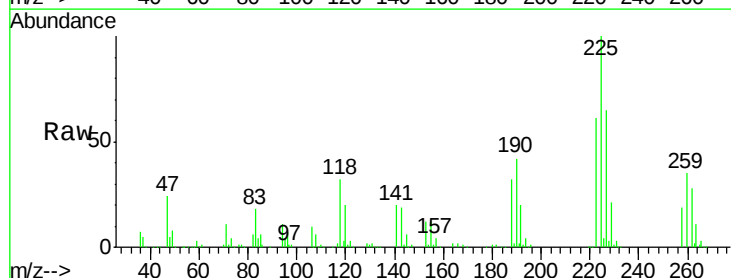


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

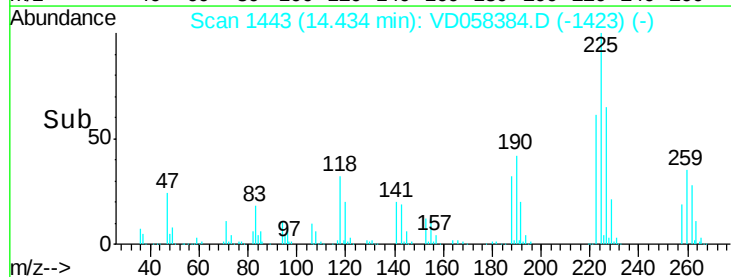
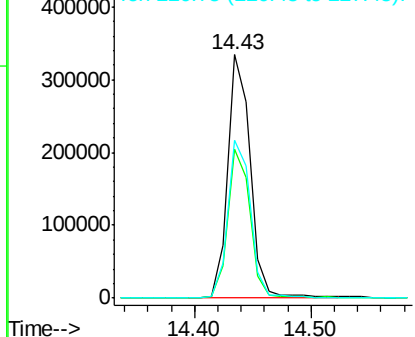


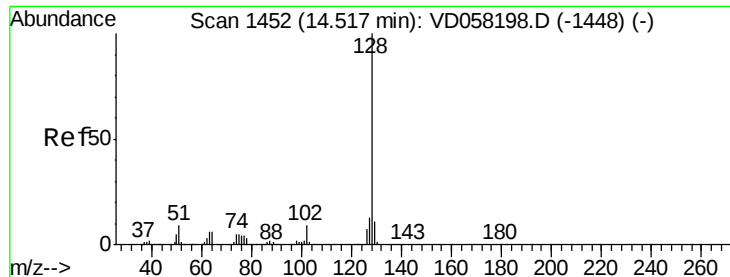
#94
 Hexachlorobutadiene
 Concen: 49.910 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD058384.D
 Acq: 24 Jun 2018 21:04

Tgt Ion:225 Resp: 448507
 Ion Ratio Lower Upper
 225 100
 223 61.2 30.1 90.3
 227 64.6 33.0 98.9



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: 54.346 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.01 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

Instrument :

MSVOA_D

ClientSampleId :

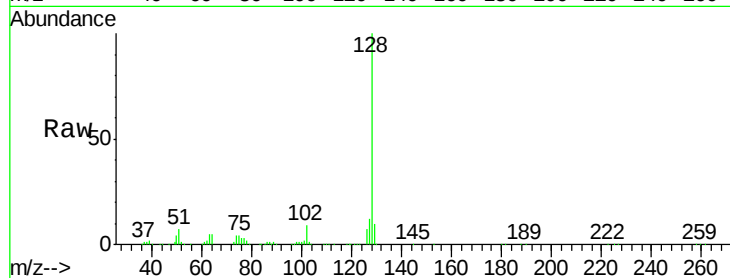
Tot Ion:128 Resp: 822464

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

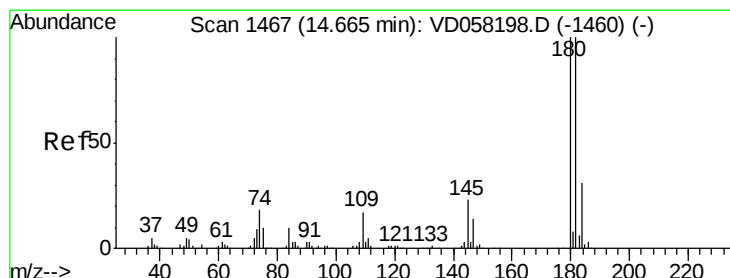
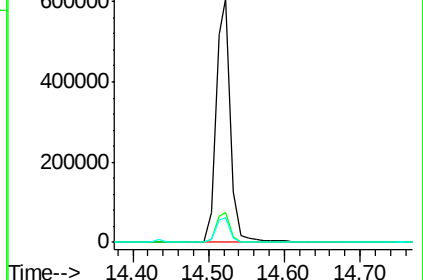
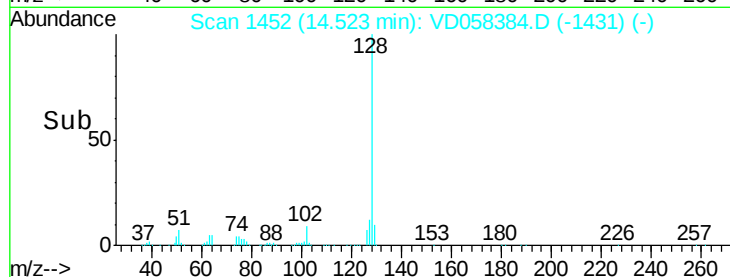
129 10.1 8.7 13.1



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: 50.302 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VD058384.D

Acq: 24 Jun 2018 21:04

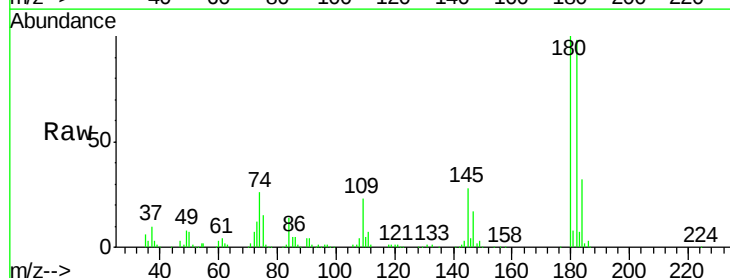
Tgt Ion:180 Resp: 505940

Ion Ratio Lower Upper

180 100

182 98.0 49.9 149.6

145 28.1 11.7 35.1



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

