

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058372.D
 Acq On : 24 Jun 2018 15:25
 Operator : VA/AP
 Sample : J3671-14
 Misc : 6.14g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 04:02:38 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	5.66	168	617476	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	828958	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.71	117	452592	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	92080	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	369467	59.24	ug/l	0.01
Spiked Amount	50.000		Recovery	=	118.48%	
35) Dibromofluoromethane	5.56	113	368949	54.68	ug/l	0.01
Spiked Amount	50.000		Recovery	=	109.36%	
50) Toluene-d8	8.72	98	744380	45.60	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.20%	
62) 4-Bromofluorobenzene	11.94	95	314718	47.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.34	85	230	Below Cal	# 43
3) Chloromethane	1.48	50	269	Below Cal	# 43
11) Tert butyl alcohol	3.27	59	15629	75.977	ug/l # 94
13) Acrolein	2.40	56	207	1.763	ug/l # 11
16) Acetone	2.61	43	194861	228.454	ug/l 94
17) Carbon Disulfide	2.77	76	8173	1.132	ug/l # 78
18) Methyl Acetate	2.94	43	6735	3.702	ug/l # 65
20) Methylene Chloride	3.08	84	15132	2.244	ug/l 91
25) 2-Butanone	4.85	43	128394	69.065	ug/l 95
27) cis-1,2-Dichloroethene	4.83	96	137976	23.815	ug/l 75
29) Tetrahydrofuran	5.20	42	2660	2.688	ug/l # 44
31) Cyclohexane	5.60	56	14832	Below Cal	# 79
36) 1,1-Dichloropropene	5.65	75	48537	5.919	ug/l # 50
37) Ethyl Acetate	4.85	43	129136	27.638	ug/l # 19
38) Carbon Tetrachloride	5.66	117	52405	6.432	ug/l # 14
39) Methylcyclohexane	7.30	83	224048	28.050	ug/l 98
40) Benzene	6.03	78	52993	2.713	ug/l 99
43) Isopropyl Acetate	7.66	43	12890	2.069	ug/l # 48
44) Trichloroethene	6.99	130	30187	5.146	ug/l 91
51) 4-Methyl-2-Pentanone	8.62	43	26587	6.543	ug/l 99
52) Toluene	8.81	92	49925	4.488	ug/l 94
56) Ethyl methacrylate	9.39	69	14020	2.979	ug/l # 1
59) 2-Hexanone	9.76	43	270359	92.086	ug/l # 38
65) Chlorobenzene	10.76	112	15293903	1806.519	ug/l 97
67) Ethyl Benzene	10.87	91	693607	46.407	ug/l 98
68) m/p-Xylenes	11.02	106	111693	22.409	ug/l 100
69) o-Xylene	11.42	106	237849	49.963	ug/l 98
70) Styrene	11.43	104	22344	2.751	ug/l # 1
73) Isopropylbenzene	11.79	105	886194	160.900	ug/l 99
74) N-amyl acetate	11.67	43	907829	426.291	ug/l # 46
75) 1,1,2,2-Tetrachloroethane	12.11	83	426482	332.742	ug/l # 88
76) 1,2,3-Trichloropropane	12.10	75	3662	2.724	ug/l # 1
77) Bromobenzene	12.13	156	6367	3.860	ug/l # 1
78) n-propylbenzene	12.17	91	2728569	383.622	ug/l 98

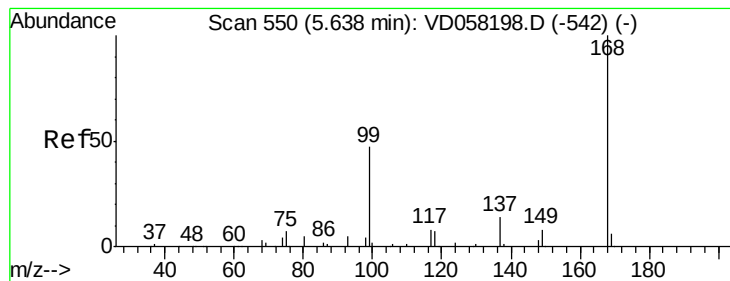
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058372.D
 Acq On : 24 Jun 2018 15:25
 Operator : VA/AP
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.25	91	329774	81.023	ug/l #	46
80) 1,3,5-Trimethylbenzene	12.34	105	2025278	471.446	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.79	75	12124	36.976	ug/l #	1
82) 4-Chlorotoluene	12.34	91	268550	69.863	ug/l #	51
83) tert-Butylbenzene	12.59	119	984087	199.250	ug/l	92
84) 1,2,4-Trimethylbenzene	12.65	105	3202193	685.745	ug/l	99
85) sec-Butylbenzene	12.78	105	2304829	398.129	ug/l #	79
86) p-Isopropyltoluene	12.87	119	1489634	317.527	ug/l	93
87) 1,3-Dichlorobenzene	12.95	146	5873100	2048.793	ug/l	95
88) 1,4-Dichlorobenzene	12.95	146	5948930	2125.148	ug/l	94
89) n-Butylbenzene	13.21	91	2270451	460.488	ug/l #	63
90) Hexachloroethane	13.40	117	332191	272.812	ug/l #	1
91) 1,2-Dichlorobenzene	13.22	146	6159471	2524.918	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	13.76	75	95984	470.547	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.35	180	590006	252.878	ug/l #	94
95) Naphthalene	14.53	128	11797320	3838.609	ug/l	95
96) 1,2,3-Trichlorobenzene	14.67	180	98423	48.187	ug/l #	75

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

Instrument :

MSVOA_D

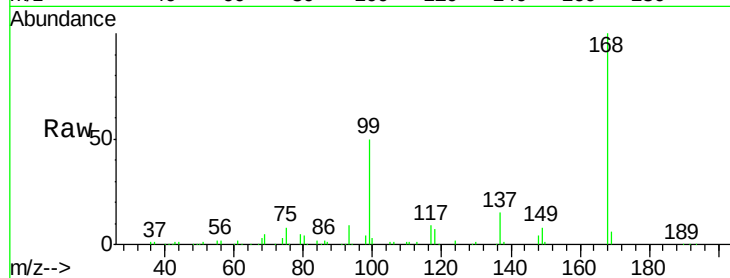
ClientSampleId :

Tot Ion:168 Resp: 617476

Ion Ratio Lower Upper

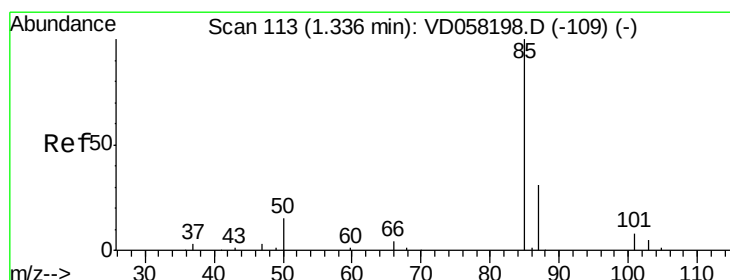
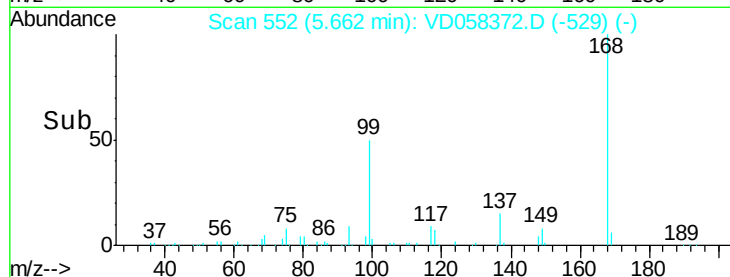
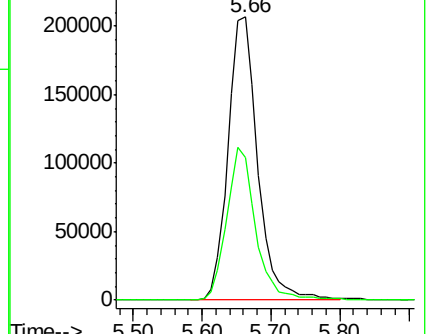
168 100

99 50.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.34 min Scan# 113

Delta R.T. 0.01 min

Lab File: VD058372.D

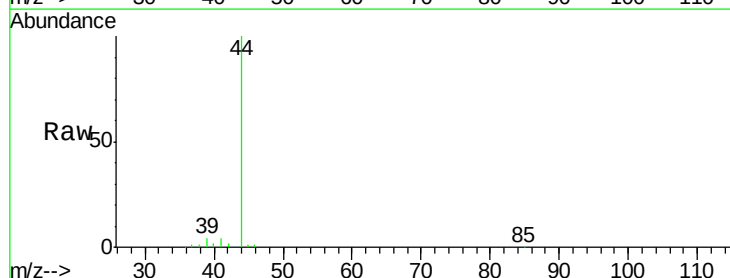
Acq: 24 Jun 2018 15:25

Tgt Ion: 85 Resp: 230

Ion Ratio Lower Upper

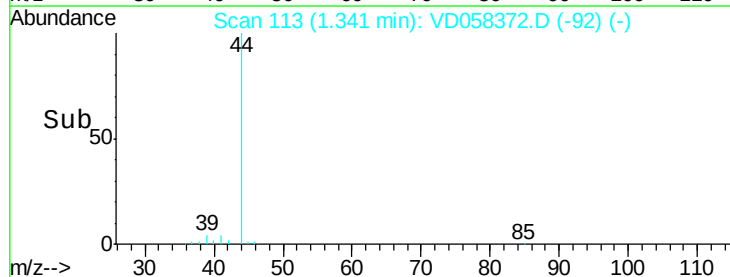
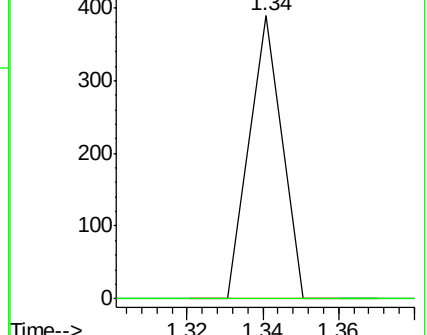
85 100

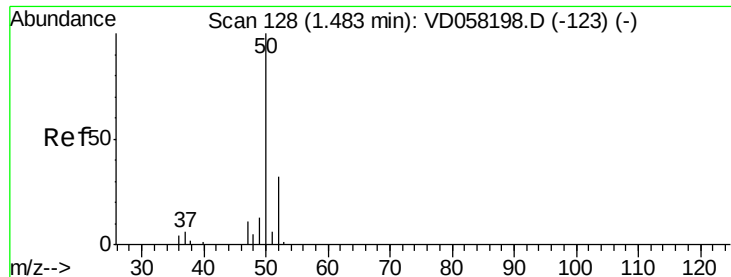
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 1.48 min Scan# 127

Delta R.T. -0.00 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

Instrument :

MSVOA_D

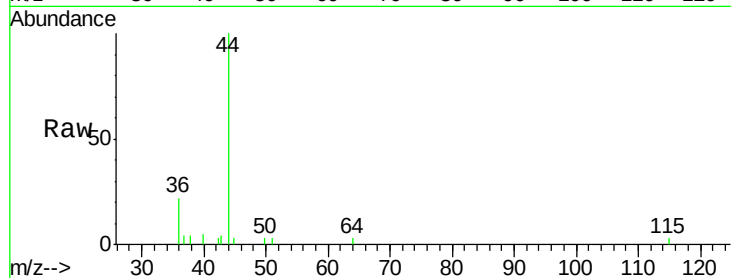
ClientSampleId :

Tot Ion: 50 Resp: 269

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.48

400

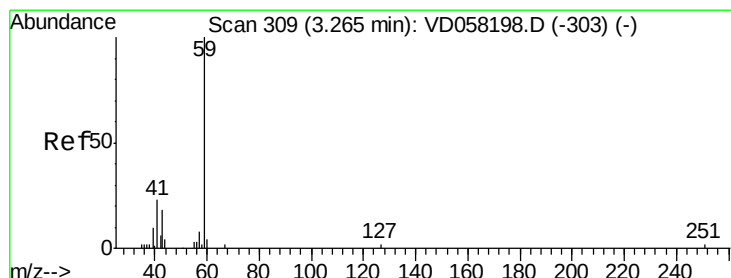
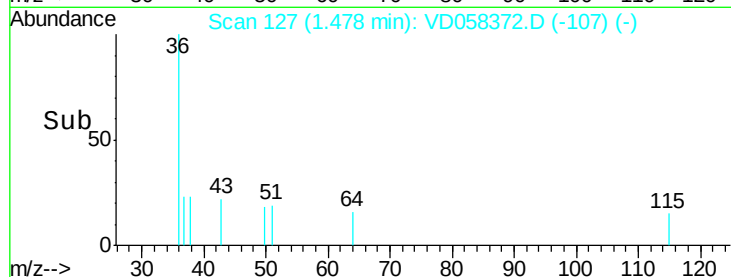
300

200

100

0

Time--> 1.44 1.46 1.48 1.50



#11

Tert butyl alcohol

Concen: 75.977 ug/l

RT: 3.27 min Scan# 309

Delta R.T. 0.01 min

Lab File: VD058372.D

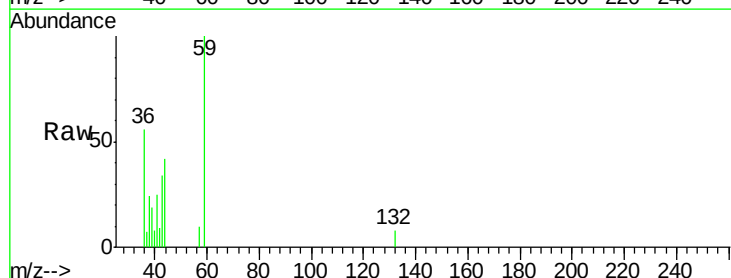
Acq: 24 Jun 2018 15:25

Tgt Ion: 59 Resp: 15629

Ion Ratio Lower Upper

59 100

57 9.9 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.27

4000

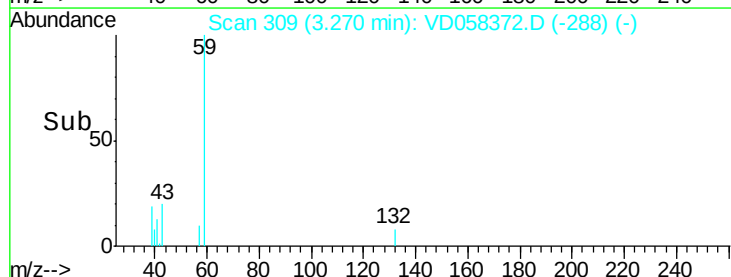
3000

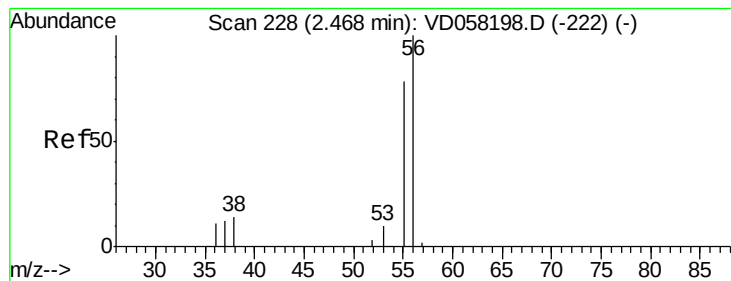
2000

1000

0

Time--> 3.20 3.27 3.30 3.40





#13

Acrolein

Concen: 1.763 ug/l

RT: 2.40 min Scan# 221

Delta R.T. -0.06 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

Instrument :

MSVOA_D

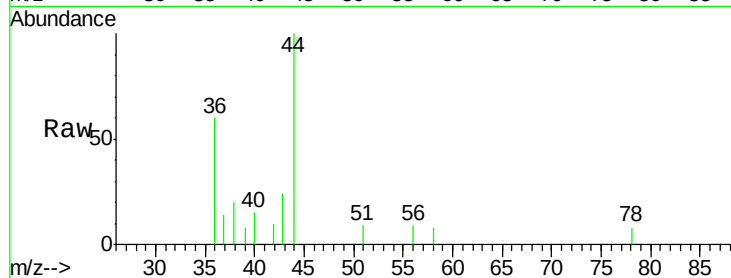
ClientSampleId :

Tot Ion: 56 Resp: 207

Ion Ratio Lower Upper

56 100

55 0.0 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

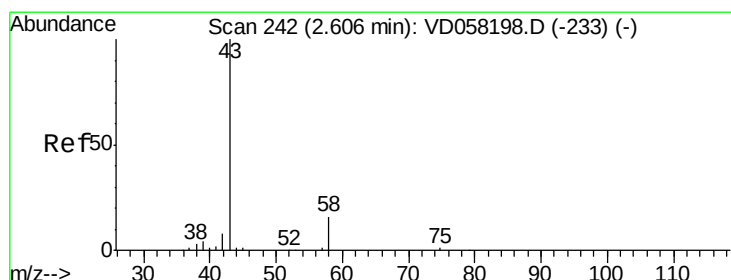
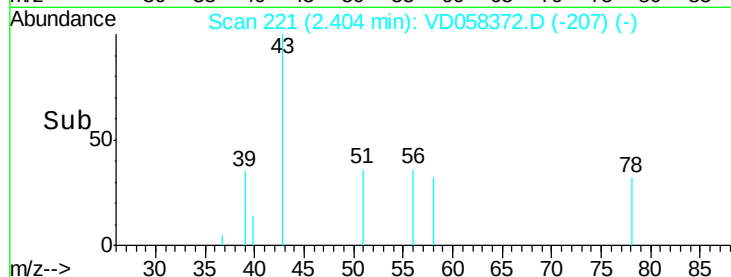
1000

500

0

2.38 2.40 2.42

Time-->



#16

Acetone

Concen: 228.454 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD058372.D

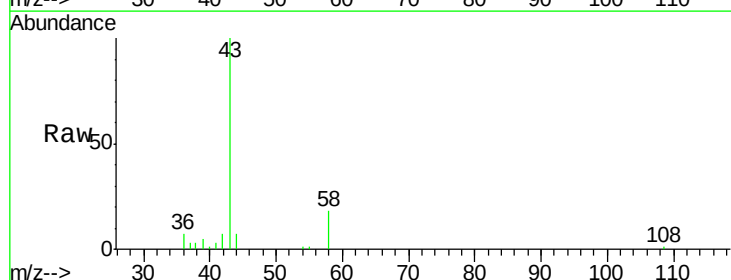
Acq: 24 Jun 2018 15:25

Tgt Ion: 43 Resp: 194861

Ion Ratio Lower Upper

43 100

58 18.3 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

60000

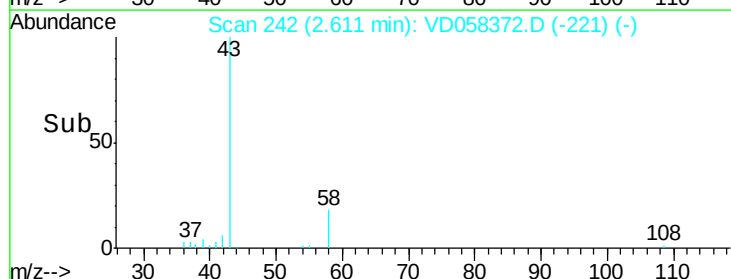
40000

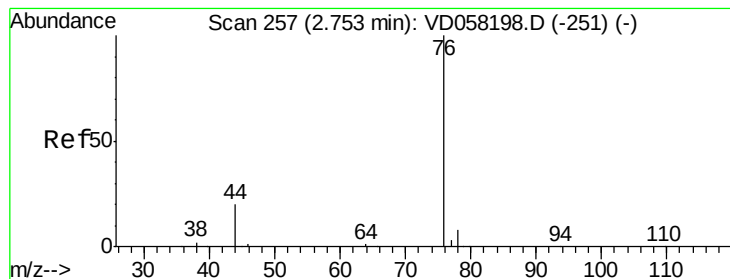
20000

0

2.40 2.50 2.60 2.70 2.80

Time-->





#17

Carbon Disulfide

Concen: 1.132 ug/l

RT: 2.77 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

Instrument :

MSVOA_D

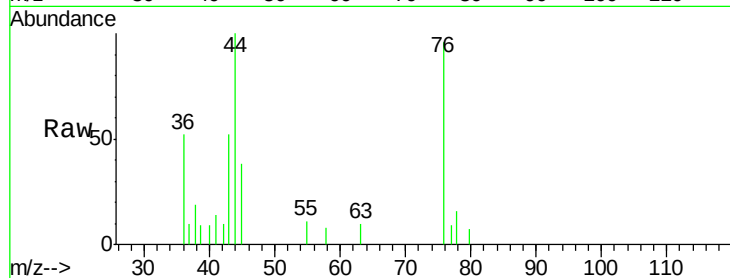
ClientSampleId :

Tot Ion: 76 Resp: 8173

Ion Ratio Lower Upper

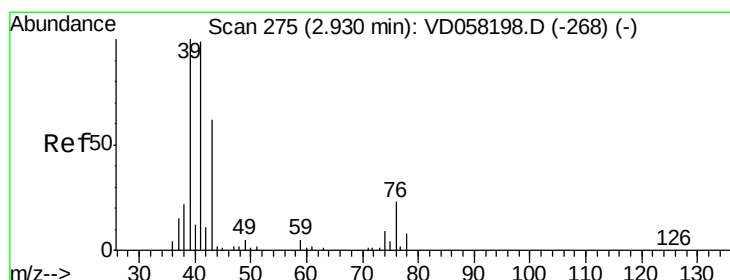
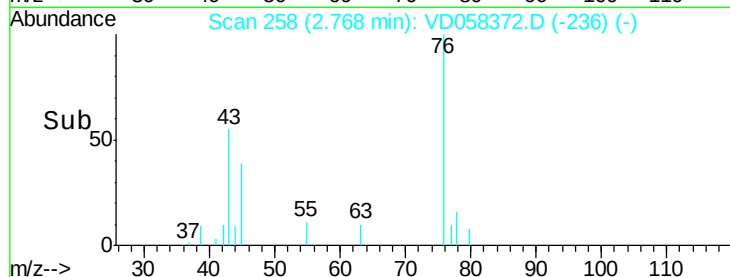
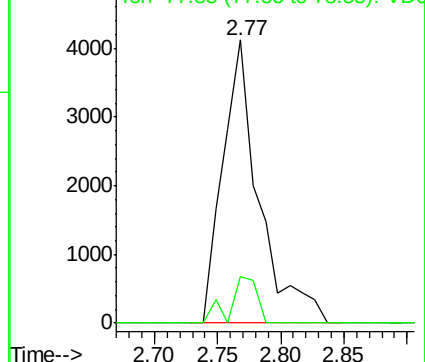
76 100

78 16.4 6.8 10.2#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 3.702 ug/l

RT: 2.94 min Scan# 275

Delta R.T. 0.01 min

Lab File: VD058372.D

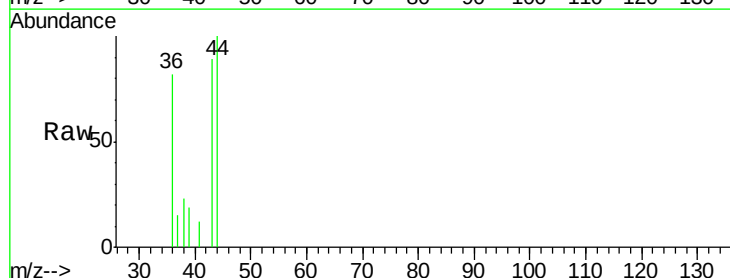
Acq: 24 Jun 2018 15:25

Tgt Ion: 43 Resp: 6735

Ion Ratio Lower Upper

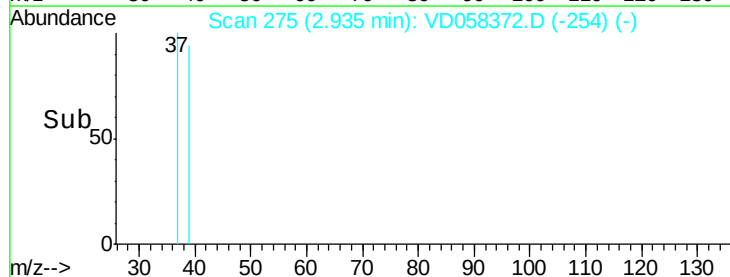
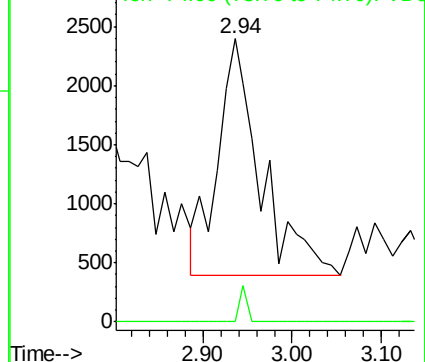
43 100

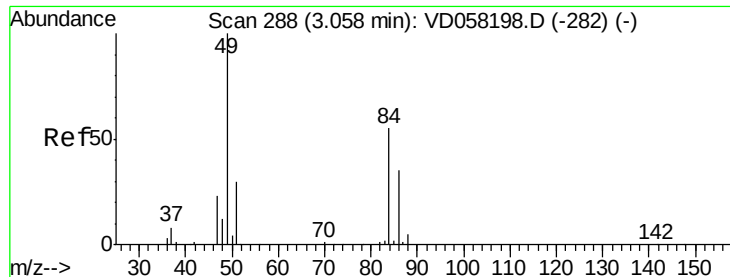
74 0.0 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

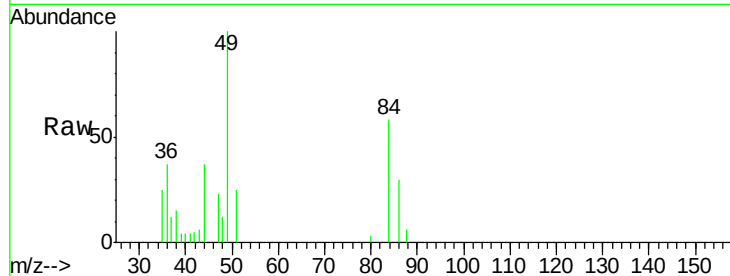




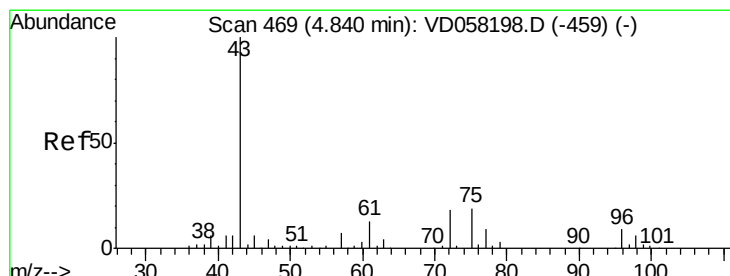
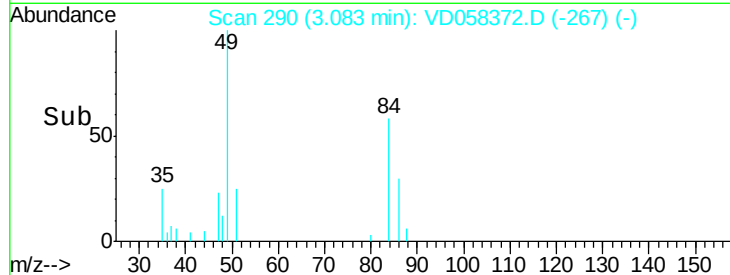
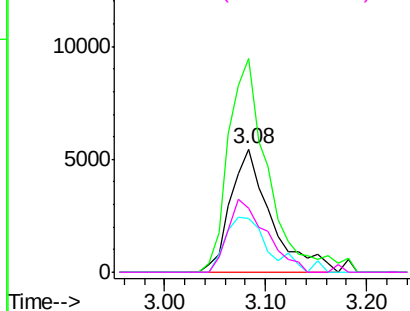
#20
Methvlene Chloride
Concen: 2.244 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.03 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	84	Resp:	15132
Ion	Ratio	Lower	Upper
84	100		
49	173.8	145.0	217.6
51	43.8	42.9	64.3
86	51.6	50.1	75.1

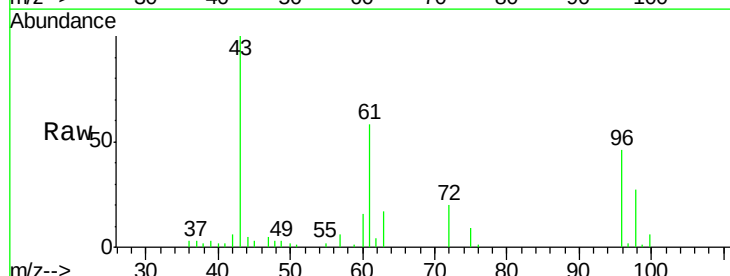


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

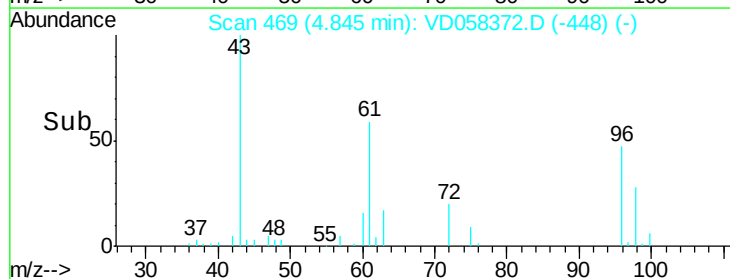
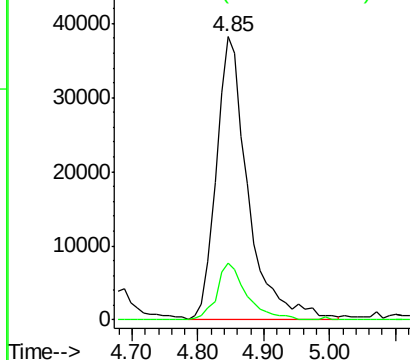


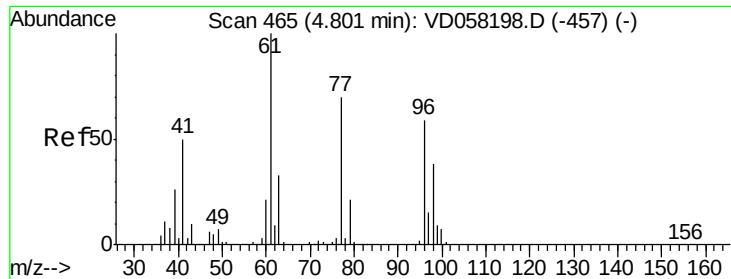
#25
2-Butanone
Concen: 69.065 ug/l
RT: 4.85 min Scan# 469
Delta R.T. 0.01 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

Tgt Ion:	43	Resp:	128394
Ion	Ratio	Lower	Upper
43	100		
72	19.9	14.1	21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



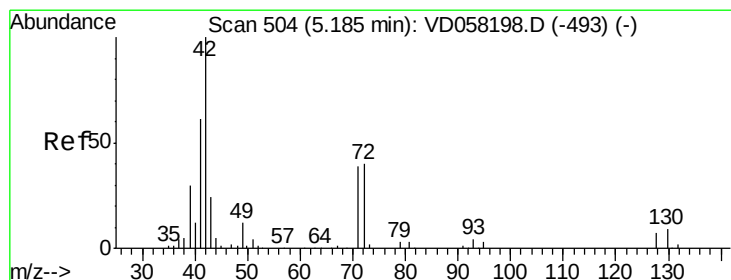
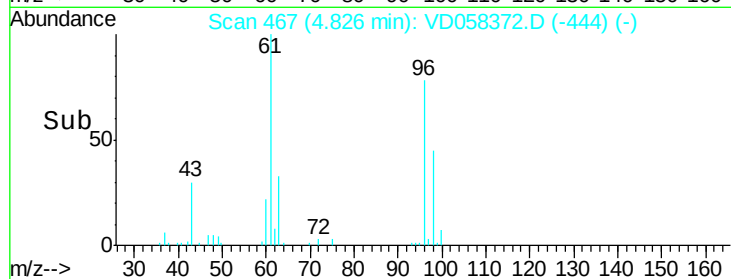
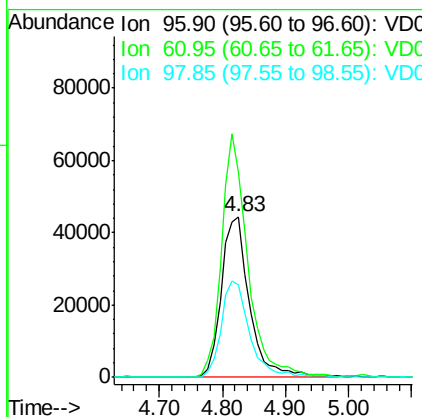
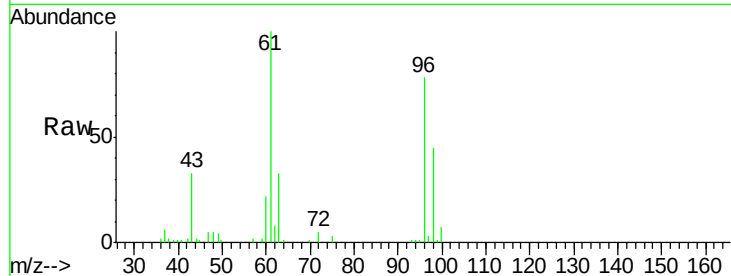


#27

cis-1,2-Dichloroethene
 Concen: 23.815 ug/l
 RT: 4.83 min Scan# 467
 Delta R.T. 0.02 min
 Lab File: VD058372.D
 Acq: 24 Jun 2018 15:25

Instrument :
 MSVOA_D
 ClientSampled :

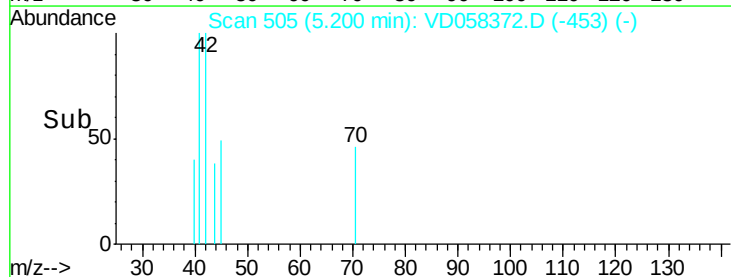
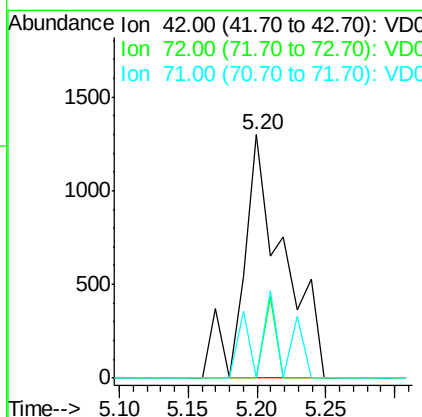
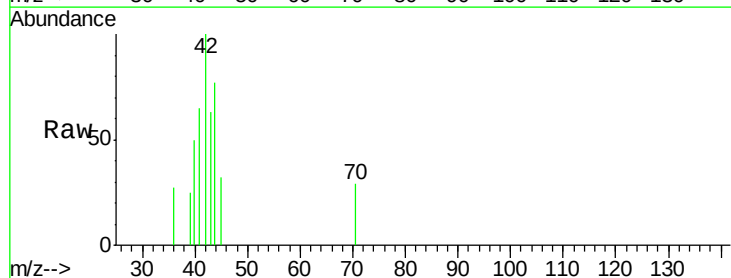
Tot Ion	96	Resp	137976
Ion	Ratio	Lower	Upper
96	100		
61	127.9	0.0	338.6
98	57.6	0.0	130.2

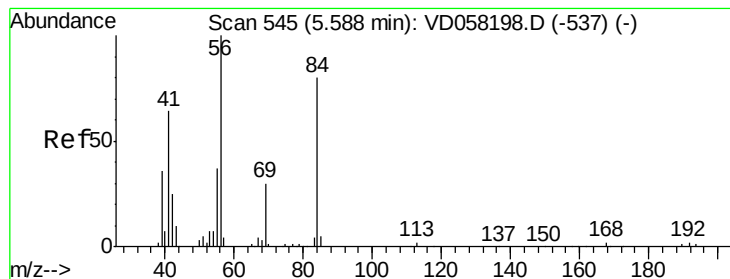


#29

Tetrahydrofuran
 Concen: 2.688 ug/l
 RT: 5.20 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VD058372.D
 Acq: 24 Jun 2018 15:25

Tgt Ion	42	Resp	2660
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.2	45.2#
71	7.9	30.1	45.1#





#31

Cyclohexane

Concen: Below Cal

RT: 5.60 min Scan# 546

Delta R.T. 0.02 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

Instrument :

MSVOA_D

ClientSampled :

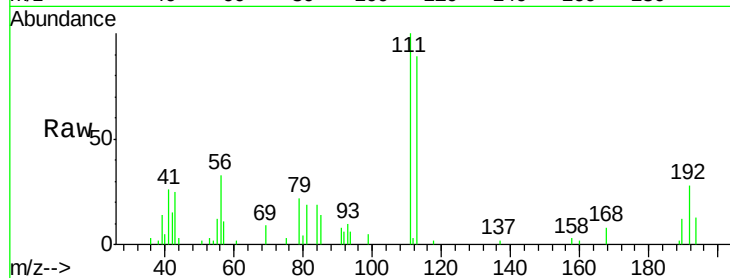
Tot Ion: 56 Resp: 14832

Ion Ratio Lower Upper

56 100

69 26.9 23.6 35.4

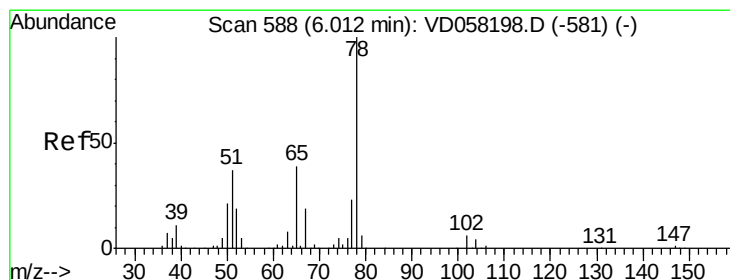
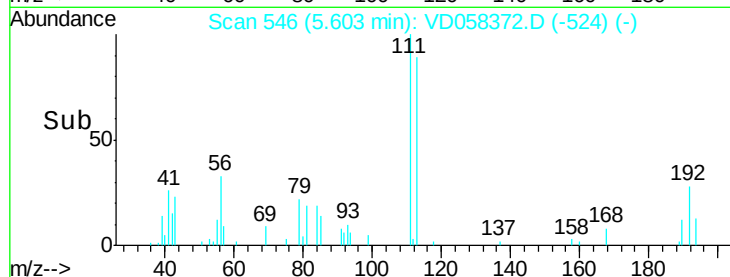
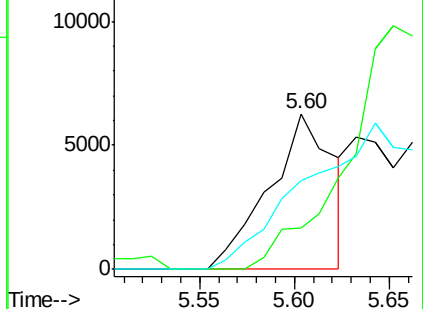
84 57.1 65.2 97.8#



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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058372.D

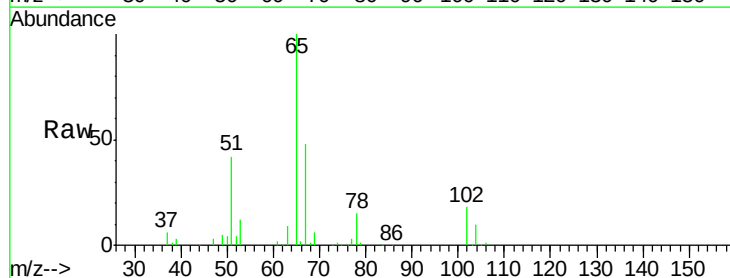
Acq: 24 Jun 2018 15:25

Tgt Ion: 65 Resp: 369467

Ion Ratio Lower Upper

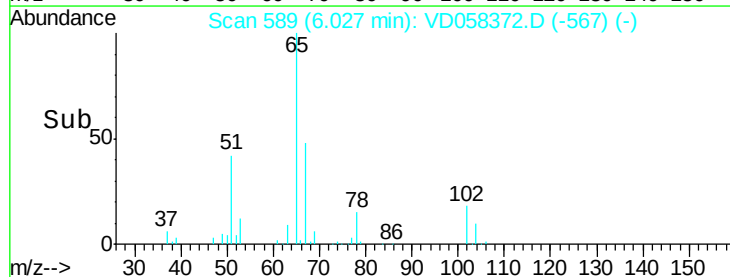
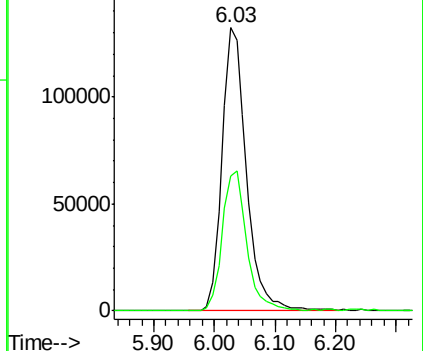
65 100

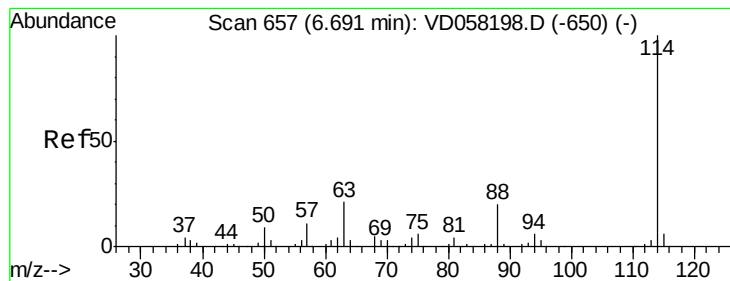
67 47.8 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.71 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

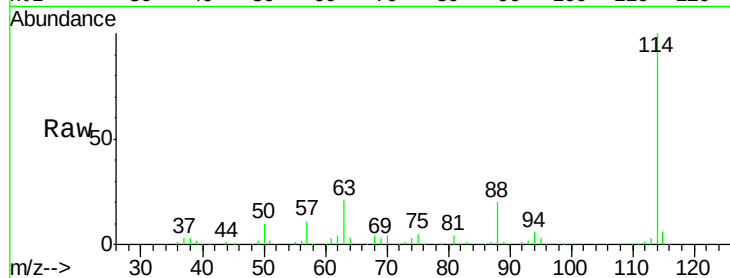
Tot Ion:114 Resp: 828958

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

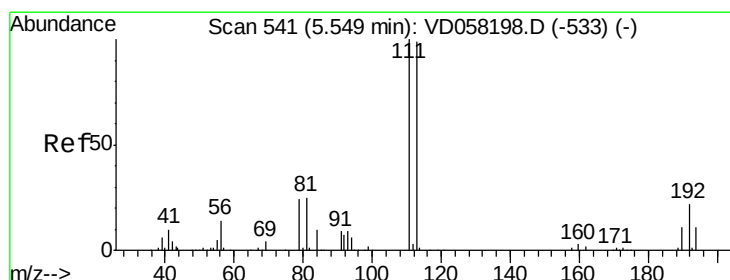
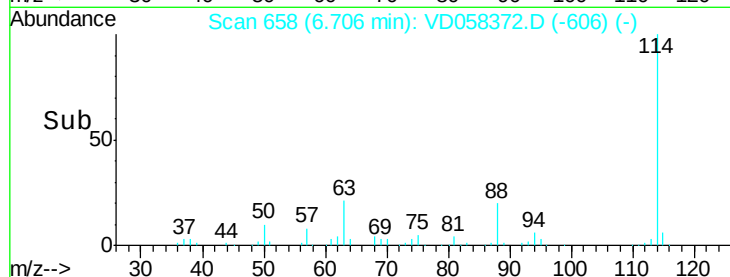
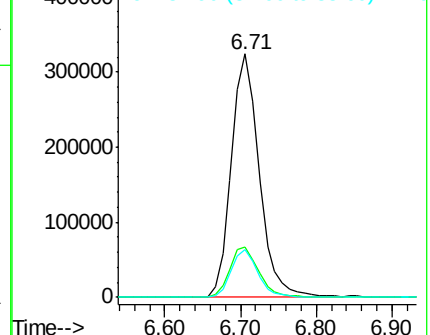
88 19.5 0.0 40.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

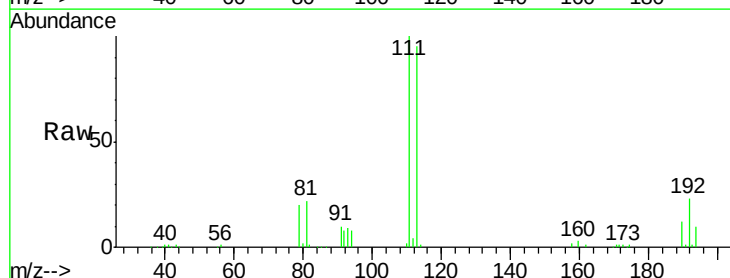
Tgt Ion:113 Resp: 368949

Ion Ratio Lower Upper

113 100

111 105.4 80.6 121.0

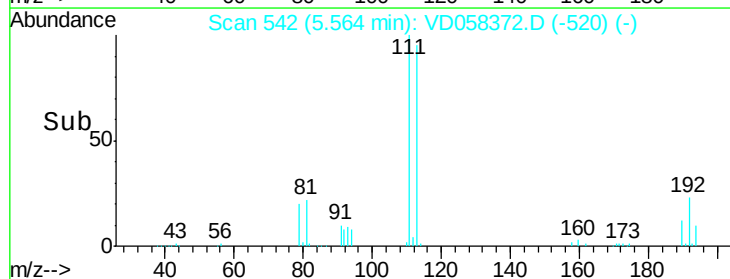
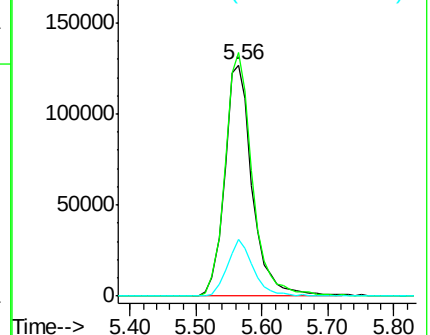
192 24.8 17.8 26.6

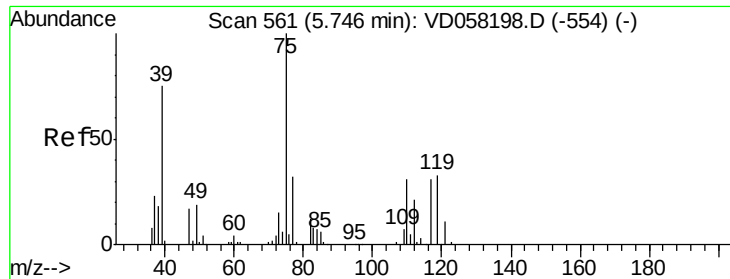


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

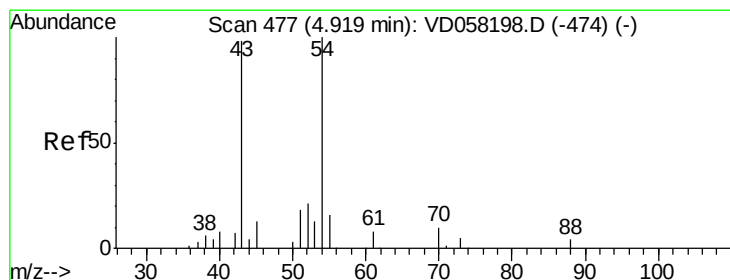
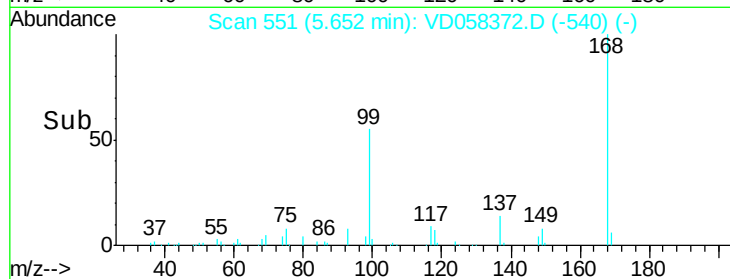
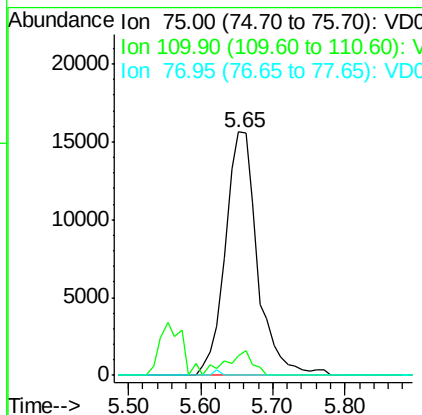
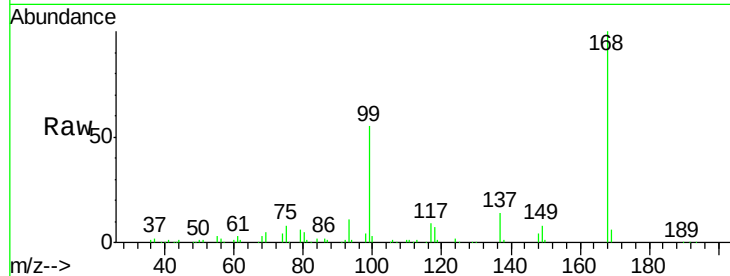




#36
 1,1-Dichloropropene
 Concen: 5.919 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.09 min
 Lab File: VD058372.D
 Acq: 24 Jun 2018 15:25

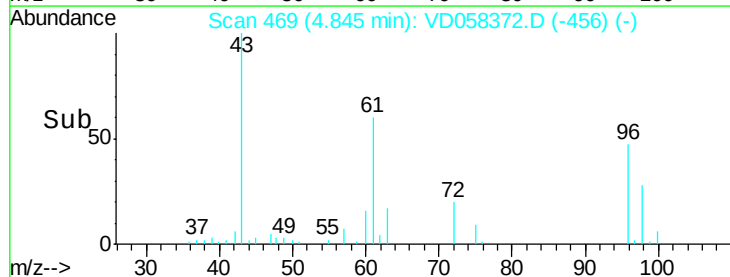
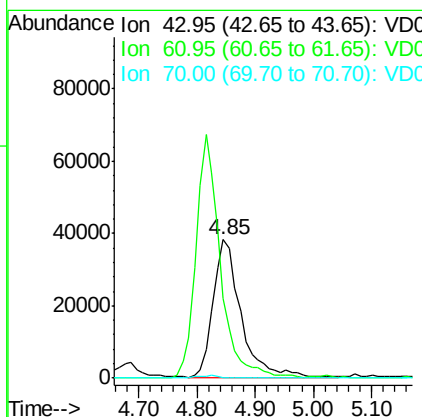
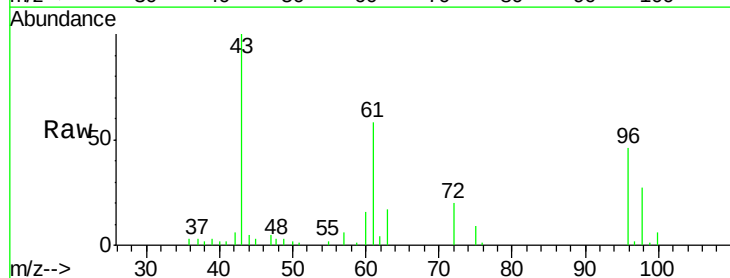
Instrument :
 MSVOA_D
 ClientSampleId :

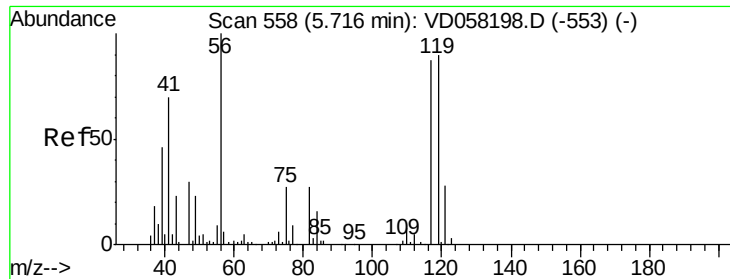
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	15.4	46.4#
77	0.0	25.4	38.2#



#37
 Ethyl Acetate
 Concen: 27.638 ug/l
 RT: 4.85 min Scan# 469
 Delta R.T. -0.07 min
 Lab File: VD058372.D
 Acq: 24 Jun 2018 15:25

Tgt Ion	Ratio	Lower	Upper
43	100		
61	58.1	10.3	15.5#
70	0.0	5.7	8.5#

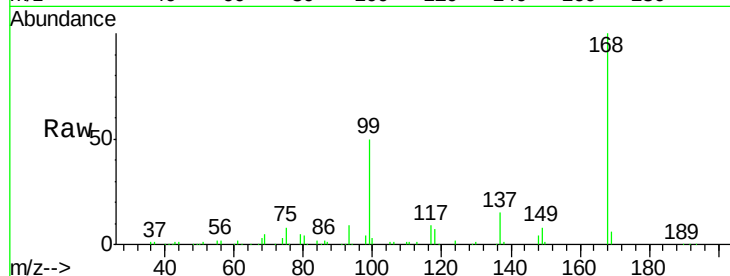




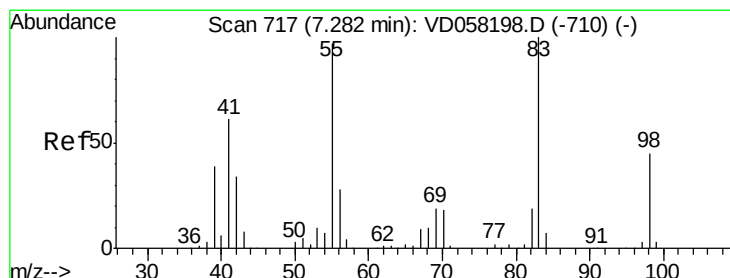
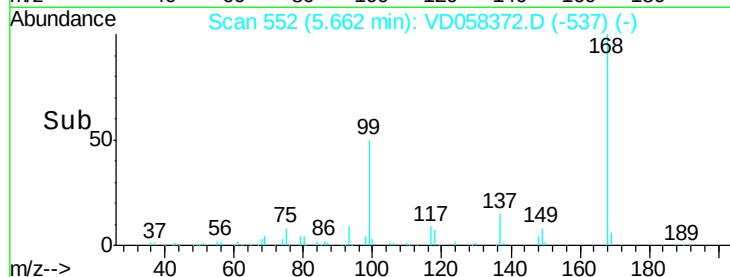
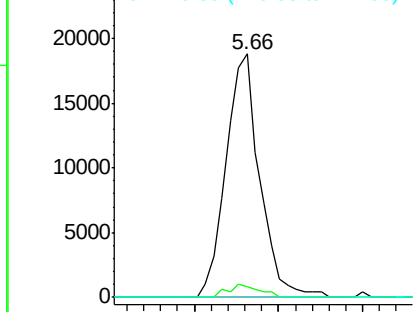
#38
Carbon Tetrachloride
Concen: 6.432 ug/l
RT: 5.66 min Scan# 552
Delta R.T. -0.05 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 52405
Ion Ratio Lower Upper
117 100
119 4.6 78.8 118.2#
121 0.0 25.0 37.6#

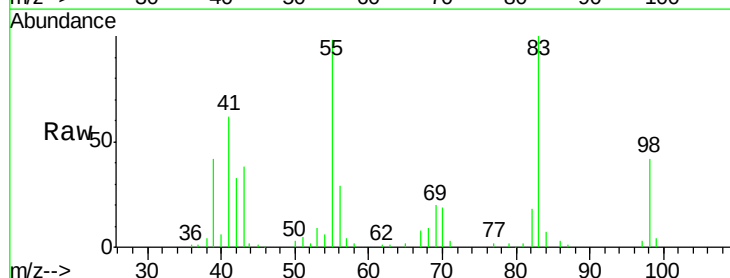


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

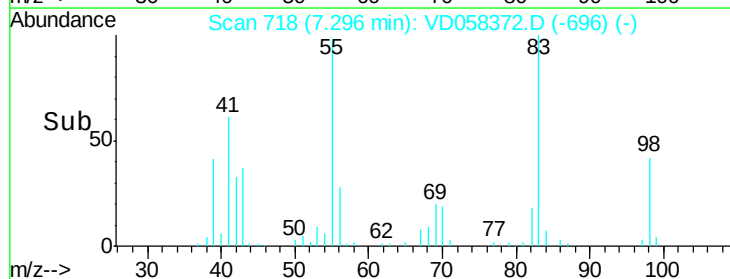
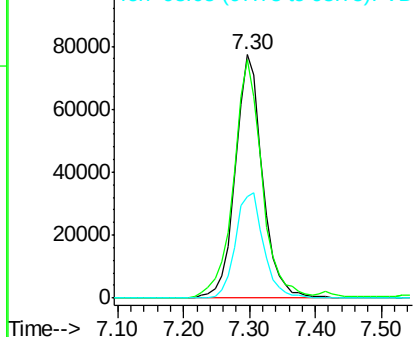


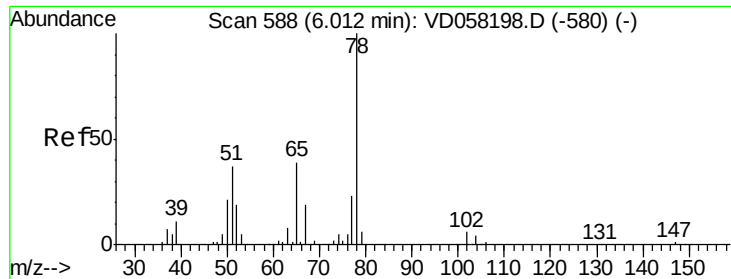
#39
Methylcyclohexane
Concen: 28.050 ug/l
RT: 7.30 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

Tgt Ion: 83 Resp: 224048
Ion Ratio Lower Upper
83 100
55 98.0 77.4 116.2
98 42.0 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: 2.713 ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

Instrument :

MSVOA_D

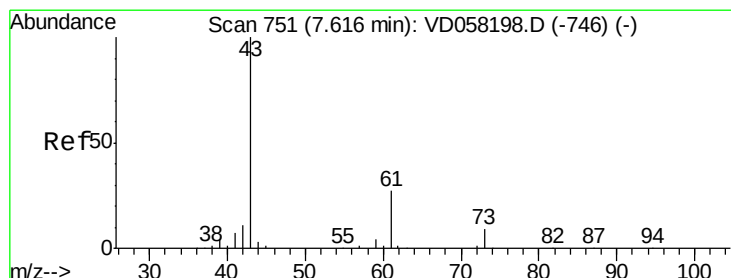
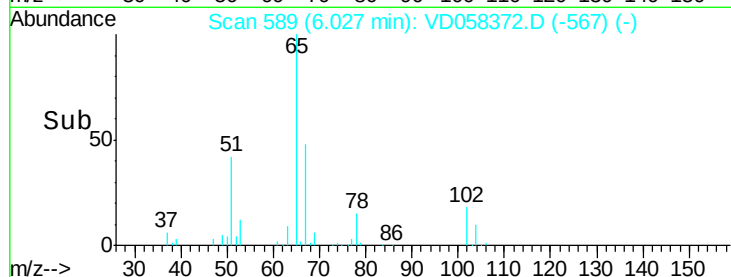
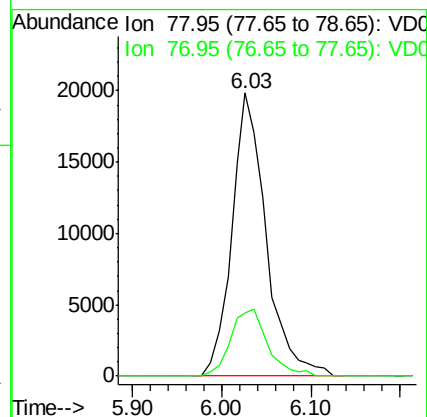
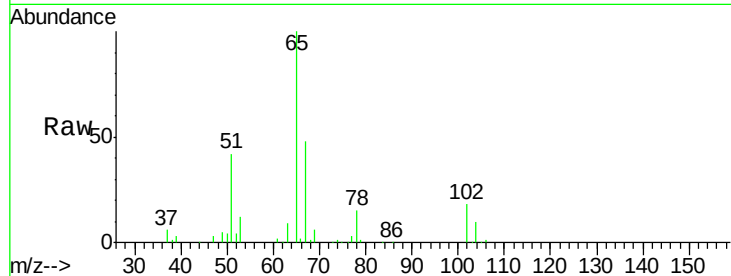
ClientSampled :

Tot Ion: 78 Resp: 52993

Ion Ratio Lower Upper

78 100

77 22.4 18.5 27.7



#43

Isopropyl Acetate

Concen: 2.069 ug/l

RT: 7.66 min Scan# 755

Delta R.T. 0.04 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

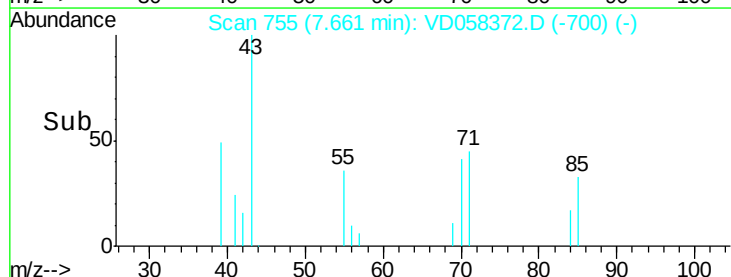
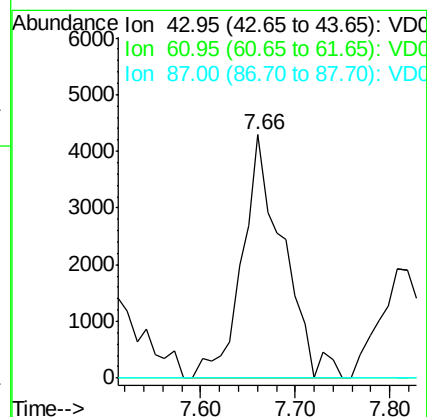
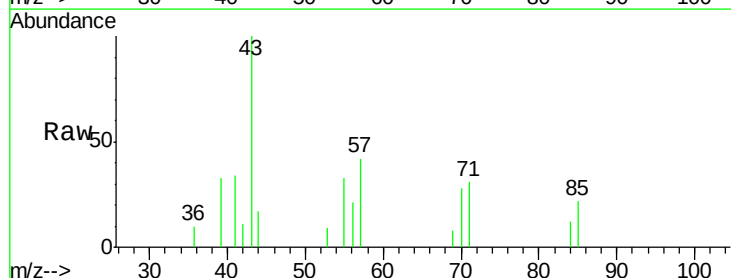
Tgt Ion: 43 Resp: 12890

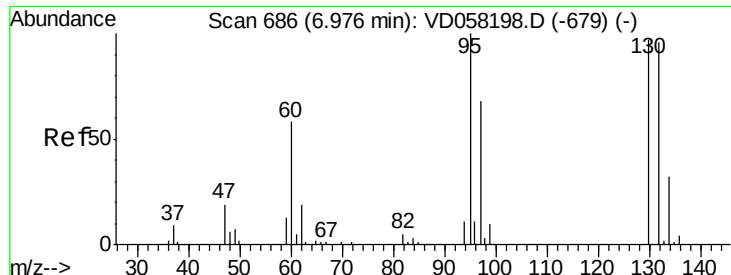
Ion Ratio Lower Upper

43 100

61 0.0 21.8 32.6#

87 0.0 0.3 0.5#

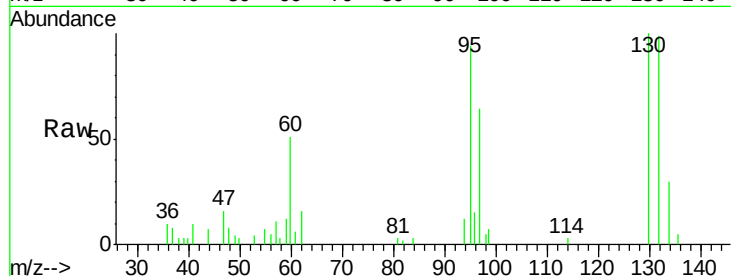




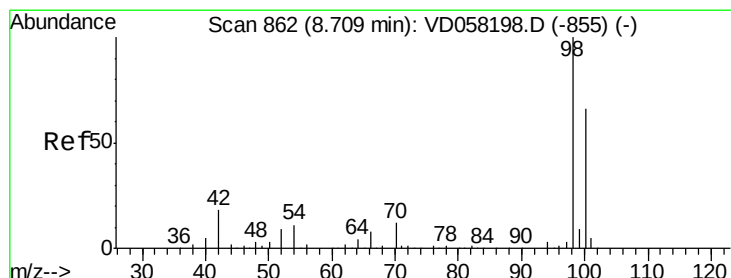
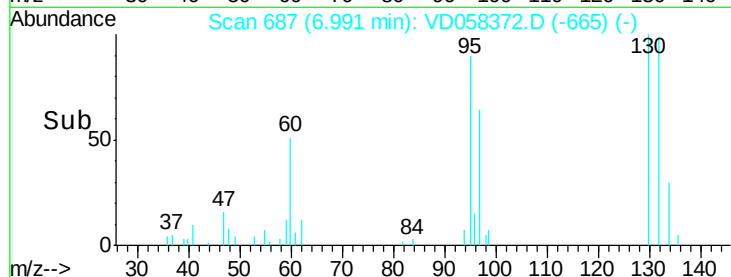
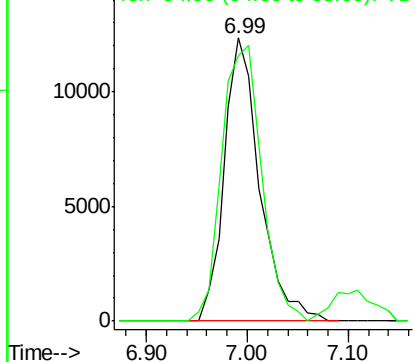
#44
 Trichloroethene
 Concen: 5.146 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. 0.01 min
 Lab File: VD058372.D
 Acq: 24 Jun 2018 15:25

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:130 Resp: 30187
 Ion Ratio Lower Upper
 130 100
 95 94.0 0.0 205.6

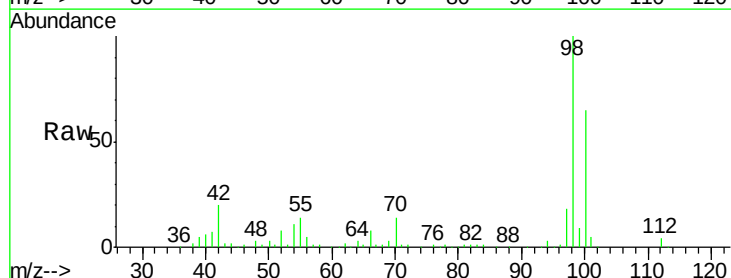


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC

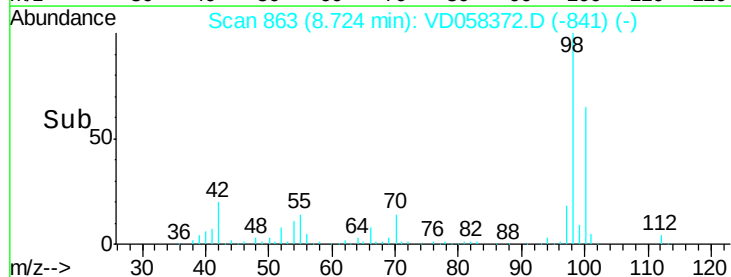
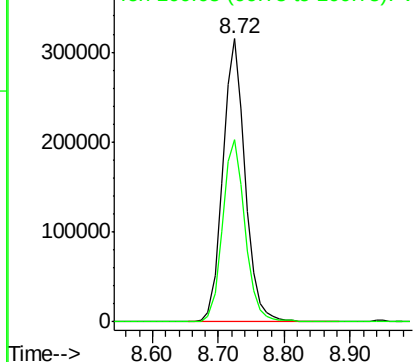


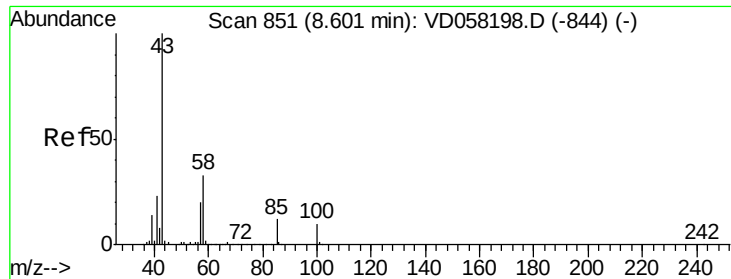
#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 8.72 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VD058372.D
 Acq: 24 Jun 2018 15:25

Tgt Ion: 98 Resp: 744380
 Ion Ratio Lower Upper
 98 100
 100 64.6 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: 6.543 ug/l

RT: 8.62 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

Instrument :

MSVOA_D

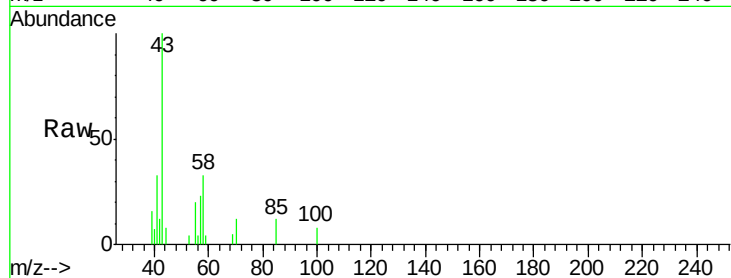
ClientSampleId :

Tot Ion: 43 Resp: 26587

Ion Ratio Lower Upper

43 100

58 32.9 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

12000

10000

8000

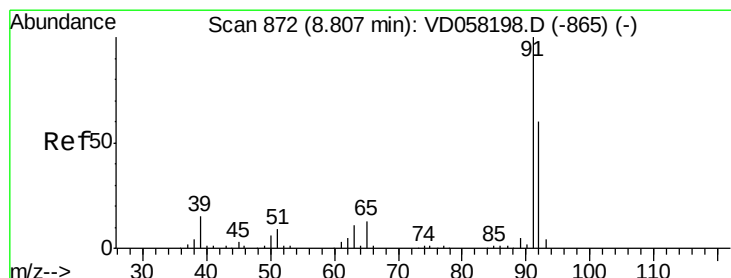
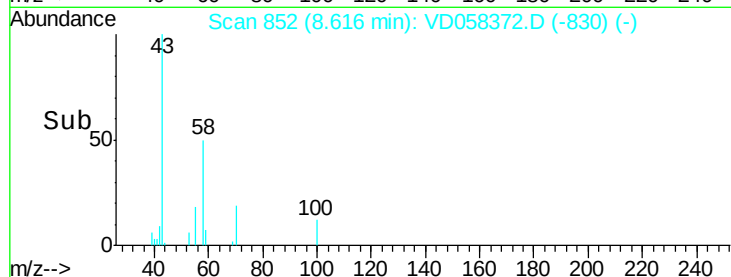
6000

4000

2000

0

Time-->



#52

Toluene

Concen: 4.488 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD058372.D

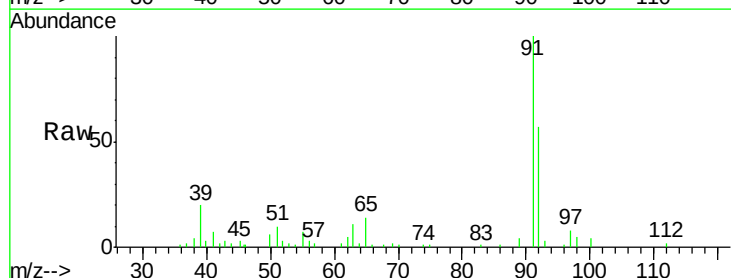
Acq: 24 Jun 2018 15:25

Tgt Ion: 92 Resp: 49925

Ion Ratio Lower Upper

92 100

91 174.9 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

40000

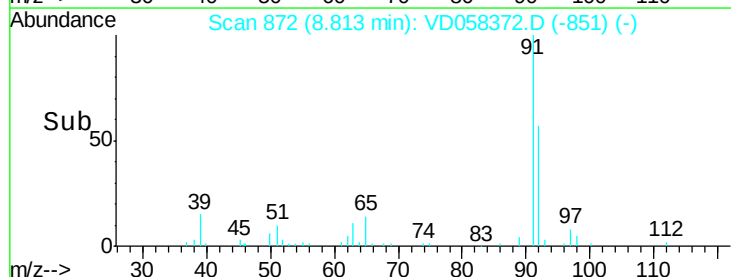
30000

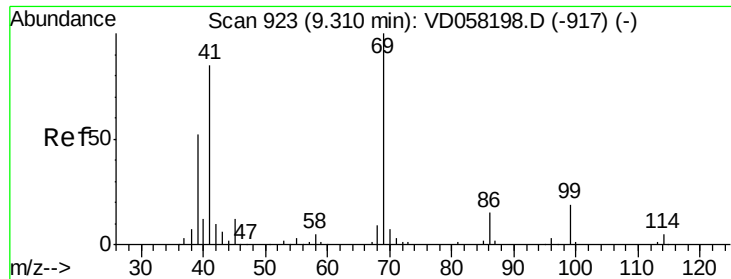
20000

10000

0

Time-->

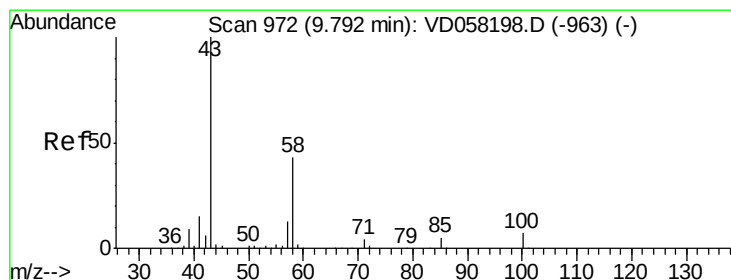
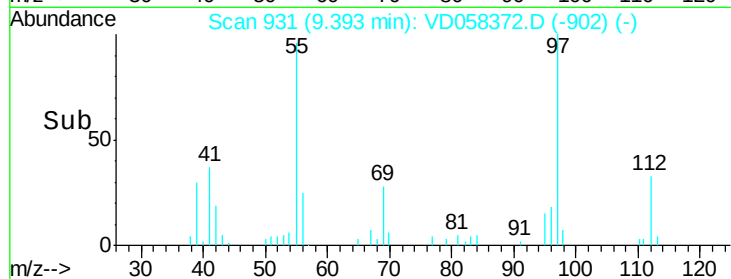
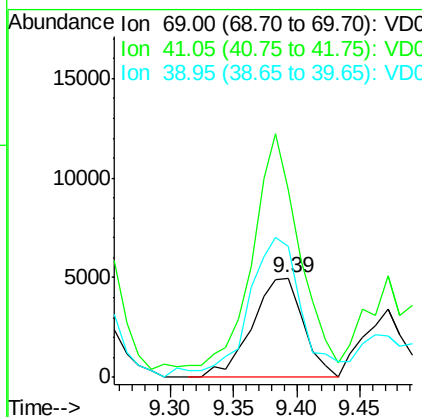
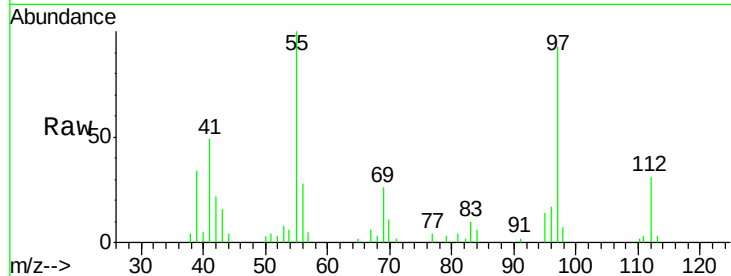




#56
Ethyl methacrylate
Concen: 2.979 ug/l
RT: 9.39 min Scan# 931
Delta R.T. 0.08 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

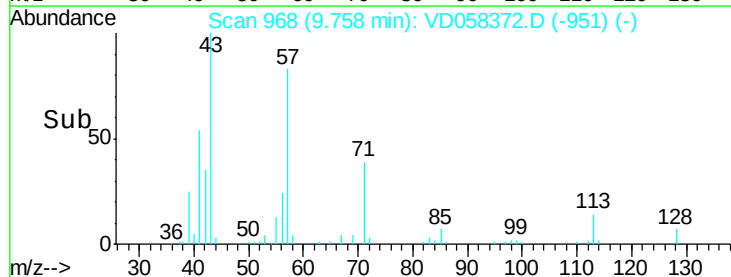
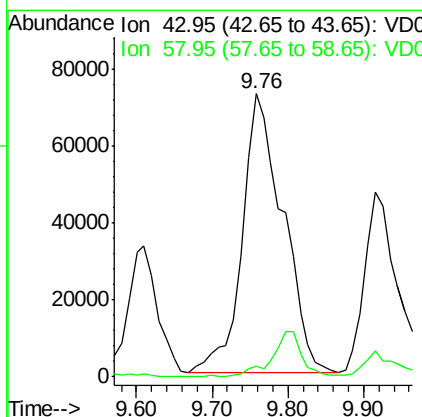
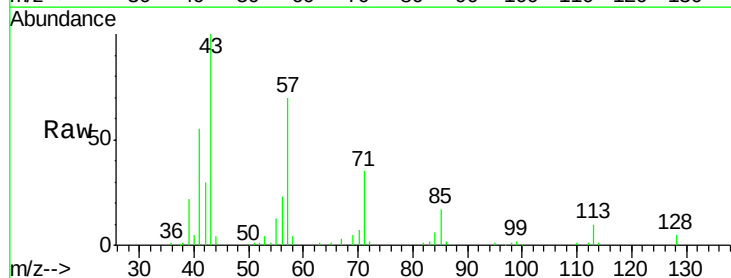
Instrument :
MSVOA_D
ClientSampled :

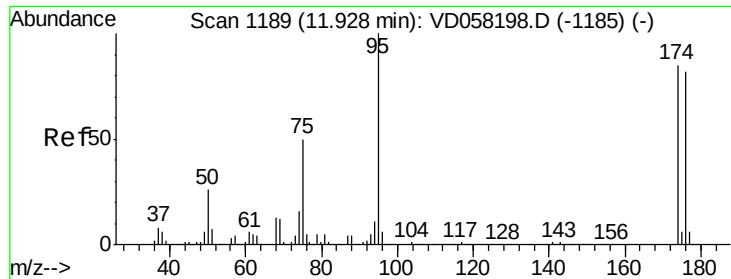
Tot Ion: 69 Resp: 14020
Ion Ratio Lower Upper
69 100
41 187.9 67.6 101.4#
39 131.4 42.2 63.2#



#59
2-Hexanone
Concen: 92.086 ug/l
RT: 9.76 min Scan# 968
Delta R.T. -0.03 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

Tgt Ion: 43 Resp: 270359
Ion Ratio Lower Upper
43 100
58 3.7 21.7 65.1#

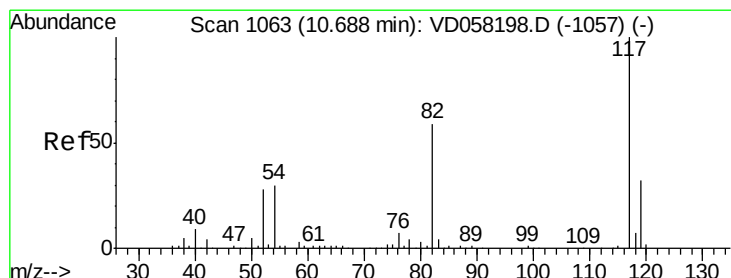
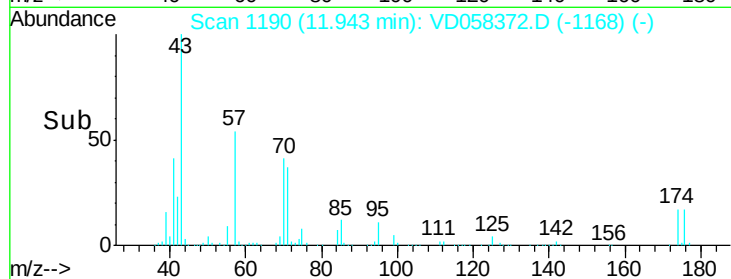
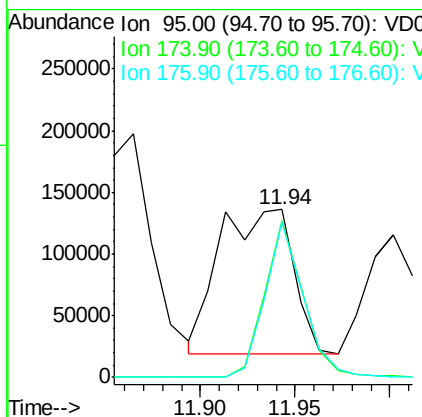
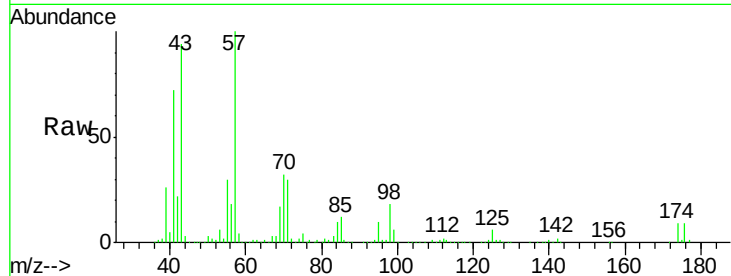




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

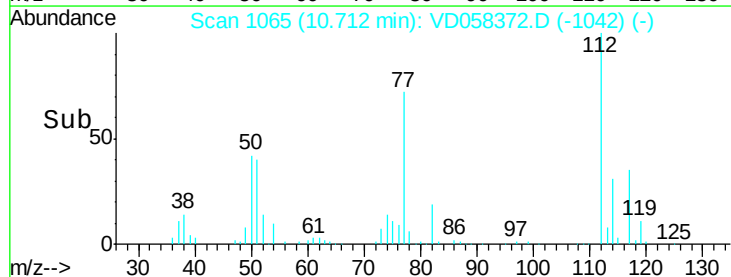
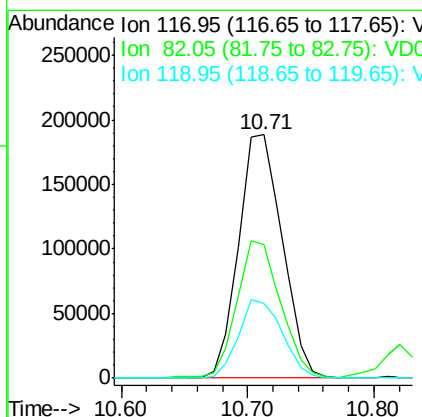
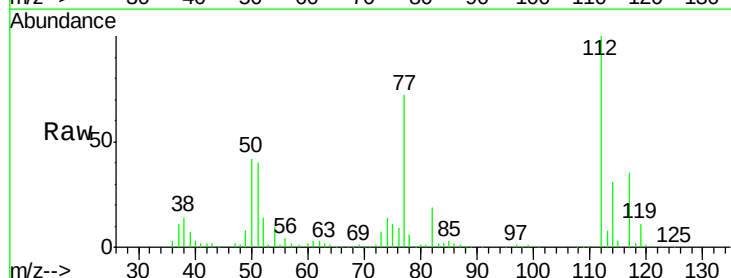
Instrument :
MSVOA_D
ClientSampled :

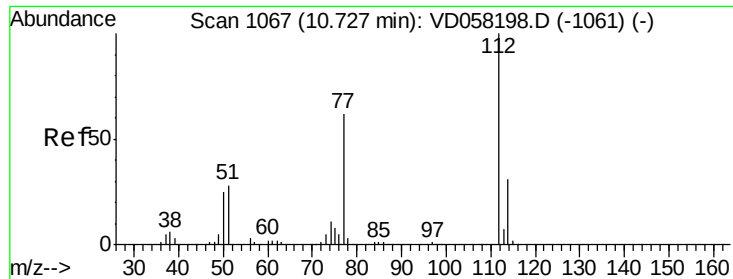
Tot Ion: 95 Resp: 314718
Ion Ratio Lower Upper
95 100
174 93.0 0.0 170.2
176 92.6 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. 0.02 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

Tgt Ion: 117 Resp: 452592
Ion Ratio Lower Upper
117 100
82 54.7 47.0 70.6
119 30.6 25.3 37.9

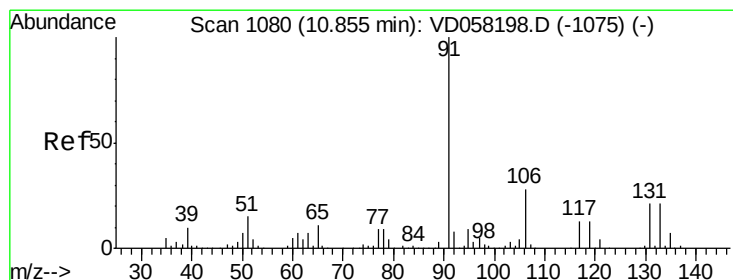
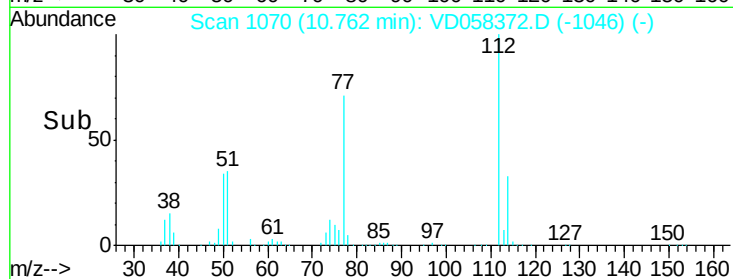
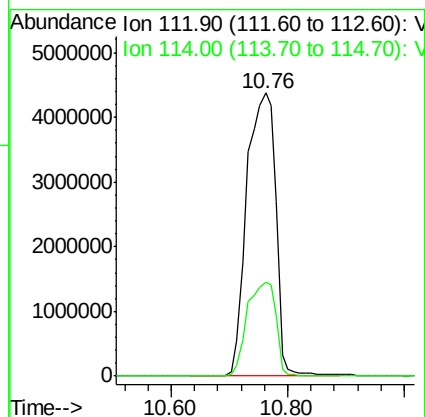
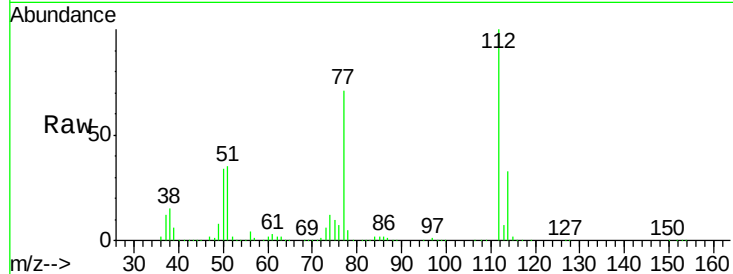




#65
Chlorobenzene
Concen: 1806.519 ug/l
RT: 10.76 min Scan# 1070
Delta R.T. 0.03 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

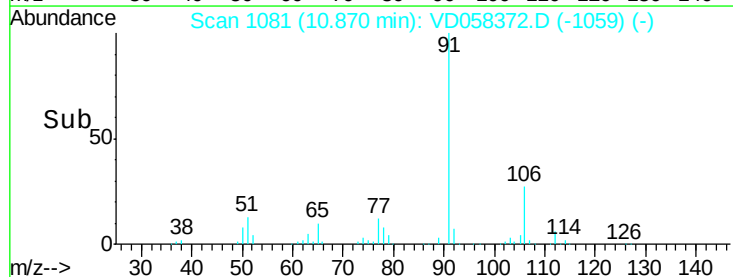
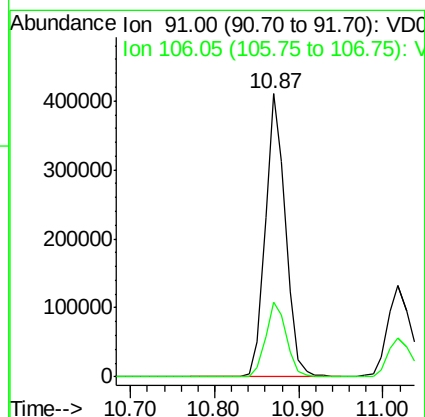
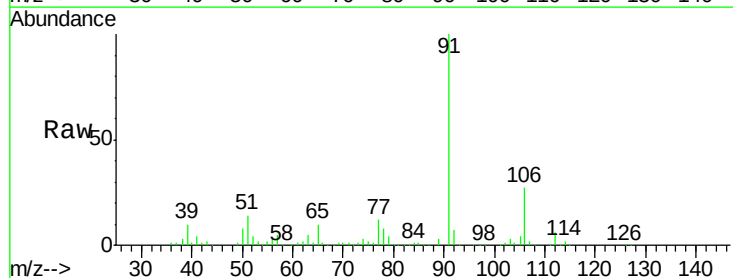
Instrument :
MSVOA_D
ClientSampleId :

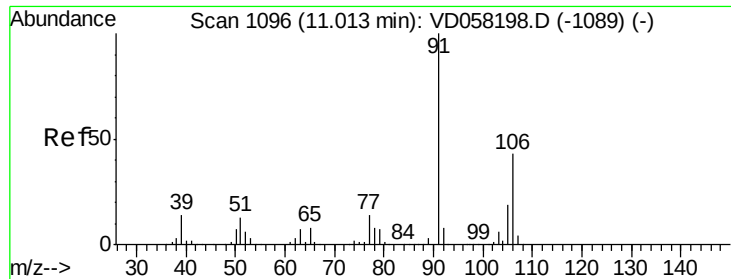
Tot Ion:112 Resp:15293903
Ion Ratio Lower Upper
112 100
114 33.0 25.0 37.4



#67
Ethyl Benzene
Concen: 46.407 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

Tgt Ion: 91 Resp: 693607
Ion Ratio Lower Upper
91 100
106 26.6 22.0 33.0

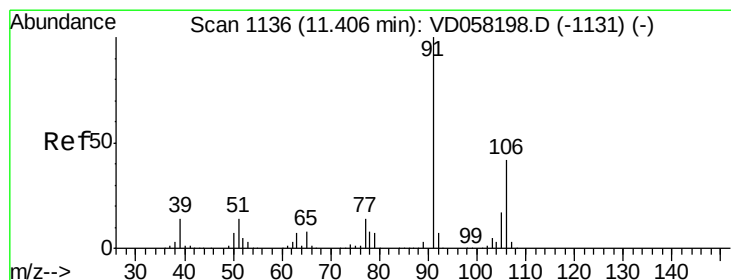
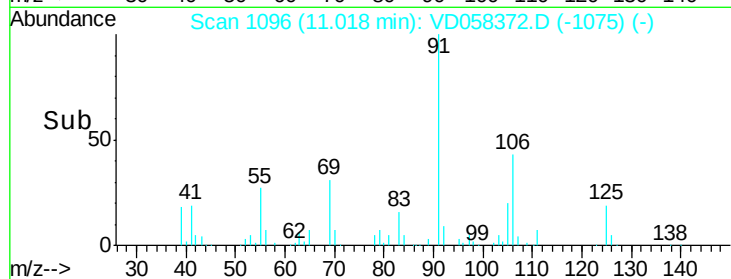
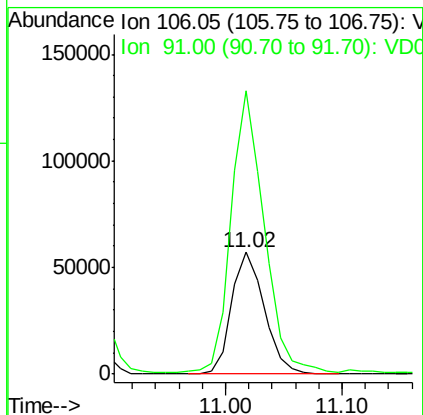
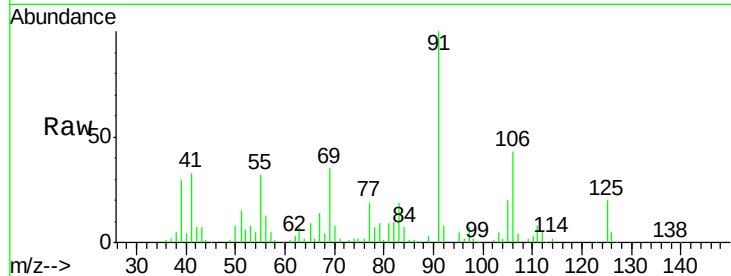




#68
m/p-Xylenes
Concen: 22.409 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

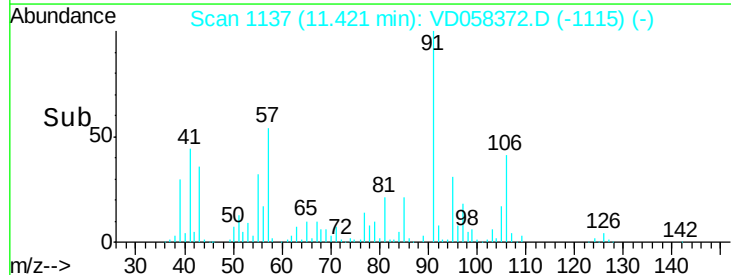
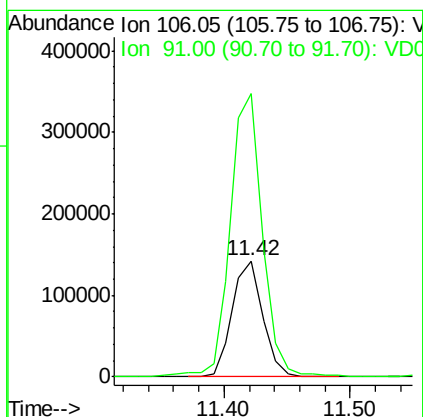
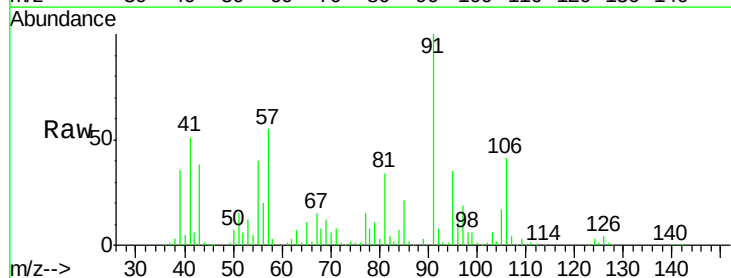
Instrument :
MSVOA_D
ClientSampleId :

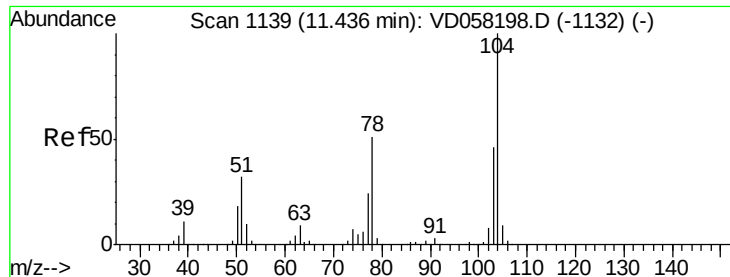
Tot Ion:106 Resp: 111693
Ion Ratio Lower Upper
106 100
91 232.1 185.0 277.6



#69
o-Xylene
Concen: 49.963 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

Tgt Ion:106 Resp: 237849
Ion Ratio Lower Upper
106 100
91 244.0 120.2 360.6

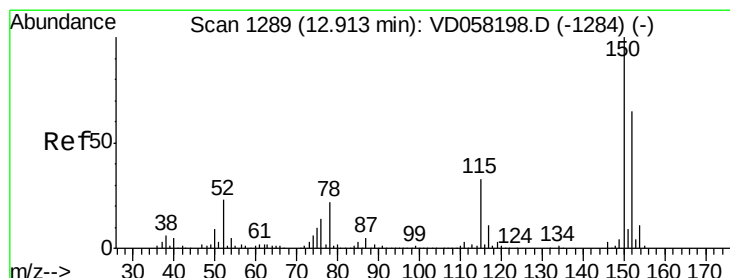
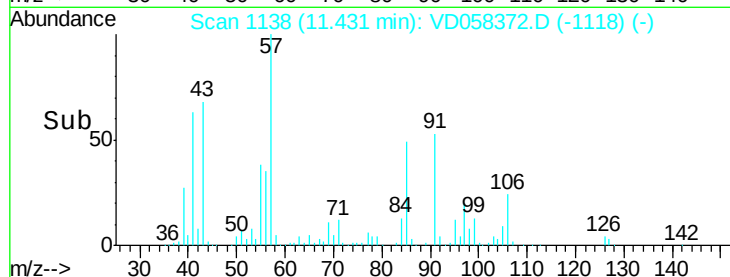
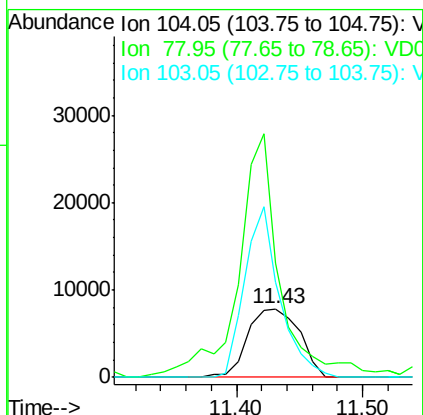
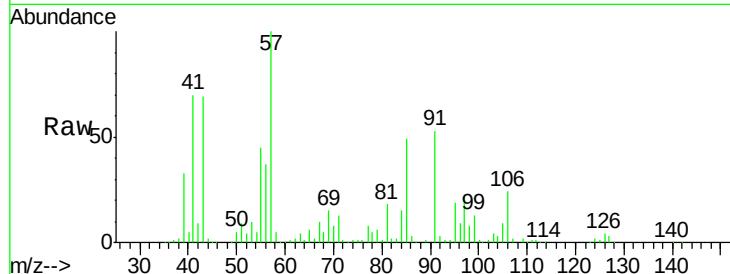




#70
Stvrene
Concen: 2.751 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

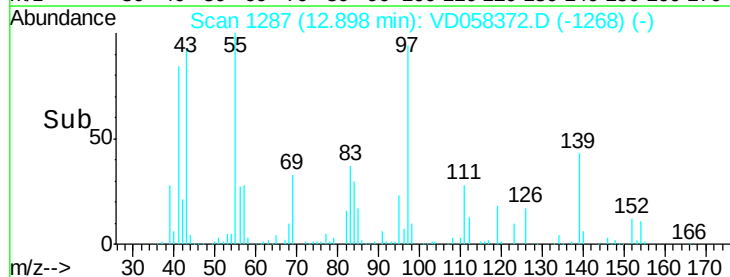
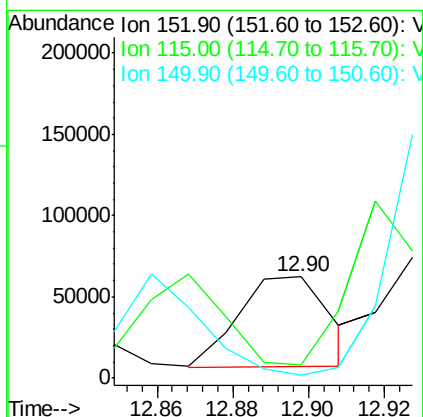
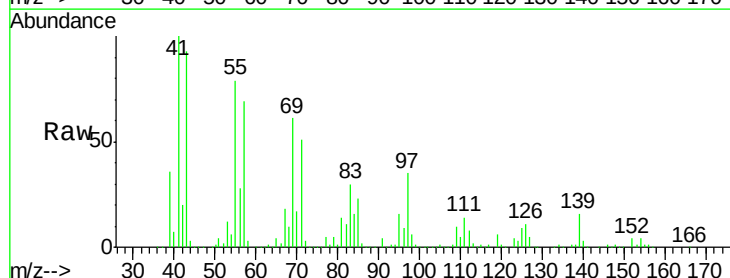
Instrument :
MSVOA_D
ClientSampleId :

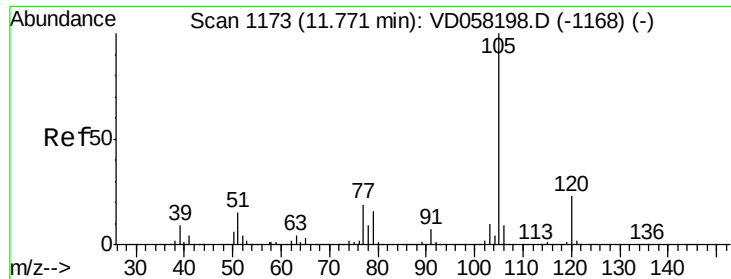
Tot Ion:104 Resp: 22344
Ion Ratio Lower Upper
104 100
78 166.7 40.8 61.2#
103 139.0 37.0 55.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

Tgt Ion:152 Resp: 92080
Ion Ratio Lower Upper
152 100
115 12.8 25.1 75.3#
150 3.0 0.0 308.8

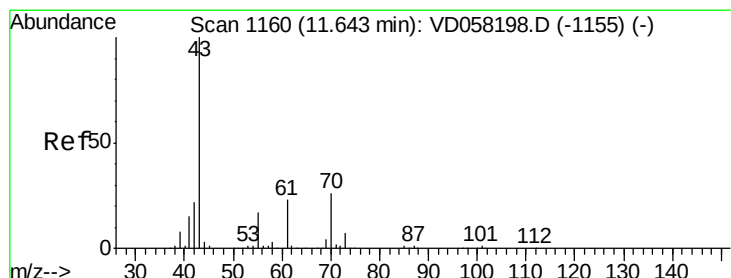
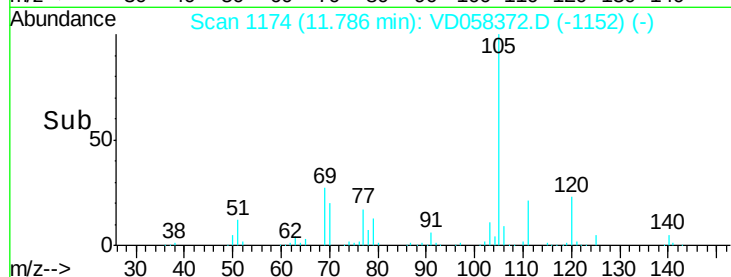
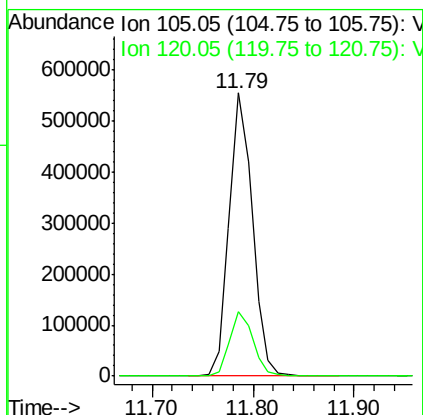
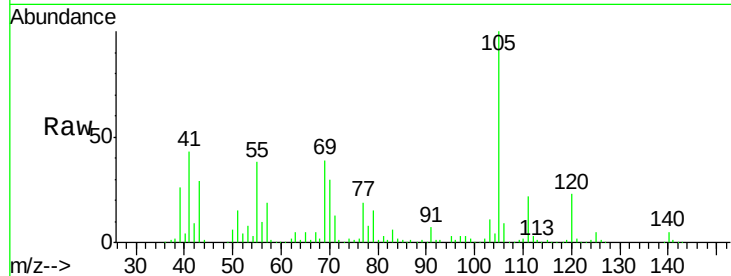




#73
Isopropylbenzene
Concen: 160.900 ug/l
RT: 11.79 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

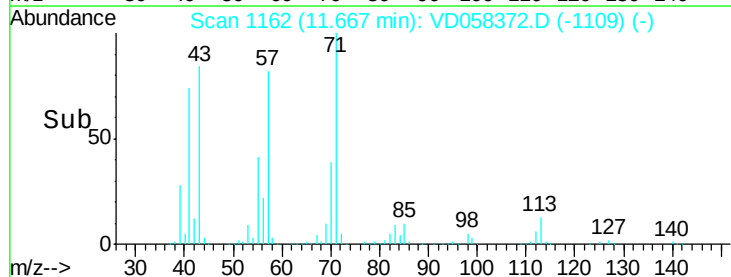
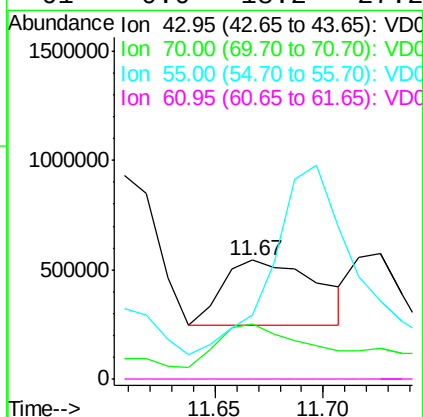
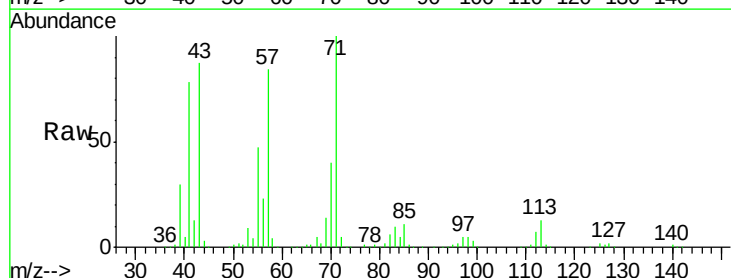
Instrument :
MSVOA_D
ClientSampleId :

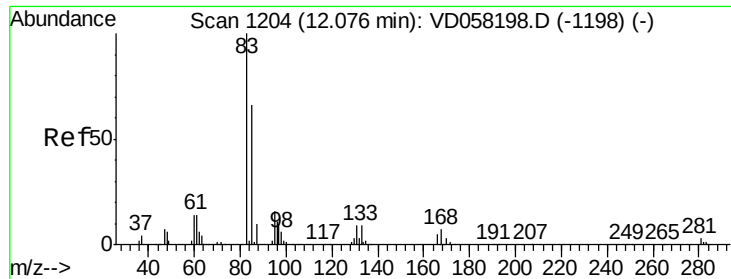
Tot Ion:105 Resp: 886194
Ion Ratio Lower Upper
105 100
120 22.7 11.6 34.8



#74
N-ethyl acetate
Concen: 426.291 ug/l
RT: 11.67 min Scan# 1162
Delta R.T. 0.02 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

Tgt Ion: 43 Resp: 907829
Ion Ratio Lower Upper
43 100
70 46.3 20.9 31.3#
55 54.3 13.5 20.3#
61 0.0 18.2 27.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 332.742 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. 0.03 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

Instrument :

MSVOA_D

ClientSampled :

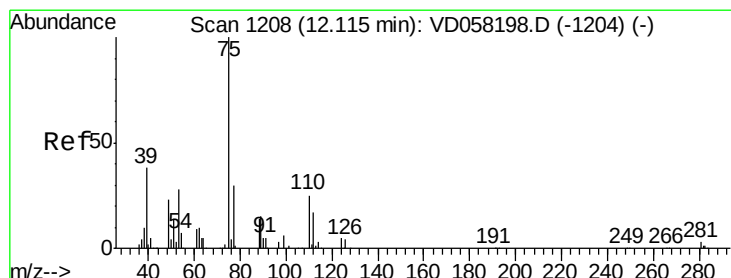
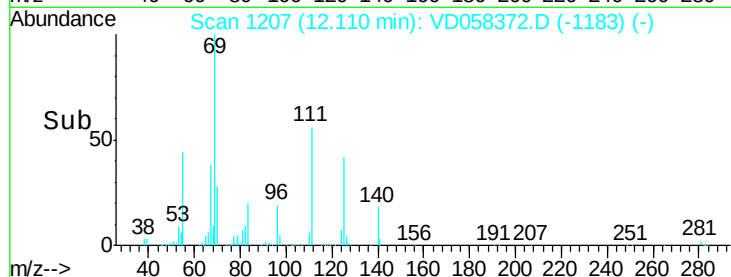
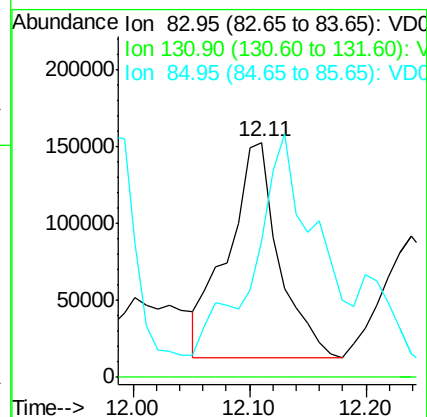
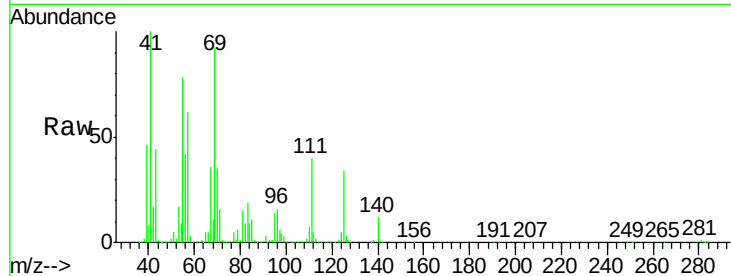
Tot Ion: 83 Resp: 426482

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 58.1 33.1 99.5



#76

1,2,3-Trichloropropane

Concen: 2.724 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. -0.01 min

Lab File: VD058372.D

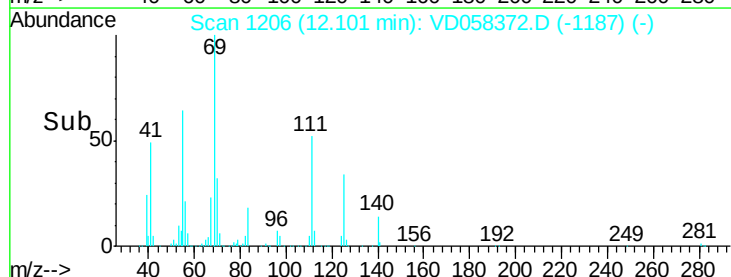
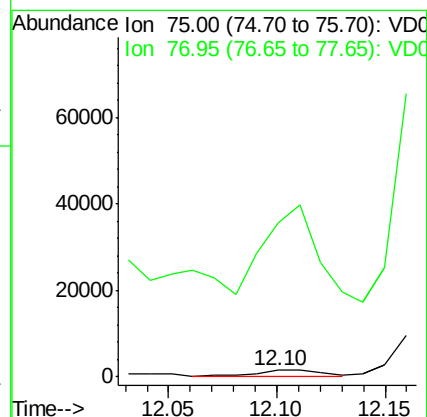
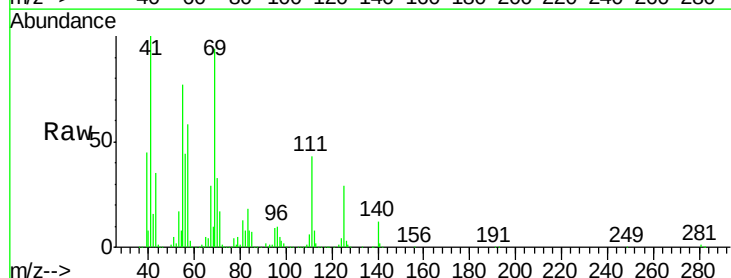
Acq: 24 Jun 2018 15:25

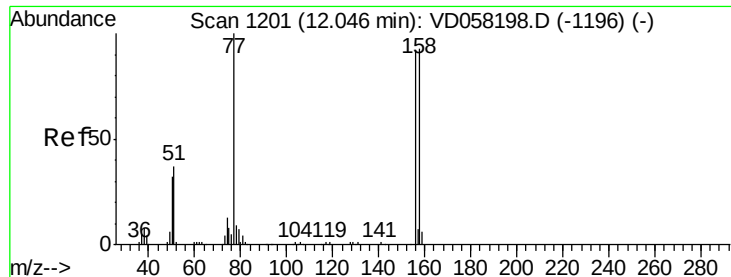
Tgt Ion: 75 Resp: 3662

Ion Ratio Lower Upper

75 100

77 2345.7 16.0 47.9#





#77

Bromobenzene

Concen: 3.860 ug/l

RT: 12.13 min Scan# 1209

Delta R.T. 0.08 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

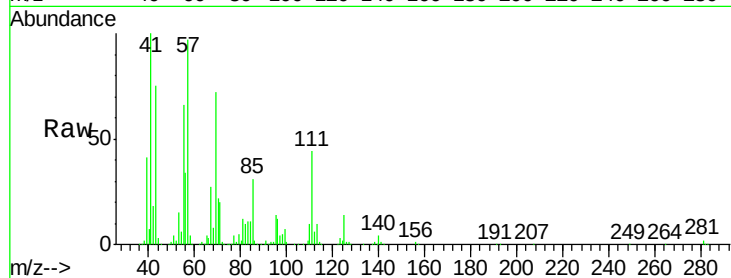
Tot Ion:156 Resp: 6367

Ion Ratio Lower Upper

156 100

77 688.4 54.5 163.6#

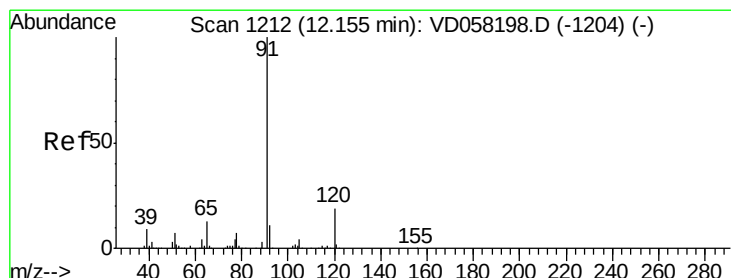
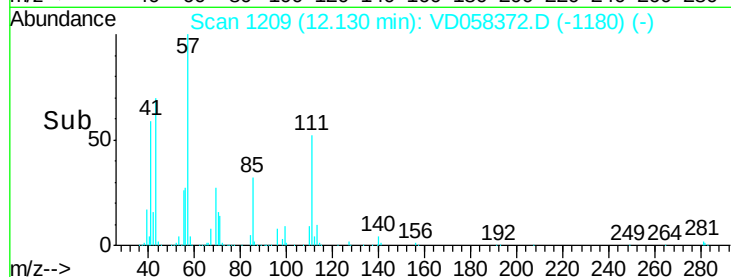
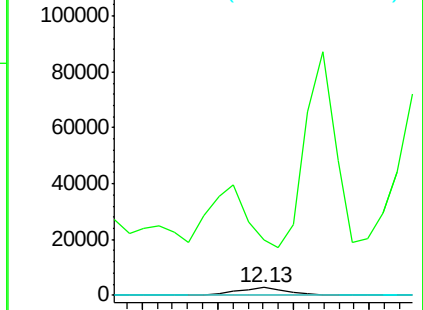
158 0.0 50.8 152.5#



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 383.622 ug/l

RT: 12.17 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD058372.D

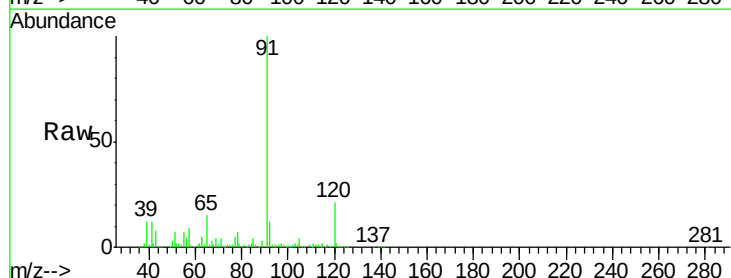
Acq: 24 Jun 2018 15:25

Tgt Ion: 91 Resp: 2728569

Ion Ratio Lower Upper

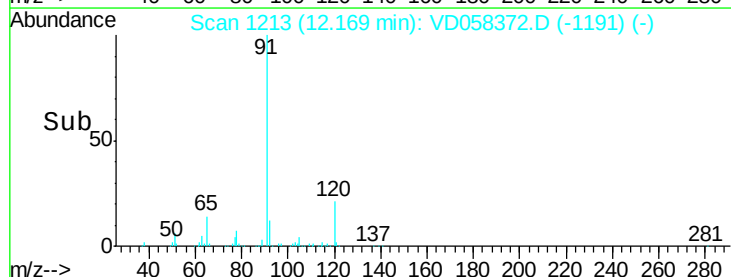
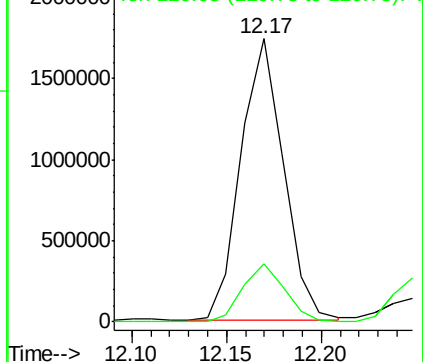
91 100

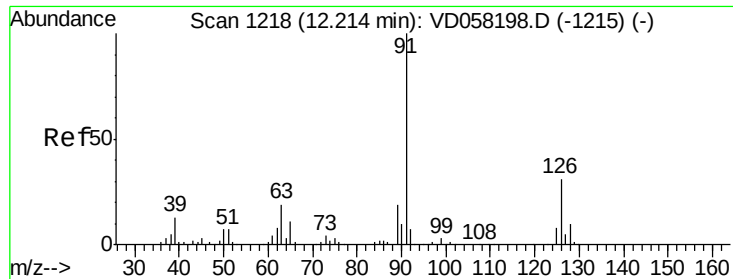
120 20.5 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

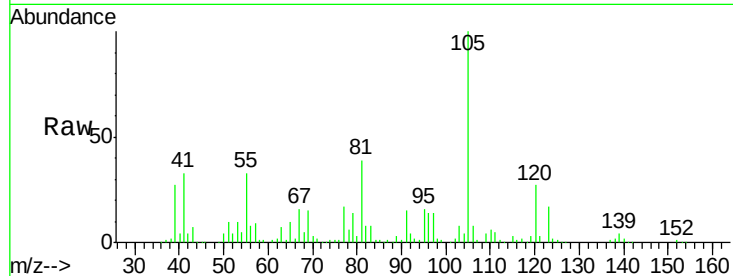




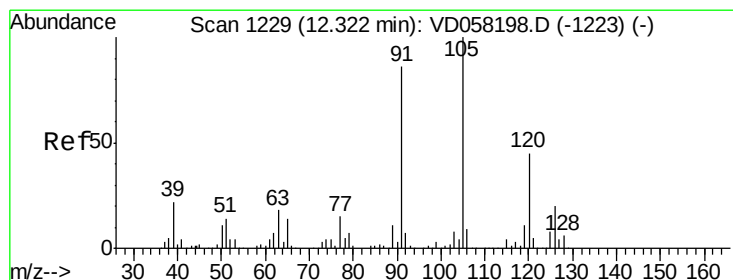
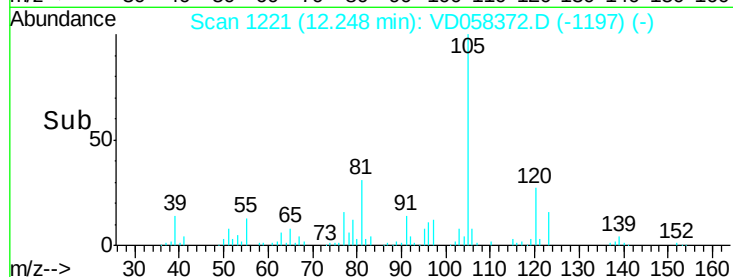
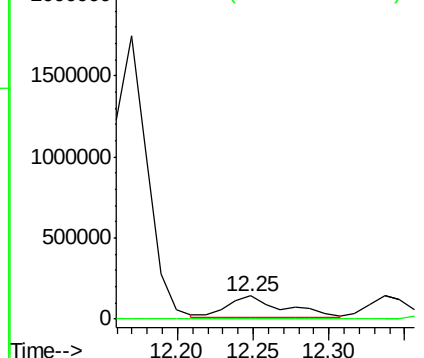
#79
 2-Chlorotoluene
 Concen: 81.023 ug/l
 RT: 12.25 min Scan# 1221
 Delta R.T. 0.03 min
 Lab File: VD058372.D
 Acq: 24 Jun 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 329774
 Ion Ratio Lower Upper
 91 100
 126 0.6 14.9 44.5#

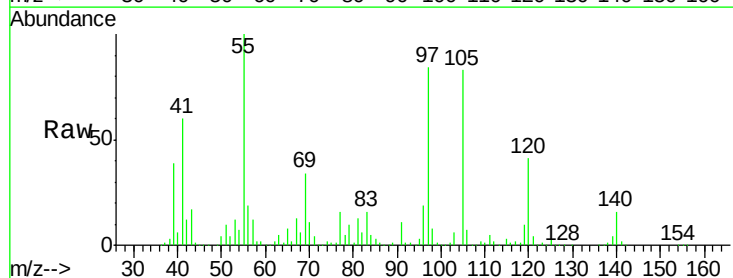


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

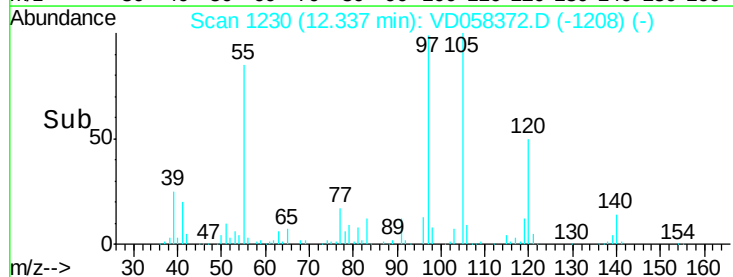
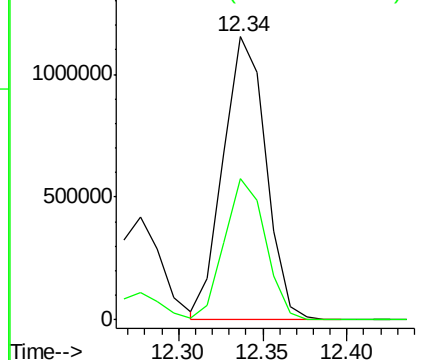


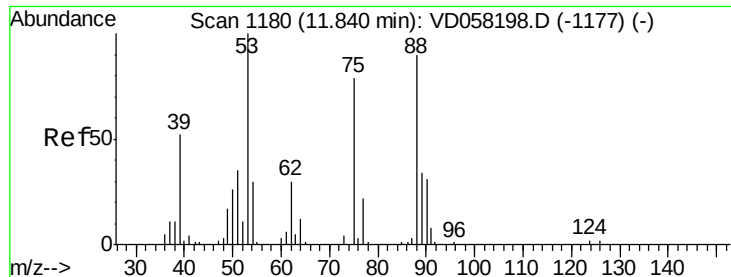
#80
 1,3,5-Trimethylbenzene
 Concen: 471.446 ug/l
 RT: 12.34 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD058372.D
 Acq: 24 Jun 2018 15:25

Tgt Ion: 105 Resp: 2025278
 Ion Ratio Lower Upper
 105 100
 120 49.8 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: 36.976 ug/l

RT: 11.79 min Scan# 1174

Delta R.T. -0.05 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

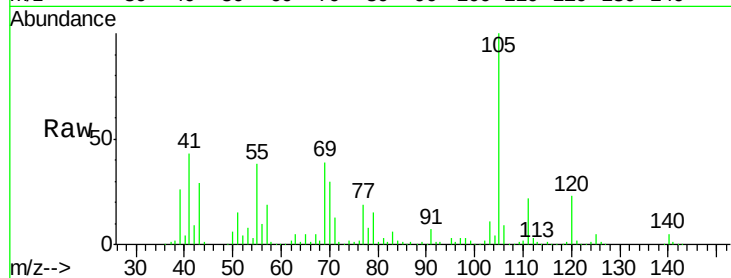
Tot Ion: 75 Resp: 12124

Ion Ratio Lower Upper

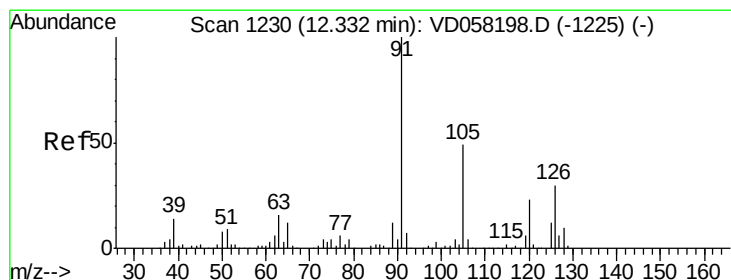
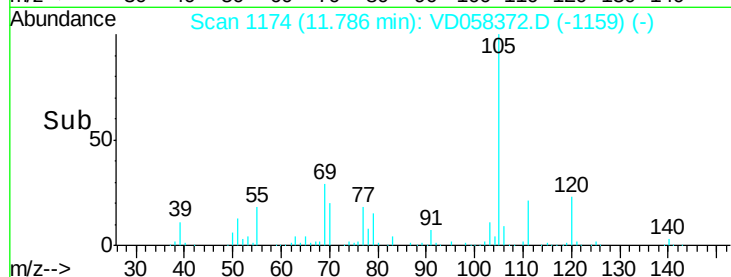
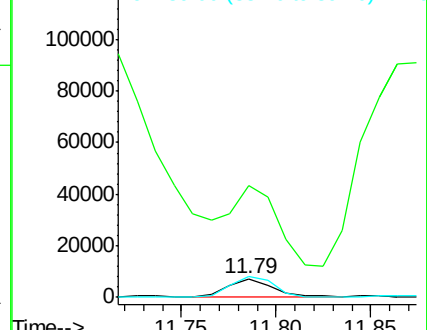
75 100

53 598.0 100.8 151.2#

89 110.1 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: 69.863 ug/l

RT: 12.34 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD058372.D

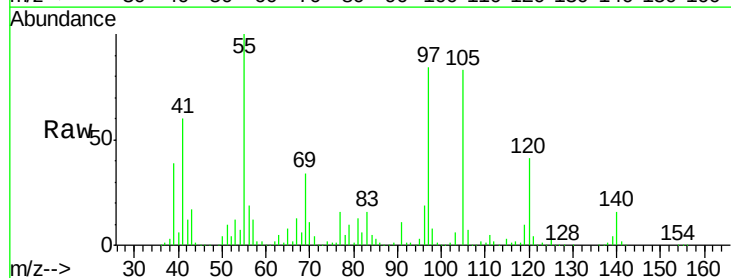
Acq: 24 Jun 2018 15:25

Tgt Ion: 91 Resp: 268550

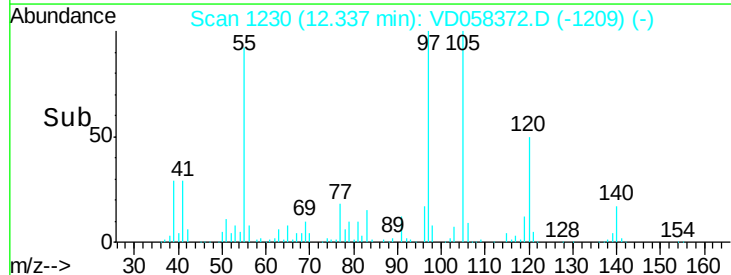
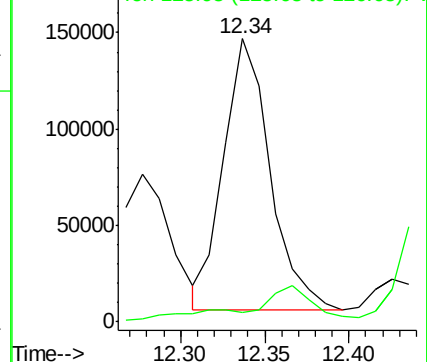
Ion Ratio Lower Upper

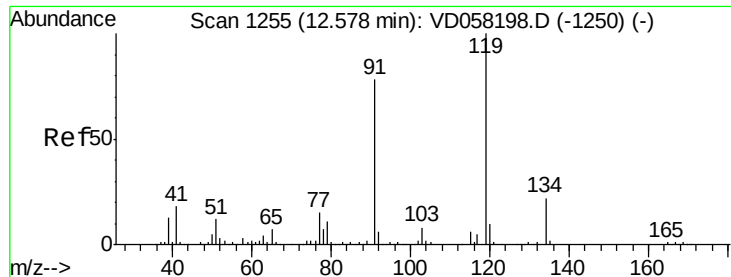
91 100

126 3.2 14.9 44.9#



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

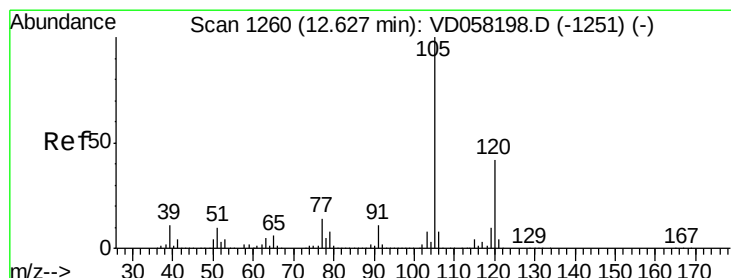
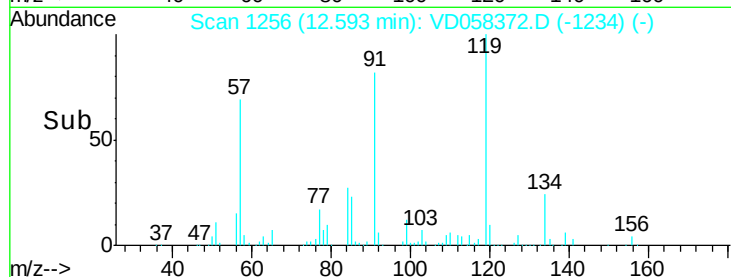
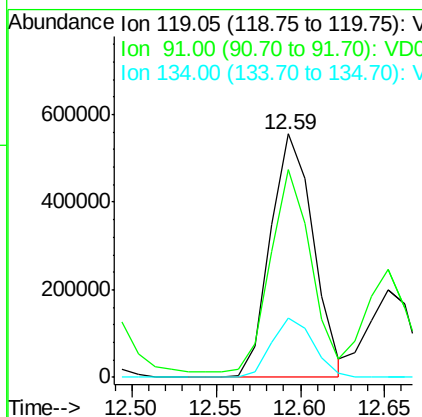
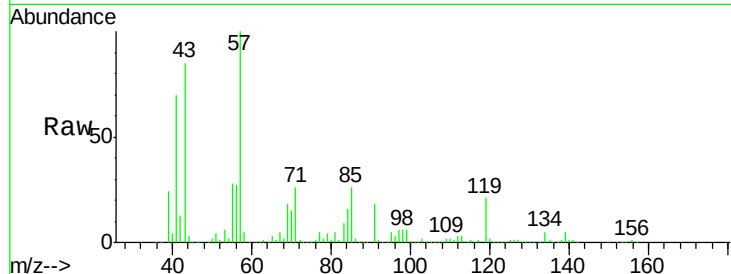




#83
 tert-Butylbenzene
 Concen: 199.250 ug/l
 RT: 12.59 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VD058372.D
 Acq: 24 Jun 2018 15:25

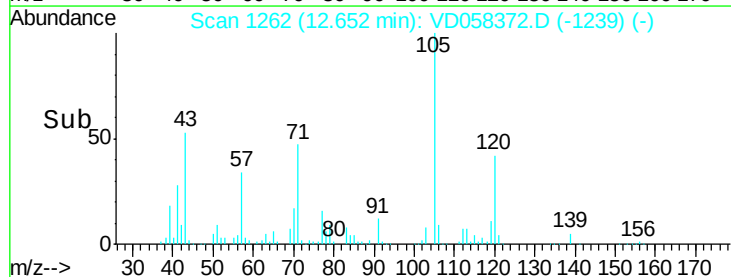
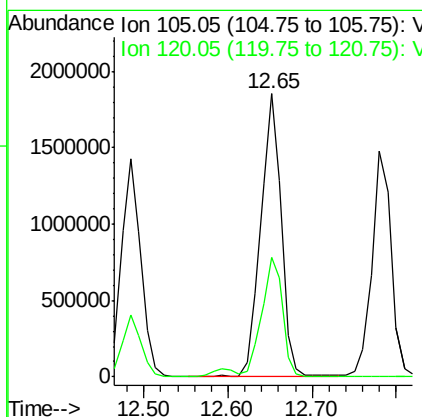
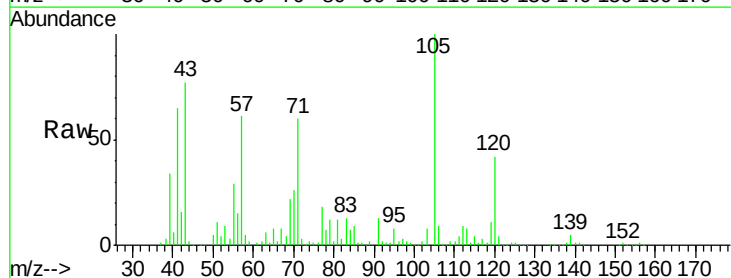
Instrument :
 MSVOA_D
 ClientSampleId :

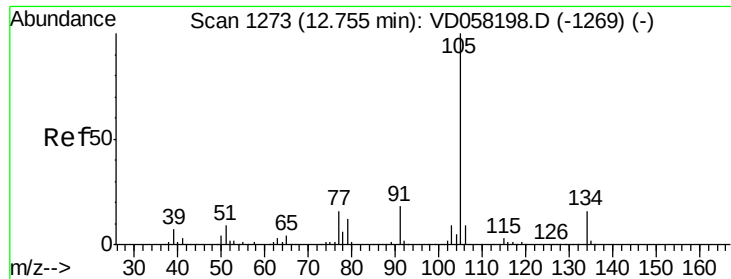
Tot Ion:119 Resp: 984087
 Ion Ratio Lower Upper
 119 100
 91 85.2 38.9 116.6
 134 24.1 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 685.745 ug/l
 RT: 12.65 min Scan# 1262
 Delta R.T. 0.02 min
 Lab File: VD058372.D
 Acq: 24 Jun 2018 15:25

Tgt Ion:105 Resp: 3202193
 Ion Ratio Lower Upper
 105 100
 120 42.4 20.8 62.4





#85

sec-Butylbenzene

Concen: 398.129 ug/l

RT: 12.78 min Scan# 1275

Delta R.T. 0.02 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

Instrument :

MSVOA_D

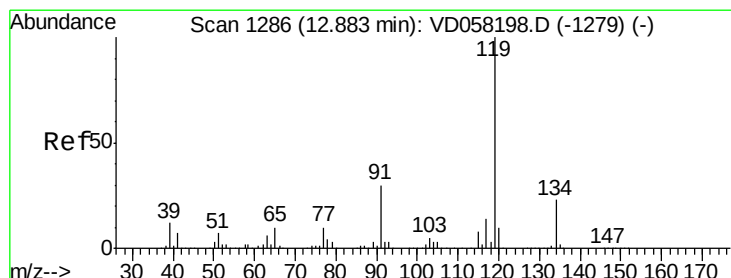
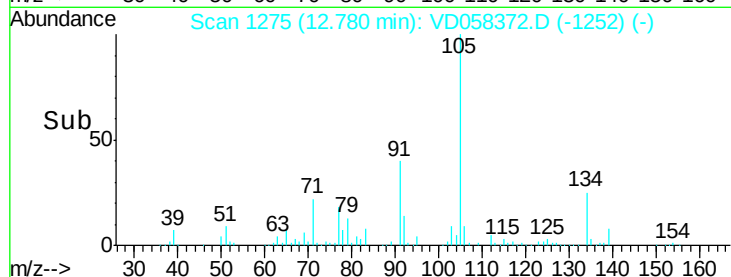
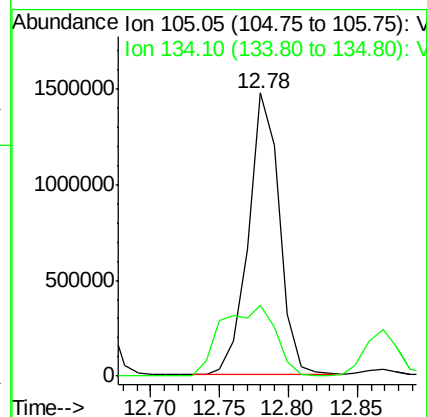
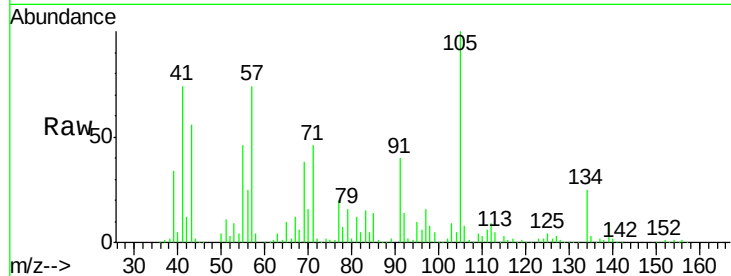
ClientSampleId :

Tot Ion:105 Resp: 2304829

Ion Ratio Lower Upper

105 100

134 25.3 8.1 24.3#



#86

p-Isopropyltoluene

Concen: 317.527 ug/l

RT: 12.87 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

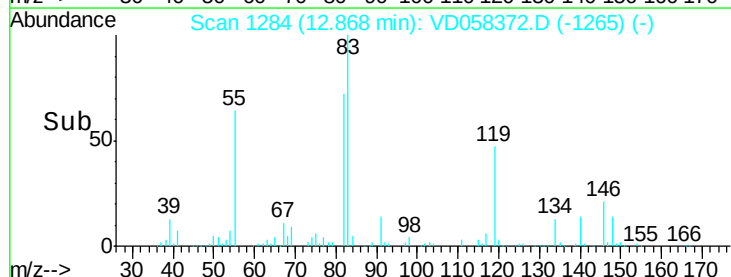
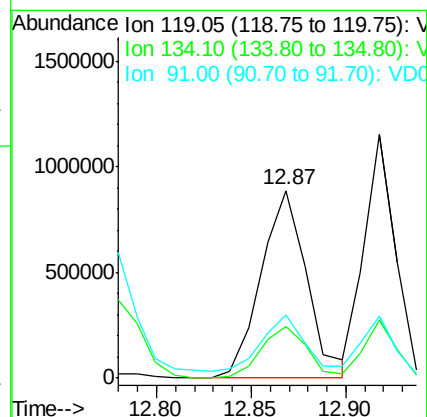
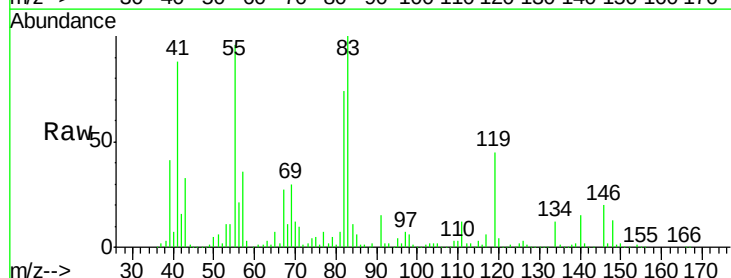
Tgt Ion:119 Resp: 1489634

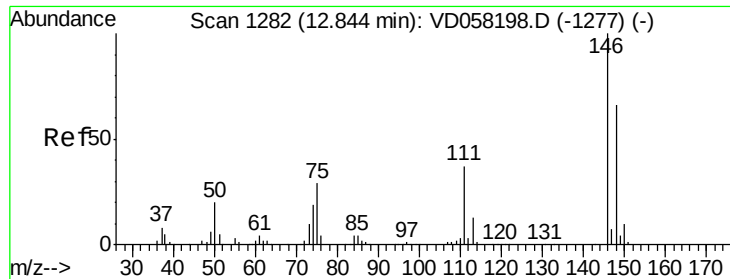
Ion Ratio Lower Upper

119 100

134 27.3 11.6 34.8

91 33.4 15.0 45.1

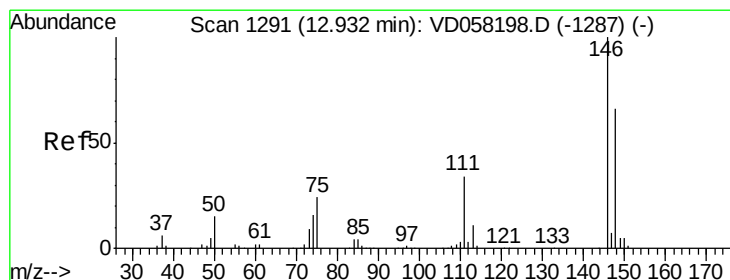
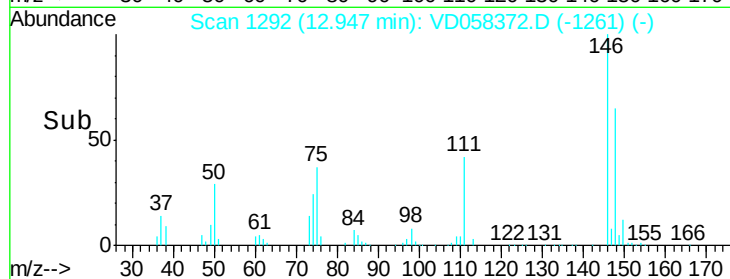
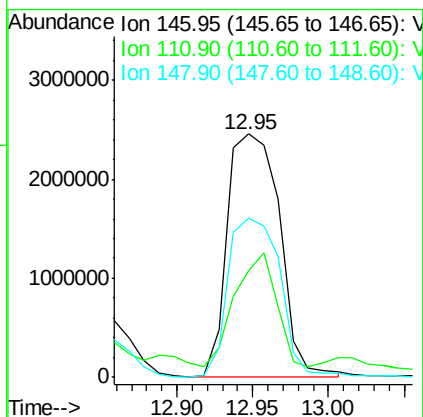
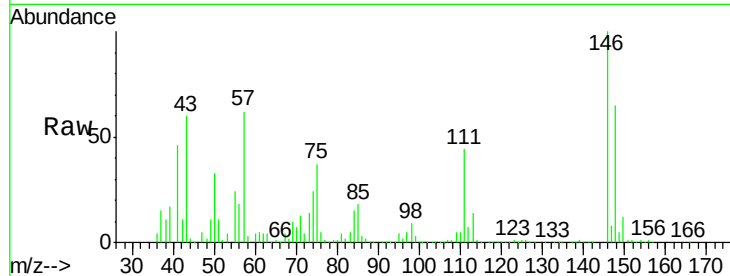




#87
 1,3-Dichlorobenzene
 Concen: 2048.793 ug/l
 RT: 12.95 min Scan# 1292
 Delta R.T. 0.10 min
 Lab File: VD058372.D
 Acq: 24 Jun 2018 15:25

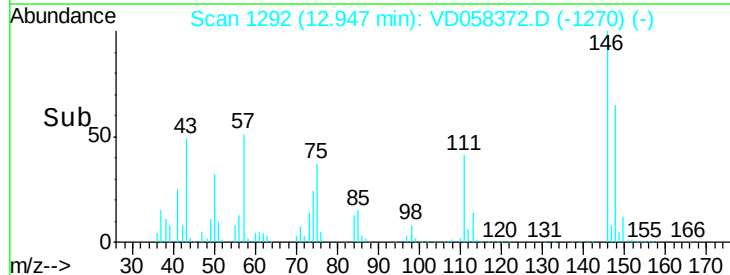
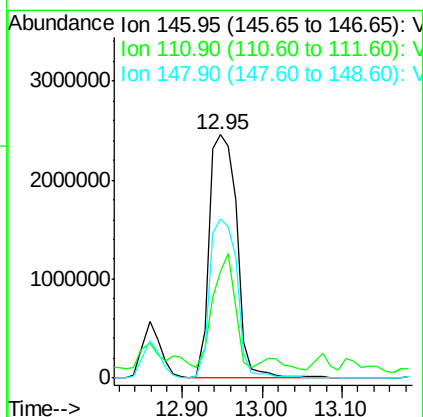
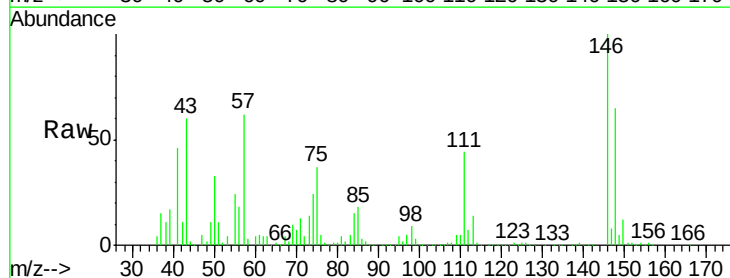
Instrument :
 MSVOA_D
 ClientSampleId :

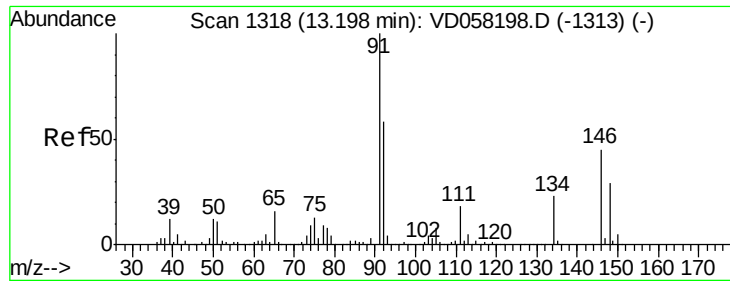
Tot Ion:146 Resp: 5873100
 Ion Ratio Lower Upper
 146 100
 111 43.9 18.4 55.0
 148 65.3 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 2125.148 ug/l
 RT: 12.95 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD058372.D
 Acq: 24 Jun 2018 15:25

Tgt Ion:146 Resp: 5948930
 Ion Ratio Lower Upper
 146 100
 111 43.9 17.2 51.5
 148 65.3 33.1 99.3

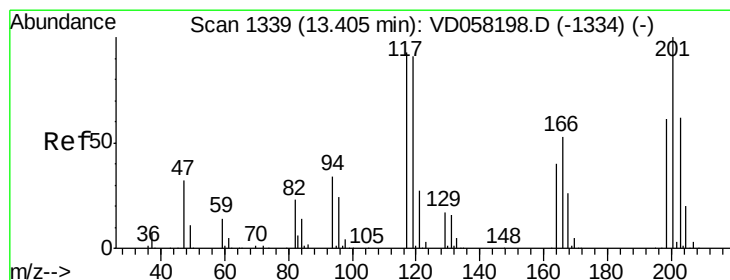
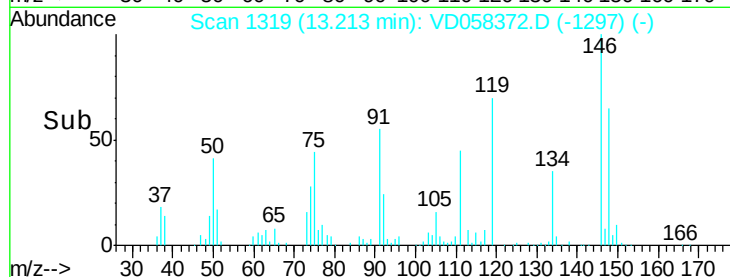
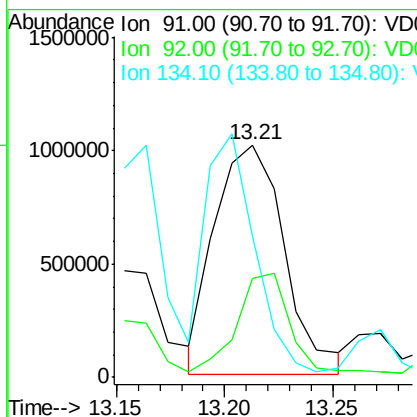
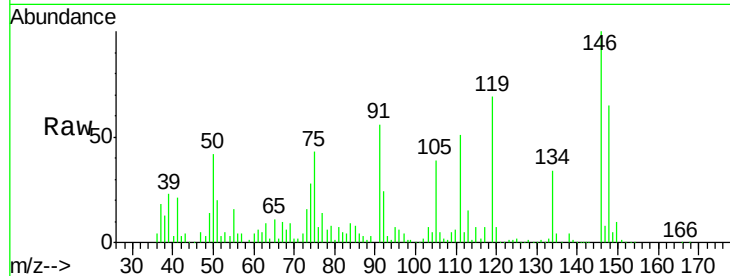




#89
n-Butylbenzene
Concen: 460.488 ug/l
RT: 13.21 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

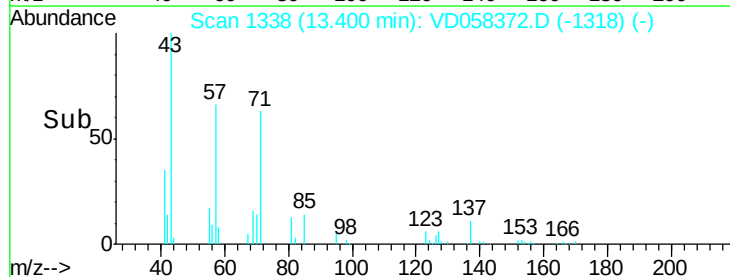
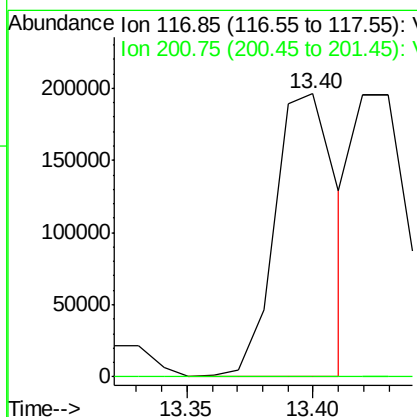
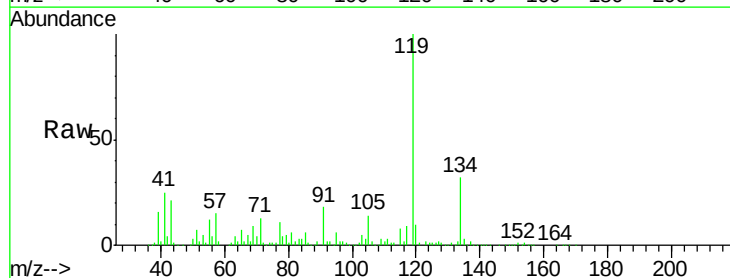
Instrument :
MSVOA_D
ClientSampleID :

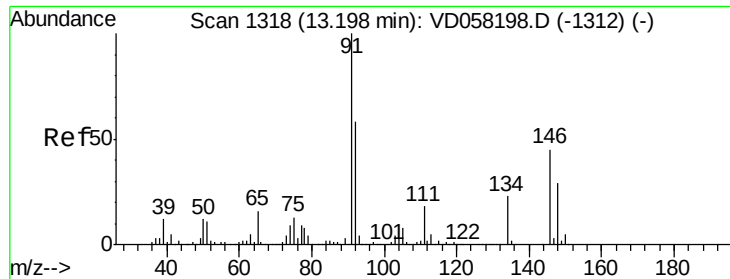
Tot Ion: 91 Resp: 2270451
Ion Ratio Lower Upper
91 100
92 42.6 29.2 87.6
134 60.7 11.3 33.8#



#90
Hexachloroethane
Concen: 272.812 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD058372.D
Acq: 24 Jun 2018 15:25

Tgt Ion: 117 Resp: 332191
Ion Ratio Lower Upper
117 100
201 0.0 53.8 161.4#





#91

1,2-Dichlorobenzene

Concen: 2524.918 ug/l

RT: 13.22 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

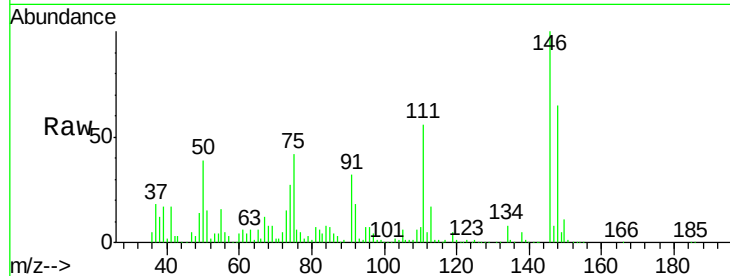
Tot Ion:146 Resp: 6159471

Ion Ratio Lower Upper

146 100

111 55.5 19.6 58.7

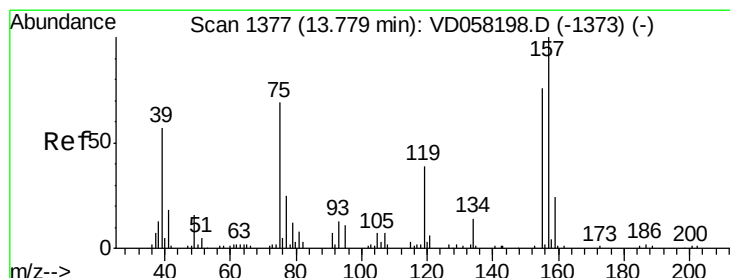
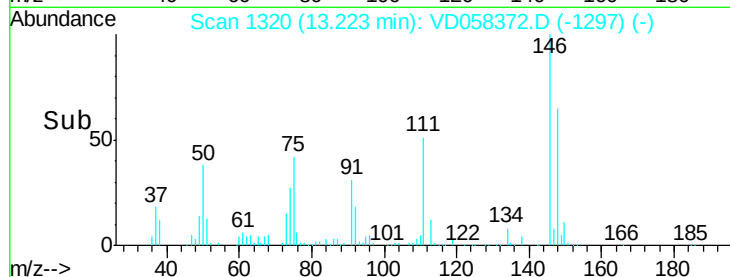
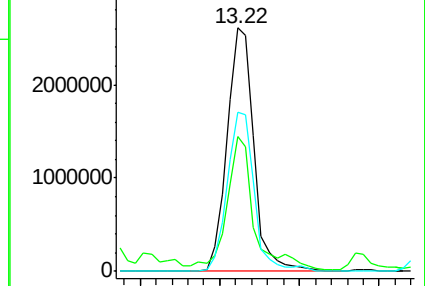
148 65.1 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 470.547 ug/l

RT: 13.76 min Scan# 1375

Delta R.T. -0.01 min

Lab File: VD058372.D

Acq: 24 Jun 2018 15:25

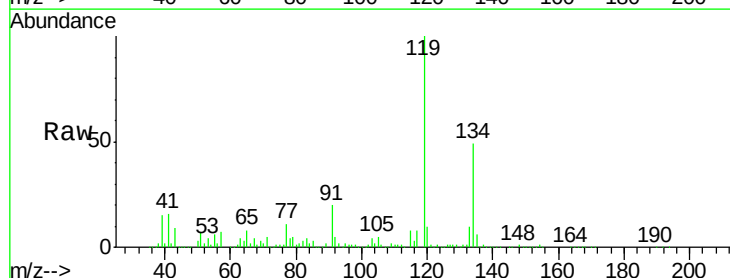
Tgt Ion: 75 Resp: 95984

Ion Ratio Lower Upper

75 100

155 19.3 54.5 163.5#

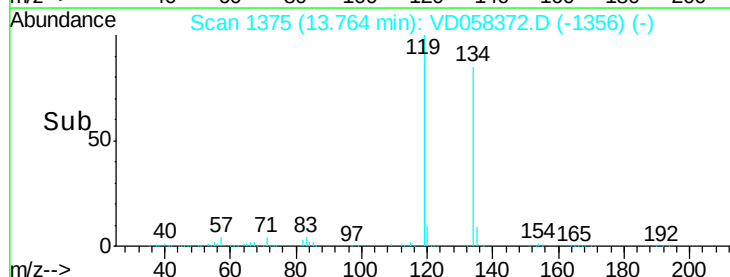
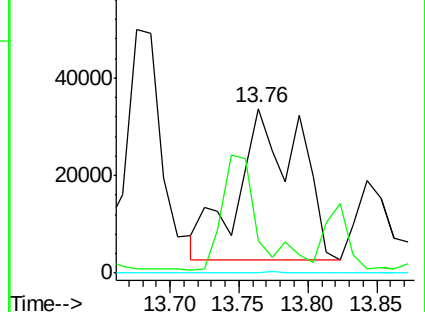
157 0.0 72.0 215.9#

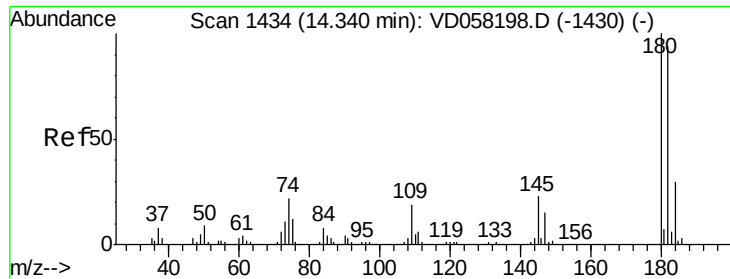


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

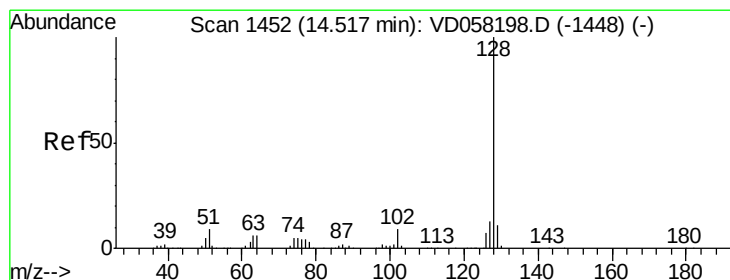
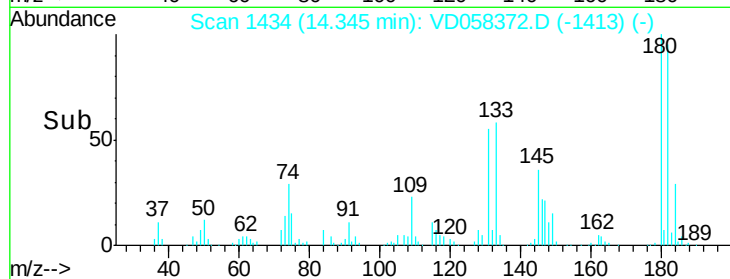
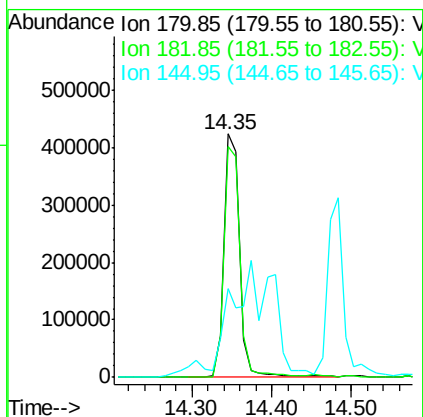
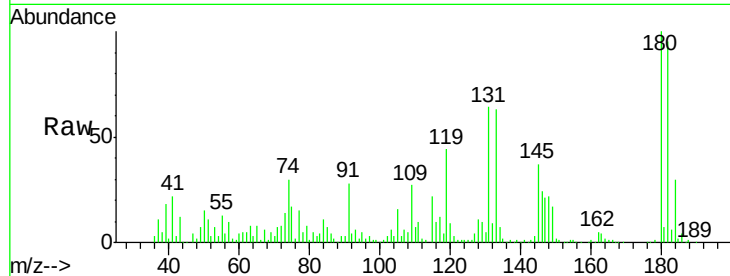




#93
 1,2,4-Trichlorobenzene
 Concen: 252.878 ug/l
 RT: 14.35 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD058372.D
 Acq: 24 Jun 2018 15:25

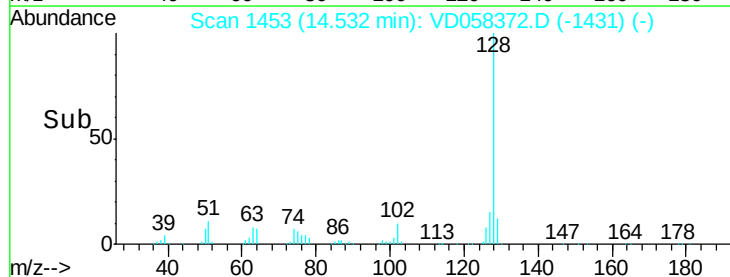
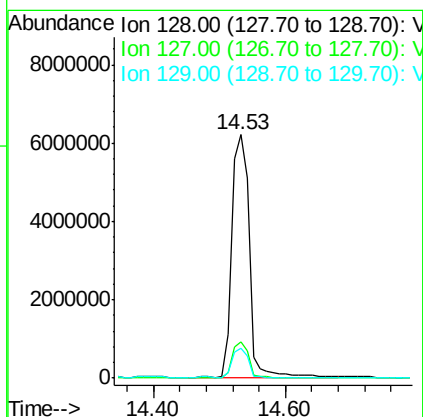
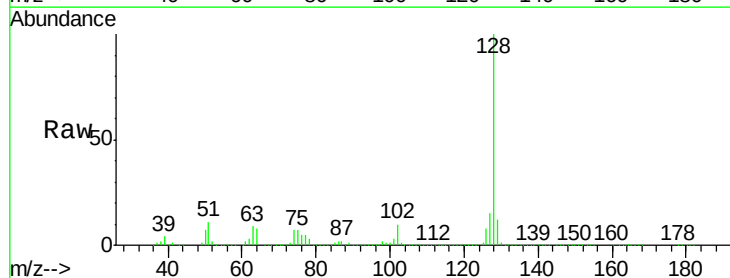
Instrument :
 MSVOA_D
 ClientSampleId :

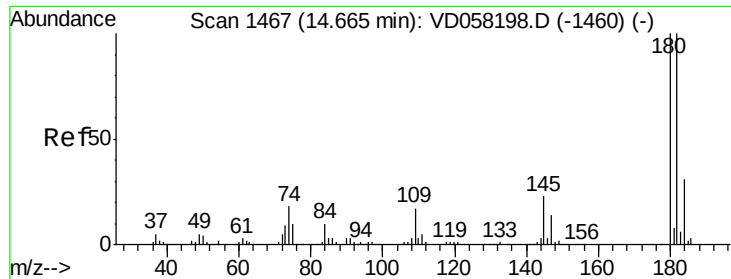
Tot Ion:180 Resp: 590006
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.1 141.3
 145 36.5 11.7 35.0#



#95
 Naphthalene
 Concen: 3838.609 ug/l
 RT: 14.53 min Scan# 1453
 Delta R.T. 0.01 min
 Lab File: VD058372.D
 Acq: 24 Jun 2018 15:25

Tgt Ion:128 Resp:11797320
 Ion Ratio Lower Upper
 128 100
 127 14.7 10.0 15.0
 129 12.4 8.7 13.1

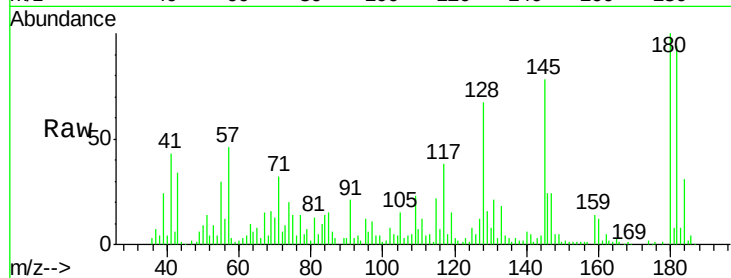




#96
 1,2,3-Trichlorobenzene
 Concen: 48.187 ug/l
 RT: 14.67 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: VD058372.D
 Acq: 24 Jun 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 98423
 Ion Ratio Lower Upper
 180 100
 182 94.5 49.9 149.6
 145 77.9 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

