

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058302.D
 Acq On : 22 Jun 2018 17:54
 Operator : VA/AP
 Sample : J3663-05
 Misc : 7.21g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-26-28-180618

Quant Time: Jun 22 22:19:50 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	701523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	917729	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	728518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	362190	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	385672	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
35) Dibromofluoromethane	5.54	113	386436	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
50) Toluene-d8	8.70	98	900030	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.93	95	380832	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	259	Below Cal	#	43
3) Chloromethane	1.47	50	583	Below Cal	#	43
4) Vinyl Chloride	1.55	62	20704	5.634	ug/l	91
6) Chloroethane	1.74	64	184	1.523	ug/l #	41
11) Tert butyl alcohol	3.26	59	3070	13.136	ug/l #	78
13) Acrolein	2.47	56	659	4.940	ug/l #	79
16) Acetone	2.61	43	139638	144.097	ug/l #	92
17) Carbon Disulfide	2.75	76	26491	3.231	ug/l #	95
18) Methyl Acetate	2.93	43	4506	2.180	ug/l #	65
20) Methylene Chloride	3.08	84	10375	Below Cal	#	80
25) 2-Butanone	4.82	43	96218	45.556	ug/l	95
27) cis-1,2-Dichloroethene	4.80	96	122548	18.618	ug/l	81
29) Tetrahydrofuran	5.18	42	5842	5.197	ug/l	97
31) Cyclohexane	5.63	56	20762	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	58185	6.409	ug/l #	48
37) Ethyl Acetate	4.82	43	96218	18.601	ug/l #	1
38) Carbon Tetrachloride	5.63	117	56853	6.302	ug/l #	16
39) Methylcyclohexane	7.27	83	30128	3.407	ug/l	93
40) Benzene	6.01	78	367956	17.014	ug/l	97
51) 4-Methyl-2-Pentanone	8.59	43	62917	13.987	ug/l	99
52) Toluene	8.80	92	21229	1.724	ug/l	92
59) 2-Hexanone	9.73	43	26223	8.068	ug/l #	32
65) Chlorobenzene	10.72	112	3556869	261.011	ug/l	97
67) Ethyl Benzene	10.86	91	26966	1.121	ug/l	99
68) m/p-Xylenes	11.00	106	11370	1.417	ug/l	99
73) Isopropylbenzene	11.77	105	22778	1.051	ug/l	90
74) N-amyl acetate	11.66	43	49643	5.926	ug/l #	13
75) 1,1,2,2-Tetrachloroethane	12.09	83	17336	3.439	ug/l #	52
78) n-propylbenzene	12.15	91	37817	1.352	ug/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	45577	2.697	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	174104	134.993	ug/l #	2
82) 4-Chlorotoluene	12.40	91	4073	Below Cal		73
83) tert-Butylbenzene	12.57	119	33164	1.707	ug/l	77
84) 1,2,4-Trimethylbenzene	12.62	105	117745	6.410	ug/l	98

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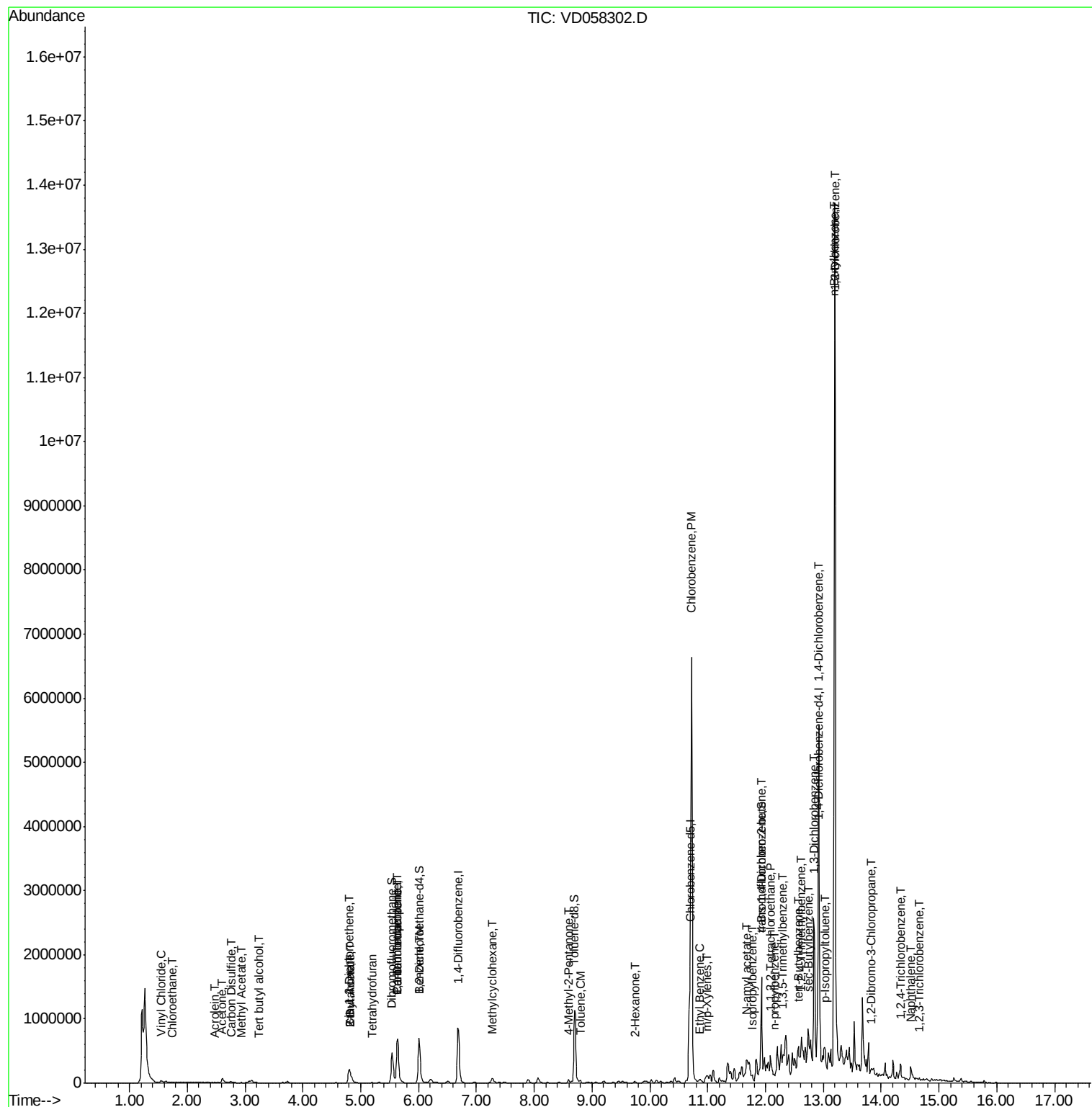
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	12.76	105	67175	2.950	ug/l	86
86) p-Isopropyltoluene	13.03	119	81279	4.405	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	770266	68.313	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	1524490	138.453	ug/l	94
89) n-Butylbenzene	13.18	91	31613	1.630	ug/l #	19
91) 1,2-Dichlorobenzene	13.20	146	5637681	587.534	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.83	75	892	1.112	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.34	180	51379	5.598	ug/l	94
95) Naphthalene	14.51	128	121622	10.061	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	9611	1.196	ug/l #	79

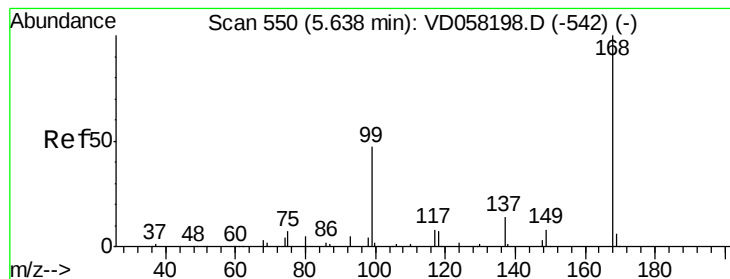
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

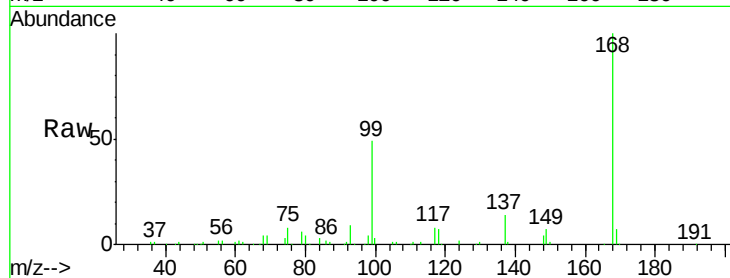
WP021SB472-26-28-180618

Tot Ion:168 Resp: 701523

Ion Ratio Lower Upper

168 100

99 48.9 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

250000

200000

150000

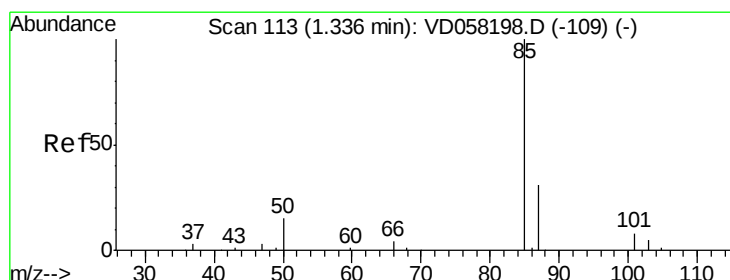
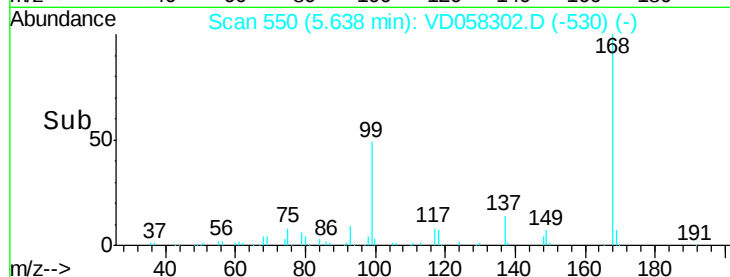
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058302.D

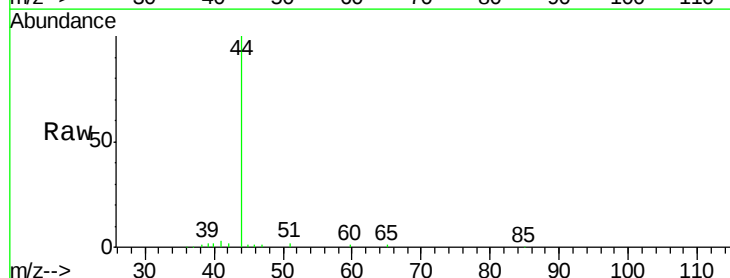
Acq: 22 Jun 2018 17:54

Tgt Ion: 85 Resp: 259

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

1.34

500

400

300

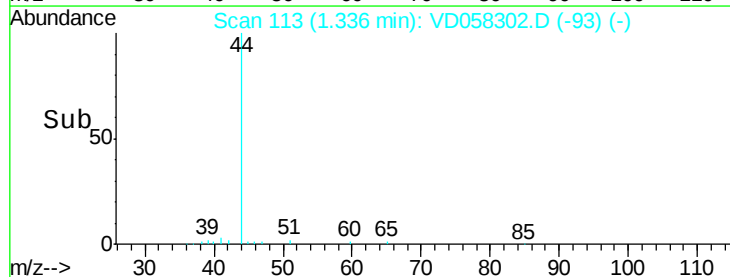
200

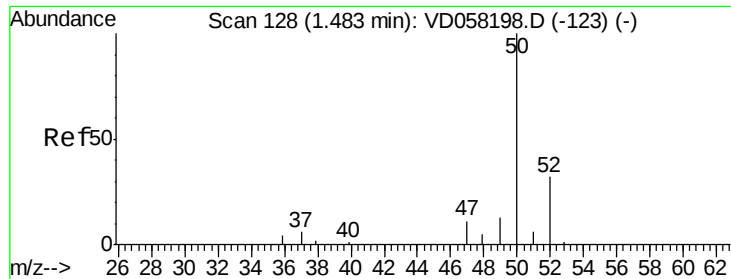
100

0

Time-->

1.30 1.32 1.34 1.36





#3

Chloromethane

Concen: Below Cal

RT: 1.47 min Scan# 127

Delta R.T. -0.01 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

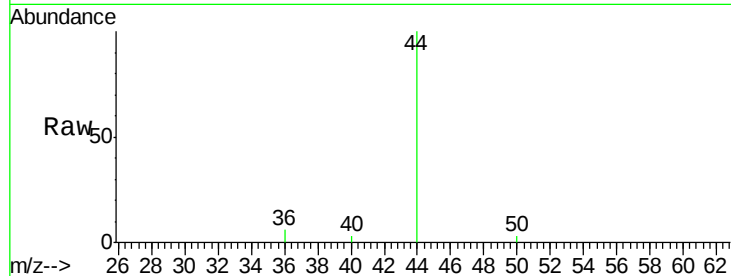
WP021SB472-26-28-180618

Tot Ion: 50 Resp: 583

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

500

400

300

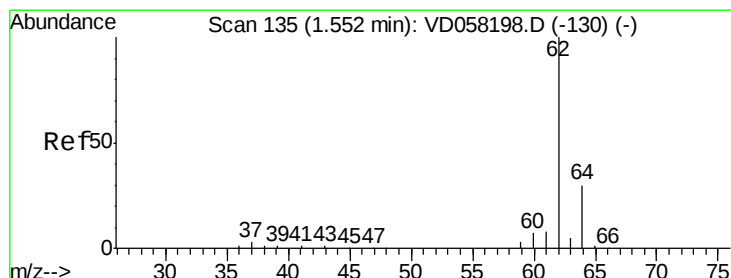
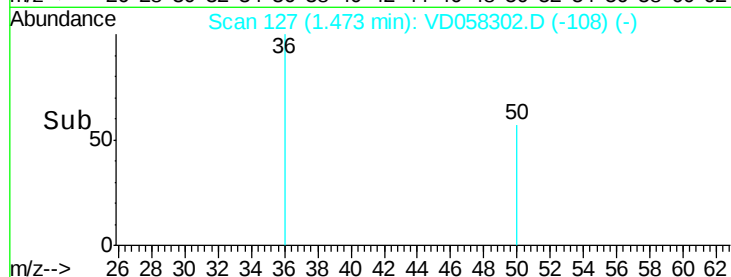
200

100

0

1.44 1.46 1.48 1.50 1.52

Time-->



#4

Vinyl Chloride

Concen: 5.634 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058302.D

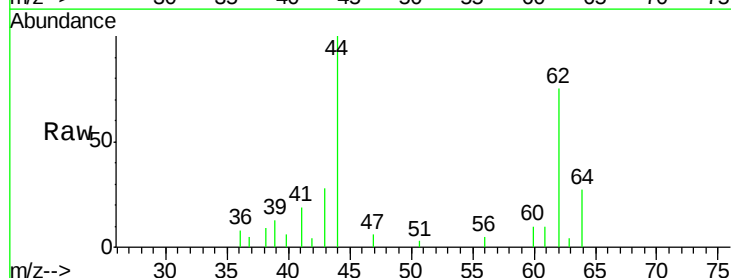
Acq: 22 Jun 2018 17:54

Tgt Ion: 62 Resp: 20704

Ion Ratio Lower Upper

62 100

64 35.6 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

8000

6000

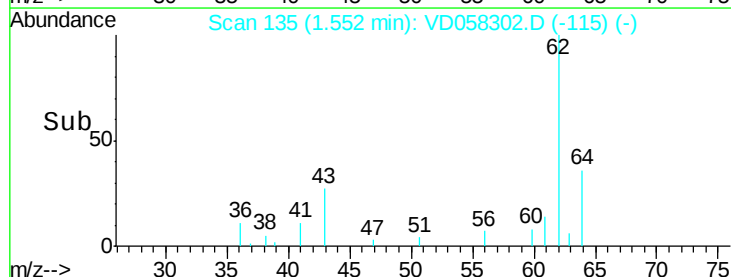
4000

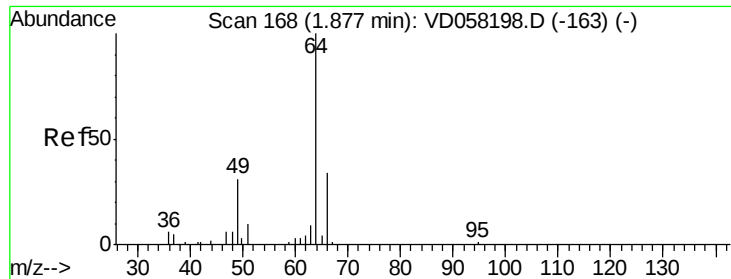
2000

0

1.50 1.60 1.70

Time-->





#6

Chloroethane

Concen: 1.523 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.14 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

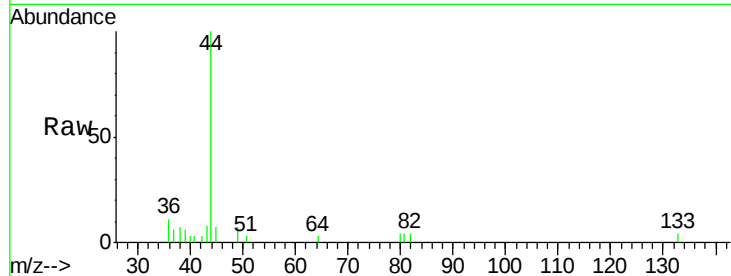
WP021SB472-26-28-180618

Tot Ion: 64 Resp: 184

Ion Ratio Lower Upper

64 100

66 0.0 27.3 40.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.74

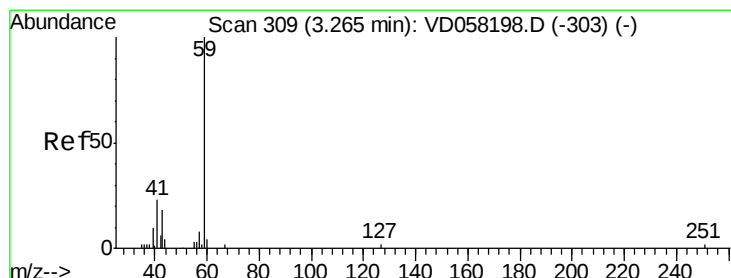
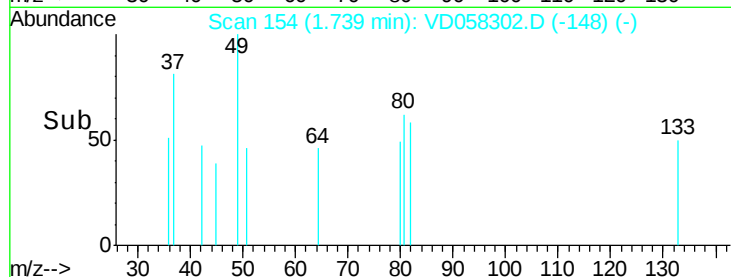
300

200

100

0

Time--> 1.70 1.72 1.74 1.76



#11

Tert butyl alcohol

Concen: 13.136 ug/l

RT: 3.26 min Scan# 308

Delta R.T. -0.01 min

Lab File: VD058302.D

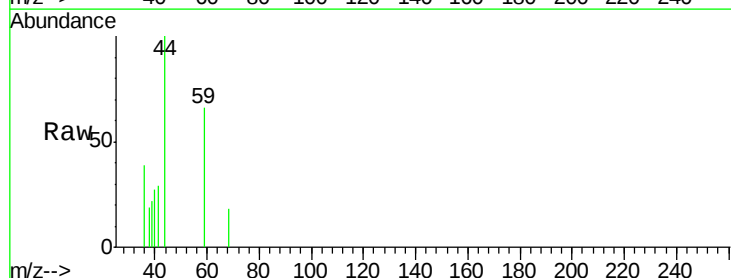
Acq: 22 Jun 2018 17:54

Tgt Ion: 59 Resp: 3070

Ion Ratio Lower Upper

59 100

57 0.0 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

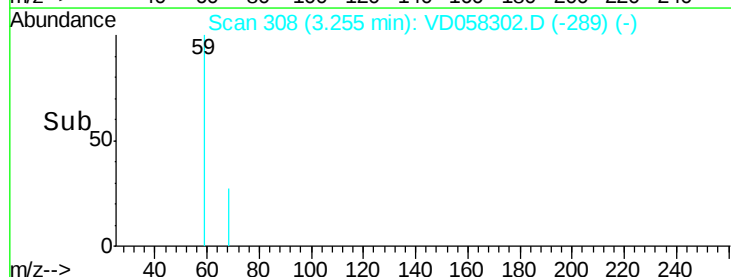
3.26

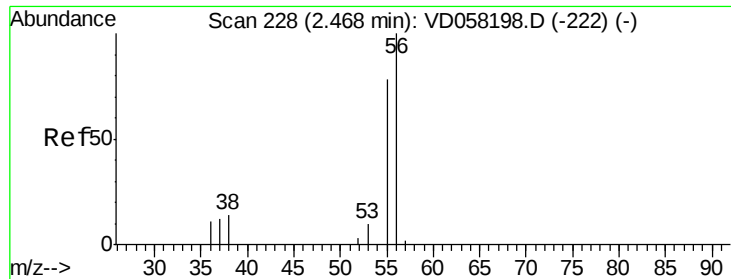
1000

500

0

Time--> 3.20 3.25 3.30





#13

Acrolein

Concen: 4.940 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

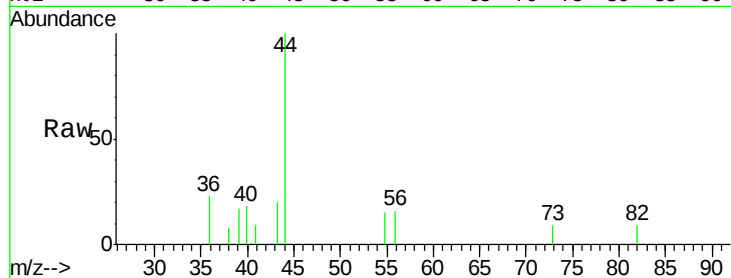
WP021SB472-26-28-180618

Tot Ion: 56 Resp: 659

Ion Ratio Lower Upper

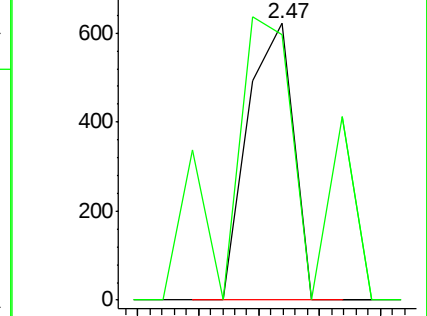
56 100

55 96.1 62.1 93.1#

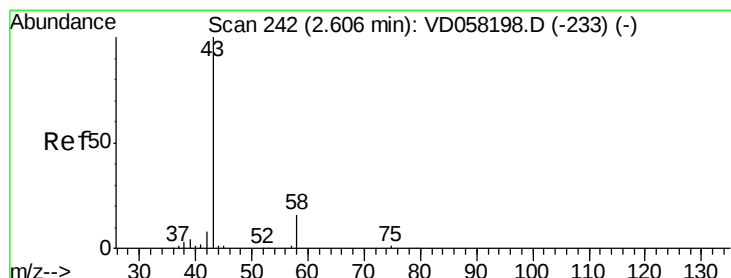
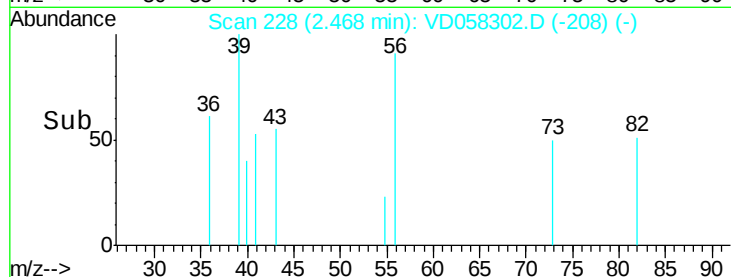


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time-->



#16

Acetone

Concen: 144.097 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD058302.D

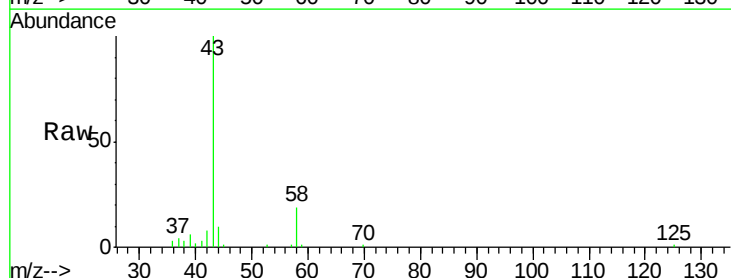
Acq: 22 Jun 2018 17:54

Tgt Ion: 43 Resp: 139638

Ion Ratio Lower Upper

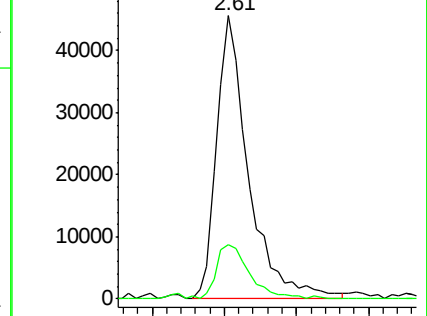
43 100

58 19.2 12.7 19.1#

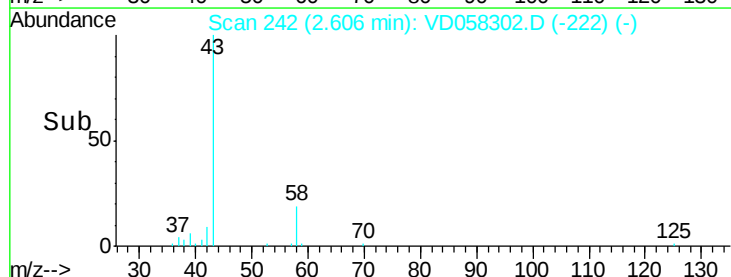


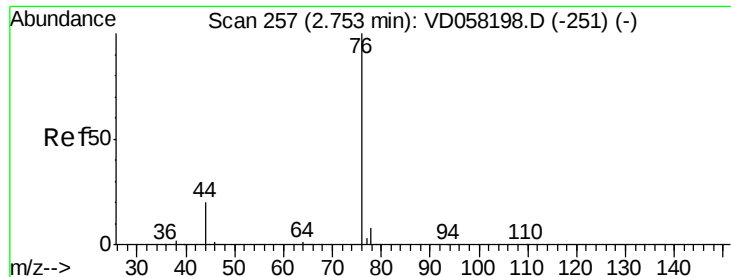
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->

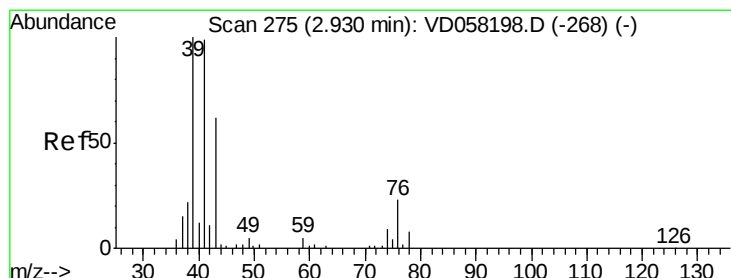
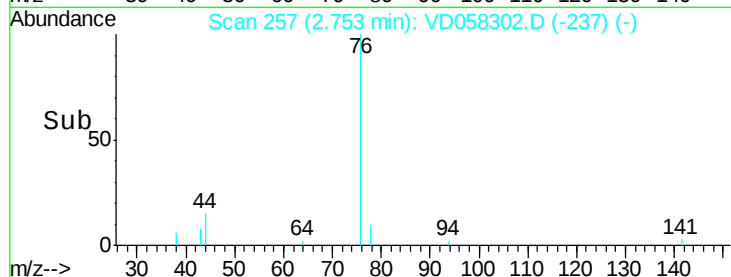
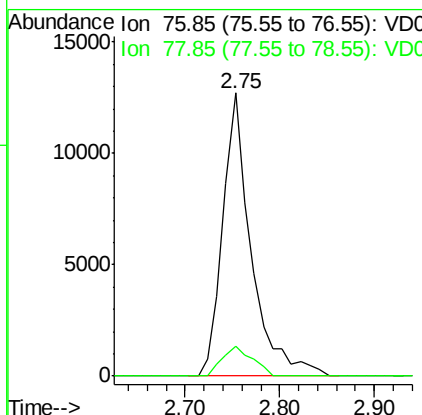
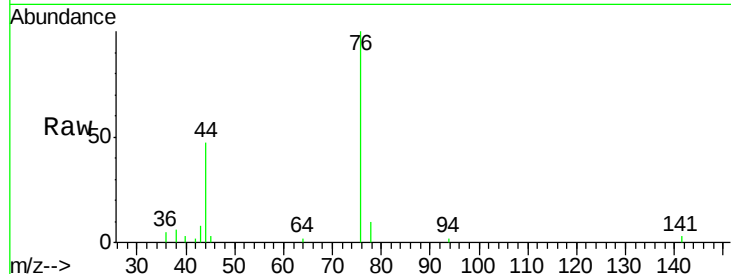




#17
Carbon Disulfide
Concen: 3.231 ug/l
RT: 2.75 min Scan# 257
Delta R.T. -0.00 min
Lab File: VD058302.D
Acq: 22 Jun 2018 17:54

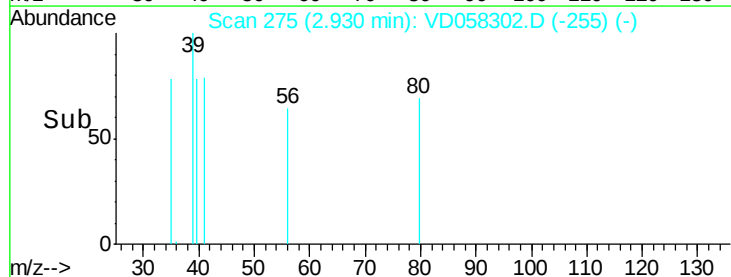
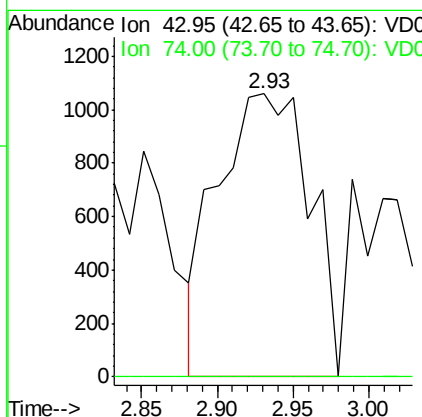
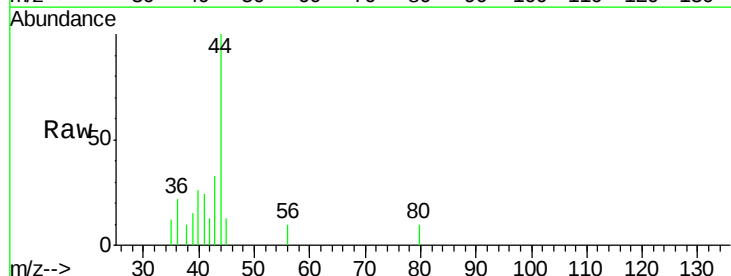
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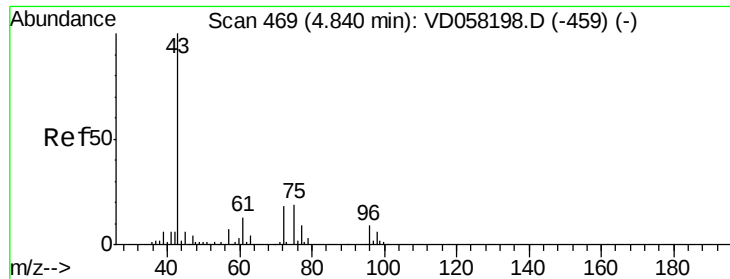
Tot Ion: 76 Resp: 26491
Ion Ratio Lower Upper
76 100
78 10.4 6.8 10.2#



#18
Methyl Acetate
Concen: 2.180 ug/l
RT: 2.93 min Scan# 275
Delta R.T. -0.00 min
Lab File: VD058302.D
Acq: 22 Jun 2018 17:54

Tgt Ion: 43 Resp: 4506
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#





#25

2-Butanone

Concen: 45.556 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

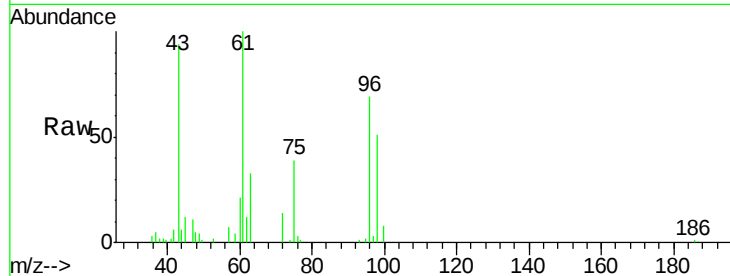
WP021SB472-26-28-180618

Tot Ion: 43 Resp: 96218

Ion Ratio Lower Upper

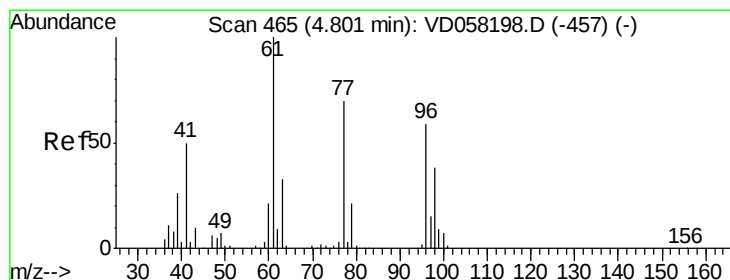
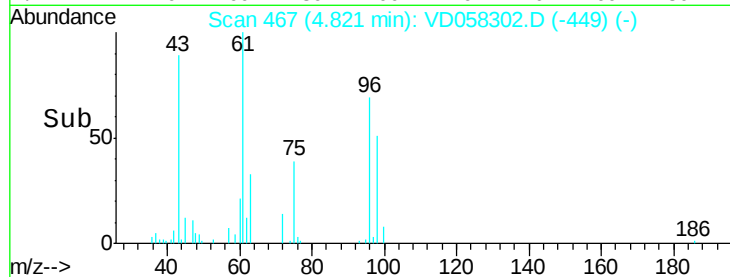
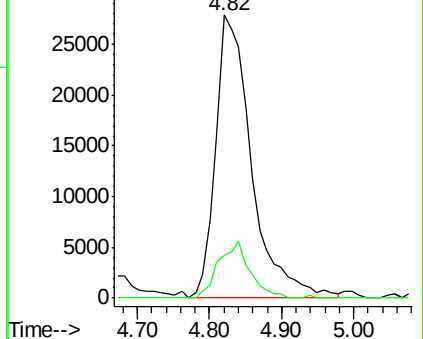
43 100

72 15.2 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: 18.618 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

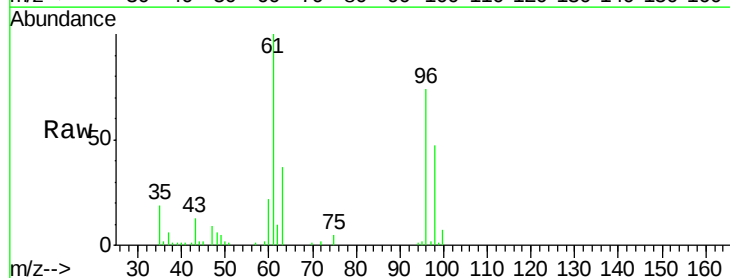
Tgt Ion: 96 Resp: 122548

Ion Ratio Lower Upper

96 100

61 134.5 0.0 338.6

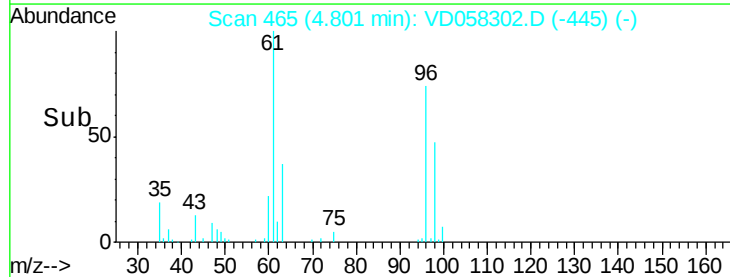
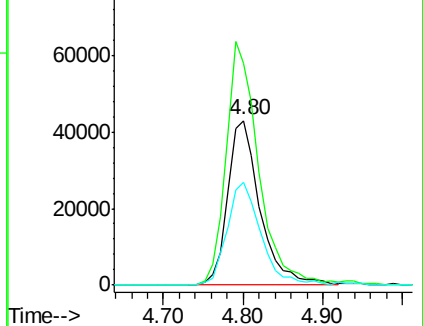
98 62.6 0.0 130.2

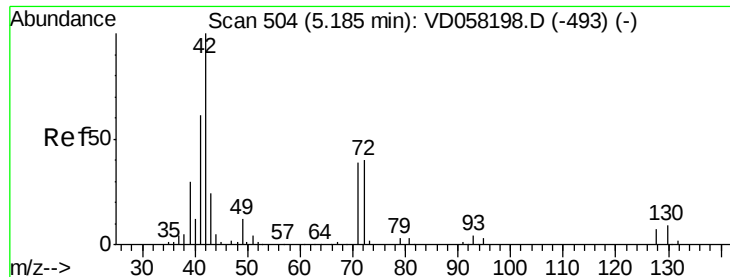


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

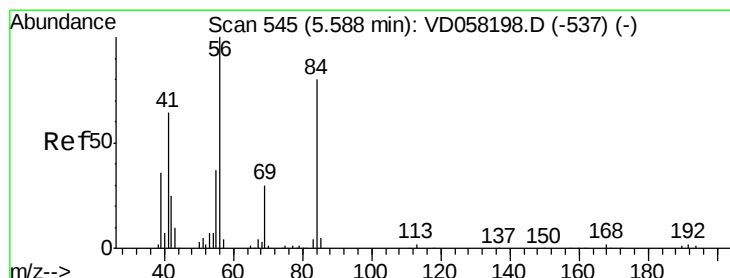
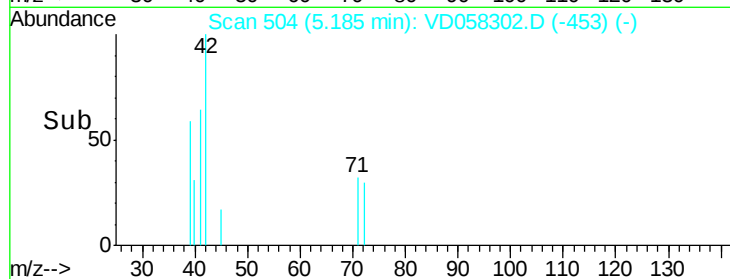
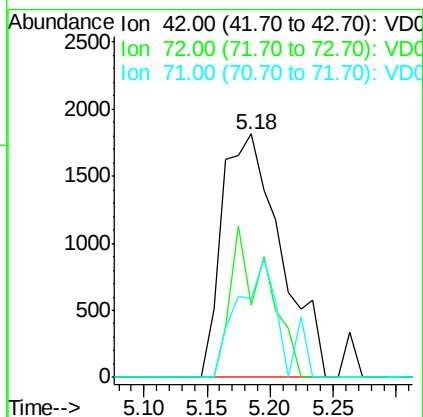
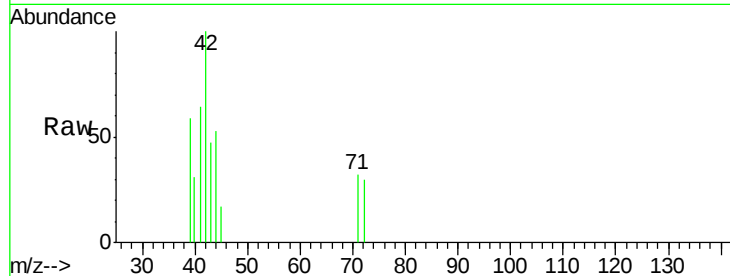




#29
Tetrahydrofuran
Concen: 5.197 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD058302.D
Acq: 22 Jun 2018 17:54

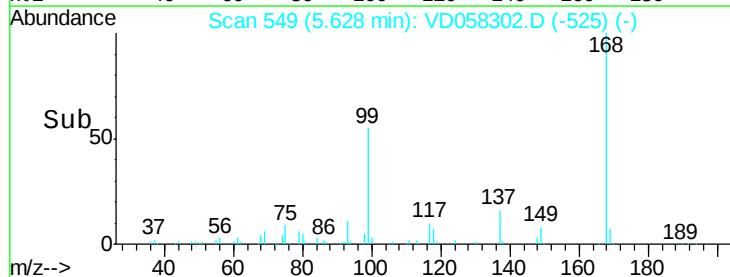
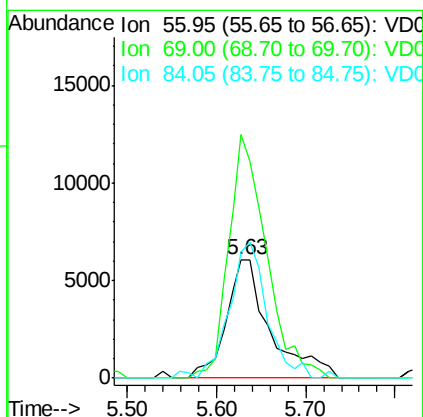
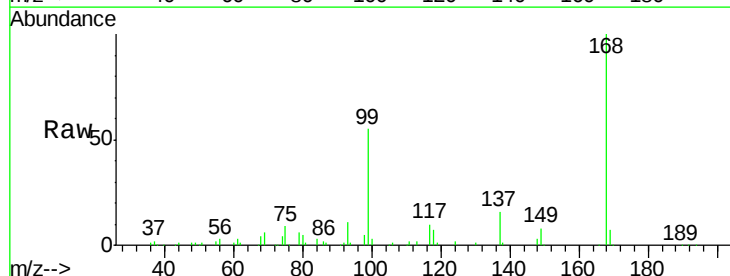
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-26-28-180618

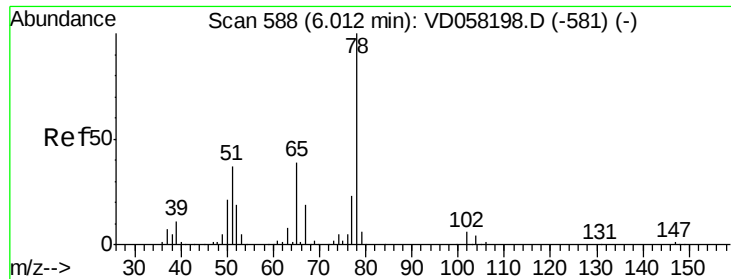
Tot Ion: 42 Resp: 5842
Ion Ratio Lower Upper
42 100
72 38.5 30.2 45.2
71 34.9 30.1 45.1



#31
Cyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 549
Delta R.T. 0.04 min
Lab File: VD058302.D
Acq: 22 Jun 2018 17:54

Tgt Ion: 56 Resp: 20762
Ion Ratio Lower Upper
56 100
69 205.6 23.6 35.4#
84 106.1 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.00 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

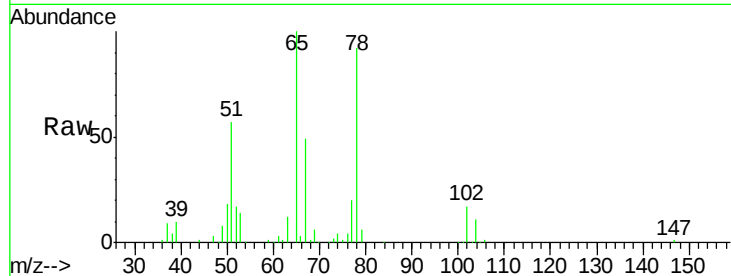
WP021SB472-26-28-180618

Tot Ion: 65 Resp: 385672

Ion Ratio Lower Upper

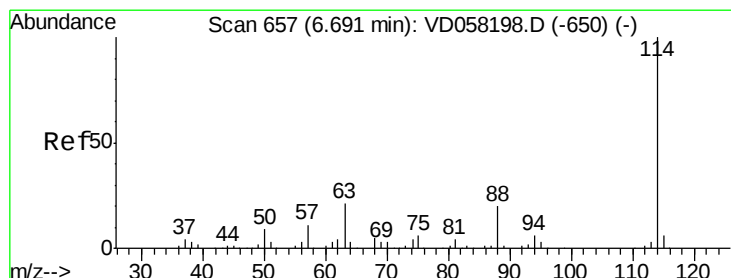
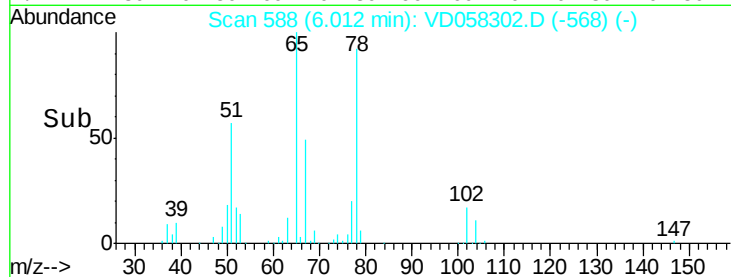
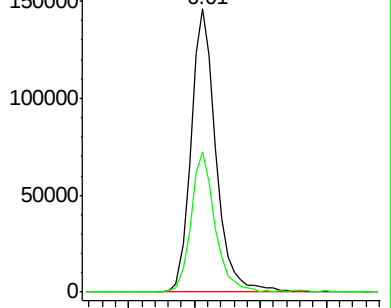
65 100

67 49.4 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: 6.68 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

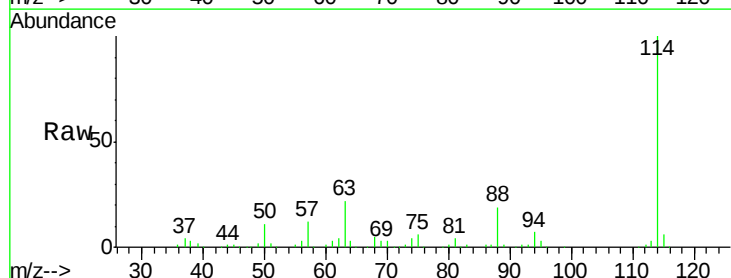
Tgt Ion: 114 Resp: 917729

Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.6

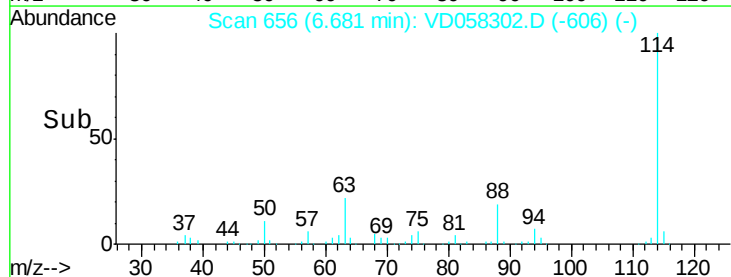
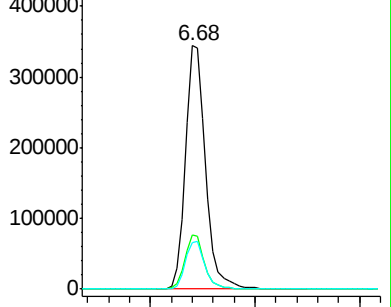
88 19.2 0.0 40.6

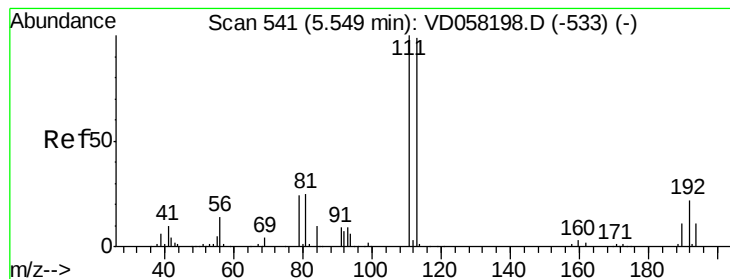


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-26-28-180618

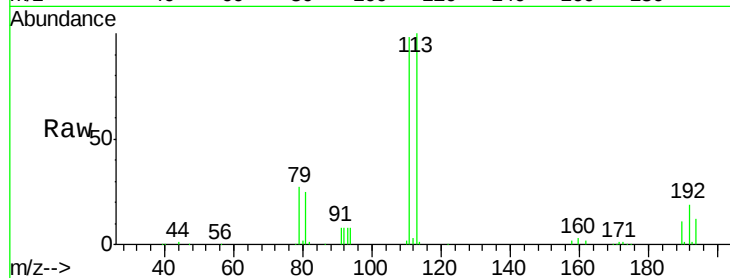
Tot Ion:113 Resp: 386436

Ion Ratio Lower Upper

113 100

111 97.7 80.6 121.0

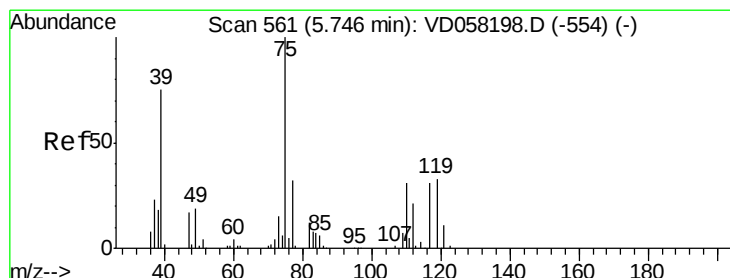
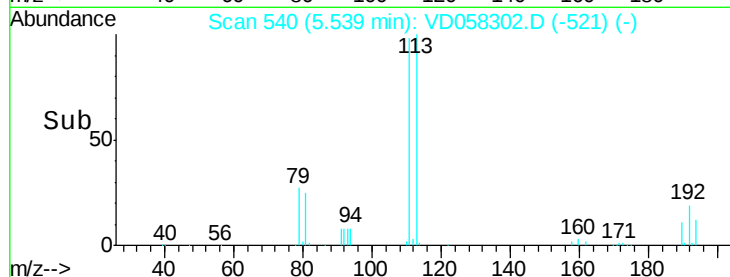
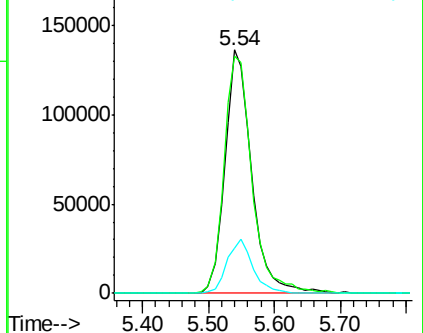
192 18.6 17.8 26.6



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: 6.409 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

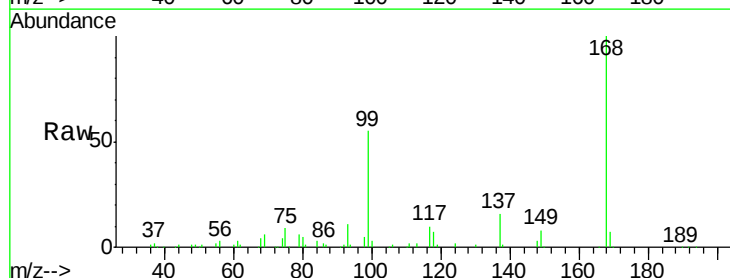
Tgt Ion: 75 Resp: 58185

Ion Ratio Lower Upper

75 100

110 5.4 15.4 46.4#

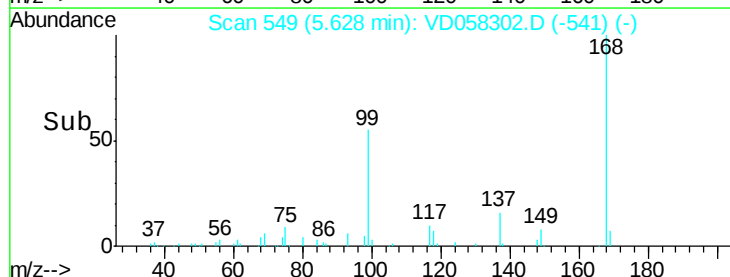
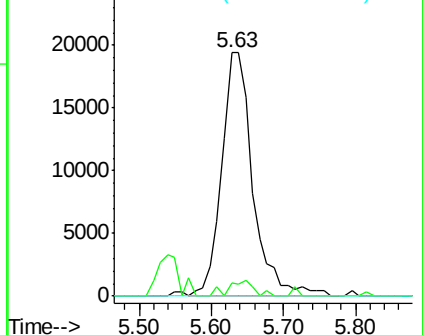
77 0.0 25.4 38.2#

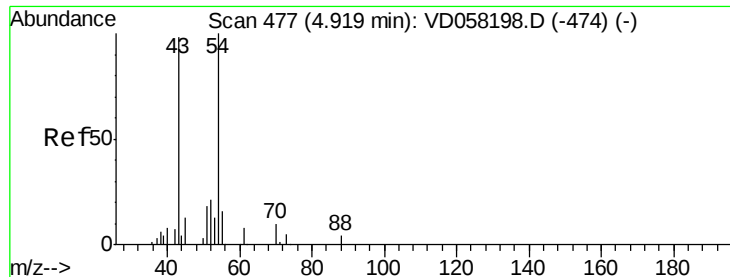


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 18.601 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.10 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-26-28-180618

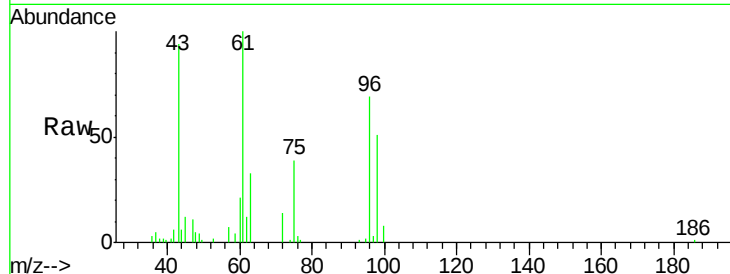
Tot Ion: 43 Resp: 96218

Ion Ratio Lower Upper

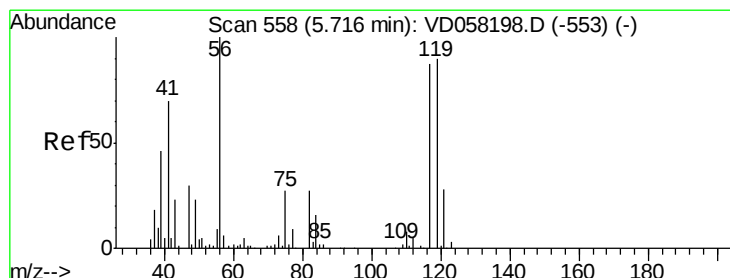
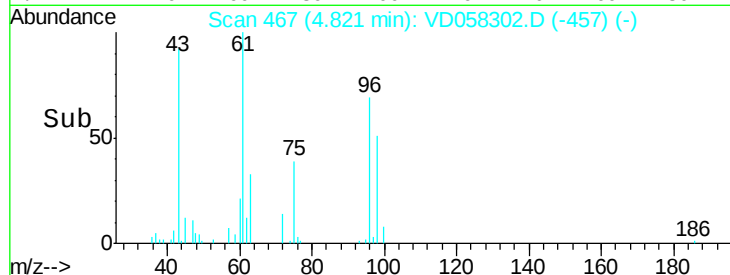
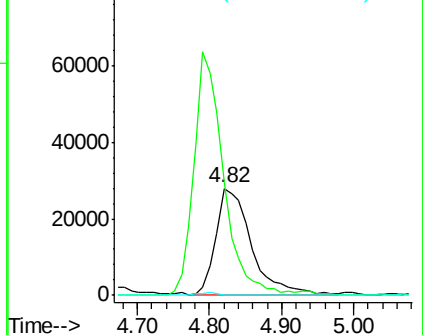
43 100

61 106.0 10.3 15.5#

70 0.0 5.7 8.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.302 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.09 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

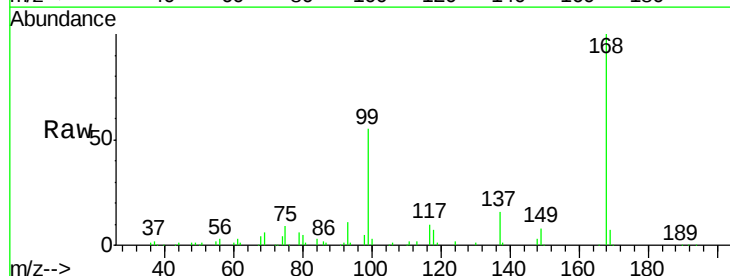
Tgt Ion: 117 Resp: 56853

Ion Ratio Lower Upper

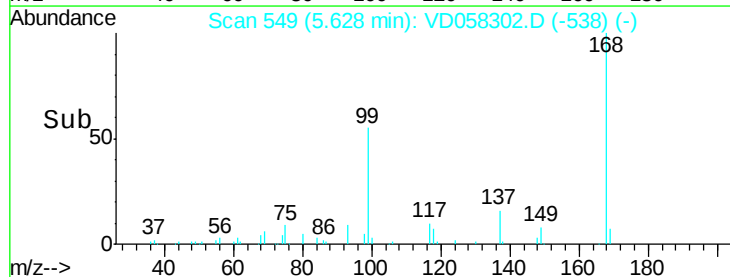
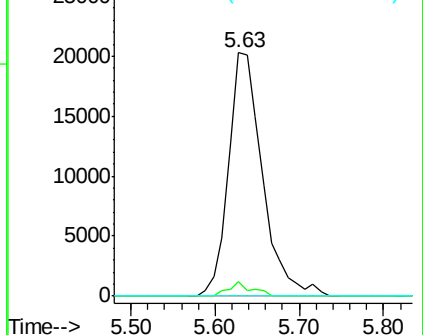
117 100

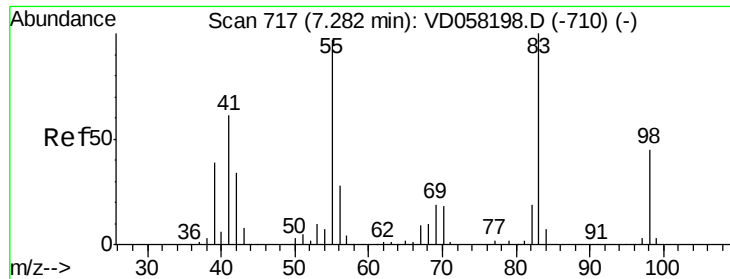
119 6.0 78.8 118.2#

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

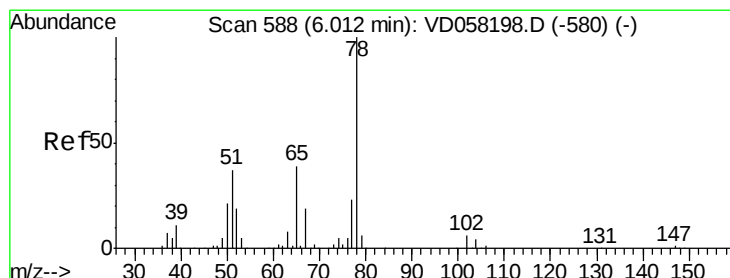
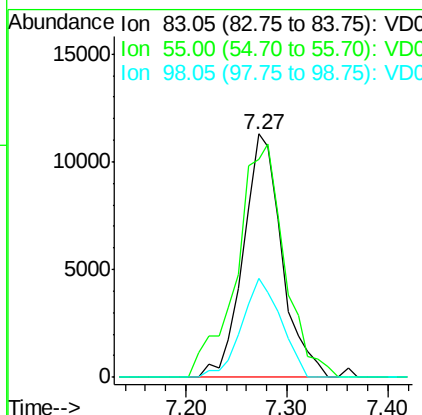
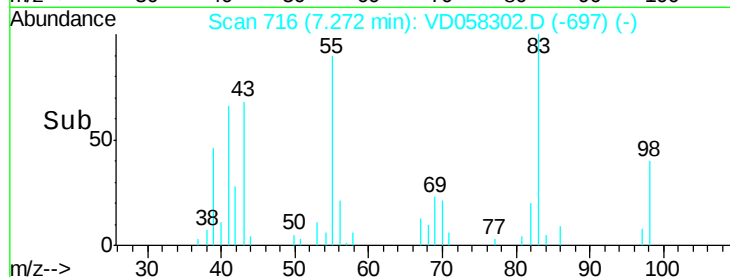
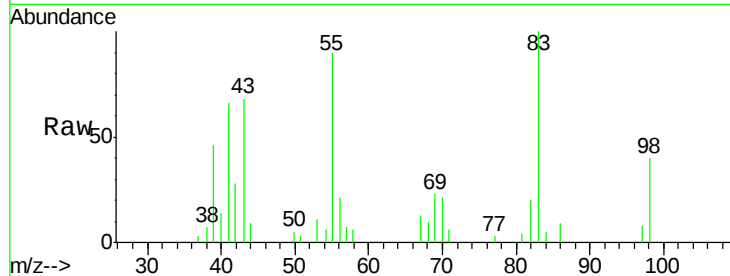




#39
Methvlcvclohexane
Concen: 3.407 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.01 min
Lab File: VD058302.D
Acq: 22 Jun 2018 17:54

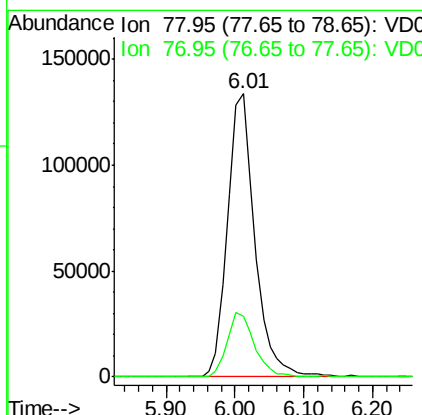
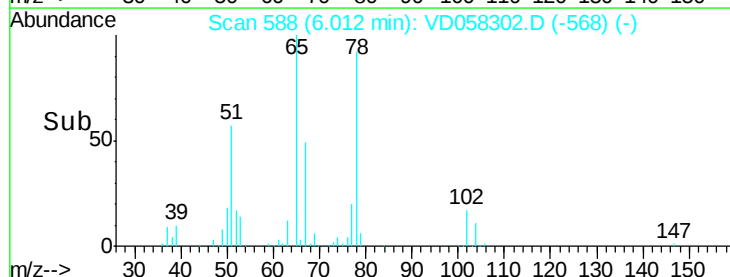
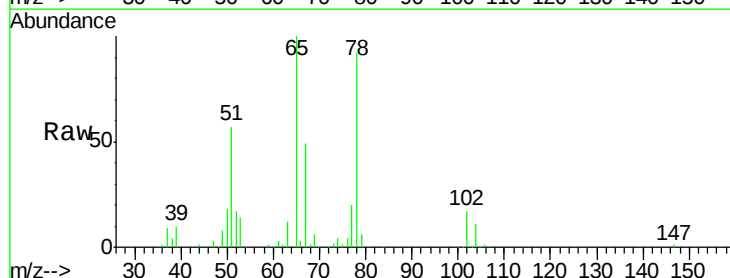
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-26-28-180618

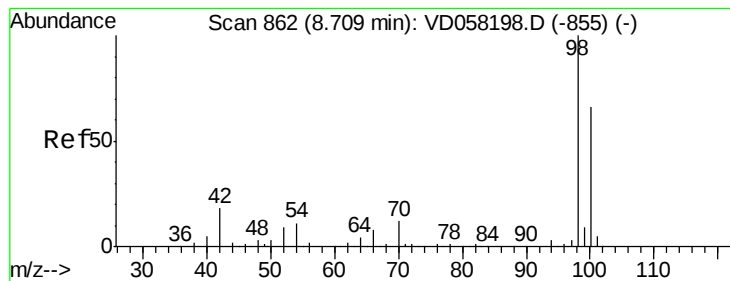
Tot Ion: 83 Resp: 30128
Ion Ratio Lower Upper
83 100
55 89.6 77.4 116.2
98 40.4 35.9 53.9



#40
Benzene
Concen: 17.014 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.00 min
Lab File: VD058302.D
Acq: 22 Jun 2018 17:54

Tgt Ion: 78 Resp: 367956
Ion Ratio Lower Upper
78 100
77 21.7 18.5 27.7





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

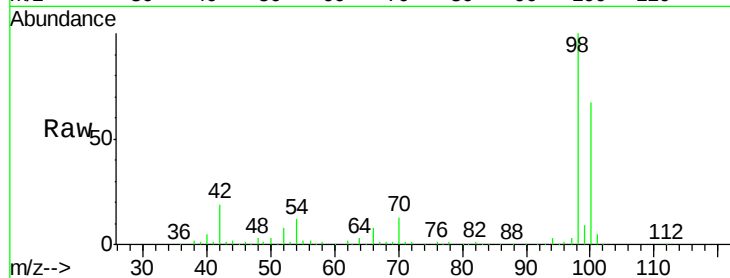
WP021SB472-26-28-180618

Tot Ion: 98 Resp: 900030

Ion Ratio Lower Upper

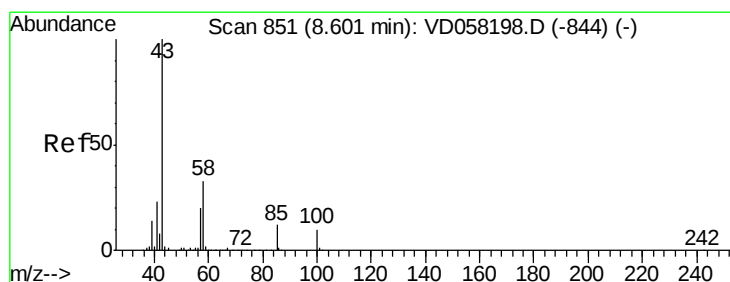
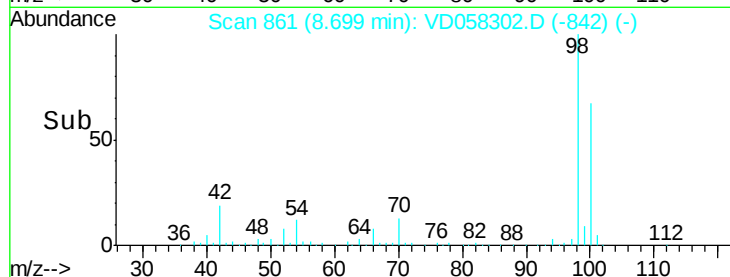
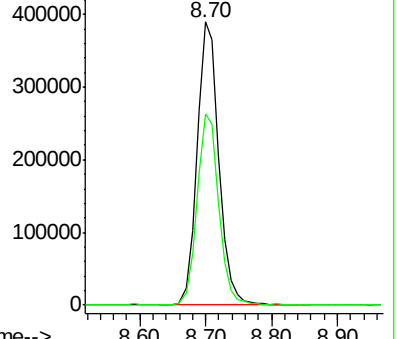
98 100

100 67.4 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: 13.987 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058302.D

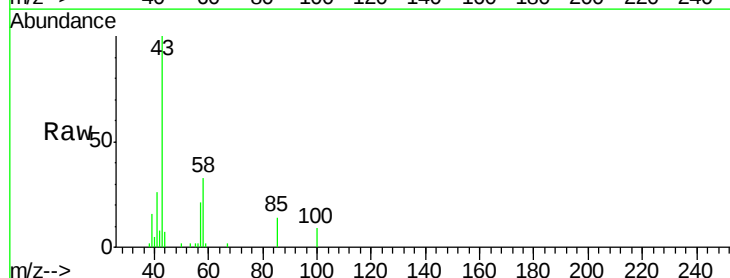
Acq: 22 Jun 2018 17:54

Tgt Ion: 43 Resp: 62917

Ion Ratio Lower Upper

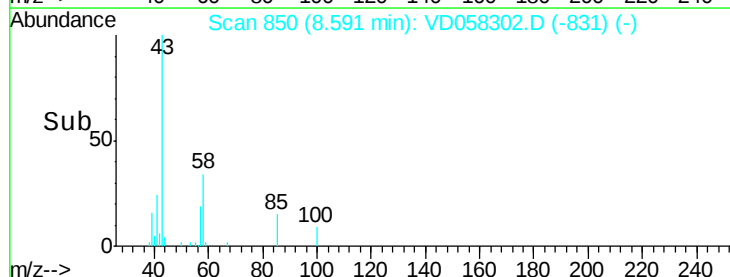
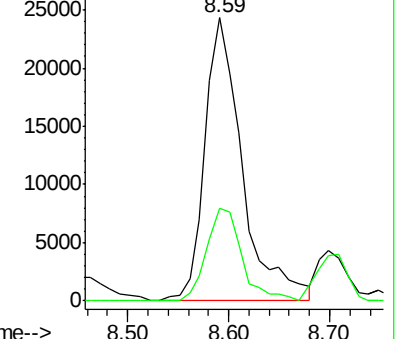
43 100

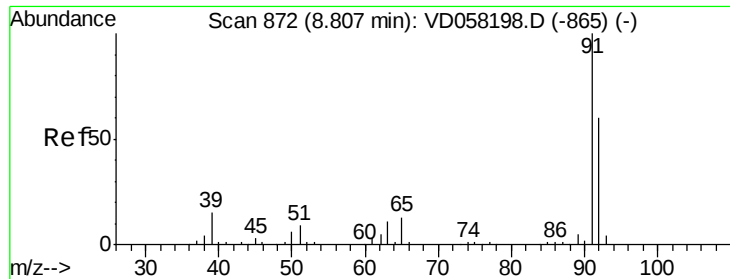
58 32.7 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 1.724 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

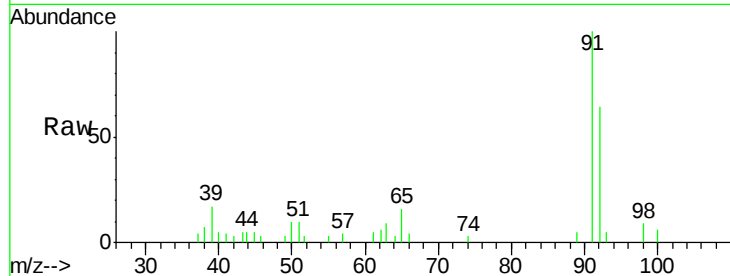
WP021SB472-26-28-180618

Tot Ion: 92 Resp: 21229

Ion Ratio Lower Upper

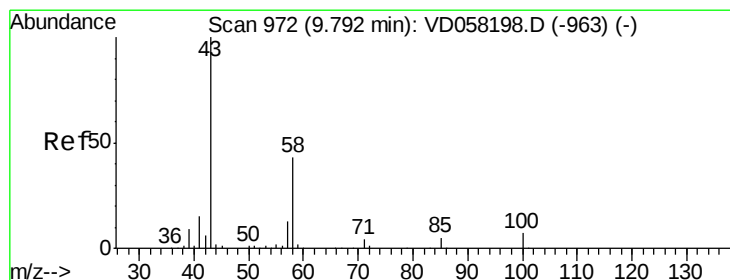
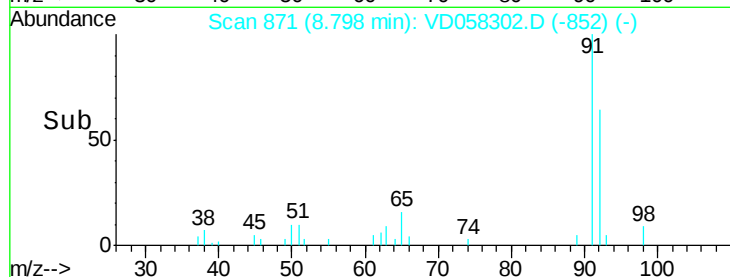
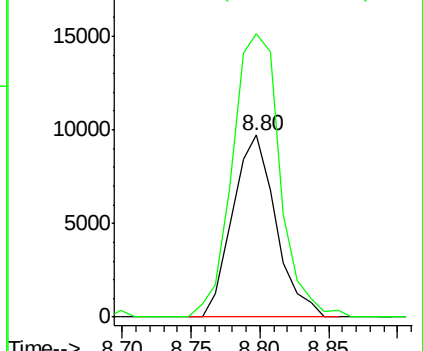
92 100

91 155.4 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#59

2-Hexanone

Concen: 8.068 ug/l

RT: 9.73 min Scan# 966

Delta R.T. -0.06 min

Lab File: VD058302.D

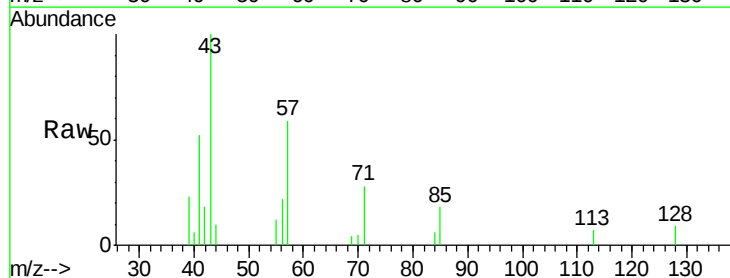
Acq: 22 Jun 2018 17:54

Tgt Ion: 43 Resp: 26223

Ion Ratio Lower Upper

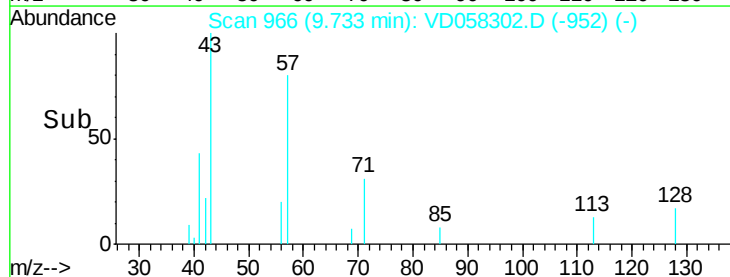
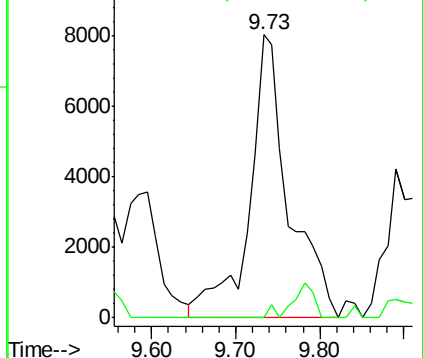
43 100

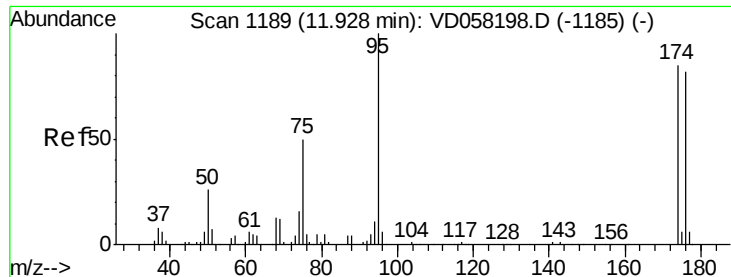
58 0.0 21.7 65.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-26-28-180618

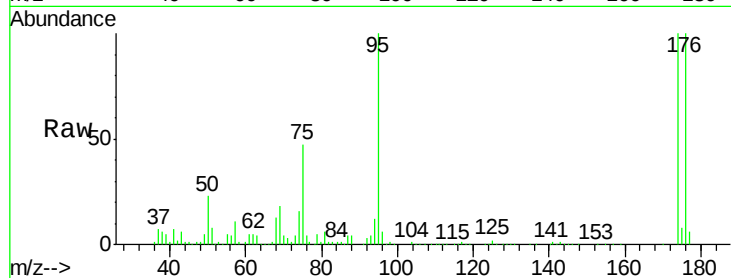
Tot Ion: 95 Resp: 380832

Ion Ratio Lower Upper

95 100

174 100.4 0.0 170.2

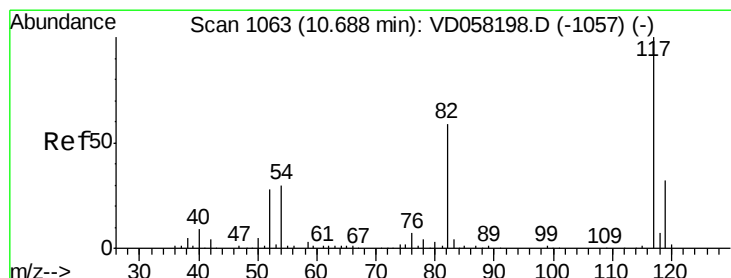
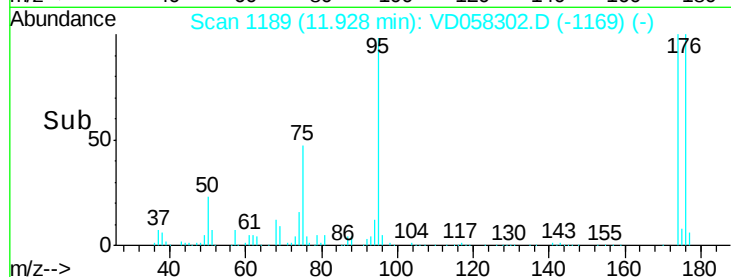
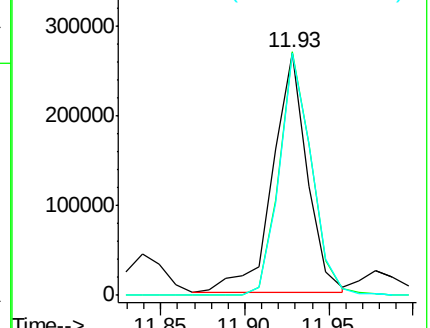
176 100.0 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

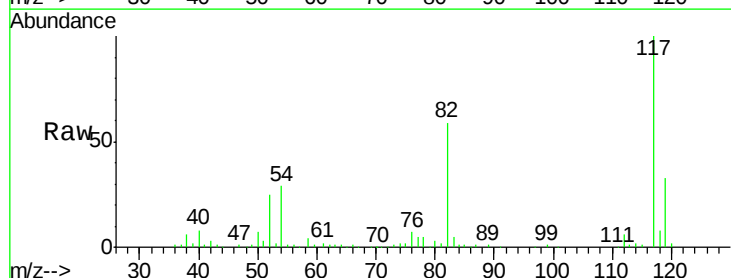
Tgt Ion: 117 Resp: 728518

Ion Ratio Lower Upper

117 100

82 58.6 47.0 70.6

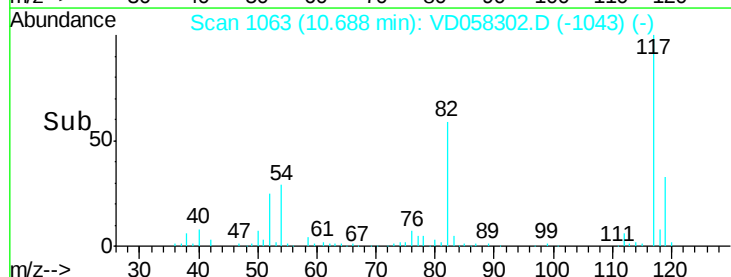
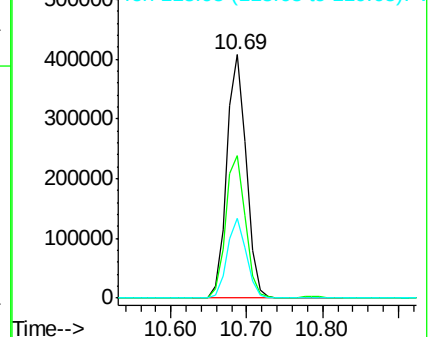
119 32.8 25.3 37.9

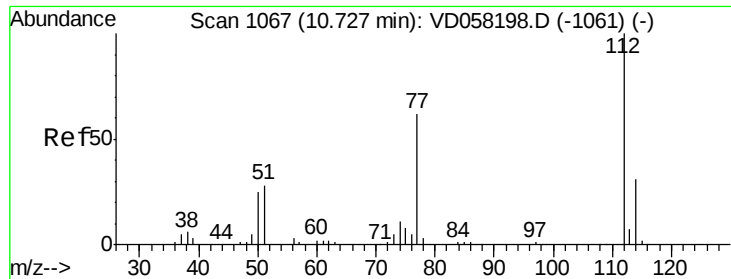


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#65

Chlorobenzene

Concen: 261.011 ug/l

RT: 10.72 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

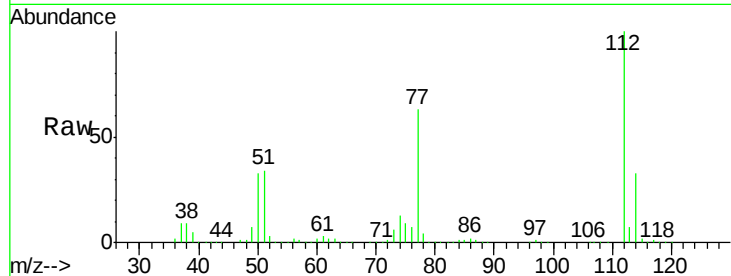
WP021SB472-26-28-180618

Tot Ion:112 Resp: 3556869

Ion Ratio Lower Upper

112 100

114 32.8 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

10.72

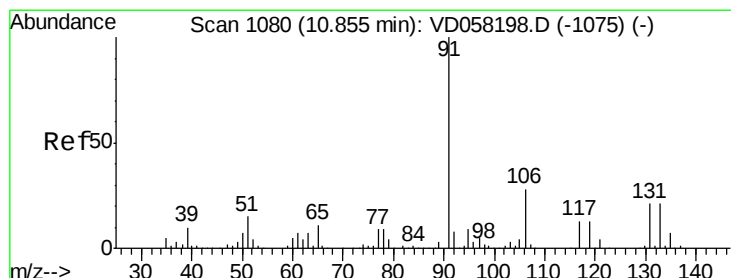
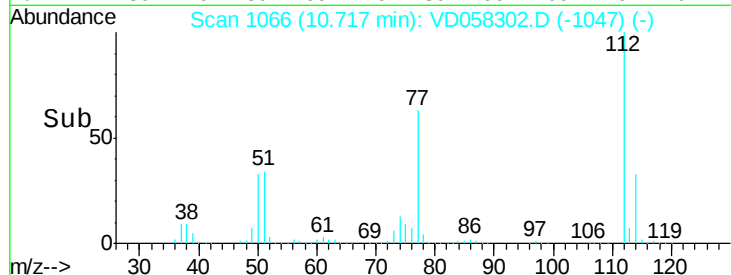
1500000

1000000

500000

0

Time--> 10.60 10.70 10.80 10.90



#67

Ethyl Benzene

Concen: 1.121 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VD058302.D

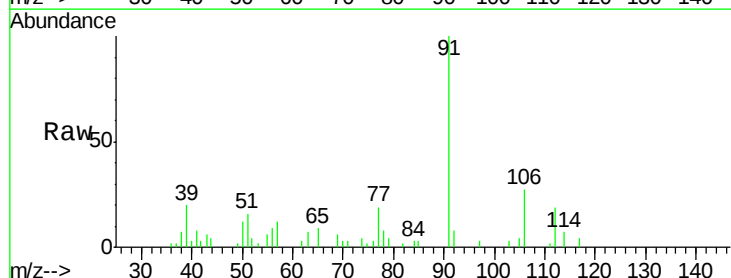
Acq: 22 Jun 2018 17:54

Tgt Ion: 91 Resp: 26966

Ion Ratio Lower Upper

91 100

106 26.8 22.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

10.86

20000

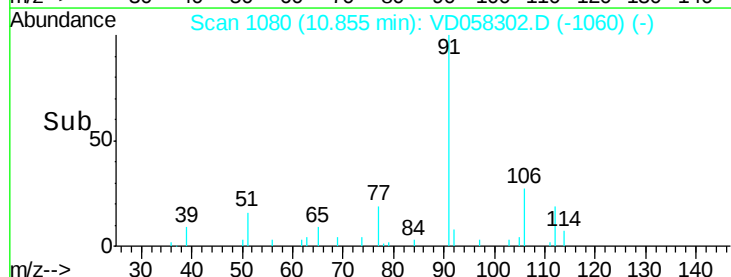
15000

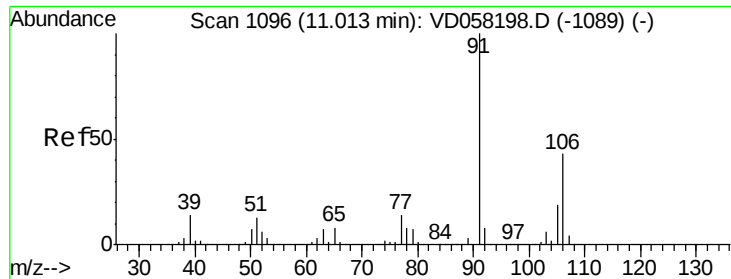
10000

5000

0

Time--> 10.80 10.85 10.90

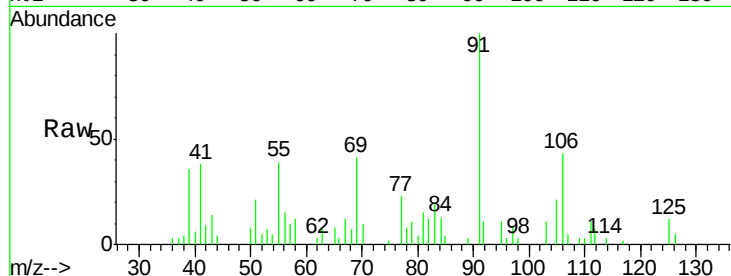




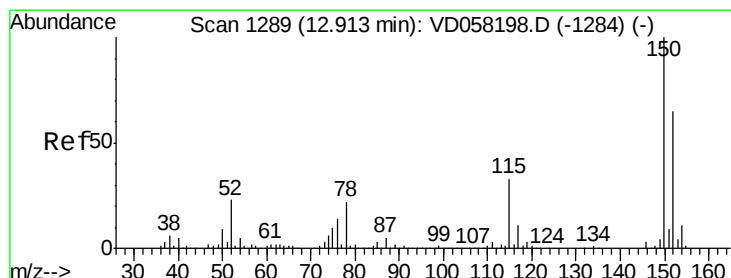
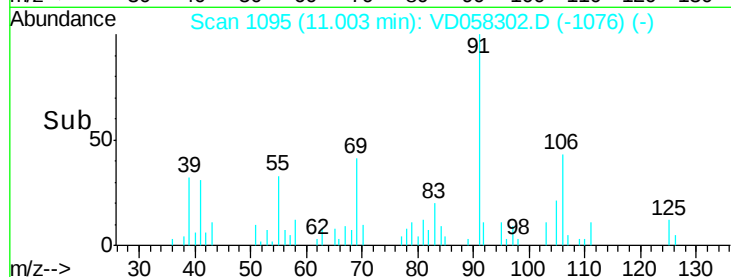
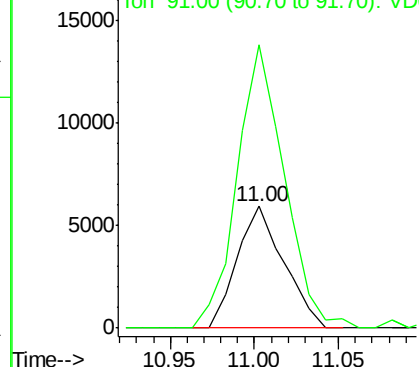
#68
m/p-Xvlenes
Concen: 1.417 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058302.D
Acq: 22 Jun 2018 17:54

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-26-28-180618

Tot Ion:106 Resp: 11370
Ion Ratio Lower Upper
106 100
91 232.3 185.0 277.6

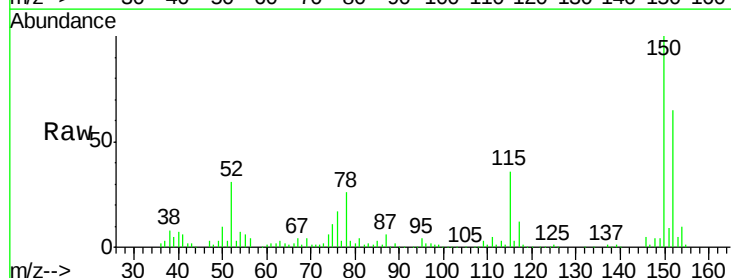


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

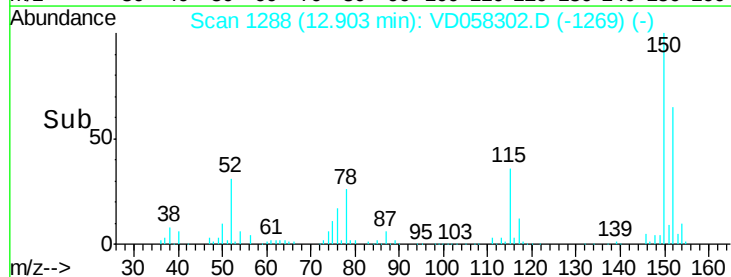
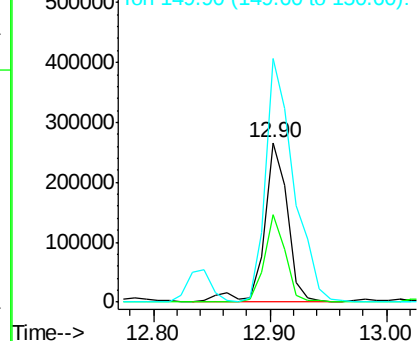


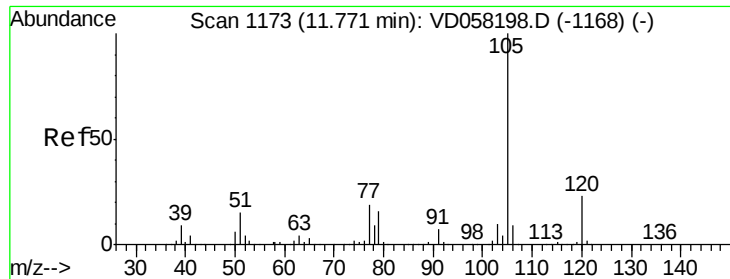
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058302.D
Acq: 22 Jun 2018 17:54

Tgt Ion:152 Resp: 362190
Ion Ratio Lower Upper
152 100
115 54.9 25.1 75.3
150 152.7 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: 1.051 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

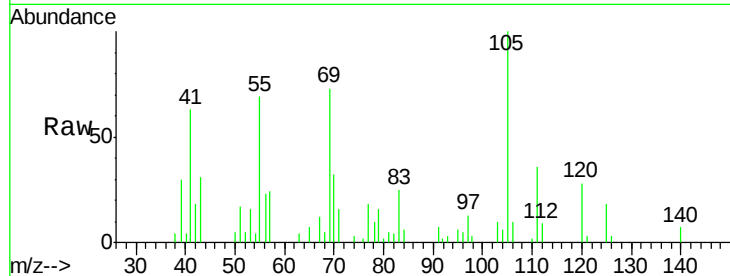
WP021SB472-26-28-180618

Tot Ion: 105 Resp: 22778

Ion Ratio Lower Upper

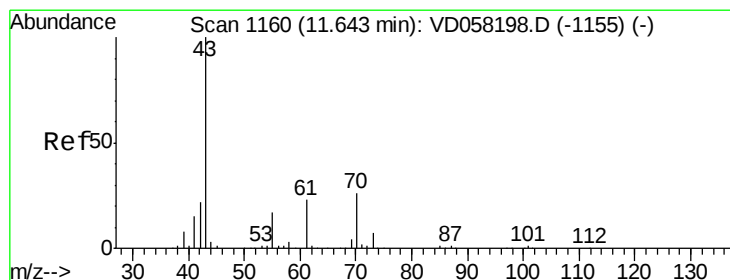
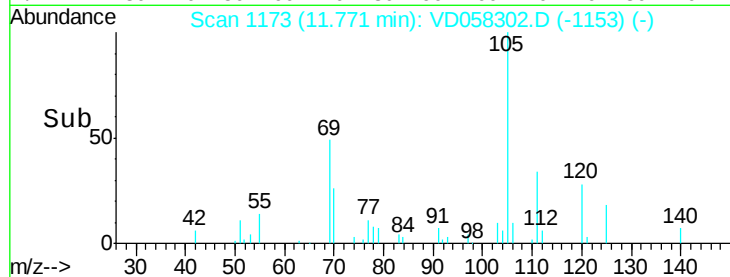
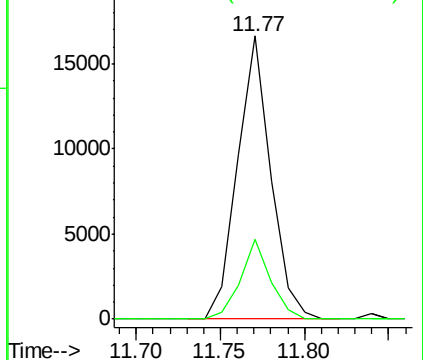
105 100

120 28.3 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: 5.926 ug/l

RT: 11.66 min Scan# 1162

Delta R.T. 0.02 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

Tgt Ion: 43 Resp: 49643

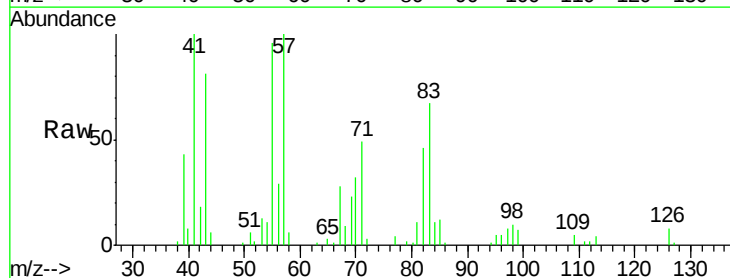
Ion Ratio Lower Upper

43 100

70 39.2 20.9 31.3#

55 118.8 13.5 20.3#

61 0.0 18.2 27.2#

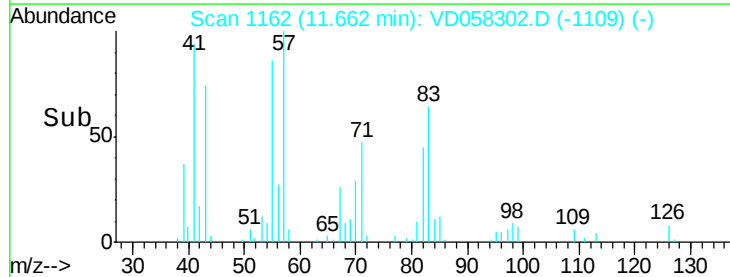
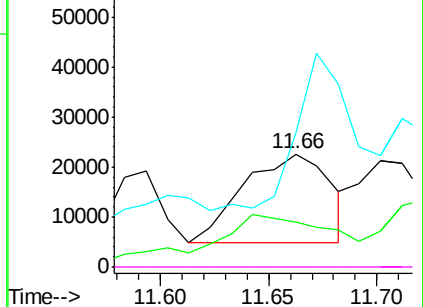


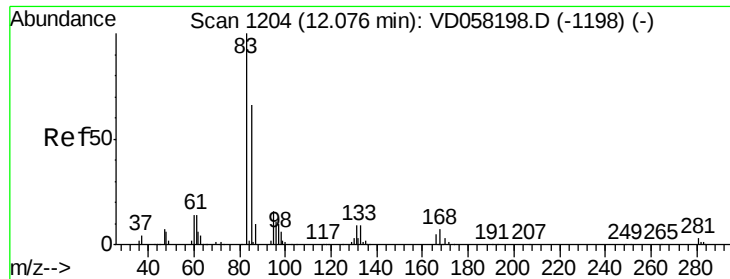
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 3.439 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058302.D

Acq: 22 Jun 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

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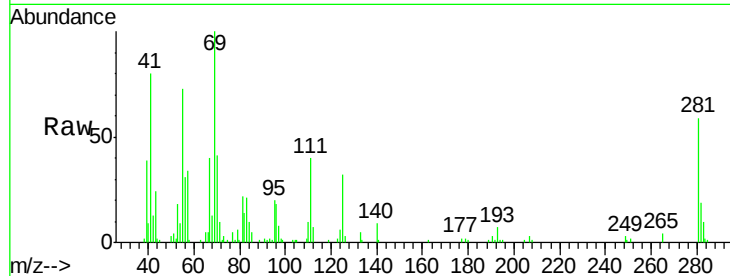
Tot Ion: 83 Resp: 17336

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

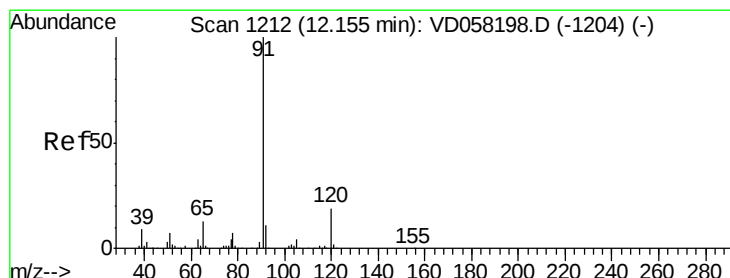
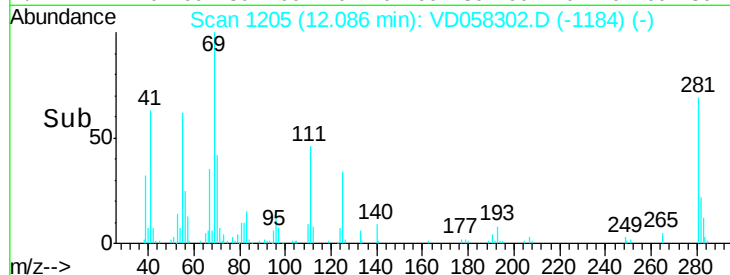
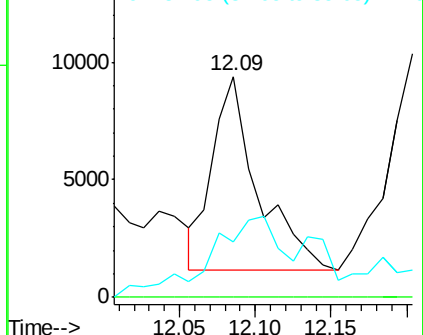
85 25.1 33.1 99.5#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#78

n-propylbenzene

Concen: 1.352 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058302.D

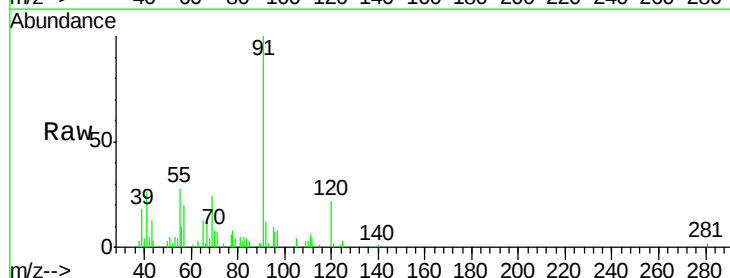
Acq: 22 Jun 2018 17:54

Tgt Ion: 91 Resp: 37817

Ion Ratio Lower Upper

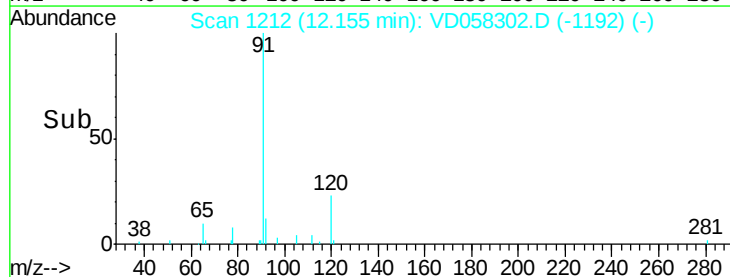
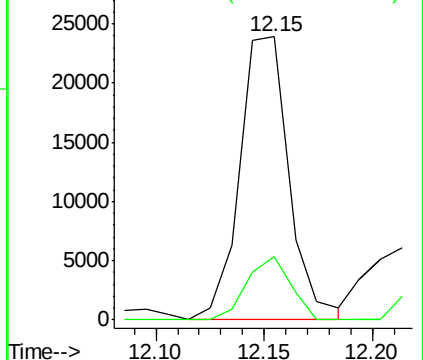
91 100

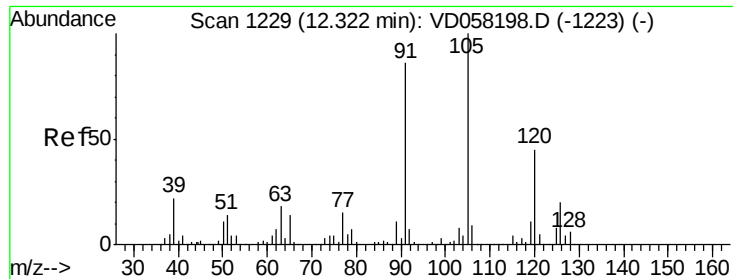
120 22.3 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC

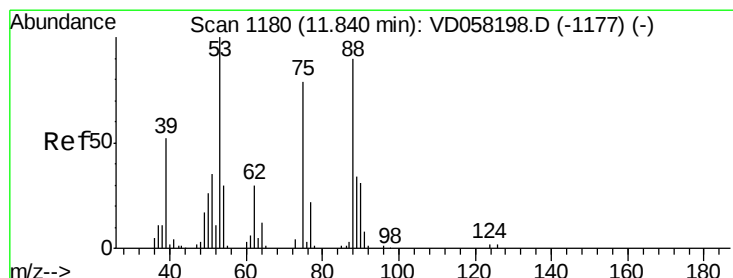
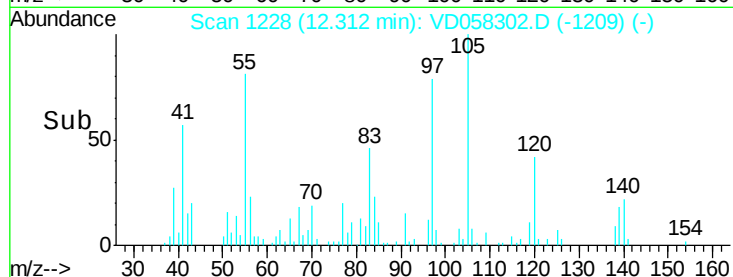
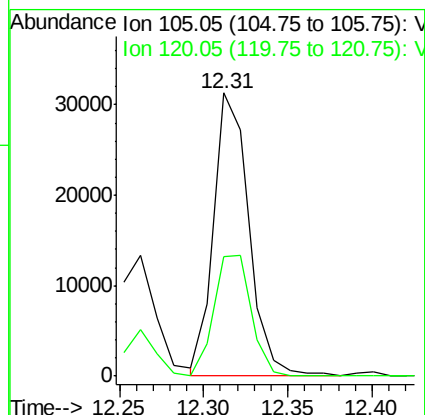
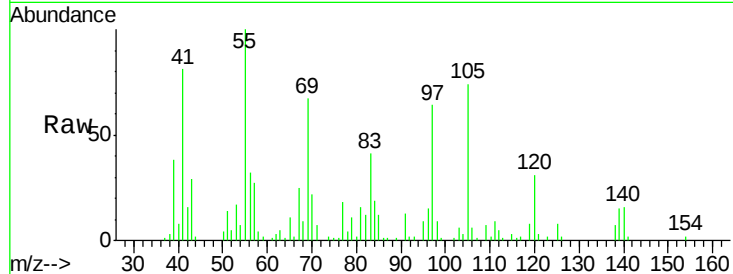




#80
 1,3,5-Trimethylbenzene
 Concen: 2.697 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058302.D
 Acq: 22 Jun 2018 17:54

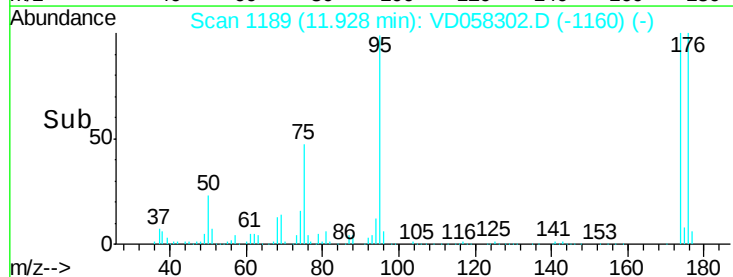
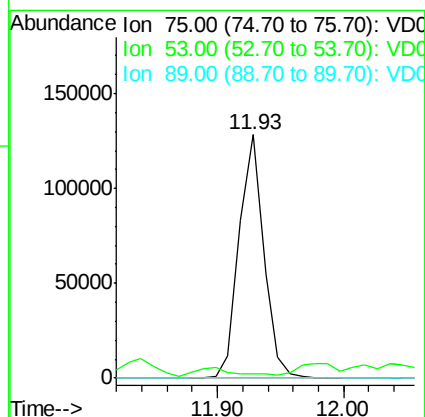
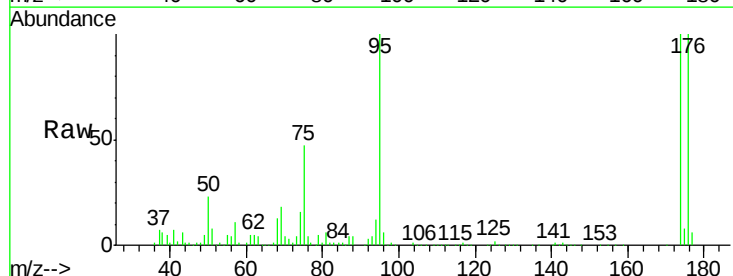
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-26-28-180618

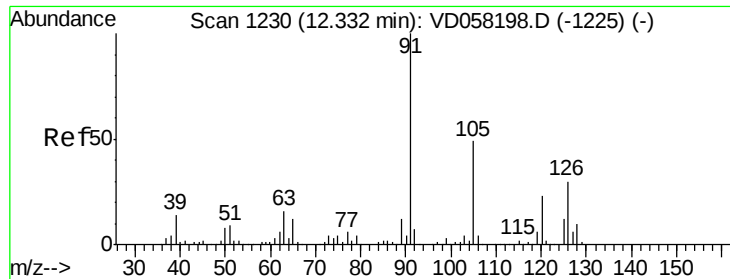
Tot Ion:105 Resp: 45577
 Ion Ratio Lower Upper
 105 100
 120 42.1 22.5 67.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.993 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. 0.09 min
 Lab File: VD058302.D
 Acq: 22 Jun 2018 17:54

Tgt Ion: 75 Resp: 174104
 Ion Ratio Lower Upper
 75 100
 53 1.9 100.8 151.2#
 89 0.0 34.6 52.0#

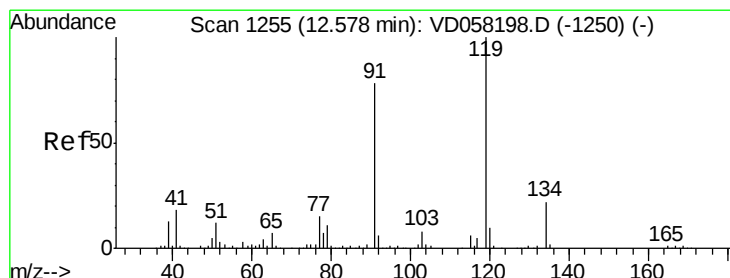
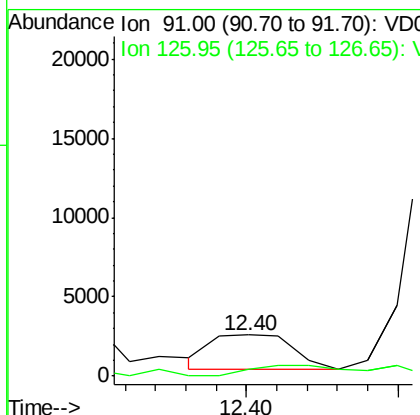
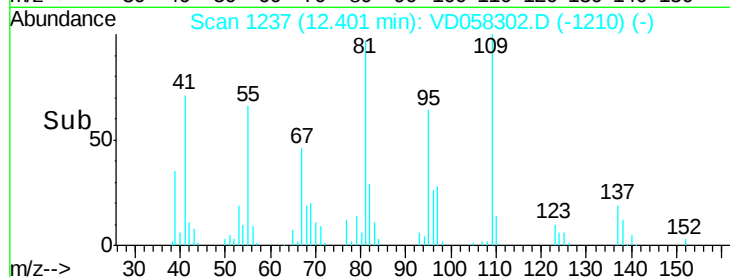
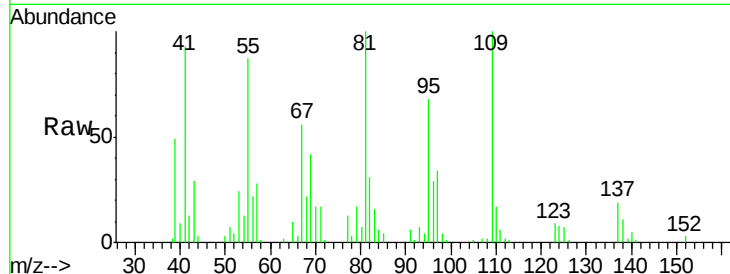




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.40 min Scan# 1237
Delta R.T. 0.07 min
Lab File: VD058302.D
Acq: 22 Jun 2018 17:54

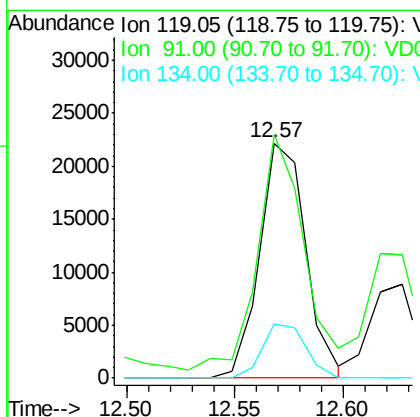
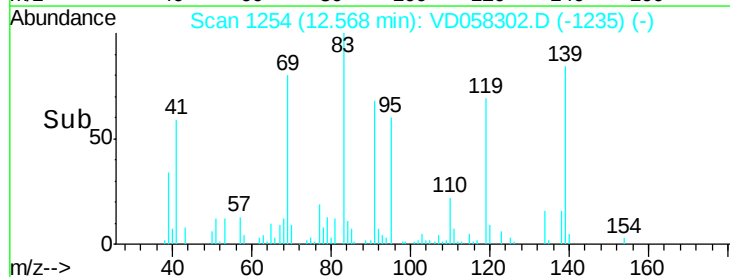
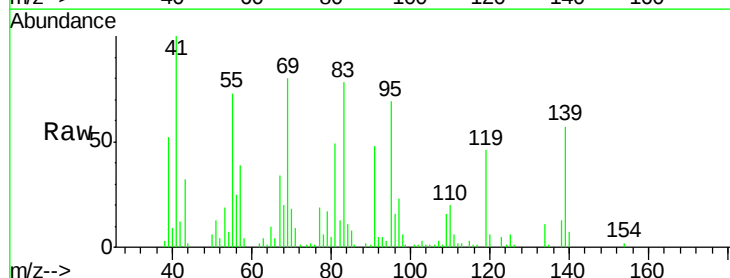
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-26-28-180618

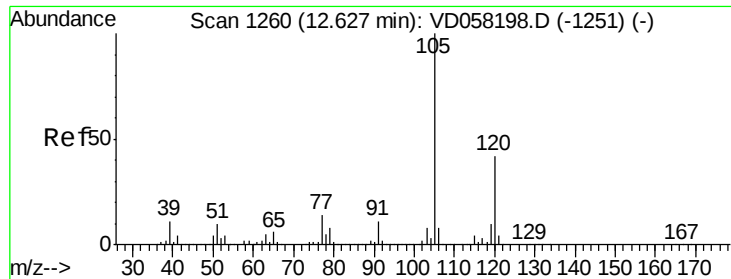
Tot Ion: 91 Resp: 4073
Ion Ratio Lower Upper
91 100
126 15.5 14.9 44.9



#83
tert-Butylbenzene
Concen: 1.707 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD058302.D
Acq: 22 Jun 2018 17:54

Tgt Ion: 119 Resp: 33164
Ion Ratio Lower Upper
119 100
91 103.6 38.9 116.6
134 22.8 11.2 33.5

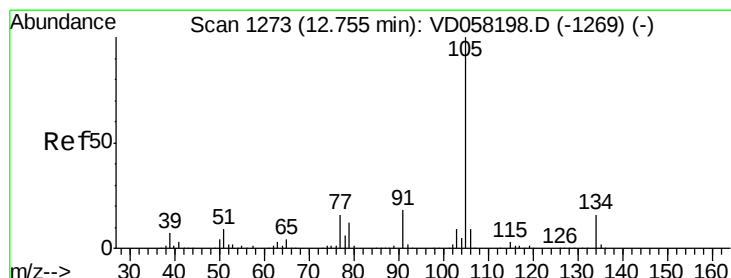
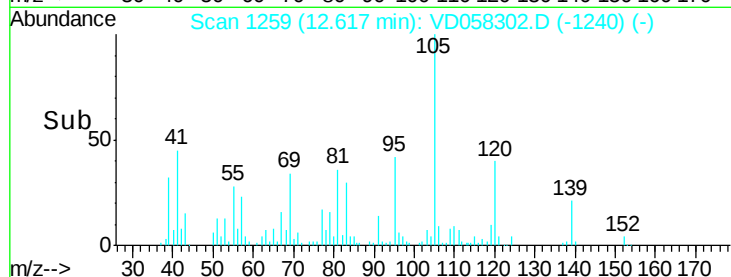
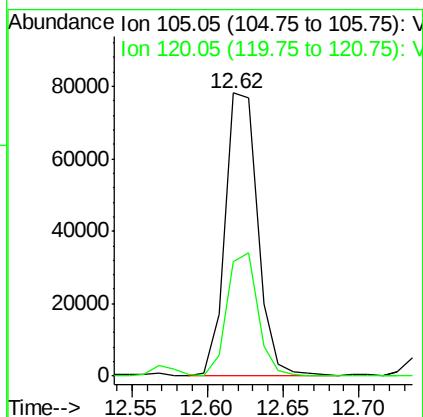
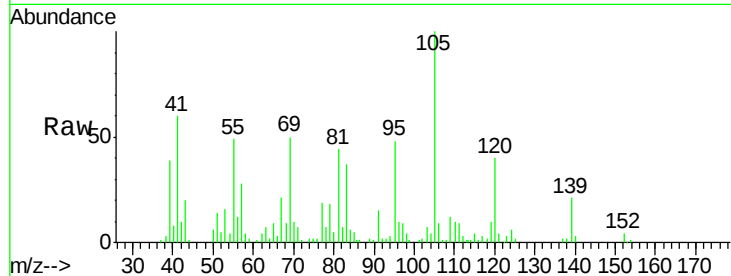




#84
 1,2,4-Trimethylbenzene
 Concen: 6.410 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD058302.D
 Acq: 22 Jun 2018 17:54

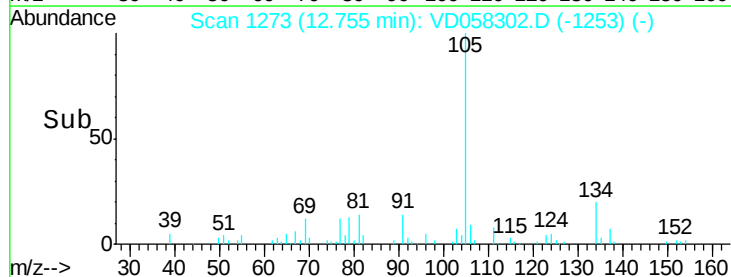
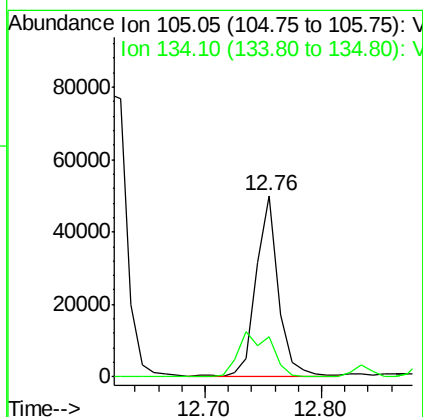
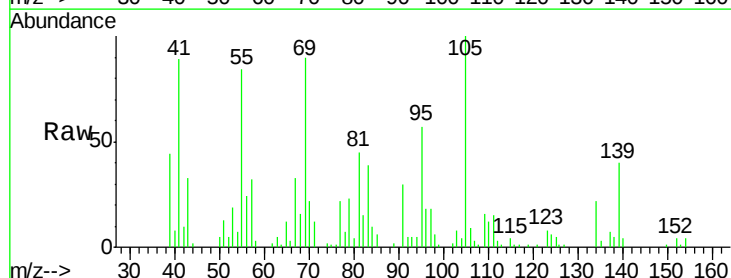
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-26-28-180618

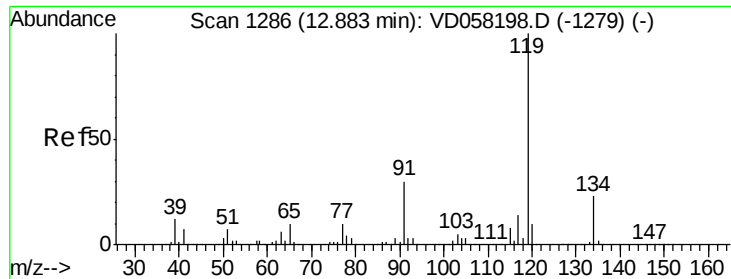
Tot Ion:105 Resp: 117745
 Ion Ratio Lower Upper
 105 100
 120 40.3 20.8 62.4



#85
 sec-Butylbenzene
 Concen: 2.950 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD058302.D
 Acq: 22 Jun 2018 17:54

Tgt Ion:105 Resp: 67175
 Ion Ratio Lower Upper
 105 100
 134 22.0 8.1 24.3

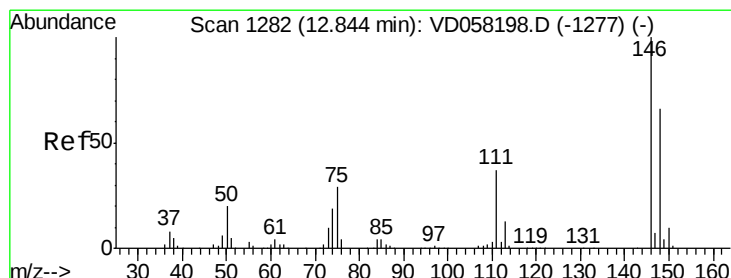
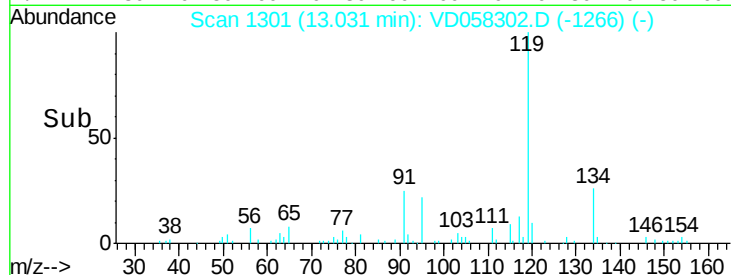
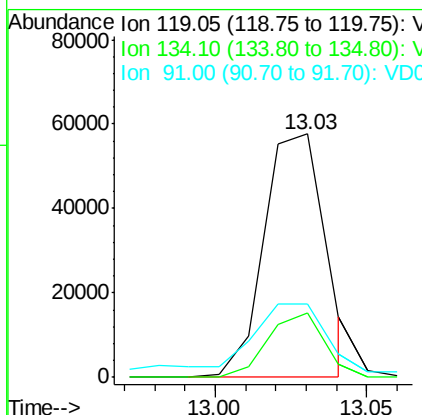
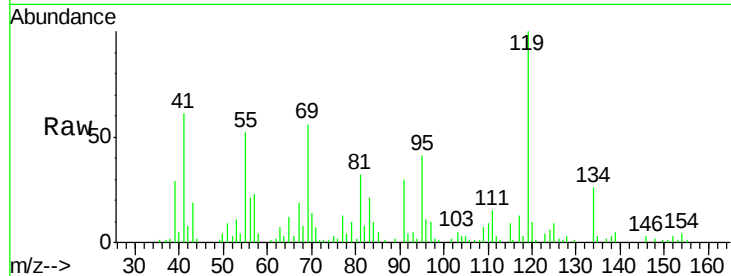




#86
 p-Isopropyltoluene
 Concen: 4.405 ug/l
 RT: 13.03 min Scan# 1301
 Delta R.T. 0.15 min
 Lab File: VD058302.D
 Acq: 22 Jun 2018 17:54

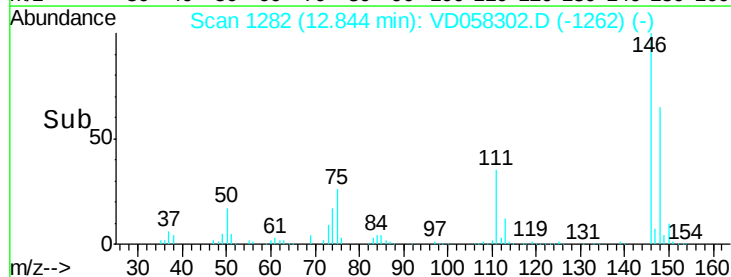
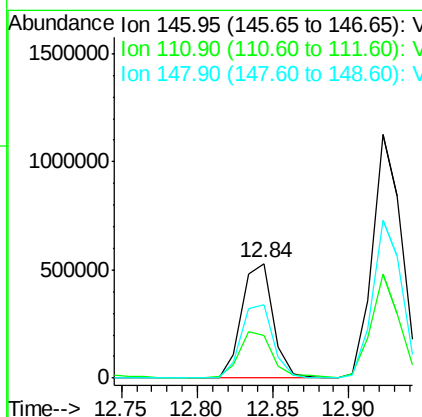
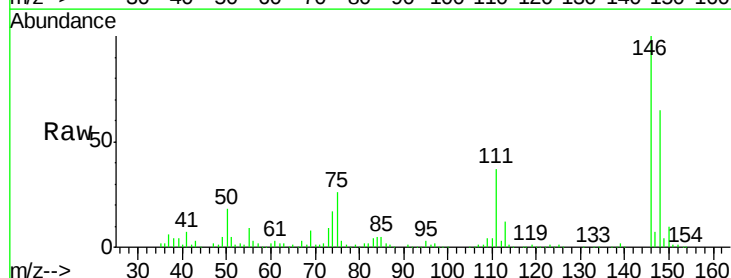
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-26-28-180618

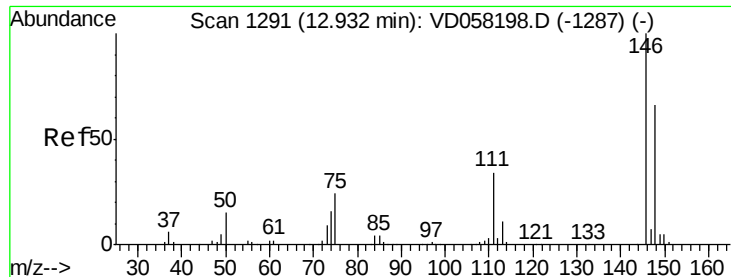
Tot Ion:119 Resp: 81279
 Ion Ratio Lower Upper
 119 100
 134 26.3 11.6 34.8
 91 29.9 15.0 45.1



#87
 1,3-Dichlorobenzene
 Concen: 68.313 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058302.D
 Acq: 22 Jun 2018 17:54

Tgt Ion:146 Resp: 770266
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.4 55.0
 148 64.5 32.8 98.4

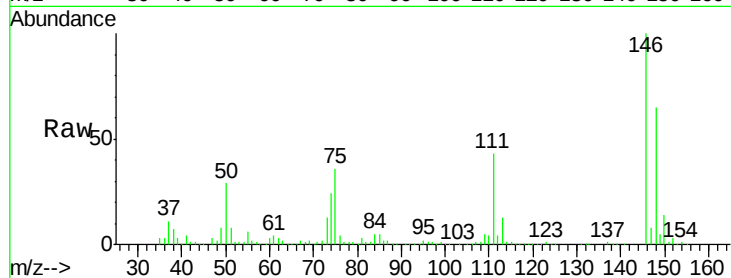




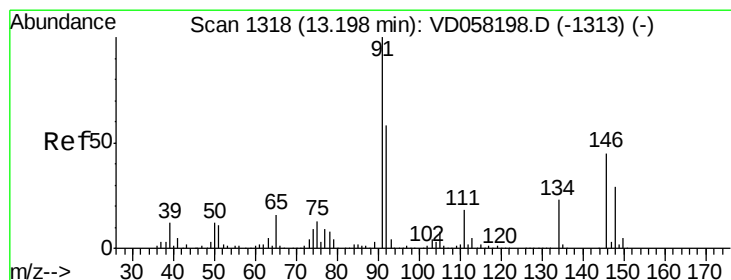
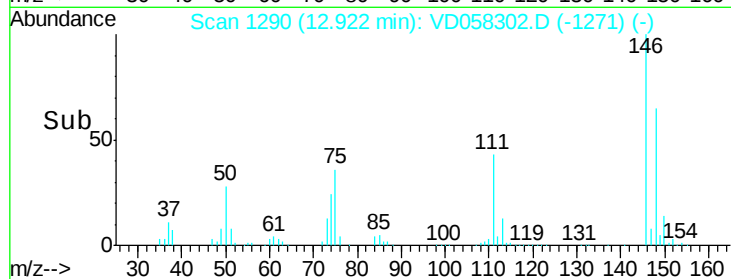
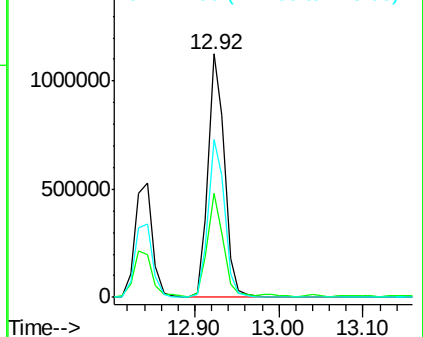
#88
 1,4-Dichlorobenzene
 Concen: 138.453 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058302.D
 Acq: 22 Jun 2018 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-26-28-180618

Tot Ion:146 Resp: 1524490
 Ion Ratio Lower Upper
 146 100
 111 43.0 17.2 51.5
 148 64.8 33.1 99.3

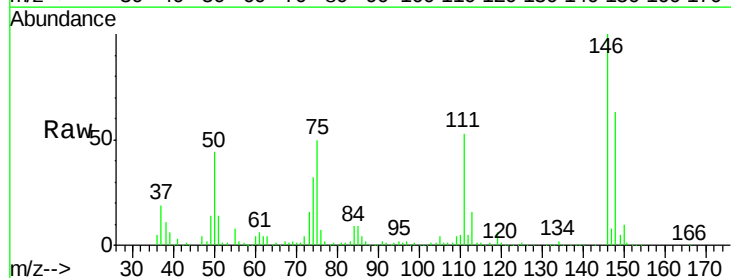


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

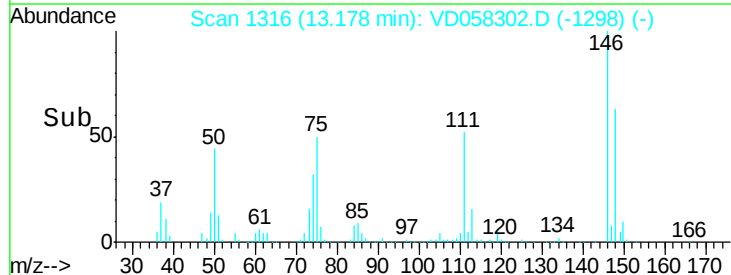
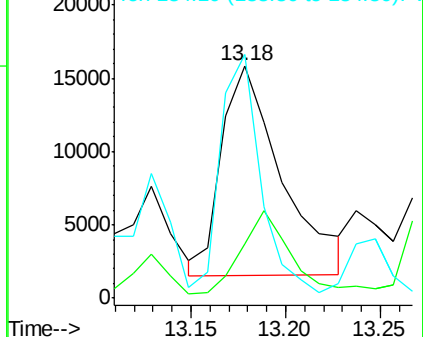


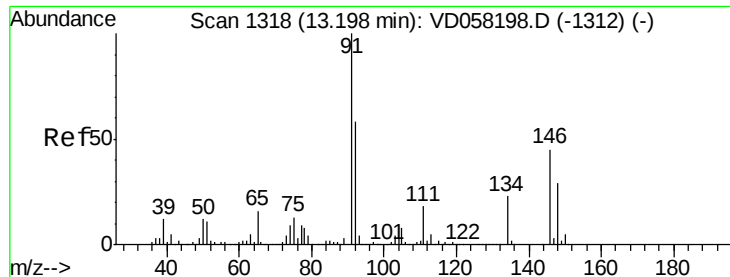
#89
 n-Butylbenzene
 Concen: 1.630 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.02 min
 Lab File: VD058302.D
 Acq: 22 Jun 2018 17:54

Tgt Ion: 91 Resp: 31613
 Ion Ratio Lower Upper
 91 100
 92 23.4 29.2 87.6#
 134 104.6 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

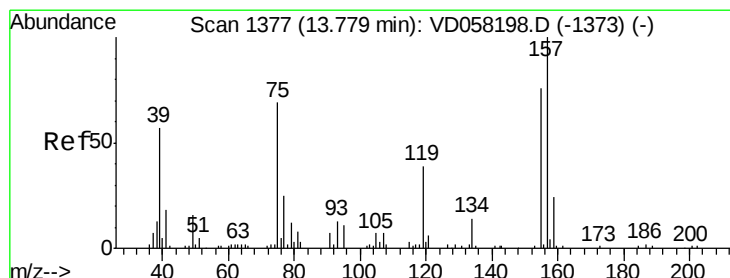
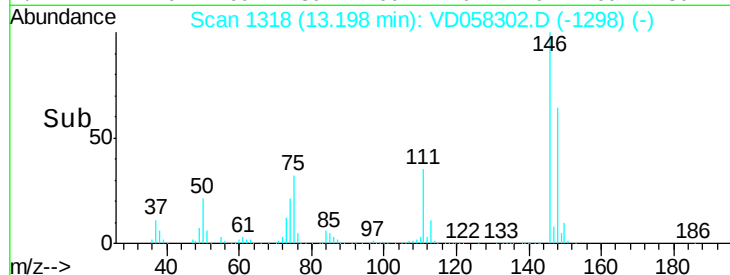
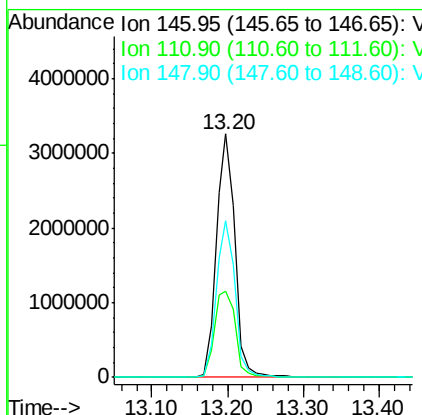
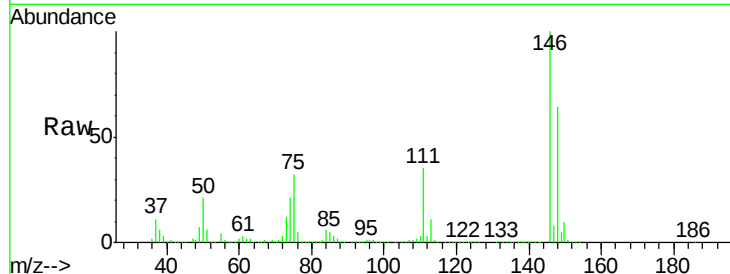




#91
 1,2-Dichlorobenzene
 Concen: 587.534 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD058302.D
 Acq: 22 Jun 2018 17:54

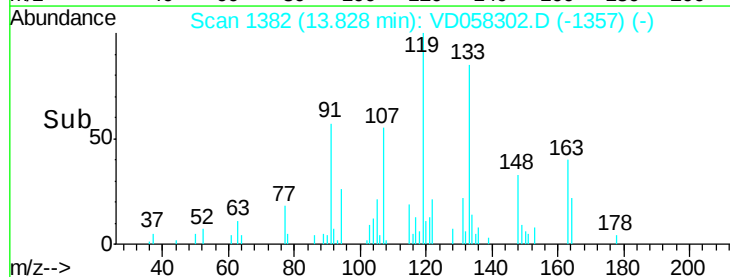
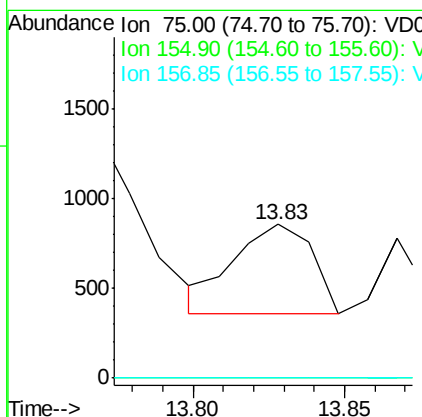
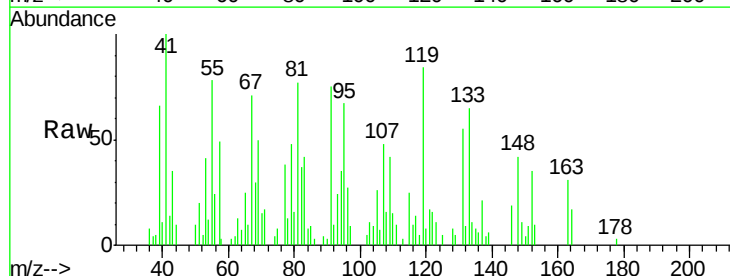
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-26-28-180618

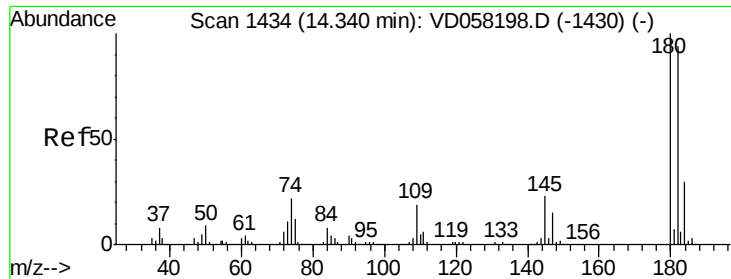
Tot Ion:146 Resp: 5637681
 Ion Ratio Lower Upper
 146 100
 111 35.4 19.6 58.7
 148 64.1 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.112 ug/l
 RT: 13.83 min Scan# 1382
 Delta R.T. 0.05 min
 Lab File: VD058302.D
 Acq: 22 Jun 2018 17:54

Tgt Ion: 75 Resp: 892
 Ion Ratio Lower Upper
 75 100
 155 0.0 54.5 163.5#
 157 0.0 72.0 215.9#

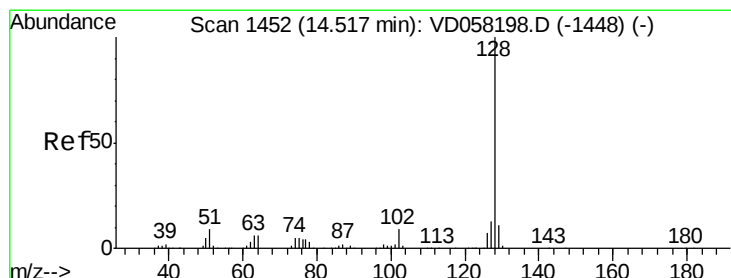
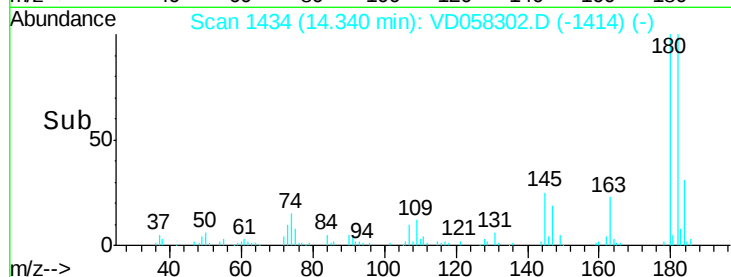
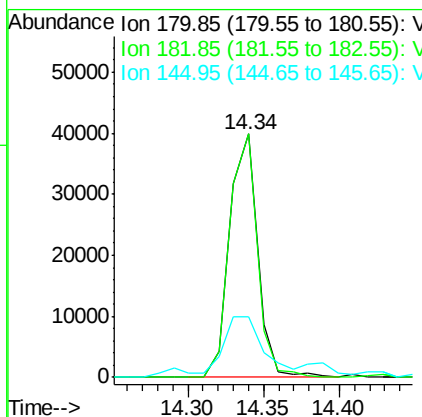
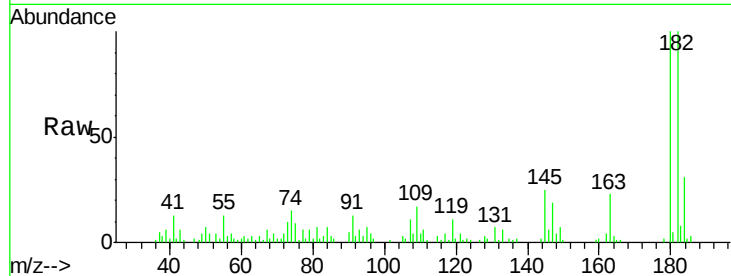




#93
 1,2,4-Trichlorobenzene
 Concen: 5.598 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058302.D
 Acq: 22 Jun 2018 17:54

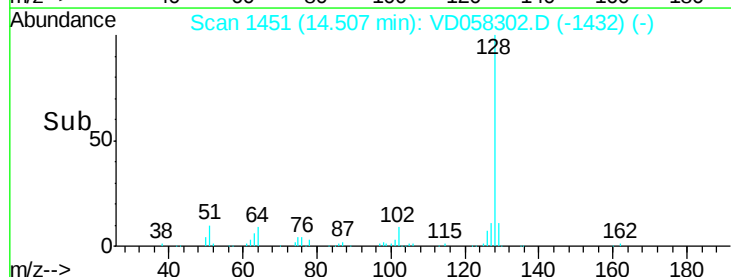
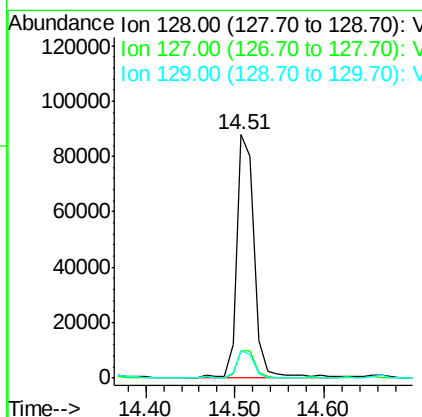
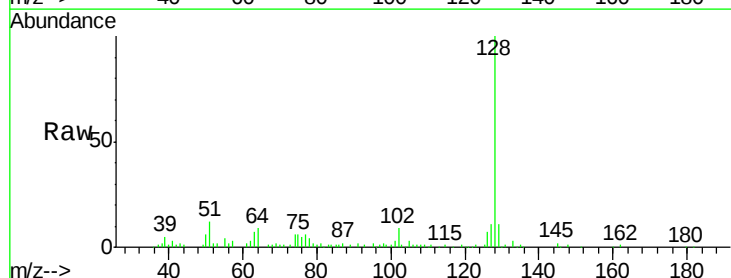
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-26-28-180618

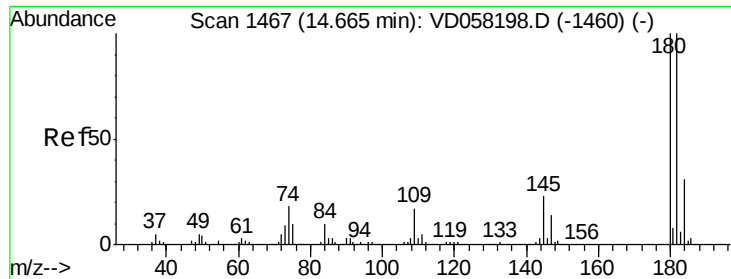
Tot Ion:180 Resp: 51379
 Ion Ratio Lower Upper
 180 100
 182 100.2 47.1 141.3
 145 25.1 11.7 35.0



#95
 Naphthalene
 Concen: 10.061 ug/l
 RT: 14.51 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: VD058302.D
 Acq: 22 Jun 2018 17:54

Tgt Ion:128 Resp: 121622
 Ion Ratio Lower Upper
 128 100
 127 11.3 10.0 15.0
 129 11.2 8.7 13.1

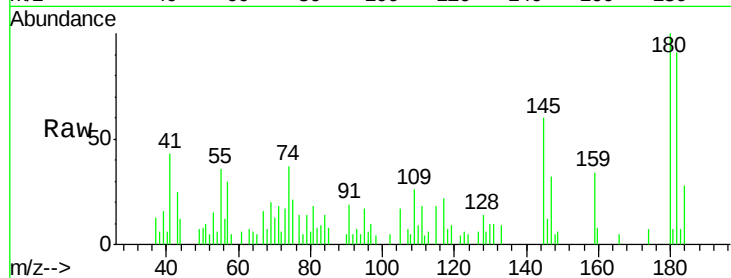




#96
 1,2,3-Trichlorobenzene
 Concen: 1.196 ug/l
 RT: 14.65 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: VD058302.D
 Acq: 22 Jun 2018 17:54

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-26-28-180618

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.2	49.9	149.6
145	60.2	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

