

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058309.D
 Acq On : 22 Jun 2018 21:12
 Operator : VA/AP
 Sample : J3663-12
 Misc : 8.94g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-27-29-180618

Quant Time: Jun 22 22:21:21 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	706944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	925014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	566391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.05	152	88193	50.00	ug/l	0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	340543	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
35) Dibromofluoromethane	5.54	113	361678	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
50) Toluene-d8	8.70	98	786366	43.17	ug/l	0.00
Spiked Amount			Recovery	=	86.34%	
62) 4-Bromofluorobenzene	11.94	95	1382831	185.85	ug/l	0.02
Spiked Amount			Recovery	=	371.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.54	50	905	Below Cal	#	43
5) Bromomethane	1.84	94	184	Below Cal		84
11) Tert butyl alcohol	3.18	59	710	3.015	ug/l #	78
13) Acrolein	2.62	56	190	1.413	ug/l #	11
16) Acetone	2.60	43	43481	44.526	ug/l	99
17) Carbon Disulfide	2.76	76	63503	7.685	ug/l #	94
20) Methylene Chloride	3.06	84	19954	3.384	ug/l #	78
25) 2-Butanone	4.83	43	15361	7.217	ug/l #	86
29) Tetrahydrofuran	5.22	42	1229	1.085	ug/l #	37
31) Cyclohexane	5.69	56	282471	30.083	ug/l #	20
36) 1,1-Dichloropropene	5.63	75	59301	6.480	ug/l #	50
38) Carbon Tetrachloride	5.64	117	55576	6.112	ug/l #	13
39) Methylcyclohexane	7.29	83	361340	40.541	ug/l #	71
41) Methacrylonitrile	5.15	41	2631	1.045	ug/l #	56
43) Isopropyl Acetate	7.65	43	359498	51.719	ug/l #	48
48) Methyl methacrylate	7.49	41	293399	69.449	ug/l #	40
51) 4-Methyl-2-Pentanone	8.67	43	796465	175.666	ug/l #	77
55) 1,1,2-Trichloroethane	9.37	97	955430	217.567	ug/l #	17
56) Ethyl methacrylate	9.37	69	218879	41.676	ug/l #	1
59) 2-Hexanone	9.76	43	5493994	1676.963	ug/l #	37
60) Dibromochloromethane	9.93	129	12493	2.096	ug/l	82
65) Chlorobenzene	10.72	112	584762	55.194	ug/l	99
73) Isopropylbenzene	11.80	105	1062280	201.371	ug/l	97
74) N-ethyl acetate	11.57	43	6732279	3300.616	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.12	83	1220958	994.579	ug/l #	62
76) 1,2,3-Trichloropropane	12.18	75	11069	8.596	ug/l #	1
77) Bromobenzene	11.97	156	4045	2.561	ug/l #	1
78) n-propylbenzene	12.18	91	1879488	275.892	ug/l	95
79) 2-Chlorotoluene	12.18	91	1922108	493.061	ug/l #	47
80) 1,3,5-Trimethylbenzene	12.30	105	33609	8.168	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.86	75	3343	10.645	ug/l #	1
82) 4-Chlorotoluene	12.31	91	172645	44.887	ug/l #	57
83) tert-Butylbenzene	12.60	119	1527384	322.883	ug/l	79
85) sec-Butylbenzene	12.80	105	2699855	486.919	ug/l	86

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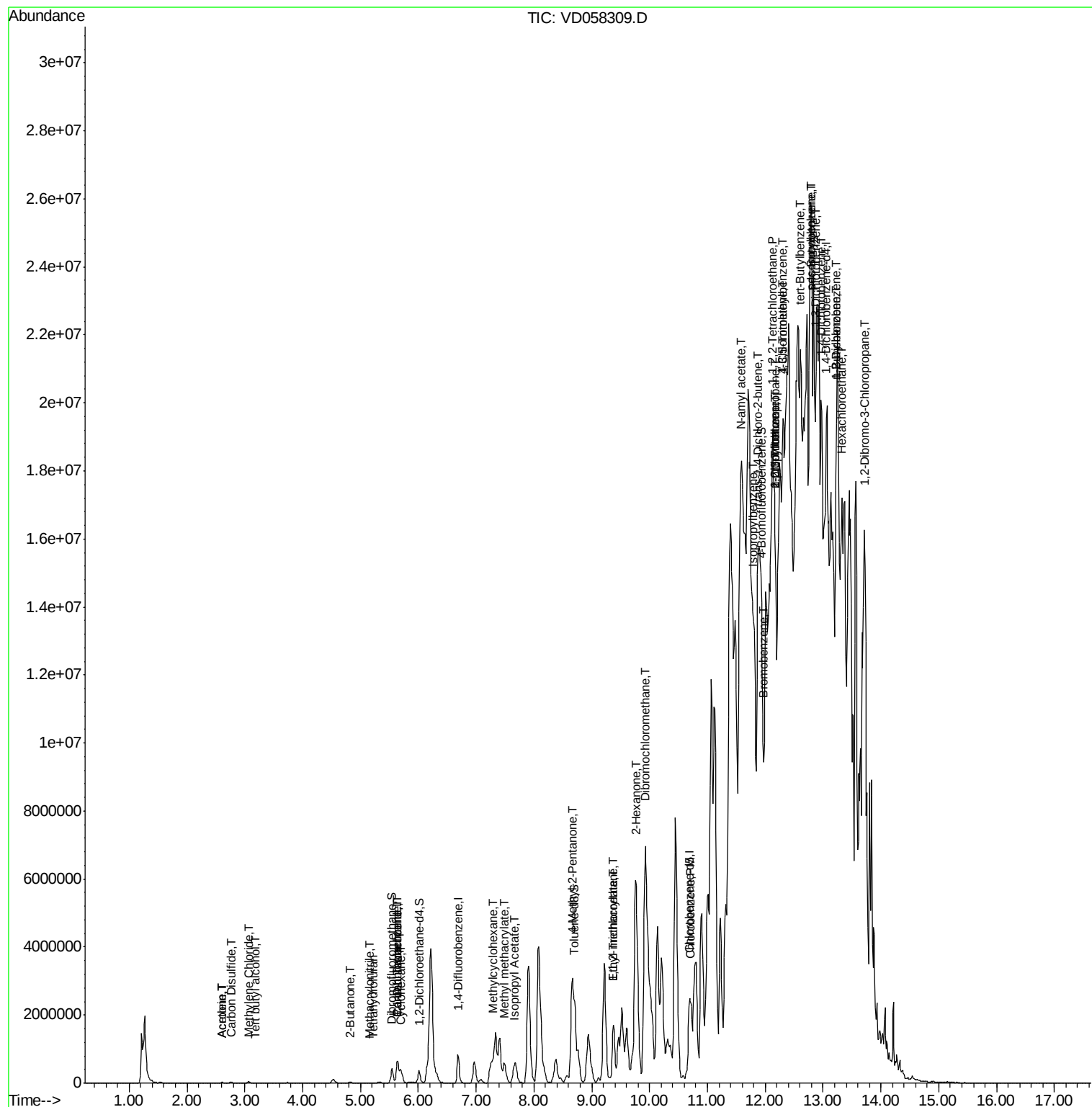
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	12.78	119	87261	19.420	ug/l #	1
87) 1,3-Dichlorobenzene	12.87	146	37722	13.739	ug/l #	1
88) 1,4-Dichlorobenzene	12.96	146	21267	7.932	ug/l #	1
89) n-Butylbenzene	13.22	91	1239759	262.527	ug/l	92
90) Hexachloroethane	13.31	117	27808	23.844	ug/l #	1
91) 1,2-Dichlorobenzene	13.22	146	8542	3.656	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.73	75	16055	82.176	ug/l #	1

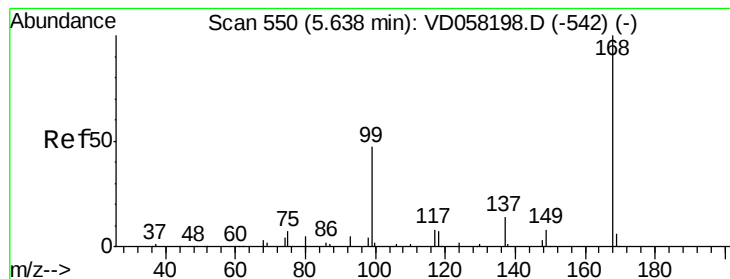
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

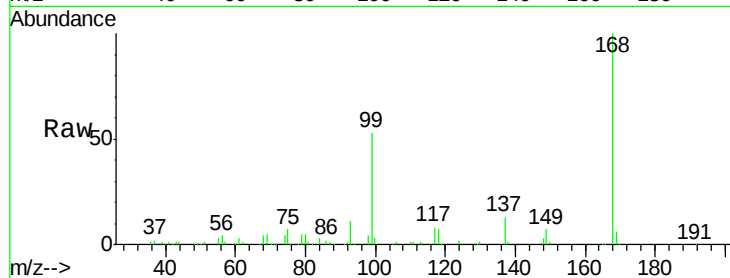
WP021SB470-27-29-180618

Tot Ion:168 Resp: 706944

Ion Ratio Lower Upper

168 100

99 53.2 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

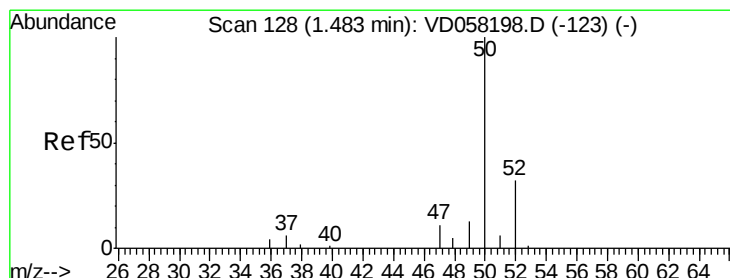
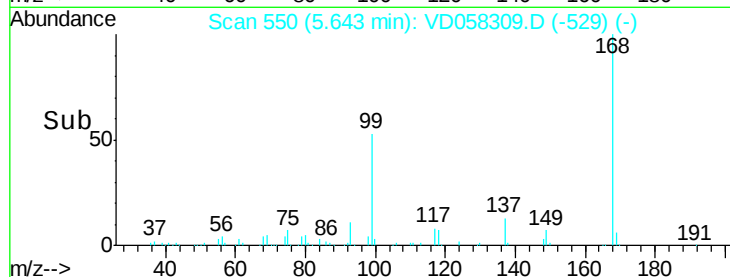
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.54 min Scan# 133

Delta R.T. 0.05 min

Lab File: VD058309.D

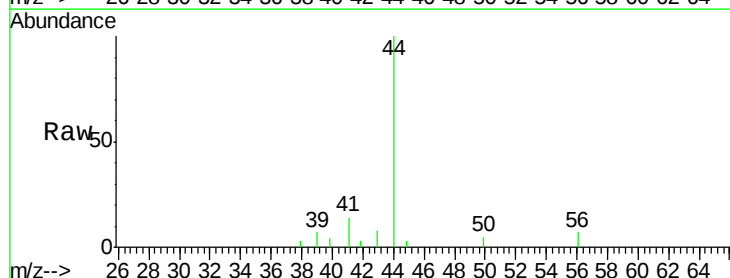
Acq: 22 Jun 2018 21:12

Tgt Ion: 50 Resp: 905

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

1.54

800

600

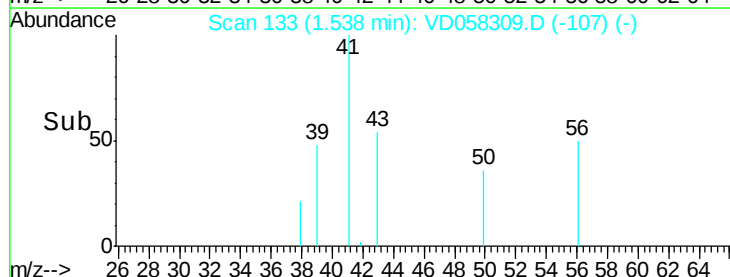
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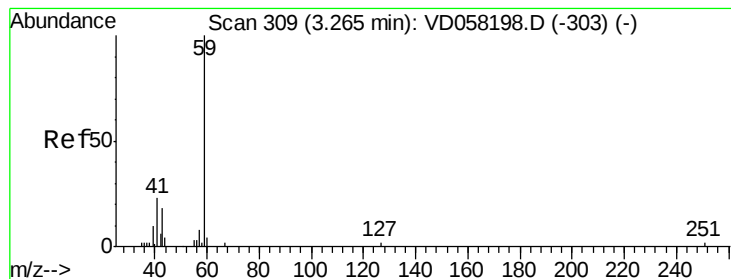
200

0

Time-->

1.50 1.55



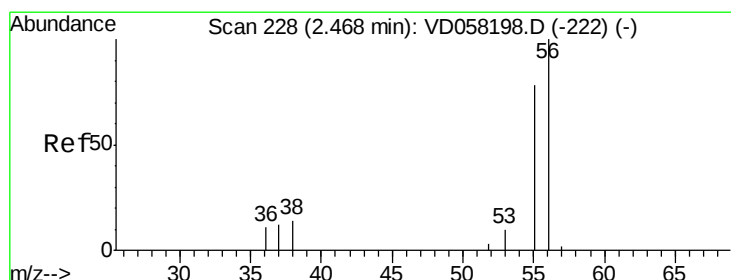
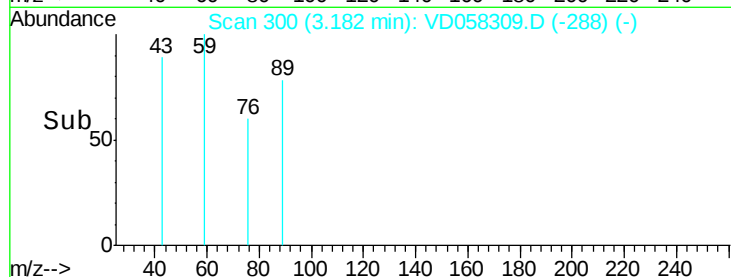
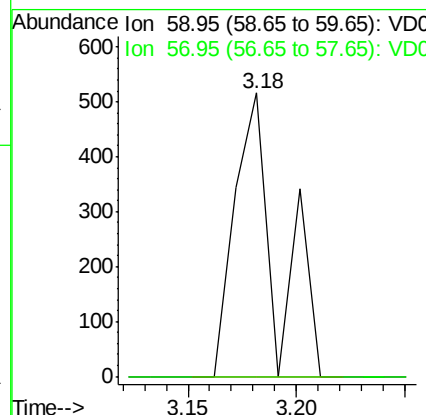
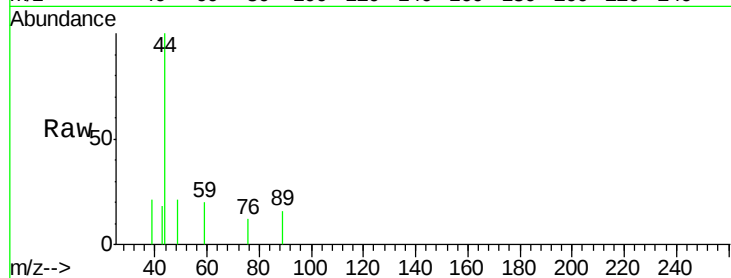


#11

Tert butyl alcohol
 Concen: 3.015 ug/l
 RT: 3.18 min Scan# 300
 Delta R.T. -0.08 min
 Lab File: VD058309.D
 Acq: 22 Jun 2018 21:12

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-27-29-180618

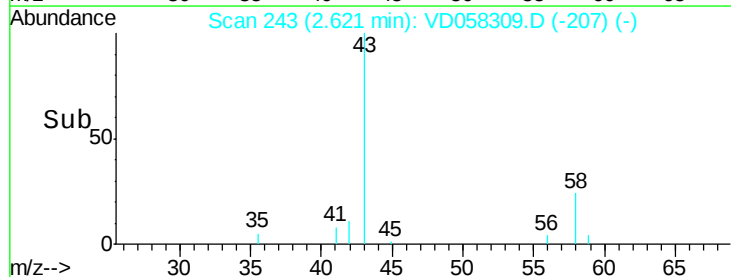
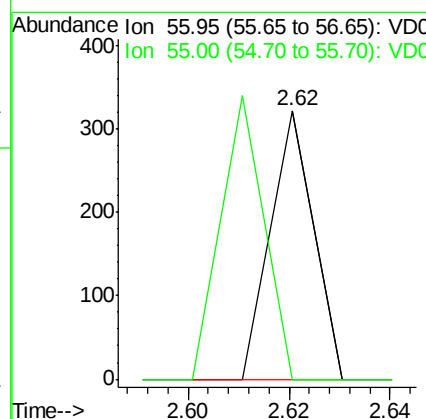
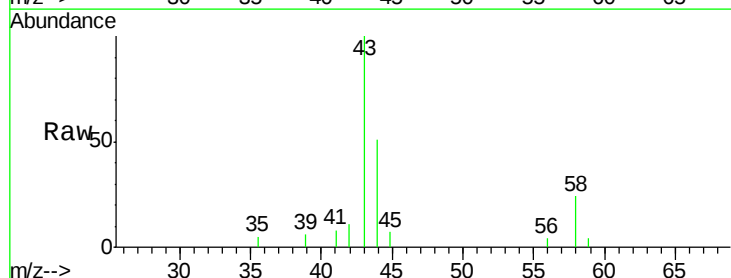
Tot Ion: 59 Resp: 710
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.2 9.4#

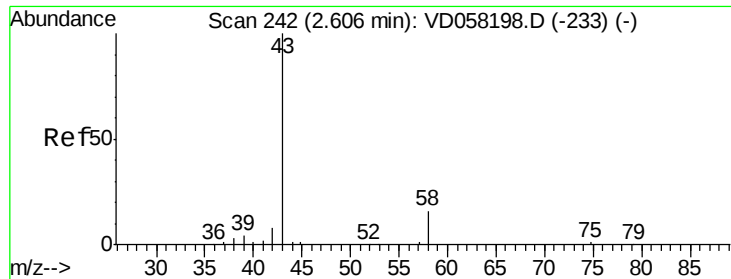


#13

Acrolein
 Concen: 1.413 ug/l
 RT: 2.62 min Scan# 243
 Delta R.T. 0.15 min
 Lab File: VD058309.D
 Acq: 22 Jun 2018 21:12

Tgt Ion: 56 Resp: 190
 Ion Ratio Lower Upper
 56 100
 55 0.0 62.1 93.1#





#16

Acetone

Concen: 44.526 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

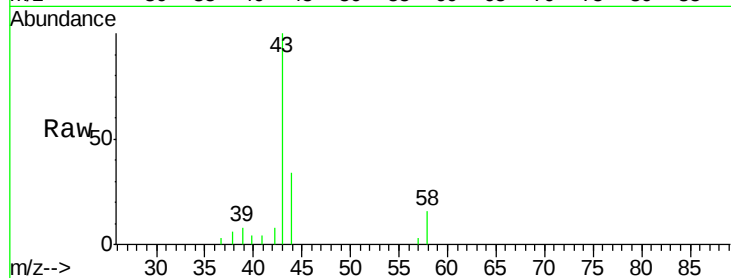
WP021SB470-27-29-180618

Tot Ion: 43 Resp: 43481

Ion Ratio Lower Upper

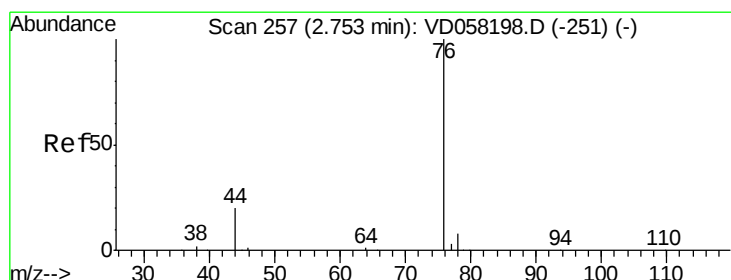
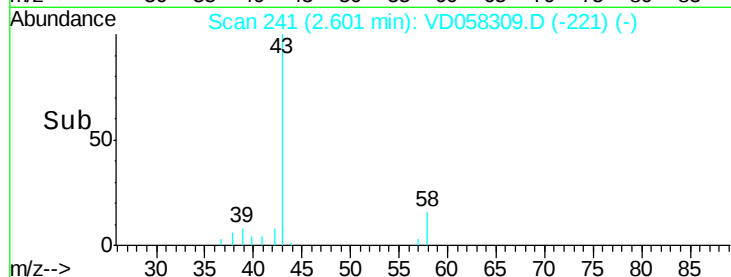
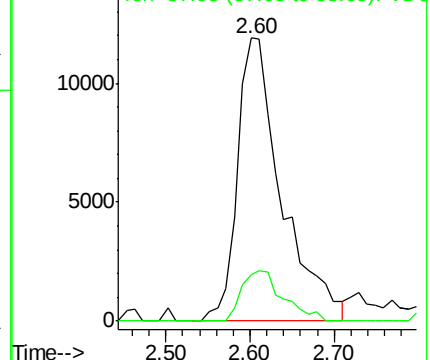
43 100

58 16.3 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 7.685 ug/l

RT: 2.76 min Scan# 257

Delta R.T. 0.01 min

Lab File: VD058309.D

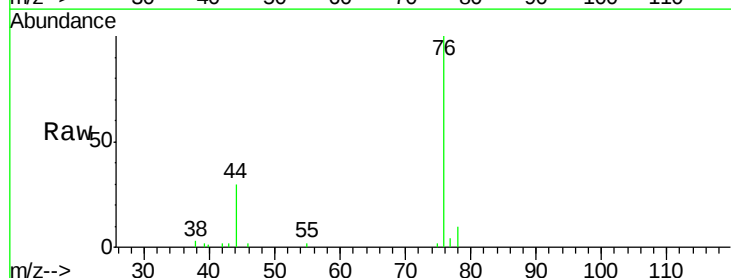
Acq: 22 Jun 2018 21:12

Tgt Ion: 76 Resp: 63503

Ion Ratio Lower Upper

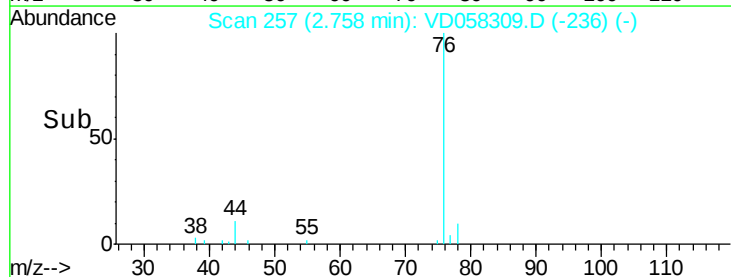
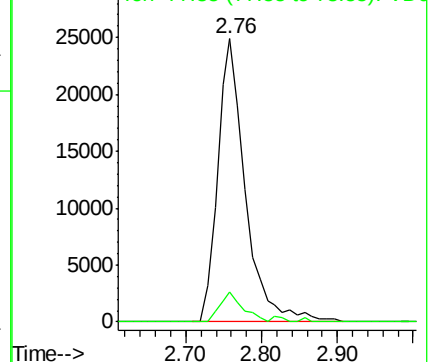
76 100

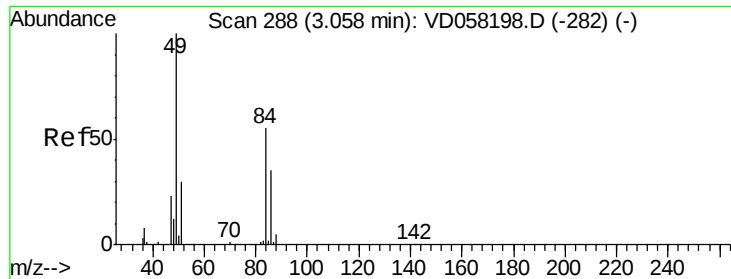
78 10.5 6.8 10.2#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

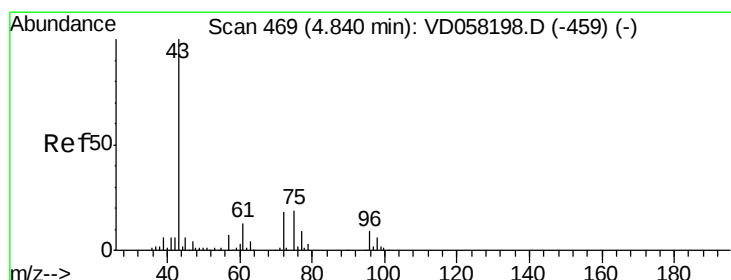
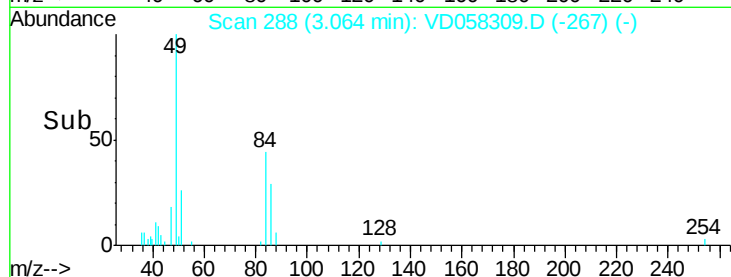
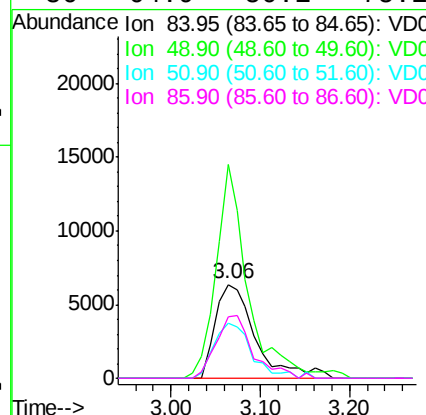
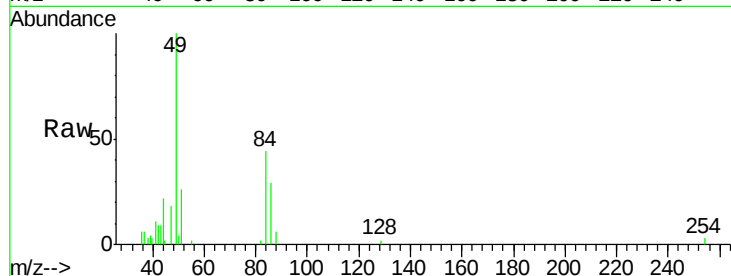




#20
Methvlene Chloride
Concen: 3.384 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

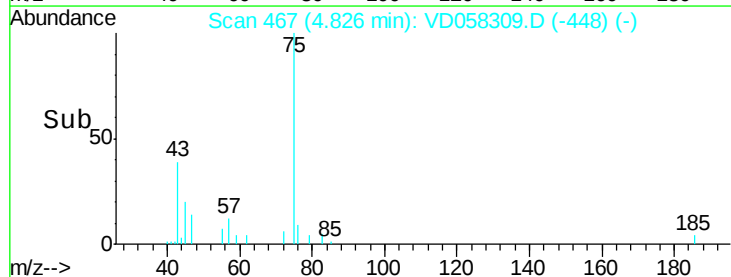
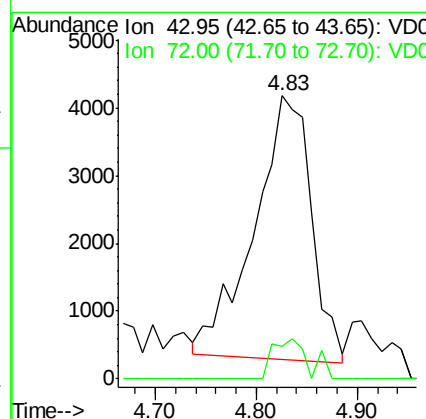
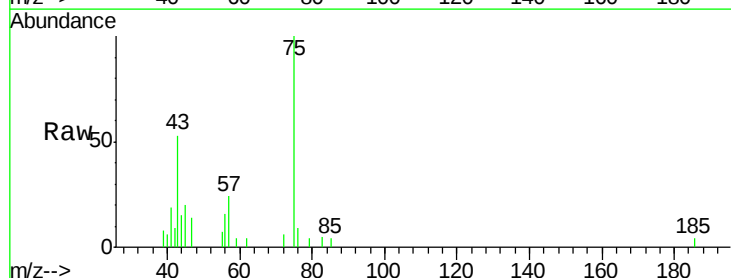
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ClientSampleId :
WP021SB470-27-29-180618

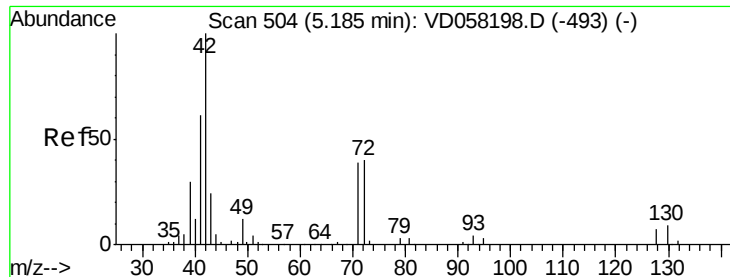
Tot Ion: 84 Resp: 19954
Ion Ratio Lower Upper
84 100
49 227.4 145.0 217.6#
51 59.2 42.9 64.3
86 64.9 50.1 75.1



#25
2-Butanone
Concen: 7.217 ug/l
RT: 4.83 min Scan# 467
Delta R.T. -0.01 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

Tgt Ion: 43 Resp: 15361
Ion Ratio Lower Upper
43 100
72 11.6 14.1 21.1#

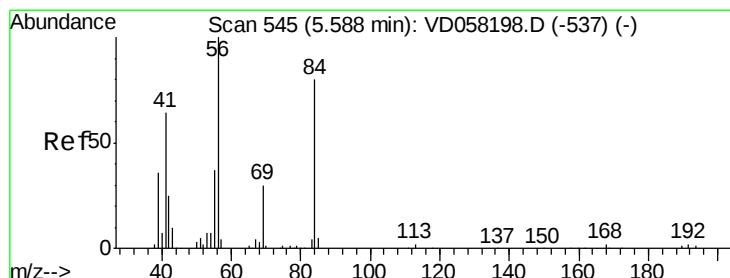
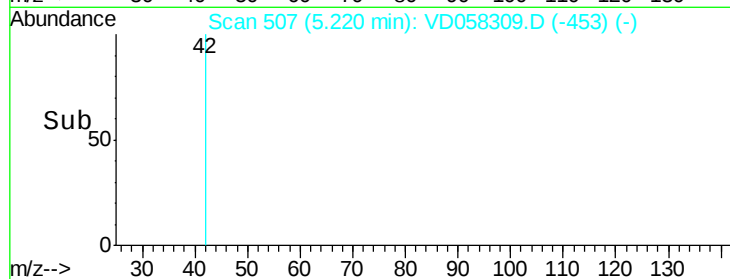
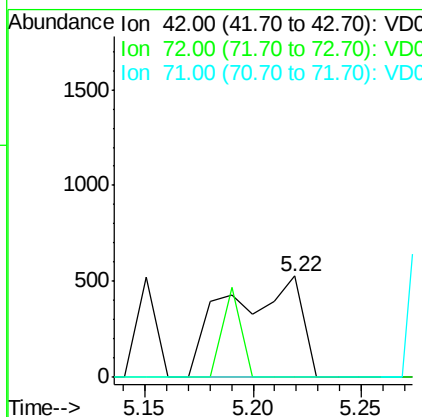
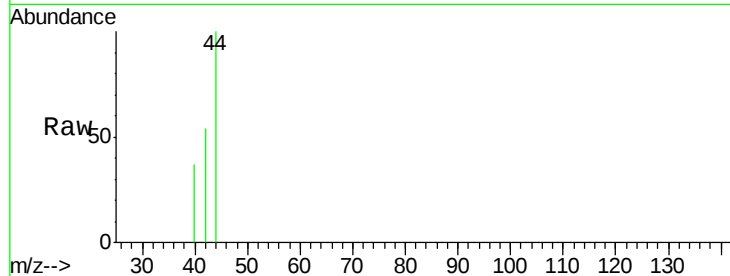




#29
Tetrahydrofuran
Concen: 1.085 ug/l
RT: 5.22 min Scan# 507
Delta R.T. 0.03 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

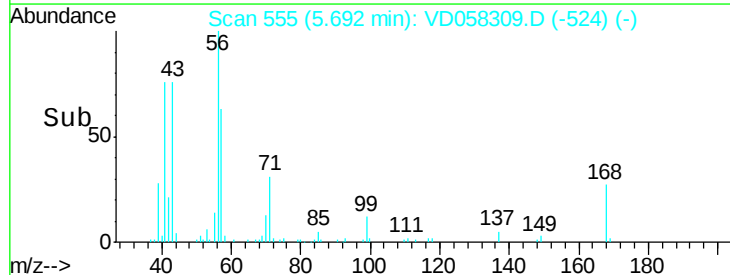
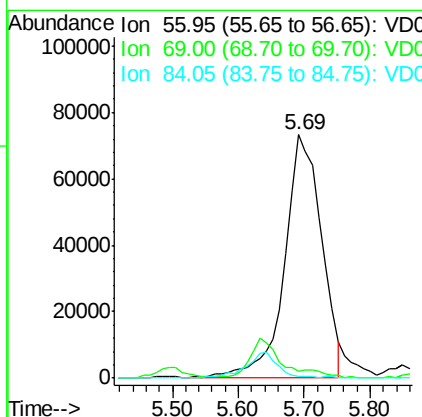
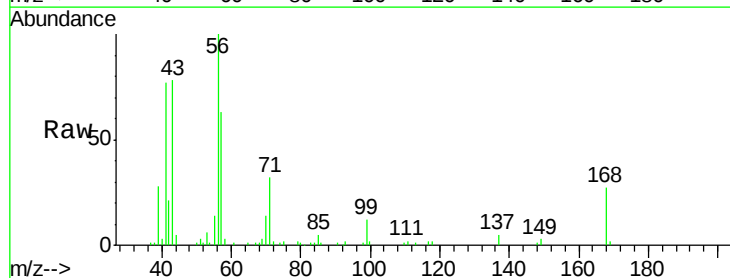
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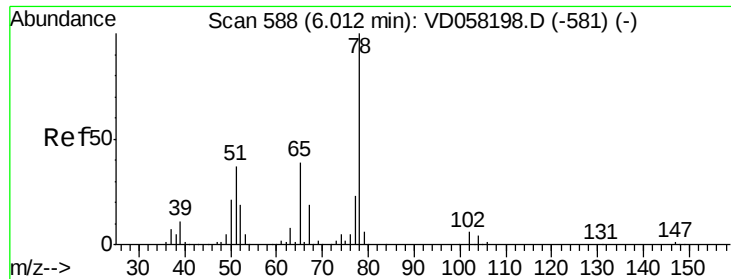
Tot Ion: 42 Resp: 1229
Ion Ratio Lower Upper
42 100
72 0.0 30.2 45.2#
71 0.0 30.1 45.1#



#31
Cyclohexane
Concen: 30.083 ug/l
RT: 5.69 min Scan# 555
Delta R.T. 0.10 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

Tgt Ion: 56 Resp: 282471
Ion Ratio Lower Upper
56 100
69 2.6 23.6 35.4#
84 0.8 65.2 97.8#

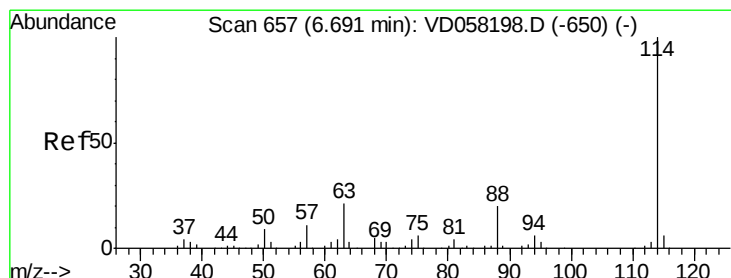
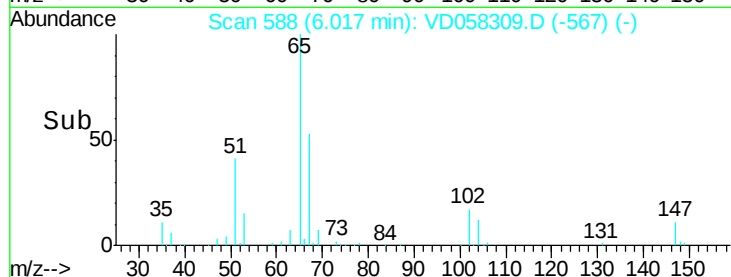
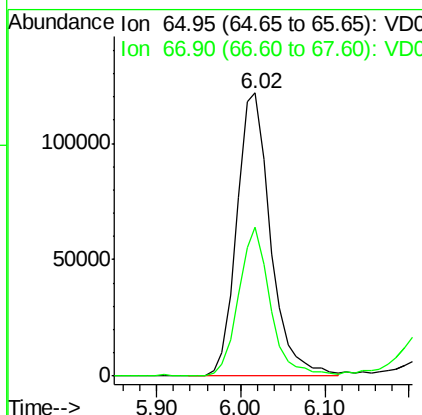
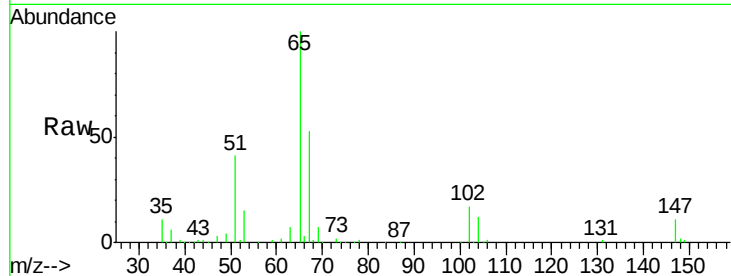




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD058309.D
 Acq: 22 Jun 2018 21:12

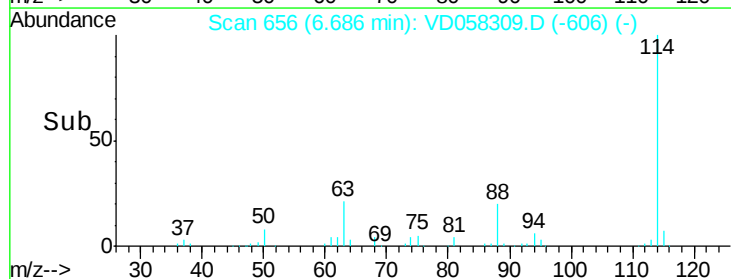
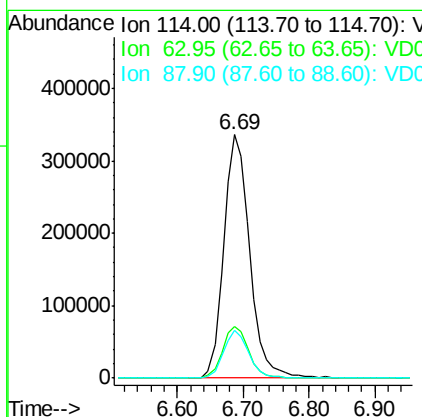
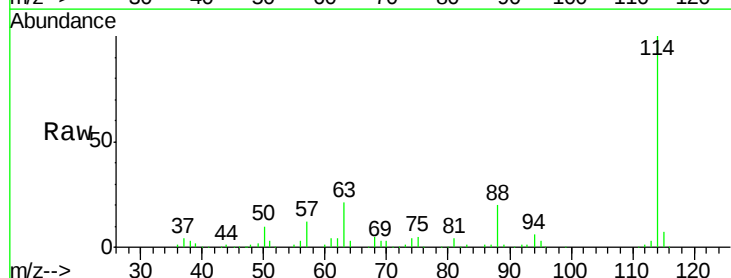
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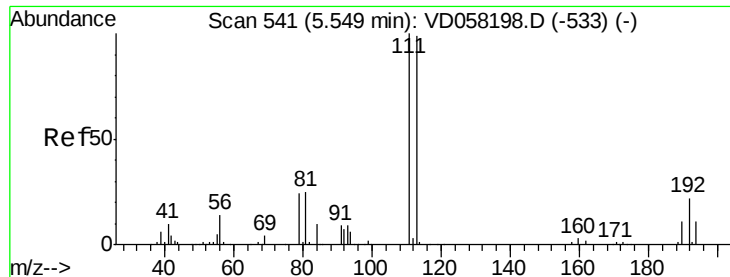
Tot Ion: 65 Resp: 340543
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD058309.D
 Acq: 22 Jun 2018 21:12

Tgt Ion: 114 Resp: 925014
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.6
 88 19.8 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.00 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-27-29-180618

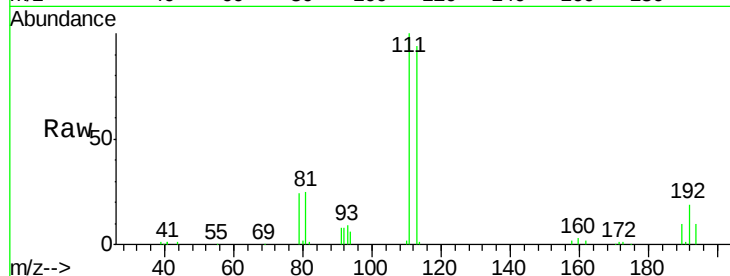
Tot Ion:113 Resp: 361678

Ion Ratio Lower Upper

113 100

111 106.1 80.6 121.0

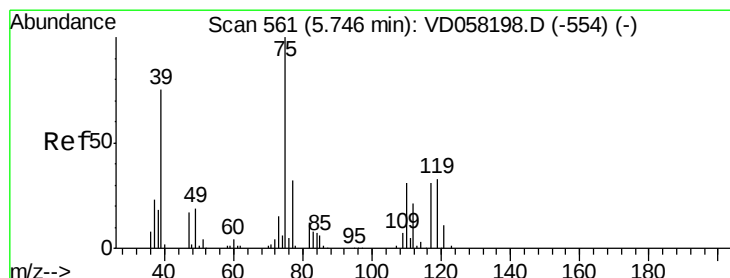
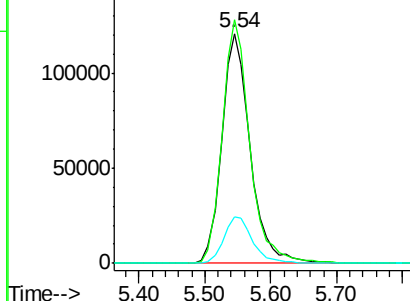
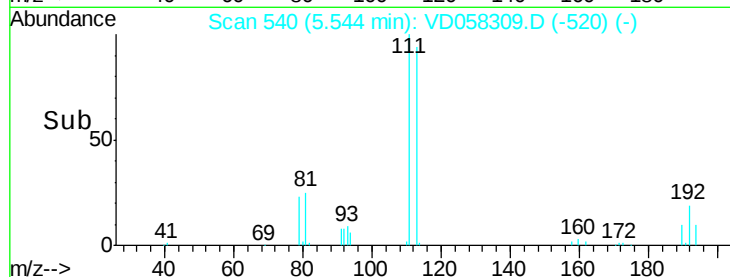
192 20.4 17.8 26.6



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: 6.480 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.11 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

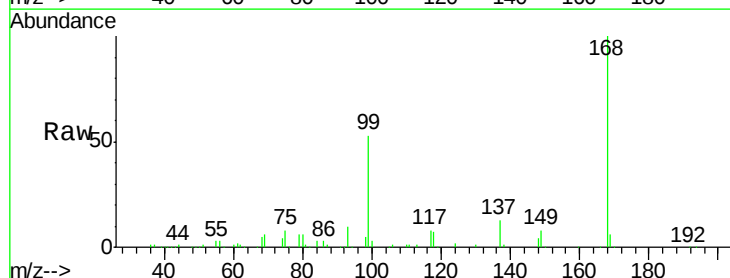
Tgt Ion: 75 Resp: 59301

Ion Ratio Lower Upper

75 100

110 7.9 15.4 46.4#

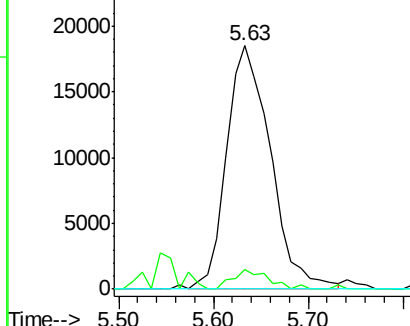
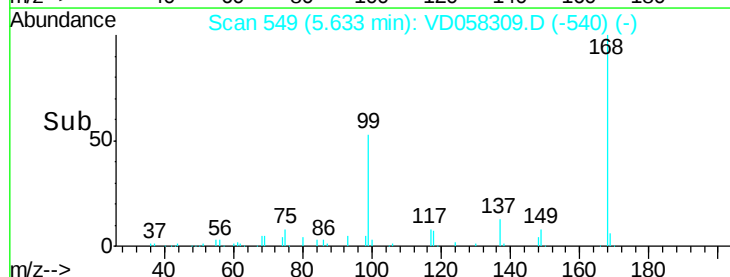
77 0.0 25.4 38.2#

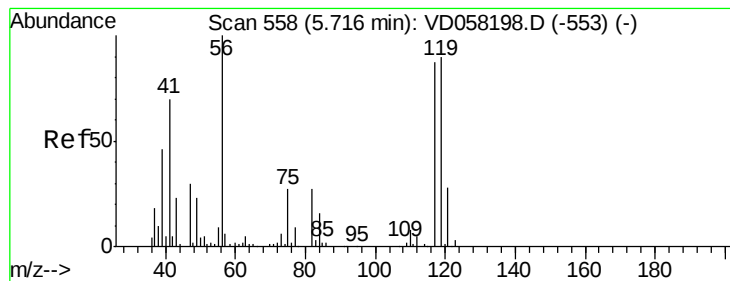


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.112 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.07 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-27-29-180618

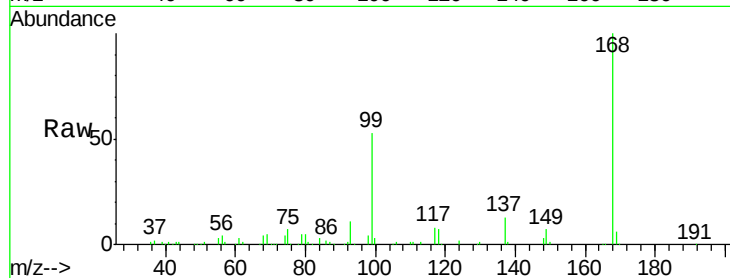
Tot Ion:117 Resp: 55576

Ion Ratio Lower Upper

117 100

119 3.1 78.8 118.2#

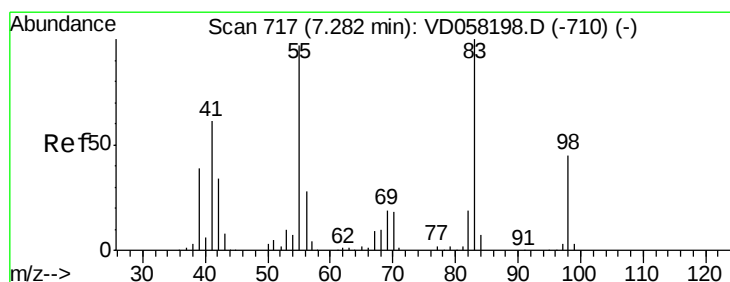
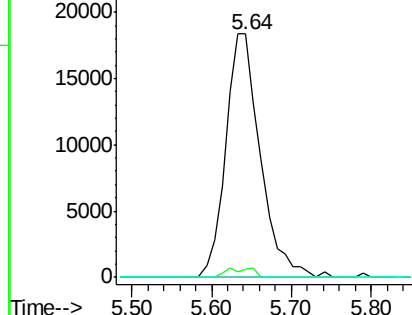
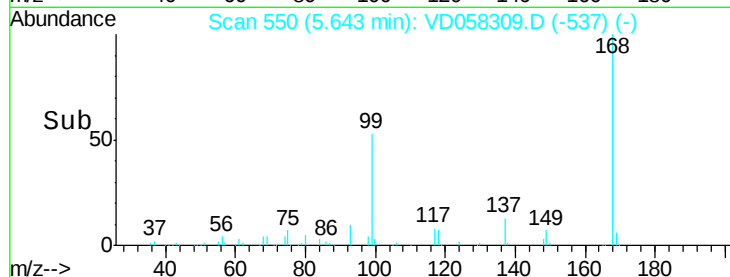
121 0.0 25.0 37.6#



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: 40.541 ug/l

RT: 7.29 min Scan# 717

Delta R.T. 0.01 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

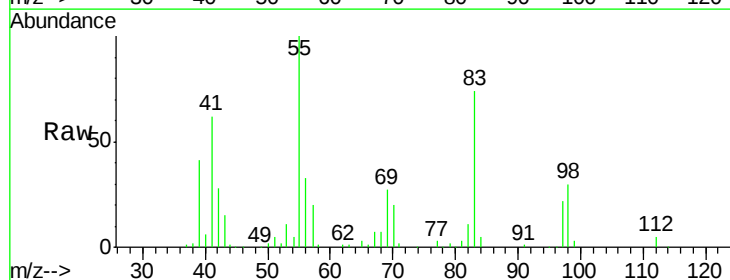
Tgt Ion: 83 Resp: 361340

Ion Ratio Lower Upper

83 100

55 134.9 77.4 116.2#

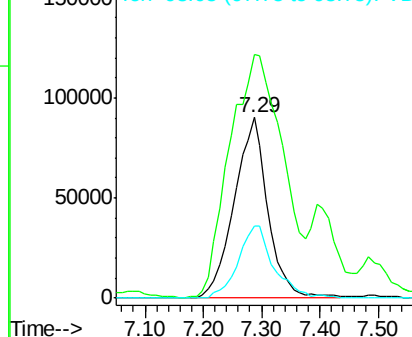
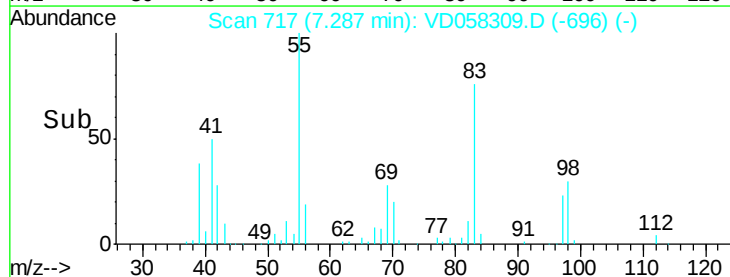
98 40.0 35.9 53.9

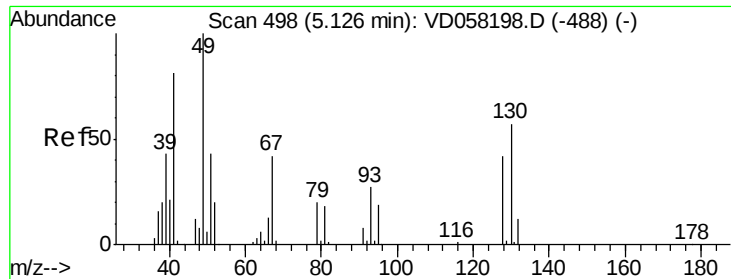


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC

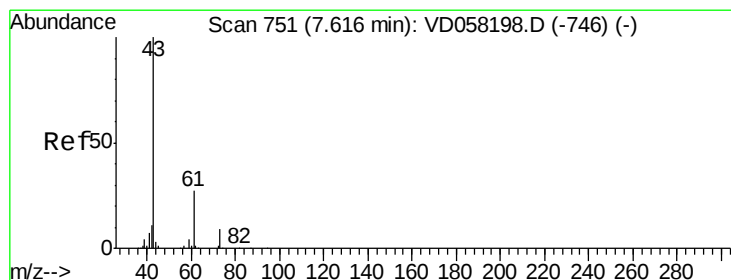
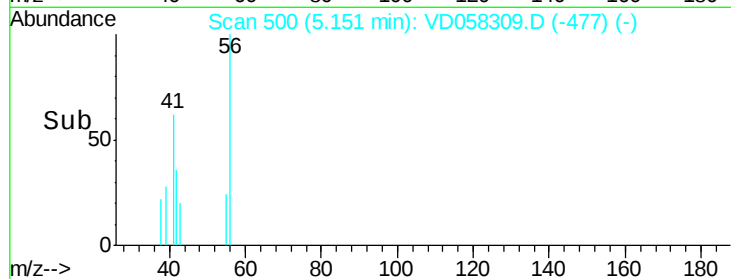
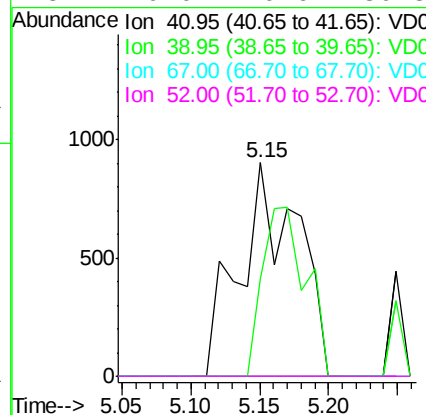
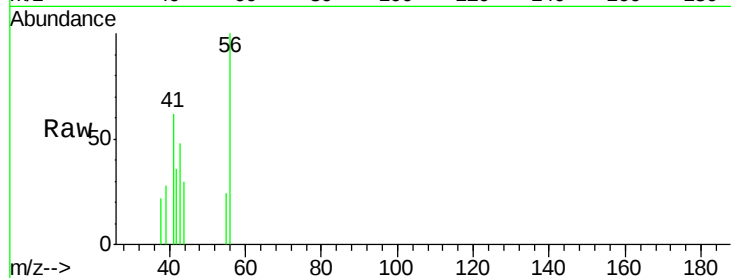




#41
Methacrylonitrile
Concen: 1.045 ug/l
RT: 5.15 min Scan# 500
Delta R.T. 0.02 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

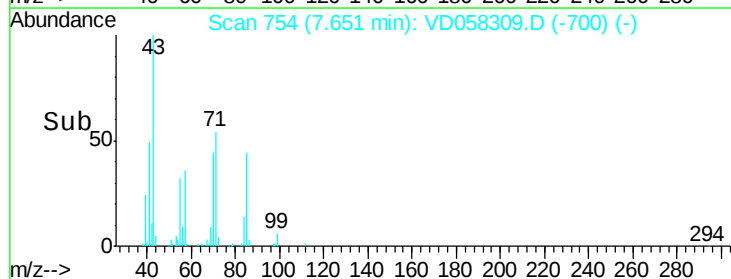
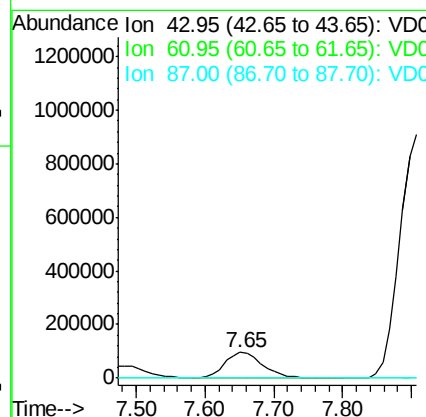
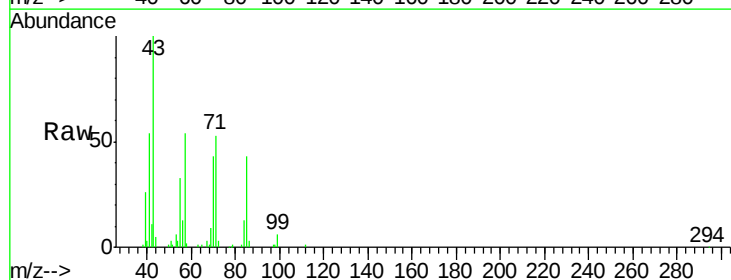
Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-27-29-180618

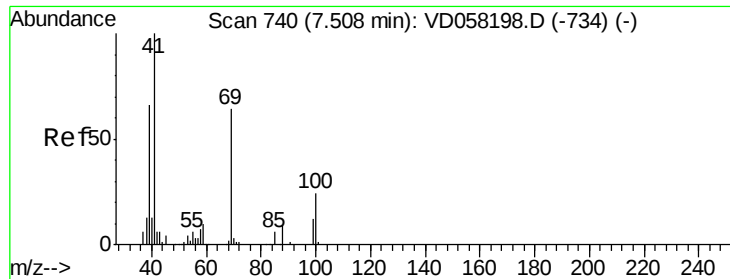
Tot Ion	Ratio	Lower	Upper
41	100		
39	45.6	43.4	65.2
67	0.0	41.7	62.5#
52	0.0	20.6	30.8#



#43
Isopropyl Acetate
Concen: 51.719 ug/l
RT: 7.65 min Scan# 754
Delta R.T. 0.03 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.8	32.6#
87	0.0	0.3	0.5#

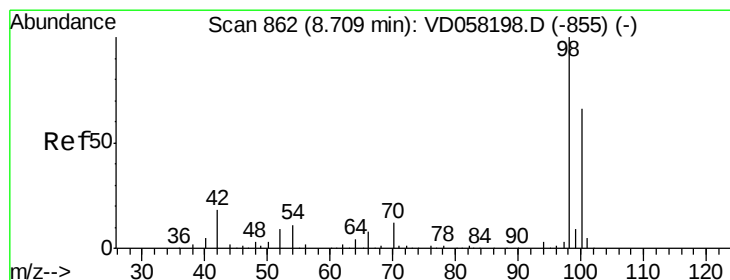
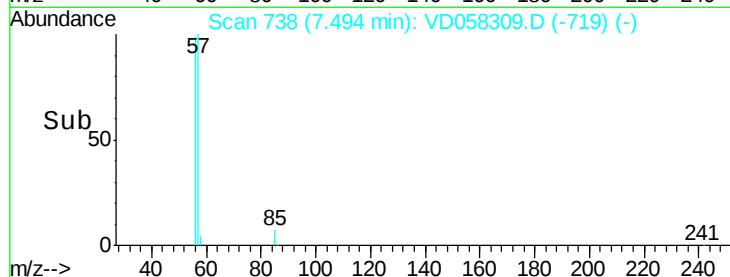
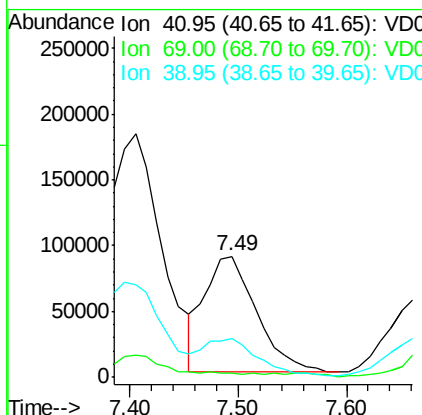
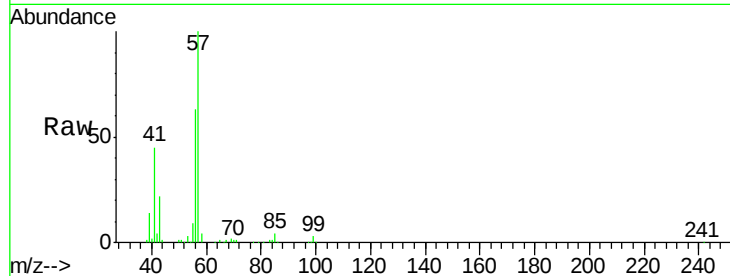




#48
Methvl methacrvlate
Concen: 69.449 ug/l
RT: 7.49 min Scan# 738
Delta R.T. -0.01 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

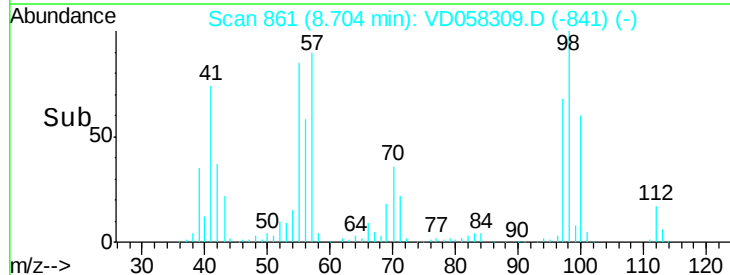
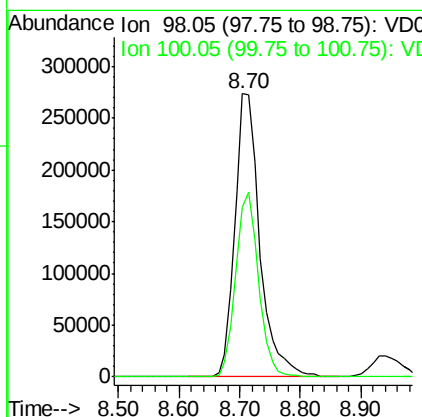
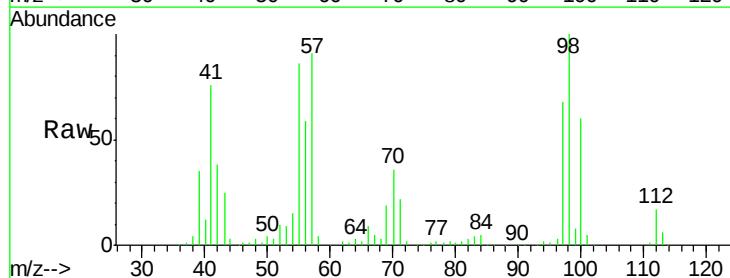
Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-27-29-180618

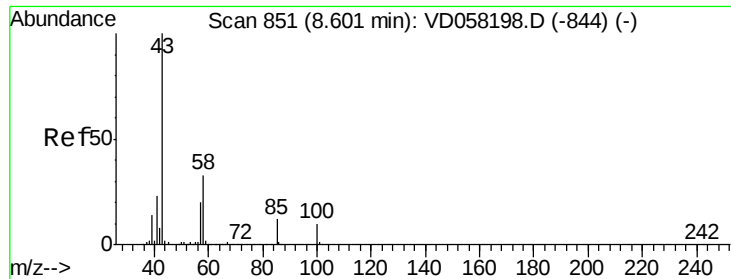
Tot Ion: 41 Resp: 293399
Ion Ratio Lower Upper
41 100
69 3.7 50.7 76.1#
39 31.6 52.6 78.8#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.00 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

Tgt Ion: 98 Resp: 786366
Ion Ratio Lower Upper
98 100
100 59.7 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 175.666 ug/l

RT: 8.67 min Scan# 857

Delta R.T. 0.06 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

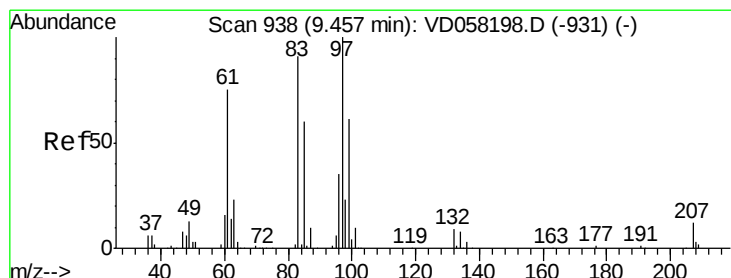
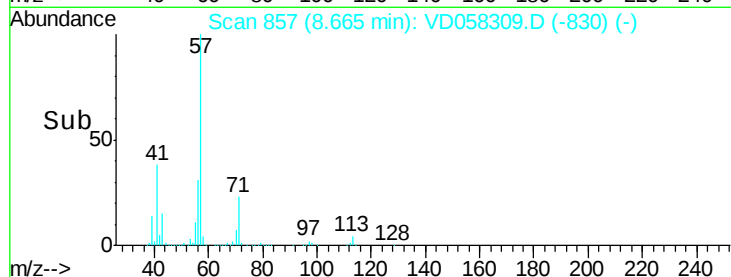
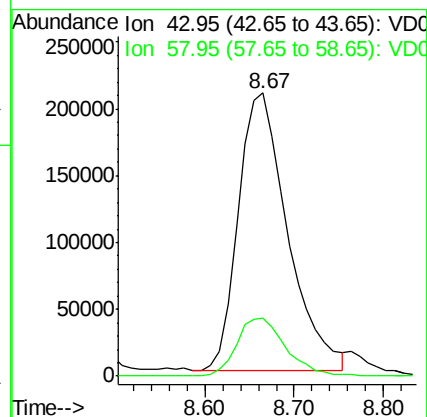
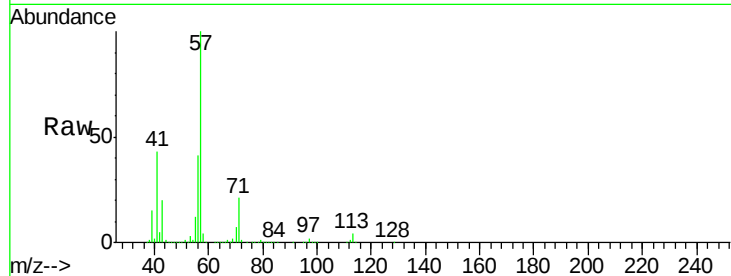
WP021SB470-27-29-180618

Tot Ion: 43 Resp: 796465

Ion Ratio Lower Upper

43 100

58 20.3 26.7 40.1#



#55

1,1,2-Trichloroethane

Concen: 217.567 ug/l

RT: 9.37 min Scan# 929

Delta R.T. -0.08 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Tgt Ion: 97 Resp: 955430

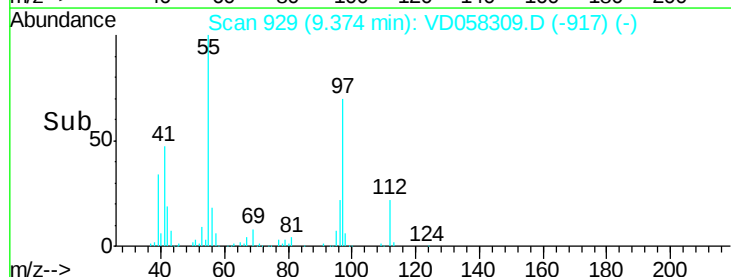
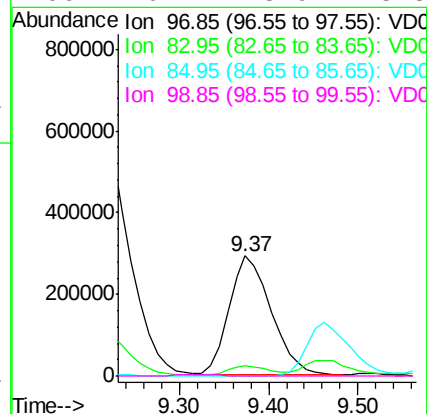
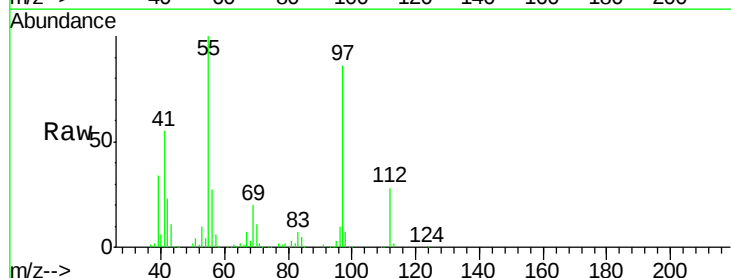
Ion Ratio Lower Upper

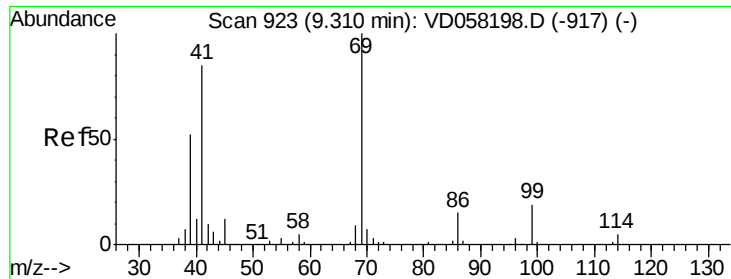
97 100

83 8.5 72.9 109.3#

85 0.4 48.2 72.4#

99 0.4 48.9 73.3#





#56

Ethyl methacrylate

Concen: 41.676 ug/l

RT: 9.37 min Scan# 929

Delta R.T. 0.06 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-27-29-180618

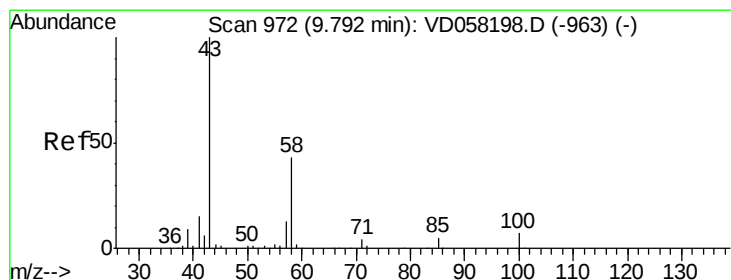
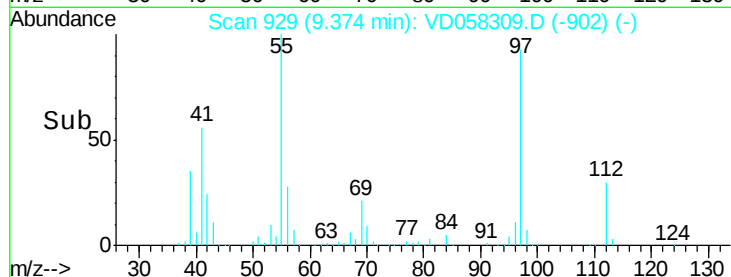
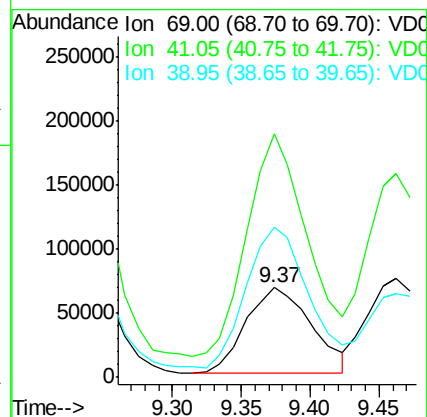
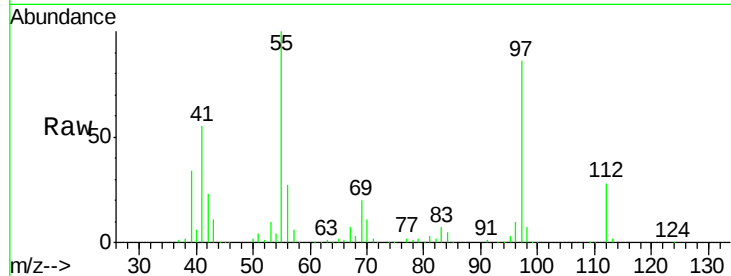
Tot Ion: 69 Resp: 218879

Ion Ratio Lower Upper

69 100

41 271.5 67.6 101.4#

39 167.8 42.2 63.2#



#59

2-Hexanone

Concen: 1676.963 ug/l

RT: 9.76 min Scan# 968

Delta R.T. -0.03 min

Lab File: VD058309.D

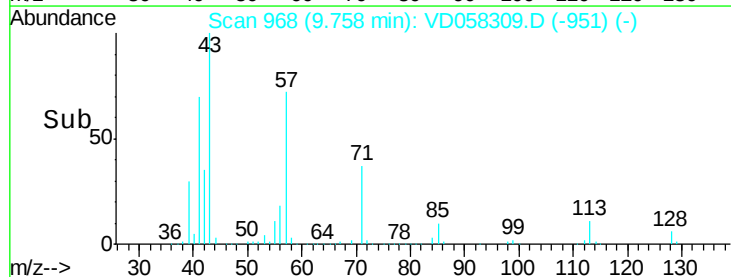
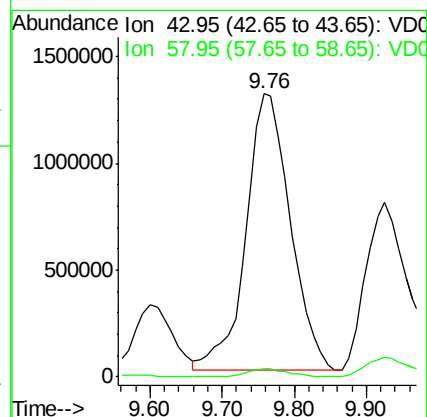
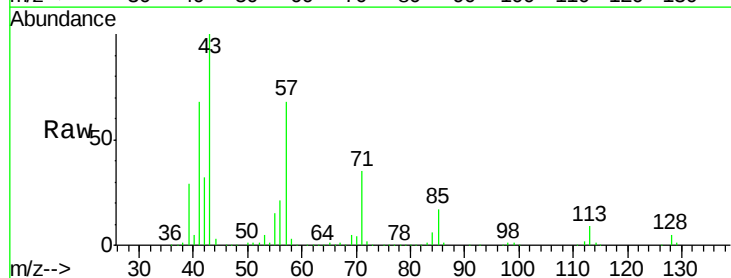
Acq: 22 Jun 2018 21:12

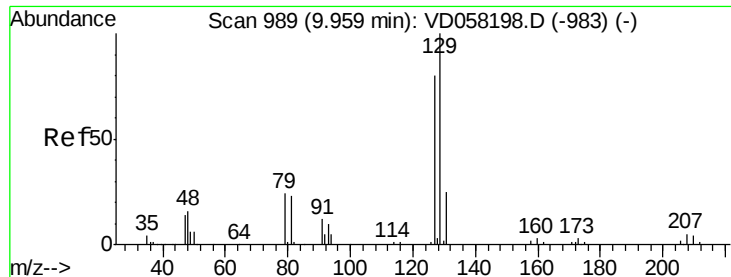
Tgt Ion: 43 Resp: 5493994

Ion Ratio Lower Upper

43 100

58 2.9 21.7 65.1#

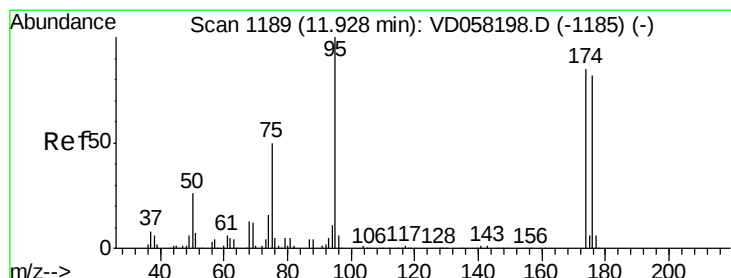
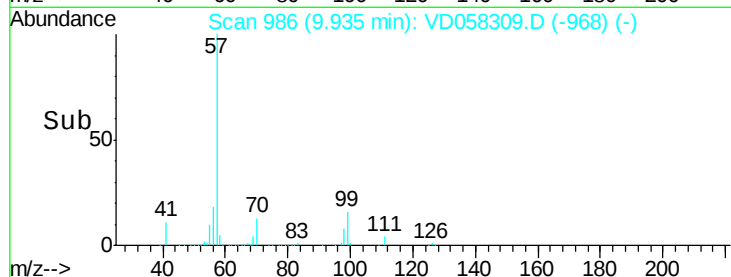
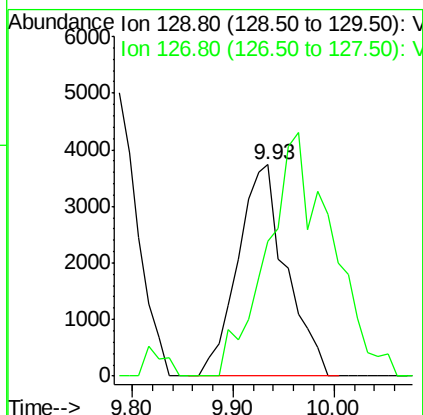
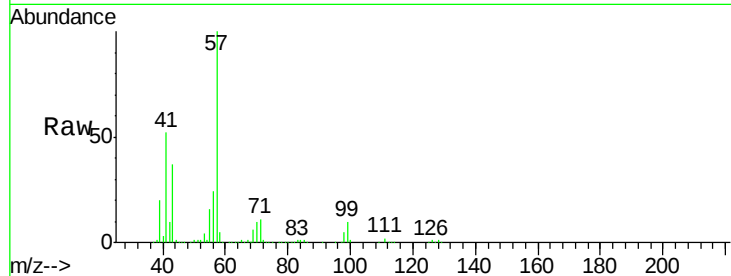




#60
 Dibromochloromethane
 Concen: 2.096 ug/l
 RT: 9.93 min Scan# 986
 Delta R.T. -0.02 min
 Lab File: VD058309.D
 Acq: 22 Jun 2018 21:12

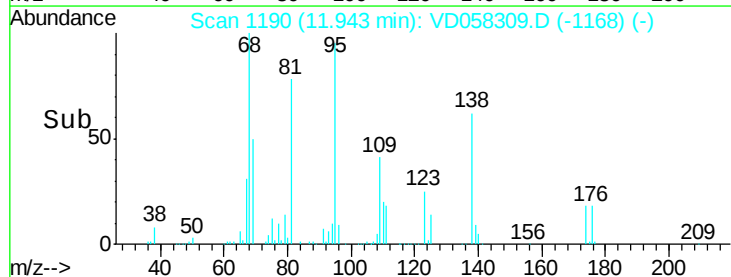
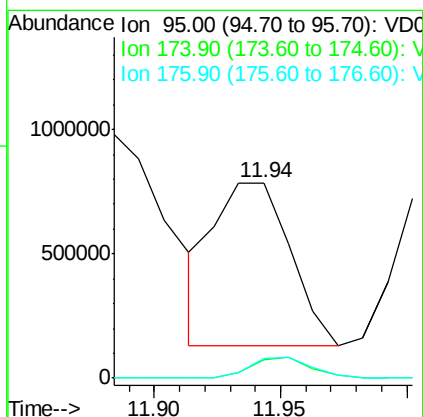
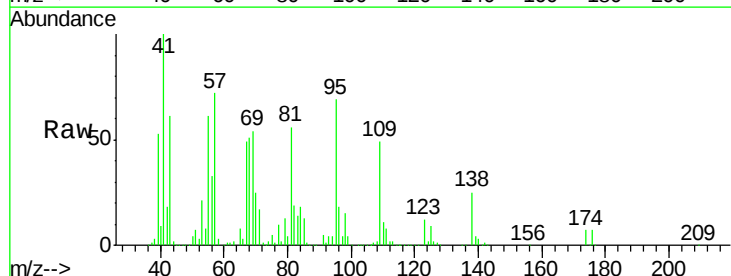
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-27-29-180618

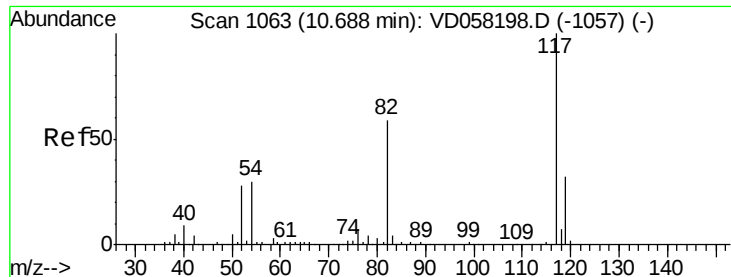
Tot Ion:129 Resp: 12493
 Ion Ratio Lower Upper
 129 100
 127 64.1 39.8 119.4



#62
 4-Bromofluorobenzene
 Concen: Below ug/l
 RT: 11.94 min Scan# 1190
 Delta R.T. 0.02 min
 Lab File: VD058309.D
 Acq: 22 Jun 2018 21:12

Tgt Ion: 95 Resp: 1382831
 Ion Ratio Lower Upper
 95 100
 174 9.5 0.0 170.2
 176 9.9 0.0 164.6

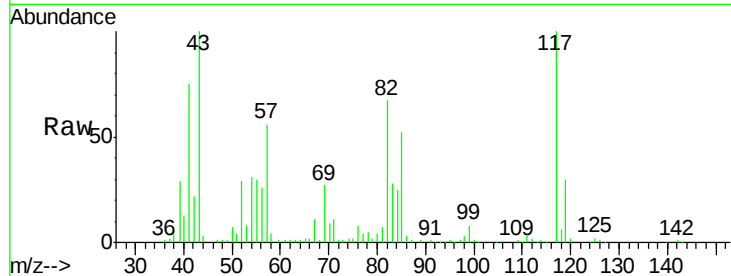




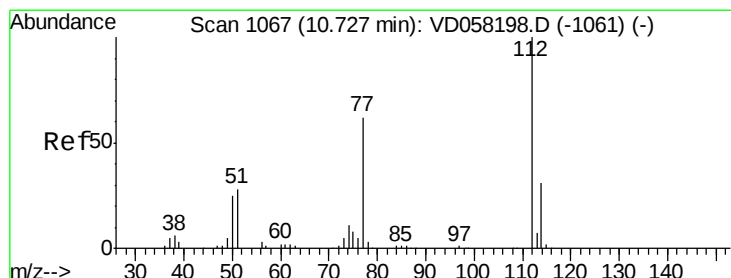
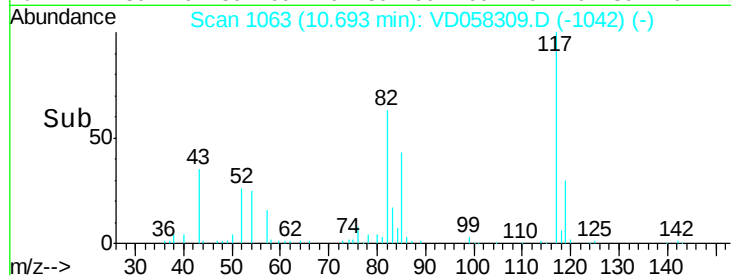
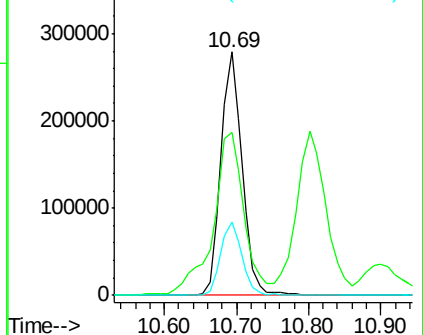
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-27-29-180618

Tot Ion:117 Resp: 566391
Ion Ratio Lower Upper
117 100
82 67.0 47.0 70.6
119 30.0 25.3 37.9

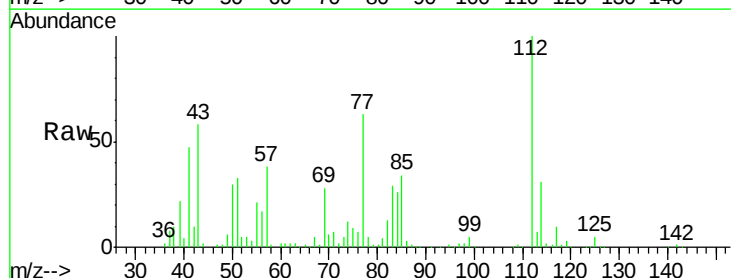


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

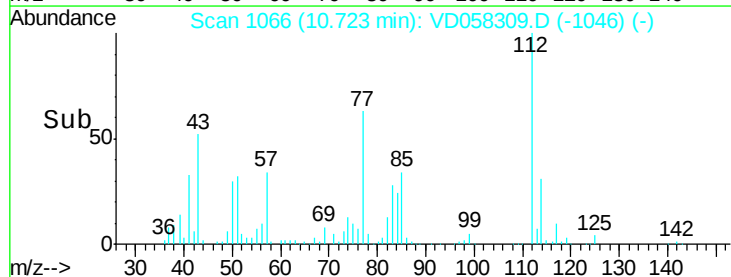
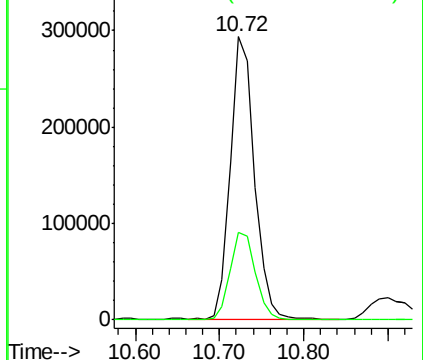


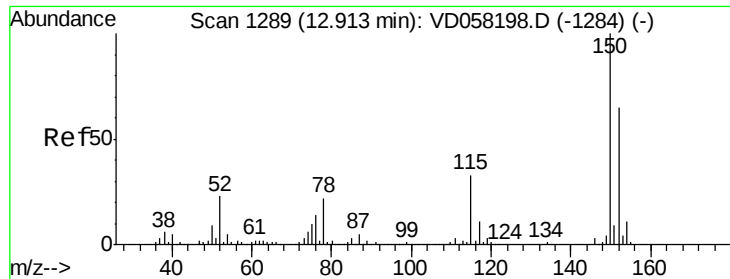
#65
Chlorobenzene
Concen: 55.194 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

Tgt Ion:112 Resp: 584762
Ion Ratio Lower Upper
112 100
114 30.8 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V



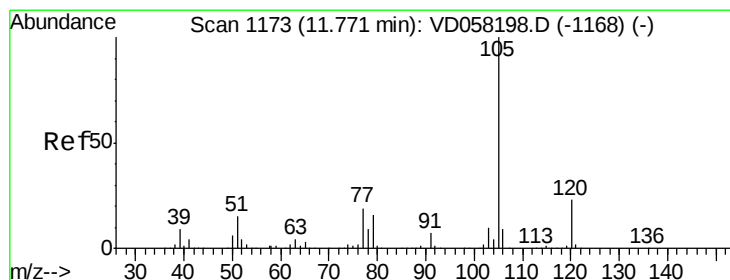
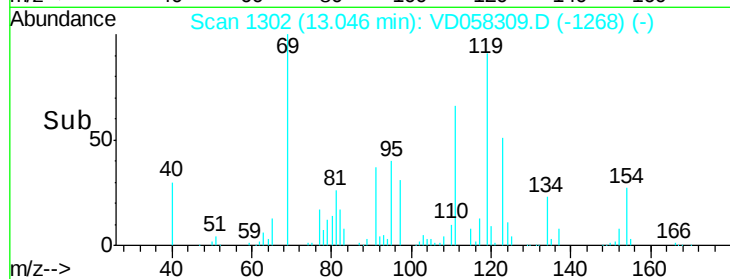
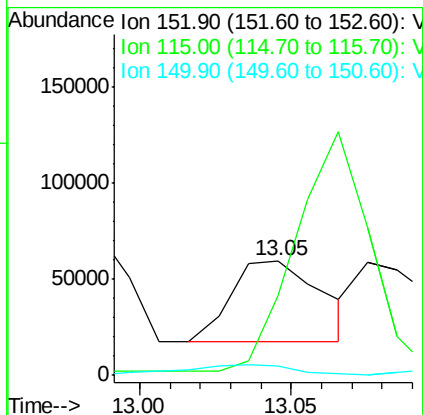
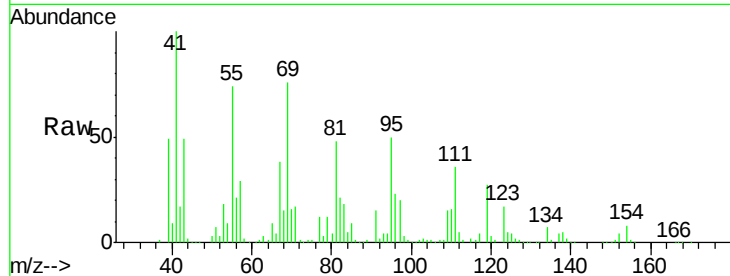


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.05 min Scan# 1302
Delta R.T. 0.13 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-27-29-180618

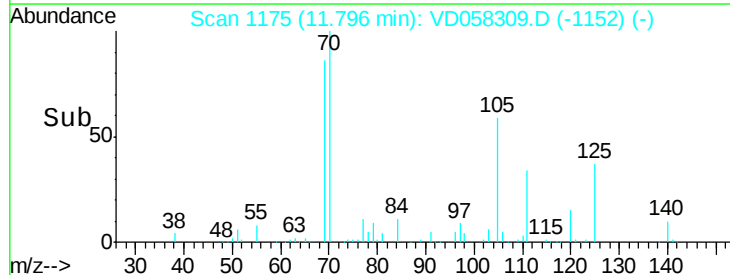
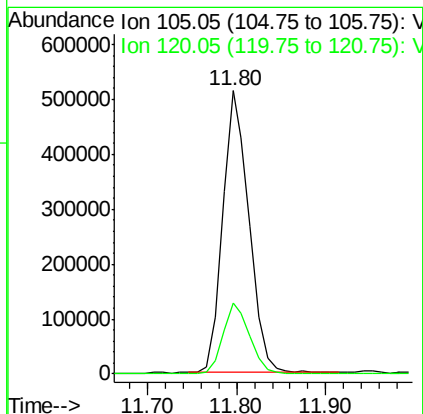
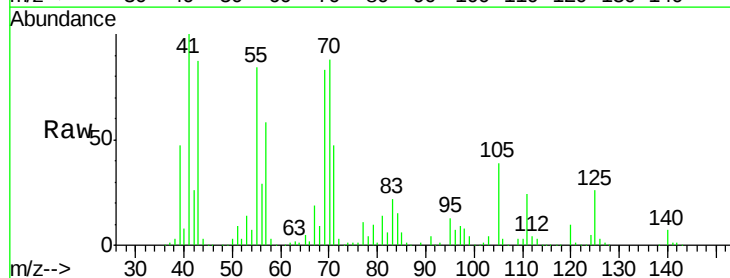
Tot Ion:152 Resp: 88193
Ion Ratio Lower Upper
152 100
115 68.9 25.1 75.3
150 8.1 0.0 308.8

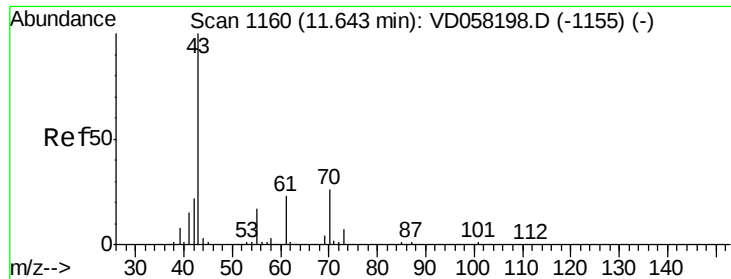


#73

Isopropylbenzene
Concen: 201.371 ug/l
RT: 11.80 min Scan# 1175
Delta R.T. 0.02 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

Tgt Ion:105 Resp: 1062280
Ion Ratio Lower Upper
105 100
120 24.9 11.6 34.8





#74

N-amvl acetate

Concen: 3300.616 ug/l

RT: 11.57 min Scan# 1152

Delta R.T. -0.07 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

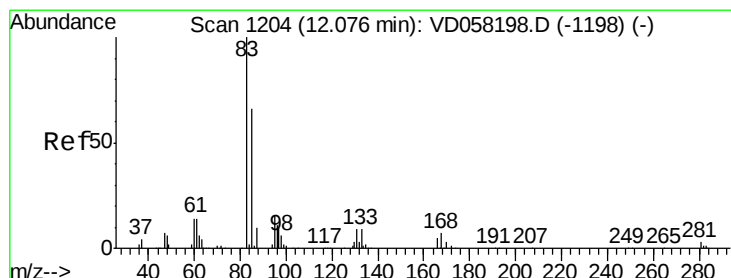
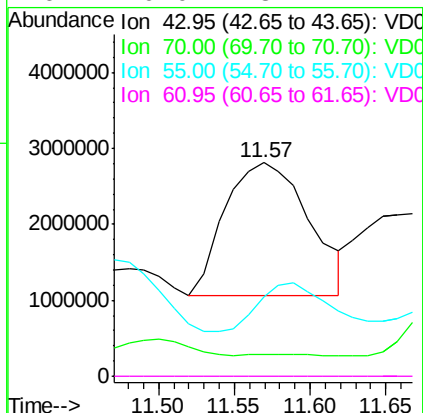
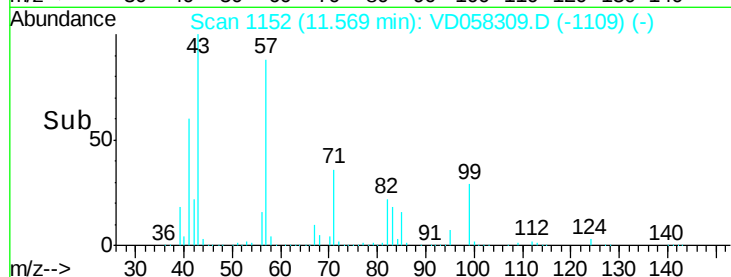
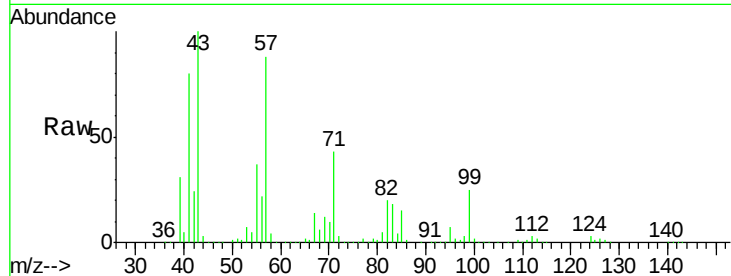
ClientSampleId :

WP021SB470-27-29-180618

Tot Ion: 43 Resp: 6732279

Ion	Ratio	Lower	Upper
43	100		
70	10.4	20.9	31.3#
55	37.2	13.5	20.3#
61	0.0	18.2	27.2#

43	100		
70	10.4	20.9	31.3#
55	37.2	13.5	20.3#
61	0.0	18.2	27.2#



#75

1,1,2,2-Tetrachloroethane

Concen: 994.579 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.04 min

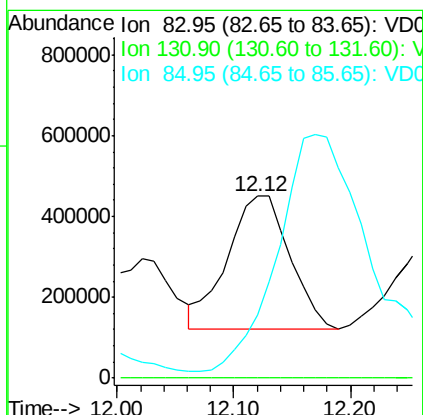
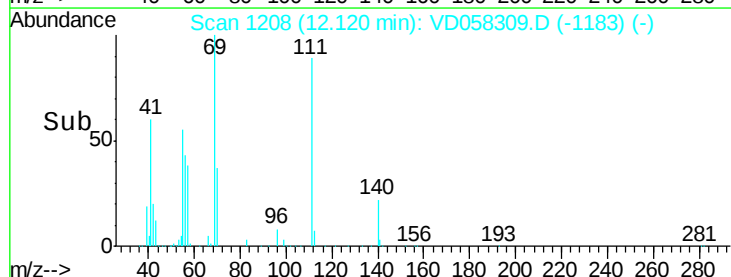
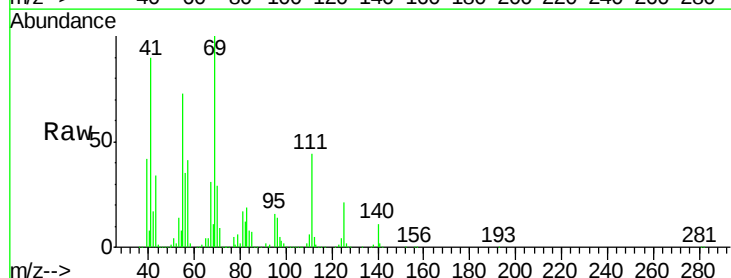
Lab File: VD058309.D

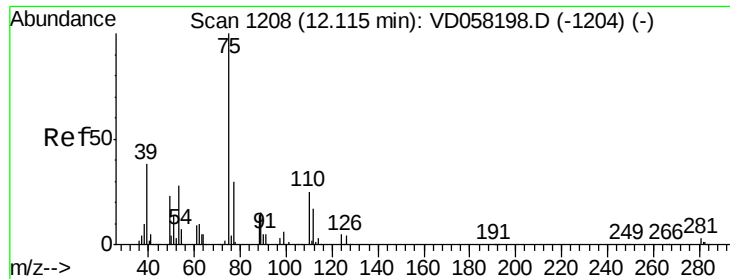
Acq: 22 Jun 2018 21:12

Tgt Ion: 83 Resp: 1220958

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	34.6	33.1	99.5

83	100		
131	0.0	4.8	14.3#
85	34.6	33.1	99.5

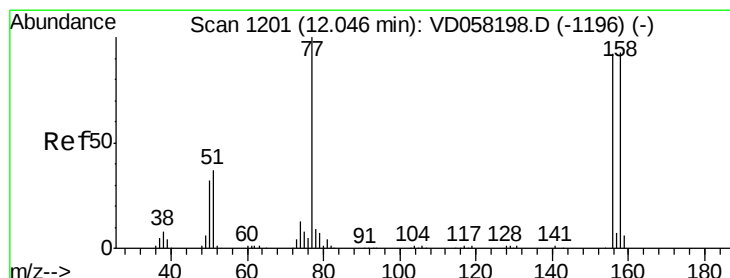
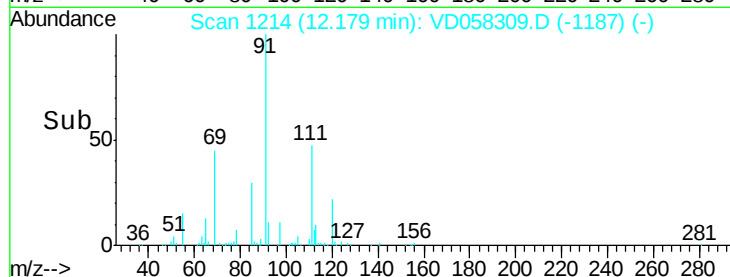
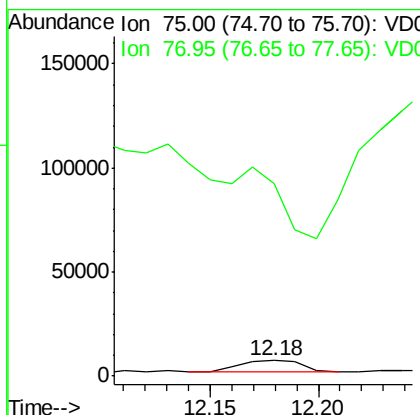
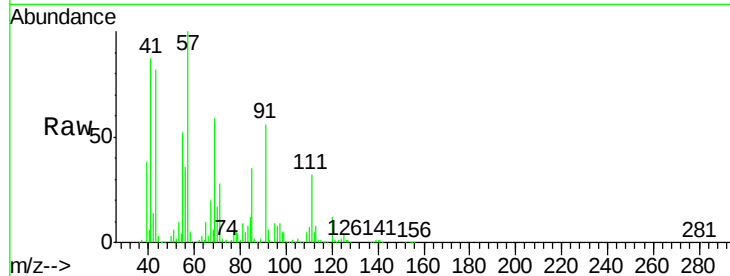




#76
 1,2,3-Trichloropropane
 Concen: 8.596 ug/l
 RT: 12.18 min Scan# 1214
 Delta R.T. 0.06 min
 Lab File: VD058309.D
 Acq: 22 Jun 2018 21:12

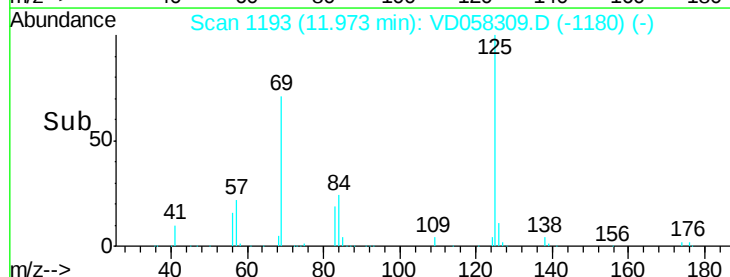
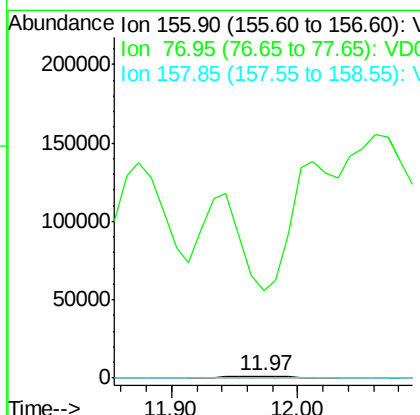
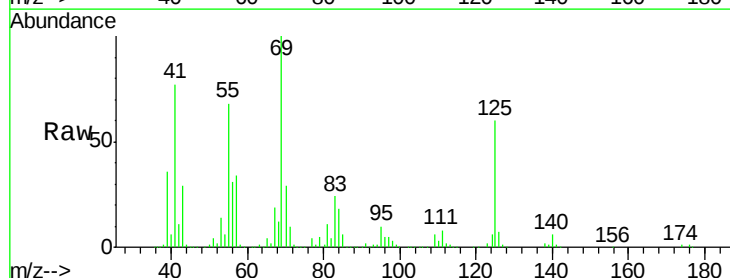
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-27-29-180618

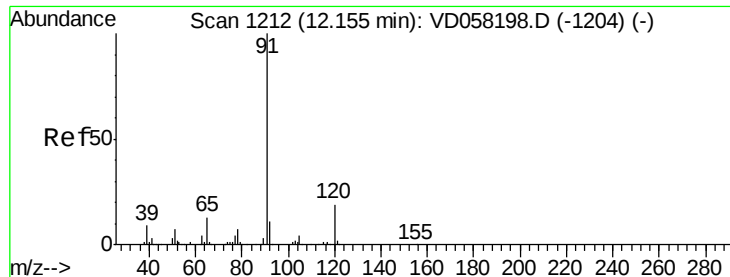
Tot Ion: 75 Resp: 11069
 Ion Ratio Lower Upper
 75 100
 77 1238.3 16.0 47.9#



#77
 Bromobenzene
 Concen: 2.561 ug/l
 RT: 11.97 min Scan# 1193
 Delta R.T. -0.07 min
 Lab File: VD058309.D
 Acq: 22 Jun 2018 21:12

Tgt Ion:156 Resp: 4045
 Ion Ratio Lower Upper
 156 100
 77 4840.0 54.5 163.6#
 158 0.0 50.8 152.5#





#78

n-propylbenzene

Concen: 275.892 ug/l

RT: 12.18 min Scan# 1214

Delta R.T. 0.02 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

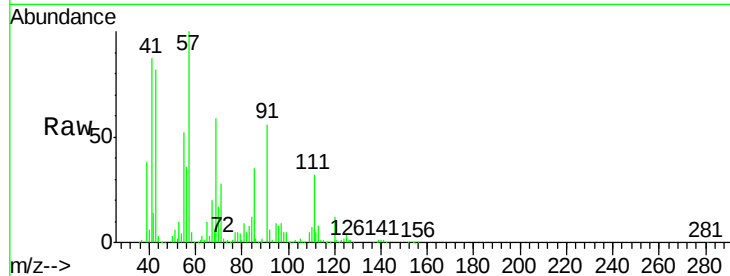
WP021SB470-27-29-180618

Tot Ion: 91 Resp: 1879488

Ion Ratio Lower Upper

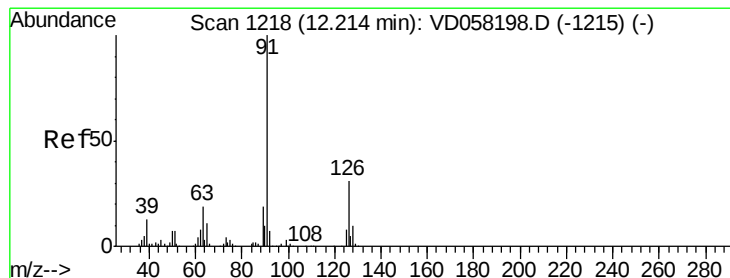
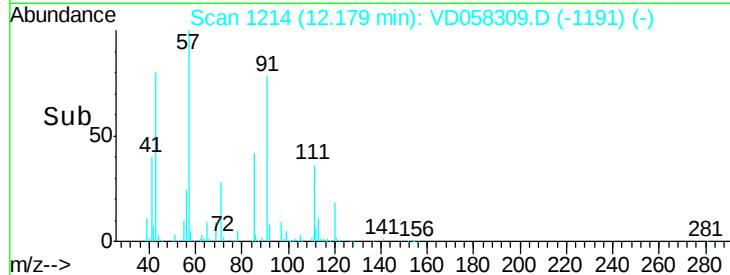
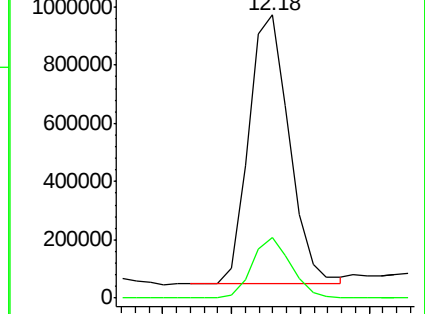
91 100

120 21.5 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 493.061 ug/l

RT: 12.18 min Scan# 1214

Delta R.T. -0.03 min

Lab File: VD058309.D

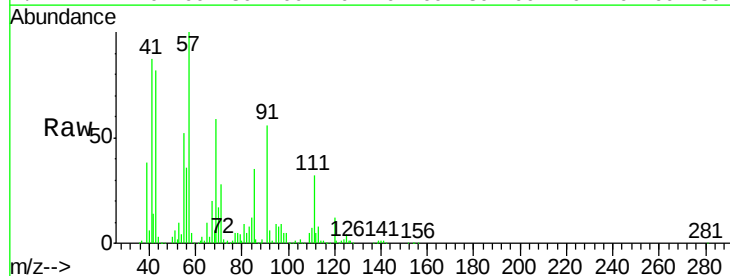
Acq: 22 Jun 2018 21:12

Tgt Ion: 91 Resp: 1922108

Ion Ratio Lower Upper

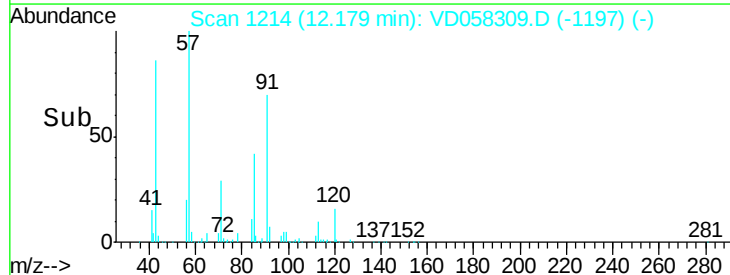
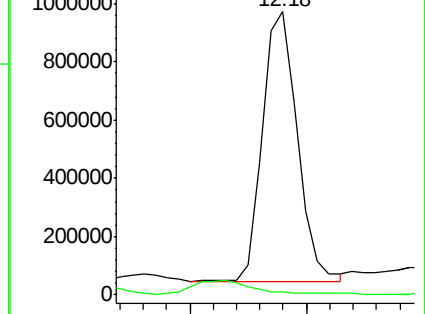
91 100

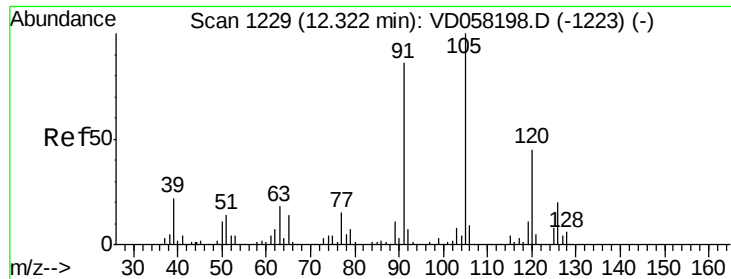
126 1.0 14.9 44.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

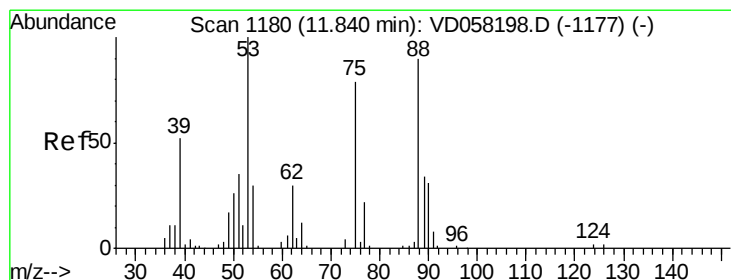
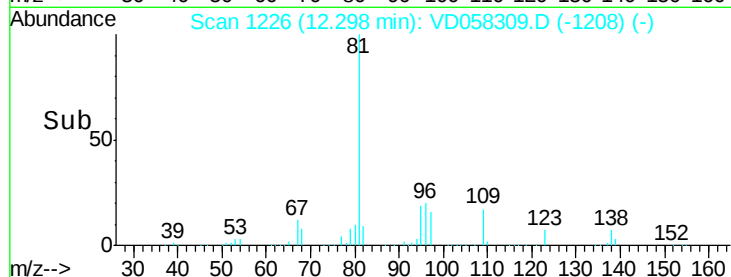
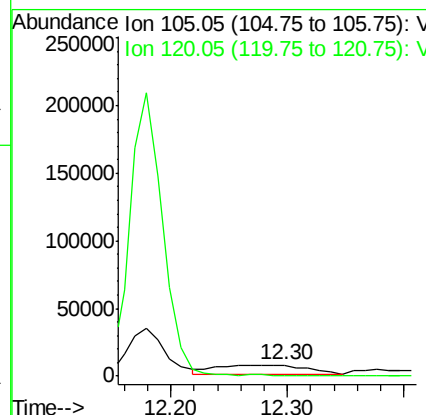
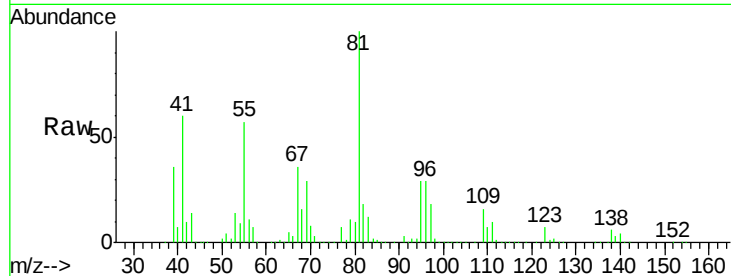




#80
 1,3,5-Trimethylbenzene
 Concen: 8.168 ug/l
 RT: 12.30 min Scan# 1226
 Delta R.T. -0.02 min
 Lab File: VD058309.D
 Acq: 22 Jun 2018 21:12

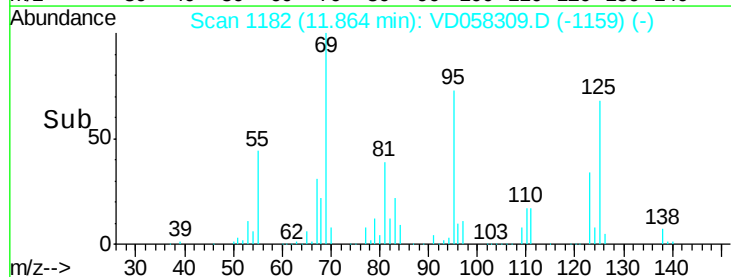
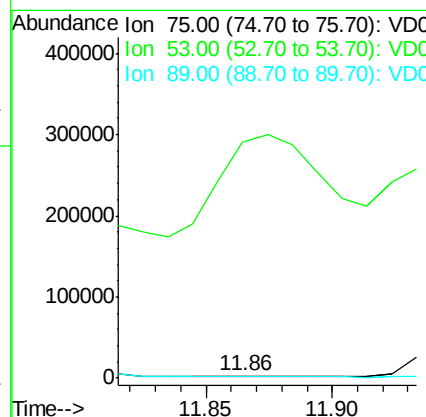
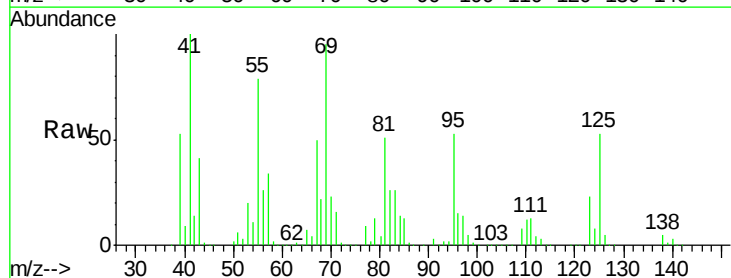
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-27-29-180618

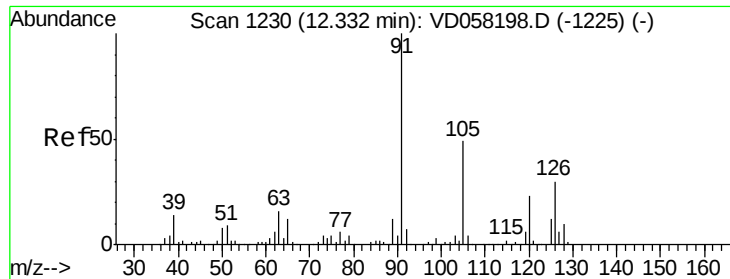
Tot Ion:105 Resp: 33609
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.5 67.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 10.645 ug/l
 RT: 11.86 min Scan# 1182
 Delta R.T. 0.02 min
 Lab File: VD058309.D
 Acq: 22 Jun 2018 21:12

Tgt Ion: 75 Resp: 3343
 Ion Ratio Lower Upper
 75 100
 53 10327.9 100.8 151.2#
 89 89.8 34.6 52.0#

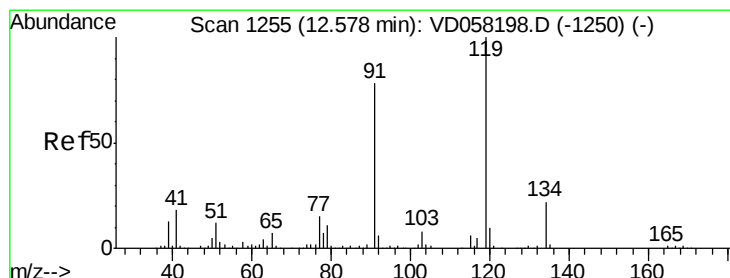
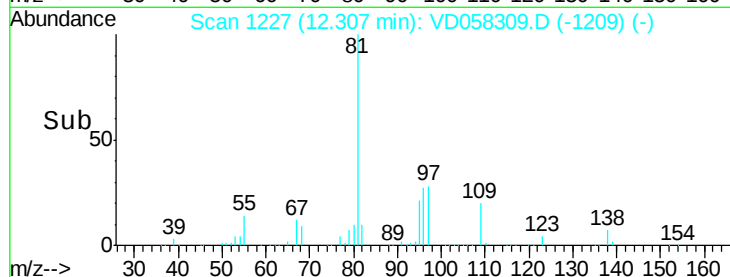
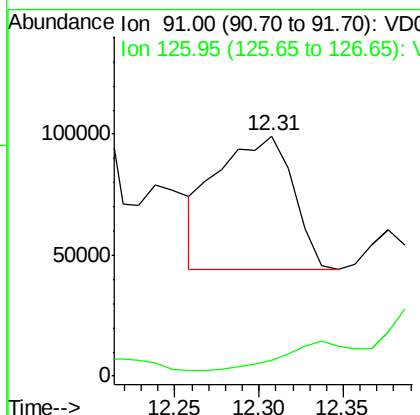
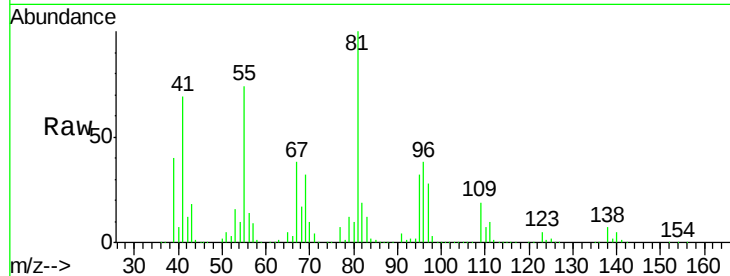




#82
4-Chlorotoluene
Concen: 44.887 ug/l
RT: 12.31 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

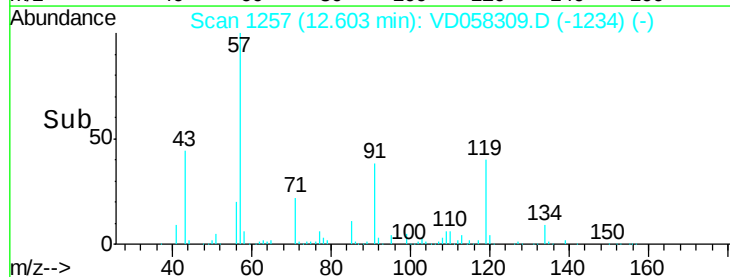
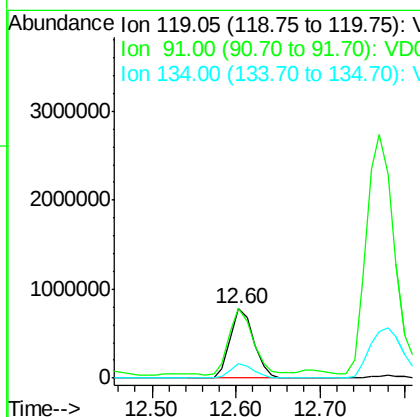
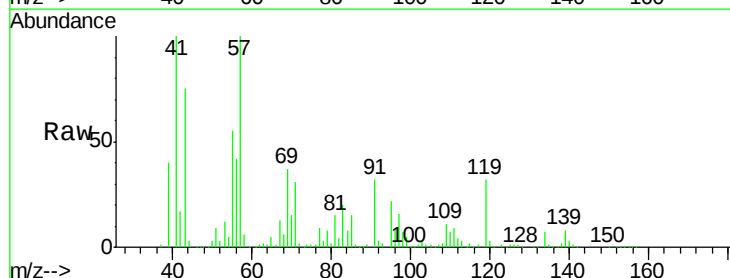
Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-27-29-180618

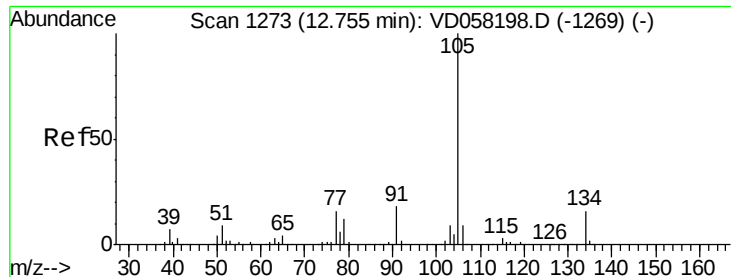
Tot Ion: 91 Resp: 172645
Ion Ratio Lower Upper
91 100
126 6.4 14.9 44.9#



#83
tert-Butylbenzene
Concen: 322.883 ug/l
RT: 12.60 min Scan# 1257
Delta R.T. 0.02 min
Lab File: VD058309.D
Acq: 22 Jun 2018 21:12

Tgt Ion: 119 Resp: 1527384
Ion Ratio Lower Upper
119 100
91 101.2 38.9 116.6
134 21.5 11.2 33.5





#85

sec-Butylbenzene

Concen: 486.919 ug/l

RT: 12.80 min Scan# 1277

Delta R.T. 0.04 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

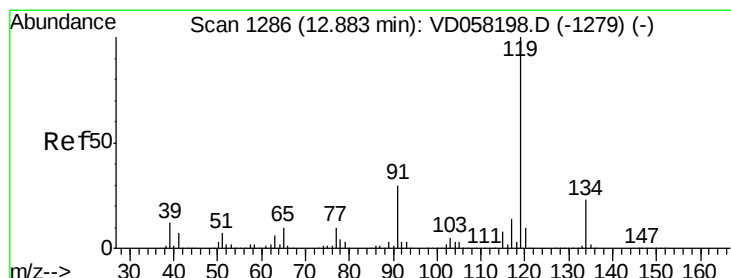
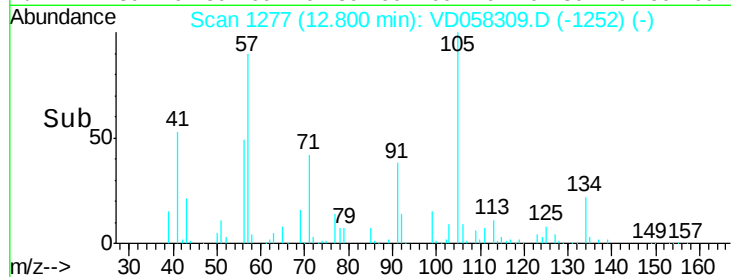
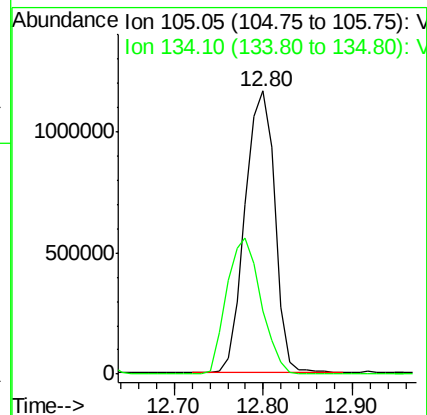
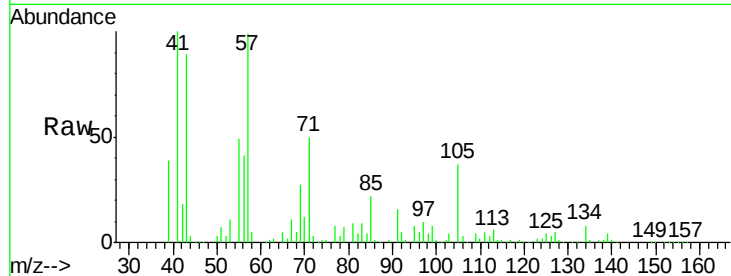
WP021SB470-27-29-180618

Tot Ion:105 Resp: 2699855

Ion Ratio Lower Upper

105 100

134 22.3 8.1 24.3



#86

p-Isopropyltoluene

Concen: 19.420 ug/l

RT: 12.78 min Scan# 1275

Delta R.T. -0.10 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

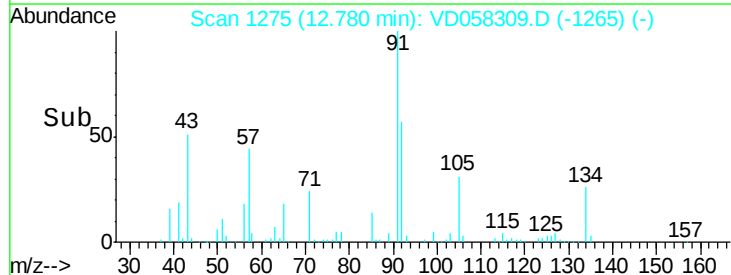
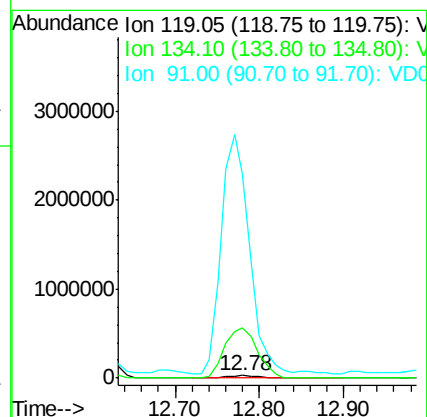
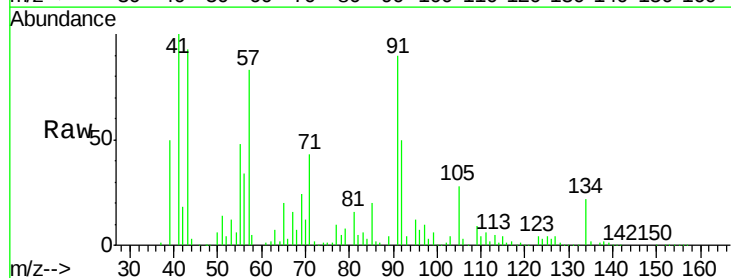
Tgt Ion:119 Resp: 87261

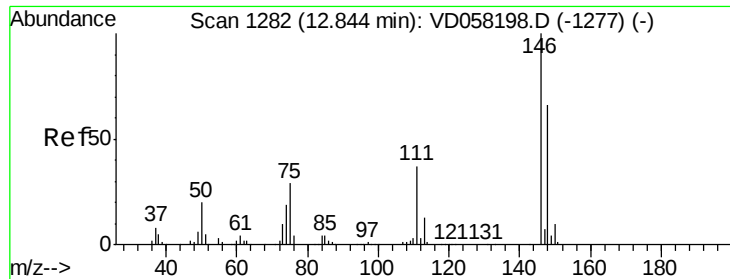
Ion Ratio Lower Upper

119 100

134 2015.1 11.6 34.8#

91 8178.4 15.0 45.1#

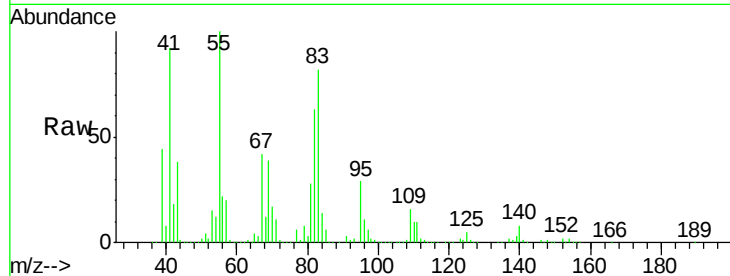




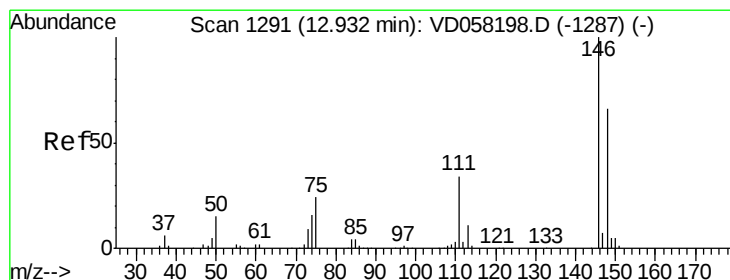
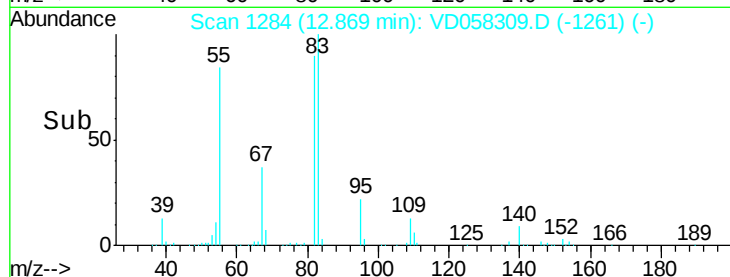
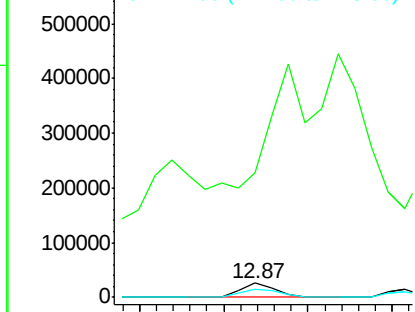
#87
 1,3-Dichlorobenzene
 Concen: 13.739 ug/l
 RT: 12.87 min Scan# 1284
 Delta R.T. 0.02 min
 Lab File: VD058309.D
 Acq: 22 Jun 2018 21:12

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-27-29-180618

Tot Ion:146 Resp: 37722
 Ion Ratio Lower Upper
 146 100
 111 795.5 18.4 55.0#
 148 54.8 32.8 98.4

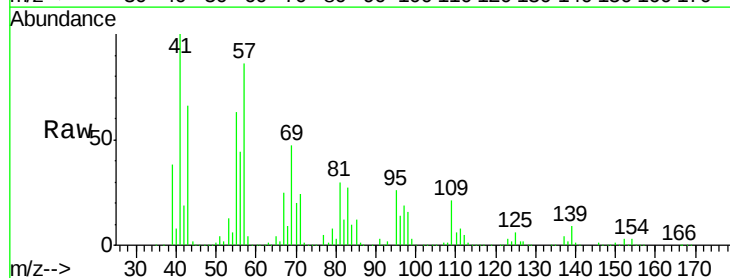


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

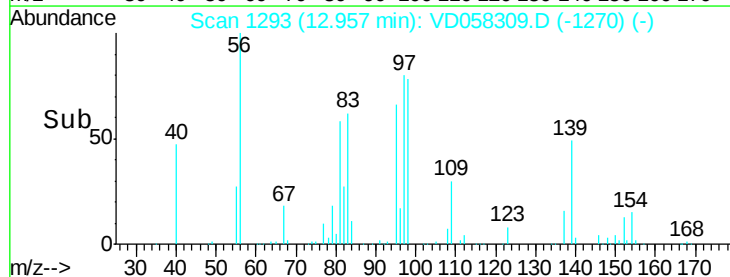
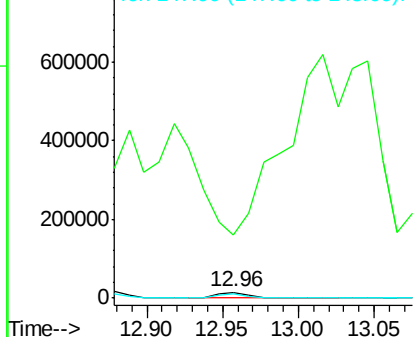


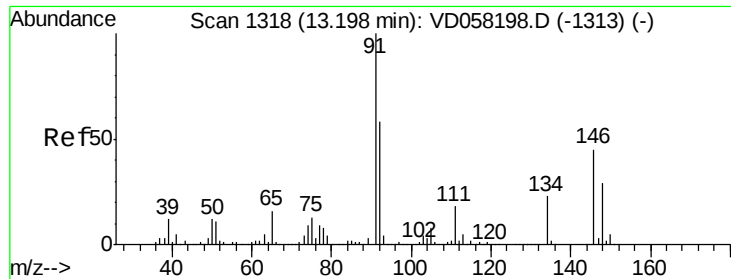
#88
 1,4-Dichlorobenzene
 Concen: 7.932 ug/l
 RT: 12.96 min Scan# 1293
 Delta R.T. 0.02 min
 Lab File: VD058309.D
 Acq: 22 Jun 2018 21:12

Tgt Ion:146 Resp: 21267
 Ion Ratio Lower Upper
 146 100
 111 1088.8 17.2 51.5#
 148 69.2 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: 262.527 ug/l

RT: 13.22 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-27-29-180618

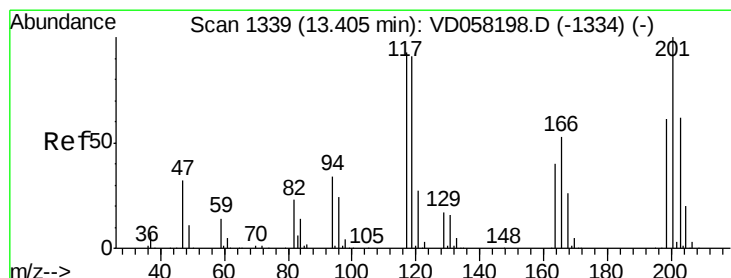
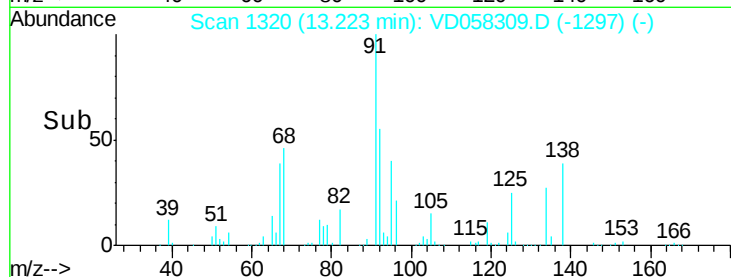
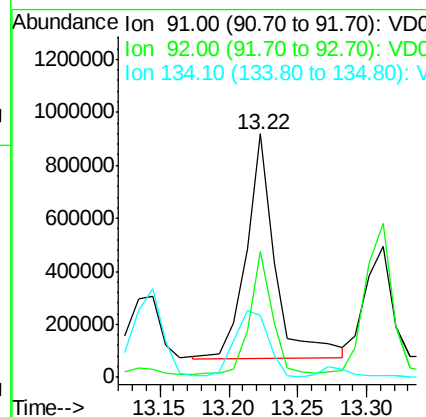
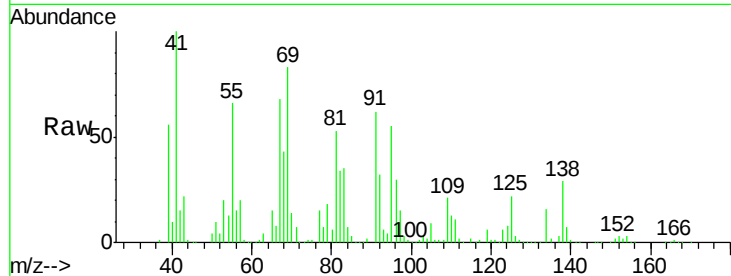
Tot Ion: 91 Resp: 1239759

Ion Ratio Lower Upper

91 100

92 51.5 29.2 87.6

134 25.2 11.3 33.8



#90

Hexachloroethane

Concen: 23.844 ug/l

RT: 13.31 min Scan# 1329

Delta R.T. -0.09 min

Lab File: VD058309.D

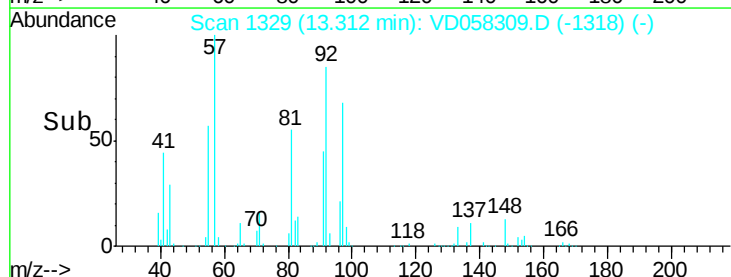
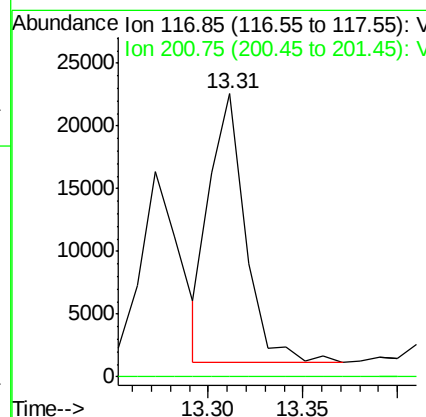
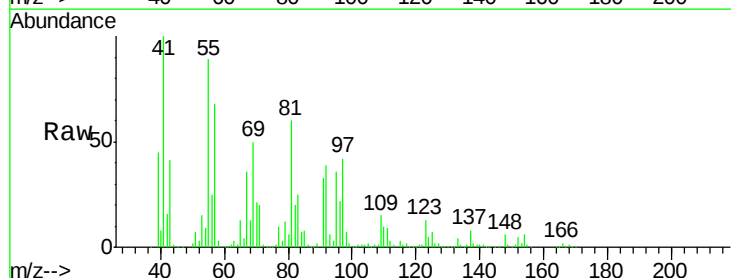
Acq: 22 Jun 2018 21:12

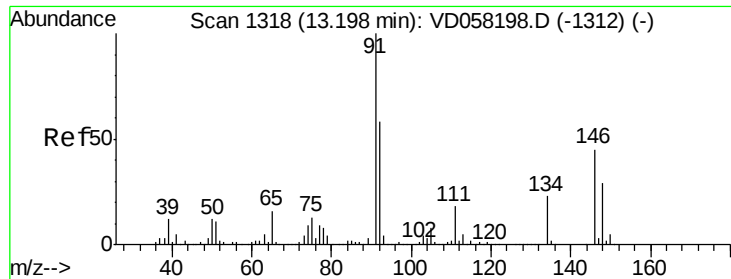
Tgt Ion: 117 Resp: 27808

Ion Ratio Lower Upper

117 100

201 0.0 53.8 161.4#





#91

1,2-Dichlorobenzene

Concen: 3.656 ug/l

RT: 13.22 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-27-29-180618

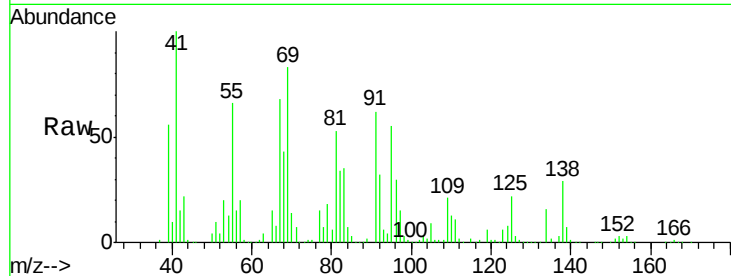
Tot Ion:146 Resp: 8542

Ion Ratio Lower Upper

146 100

111 3142.0 19.6 58.7#

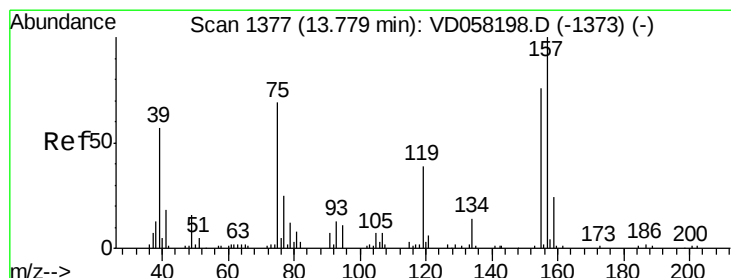
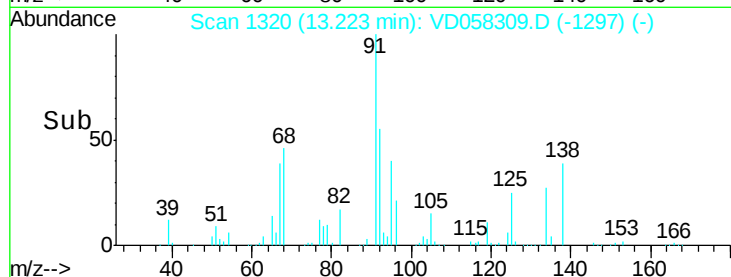
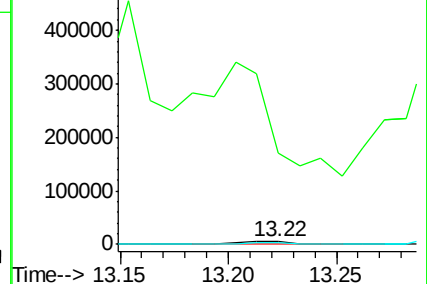
148 66.5 32.0 96.2



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: 82.176 ug/l

RT: 13.73 min Scan# 1371

Delta R.T. -0.05 min

Lab File: VD058309.D

Acq: 22 Jun 2018 21:12

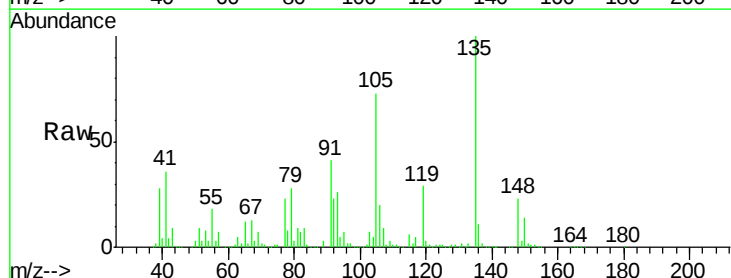
Tgt Ion: 75 Resp: 16055

Ion Ratio Lower Upper

75 100

155 5.8 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

