

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091018\
 Data File : VD059986.D
 Acq On : 10 Sep 2018 11:52
 Operator : JC/SY
 Sample : VD0910SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 10 13:40:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1429965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	1978018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1570640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	849940	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	621751	51.59	ug/l	-0.02
Spiked Amount			Recovery	=	103.18%	
35) Dibromofluoromethane	6.32	113	793695	51.18	ug/l	-0.02
Spiked Amount			Recovery	=	102.36%	
50) Toluene-d8	9.45	98	2144446	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.43	95	847907	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	

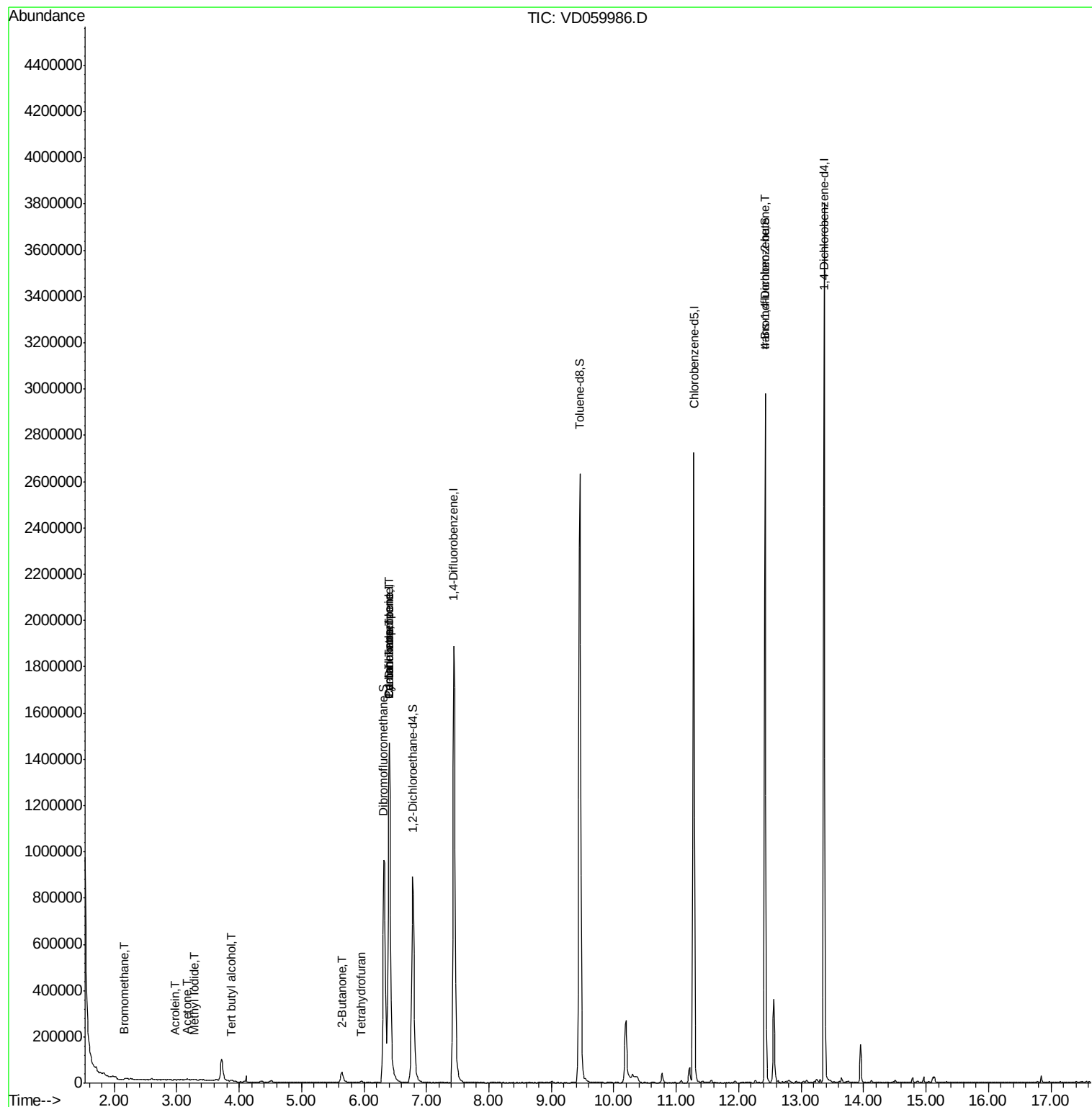
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	2776	1.771	ug/l #	43
10) Methyl Iodide	3.27	142	2557	3.813	ug/l #	83
11) Tert butyl alcohol	3.87	59	5037	5.477	ug/l #	75
13) Acrolein	2.98	56	1450	3.635	ug/l #	61
16) Acetone	3.16	43	14880	6.777	ug/l	94
25) 2-Butanone	5.64	43	6637	1.021	ug/l #	63
29) Tetrahydrofuran	5.96	42	6428	2.076	ug/l #	86
31) Cyclohexane	6.40	56	27110	1.181	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	105152	5.864	ug/l #	47
38) Carbon Tetrachloride	6.40	117	114425	6.323	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.43	75	347374	84.536	ug/l #	12
89) n-Butylbenzene	13.65	91	5163	Below Cal		93

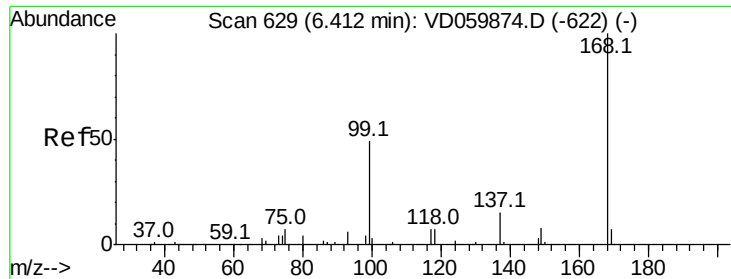
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD059986.D

Acq: 10 Sep 2018 11:52

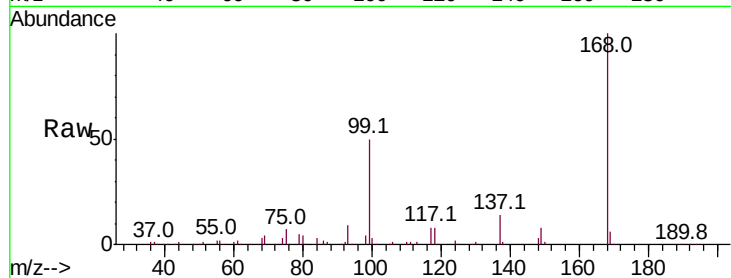
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1429965

Ion Ratio Lower Upper

168 100

99 49.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

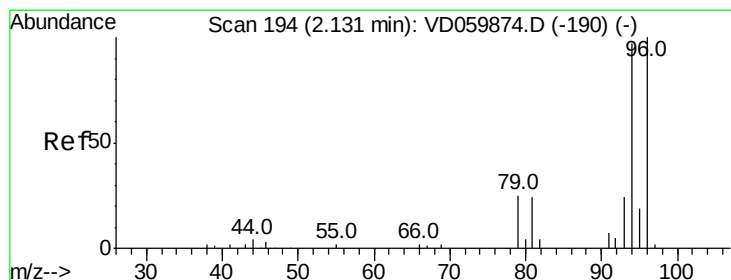
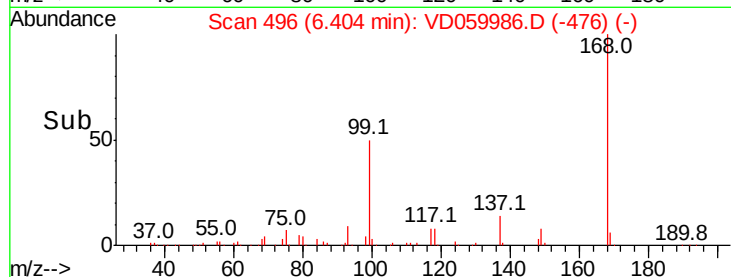
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 1.771 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.04 min

Lab File: VD059986.D

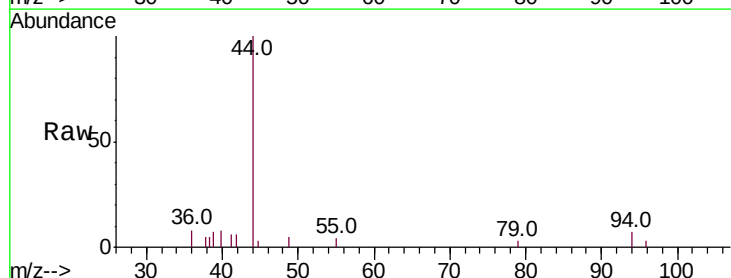
Acq: 10 Sep 2018 11:52

Tgt Ion: 94 Resp: 2776

Ion Ratio Lower Upper

94 100

96 44.6 82.4 123.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.17

800

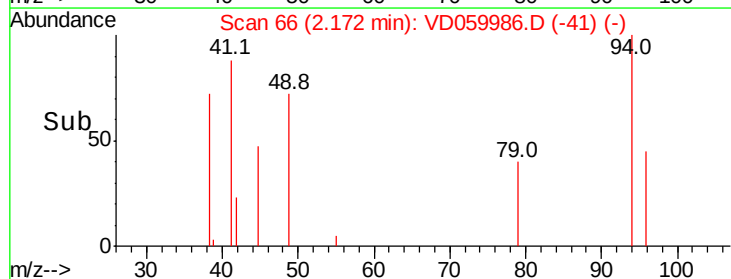
600

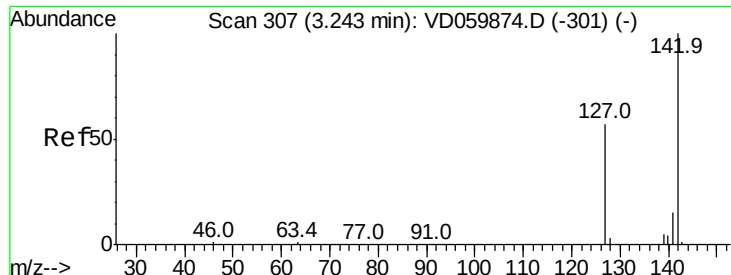
400

200

0

Time-->

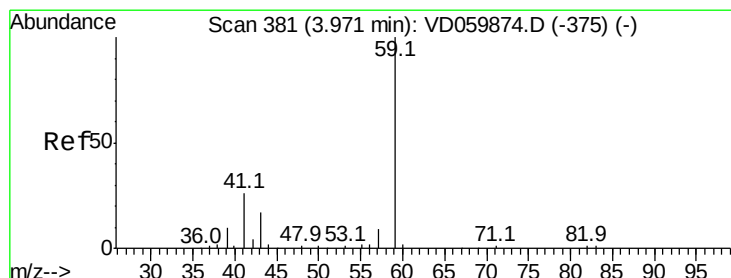
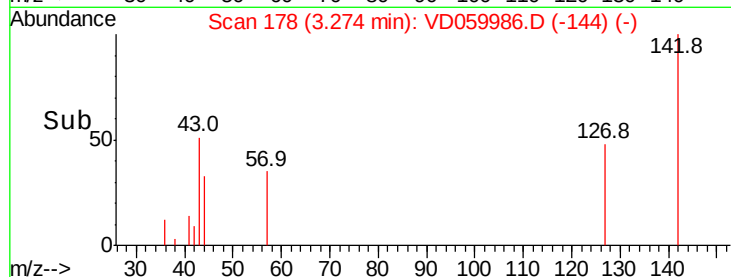
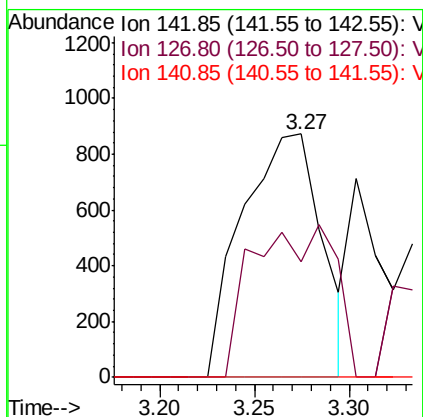
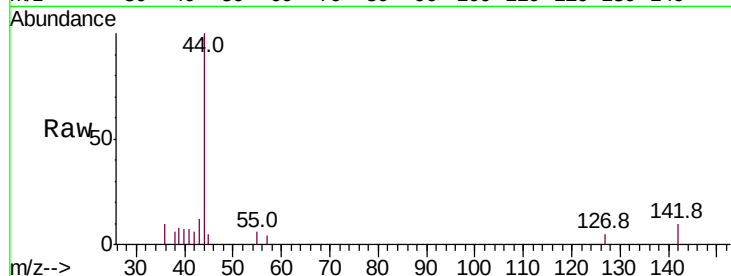




#10
Methvl Iodide
Concen: 3.813 ug/l
RT: 3.27 min Scan# 178
Delta R.T. 0.03 min
Lab File: VD059986.D
Acq: 10 Sep 2018 11:52

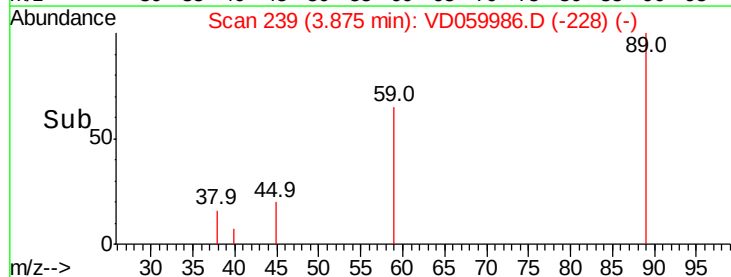
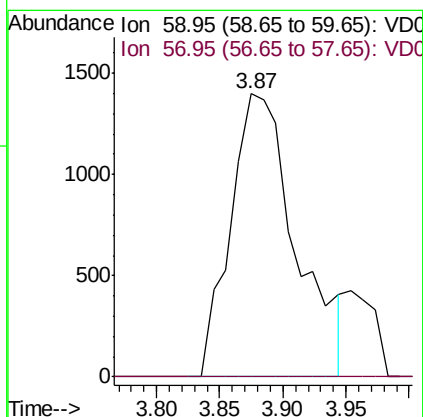
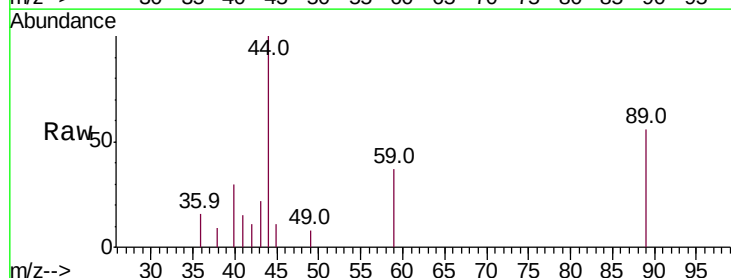
Instrument :
MSVOA_D
ClientSampled :

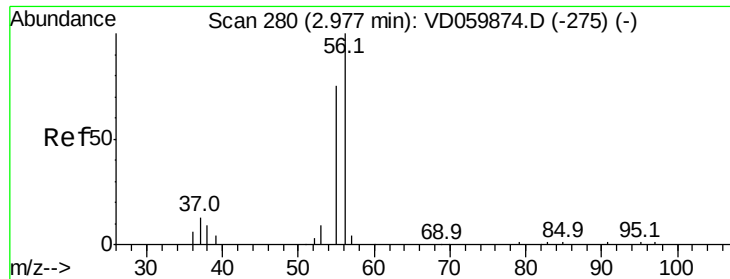
Tot Ion:142 Resp: 2557
Ion Ratio Lower Upper
142 100
127 47.7 45.8 68.6
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 5.477 ug/l
RT: 3.87 min Scan# 239
Delta R.T. -0.10 min
Lab File: VD059986.D
Acq: 10 Sep 2018 11:52

Tgt Ion: 59 Resp: 5037
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#13

Acrolein

Concen: 3.635 ug/l

RT: 2.98 min Scan# 148

Delta R.T. 0.00 min

Lab File: VD059986.D

Acq: 10 Sep 2018 11:52

Instrument :

MSVOA_D

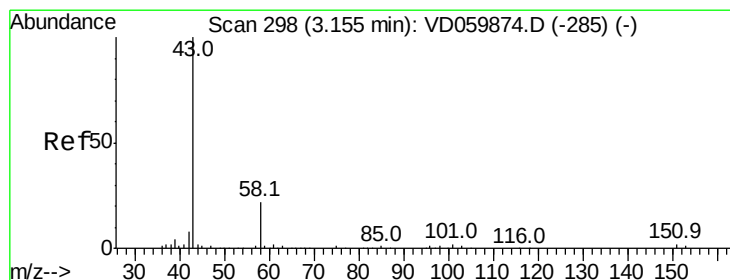
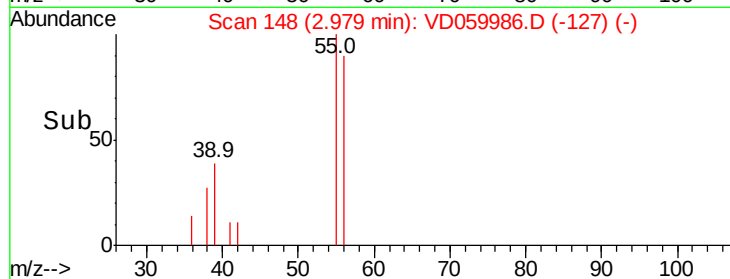
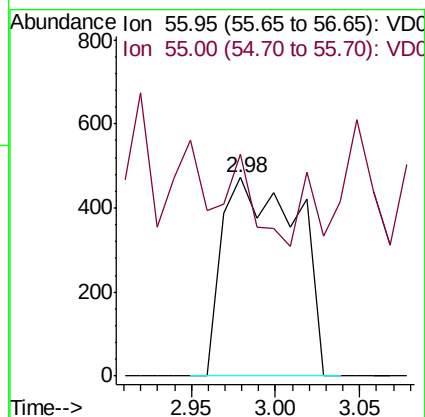
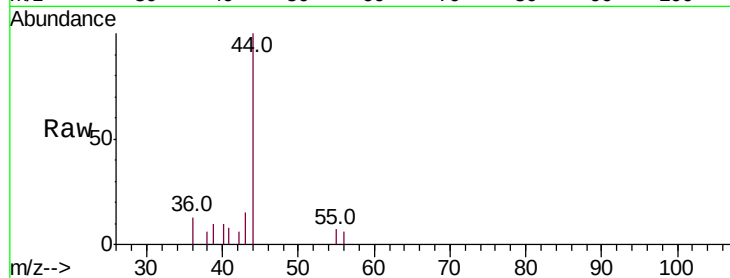
ClientSampled :

Tot Ion: 56 Resp: 1450

Ion Ratio Lower Upper

56 100

55 111.6 61.9 92.9#



#16

Acetone

Concen: 6.777 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.00 min

Lab File: VD059986.D

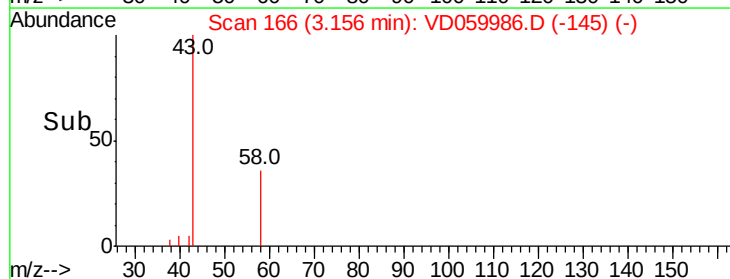
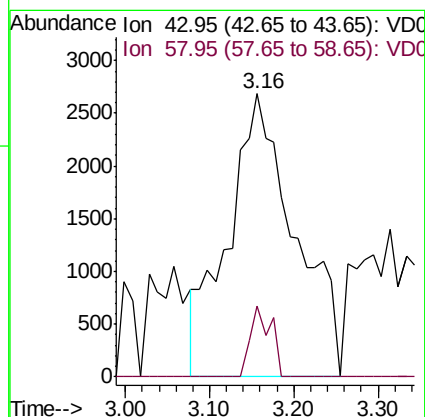
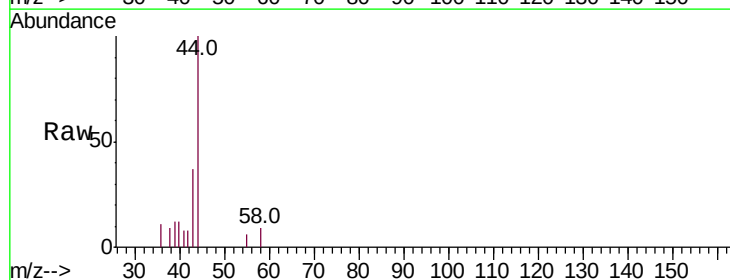
Acq: 10 Sep 2018 11:52

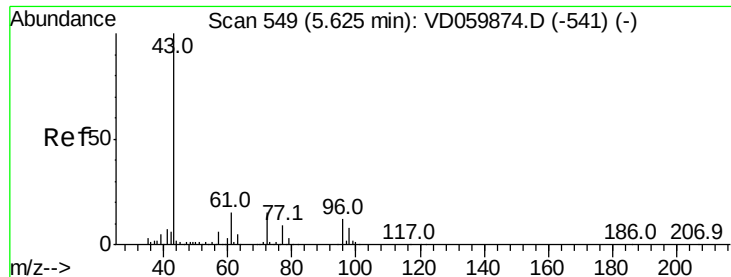
Tgt Ion: 43 Resp: 14880

Ion Ratio Lower Upper

43 100

58 24.8 17.6 26.4





#25

2-Butanone

Concen: 1.021 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.01 min

Lab File: VD059986.D

Acq: 10 Sep 2018 11:52

Instrument :

MSVOA_D

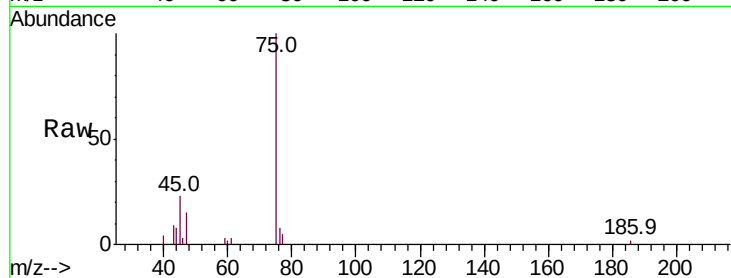
ClientSampled :

Tot Ion: 43 Resp: 6637

Ion Ratio Lower Upper

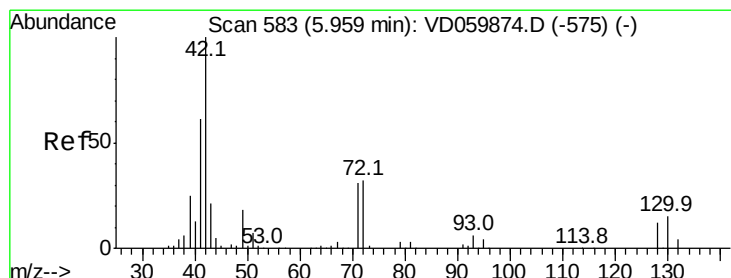
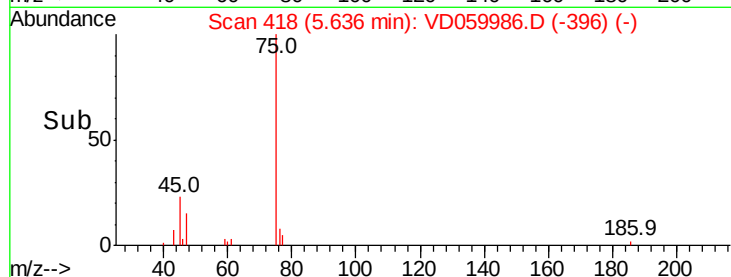
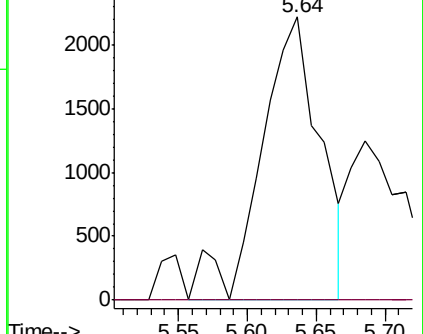
43 100

72 0.0 12.3 18.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 2.076 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.00 min

Lab File: VD059986.D

Acq: 10 Sep 2018 11:52

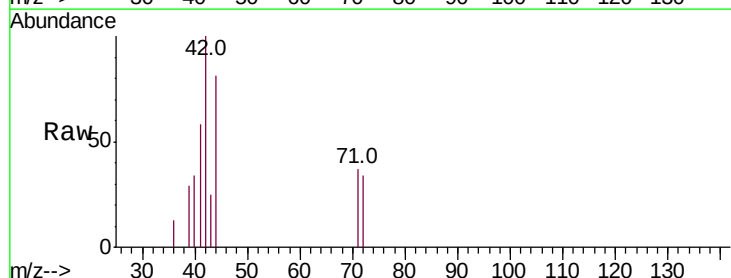
Tgt Ion: 42 Resp: 6428

Ion Ratio Lower Upper

42 100

72 28.9 25.7 38.5

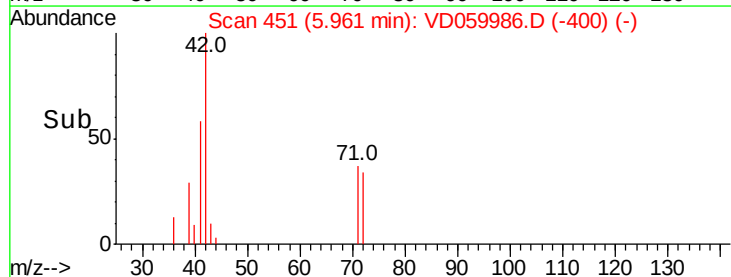
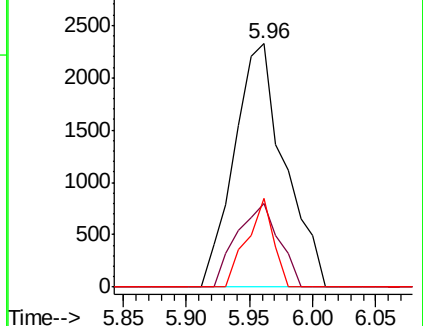
71 19.0 25.3 37.9#

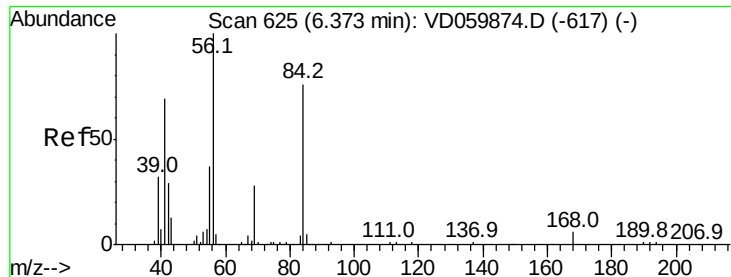


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

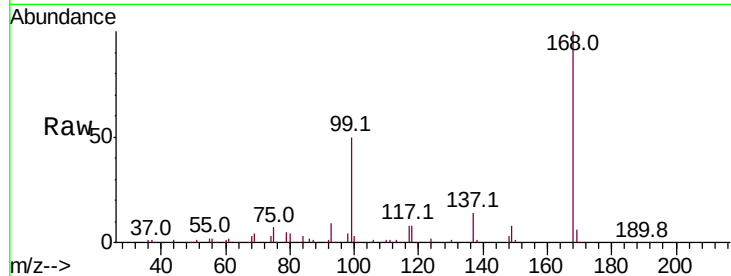




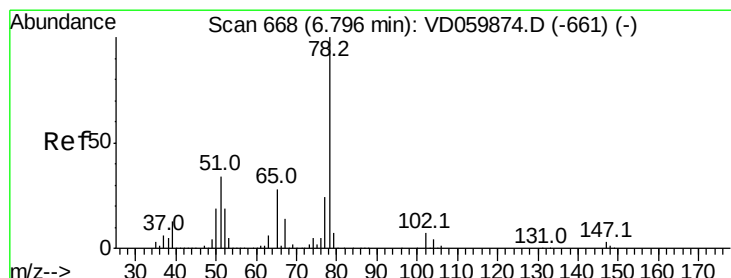
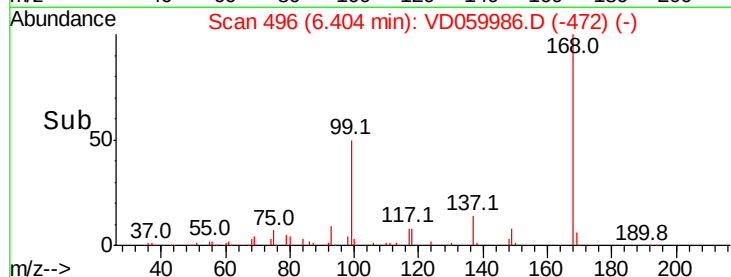
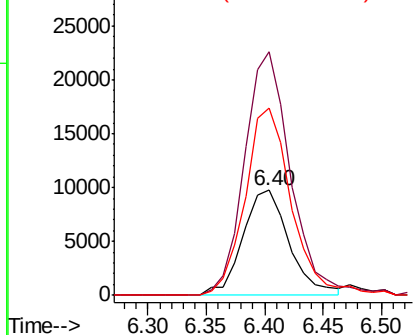
#31
Cyclohexane
Concen: 1.181 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.03 min
Lab File: VD059986.D
Acq: 10 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 27110
Ion Ratio Lower Upper
56 100
69 232.1 22.4 33.6#
84 178.4 62.1 93.1#

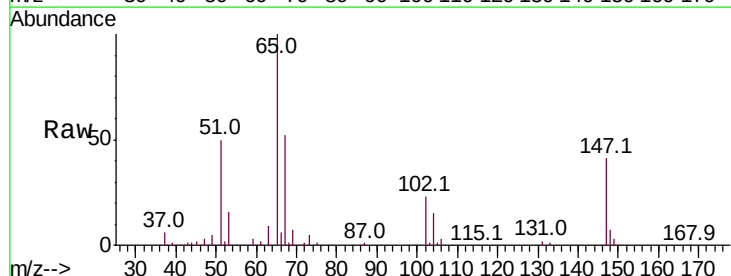


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

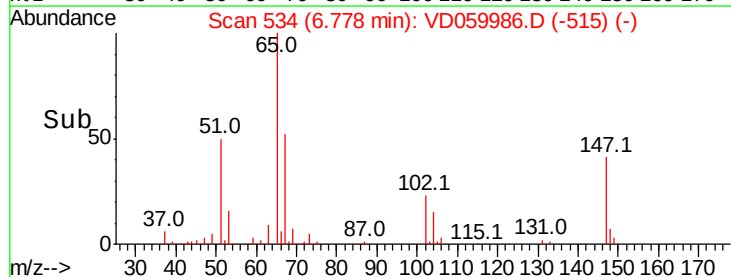
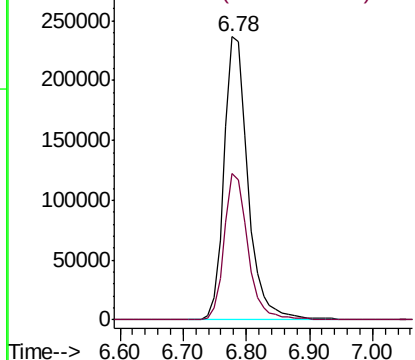


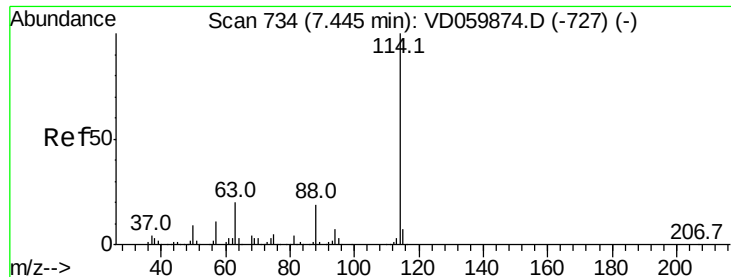
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.02 min
Lab File: VD059986.D
Acq: 10 Sep 2018 11:52

Tgt Ion: 65 Resp: 621751
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



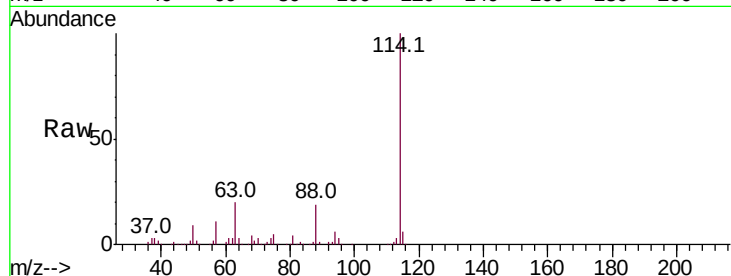


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VD059986.D
 Acq: 10 Sep 2018 11:52

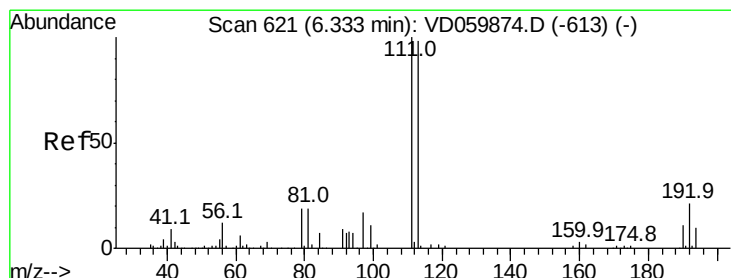
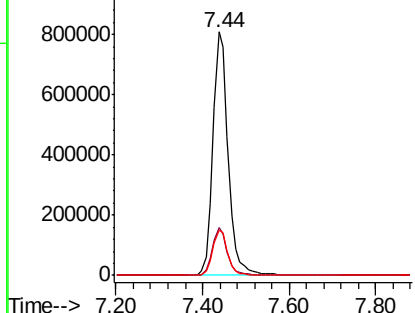
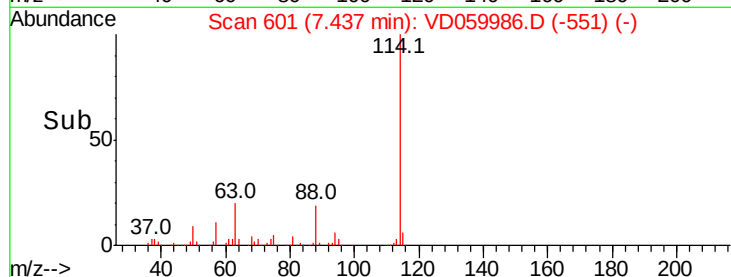
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:114 Resp: 1978018

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.4
88	18.7	0.0	37.6



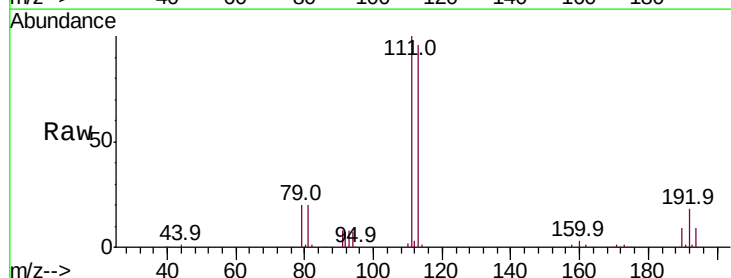
Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V



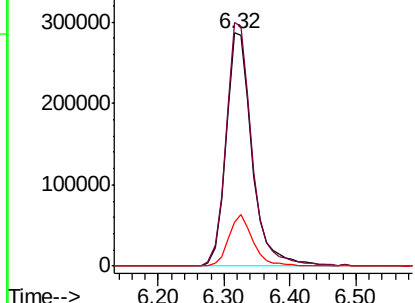
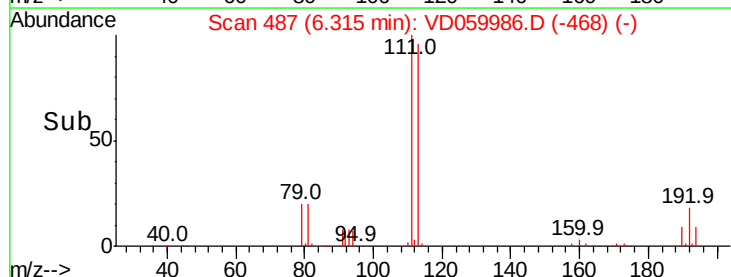
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: VD059986.D
 Acq: 10 Sep 2018 11:52

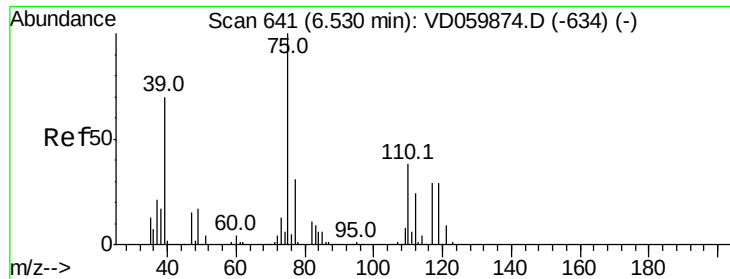
Tgt Ion:113 Resp: 793695

Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.4	122.2
192	18.8	17.0	25.6



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

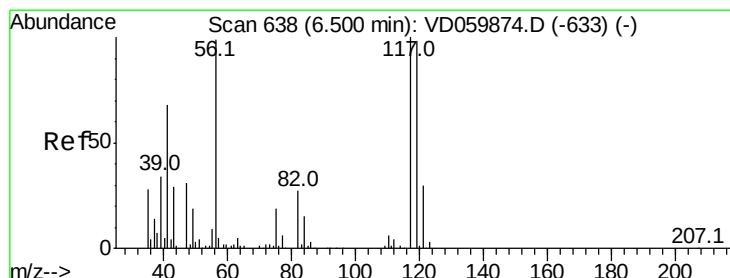
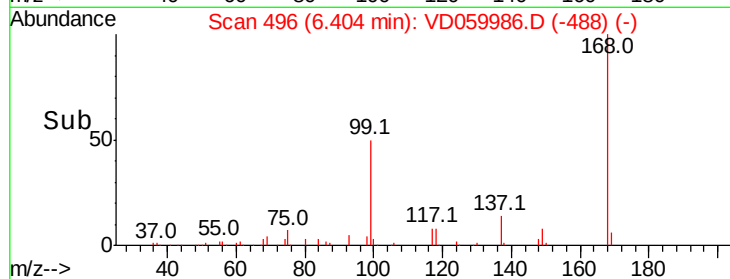
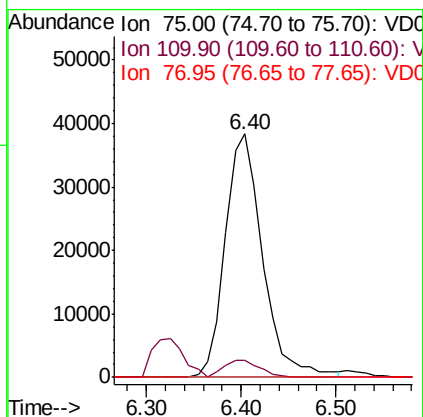
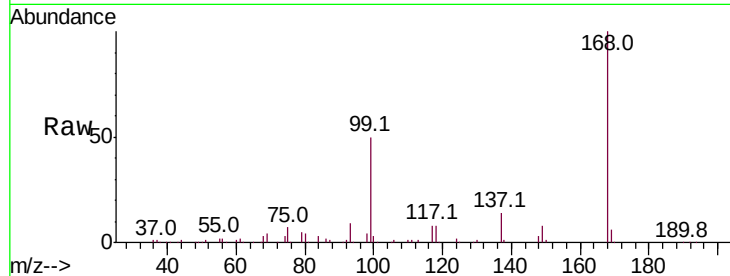




#36
 1,1-Dichloropropene
 Concen: 5.864 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.13 min
 Lab File: VD059986.D
 Acq: 10 Sep 2018 11:52

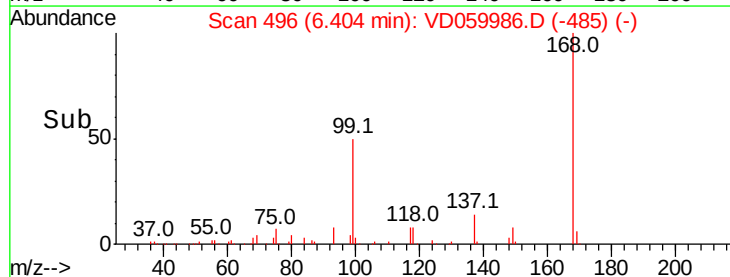
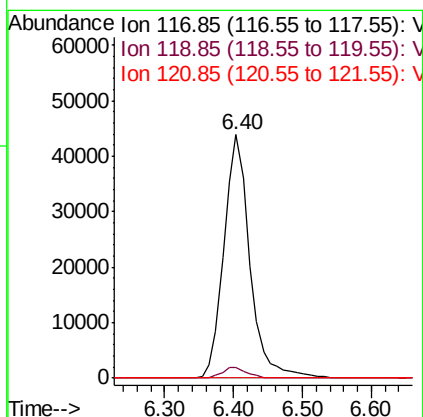
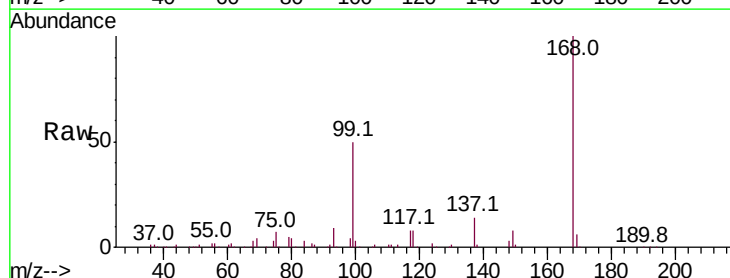
Instrument :
 MSVOA_D
 ClientSampled :

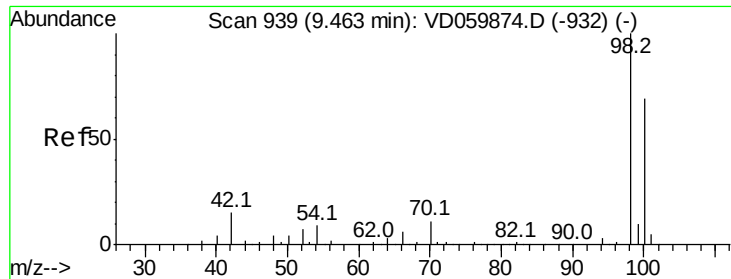
Tot Ion: 75 Resp: 105152
 Ion Ratio Lower Upper
 75 100
 110 7.1 18.6 56.0#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.323 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.10 min
 Lab File: VD059986.D
 Acq: 10 Sep 2018 11:52

Tgt Ion: 117 Resp: 114425
 Ion Ratio Lower Upper
 117 100
 119 4.1 77.2 115.8#
 121 0.0 24.0 36.0#

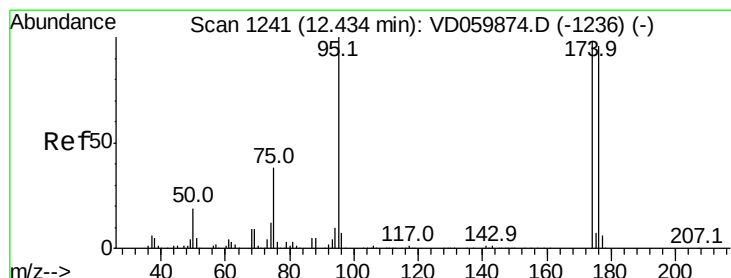
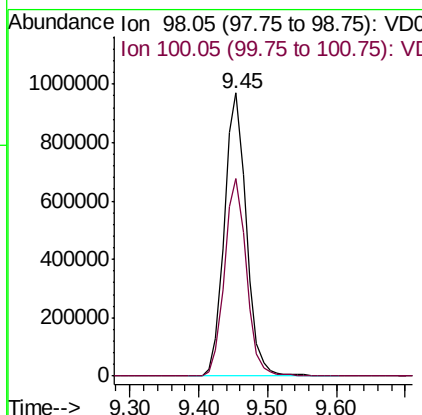
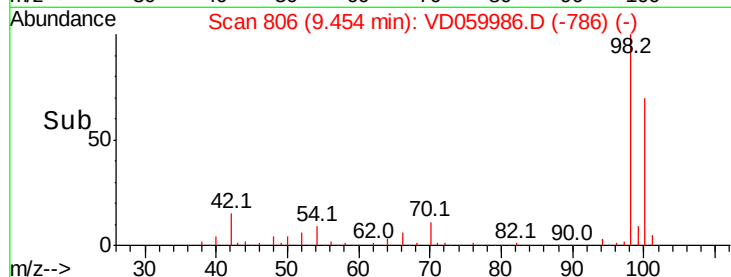
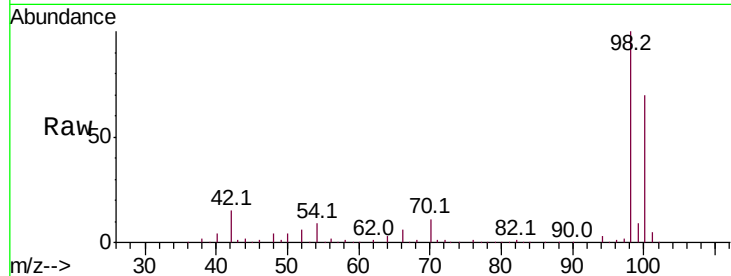




#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD059986.D
Acq: 10 Sep 2018 11:52

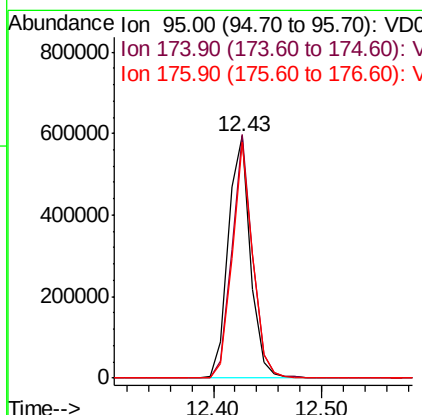
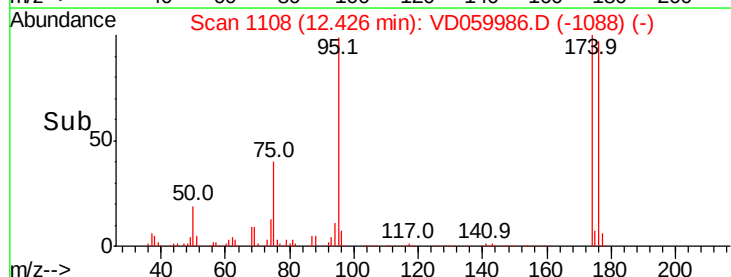
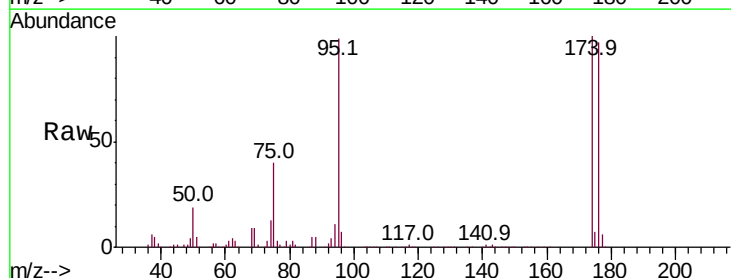
Instrument :
MSVOA_D
ClientSampled :

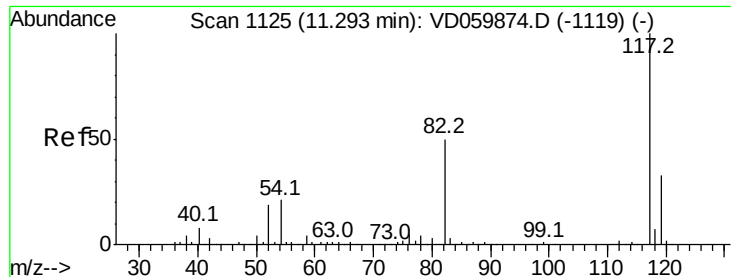
Tot Ion: 98 Resp: 2144446
Ion Ratio Lower Upper
98 100
100 69.6 55.8 83.6



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD059986.D
Acq: 10 Sep 2018 11:52

Tgt Ion: 95 Resp: 847907
Ion Ratio Lower Upper
95 100
174 100.6 0.0 195.6
176 97.5 0.0 191.2

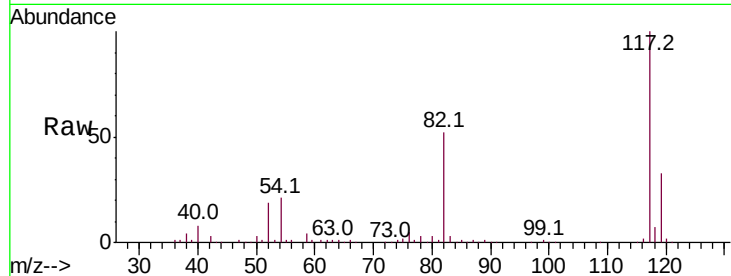




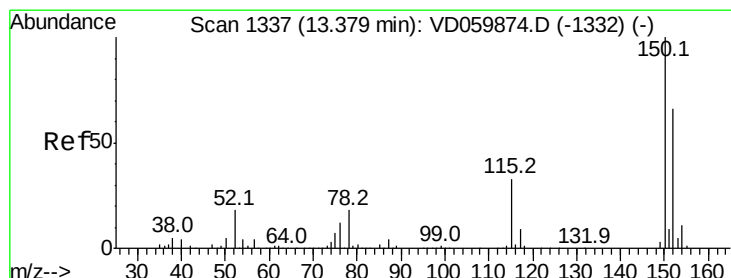
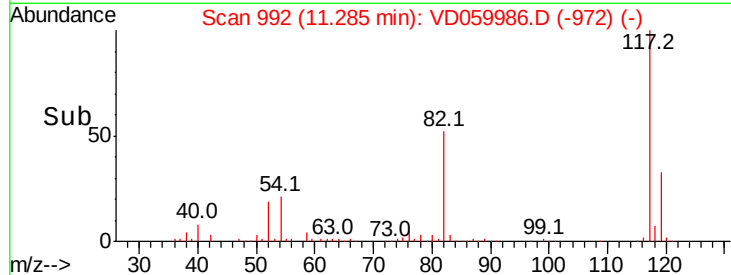
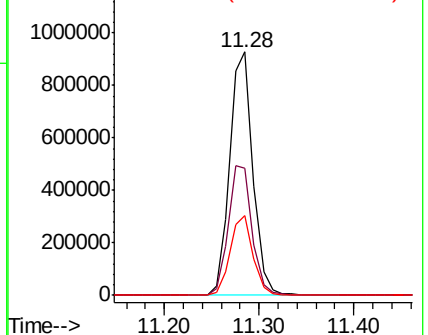
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD059986.D
Acq: 10 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1570640
Ion Ratio Lower Upper
117 100
82 52.1 40.1 60.1
119 33.0 26.7 40.1

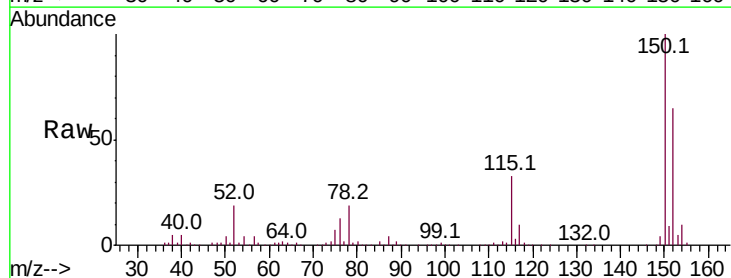


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

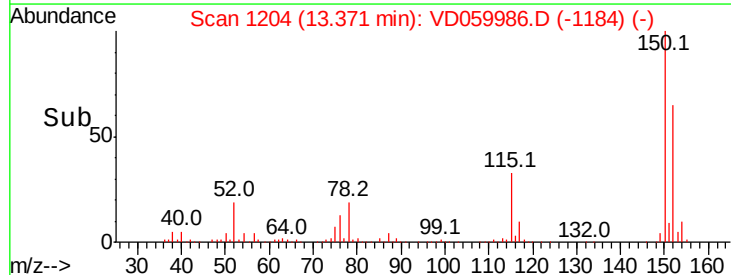
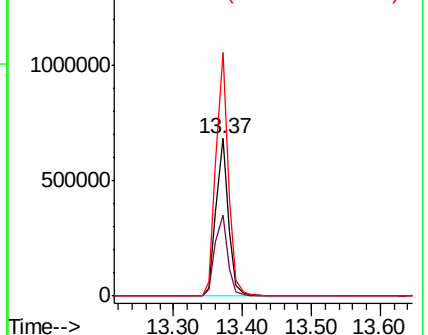


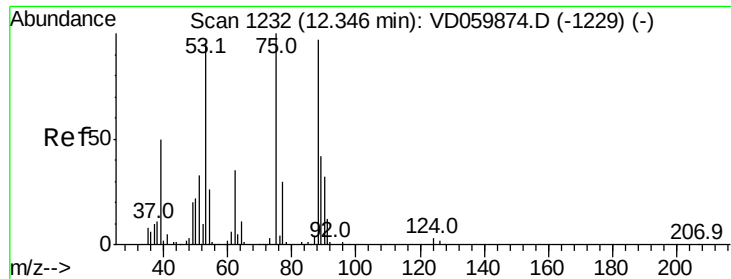
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD059986.D
Acq: 10 Sep 2018 11:52

Tgt Ion:152 Resp: 849940
Ion Ratio Lower Upper
152 100
115 51.1 25.7 77.0
150 154.5 0.0 310.2



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





#81

trans-1,4-Dichloro-2-butene

Concen: 84.536 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD059986.D

Acq: 10 Sep 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 347374

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

89 0.0 33.6 50.4#

