

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082418\
 Data File : VD059901.D
 Acq On : 24 Aug 2018 12:24
 Operator : JC/SY
 Sample : VD0824SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 24 14:46:13 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	6.39	168	1187661	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	1614273	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1382884	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	701970	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	515499	51.50	ug/l	-0.03
Spiked Amount						
			Recovery	=	103.00%	
35) Dibromofluoromethane	6.30	113	617884	48.82	ug/l	-0.03
Spiked Amount						
			Recovery	=	97.64%	
50) Toluene-d8	9.44	98	1692841	48.20	ug/l	-0.02
Spiked Amount						
			Recovery	=	96.40%	
62) 4-Bromofluorobenzene	12.42	95	699003	49.00	ug/l	-0.01
Spiked Amount						
			Recovery	=	98.00%	

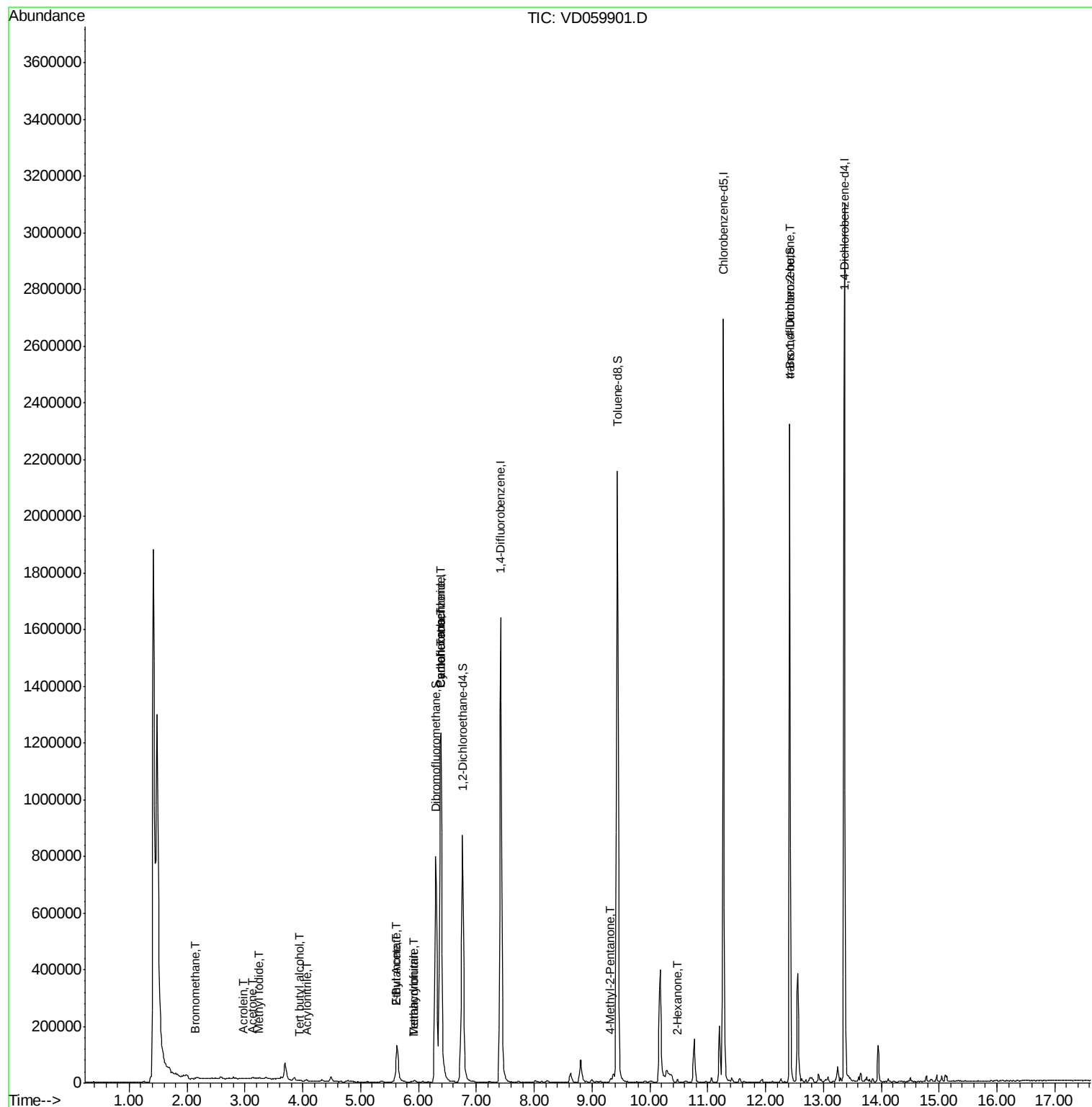
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	1581	1.214	ug/l #	44
10) Methyl Iodide	3.25	142	2613	3.893	ug/l #	74
11) Tert butyl alcohol	3.94	59	3663	4.796	ug/l #	75
13) Acrolein	2.96	56	2502	7.553	ug/l #	52
15) Acrylonitrile	4.06	53	3261	1.140	ug/l	93
16) Acetone	3.13	43	8630	4.732	ug/l #	83
20) Methylene Chloride	3.69	84	32593	Below Cal		96
25) 2-Butanone	5.61	43	24086	4.459	ug/l #	63
29) Tetrahydrofuran	5.93	42	5407	2.103	ug/l #	73
31) Cyclohexane	6.38	56	26692	1.400	ug/l #	1
37) Ethyl Acetate	5.61	43	24086	2.115	ug/l #	69
38) Carbon Tetrachloride	6.39	117	98714	6.684	ug/l #	15
41) Methacrylonitrile	5.92	41	6476	1.129	ug/l #	67
51) 4-Methyl-2-Pentanone	9.32	43	20531	1.859	ug/l #	87
59) 2-Hexanone	10.47	43	9406	1.155	ug/l	77
81) trans-1,4-Dichloro-2-buten	12.42	75	290635	85.638	ug/l #	12
89) n-Butylbenzene	13.64	91	6541	Below Cal		83

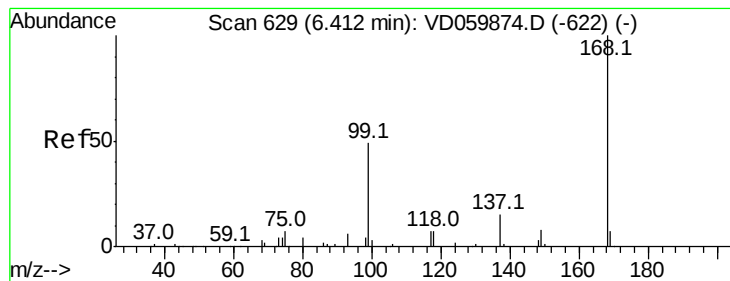
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082418\
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QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD059901.D

Acq: 24 Aug 2018 12:24

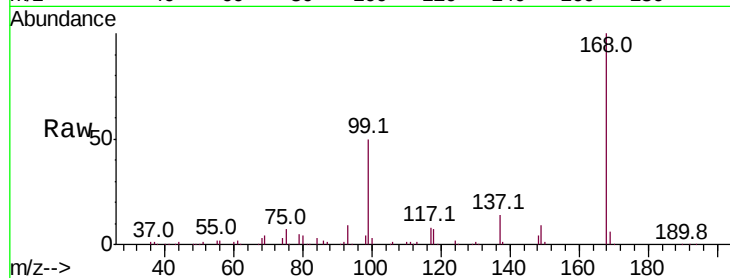
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 1187661

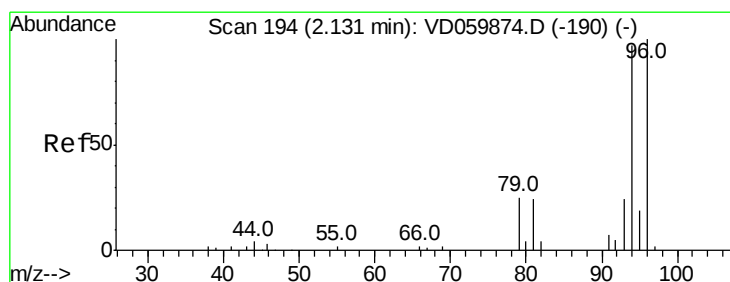
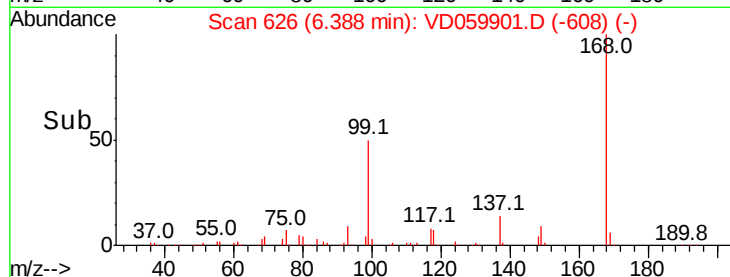
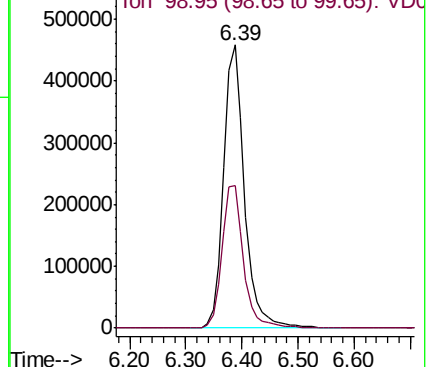
Ion Ratio Lower Upper

168 100

99 50.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V



#5

Bromomethane

Concen: 1.214 ug/l

RT: 2.14 min Scan# 194

Delta R.T. 0.01 min

Lab File: VD059901.D

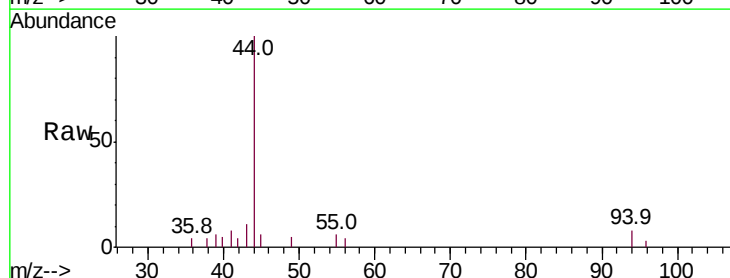
Acq: 24 Aug 2018 12:24

Tgt Ion: 94 Resp: 1581

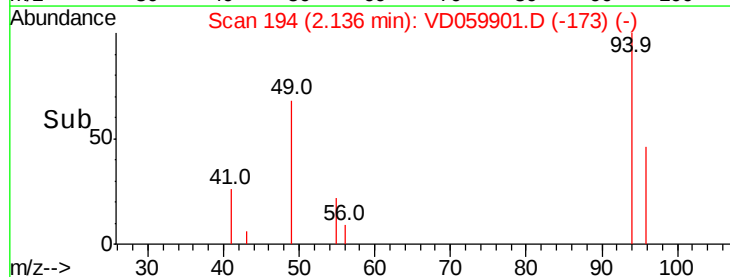
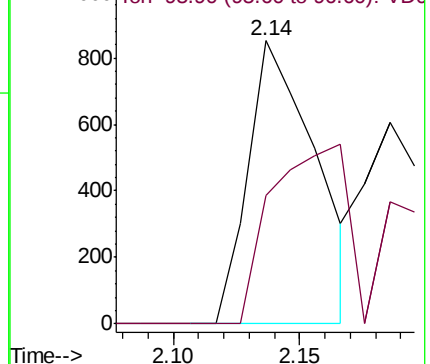
Ion Ratio Lower Upper

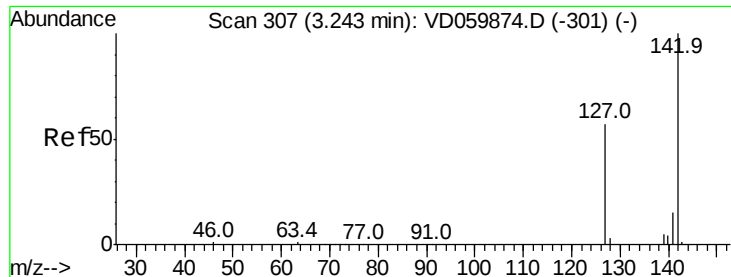
94 100

96 45.5 82.4 123.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

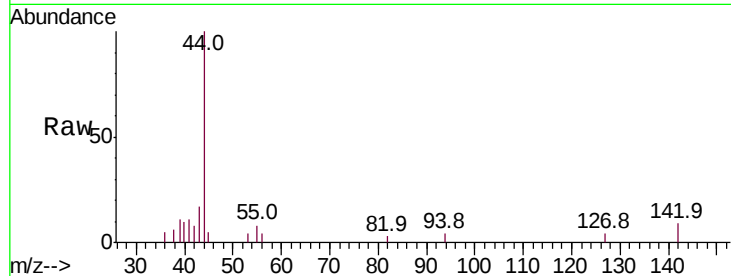




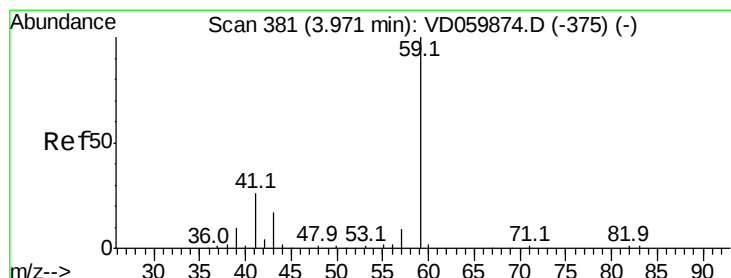
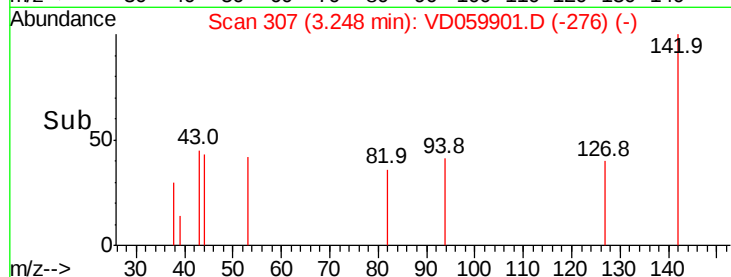
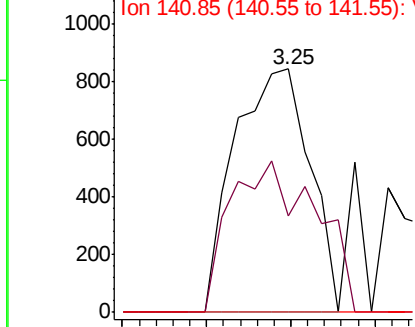
#10
Methyl Iodide
Concen: 3.893 ug/l
RT: 3.25 min Scan# 307
Delta R.T. 0.01 min
Lab File: VD059901.D
Acq: 24 Aug 2018 12:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 2613
Ion Ratio Lower Upper
142 100
127 39.7 45.8 68.6#
141 0.0 11.6 17.4#

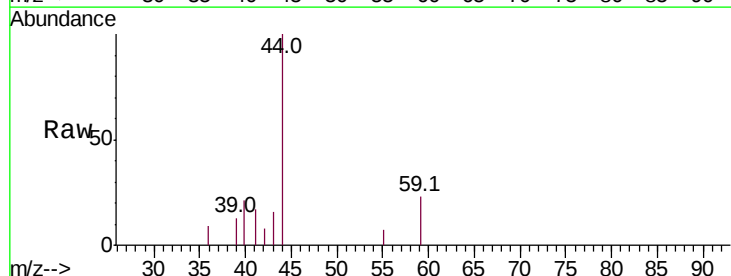


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

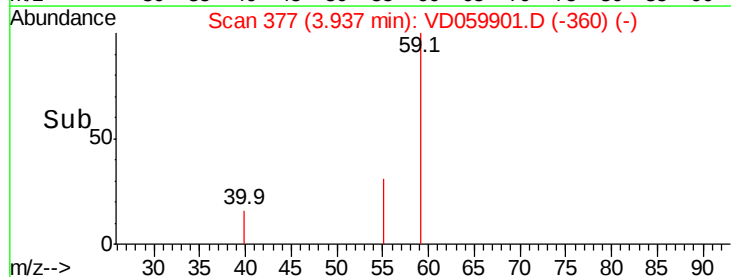
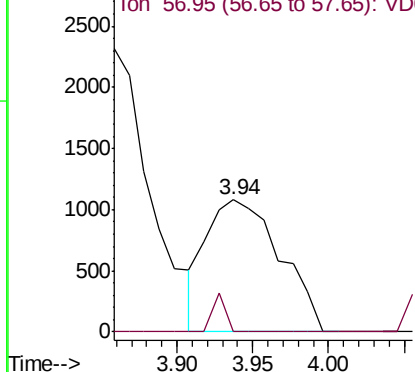


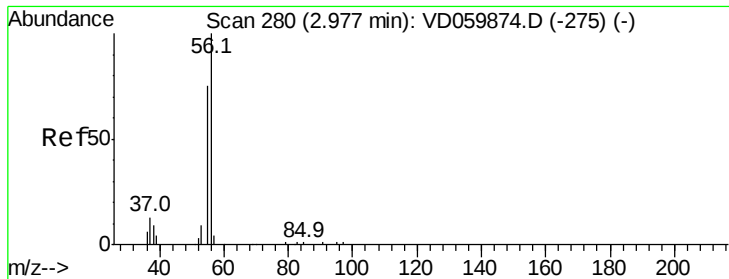
#11
Tert butyl alcohol
Concen: 4.796 ug/l
RT: 3.94 min Scan# 377
Delta R.T. -0.03 min
Lab File: VD059901.D
Acq: 24 Aug 2018 12:24

Tgt Ion: 59 Resp: 3663
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 7.553 ug/l

RT: 2.96 min Scan# 278

Delta R.T. -0.01 min

Lab File: VD059901.D

Acq: 24 Aug 2018 12:24

Instrument :

MSVOA_D

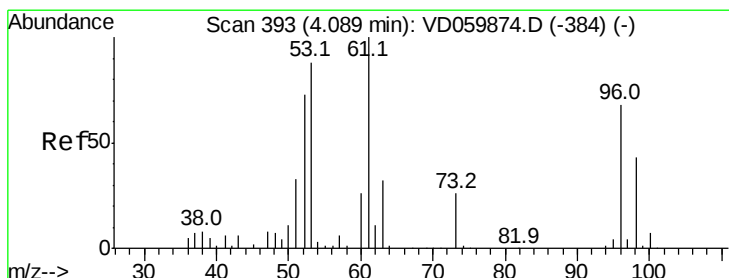
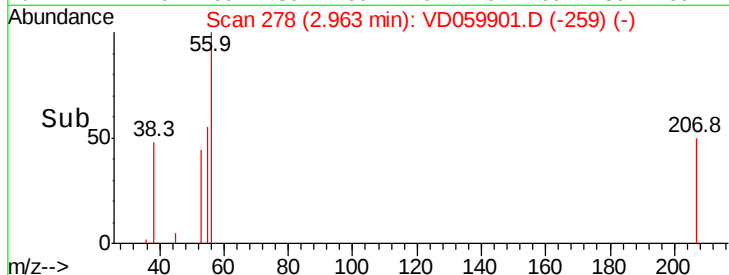
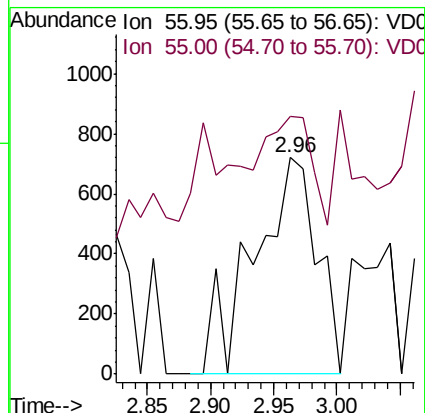
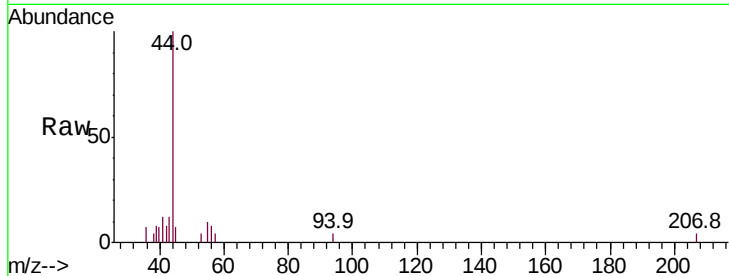
ClientSampled :

Tot Ion: 56 Resp: 2502

Ion Ratio Lower Upper

56 100

55 118.9 61.9 92.9#



#15

Acrylonitrile

Concen: 1.140 ug/l

RT: 4.06 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD059901.D

Acq: 24 Aug 2018 12:24

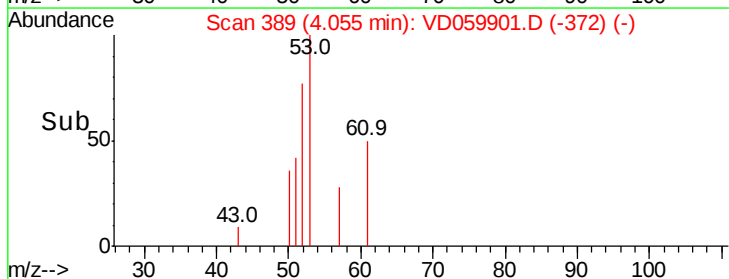
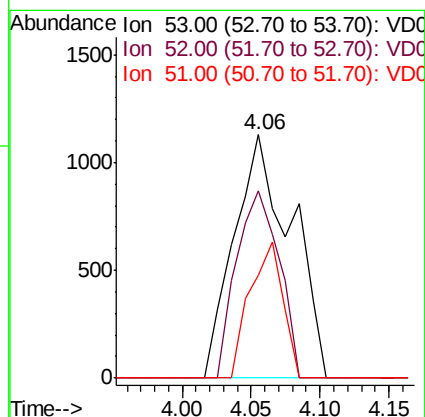
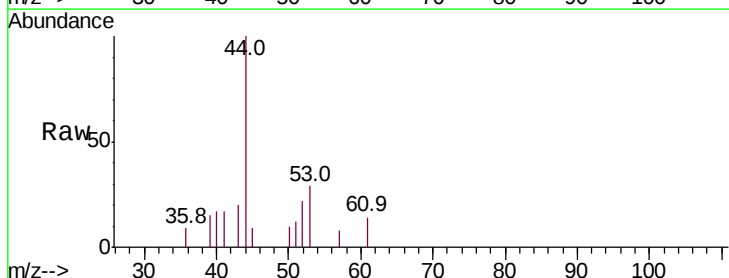
Tgt Ion: 53 Resp: 3261

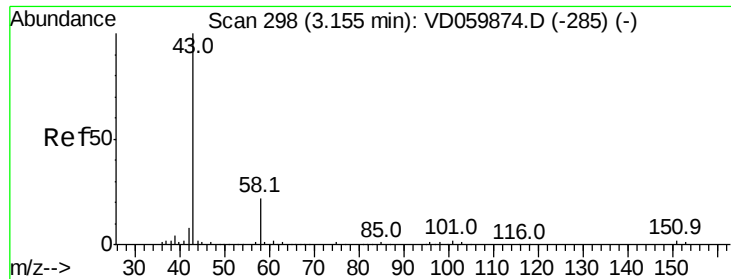
Ion Ratio Lower Upper

53 100

52 77.2 66.9 100.3

51 42.2 30.3 45.5





#16

Acetone

Concen: 4.732 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059901.D

Acq: 24 Aug 2018 12:24

Instrument :

MSVOA_D

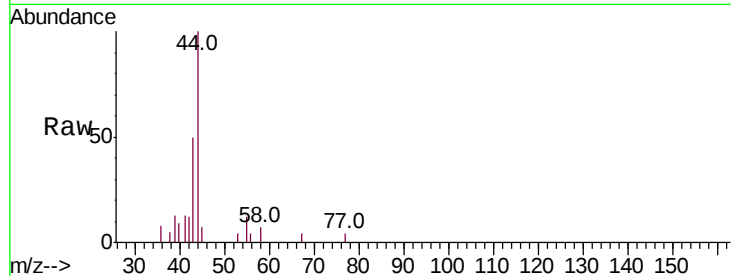
ClientSampled :

Tot Ion: 43 Resp: 8630

Ion Ratio Lower Upper

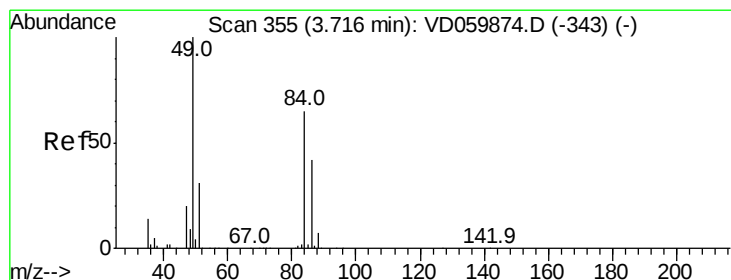
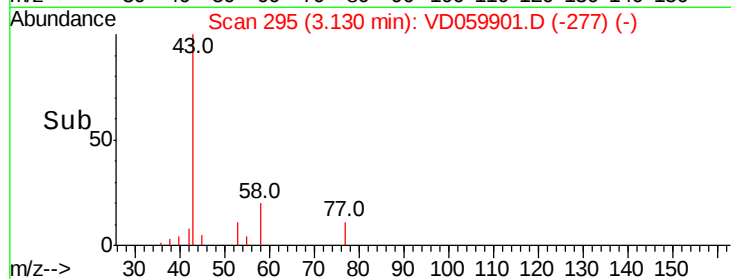
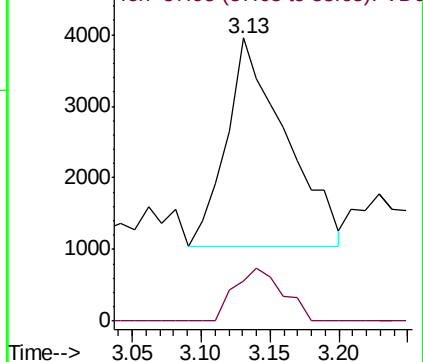
43 100

58 14.0 17.6 26.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.69 min Scan# 352

Delta R.T. -0.02 min

Lab File: VD059901.D

Acq: 24 Aug 2018 12:24

Tgt Ion: 84 Resp: 32593

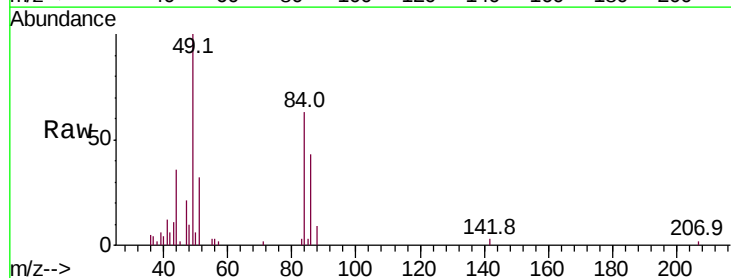
Ion Ratio Lower Upper

84 100

49 158.1 122.6 183.8

51 50.9 38.4 57.6

86 67.2 51.5 77.3

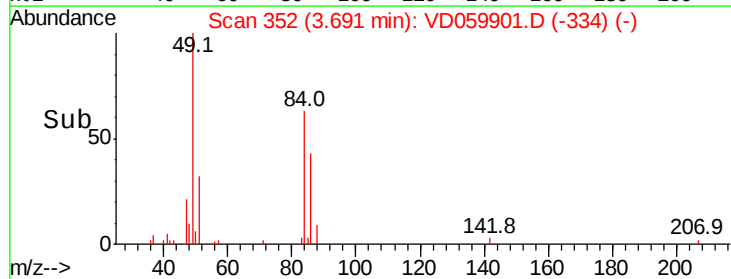
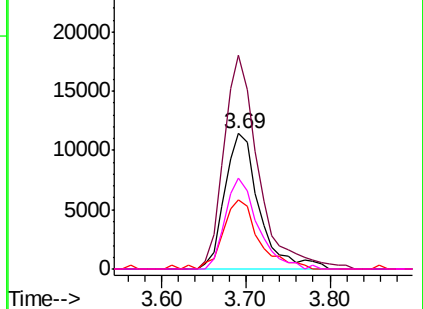


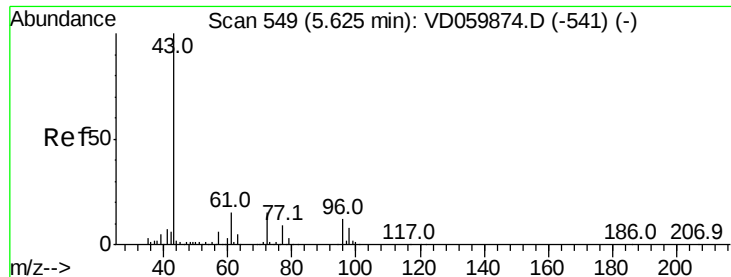
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 4.459 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.01 min

Lab File: VD059901.D

Acq: 24 Aug 2018 12:24

Instrument :

MSVOA_D

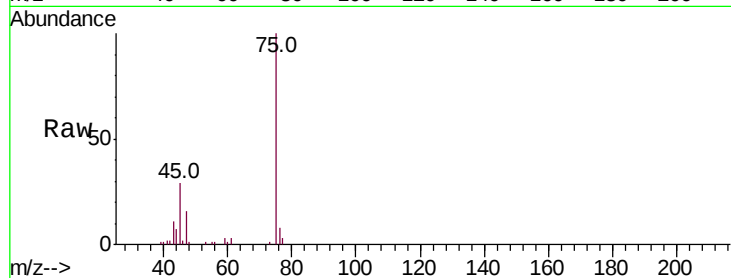
ClientSampled :

Tot Ion: 43 Resp: 24086

Ion Ratio Lower Upper

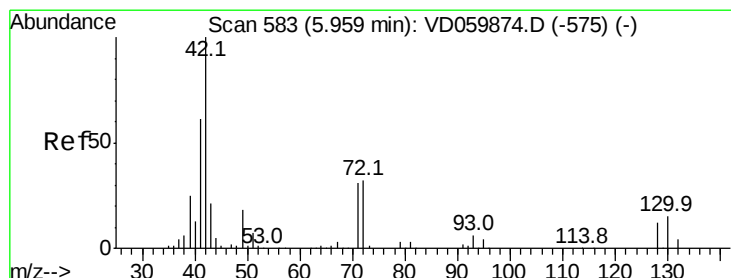
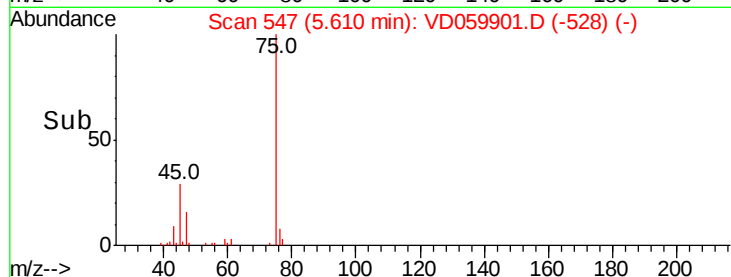
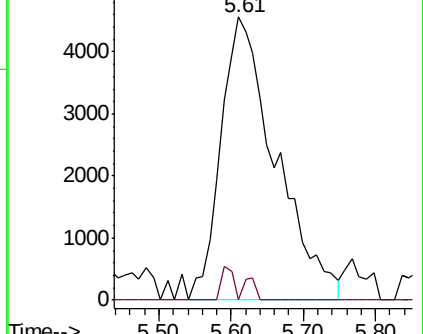
43 100

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: 2.103 ug/l

RT: 5.93 min Scan# 579

Delta R.T. -0.03 min

Lab File: VD059901.D

Acq: 24 Aug 2018 12:24

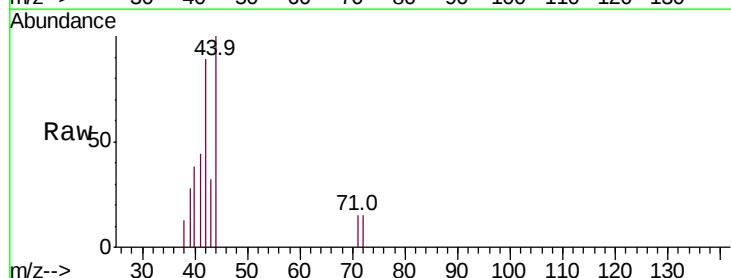
Tgt Ion: 42 Resp: 5407

Ion Ratio Lower Upper

42 100

72 19.6 25.7 38.5#

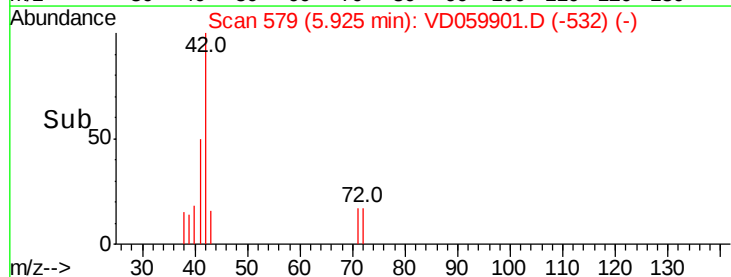
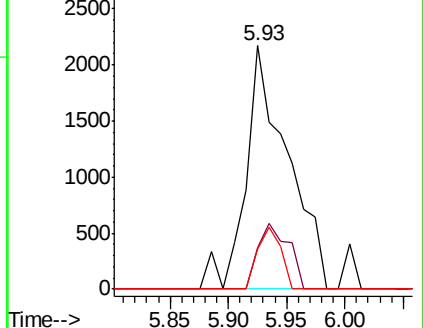
71 14.2 25.3 37.9#

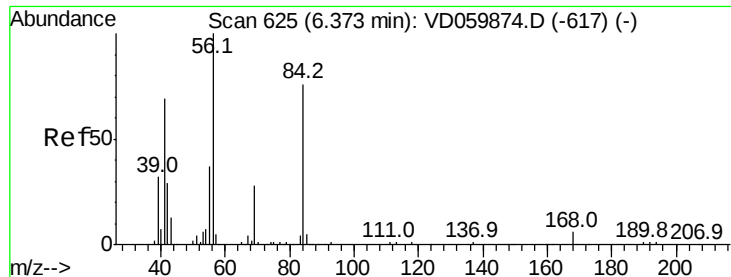


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

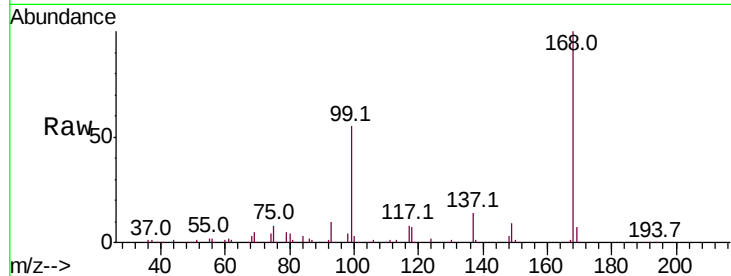




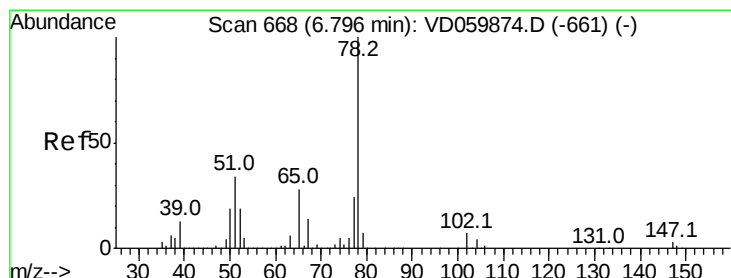
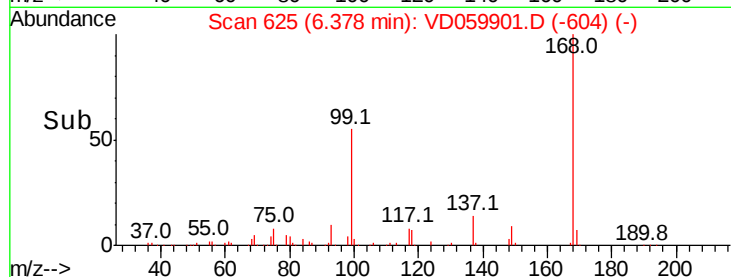
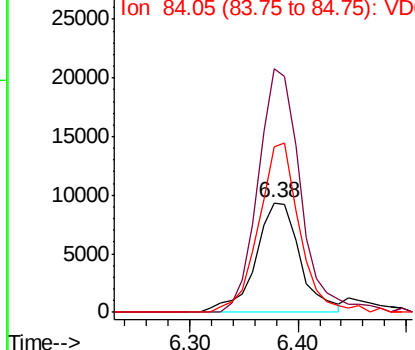
#31
Cyclohexane
Concen: 1.400 ug/l
RT: 6.38 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD059901.D
Acq: 24 Aug 2018 12:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 26692
Ion Ratio Lower Upper
56 100
69 221.8 22.4 33.6#
84 150.6 62.1 93.1#

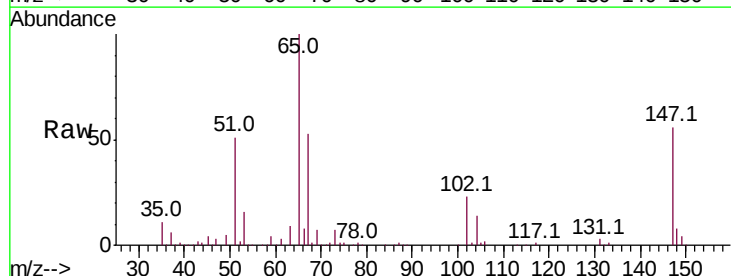


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

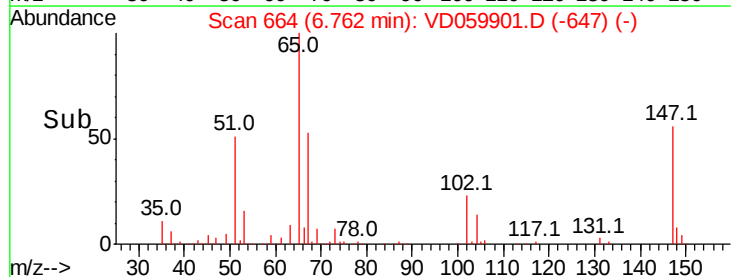
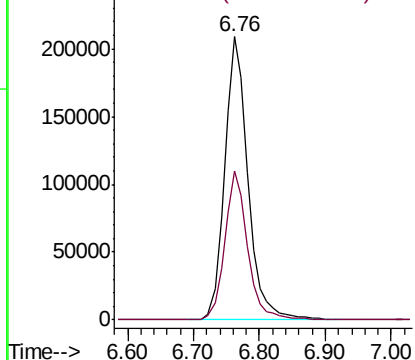


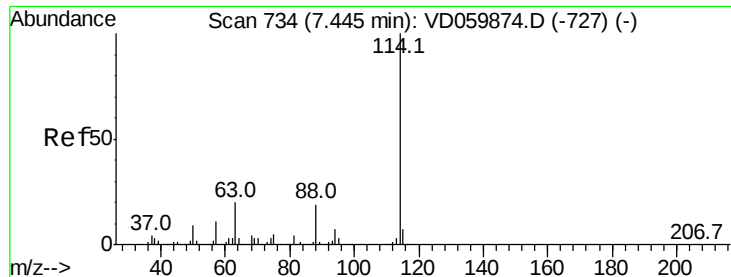
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.76 min Scan# 664
Delta R.T. -0.03 min
Lab File: VD059901.D
Acq: 24 Aug 2018 12:24

Tgt Ion: 65 Resp: 515499
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.8



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

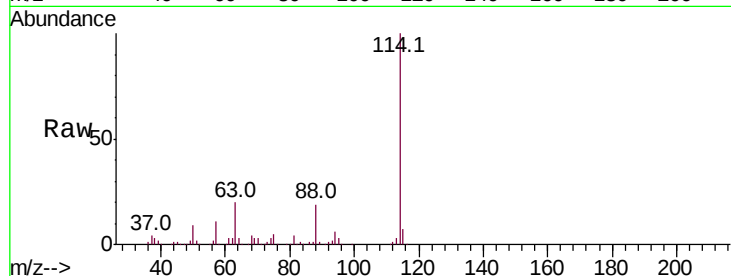




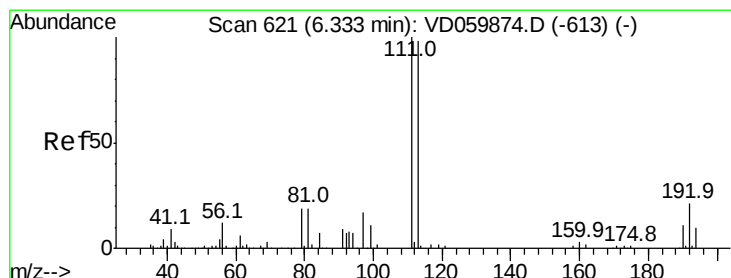
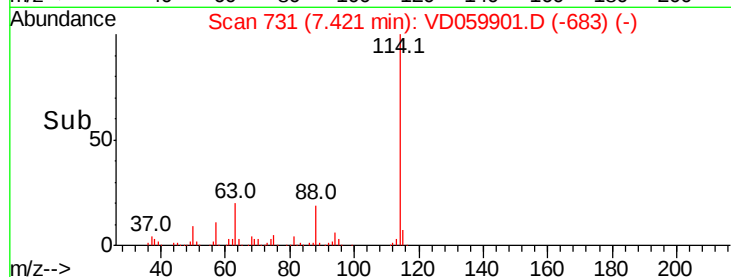
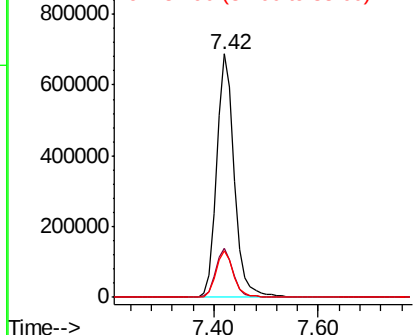
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.42 min Scan# 731
Delta R.T. -0.02 min
Lab File: VD059901.D
Acq: 24 Aug 2018 12:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 1614273
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.4
88 19.2 0.0 37.6

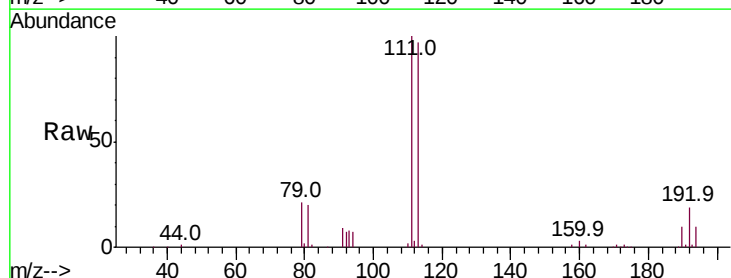


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

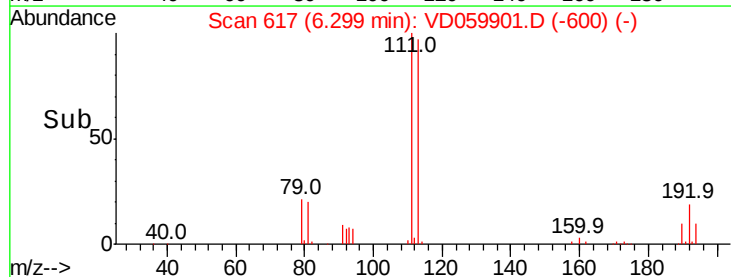
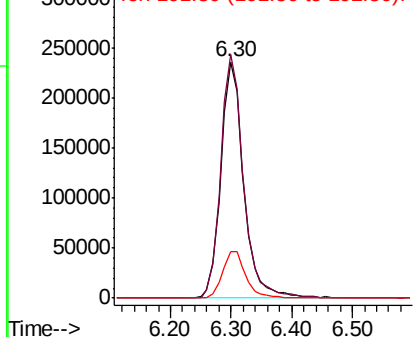


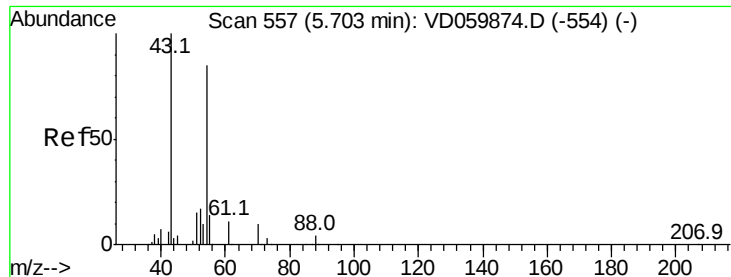
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.30 min Scan# 617
Delta R.T. -0.03 min
Lab File: VD059901.D
Acq: 24 Aug 2018 12:24

Tgt Ion:113 Resp: 617884
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.2
192 19.5 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

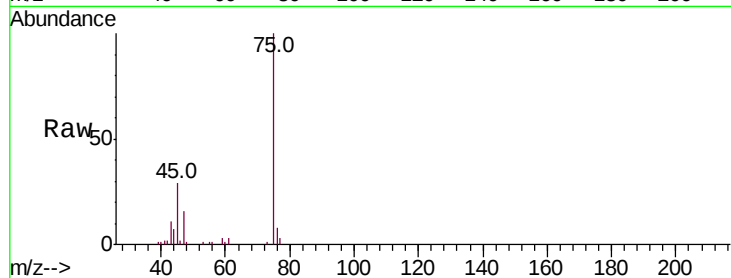




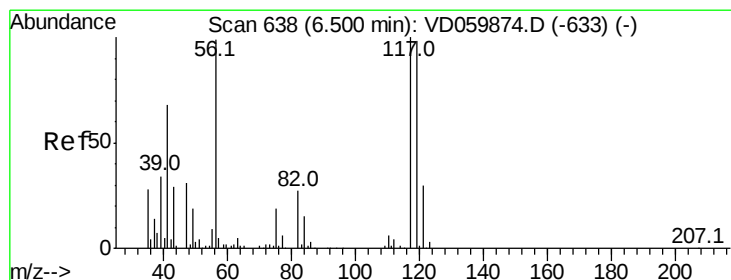
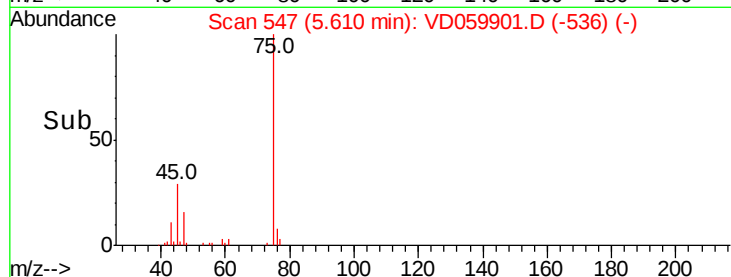
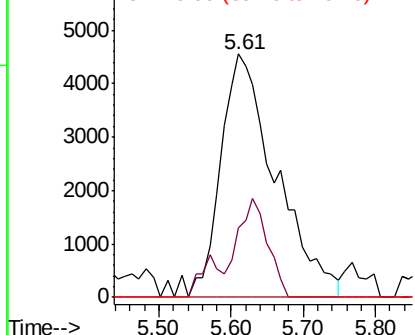
#37
Ethyl Acetate
Concen: 2.115 ug/l
RT: 5.61 min Scan# 547
Delta R.T. -0.09 min
Lab File: VD059901.D
Acq: 24 Aug 2018 12:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 24086
Ion Ratio Lower Upper
43 100
61 28.4 11.0 16.6#
70 0.0 5.7 8.5#

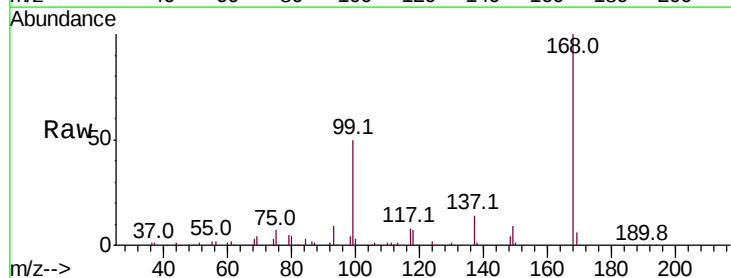


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

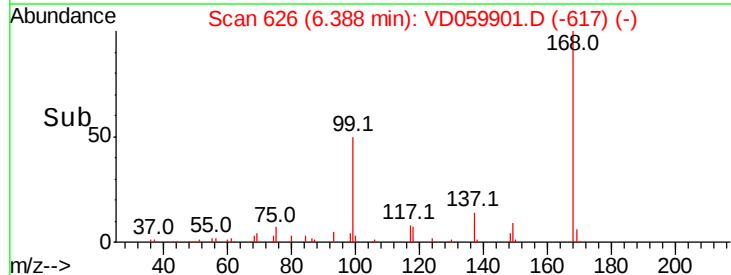
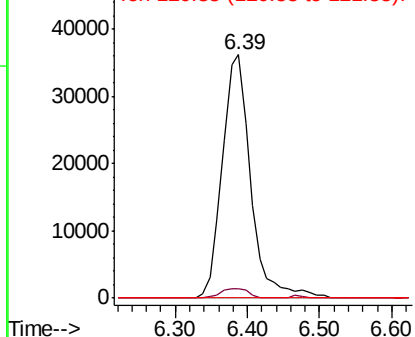


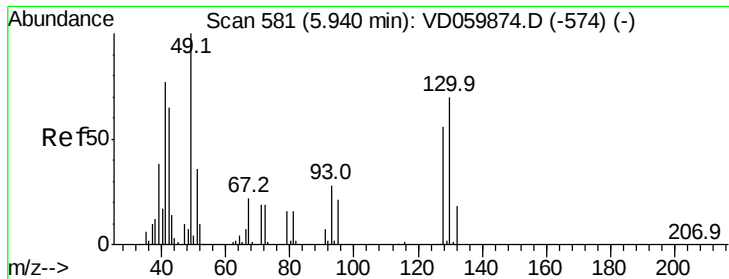
#38
Carbon Tetrachloride
Concen: 6.684 ug/l
RT: 6.39 min Scan# 626
Delta R.T. -0.11 min
Lab File: VD059901.D
Acq: 24 Aug 2018 12:24

Tgt Ion: 117 Resp: 98714
Ion Ratio Lower Upper
117 100
119 3.6 77.2 115.8#
121 0.0 24.0 36.0#



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





#41

Methacrylonitrile

Concen: 1.129 ug/l

RT: 5.92 min Scan# 578

Delta R.T. -0.02 min

Lab File: VD059901.D

Acq: 24 Aug 2018 12:24

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 6476

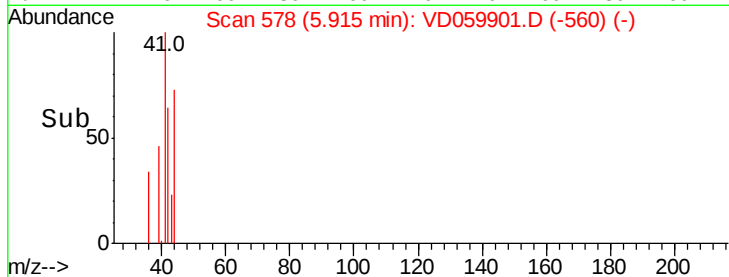
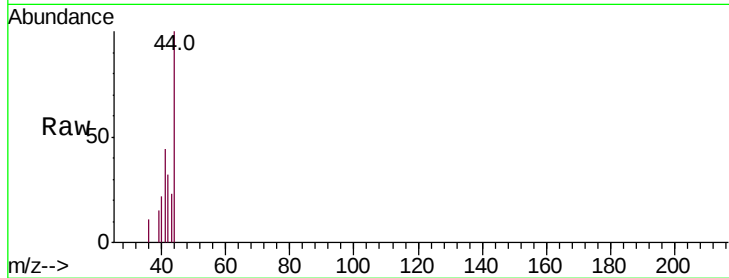
Ion Ratio Lower Upper

41 100

39 34.8 39.4 59.2#

67 0.0 22.2 33.2#

52 0.0 10.1 15.1#

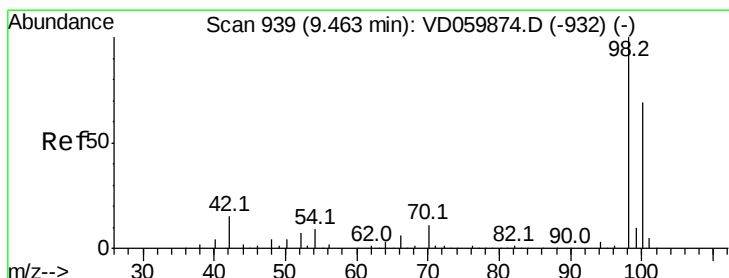
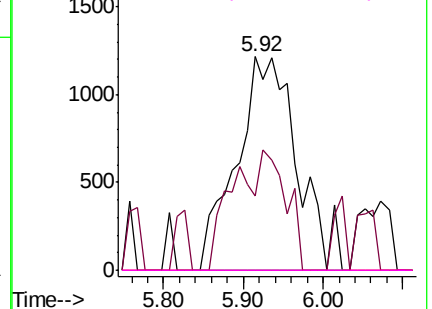


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.02 min

Lab File: VD059901.D

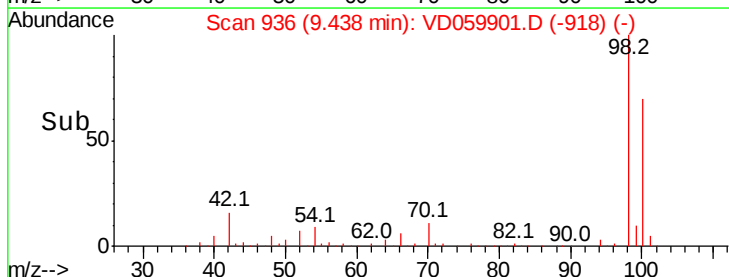
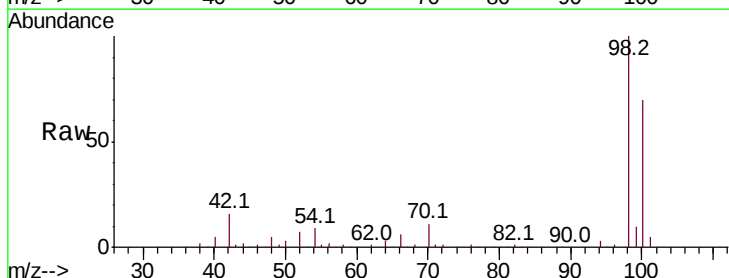
Acq: 24 Aug 2018 12:24

Tgt Ion: 98 Resp: 1692841

Ion Ratio Lower Upper

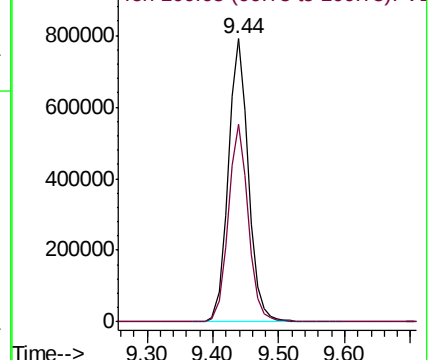
98 100

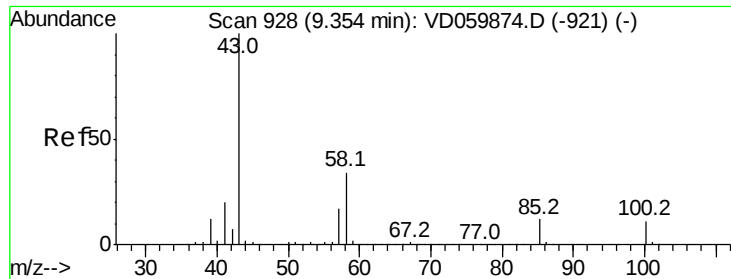
100 69.8 55.8 83.6



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: 1.859 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.03 min

Lab File: VD059901.D

Acq: 24 Aug 2018 12:24

Instrument :

MSVOA_D

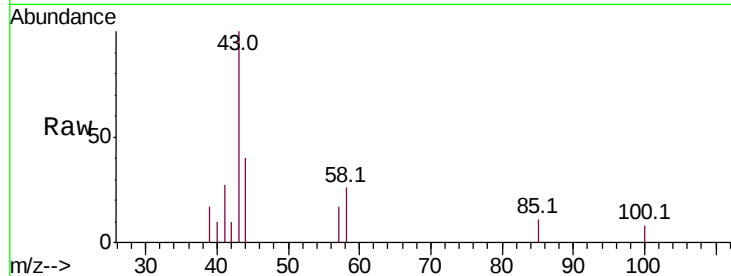
ClientSampleID :

Tot Ion: 43 Resp: 20531

Ion Ratio Lower Upper

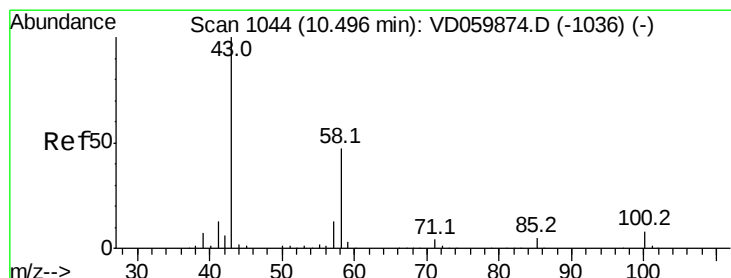
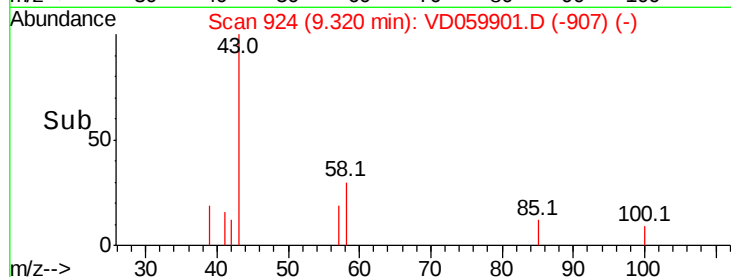
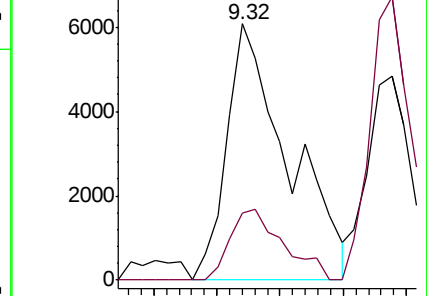
43 100

58 26.2 27.0 40.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#59

2-Hexanone

Concen: 1.155 ug/l

RT: 10.47 min Scan# 1041

Delta R.T. -0.02 min

Lab File: VD059901.D

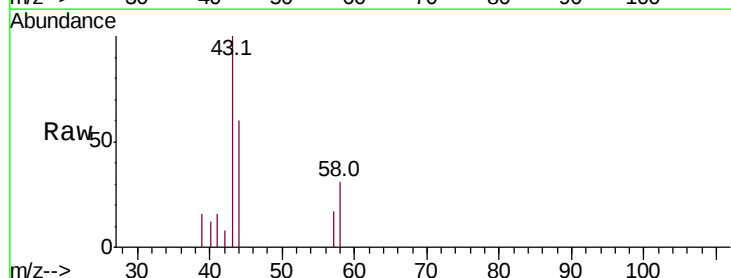
Acq: 24 Aug 2018 12:24

Tgt Ion: 43 Resp: 9406

Ion Ratio Lower Upper

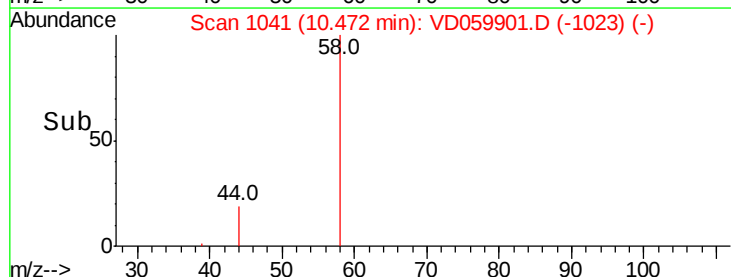
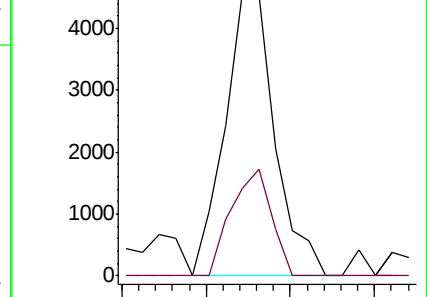
43 100

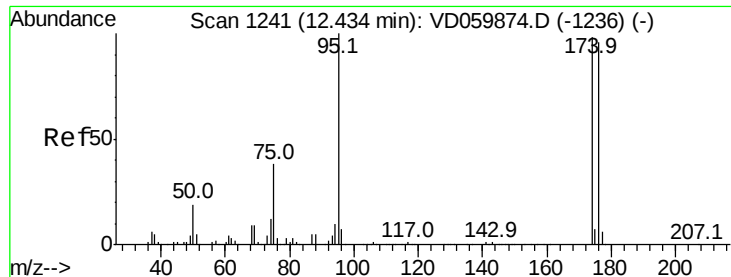
58 31.1 23.3 69.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD059901.D

Acq: 24 Aug 2018 12:24

Instrument :

MSVOA_D

ClientSampleId :

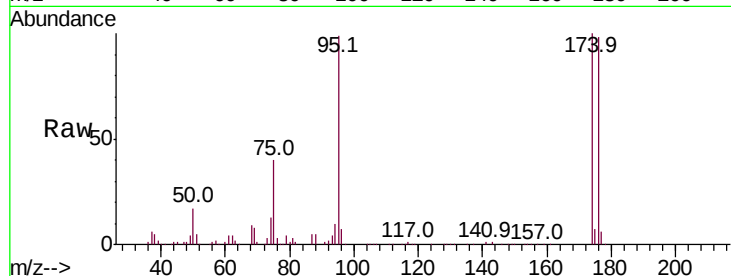
Tot Ion: 95 Resp: 699003

Ion Ratio Lower Upper

95 100

174 101.2 0.0 195.6

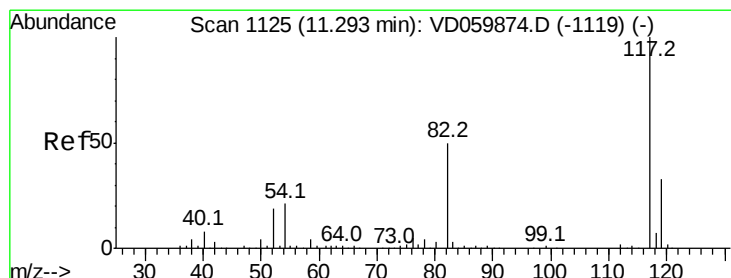
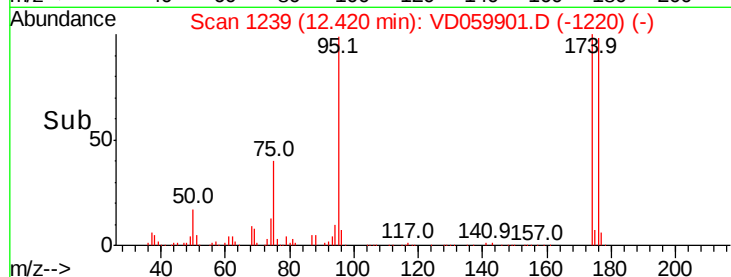
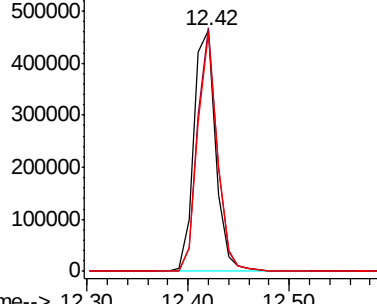
176 98.9 0.0 191.2



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: 11.27 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VD059901.D

Acq: 24 Aug 2018 12:24

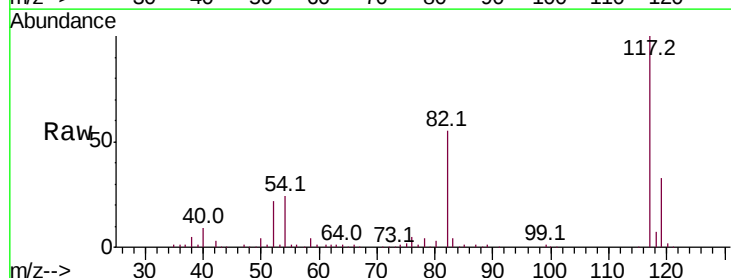
Tgt Ion: 117 Resp: 1382884

Ion Ratio Lower Upper

117 100

82 55.4 40.1 60.1

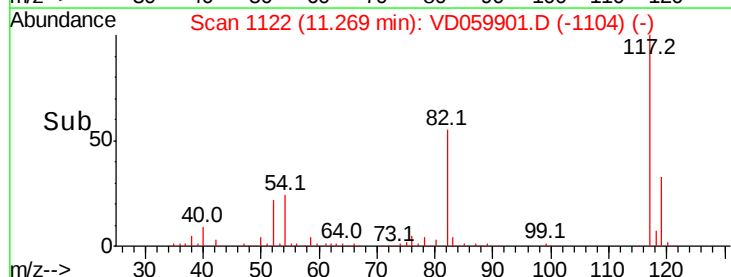
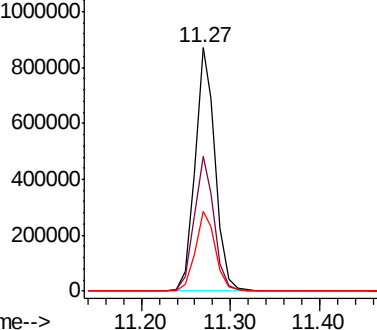
119 32.8 26.7 40.1

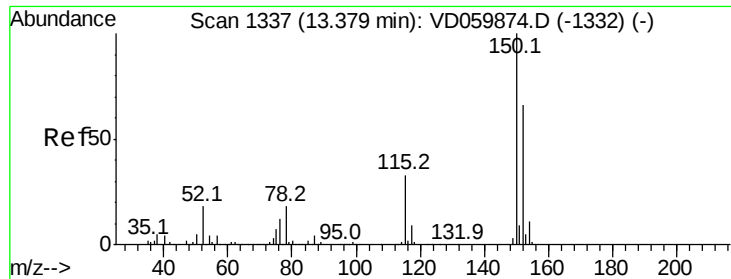


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



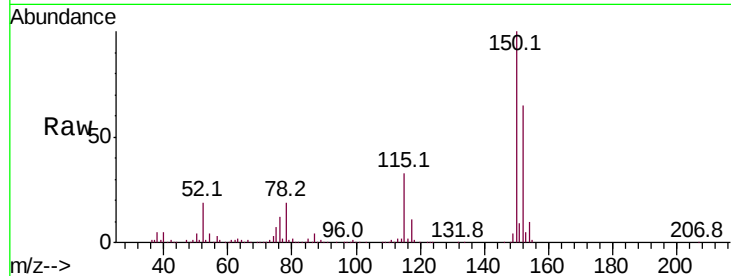


#72

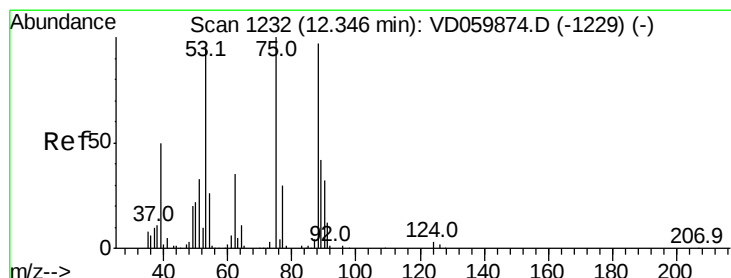
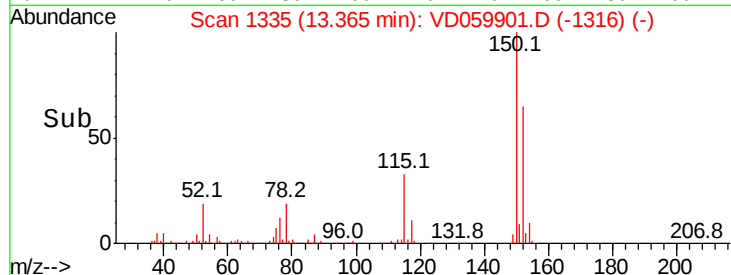
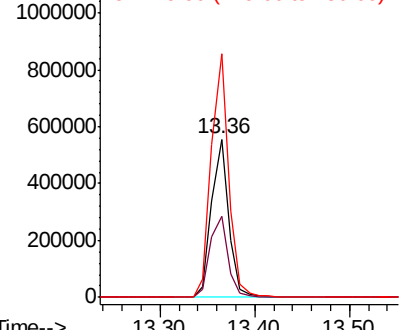
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VD059901.D
Acq: 24 Aug 2018 12:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 701970
Ion Ratio Lower Upper
152 100
115 51.3 25.7 77.0
150 154.2 0.0 310.2



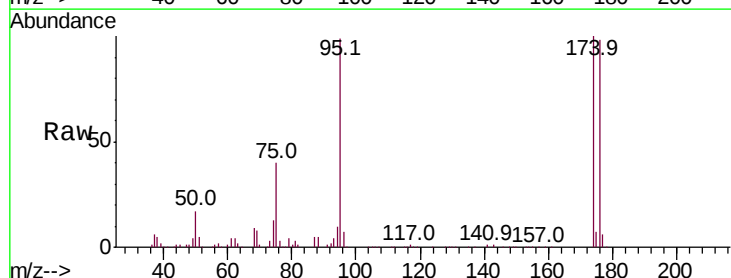
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 85.638 ug/l
RT: 12.42 min Scan# 1239
Delta R.T. 0.07 min
Lab File: VD059901.D
Acq: 24 Aug 2018 12:24

Tgt Ion: 75 Resp: 290635
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.6#
89 0.0 33.6 50.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

