

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
 Data File : VD059919.D
 Acq On : 27 Aug 2018 17:03
 Operator : JC/SY
 Sample : J4646-9
 Misc : 5.44g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

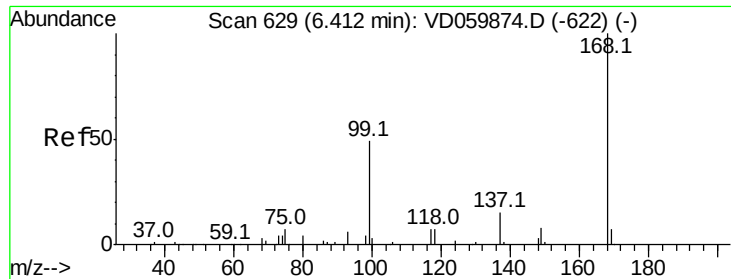
Quant Time: Aug 27 17:33:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1142715	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1624387	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1309077	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	673268	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	475361	49.36	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	98.72%	
35) Dibromofluoromethane	6.30	113	565692	44.42	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	88.84%	
50) Toluene-d8	9.44	98	1514467	42.85	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	85.70%	
62) 4-Bromofluorobenzene	12.42	95	613053	42.71	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	85.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.93	56	609	1.911	ug/l #	25
16) Acetone	3.12	43	47488	27.063	ug/l	93
20) Methylene Chloride	3.69	84	66852	2.146	ug/l	94
25) 2-Butanone	5.60	43	6869	1.322	ug/l #	63
29) Tetrahydrofuran	5.93	42	4570	1.847	ug/l #	84
31) Cyclohexane	6.38	56	25819	1.408	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	85137	5.782	ug/l #	46
38) Carbon Tetrachloride	6.38	117	94331	6.348	ug/l #	15
52) Toluene	9.54	92	50644	2.063	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.42	75	253193	77.785	ug/l #	12
89) n-Butylbenzene	13.64	91	843	Below Cal	#	41

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.03 min

Lab File: VD059919.D

Acq: 27 Aug 2018 17:03

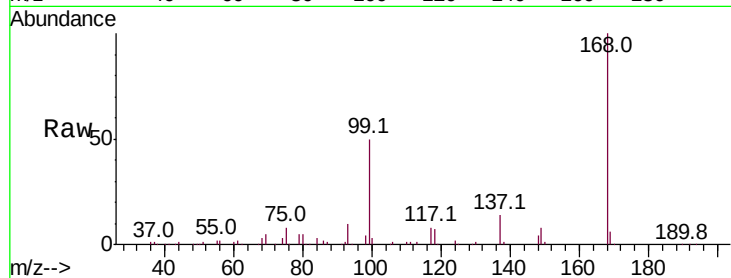
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 1142715

Ion Ratio Lower Upper

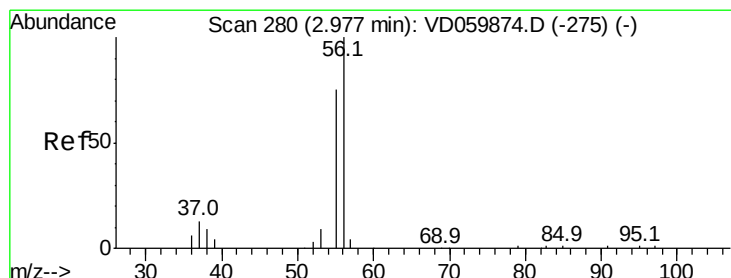
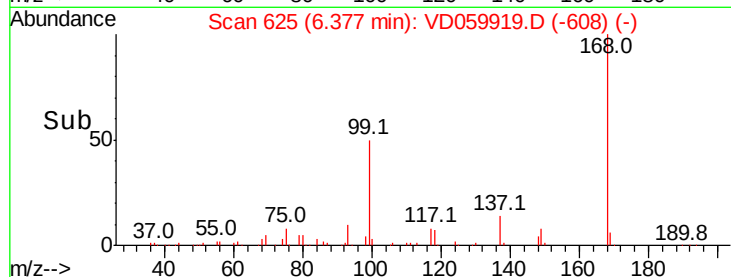
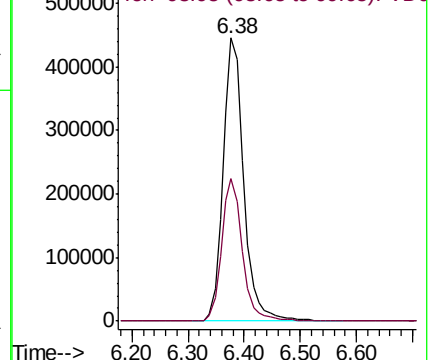
168 100

99 50.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#13

Acrolein

Concen: 1.911 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.04 min

Lab File: VD059919.D

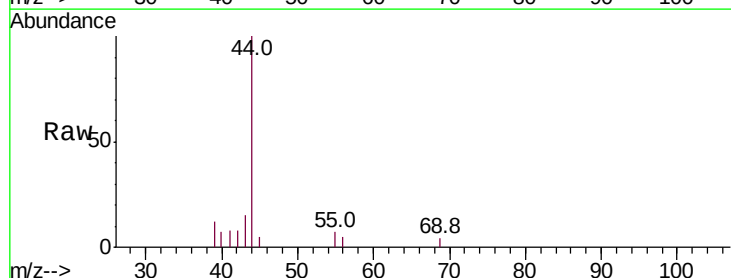
Acq: 27 Aug 2018 17:03

Tgt Ion: 56 Resp: 609

Ion Ratio Lower Upper

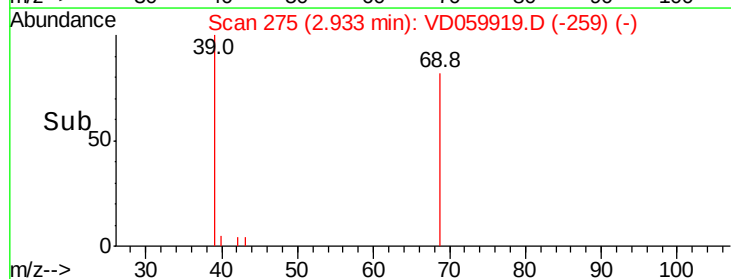
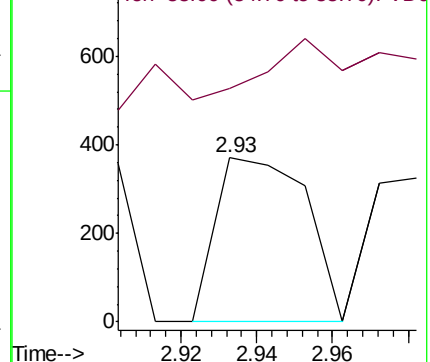
56 100

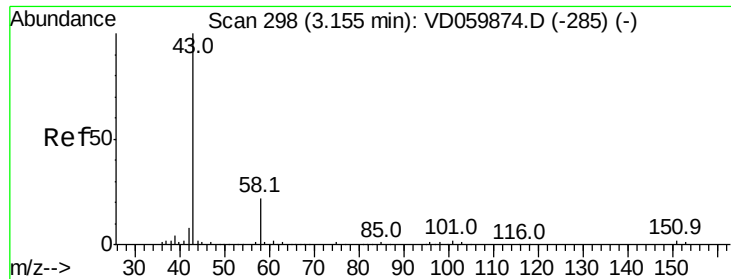
55 142.4 61.9 92.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 27.063 ug/l

RT: 3.12 min Scan# 294

Delta R.T. -0.03 min

Lab File: VD059919.D

Acq: 27 Aug 2018 17:03

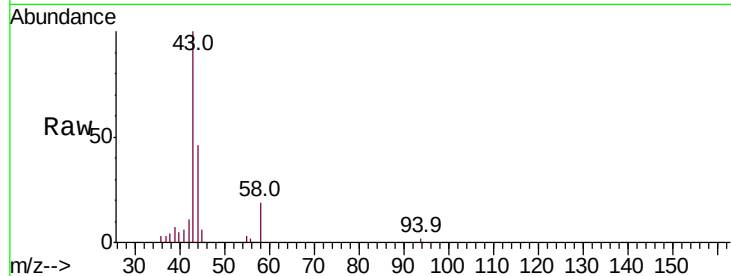
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 47488

Ion Ratio Lower Upper

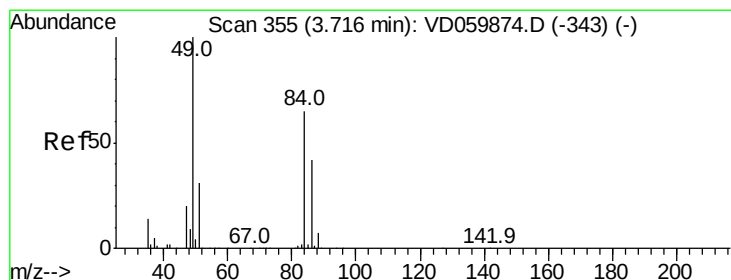
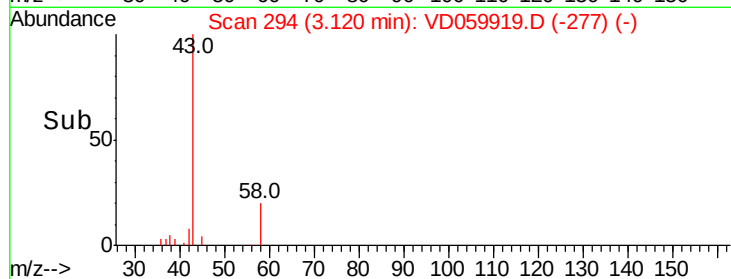
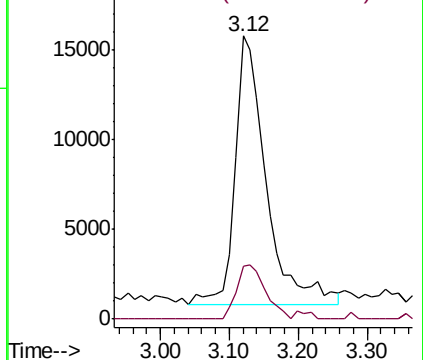
43 100

58 18.6 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: 2.146 ug/l

RT: 3.69 min Scan# 352

Delta R.T. -0.02 min

Lab File: VD059919.D

Acq: 27 Aug 2018 17:03

Tgt Ion: 84 Resp: 66852

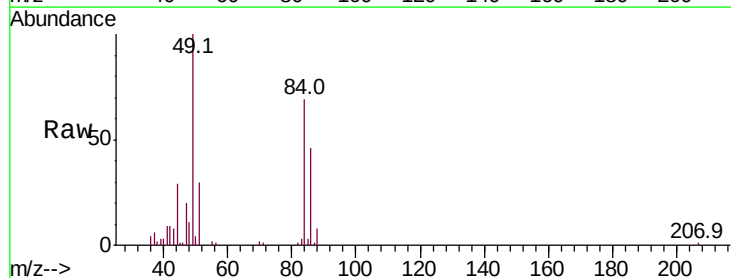
Ion Ratio Lower Upper

84 100

49 145.3 122.6 183.8

51 43.3 38.4 57.6

86 67.0 51.5 77.3

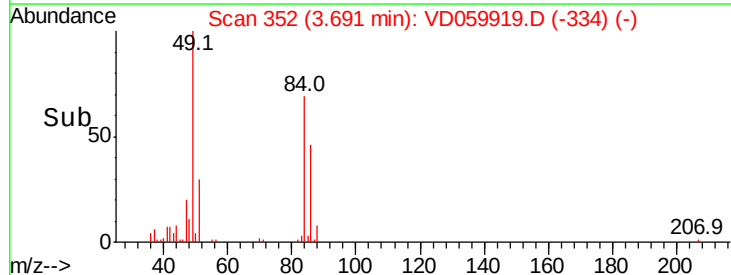
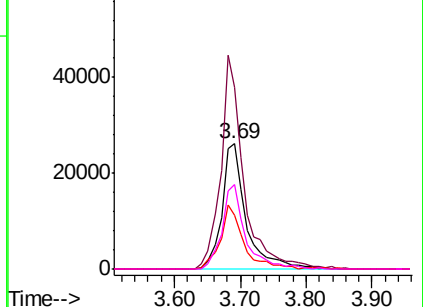


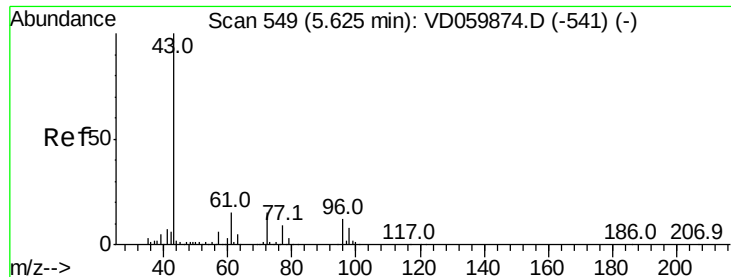
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.322 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.02 min

Lab File: VD059919.D

Acq: 27 Aug 2018 17:03

Instrument :

MSVOA_D

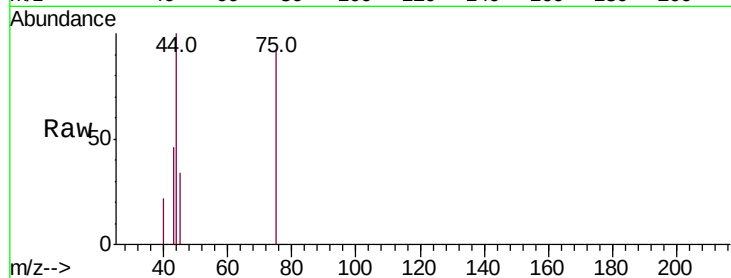
ClientSampleId :

Tot Ion: 43 Resp: 6869

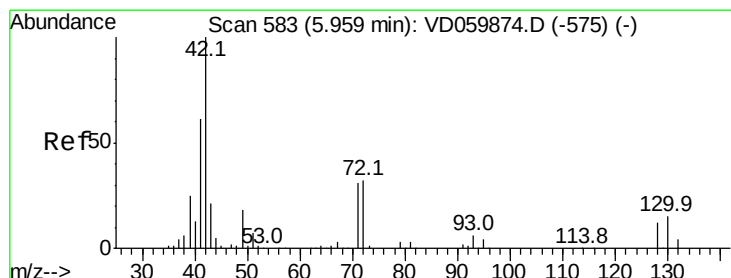
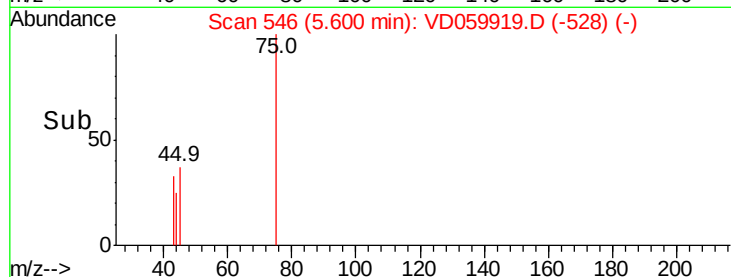
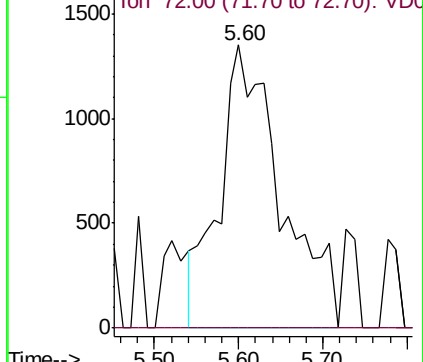
Ion Ratio Lower Upper

43 100

72 0.0 12.3 18.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC



#29

Tetrahydrofuran

Concen: 1.847 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD059919.D

Acq: 27 Aug 2018 17:03

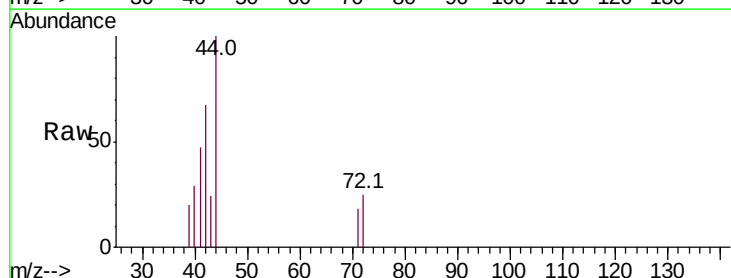
Tgt Ion: 42 Resp: 4570

Ion Ratio Lower Upper

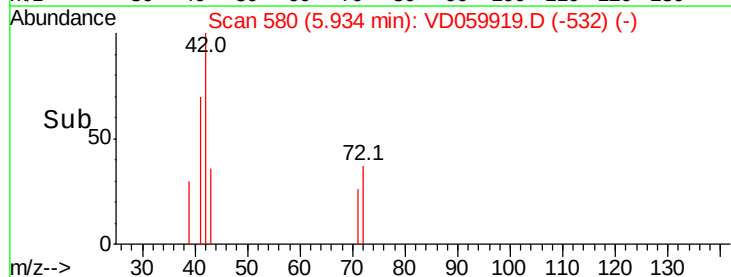
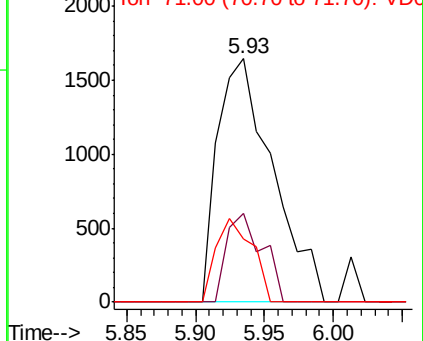
42 100

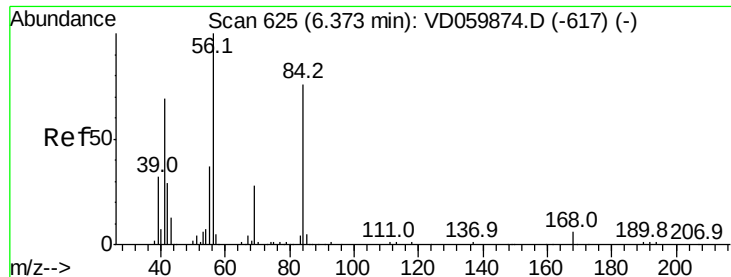
72 23.7 25.7 38.5#

71 22.5 25.3 37.9#



Abundance Ion 42.00 (41.70 to 42.70): VDC

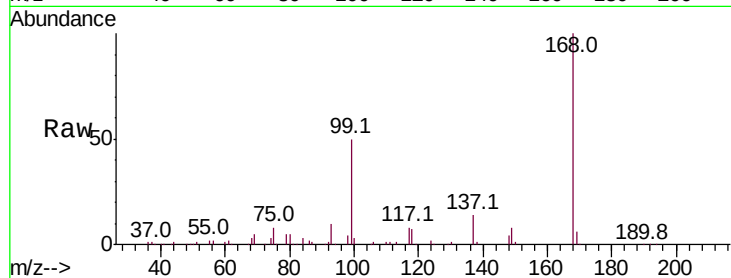




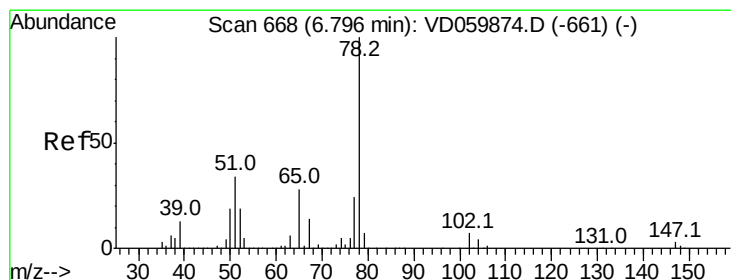
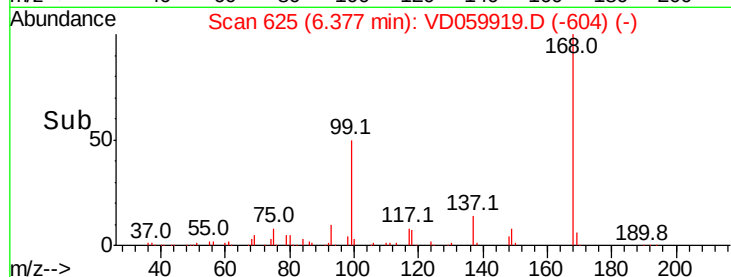
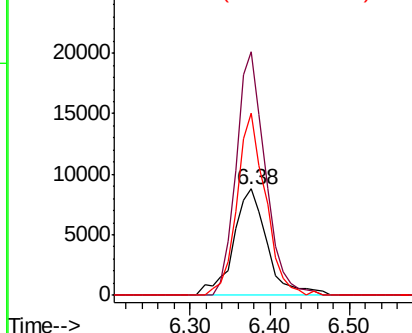
#31
Cyclohexane
Concen: 1.408 ug/l
RT: 6.38 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD059919.D
Acq: 27 Aug 2018 17:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 25819
Ion Ratio Lower Upper
56 100
69 229.2 22.4 33.6#
84 172.1 62.1 93.1#

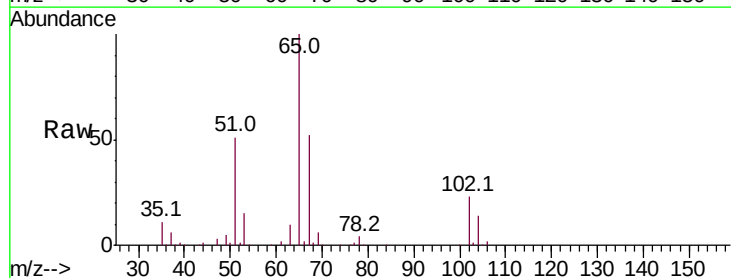


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

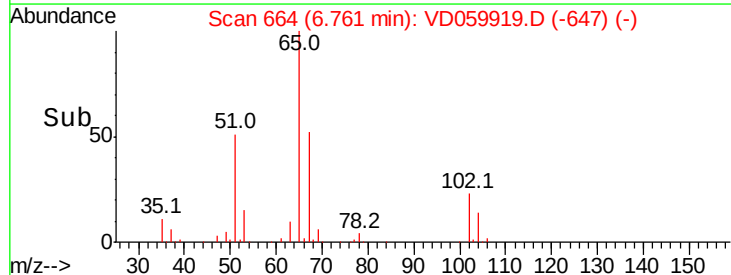
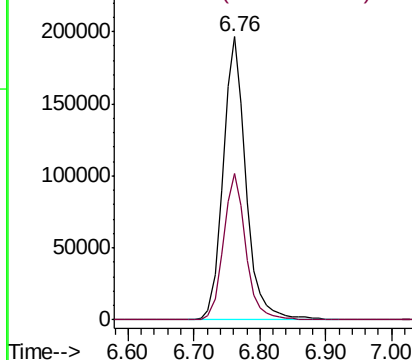


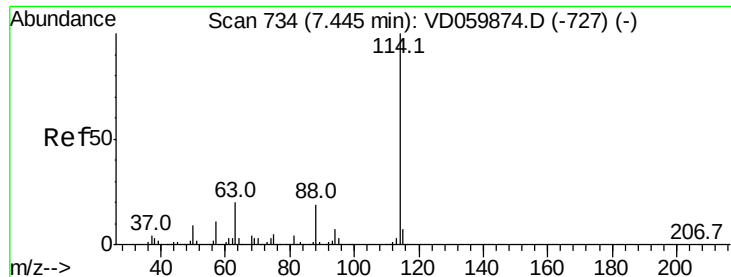
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.76 min Scan# 664
Delta R.T. -0.03 min
Lab File: VD059919.D
Acq: 27 Aug 2018 17:03

Tgt Ion: 65 Resp: 475361
Ion Ratio Lower Upper
65 100
67 51.8 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: VD059919.D

Acq: 27 Aug 2018 17:03

Instrument :

MSVOA_D

ClientSampleId :

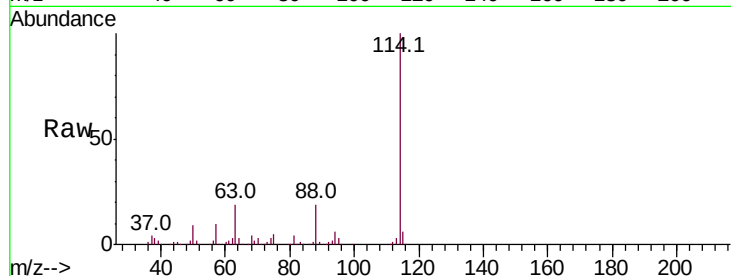
Tot Ion:114 Resp: 1624387

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.4

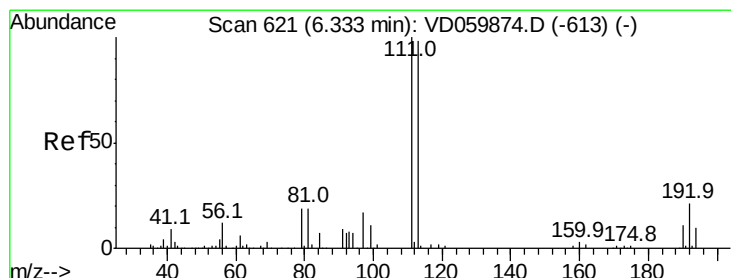
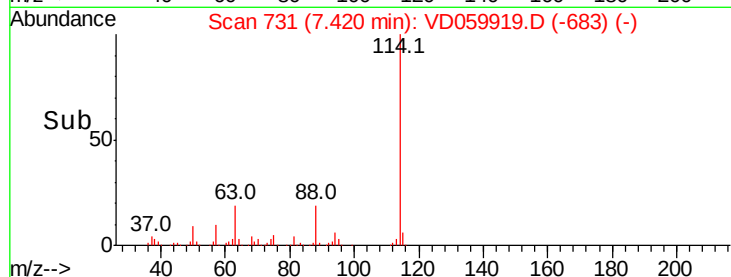
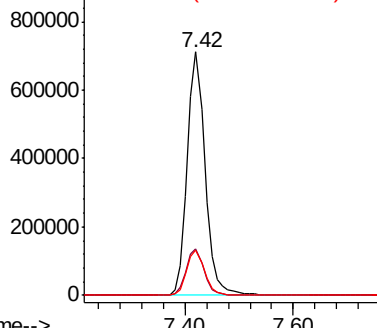
88 18.7 0.0 37.6



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: 6.30 min Scan# 617

Delta R.T. -0.03 min

Lab File: VD059919.D

Acq: 27 Aug 2018 17:03

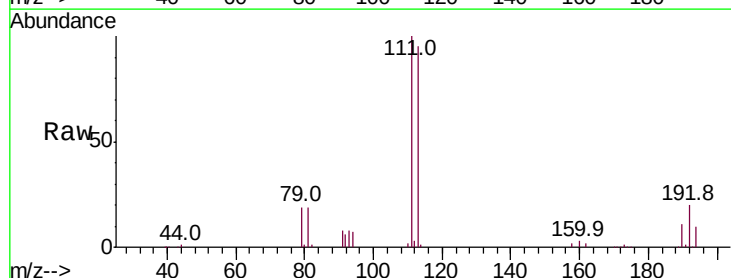
Tgt Ion:113 Resp: 565692

Ion Ratio Lower Upper

113 100

111 105.7 81.4 122.2

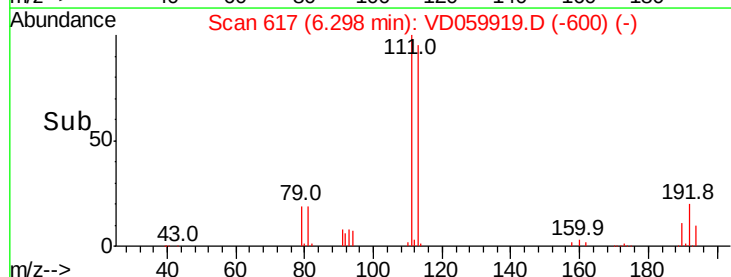
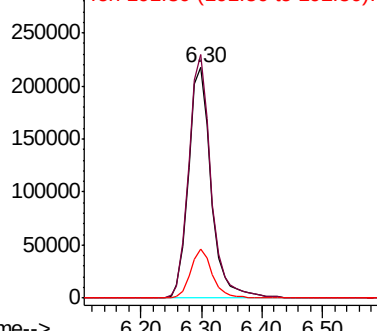
192 21.5 17.0 25.6

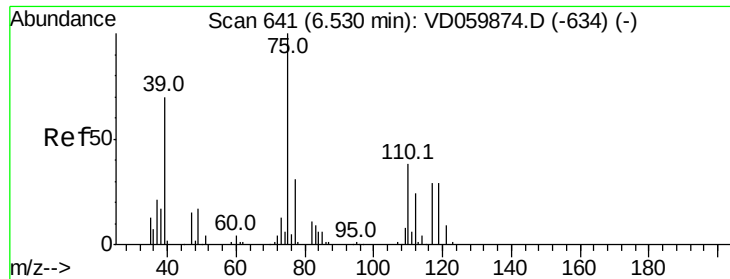


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

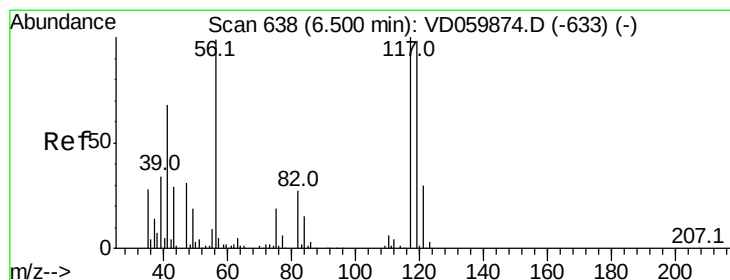
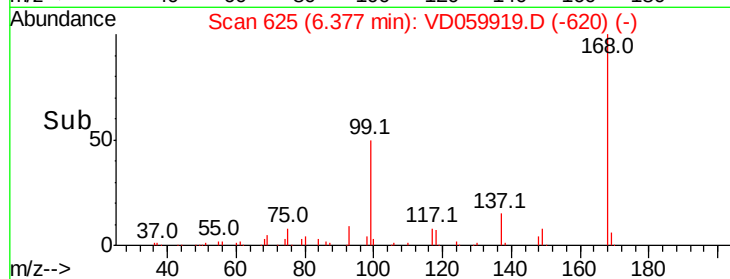
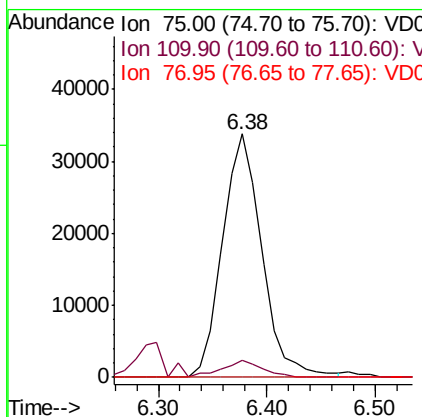
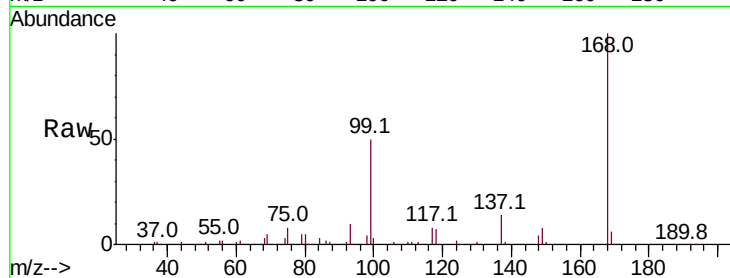




#36
 1,1-Dichloropropene
 Concen: 5.782 ug/l
 RT: 6.38 min Scan# 625
 Delta R.T. -0.15 min
 Lab File: VD059919.D
 Acq: 27 Aug 2018 17:03

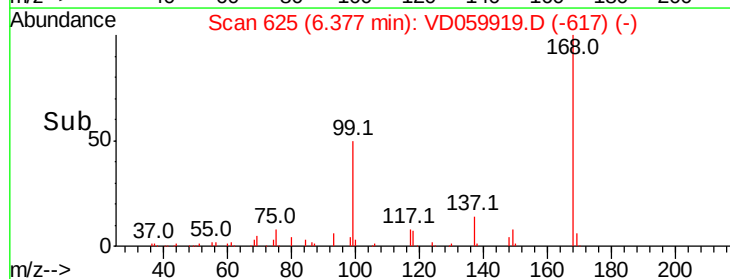
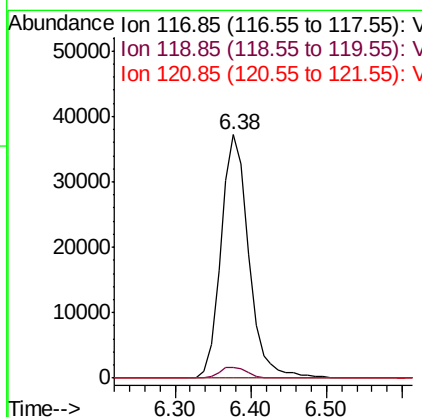
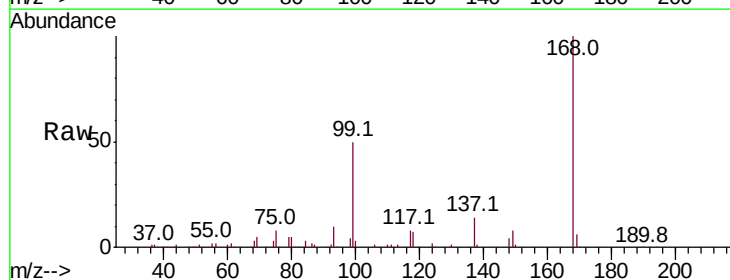
Instrument :
 MSVOA_D
 ClientSampleId :

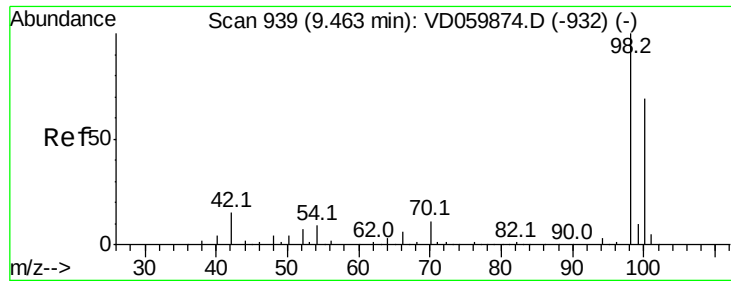
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.8	18.6	56.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.348 ug/l
 RT: 6.38 min Scan# 625
 Delta R.T. -0.12 min
 Lab File: VD059919.D
 Acq: 27 Aug 2018 17:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	77.2	115.8#
121	0.0	24.0	36.0#

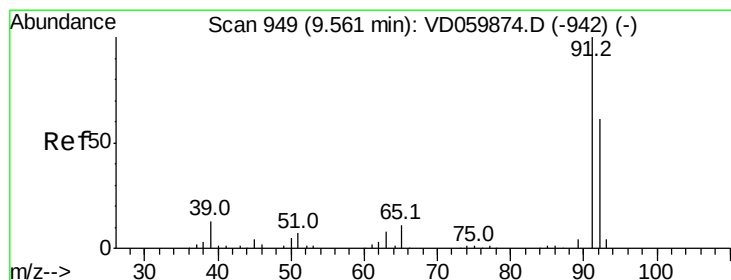
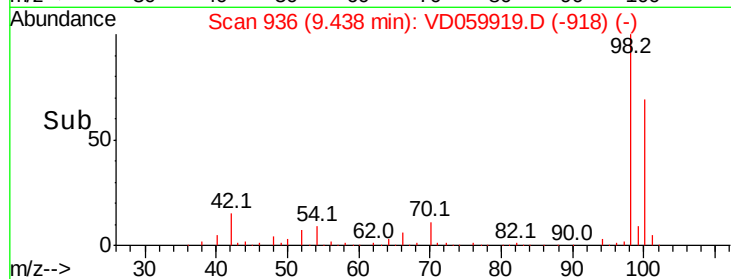
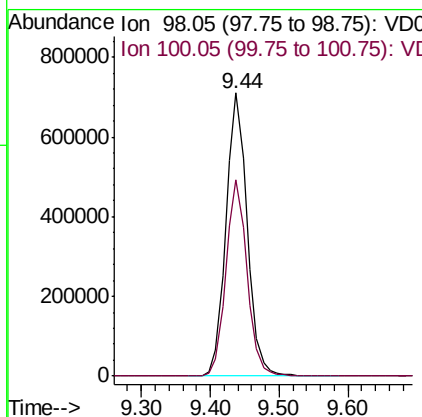
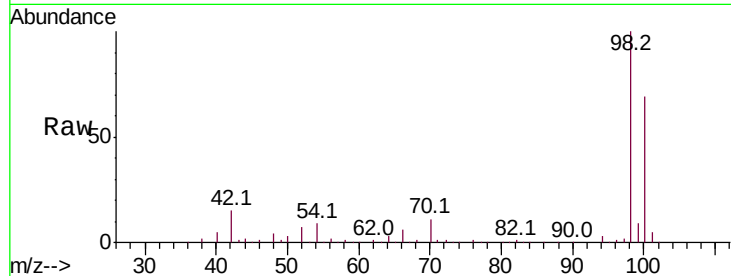




#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 936
Delta R.T. -0.02 min
Lab File: VD059919.D
Acq: 27 Aug 2018 17:03

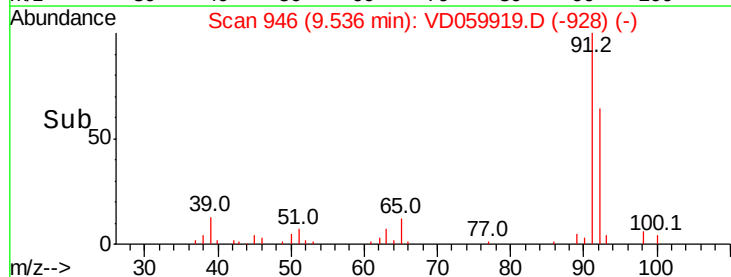
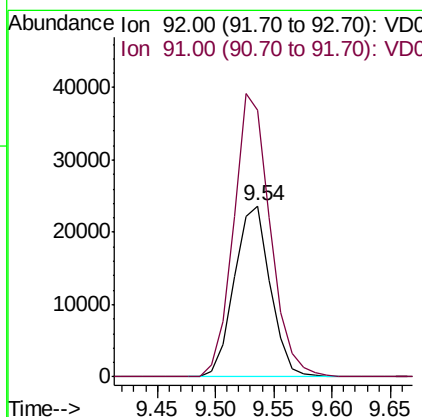
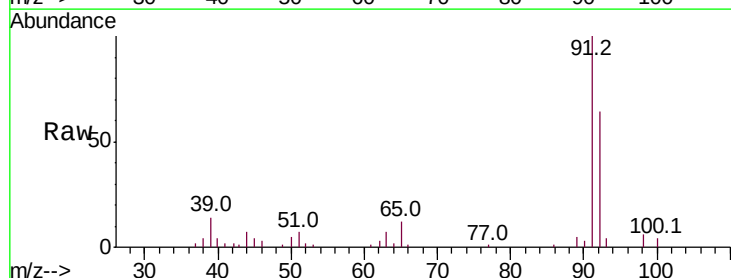
Instrument :
MSVOA_D
ClientSampleId :

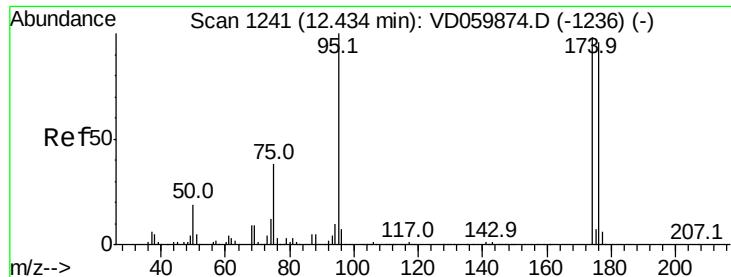
Tot Ion: 98 Resp: 1514467
Ion Ratio Lower Upper
98 100
100 69.5 55.8 83.6



#52
Toluene
Concen: 2.063 ug/l
RT: 9.54 min Scan# 946
Delta R.T. -0.02 min
Lab File: VD059919.D
Acq: 27 Aug 2018 17:03

Tgt Ion: 92 Resp: 50644
Ion Ratio Lower Upper
92 100
91 156.1 131.4 197.2





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD059919.D

Acq: 27 Aug 2018 17:03

Instrument :

MSVOA_D

ClientSampled :

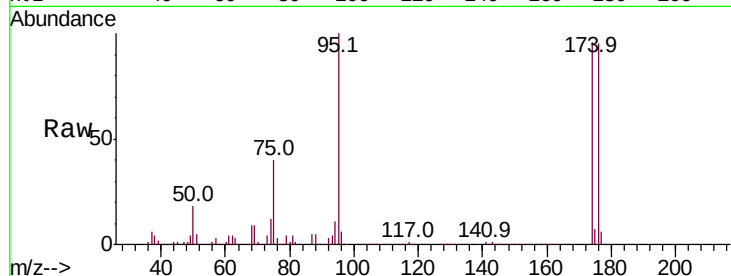
Tot Ion: 95 Resp: 613053

Ion Ratio Lower Upper

95 100

174 96.4 0.0 195.6

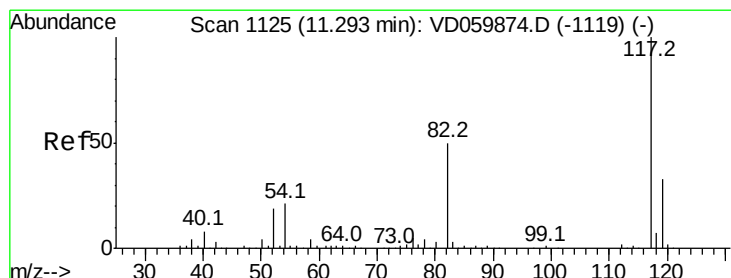
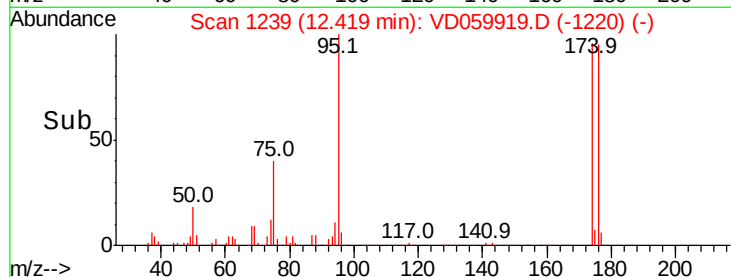
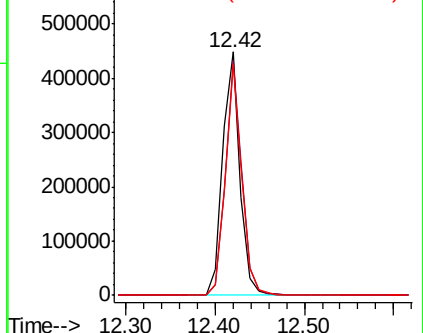
176 94.8 0.0 191.2



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: VD059919.D

Acq: 27 Aug 2018 17:03

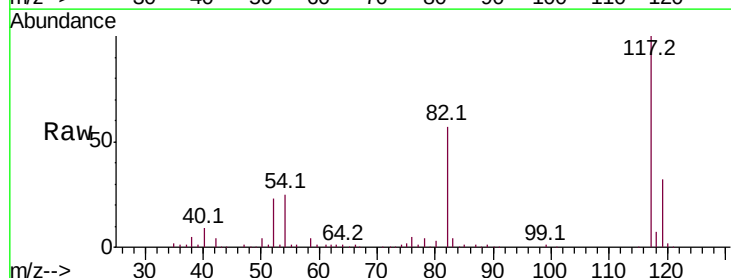
Tgt Ion: 117 Resp: 1309077

Ion Ratio Lower Upper

117 100

82 57.1 40.1 60.1

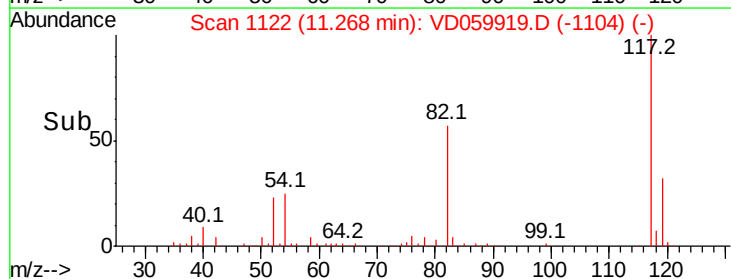
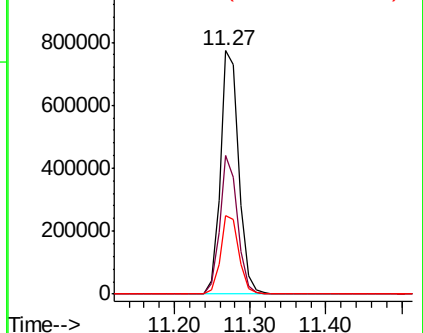
119 32.1 26.7 40.1

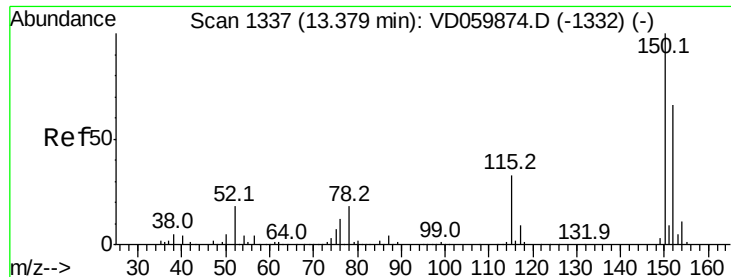


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



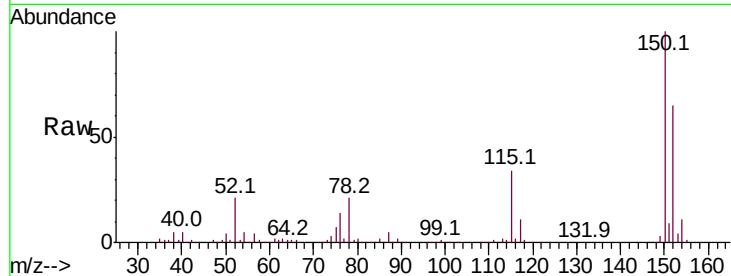


#72

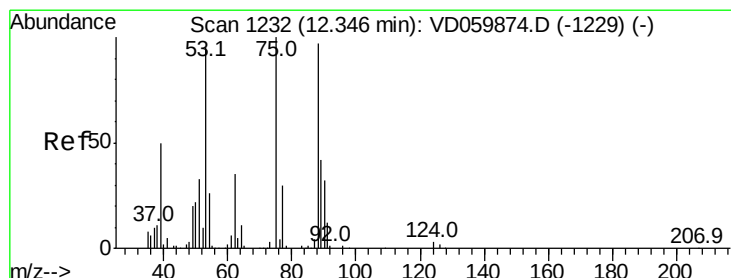
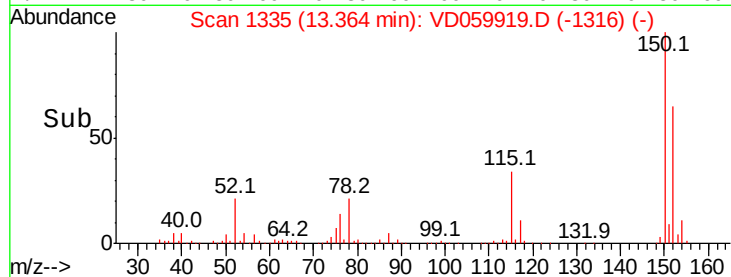
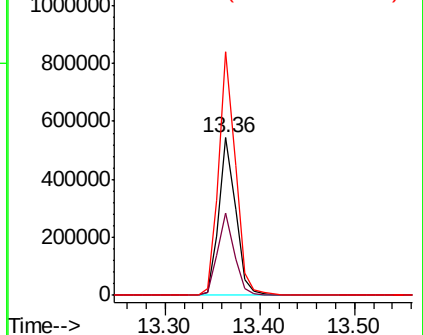
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VD059919.D
Acq: 27 Aug 2018 17:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 673268
Ion Ratio Lower Upper
152 100
115 52.6 25.7 77.0
150 154.6 0.0 310.2



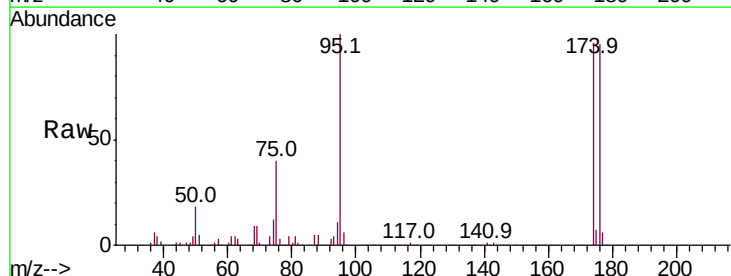
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 77.785 ug/l
RT: 12.42 min Scan# 1239
Delta R.T. 0.07 min
Lab File: VD059919.D
Acq: 27 Aug 2018 17:03

Tgt Ion: 75 Resp: 253193
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

