

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080319\
 Data File : VD063367.D
 Acq On : 3 Aug 2019 17:50
 Operator : VA/AP
 Sample : K4135-04
 Misc : 6.77g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-A3-(0-1)

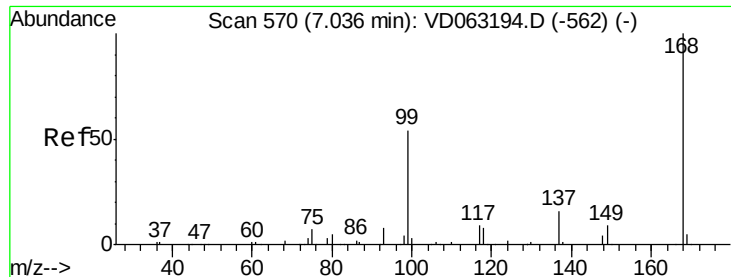
Quant Time: Aug 04 06:08:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	670683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	942220	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	592810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	161794	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	412418	55.42	ug/l	0.02
Spiked Amount			Recovery	=	110.84%	
35) Dibromofluoromethane	6.93	113	460652	57.26	ug/l	0.02
Spiked Amount			Recovery	=	114.52%	
50) Toluene-d8	10.41	98	755179	41.95	ug/l	0.00
Spiked Amount			Recovery	=	83.90%	
62) 4-Bromofluorobenzene	13.55	95	233258	28.43	ug/l	0.00
Spiked Amount			Recovery	=	56.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.12	94	4747	1.427	ug/l #	13
11) Tert butyl alcohol	4.05	59	1584	4.850	ug/l #	69
13) Acrolein	3.02	56	731	2.326	ug/l #	77
16) Acetone	3.23	43	67898	46.827	ug/l	98
20) Methylene Chloride	3.82	84	12816	2.187	ug/l	93
25) 2-Butanone	6.08	43	22851	15.703	ug/l	94
31) Cyclohexane	7.05	56	15405	2.324	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	53968	6.276	ug/l #	60
37) Ethyl Acetate	6.16	43	6701	1.735	ug/l #	12
38) Carbon Tetrachloride	7.05	117	66604	5.145	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	104641	193.913	ug/l #	3

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063367.D

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Instrument :

MSVOA_D

ClientSampleId :

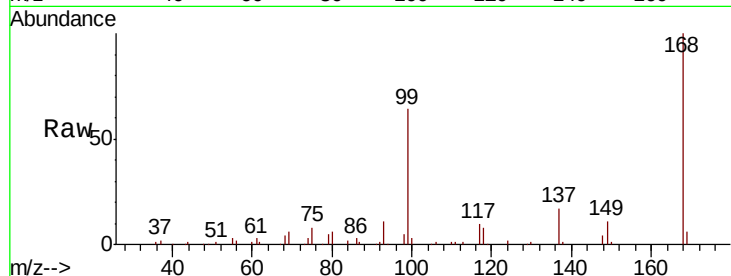
1S-A3-(0-1)

Tgt Ion:168 Resp: 670683

Ion Ratio Lower Upper

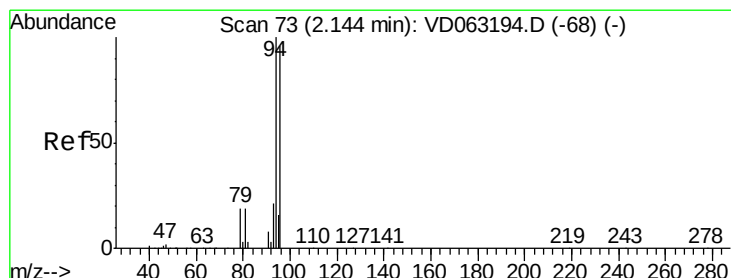
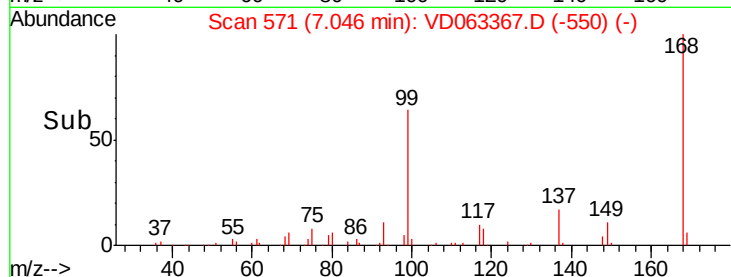
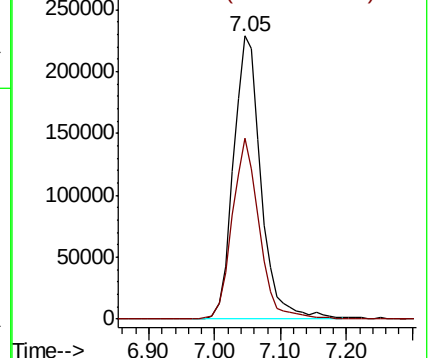
168 100

99 63.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.427 ug/l

RT: 2.12 min Scan# 71

Delta R.T. -0.02 min

Lab File: VD063367.D

Acq: 3 Aug 2019 17:50

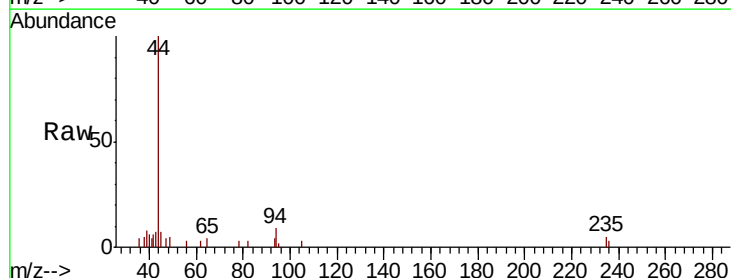
Tgt Ion: 94 Resp: 4747

Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#

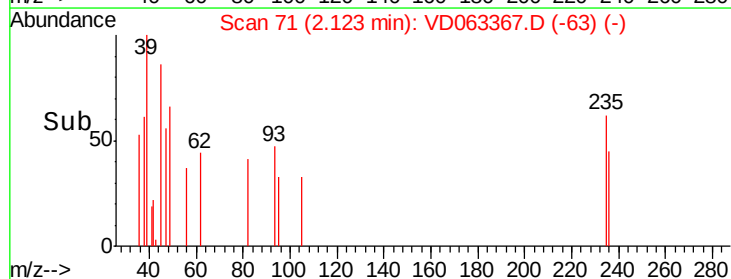
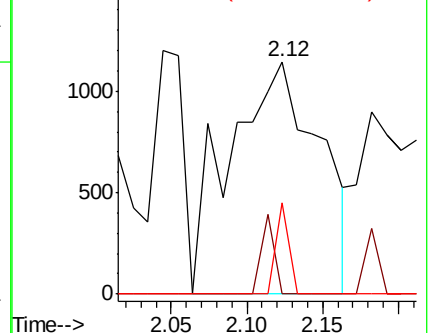
93 39.1 17.3 25.9#

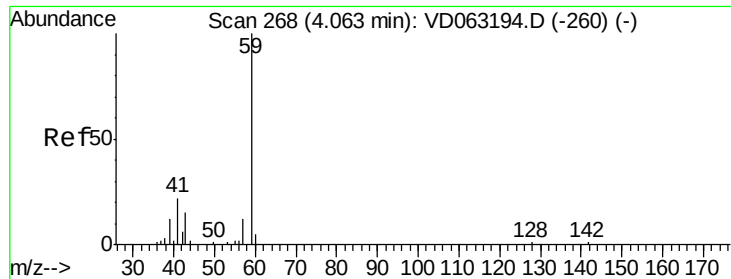


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

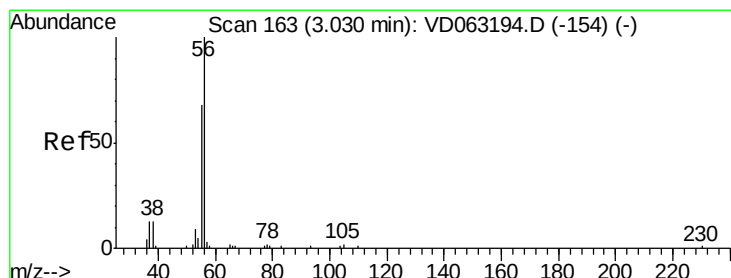
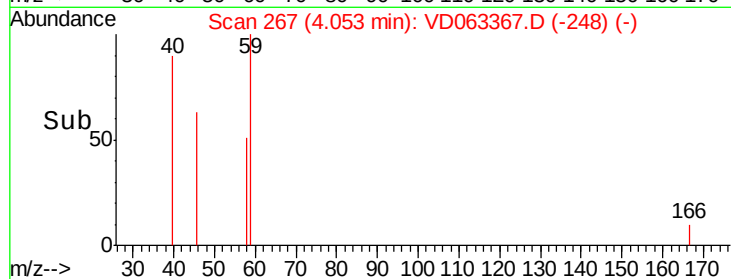
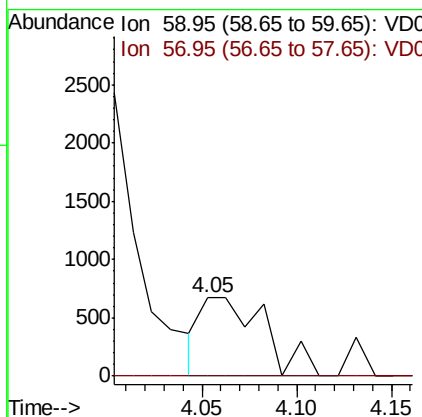
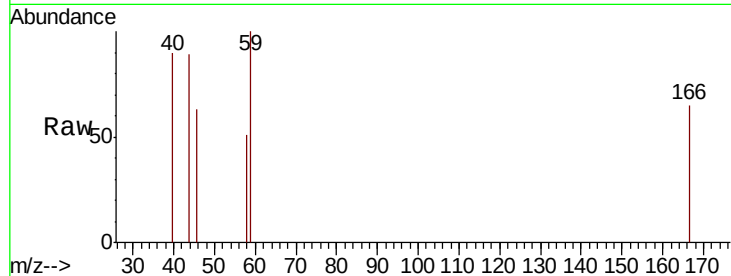




#11
Tert butyl alcohol
Concen: 4.850 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD063367.D
Acq: 3 Aug 2019 17:50

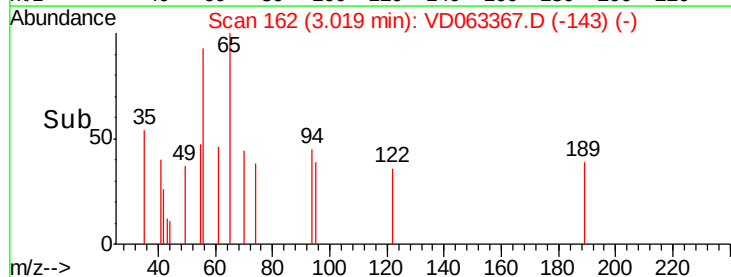
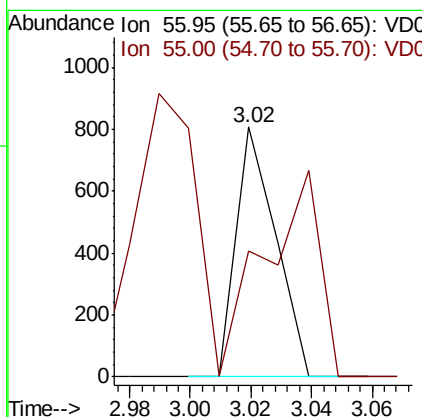
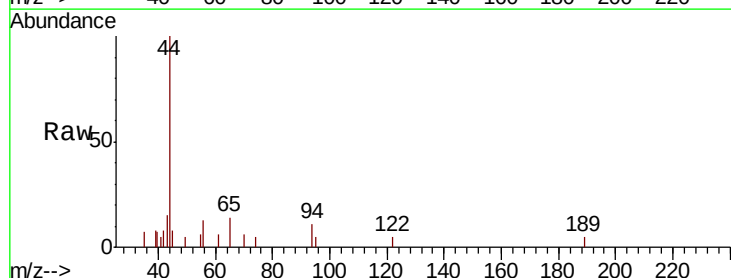
Instrument :
MSVOA_D
ClientSampled :
1S-A3-(0-1)

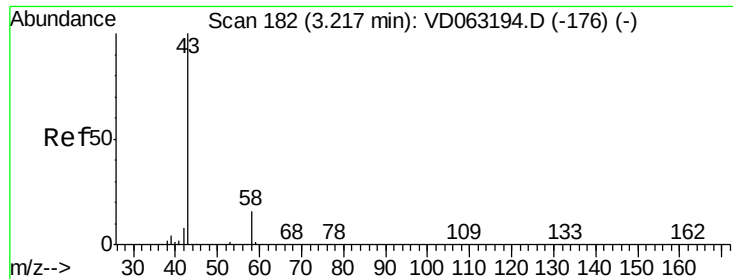
Tgt Ion: 59 Resp: 1584
Ion Ratio Lower Upper
59 100
57 0.0 9.6 14.4#



#13
Acrolein
Concen: 2.326 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.01 min
Lab File: VD063367.D
Acq: 3 Aug 2019 17:50

Tgt Ion: 56 Resp: 731
Ion Ratio Lower Upper
56 100
55 50.7 55.3 82.9#





#16

Acetone

Concen: 46.827 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063367.D

Acq: 3 Aug 2019 17:50

Instrument :

MSVOA_D

ClientSampled :

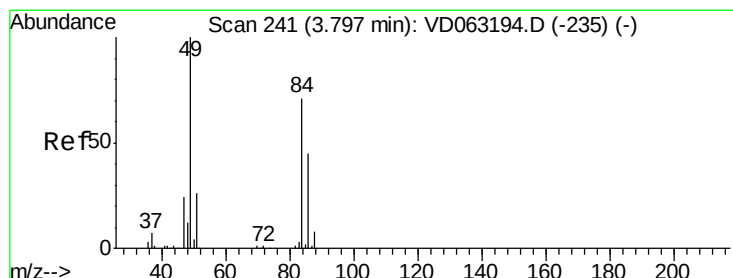
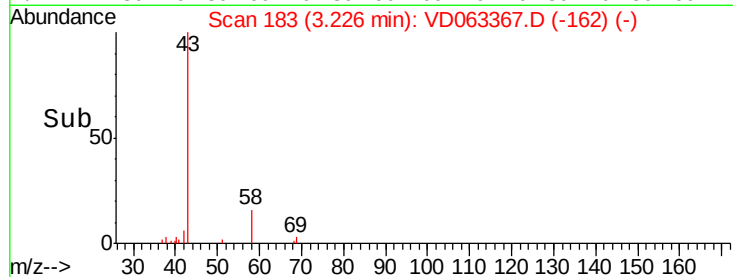
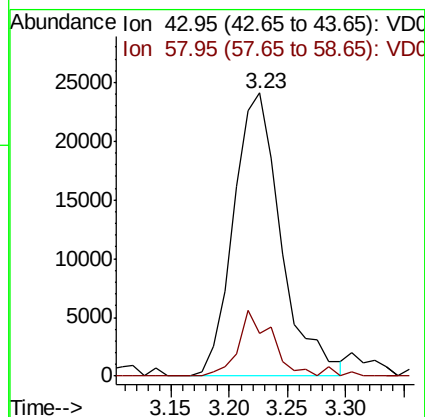
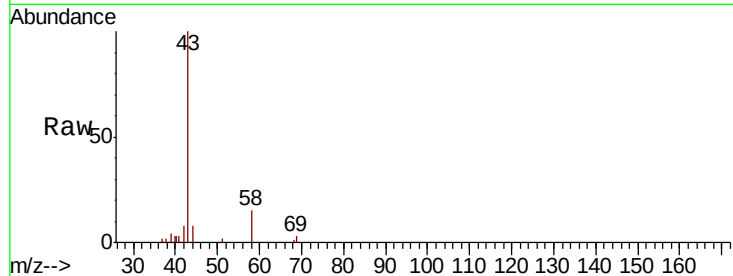
1S-A3-(0-1)

Tgt Ion: 43 Resp: 67898

Ion Ratio Lower Upper

43 100

58 15.3 13.0 19.4



#20

Methylene Chloride

Concen: 2.187 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD063367.D

Acq: 3 Aug 2019 17:50

Tgt Ion: 84 Resp: 12816

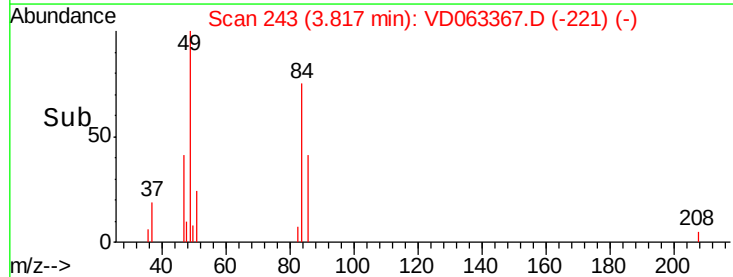
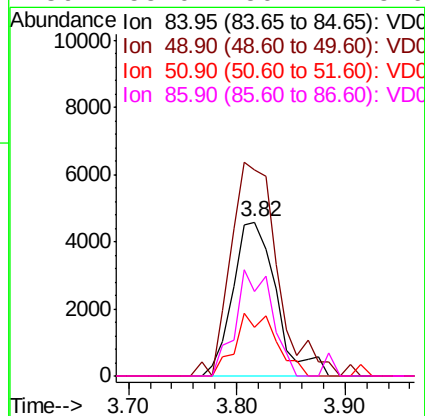
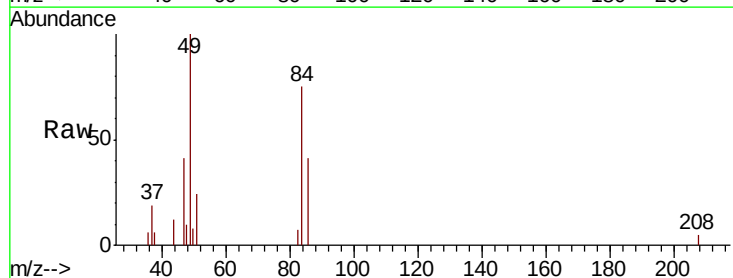
Ion Ratio Lower Upper

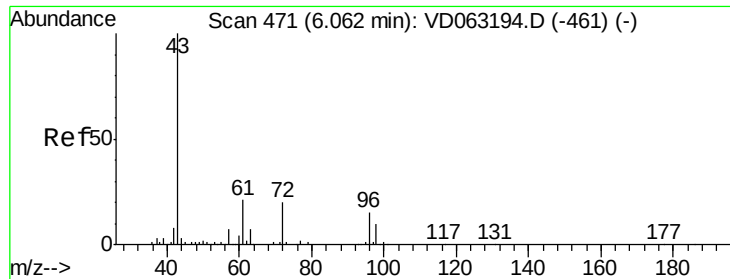
84 100

49 133.5 112.5 168.7

51 31.8 29.6 44.4

86 55.0 50.4 75.6





#25

2-Butanone

Concen: 15.703 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063367.D

Acq: 3 Aug 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

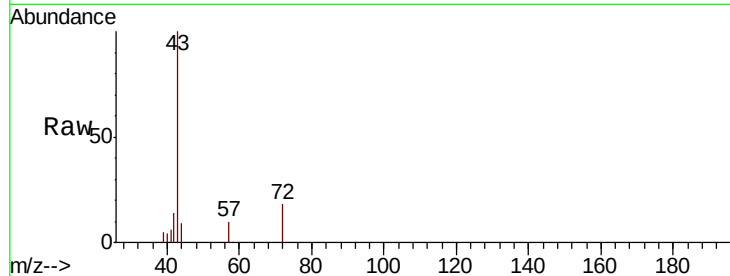
1S-A3-(0-1)

Tgt Ion: 43 Resp: 22851

Ion Ratio Lower Upper

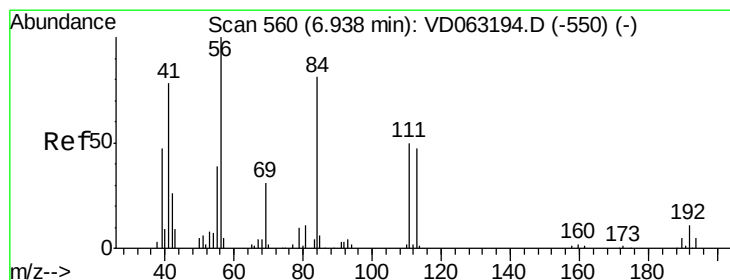
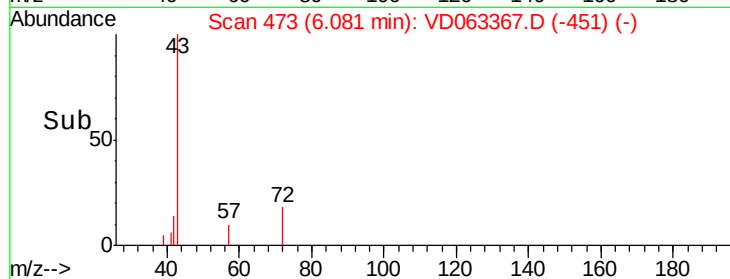
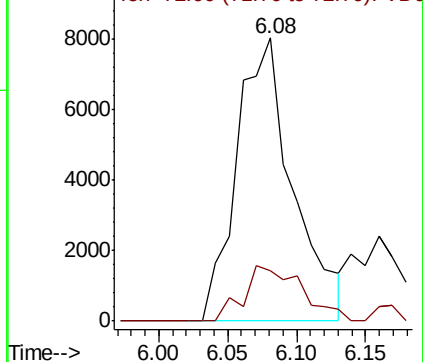
43 100

72 17.7 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.324 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD063367.D

Acq: 3 Aug 2019 17:50

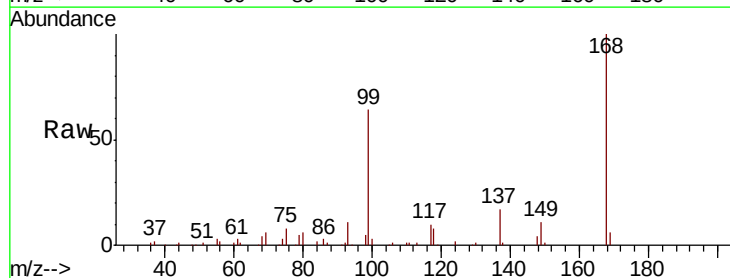
Tgt Ion: 56 Resp: 15405

Ion Ratio Lower Upper

56 100

69 244.8 24.5 36.7#

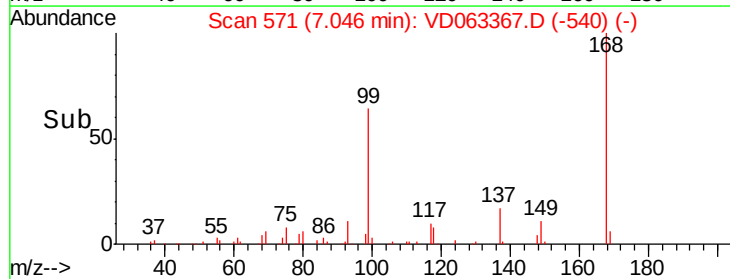
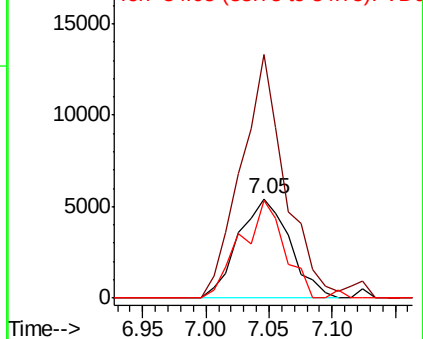
84 97.7 64.9 97.3#

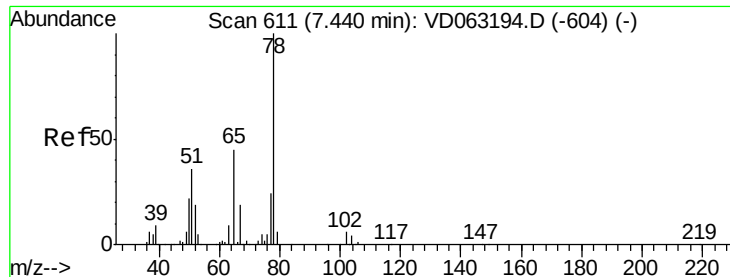


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

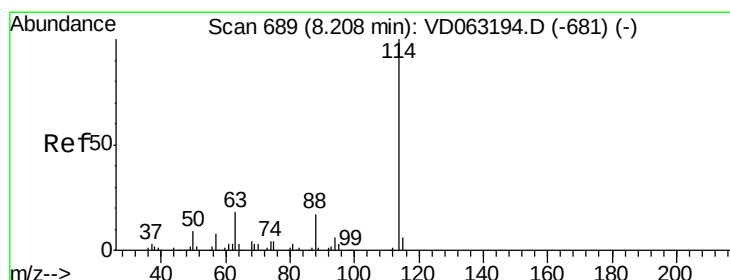
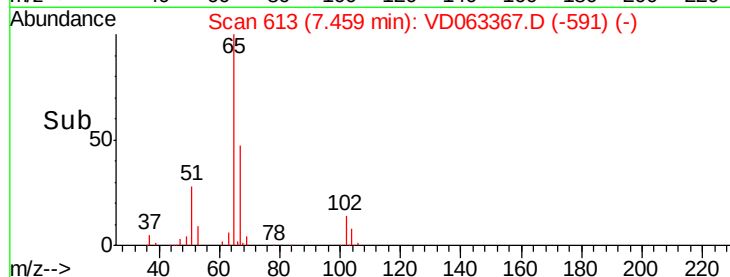
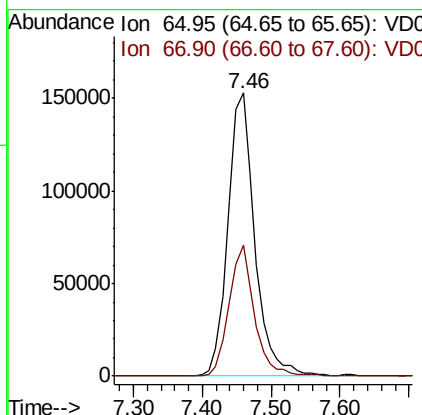
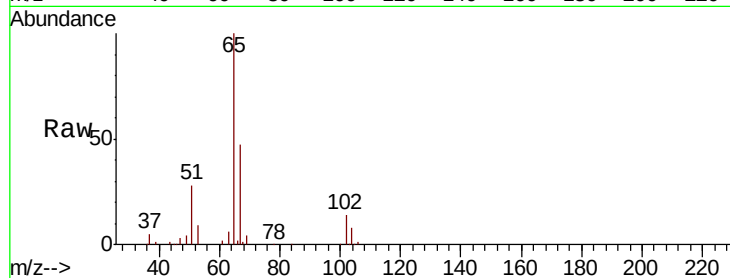




#33
 1,2-Dichloroethane-d4
 Concen: 55.419 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD063367.D
 Acq: 3 Aug 2019 17:50

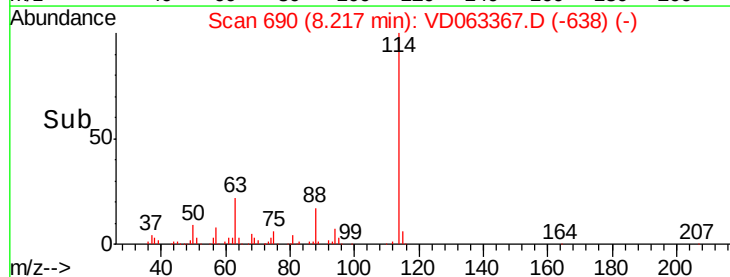
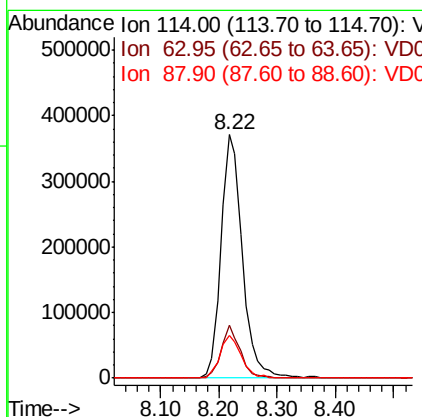
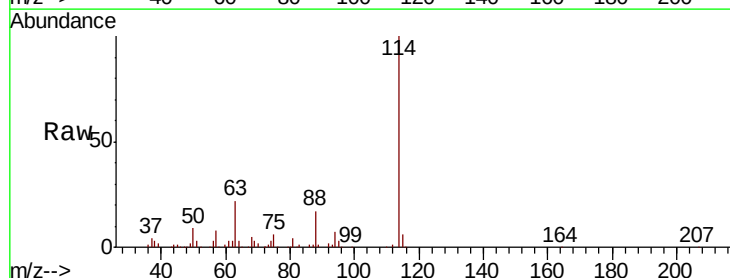
Instrument :
 MSVOA_D
 ClientSampleId :
 1S-A3-(0-1)

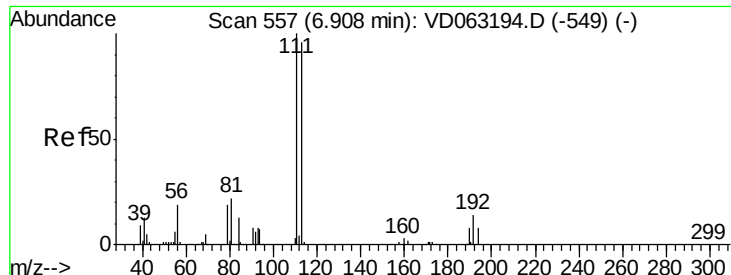
Tgt Ion: 65 Resp: 412418
 Ion Ratio Lower Upper
 65 100
 67 46.5 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063367.D
 Acq: 3 Aug 2019 17:50

Tgt Ion: 114 Resp: 942220
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 35.2
 88 17.4 0.0 34.6

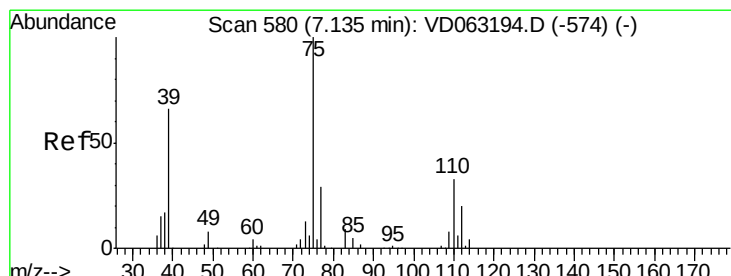
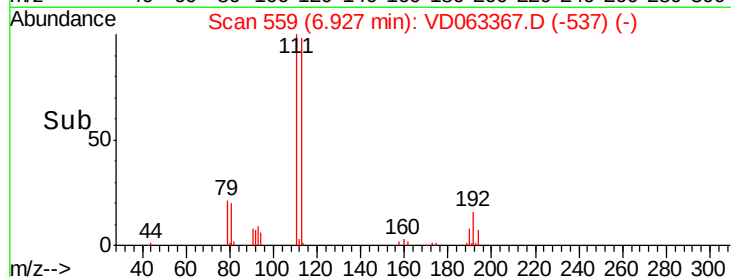
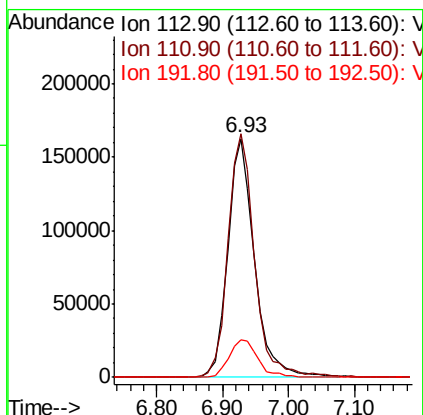
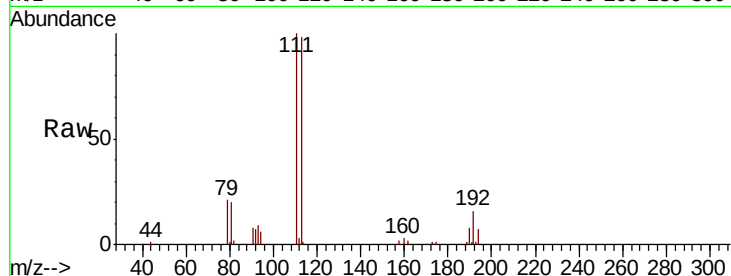




#35
 Dibromofluoromethane
 Concen: 57.263 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD063367.D
 Acq: 3 Aug 2019 17:50

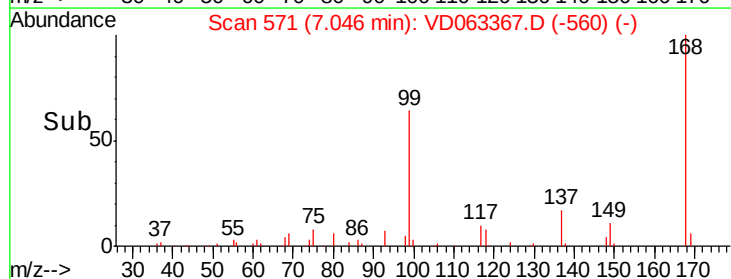
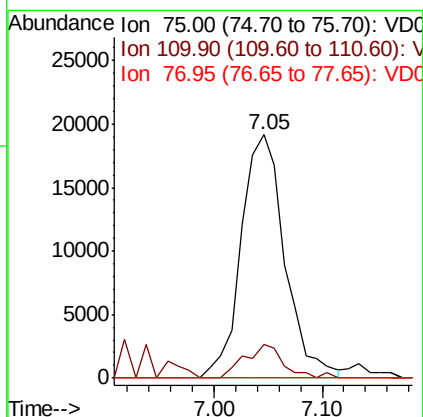
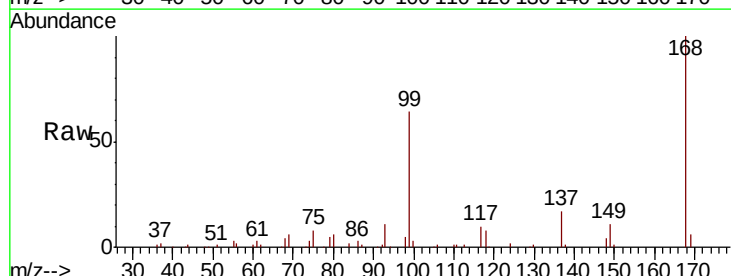
Instrument :
 MSVOA_D
 ClientSampleId :
 1S-A3-(0-1)

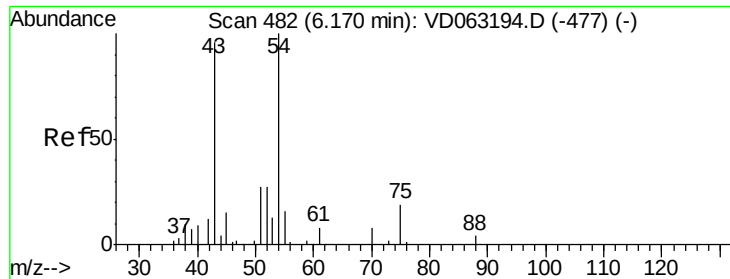
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.2	124.8
192	15.9	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 6.276 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD063367.D
 Acq: 3 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	14.1	16.1	48.2#
77	2.1	22.7	34.1#





#37

Ethyl Acetate

Concen: 1.735 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD063367.D

Acq: 3 Aug 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

1S-A3-(0-1)

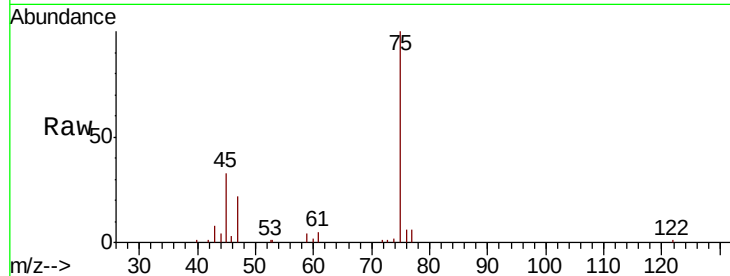
Tgt Ion: 43 Resp: 6701

Ion Ratio Lower Upper

43 100

61 62.8 11.3 16.9#

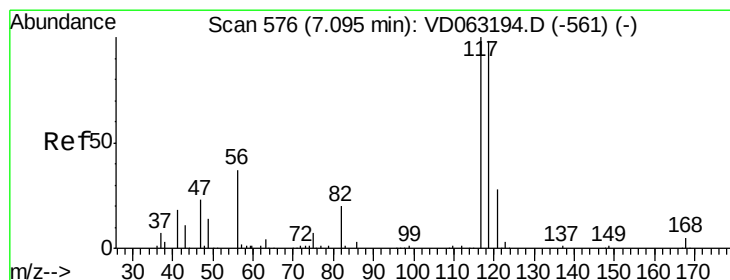
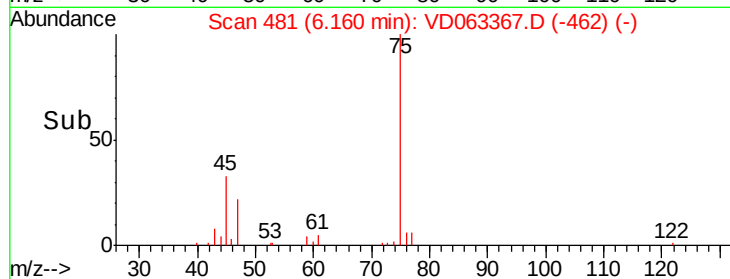
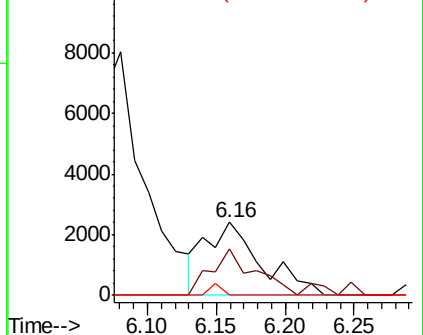
70 0.0 5.1 7.7#



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: 5.145 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063367.D

Acq: 3 Aug 2019 17:50

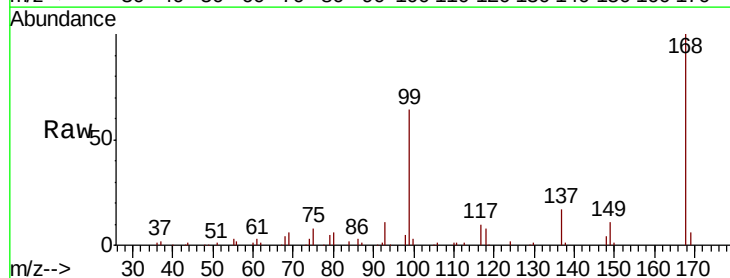
Tgt Ion: 117 Resp: 66604

Ion Ratio Lower Upper

117 100

119 4.4 78.2 117.2#

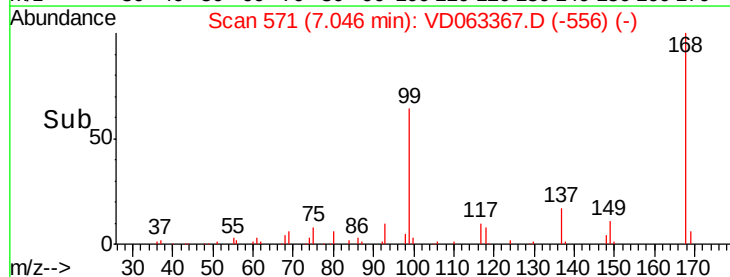
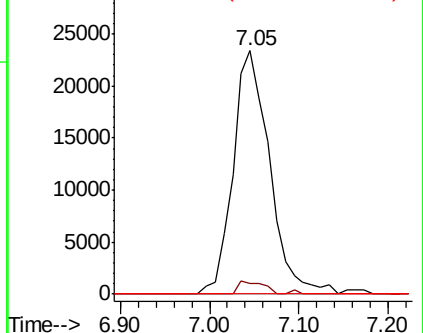
121 0.0 22.1 33.1#

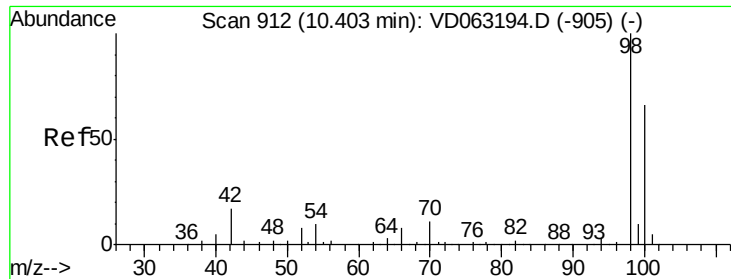


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

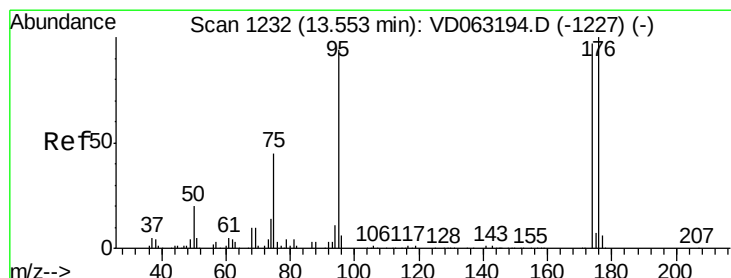
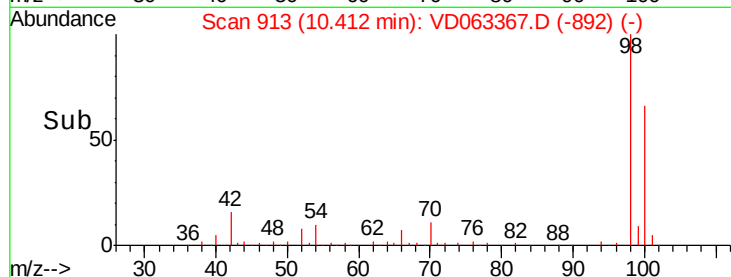
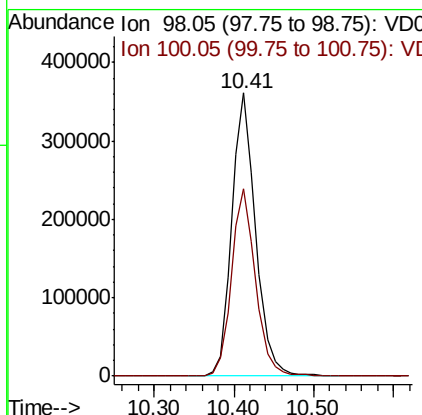
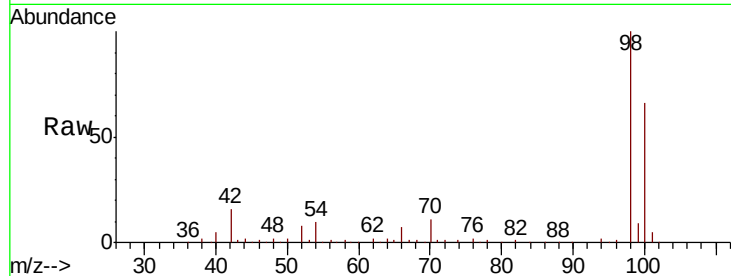




#50
Toluene-d8
Concen: 41.946 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063367.D
Acq: 3 Aug 2019 17:50

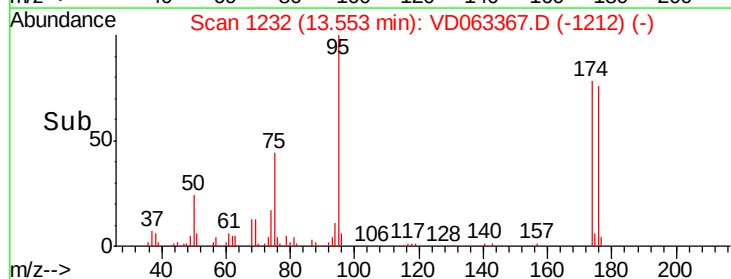
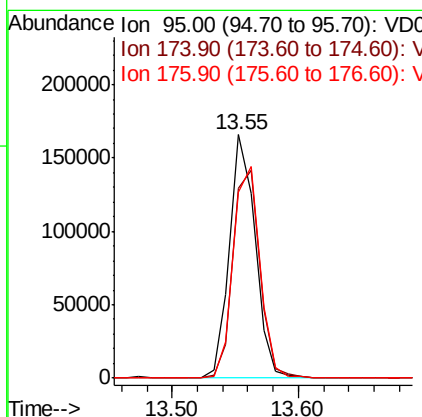
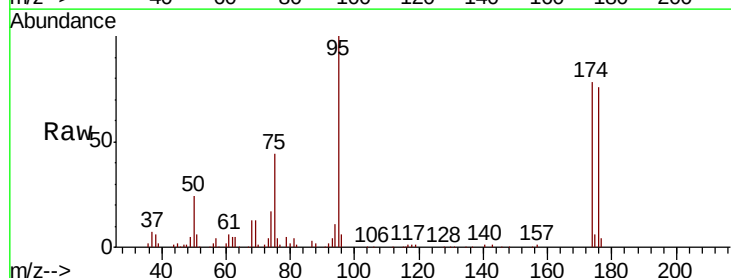
Instrument :
MSVOA_D
ClientSampleId :
1S-A3-(0-1)

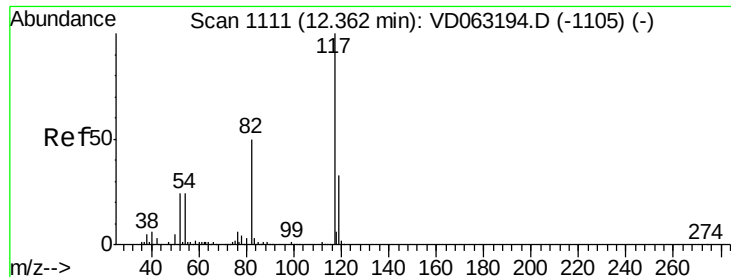
Tgt Ion: 98 Resp: 755179
Ion Ratio Lower Upper
98 100
100 66.1 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 28.432 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063367.D
Acq: 3 Aug 2019 17:50

Tgt Ion: 95 Resp: 233258
Ion Ratio Lower Upper
95 100
174 77.9 0.0 205.4
176 76.2 0.0 211.8

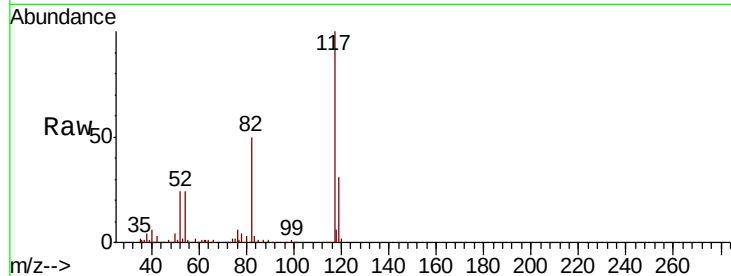




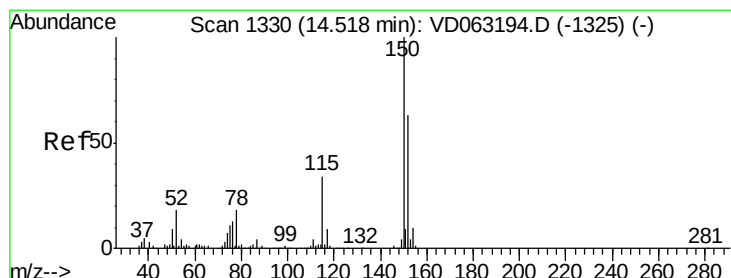
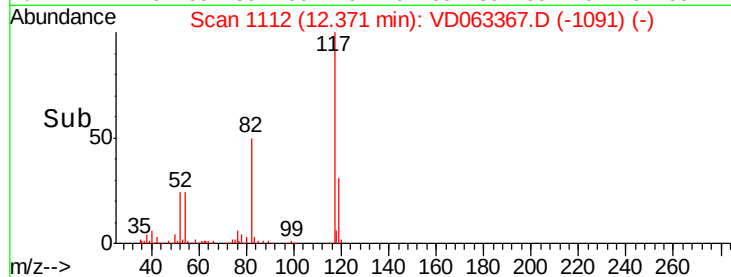
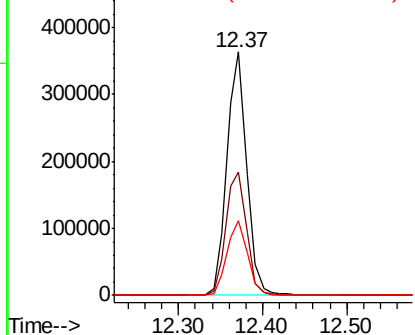
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063367.D
Acq: 3 Aug 2019 17:50

Instrument :
MSVOA_D
ClientSampleId :
1S-A3-(0-1)

Tgt Ion:117 Resp: 592810
Ion Ratio Lower Upper
117 100
82 50.5 40.1 60.1
119 30.7 26.5 39.7

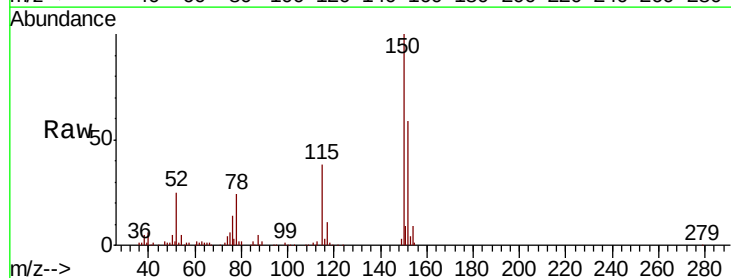


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

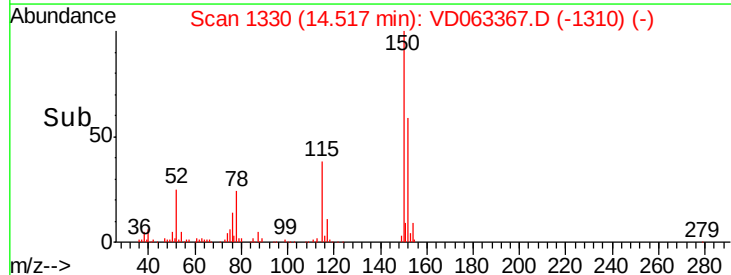
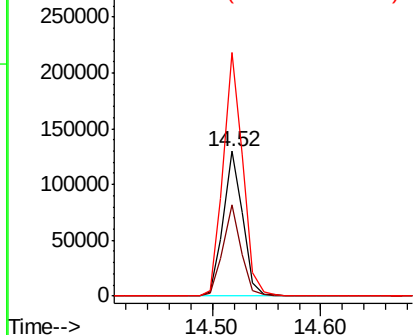


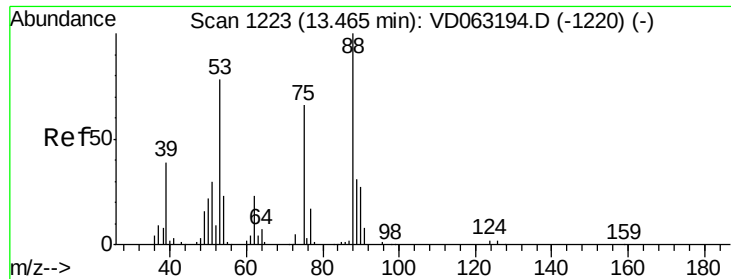
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063367.D
Acq: 3 Aug 2019 17:50

Tgt Ion:152 Resp: 161794
Ion Ratio Lower Upper
152 100
115 63.5 27.5 82.4
150 168.4 0.0 320.6



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: 193.913 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063367.D

Acq: 3 Aug 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

1S-A3-(0-1)

Tgt Ion: 75 Resp: 104641

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

