

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063447.D
 Acq On : 8 Aug 2019 19:13
 Operator : JC/SY
 Sample : K4223-14
 Misc : 3.49g/5ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-7

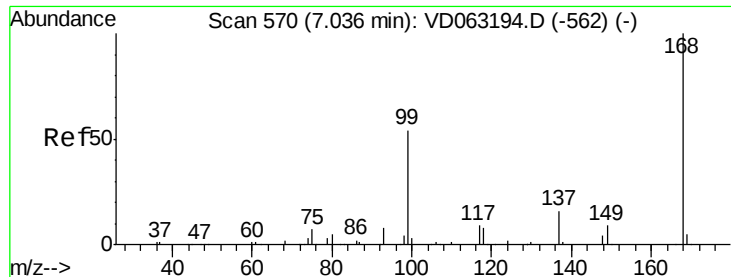
Quant Time: Aug 09 07:00:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	798429	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1047744	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	642922	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	211095	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	435970	49.21	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.42%	
35) Dibromofluoromethane	6.93	113	469717	52.51	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.02%	
50) Toluene-d8	10.42	98	752306	37.58	ug/l	0.01
Spiked Amount	50.000		Recovery	=	75.16%	
62) 4-Bromofluorobenzene	13.56	95	254135	27.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.72%	

Target Compounds					Qvalue	
16) Acetone	3.22	43	12296	7.123	ug/l #	88
18) Methyl Acetate	3.64	43	19885	5.997	ug/l #	89
20) Methylene Chloride	3.82	84	9326	1.337	ug/l #	83
25) 2-Butanone	6.09	43	3320	1.916	ug/l #	56
29) Tetrahydrofuran	6.46	42	6246	7.615	ug/l	97
31) Cyclohexane	7.05	56	18297	2.319	ug/l #	4
36) 1,1-Dichloropropene	7.05	75	58166	6.083	ug/l #	49
38) Carbon Tetrachloride	7.05	117	76215	5.294	ug/l #	14
41) Methacrylonitrile	6.46	41	5262	1.024	ug/l #	90
76) 1,2,3-Trichloropropane	13.56	75	89370	35.247	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	109893	156.084	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: VD063447.D

Acq: 8 Aug 2019 19:13

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MSVOA_D

ClientSampleId :

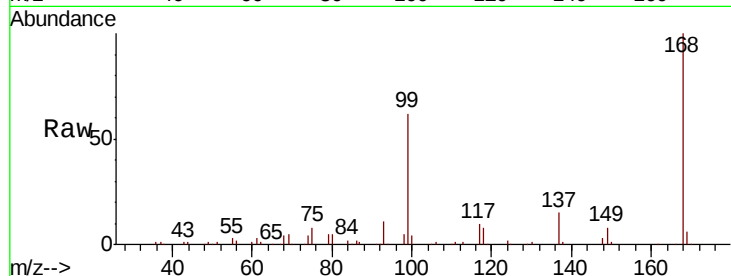
SP-7

Tgt Ion:168 Resp: 798429

Ion Ratio Lower Upper

168 100

99 62.4 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

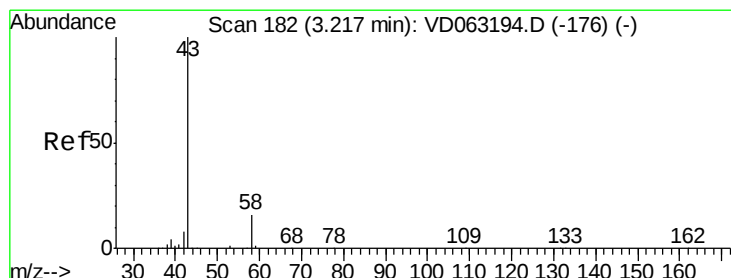
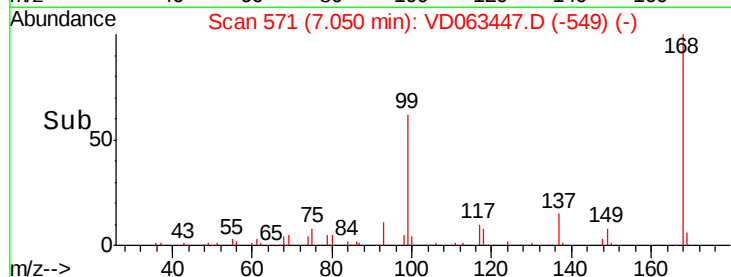
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 7.123 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063447.D

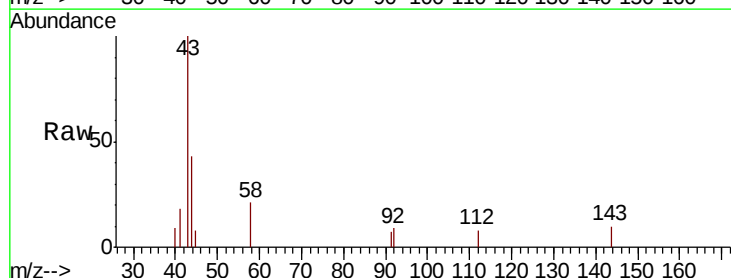
Acq: 8 Aug 2019 19:13

Tgt Ion: 43 Resp: 12296

Ion Ratio Lower Upper

43 100

58 21.4 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

5000

4000

3000

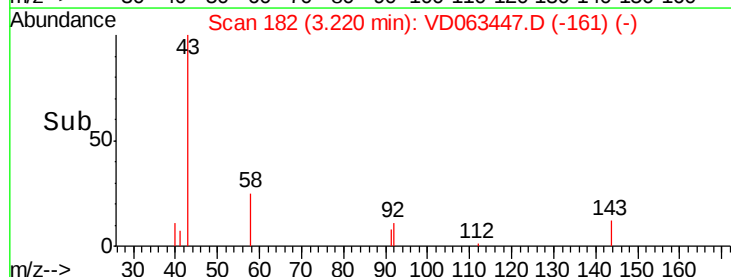
2000

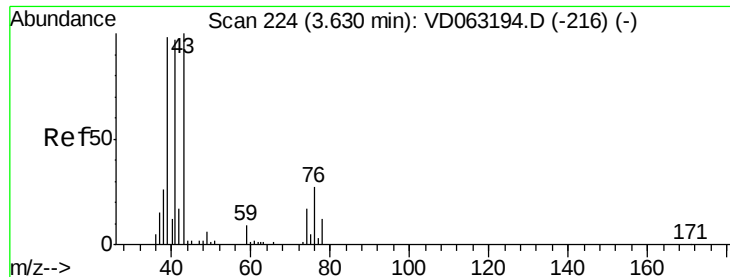
1000

0

Time-->

3.15 3.20 3.25 3.30

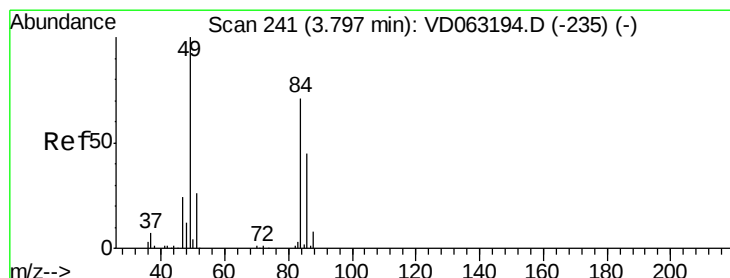
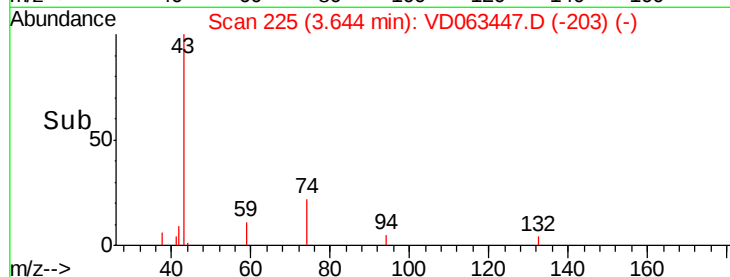
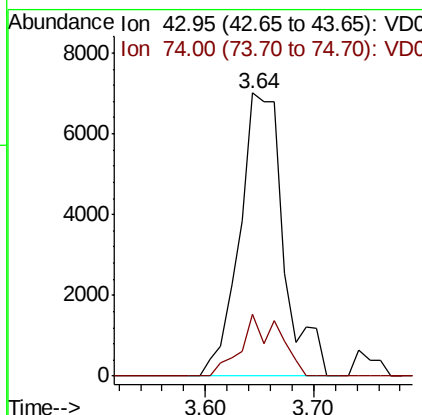
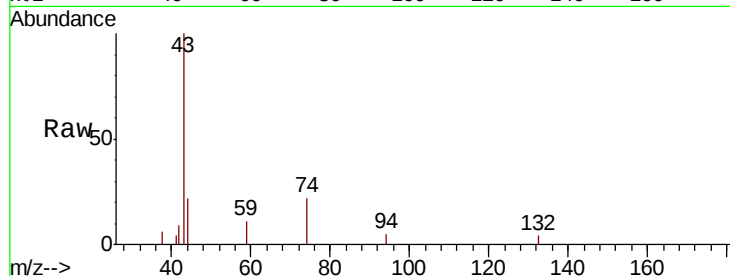




#18
Methyl Acetate
Concen: 5.997 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD063447.D
Acq: 8 Aug 2019 19:13

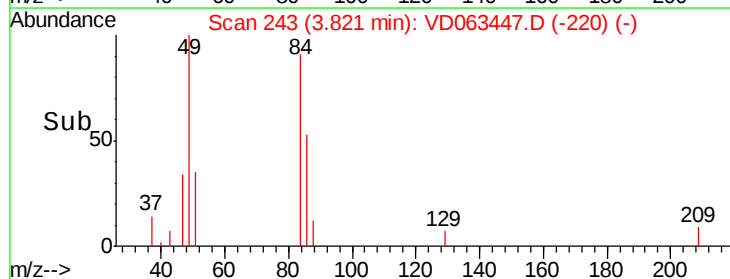
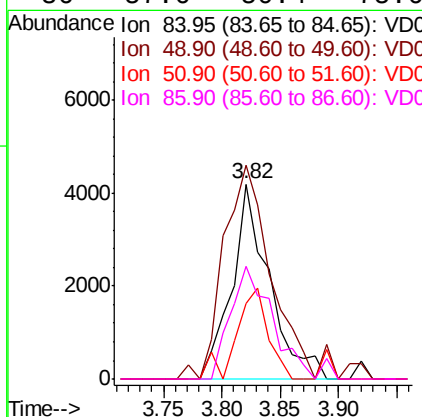
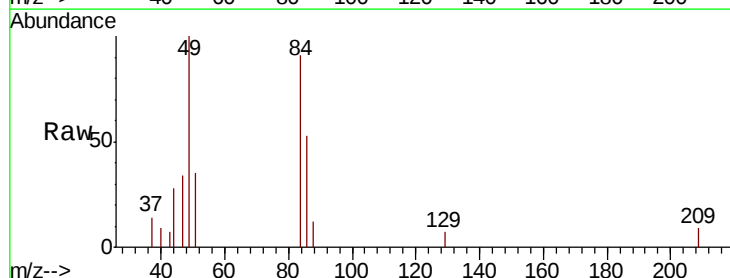
Instrument :
MSVOA_D
ClientSampleId :
SP-7

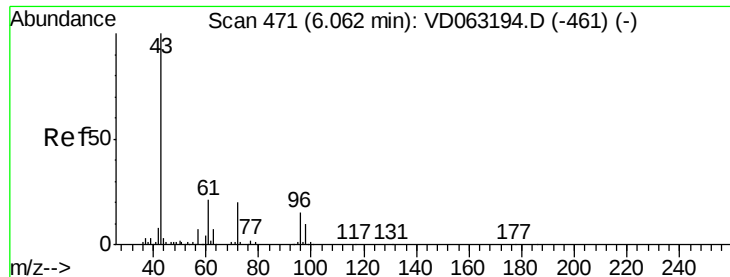
Tgt Ion: 43 Resp: 19885
Ion Ratio Lower Upper
43 100
74 22.0 13.8 20.8#



#20
Methylene Chloride
Concen: 1.337 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063447.D
Acq: 8 Aug 2019 19:13

Tgt Ion: 84 Resp: 9326
Ion Ratio Lower Upper
84 100
49 109.7 112.5 168.7#
51 38.6 29.6 44.4
86 57.6 50.4 75.6





#25

2-Butanone

Concen: 1.916 ug/l

RT: 6.09 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063447.D

Acq: 8 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampled :

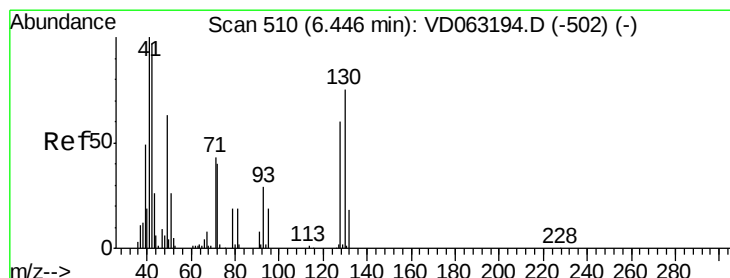
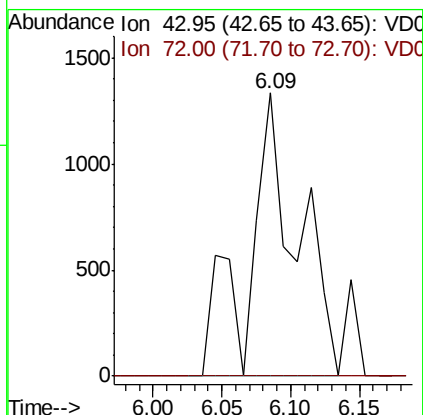
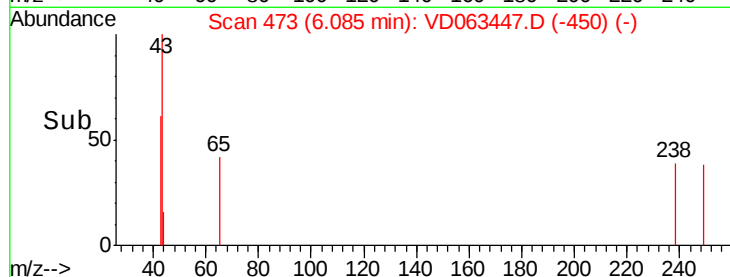
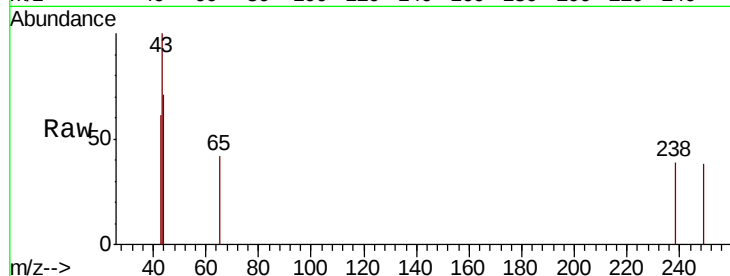
SP-7

Tgt Ion: 43 Resp: 3320

Ion Ratio Lower Upper

43 100

72 0.0 16.3 24.5#



#29

Tetrahydrofuran

Concen: 7.615 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063447.D

Acq: 8 Aug 2019 19:13

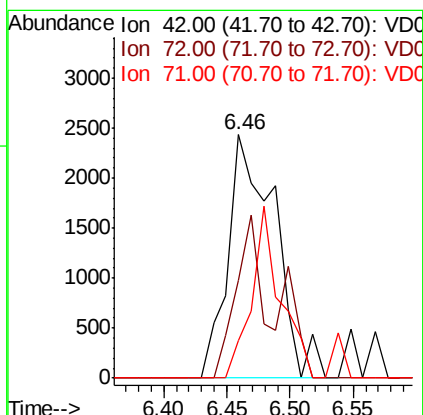
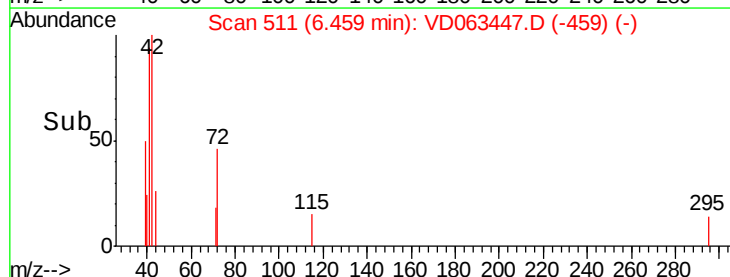
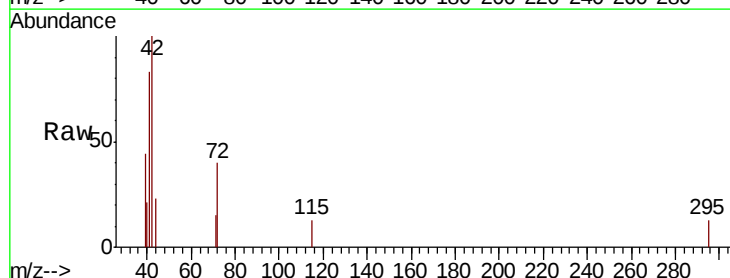
Tgt Ion: 42 Resp: 6246

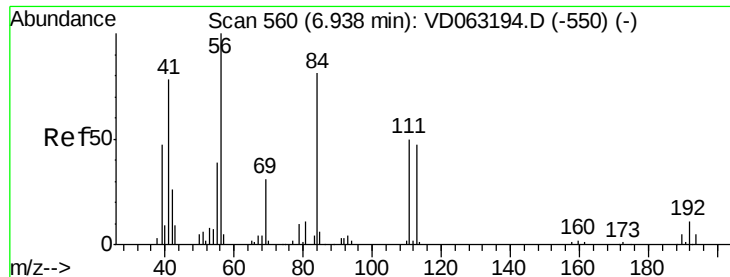
Ion Ratio Lower Upper

42 100

72 38.4 33.4 50.2

71 44.0 35.7 53.5

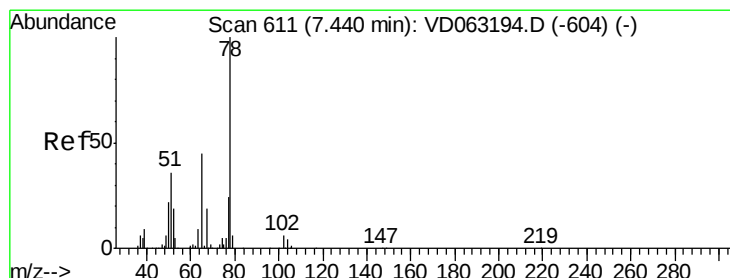
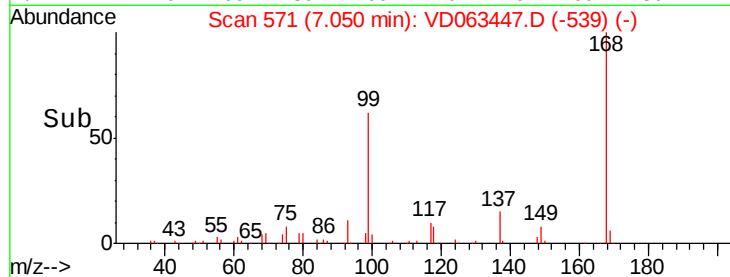
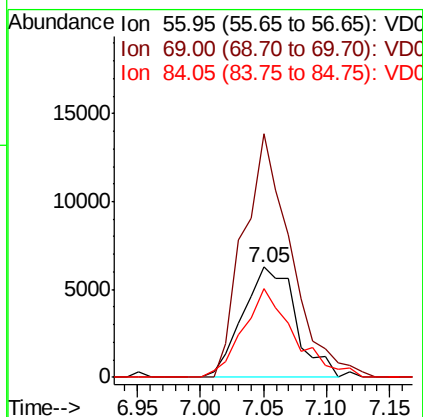
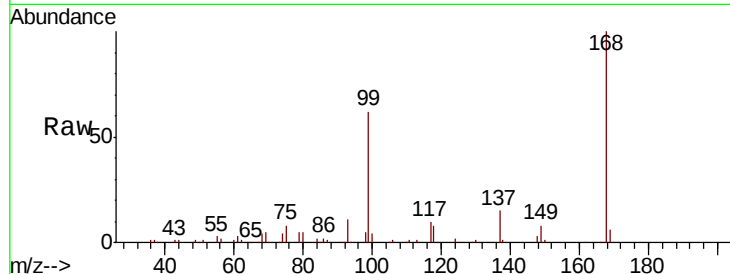




#31
Cyclohexane
Concen: 2.319 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063447.D
Acq: 8 Aug 2019 19:13

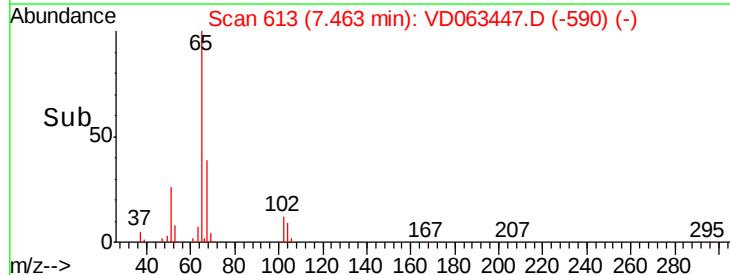
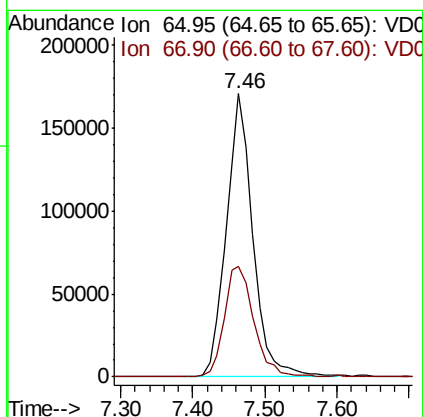
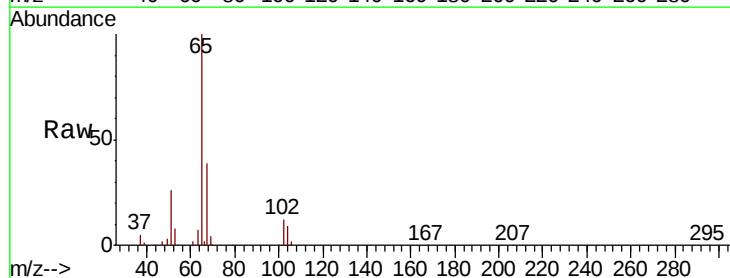
Instrument :
MSVOA_D
ClientSampleId :
SP-7

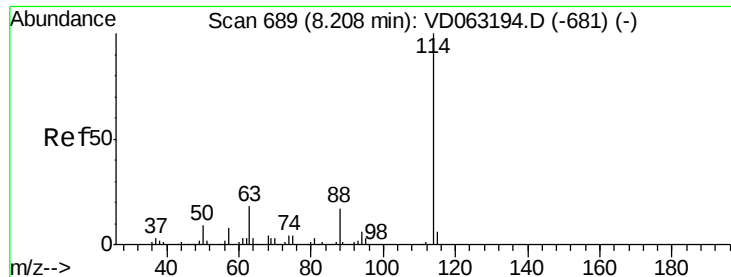
Tgt Ion: 56 Resp: 18297
Ion Ratio Lower Upper
56 100
69 221.3 24.5 36.7#
84 80.2 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 49.210 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD063447.D
Acq: 8 Aug 2019 19:13

Tgt Ion: 65 Resp: 435970
Ion Ratio Lower Upper
65 100
67 39.0 0.0 85.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063447.D

Acq: 8 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampled :

SP-7

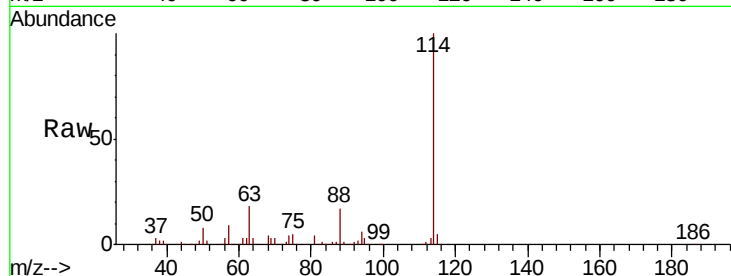
Tgt Ion:114 Resp: 1047744

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

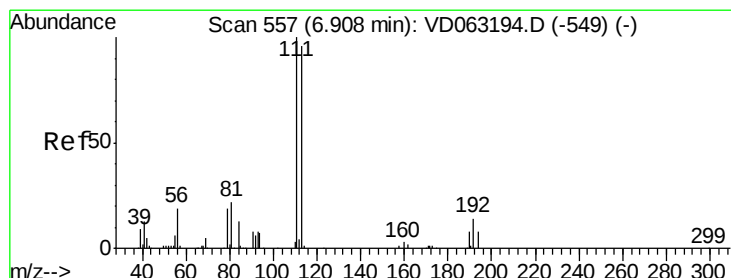
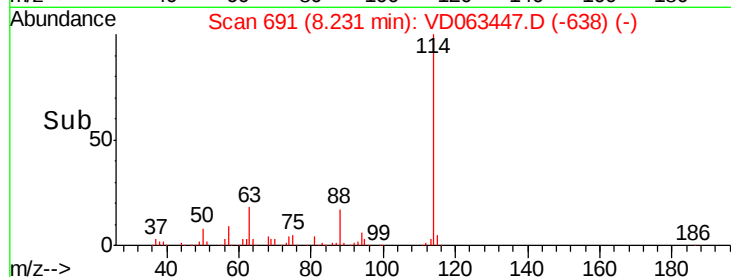
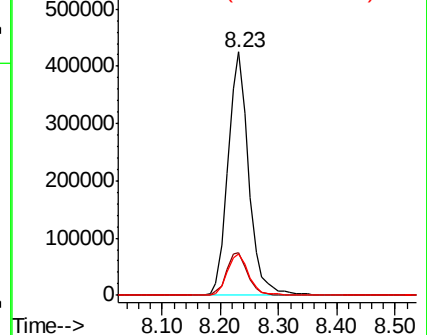
88 17.2 0.0 34.6



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: 52.509 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063447.D

Acq: 8 Aug 2019 19:13

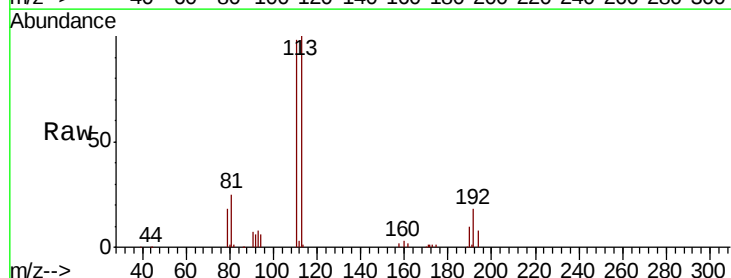
Tgt Ion:113 Resp: 469717

Ion Ratio Lower Upper

113 100

111 98.1 83.2 124.8

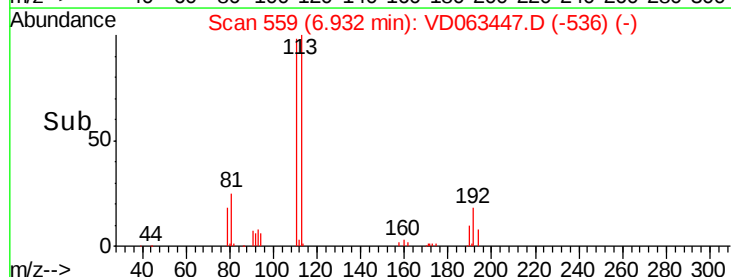
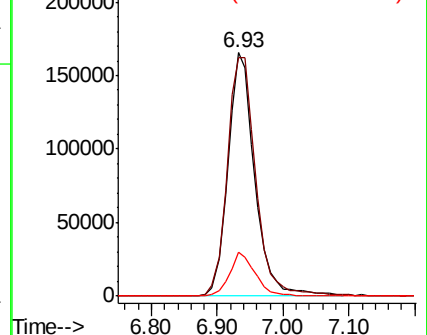
192 17.9 11.8 17.8#

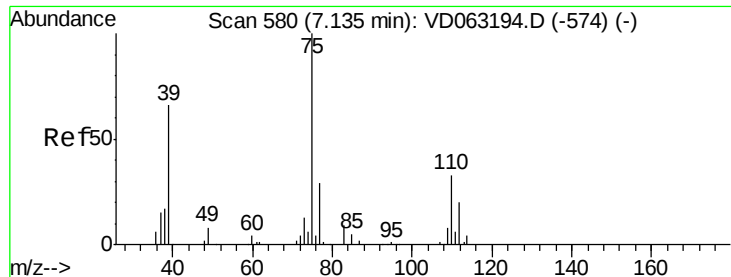


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

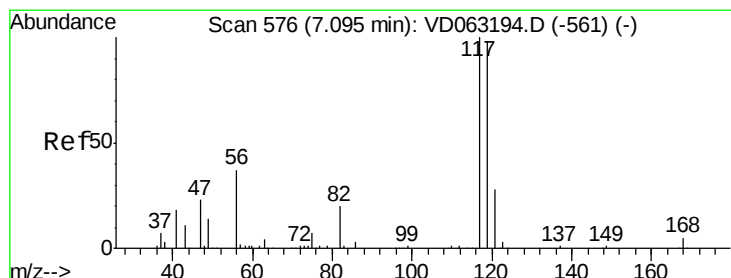
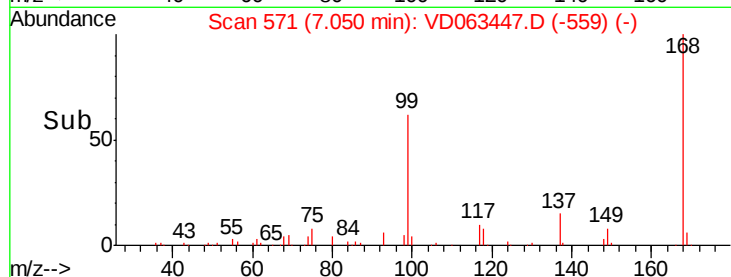
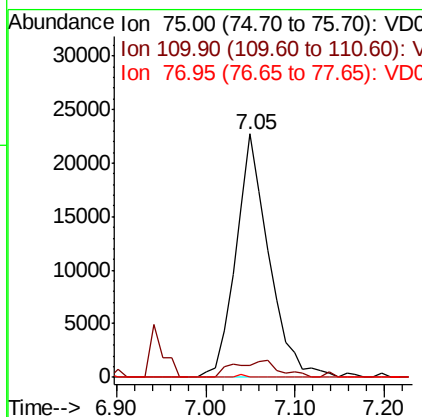
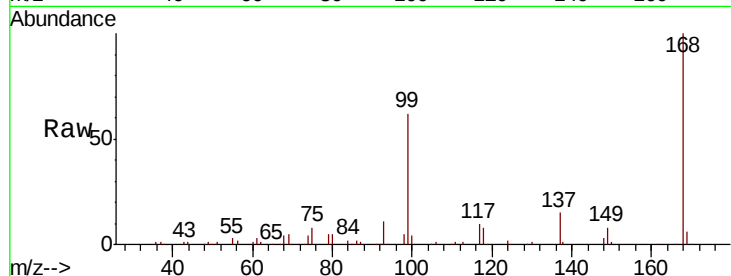




#36
 1,1-Dichloropropene
 Concen: 6.083 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD063447.D
 Acq: 8 Aug 2019 19:13

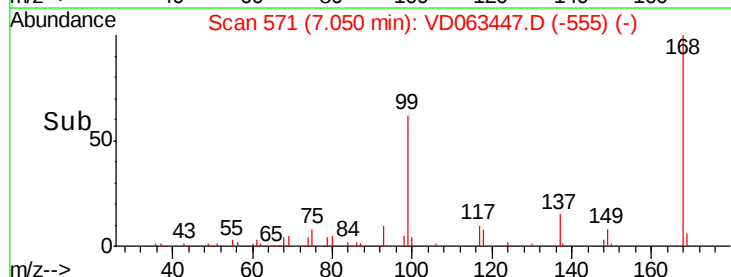
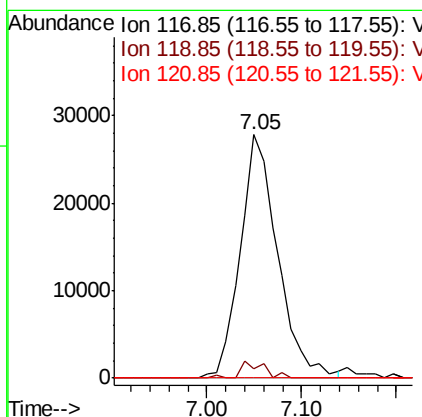
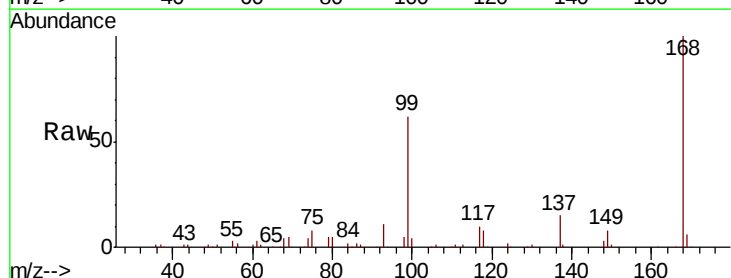
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-7

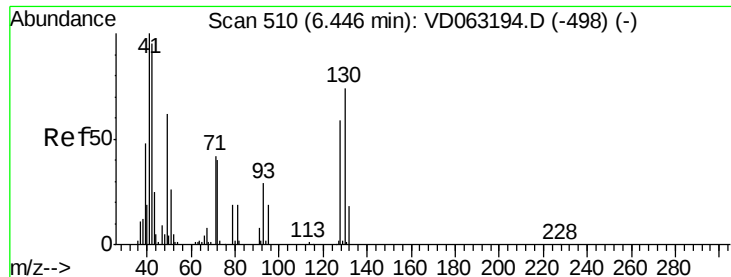
Tgt Ion: 75 Resp: 58166
 Ion Ratio Lower Upper
 75 100
 110 5.0 16.1 48.2#
 77 0.0 22.7 34.1#



#38
 Carbon Tetrachloride
 Concen: 5.294 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD063447.D
 Acq: 8 Aug 2019 19:13

Tgt Ion: 117 Resp: 76215
 Ion Ratio Lower Upper
 117 100
 119 3.9 78.2 117.2#
 121 0.0 22.1 33.1#





#41

Methacrylonitrile

Concen: 1.024 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063447.D

Acq: 8 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleID :

SP-7

Tgt Ion: 41 Resp: 5262

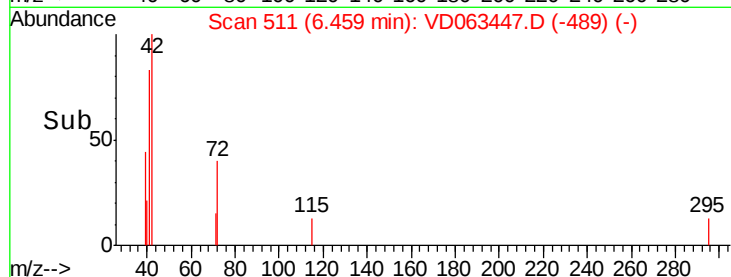
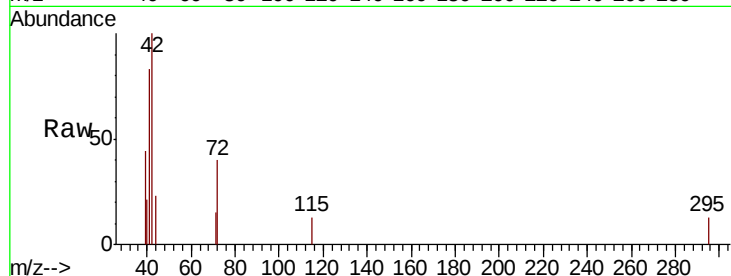
Ion Ratio Lower Upper

41 100

39 52.9 38.4 57.6

67 0.0 6.7 10.1#

52 0.0 4.3 6.5#

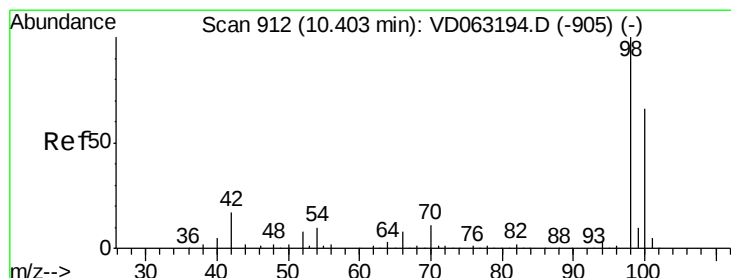
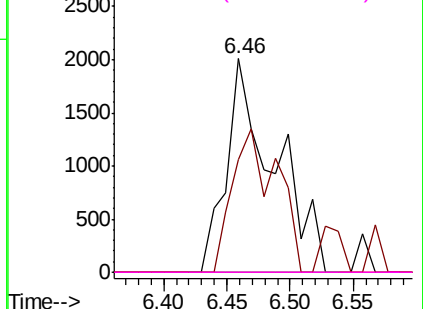


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 37.578 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063447.D

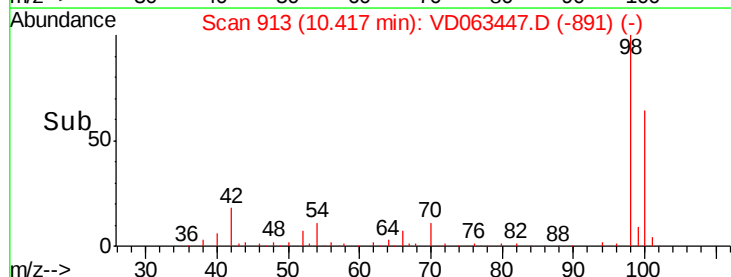
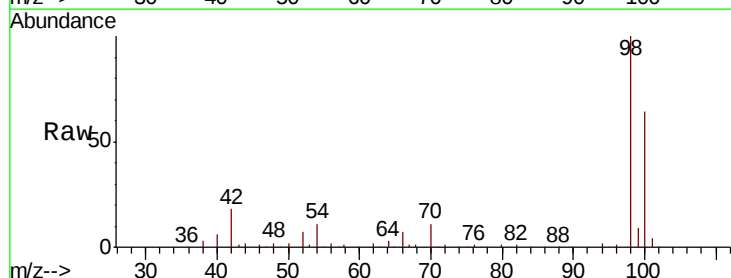
Acq: 8 Aug 2019 19:13

Tgt Ion: 98 Resp: 752306

Ion Ratio Lower Upper

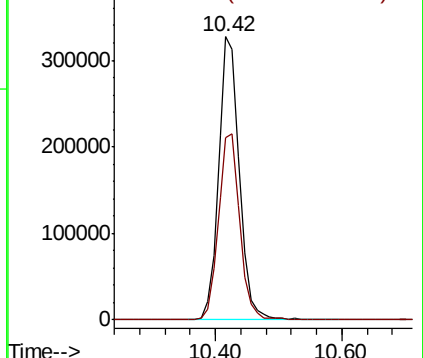
98 100

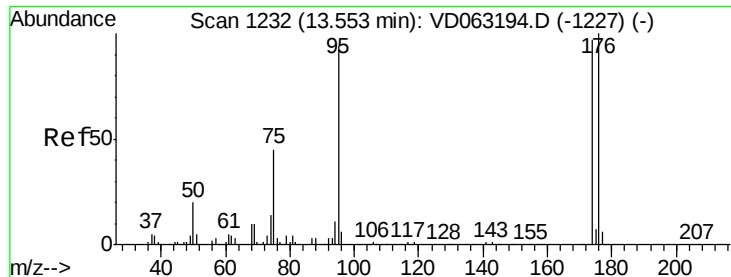
100 64.2 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

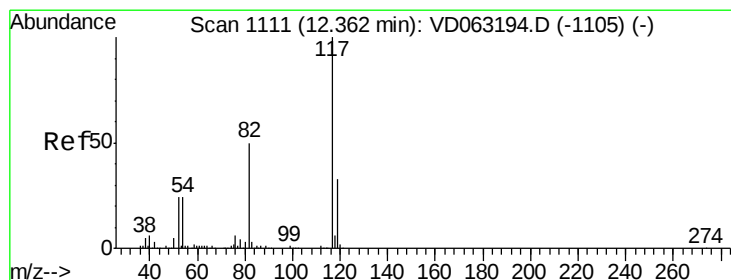
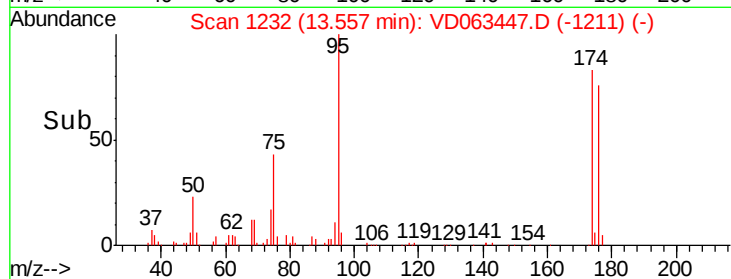
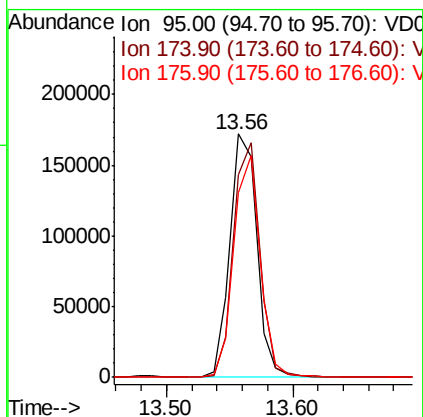
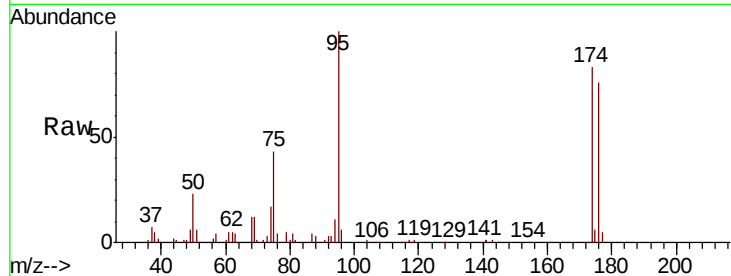




#62
4-Bromofluorobenzene
Concen: 27.856 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063447.D
Acq: 8 Aug 2019 19:13

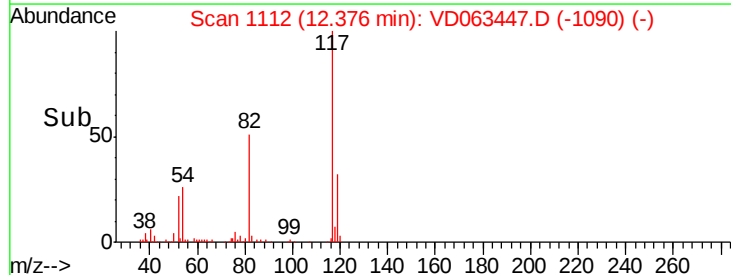
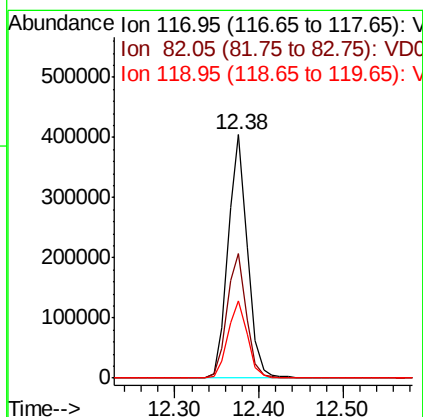
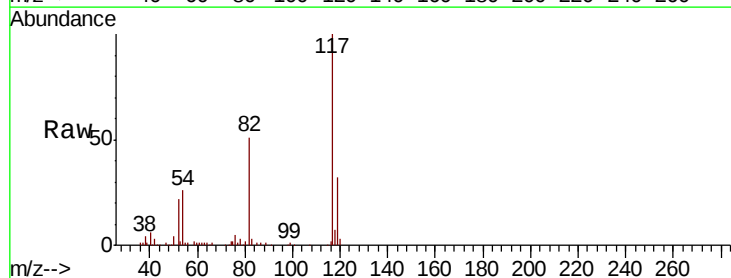
Instrument :
MSVOA_D
ClientSampled :
SP-7

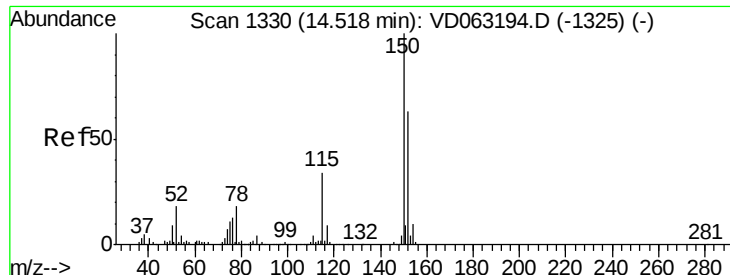
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	205.4
176	75.8	0.0	211.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063447.D
Acq: 8 Aug 2019 19:13

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.2	40.1	60.1
119	31.5	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063447.D

Acq: 8 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

SP-7

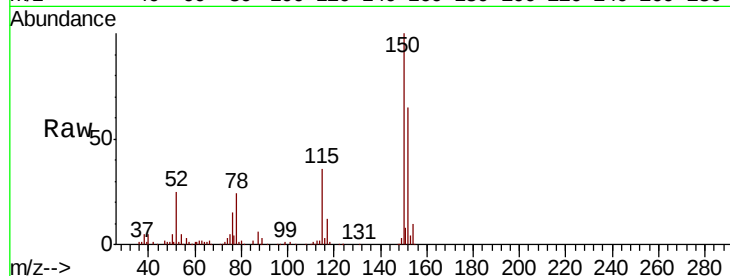
Tgt Ion:152 Resp: 211095

Ion Ratio Lower Upper

152 100

115 55.1 27.5 82.4

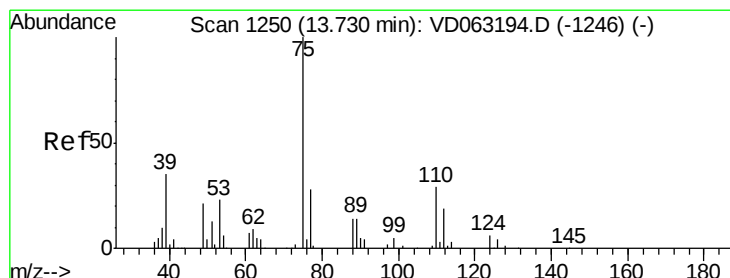
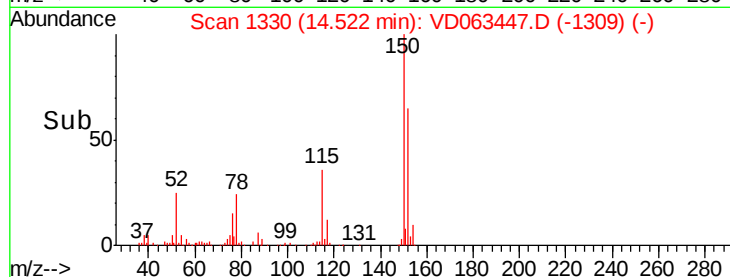
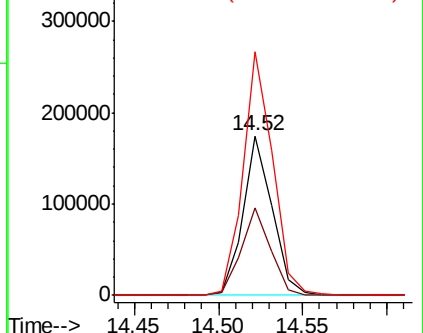
150 152.7 0.0 320.6



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



#76

1,2,3-Trichloropropane

Concen: 35.247 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063447.D

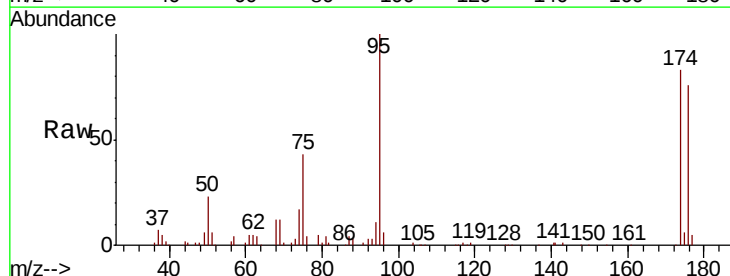
Acq: 8 Aug 2019 19:13

Tgt Ion: 75 Resp: 89370

Ion Ratio Lower Upper

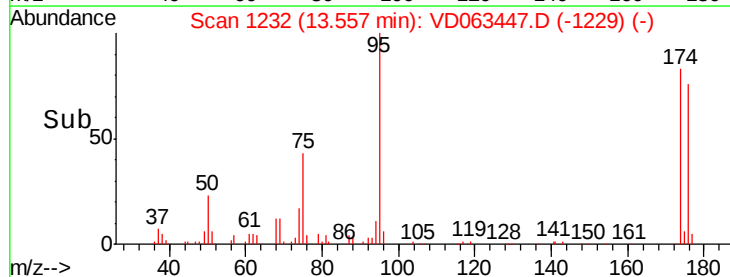
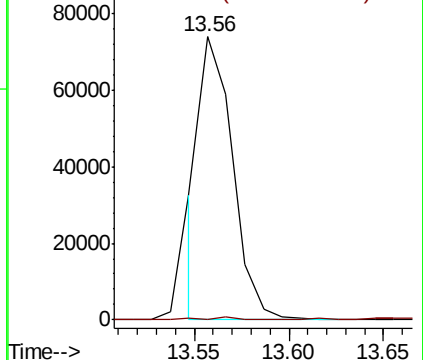
75 100

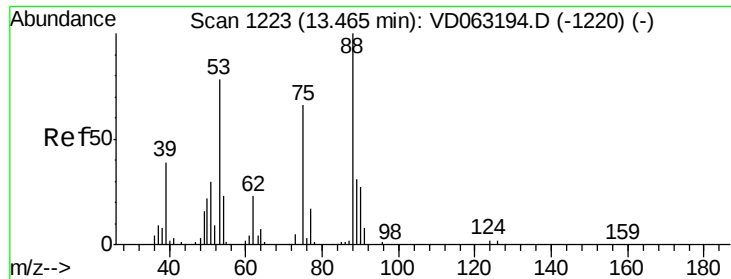
77 0.0 16.0 48.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 156.084 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063447.D

Acq: 8 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

SP-7

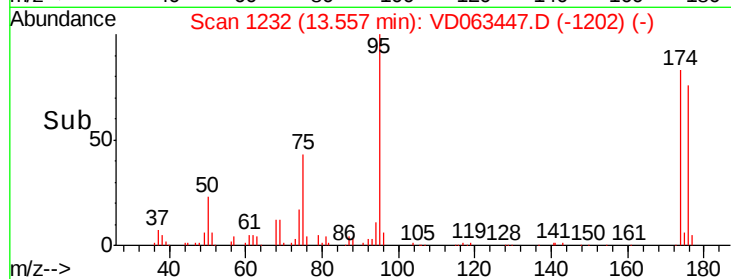
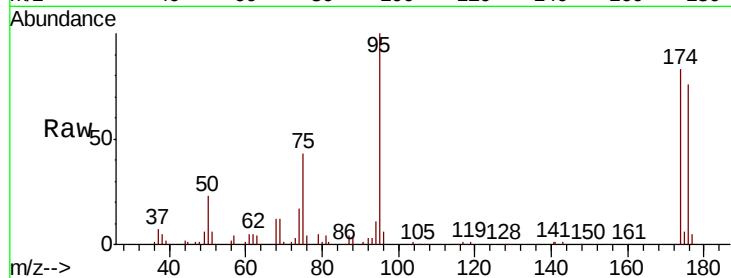
Tgt Ion: 75 Resp: 109893

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

