

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080319\
 Data File : VD063370.D
 Acq On : 3 Aug 2019 19:11
 Operator : VA/AP
 Sample : K4135-08
 Misc : 5.21g/5ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-A2-(30)

Quant Time: Aug 04 06:09:07 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	820898	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1118980	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	919201	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	414976	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	481984	52.91	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.82%	
35) Dibromofluoromethane	6.93	113	507464	53.12	ug/l	0.02
Spiked Amount 50.000			Recovery	=	106.24%	
50) Toluene-d8	10.41	98	1035836	48.45	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	13.55	95	418577	42.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.92%	

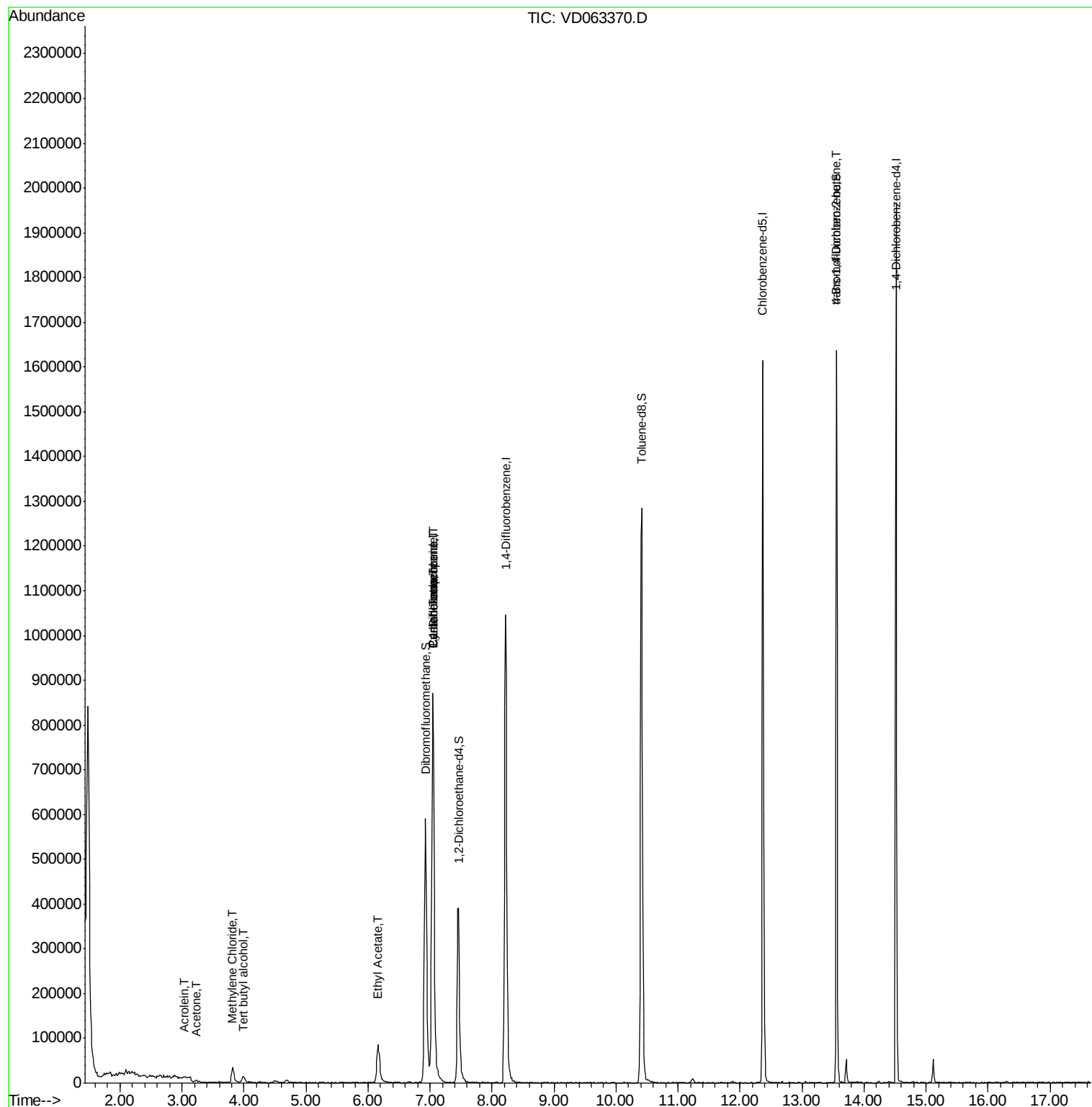
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.99	59	11788	29.490	ug/l #	69
13) Acrolein	3.03	56	790	2.054	ug/l #	80
16) Acetone	3.24	43	5057	2.849	ug/l #	92
20) Methylene Chloride	3.81	84	20852	2.907	ug/l	91
31) Cyclohexane	7.04	56	20173	2.486	ug/l #	14
36) 1,1-Dichloropropene	7.05	75	63777	6.245	ug/l #	54
37) Ethyl Acetate	6.16	43	7457	1.625	ug/l #	30
38) Carbon Tetrachloride	7.05	117	85448	5.558	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	198209	143.208	ug/l #	3

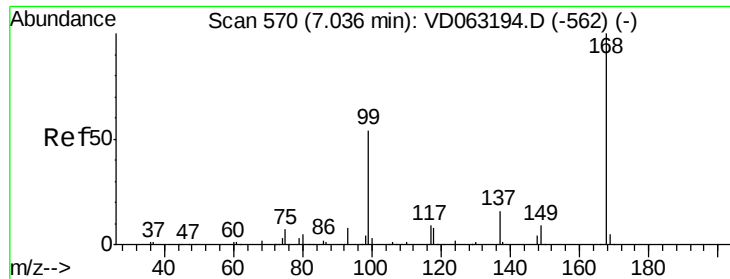
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063370.D

Acq: 3 Aug 2019 19:11

Instrument :

MSVOA_D

ClientSampleId :

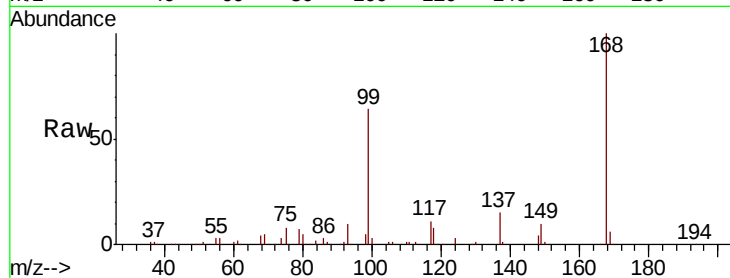
1S-A2-(30)

Tgt Ion:168 Resp: 820898

Ion Ratio Lower Upper

168 100

99 63.6 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

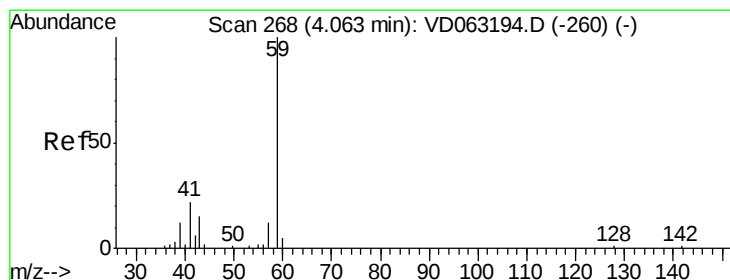
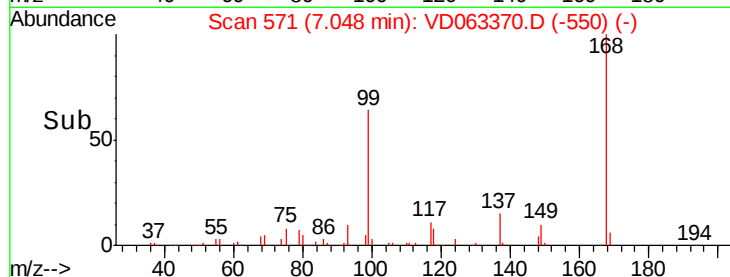
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 29.490 ug/l

RT: 3.99 min Scan# 260

Delta R.T. -0.08 min

Lab File: VD063370.D

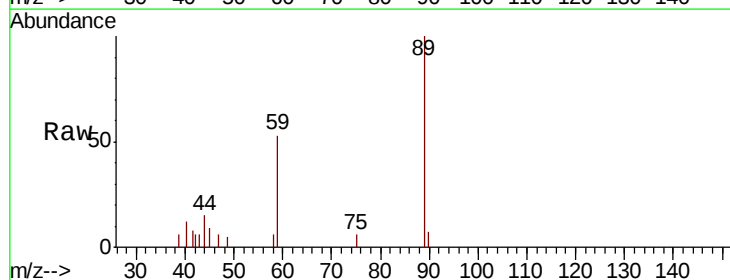
Acq: 3 Aug 2019 19:11

Tgt Ion: 59 Resp: 11788

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.99

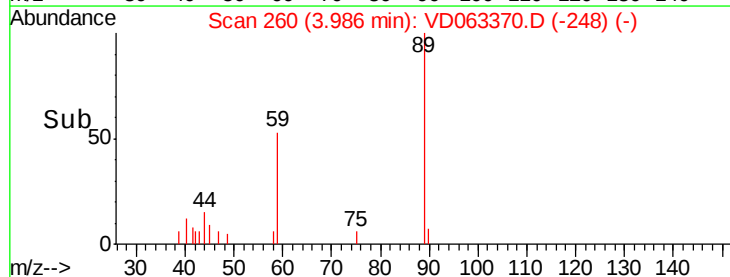
3000

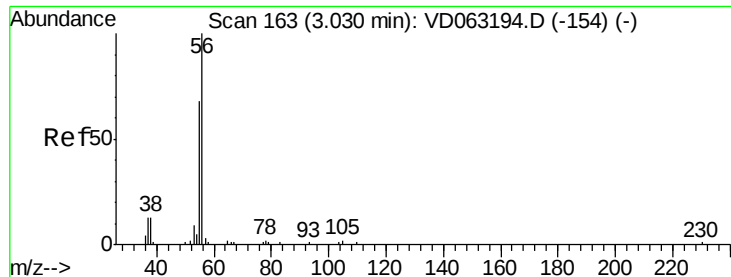
2000

1000

0

Time-->





#13

Acrolein

Concen: 2.054 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD063370.D

Acq: 3 Aug 2019 19:11

Instrument :

MSVOA_D

ClientSampleId :

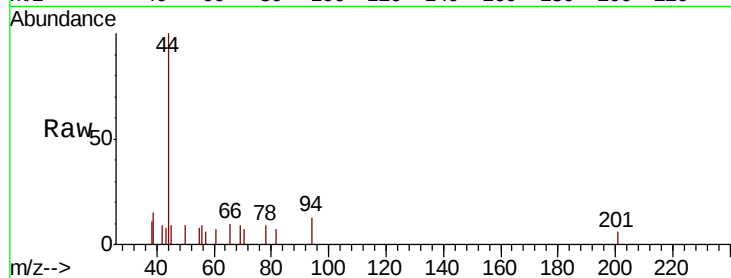
1S-A2-(30)

Tgt Ion: 56 Resp: 790

Ion Ratio Lower Upper

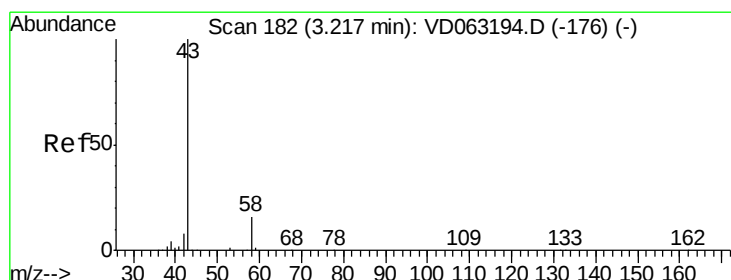
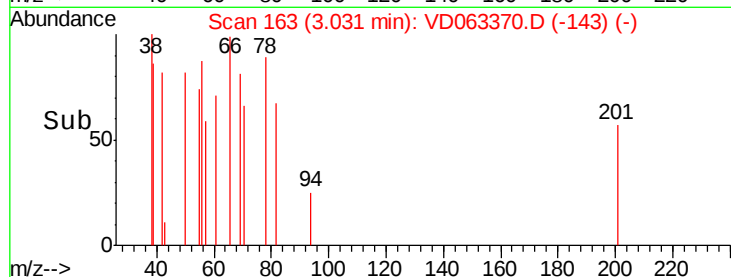
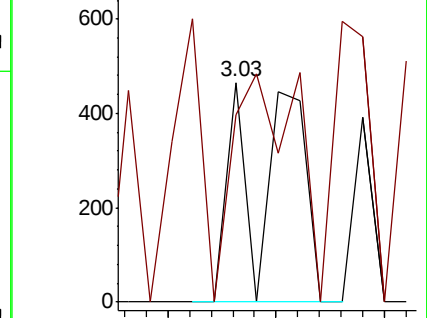
56 100

55 85.4 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 2.849 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD063370.D

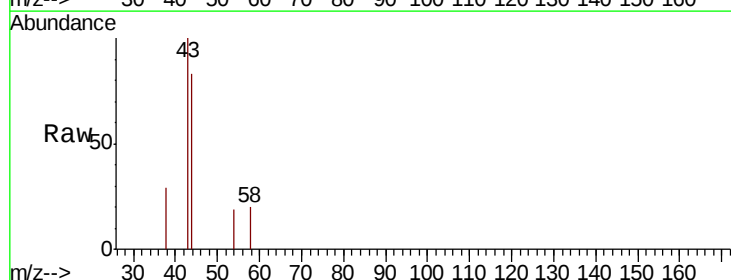
Acq: 3 Aug 2019 19:11

Tgt Ion: 43 Resp: 5057

Ion Ratio Lower Upper

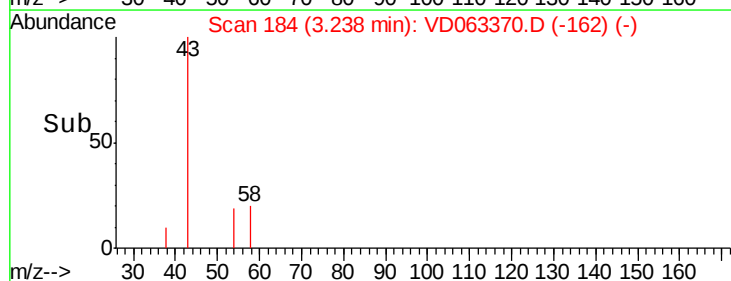
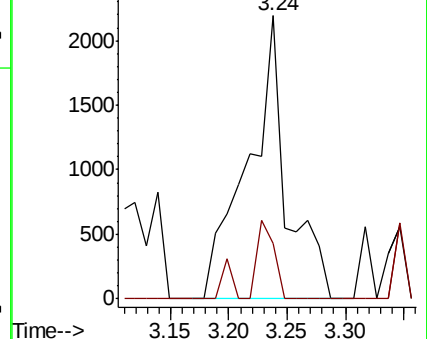
43 100

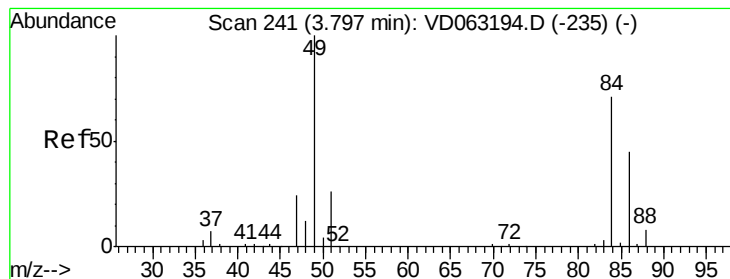
58 19.6 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 2.907 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063370.D

Acq: 3 Aug 2019 19:11

Instrument :

MSVOA_D

ClientSampleId :

1S-A2-(30)

Tgt Ion: 84 Resp: 20852

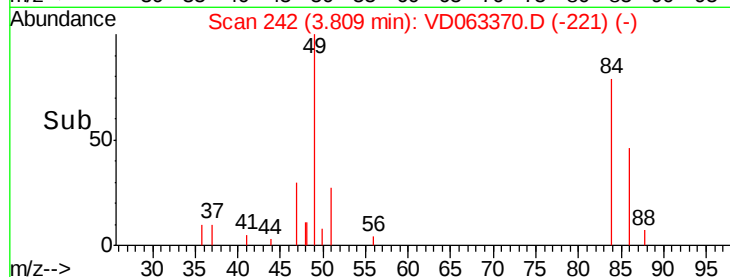
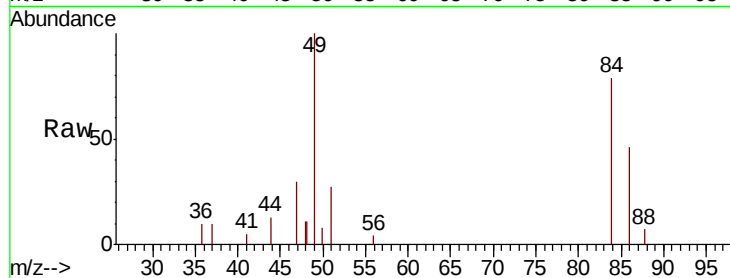
Ion Ratio Lower Upper

84 100

49 127.0 112.5 168.7

51 34.2 29.6 44.4

86 59.0 50.4 75.6

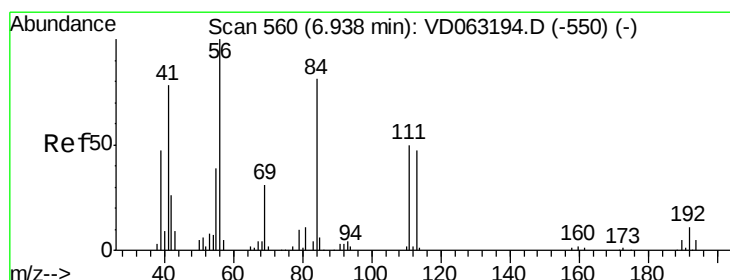
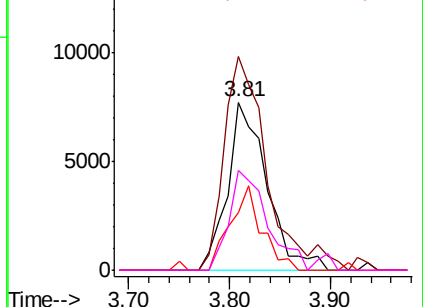


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: 2.486 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD063370.D

Acq: 3 Aug 2019 19:11

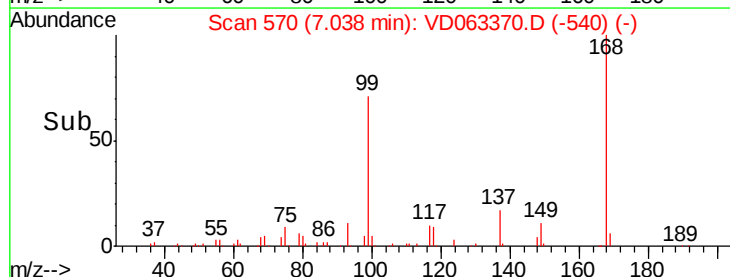
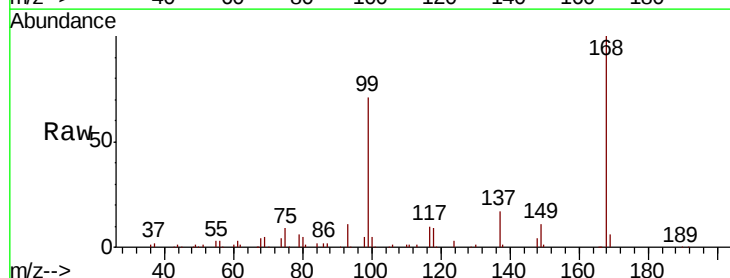
Tgt Ion: 56 Resp: 20173

Ion Ratio Lower Upper

56 100

69 156.4 24.5 36.7#

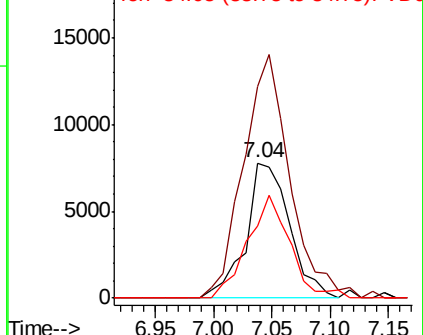
84 53.6 64.9 97.3#

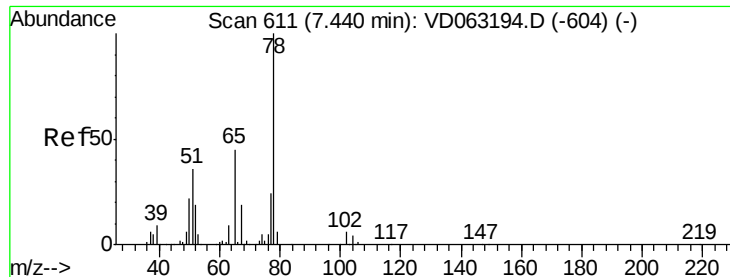


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

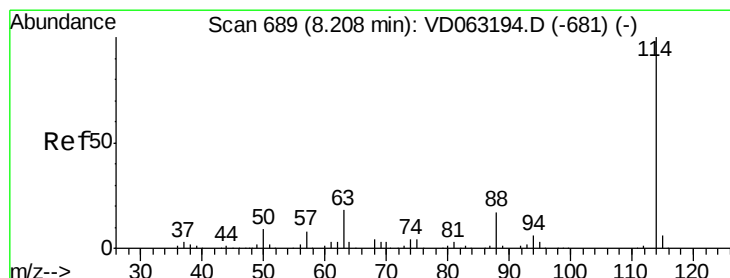
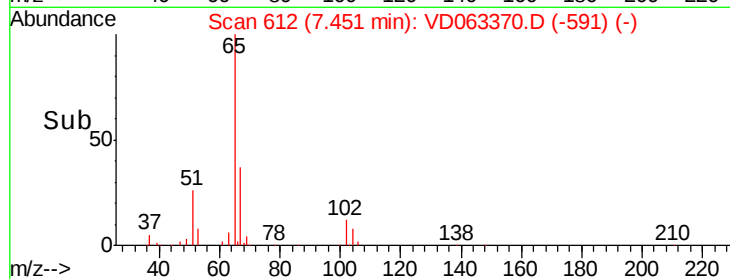
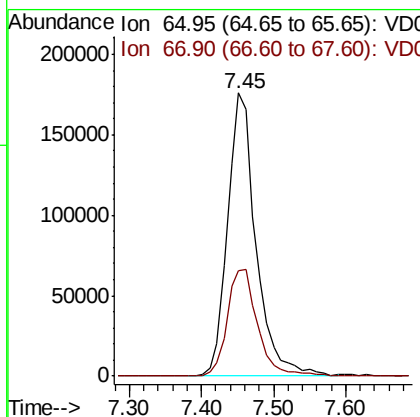
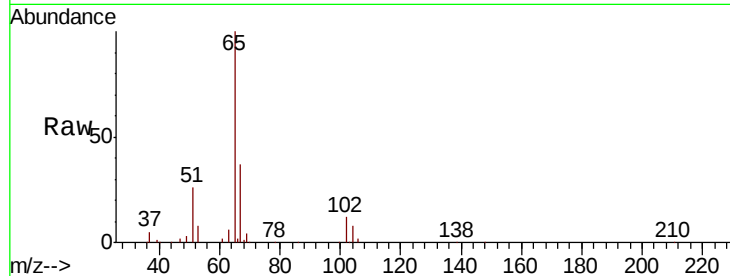




#33
 1,2-Dichloroethane-d4
 Concen: 52.915 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063370.D
 Acq: 3 Aug 2019 19:11

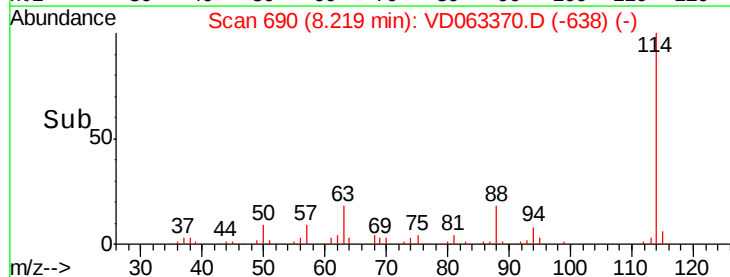
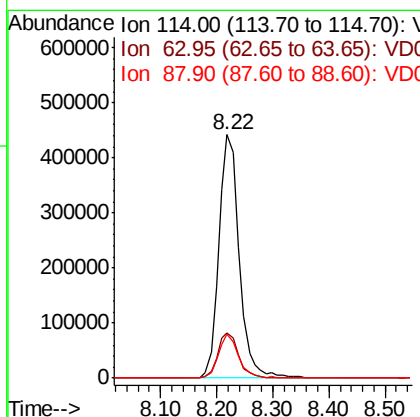
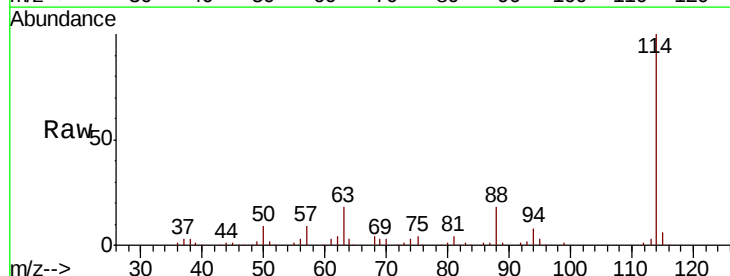
Instrument :
 MSVOA_D
 ClientSampleId :
 1S-A2-(30)

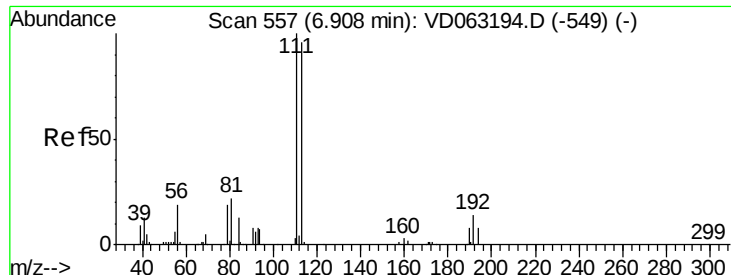
Tgt Ion: 65 Resp: 481984
 Ion Ratio Lower Upper
 65 100
 67 37.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063370.D
 Acq: 3 Aug 2019 19:11

Tgt Ion: 114 Resp: 1118980
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.2
 88 18.1 0.0 34.6





#35

Dibromofluoromethane

Concen: 53.117 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063370.D

Acq: 3 Aug 2019 19:11

Instrument :

MSVOA_D

ClientSampleId :

1S-A2-(30)

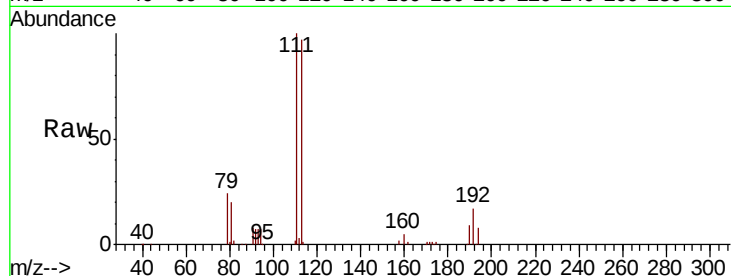
Tgt Ion:113 Resp: 507464

Ion Ratio Lower Upper

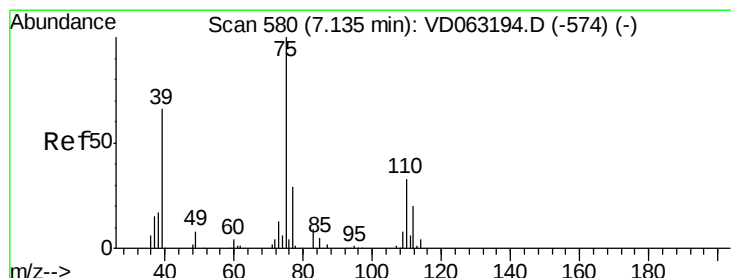
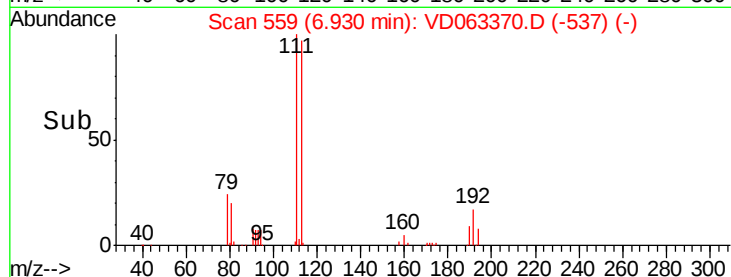
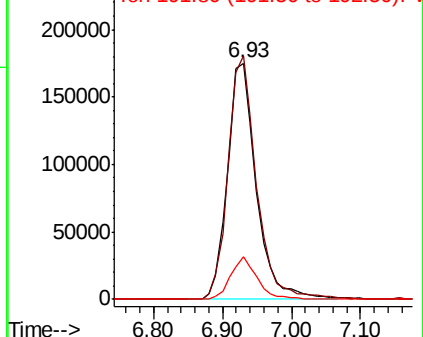
113 100

111 103.2 83.2 124.8

192 18.0 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: 6.245 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.09 min

Lab File: VD063370.D

Acq: 3 Aug 2019 19:11

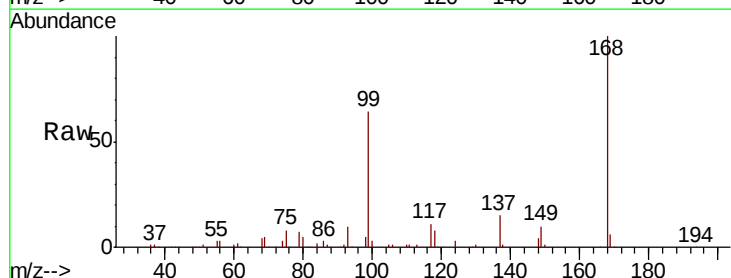
Tgt Ion: 75 Resp: 63777

Ion Ratio Lower Upper

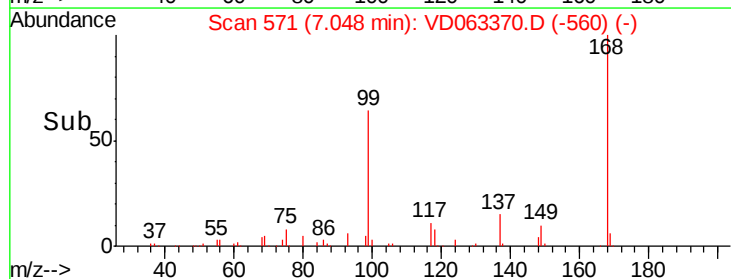
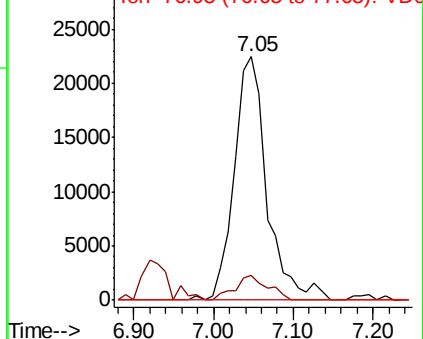
75 100

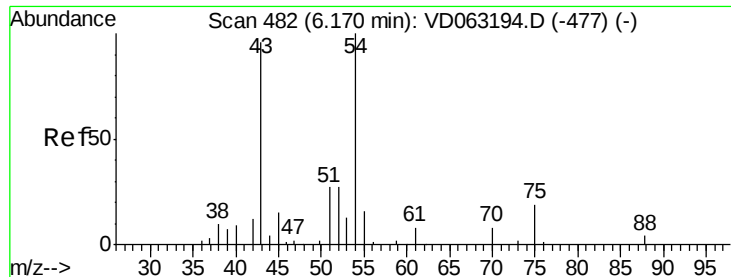
110 10.1 16.1 48.2#

77 0.0 22.7 34.1#



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

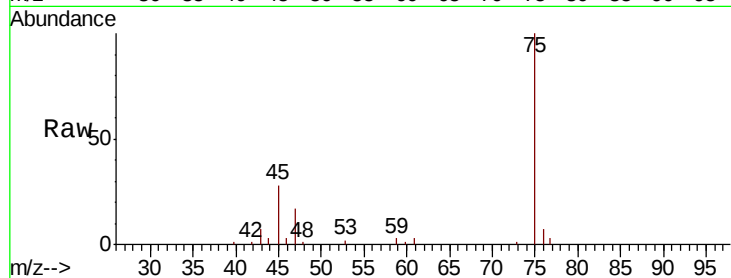




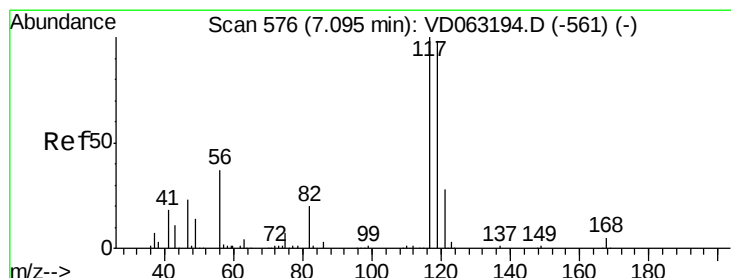
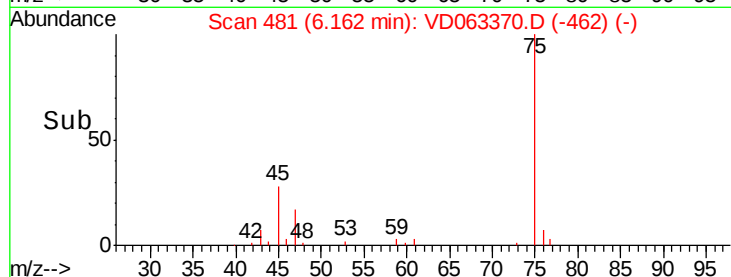
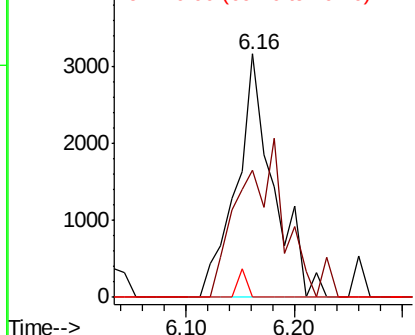
#37
Ethyl Acetate
Concen: 1.625 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD063370.D
Acq: 3 Aug 2019 19:11

Instrument :
MSVOA_D
ClientSampleId :
1S-A2-(30)

Tgt Ion: 43 Resp: 7457
Ion Ratio Lower Upper
43 100
61 52.2 11.3 16.9#
70 0.0 5.1 7.7#

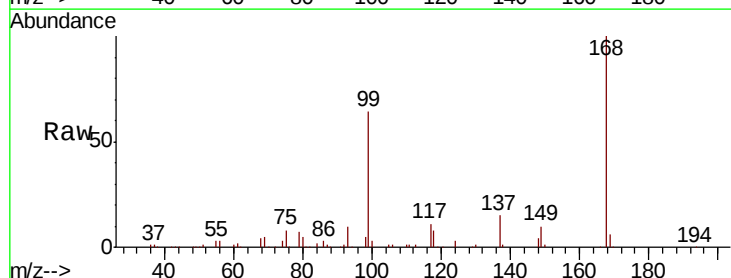


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

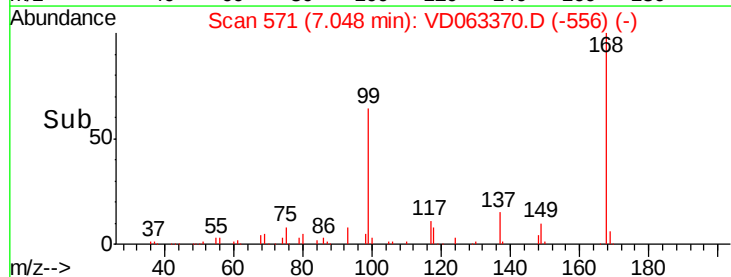
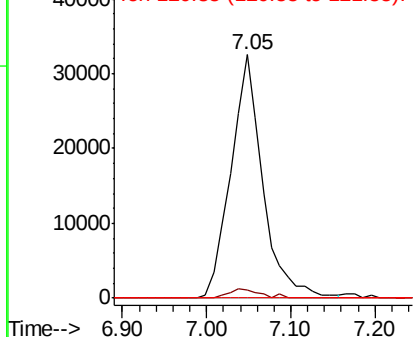


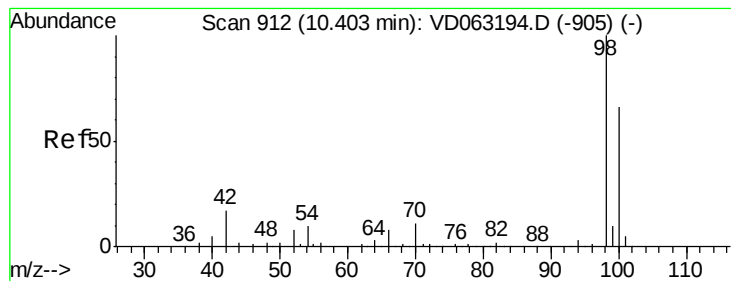
#38
Carbon Tetrachloride
Concen: 5.558 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.05 min
Lab File: VD063370.D
Acq: 3 Aug 2019 19:11

Tgt Ion: 117 Resp: 85448
Ion Ratio Lower Upper
117 100
119 3.5 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: 48.446 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063370.D

Acq: 3 Aug 2019 19:11

Instrument :

MSVOA_D

ClientSampleId :

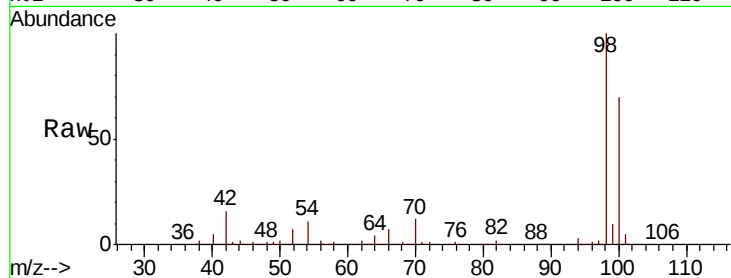
1S-A2-(30)

Tgt Ion: 98 Resp: 1035836

Ion Ratio Lower Upper

98 100

100 70.1 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VD063194.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD063194.D (-905) (-)

10.41

400000

300000

200000

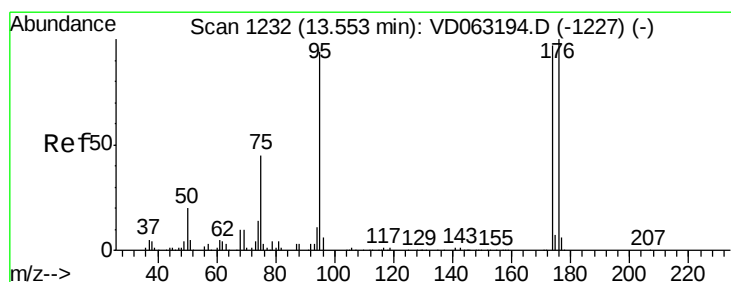
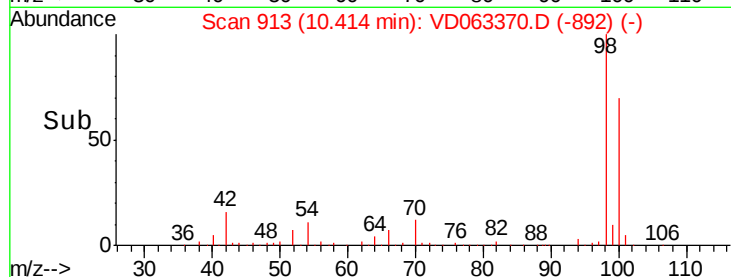
100000

0

10.40

10.60

Time-->



#62

4-Bromofluorobenzene

Concen: 42.961 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063370.D

Acq: 3 Aug 2019 19:11

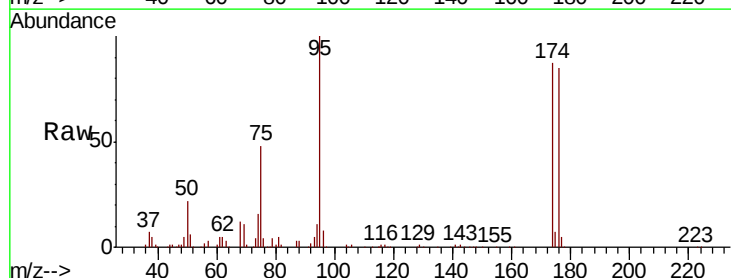
Tgt Ion: 95 Resp: 418577

Ion Ratio Lower Upper

95 100

174 87.5 0.0 205.4

176 85.4 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VD063194.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD063194.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD063194.D (-1227) (-)

13.55

400000

300000

200000

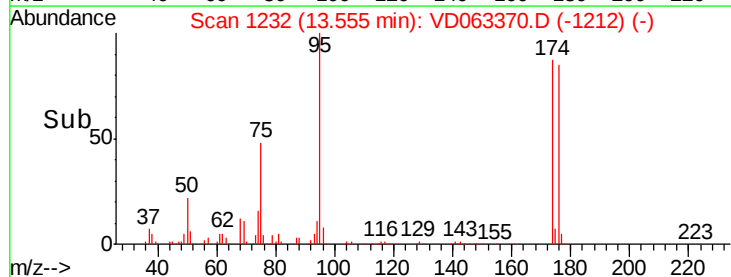
100000

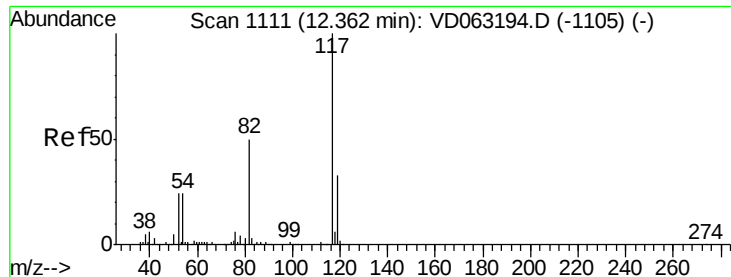
0

13.50

13.60

Time-->

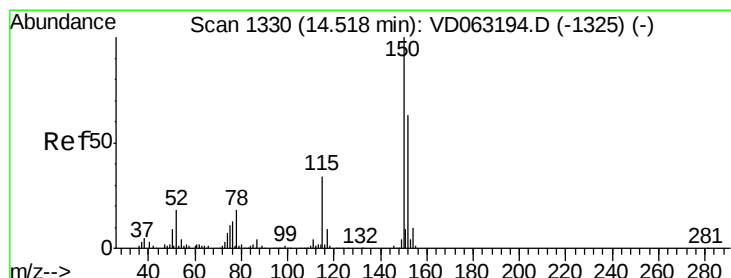
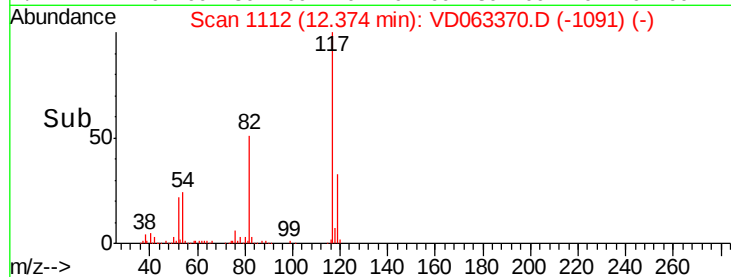
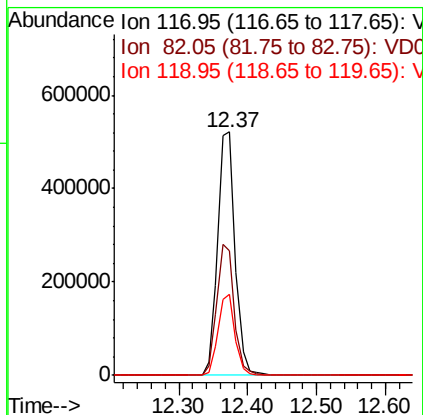
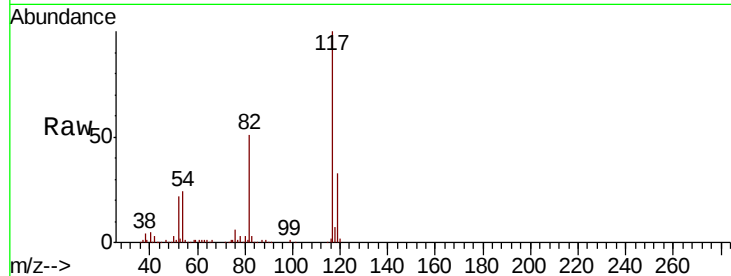




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063370.D
Acq: 3 Aug 2019 19:11

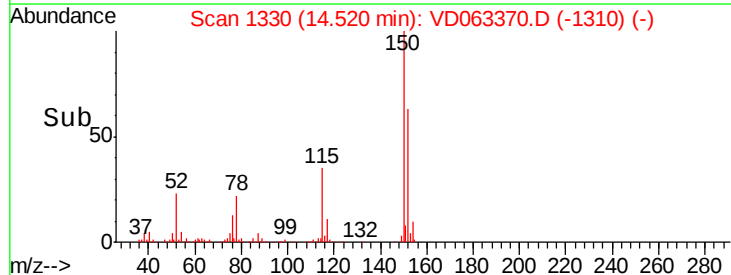
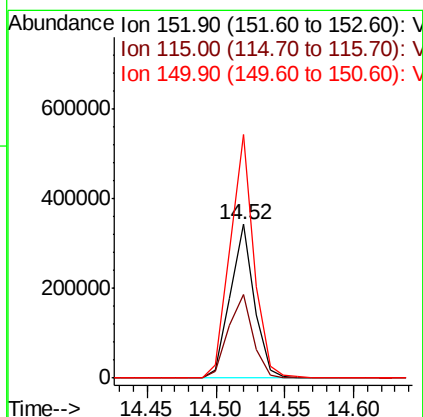
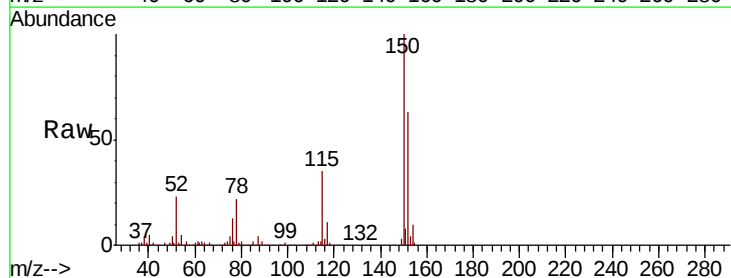
Instrument :
MSVOA_D
ClientSampleId :
1S-A2-(30)

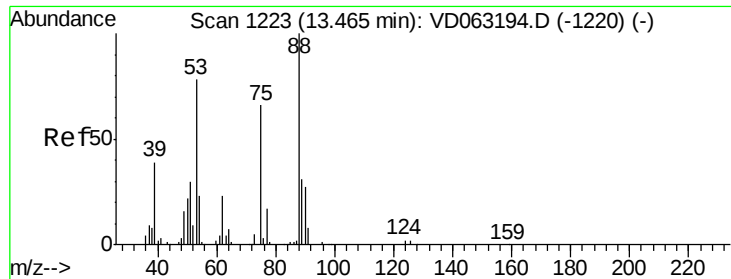
Tgt Ion:117 Resp: 919201
Ion Ratio Lower Upper
117 100
82 51.1 40.1 60.1
119 33.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063370.D
Acq: 3 Aug 2019 19:11

Tgt Ion:152 Resp: 414976
Ion Ratio Lower Upper
152 100
115 54.7 27.5 82.4
150 158.3 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 143.208 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063370.D

Acq: 3 Aug 2019 19:11

Instrument :

MSVOA_D

ClientSampleId :

1S-A2-(30)

Tgt Ion: 75 Resp: 198209

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

