

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063208.D
 Acq On : 29 Jul 2019 19:23
 Operator : VA/AP
 Sample : K4049-01
 Misc : 4.33g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1

Quant Time: Jul 30 03:18:26 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	7.04	168	707968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	941718	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	679965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	243562	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	477819	60.83	ug/l	0.00
Spiked Amount			Recovery	=	121.66%	
35) Dibromofluoromethane	6.91	113	547042	68.04	ug/l	0.00
Spiked Amount			Recovery	=	136.08%	
50) Toluene-d8	10.41	98	1057701	58.78	ug/l	0.00
Spiked Amount			Recovery	=	117.56%	
62) 4-Bromofluorobenzene	13.55	95	346457	42.25	ug/l	0.00
Spiked Amount			Recovery	=	84.50%	

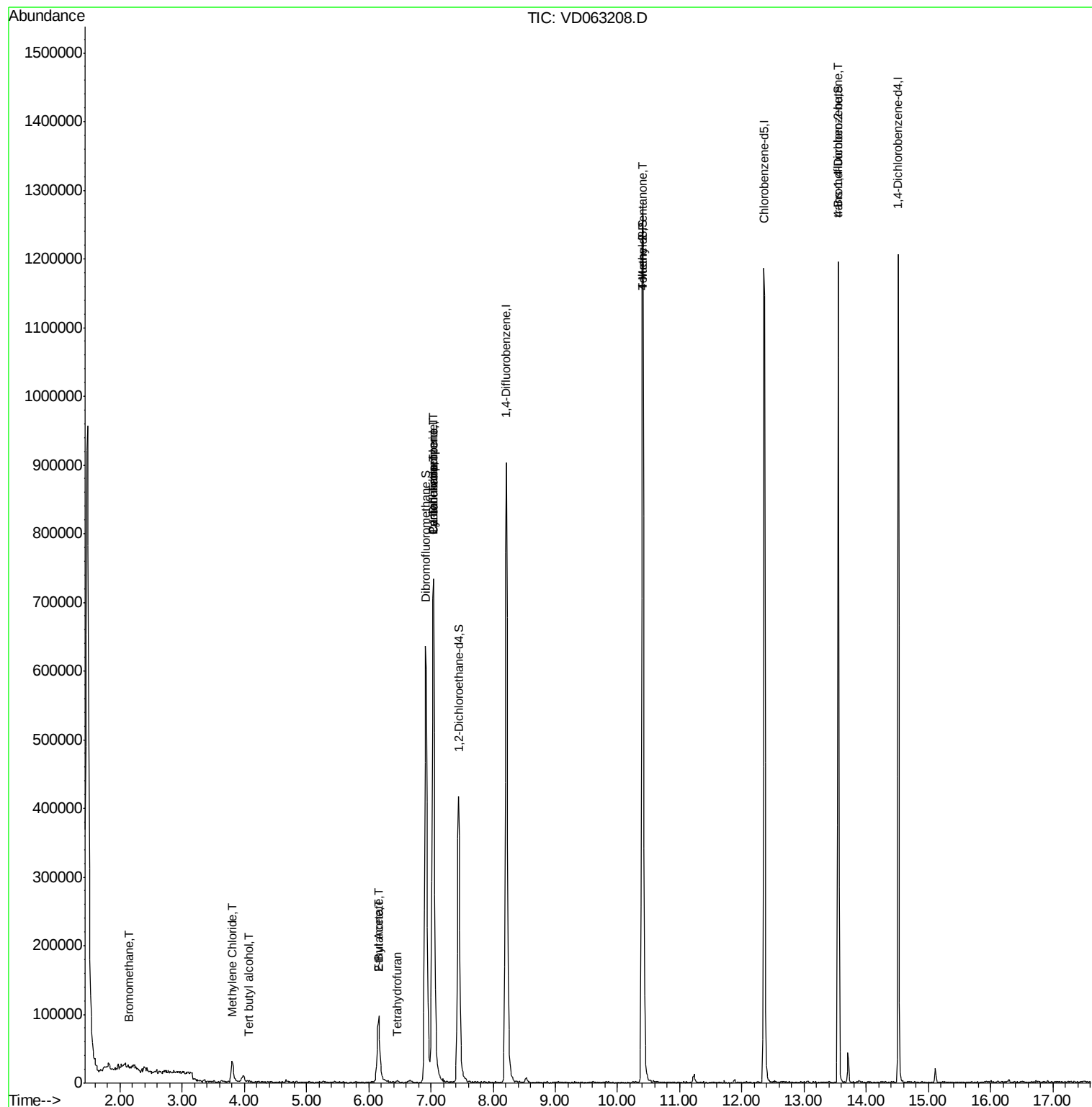
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	3545	1.010	ug/l #	12
11) Tert butyl alcohol	4.07	59	1884	5.465	ug/l #	69
20) Methylene Chloride	3.80	84	21998	3.556	ug/l	89
25) 2-Butanone	6.16	43	7994	5.204	ug/l #	56
29) Tetrahydrofuran	6.46	42	772	1.062	ug/l #	46
31) Cyclohexane	7.04	56	16908	2.416	ug/l #	3
36) 1,1-Dichloropropene	7.03	75	55282	6.432	ug/l #	56
37) Ethyl Acetate	6.16	43	7994	2.070	ug/l #	23
38) Carbon Tetrachloride	7.04	117	73072	5.648	ug/l #	14
51) 4-Methyl-2-Pentanone	10.40	43	5920	1.765	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	166383	204.817	ug/l #	3

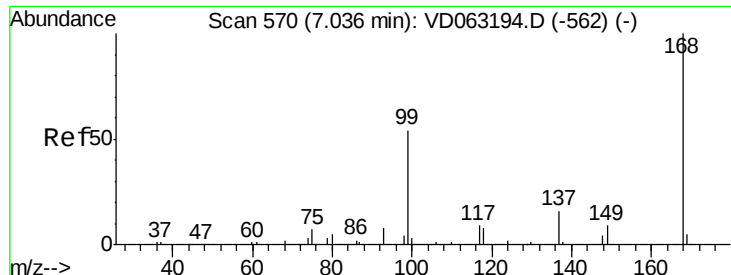
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
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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: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063208.D

Acq: 29 Jul 2019 19:23

Instrument :

MSVOA_D

ClientSampled :

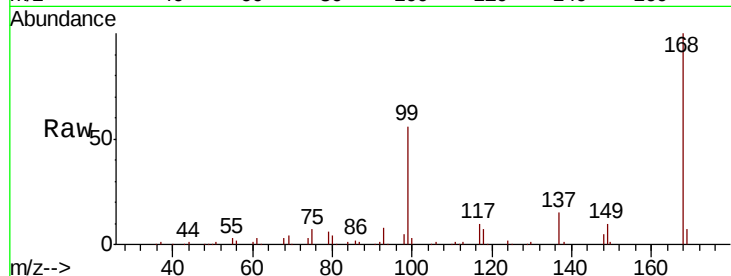
SP-1

Tot Ion:168 Resp: 707968

Ion Ratio Lower Upper

168 100

99 55.6 43.7 65.5

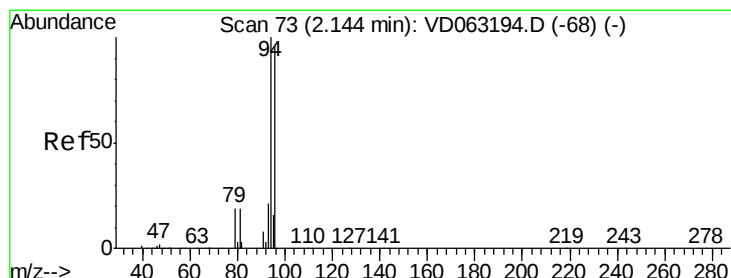
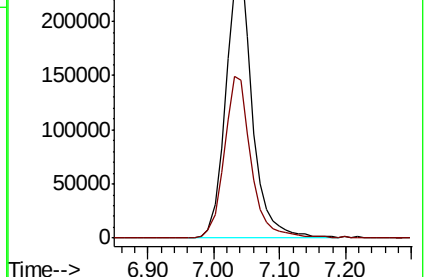
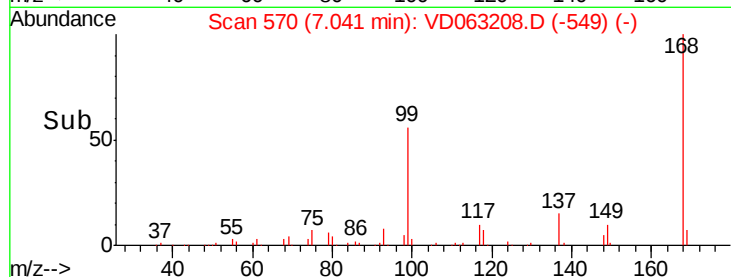


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

Time-->



#5

Bromomethane

Concen: 1.010 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063208.D

Acq: 29 Jul 2019 19:23

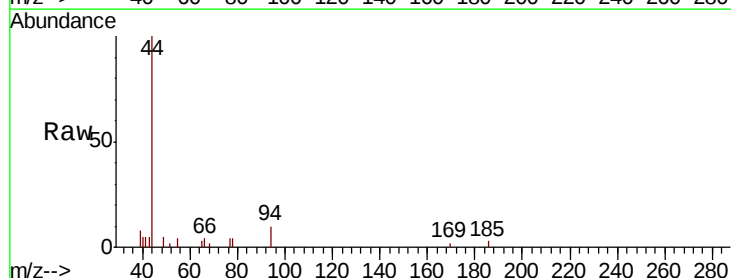
Tgt Ion: 94 Resp: 3545

Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#

93 0.0 17.3 25.9#



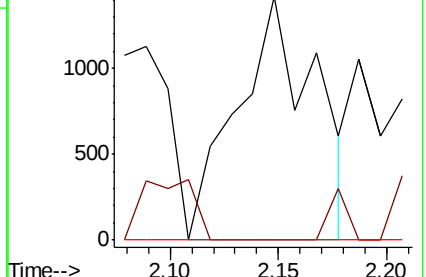
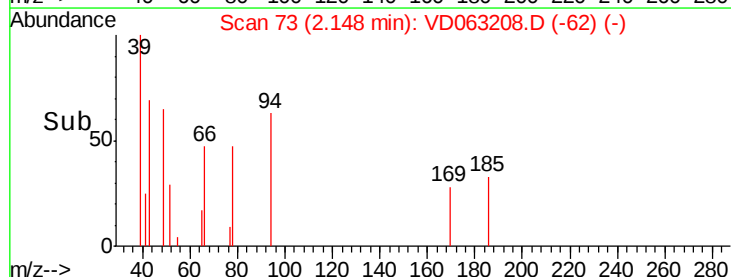
Abundance Ion 94.00 (93.70 to 94.70): VDC

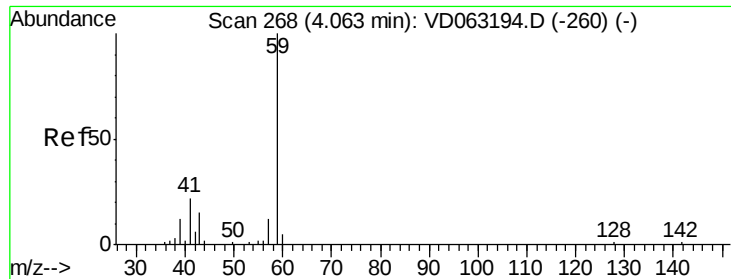
Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.15

Time-->

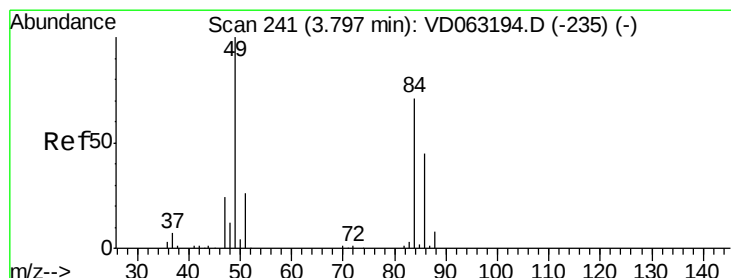
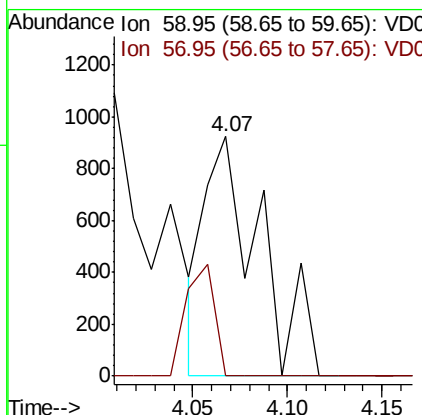
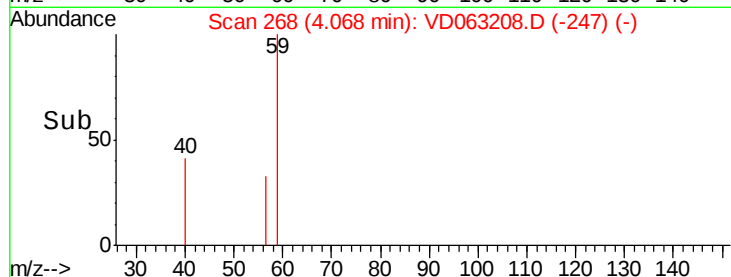
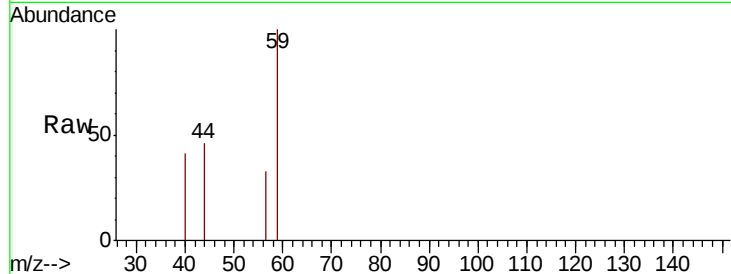




#11
Tert butyl alcohol
Concen: 5.465 ug/l
RT: 4.07 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD063208.D
Acq: 29 Jul 2019 19:23

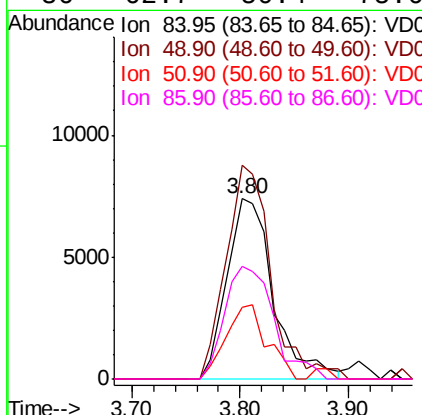
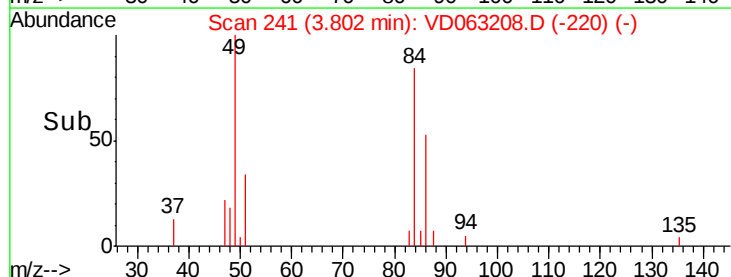
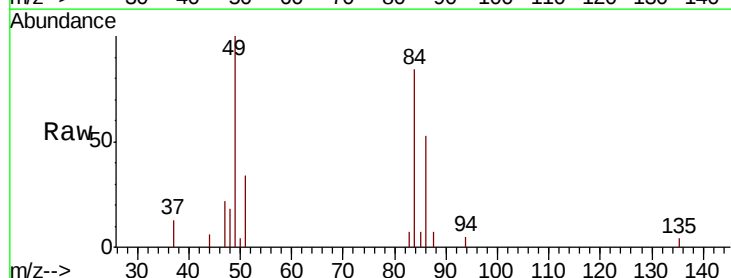
Instrument :
MSVOA_D
ClientSampled :
SP-1

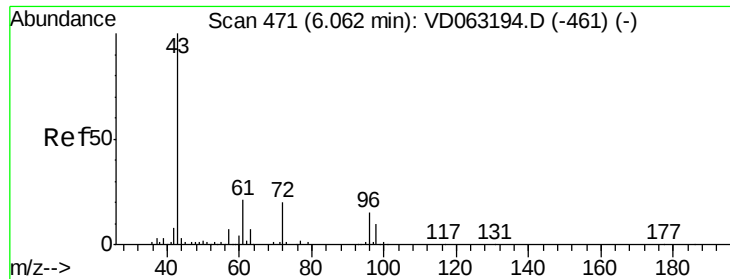
Tot Ion: 59 Resp: 1884
Ion Ratio Lower Upper
59 100
57 0.0 9.6 14.4#



#20
Methylene Chloride
Concen: 3.556 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063208.D
Acq: 29 Jul 2019 19:23

Tgt Ion: 84 Resp: 21998
Ion Ratio Lower Upper
84 100
49 118.5 112.5 168.7
51 39.9 29.6 44.4
86 62.7 50.4 75.6





#25

2-Butanone

Concen: 5.204 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.10 min

Lab File: VD063208.D

Acq: 29 Jul 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

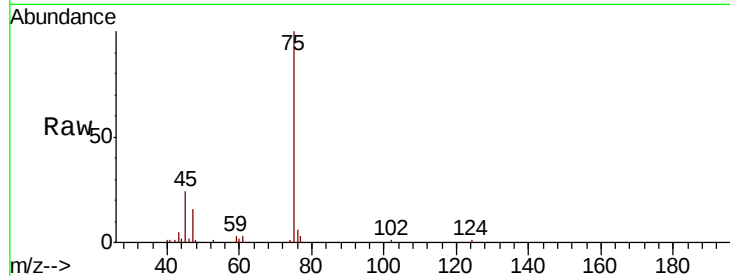
SP-1

Tot Ion: 43 Resp: 7994

Ion Ratio Lower Upper

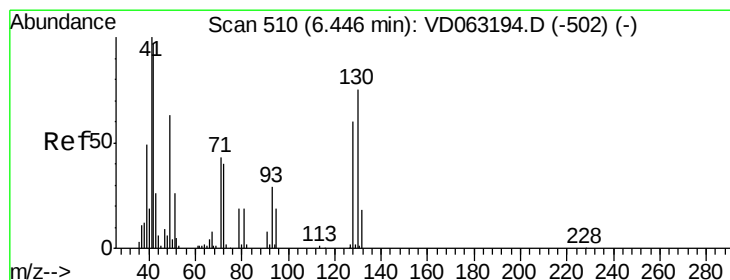
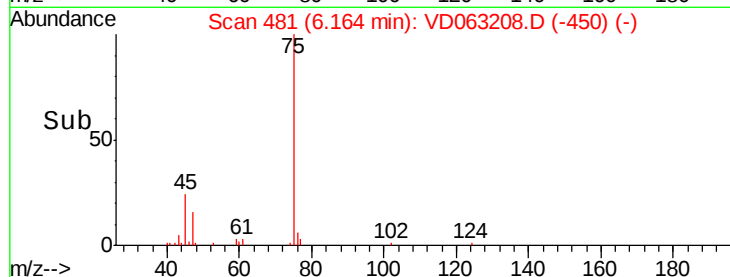
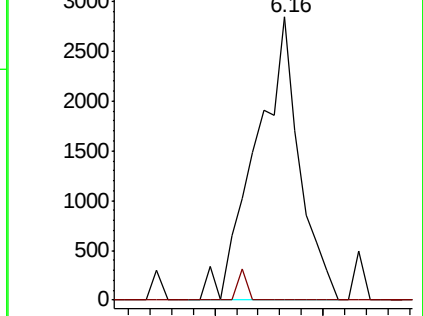
43 100

72 0.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.062 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063208.D

Acq: 29 Jul 2019 19:23

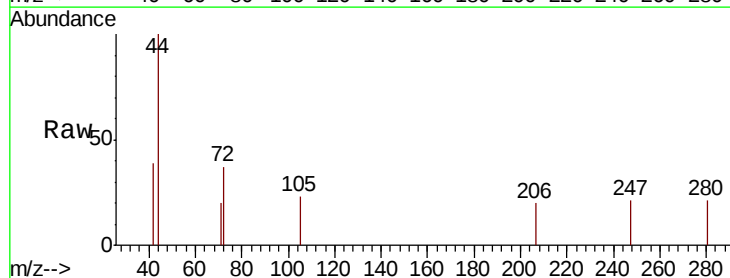
Tgt Ion: 42 Resp: 772

Ion Ratio Lower Upper

42 100

72 82.4 33.4 50.2#

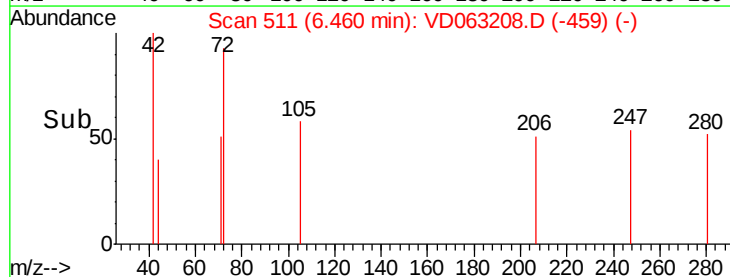
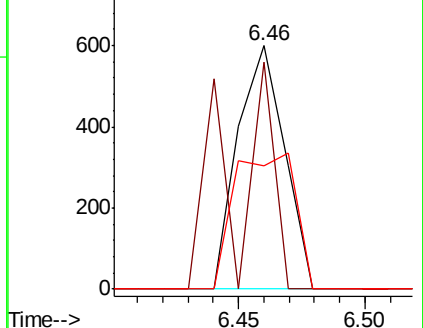
71 73.1 35.7 53.5#

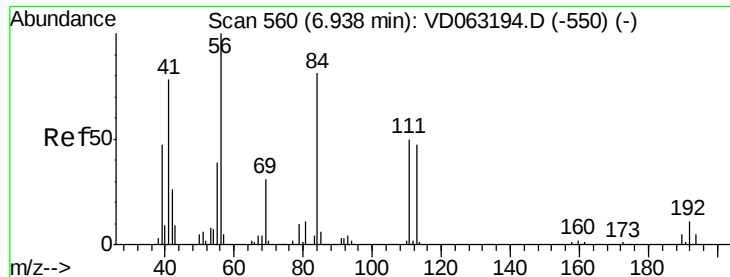


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

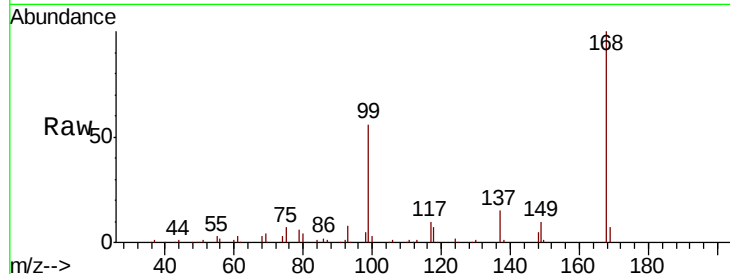




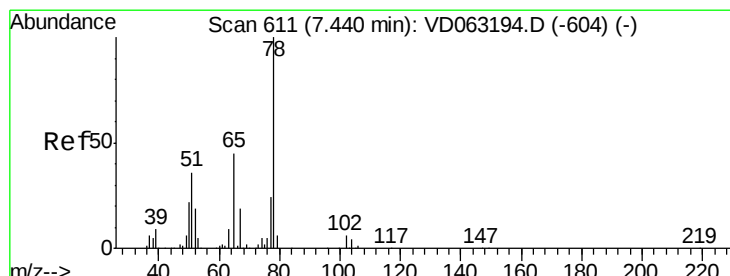
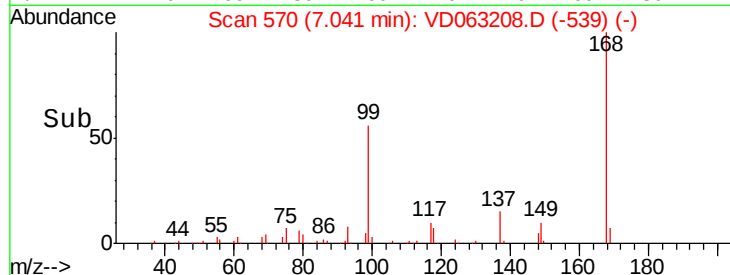
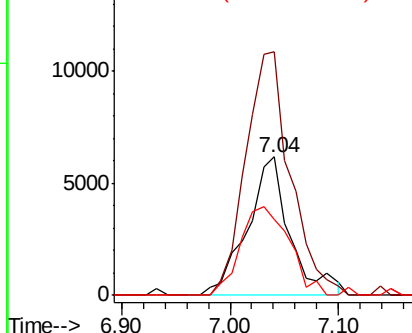
#31
Cyclohexane
Concen: 2.416 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063208.D
Acq: 29 Jul 2019 19:23

Instrument :
MSVOA_D
ClientSampled :
SP-1

Tot Ion	56	Resp	16908
Ion	Ratio	Lower	Upper
56	100		
69	180.8	24.5	36.7#
84	55.0	64.9	97.3#

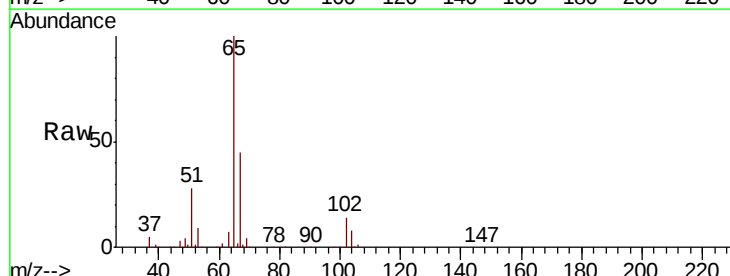


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

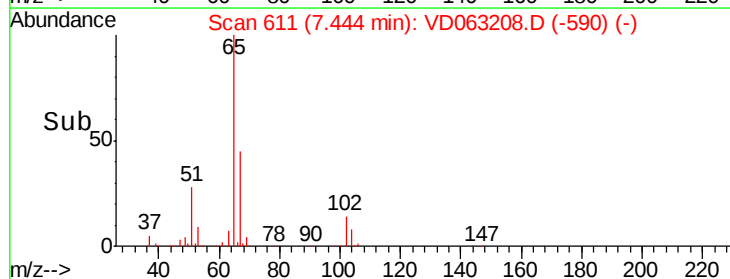
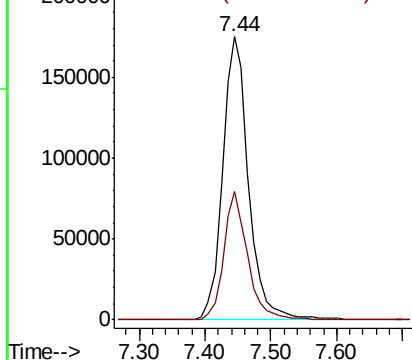


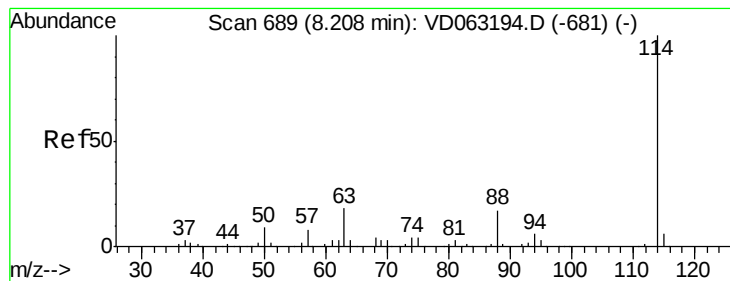
#33
1,2-Dichloroethane-d4
Concen: 60.825 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063208.D
Acq: 29 Jul 2019 19:23

Tgt Ion	65	Resp	477819
Ion	Ratio	Lower	Upper
65	100		
67	45.3	0.0	85.8



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: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063208.D

Acq: 29 Jul 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

SP-1

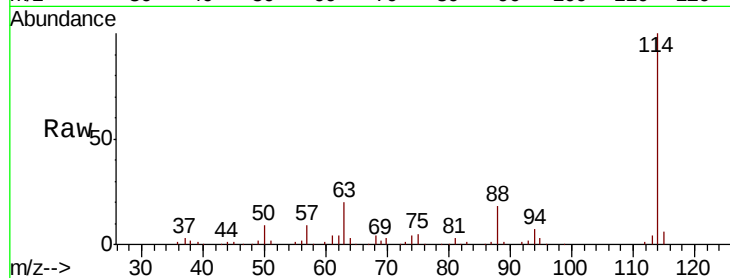
Tot Ion:114 Resp: 941718

Ion Ratio Lower Upper

114 100

63 20.3 0.0 35.2

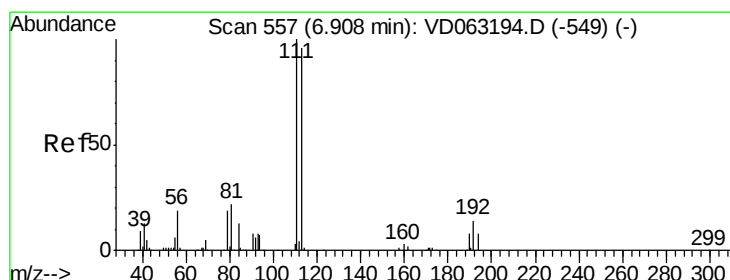
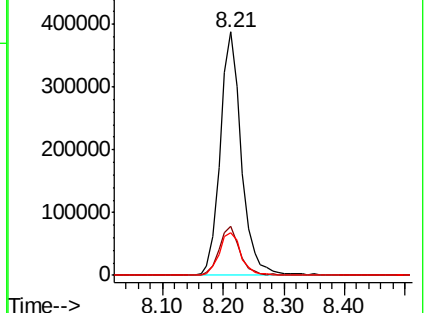
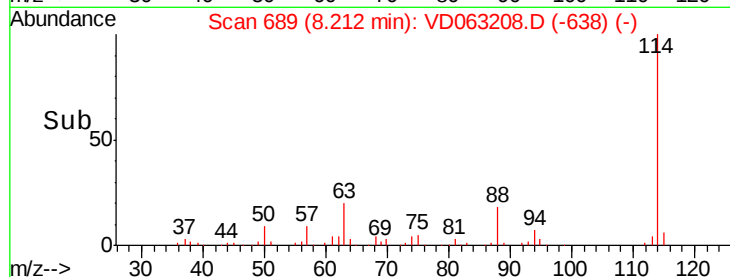
88 17.7 0.0 34.6



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: 68.038 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063208.D

Acq: 29 Jul 2019 19:23

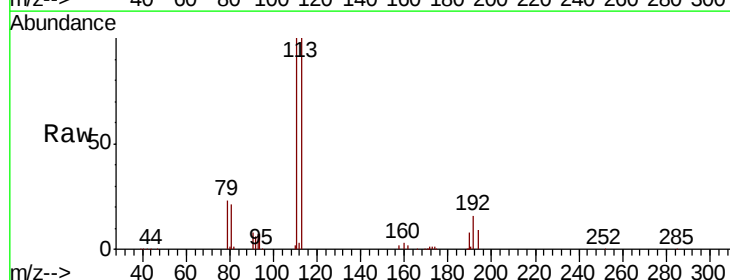
Tgt Ion:113 Resp: 547042

Ion Ratio Lower Upper

113 100

111 100.5 83.2 124.8

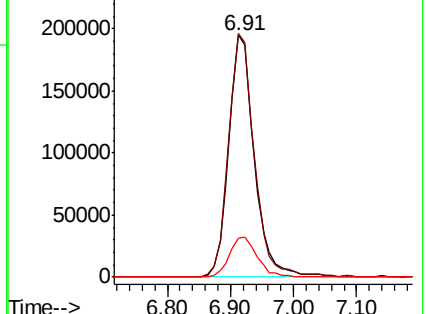
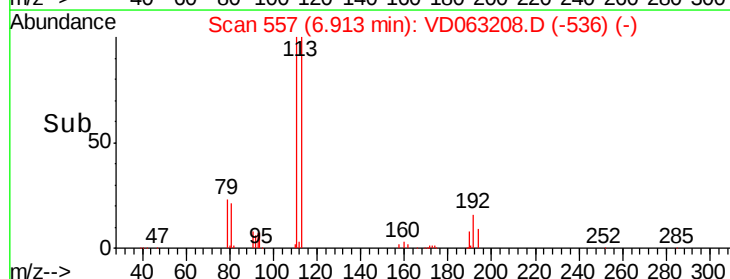
192 15.8 11.8 17.8

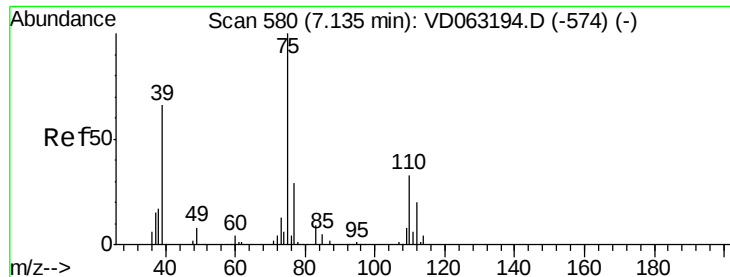


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.432 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063208.D

Acq: 29 Jul 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

SP-1

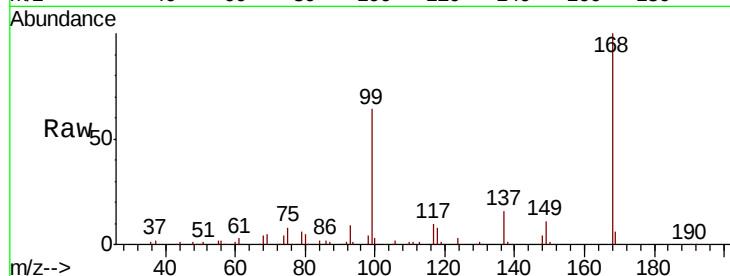
Tot Ion: 75 Resp: 55282

Ion Ratio Lower Upper

75 100

110 11.9 16.1 48.2#

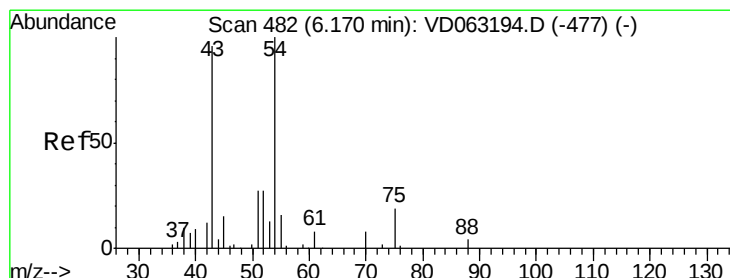
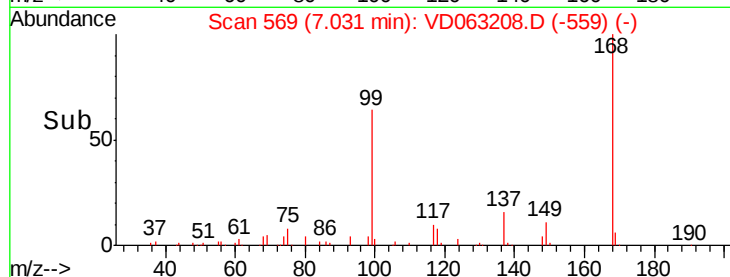
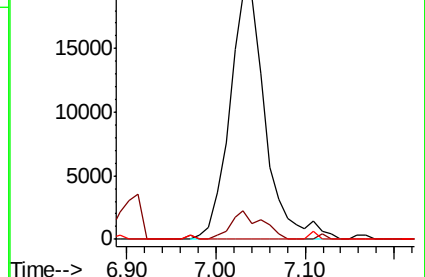
77 0.0 22.7 34.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 2.070 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD063208.D

Acq: 29 Jul 2019 19:23

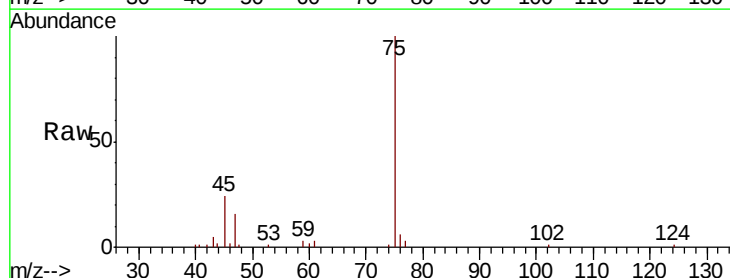
Tgt Ion: 43 Resp: 7994

Ion Ratio Lower Upper

43 100

61 56.3 11.3 16.9#

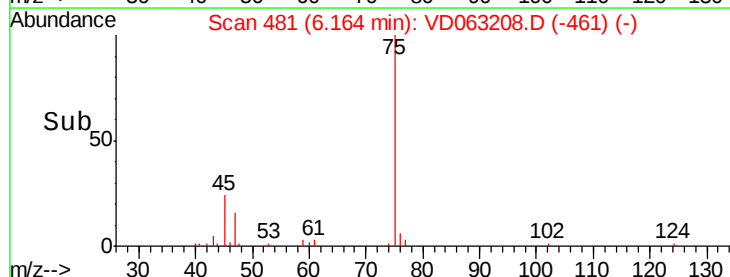
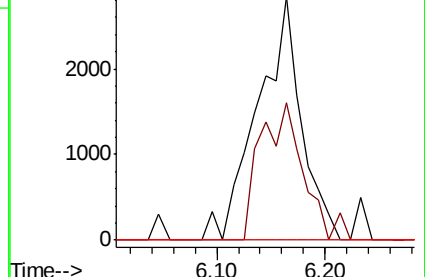
70 0.0 5.1 7.7#

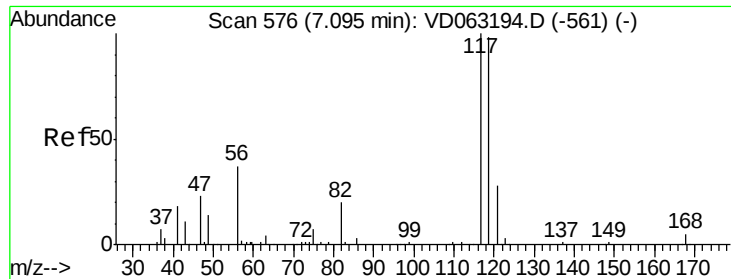


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.648 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD063208.D

Acq: 29 Jul 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

SP-1

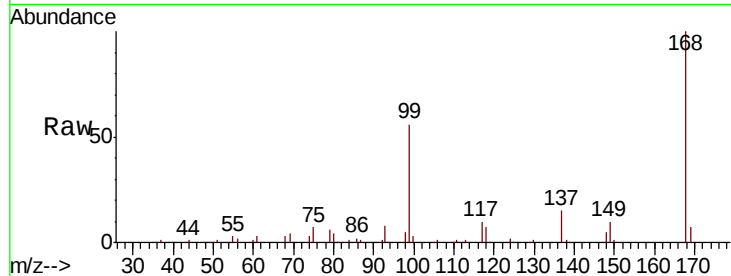
Tot Ion:117 Resp: 73072

Ion Ratio Lower Upper

117 100

119 3.9 78.2 117.2#

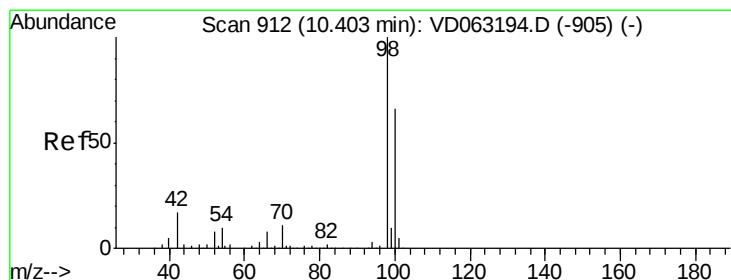
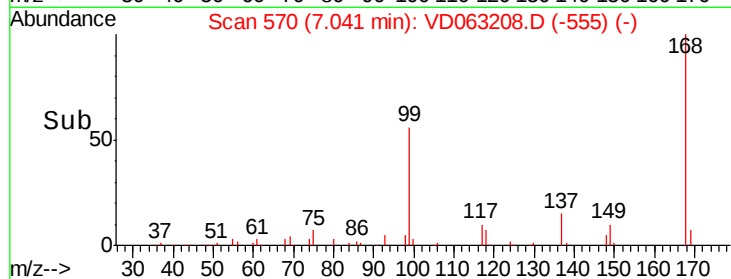
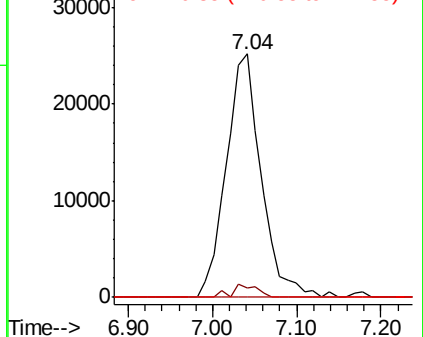
121 0.0 22.1 33.1#



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: 58.781 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063208.D

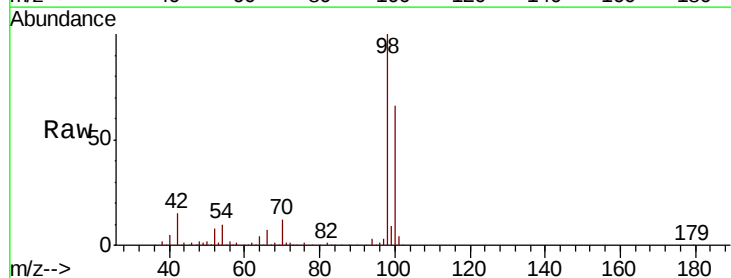
Acq: 29 Jul 2019 19:23

Tgt Ion: 98 Resp: 1057701

Ion Ratio Lower Upper

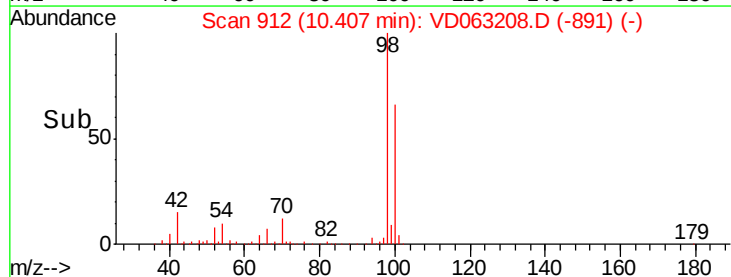
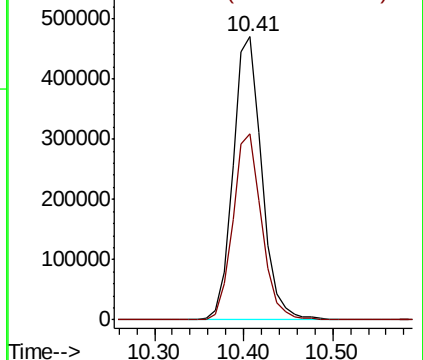
98 100

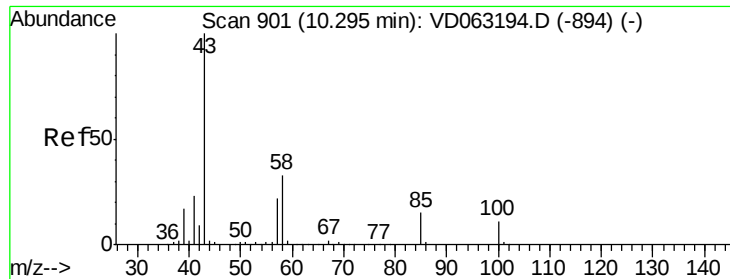
100 65.6 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.765 ug/l

RT: 10.40 min Scan# 911

Delta R.T. 0.10 min

Lab File: VD063208.D

Acq: 29 Jul 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

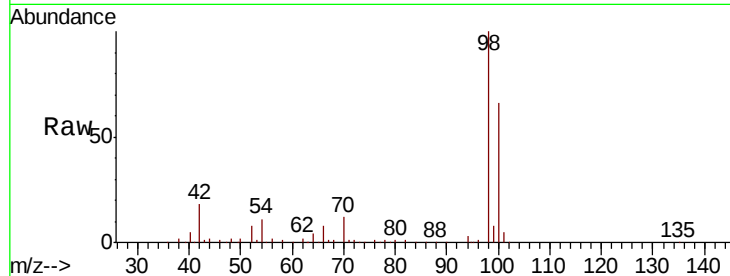
SP-1

Tot Ion: 43 Resp: 5920

Ion Ratio Lower Upper

43 100

58 176.4 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

5000

4000

3000

2000

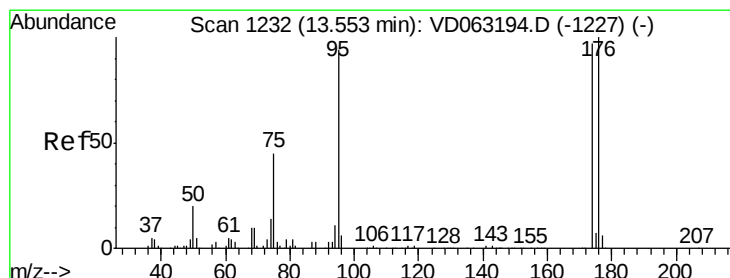
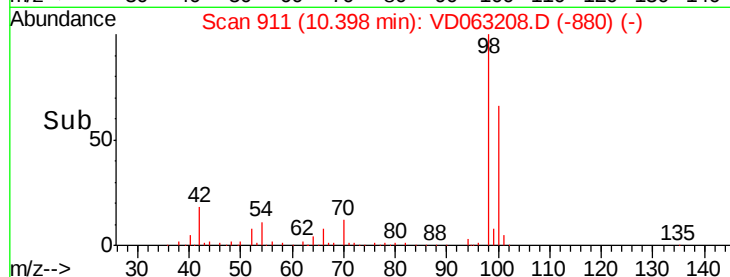
1000

0

Time-->

10.30 10.35 10.40 10.45

10.40



#62

4-Bromofluorobenzene

Concen: 42.252 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063208.D

Acq: 29 Jul 2019 19:23

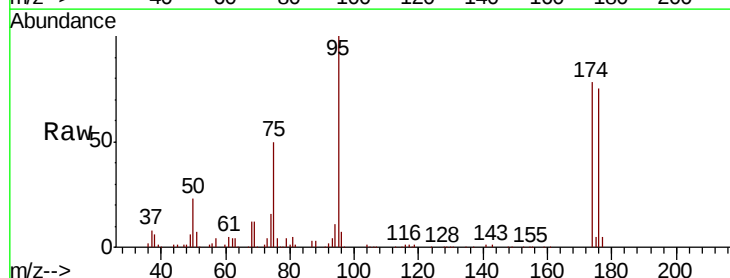
Tgt Ion: 95 Resp: 346457

Ion Ratio Lower Upper

95 100

174 77.7 0.0 205.4

176 74.9 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

300000

250000

200000

150000

100000

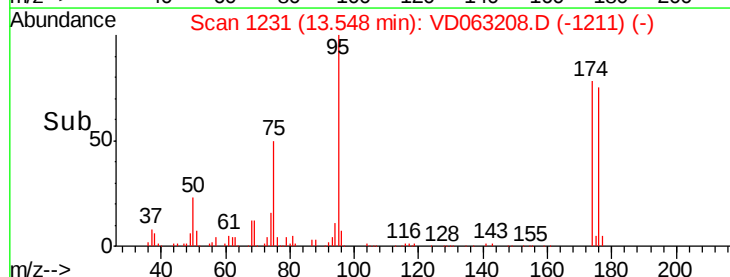
50000

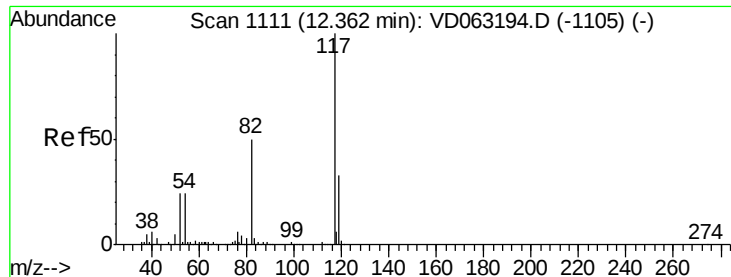
0

Time-->

13.50 13.55 13.60

13.55

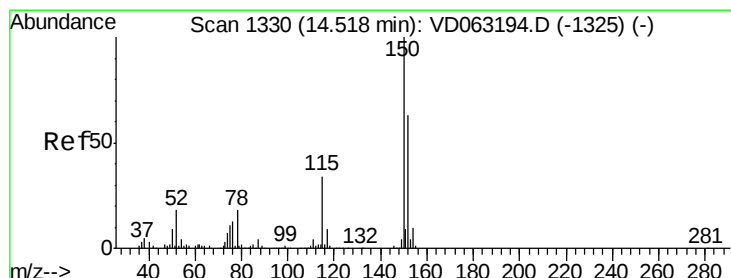
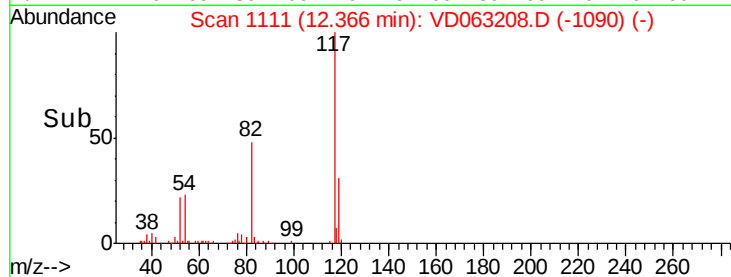
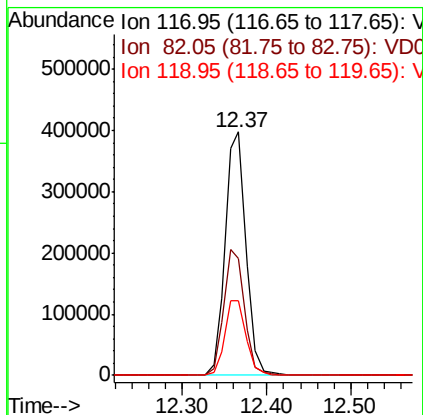
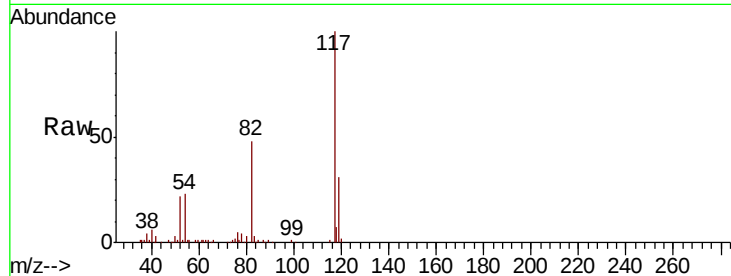




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063208.D
Acq: 29 Jul 2019 19:23

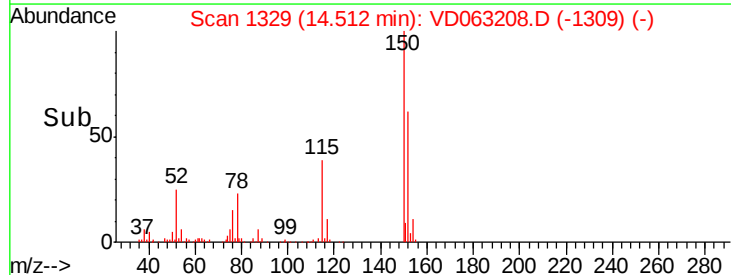
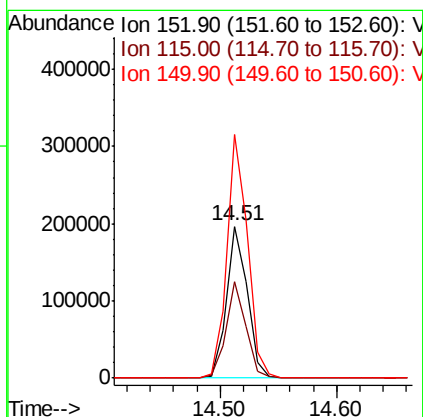
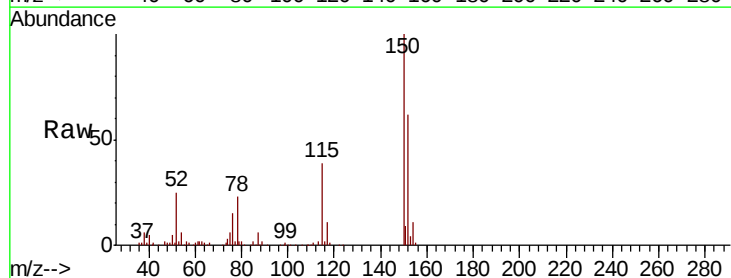
Instrument :
MSVOA_D
ClientSampled :
SP-1

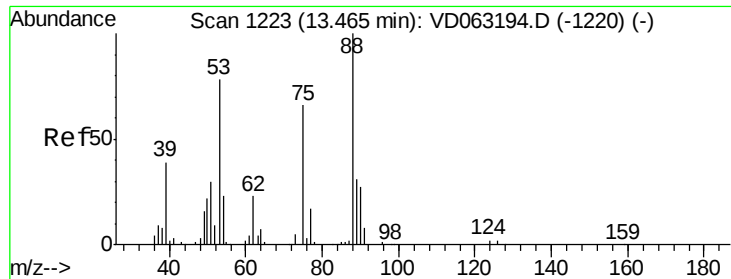
Tot Ion:117 Resp: 679965
Ion Ratio Lower Upper
117 100
82 48.2 40.1 60.1
119 30.9 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063208.D
Acq: 29 Jul 2019 19:23

Tgt Ion:152 Resp: 243562
Ion Ratio Lower Upper
152 100
115 63.3 27.5 82.4
150 160.5 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 204.817 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063208.D

Acq: 29 Jul 2019 19:23

Instrument :

MSVOA_D

ClientSampleId :

SP-1

Tot Ion: 75 Resp: 166383

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

