

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080319\
 Data File : VD063360.D
 Acq On : 3 Aug 2019 14:40
 Operator : VA/AP
 Sample : K4136-05
 Misc : 4.92g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-C4-(0-1)

Quant Time: Aug 04 06:07:27 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	1054593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1504713	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1201566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	633556	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	556753	47.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.16%	
35) Dibromofluoromethane	6.92	113	595361	46.34	ug/l	0.02
Spiked Amount 50.000			Recovery	=	92.68%	
50) Toluene-d8	10.41	98	1335700	46.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.92%	
62) 4-Bromofluorobenzene	13.55	95	554139	42.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.58%	

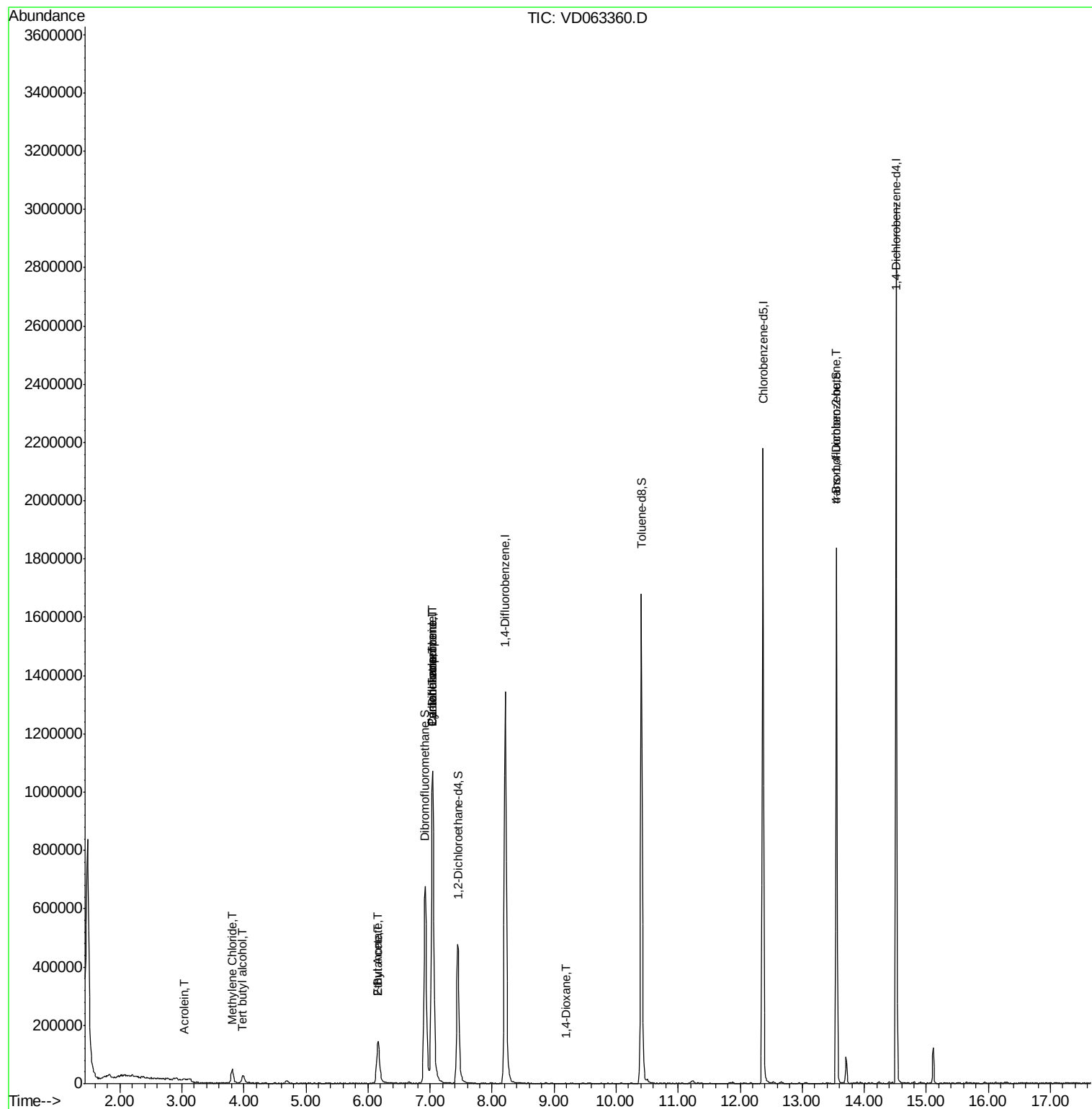
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	24541	47.789	ug/l #	69
13) Acrolein	3.05	56	627	1.269	ug/l	95
20) Methylene Chloride	3.81	84	29679	3.220	ug/l #	68
25) 2-Butanone	6.16	43	12451	5.442	ug/l #	80
31) Cyclohexane	7.03	56	22489	2.158	ug/l #	16
36) 1,1-Dichloropropene	7.03	75	80758	5.881	ug/l #	52
37) Ethyl Acetate	6.16	43	12451	2.018	ug/l #	9
38) Carbon Tetrachloride	7.04	117	102394	4.953	ug/l #	14
49) 1,4-Dioxane	9.18	88	325	3.403	ug/l #	22
81) trans-1,4-Dichloro-2-buten	13.55	75	245797	116.321	ug/l #	3

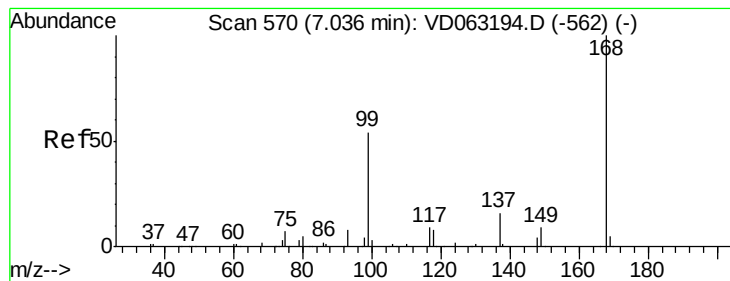
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
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. 0.01 min

Lab File: VD063360.D

Acq: 3 Aug 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

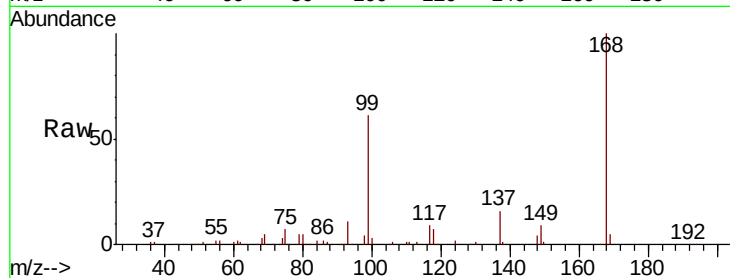
1S-C4-(0-1)

Tgt Ion:168 Resp: 1054593

Ion Ratio Lower Upper

168 100

99 61.1 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

400000

300000

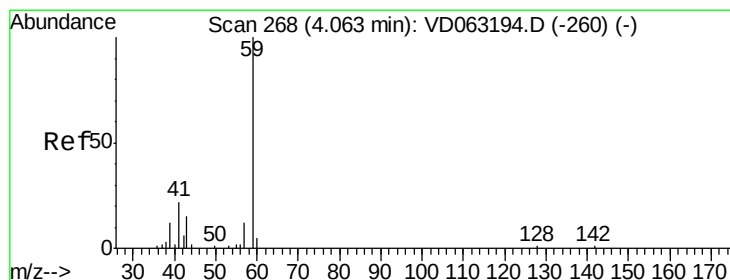
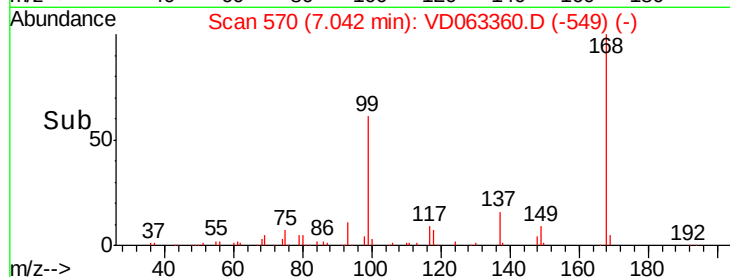
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 47.789 ug/l

RT: 3.98 min Scan# 259

Delta R.T. -0.08 min

Lab File: VD063360.D

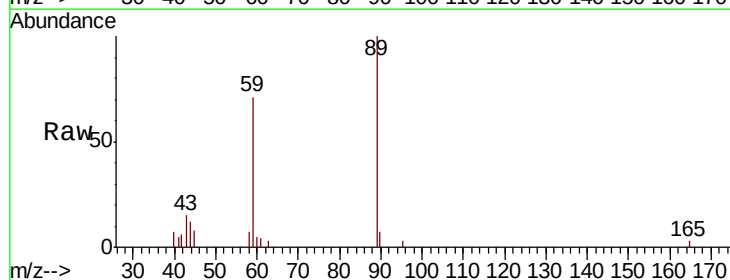
Acq: 3 Aug 2019 14:40

Tgt Ion: 59 Resp: 24541

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

3.98

8000

6000

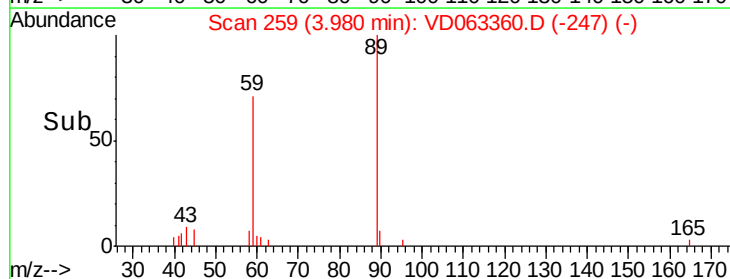
4000

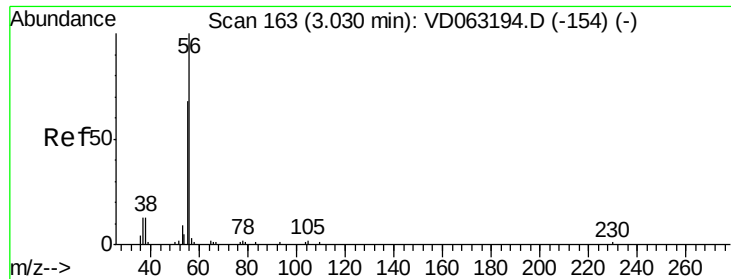
2000

0

Time-->

3.90 4.00 4.10





#13

Acrolein

Concen: 1.269 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD063360.D

Acq: 3 Aug 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

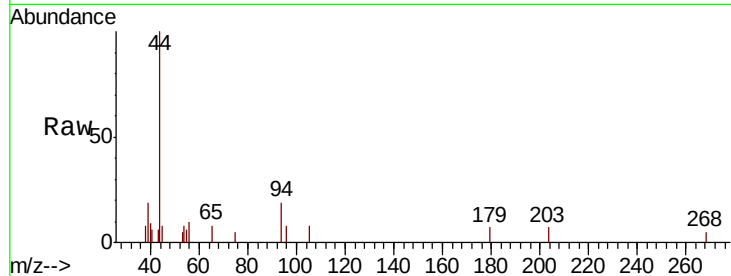
1S-C4-(0-1)

Tgt Ion: 56 Resp: 627

Ion Ratio Lower Upper

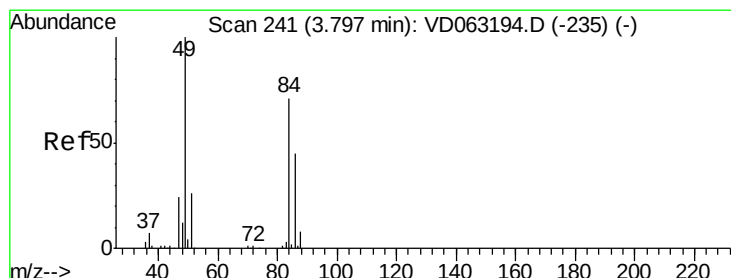
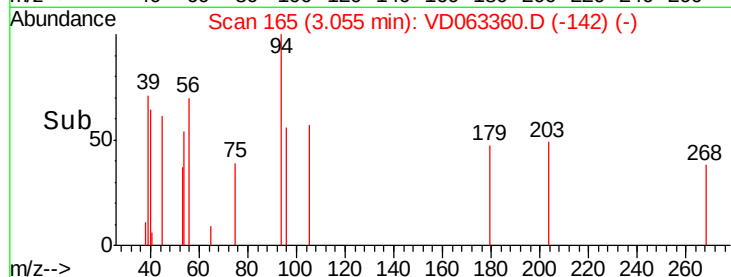
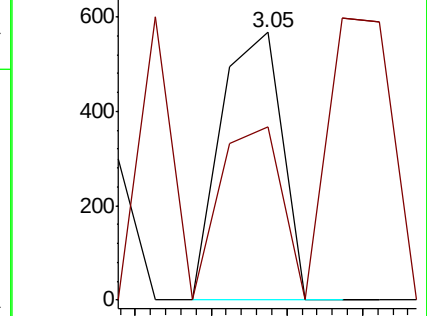
56 100

55 64.7 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#20

Methylene Chloride

Concen: 3.220 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.02 min

Lab File: VD063360.D

Acq: 3 Aug 2019 14:40

Tgt Ion: 84 Resp: 29679

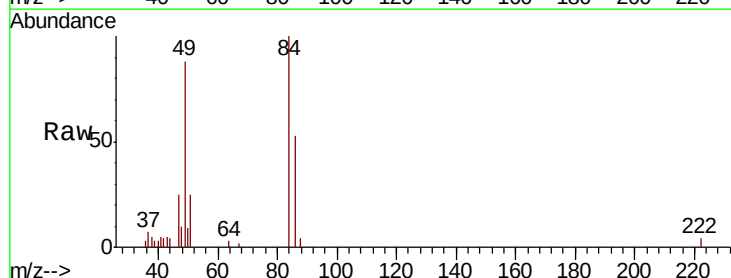
Ion Ratio Lower Upper

84 100

49 88.1 112.5 168.7#

51 24.7 29.6 44.4#

86 53.0 50.4 75.6

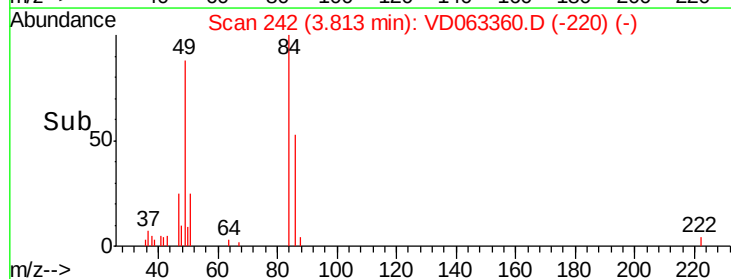
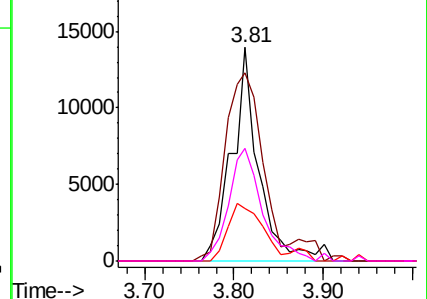


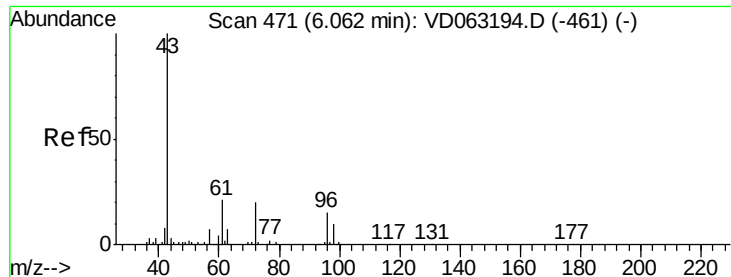
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

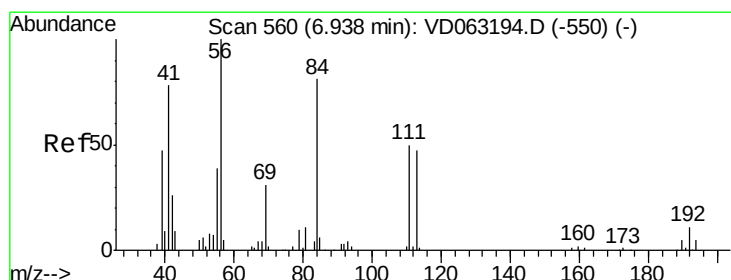
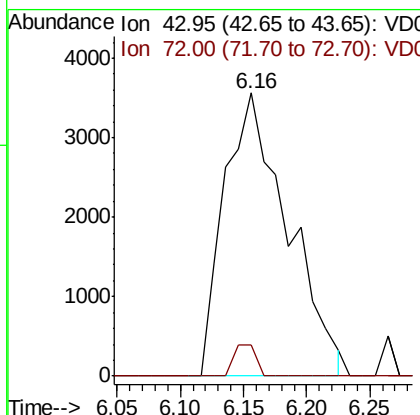
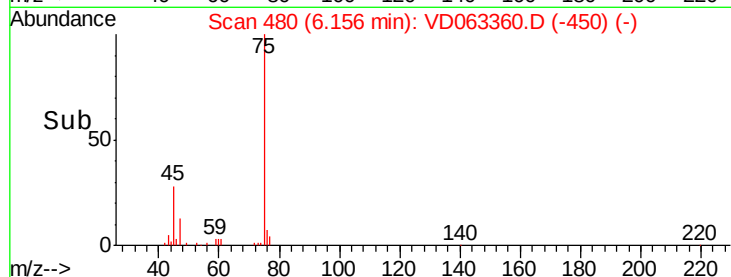
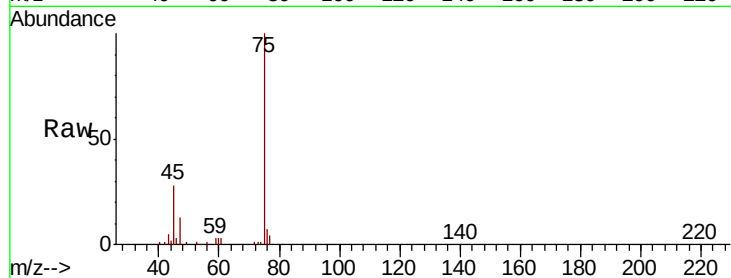




#25
2-Butanone
Concen: 5.442 ug/l
RT: 6.16 min Scan# 480
Delta R.T. 0.09 min
Lab File: VD063360.D
Acq: 3 Aug 2019 14:40

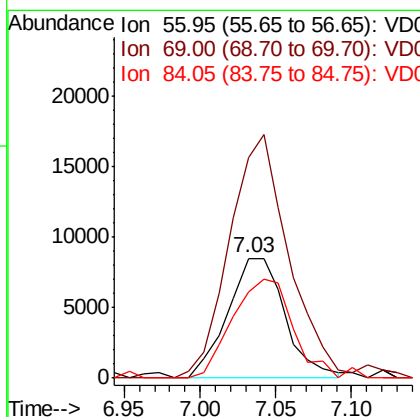
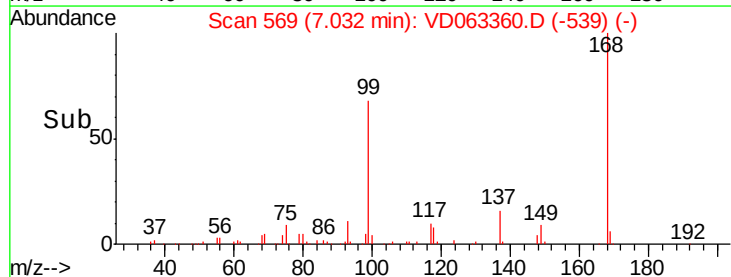
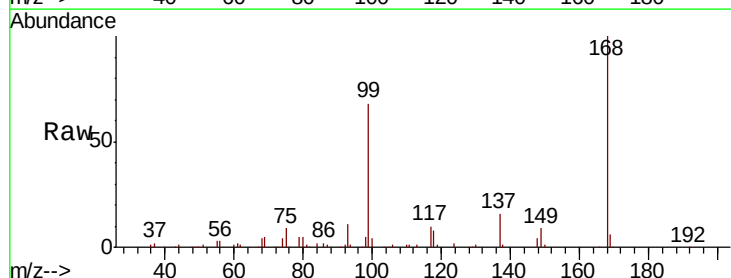
Instrument :
MSVOA_D
ClientSampleId :
1S-C4-(0-1)

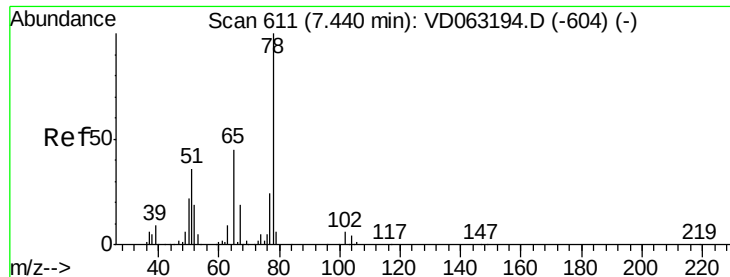
Tgt Ion: 43 Resp: 12451
Ion Ratio Lower Upper
43 100
72 11.2 16.3 24.5#



#31
Cyclohexane
Concen: 2.158 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD063360.D
Acq: 3 Aug 2019 14:40

Tgt Ion: 56 Resp: 22489
Ion Ratio Lower Upper
56 100
69 184.0 24.5 36.7#
84 72.0 64.9 97.3

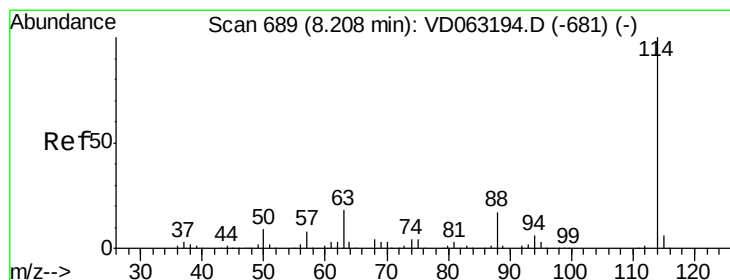
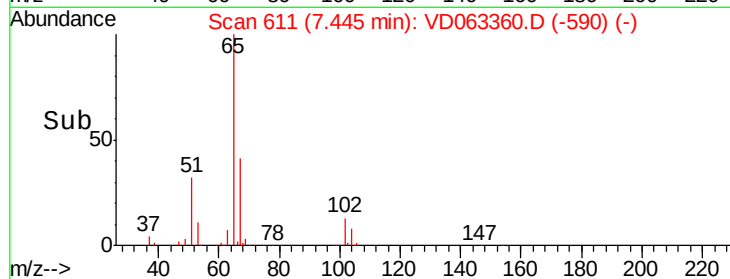
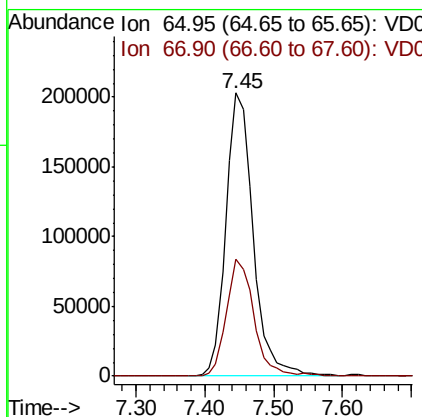
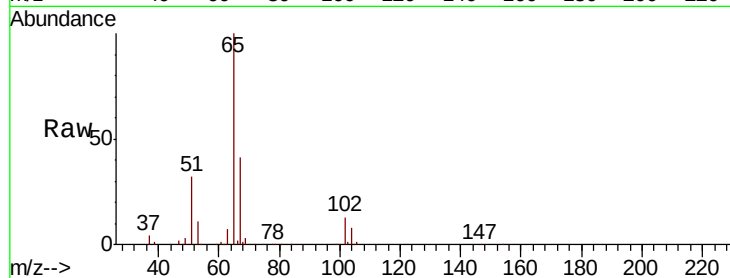




#33
 1,2-Dichloroethane-d4
 Concen: 47.579 ug/l
 RT: 7.45 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD063360.D
 Acq: 3 Aug 2019 14:40

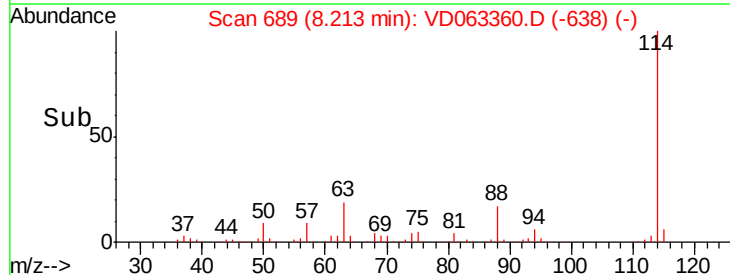
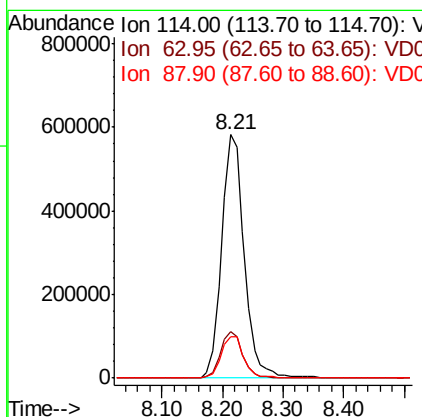
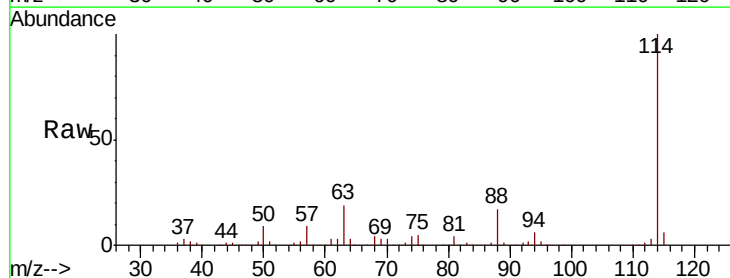
Instrument :
 MSVOA_D
 ClientSampleId :
 1S-C4-(0-1)

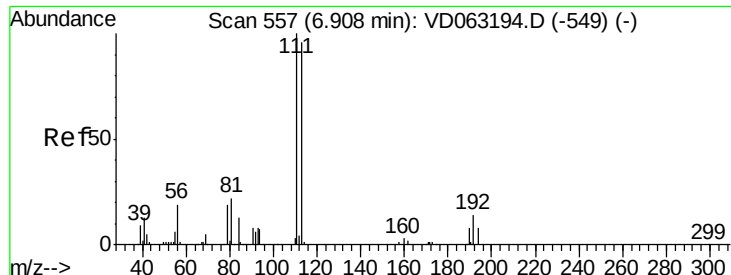
Tgt Ion: 65 Resp: 556753
 Ion Ratio Lower Upper
 65 100
 67 41.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063360.D
 Acq: 3 Aug 2019 14:40

Tgt Ion: 114 Resp: 1504713
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 35.2
 88 16.8 0.0 34.6





#35

Dibromofluoromethane

Concen: 46.342 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD063360.D

Acq: 3 Aug 2019 14:40

Instrument :

MSVOA_D

ClientSampled :

1S-C4-(0-1)

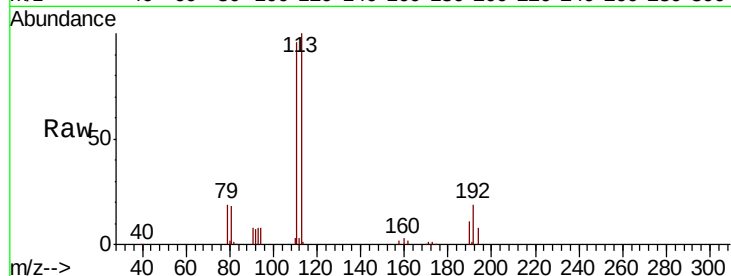
Tgt Ion:113 Resp: 595361

Ion Ratio Lower Upper

113 100

111 96.5 83.2 124.8

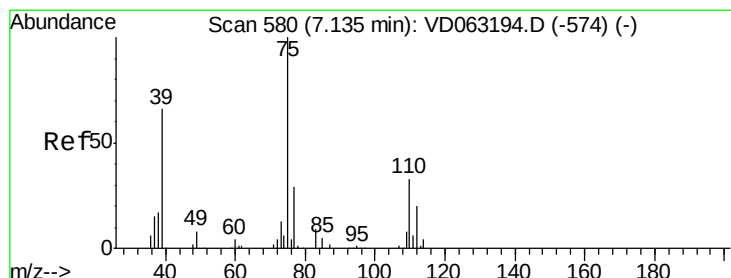
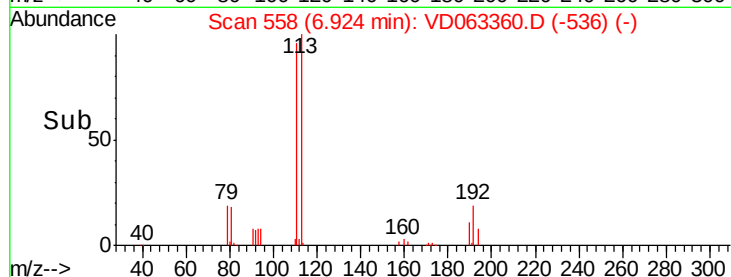
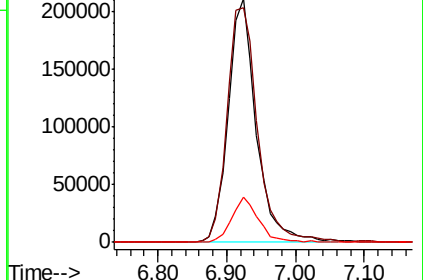
192 18.6 11.8 17.8#



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: 5.881 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063360.D

Acq: 3 Aug 2019 14:40

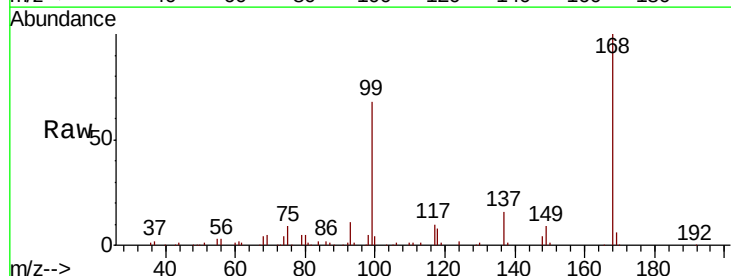
Tgt Ion: 75 Resp: 80758

Ion Ratio Lower Upper

75 100

110 8.0 16.1 48.2#

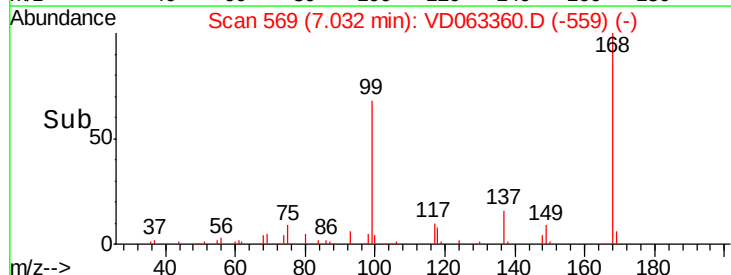
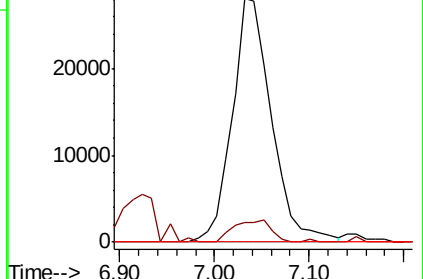
77 0.0 22.7 34.1#

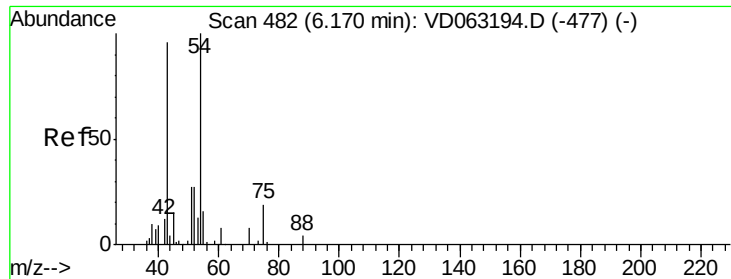


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

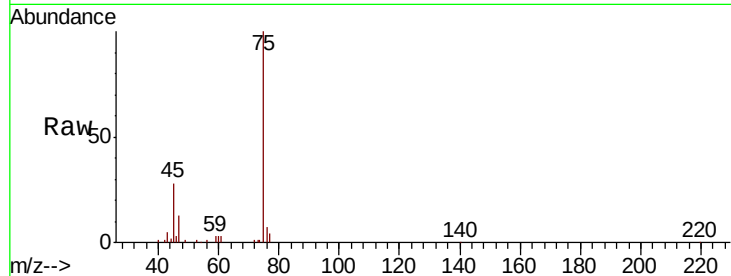




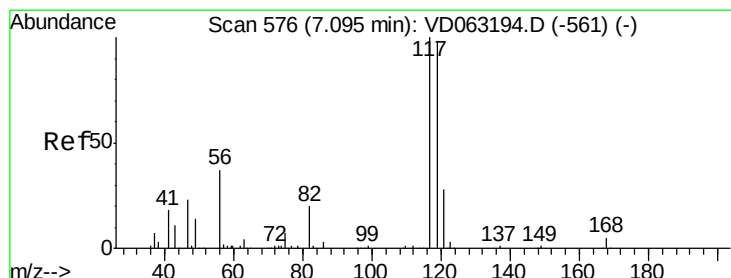
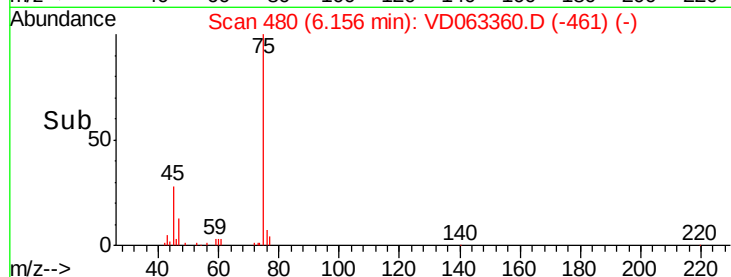
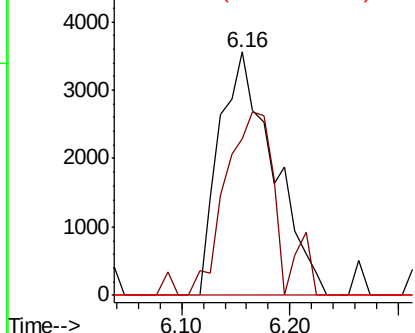
#37
 Ethyl Acetate
 Concen: 2.018 ug/l
 RT: 6.16 min Scan# 480
 Delta R.T. -0.01 min
 Lab File: VD063360.D
 Acq: 3 Aug 2019 14:40

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-C4-(0-1)

Tgt Ion: 43 Resp: 12451
 Ion Ratio Lower Upper
 43 100
 61 64.5 11.3 16.9#
 70 0.0 5.1 7.7#

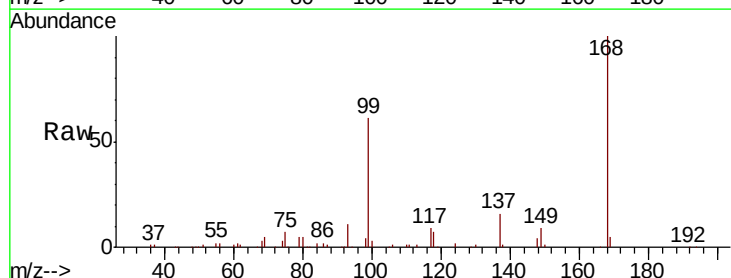


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

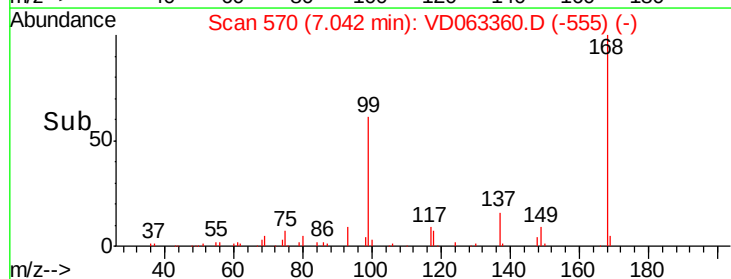
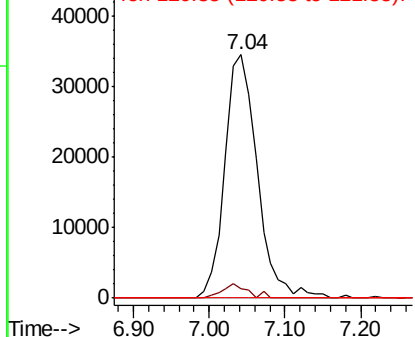


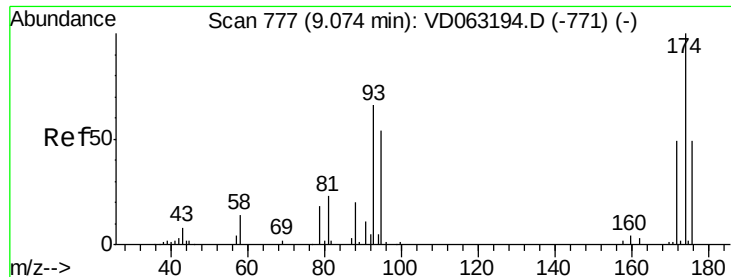
#38
 Carbon Tetrachloride
 Concen: 4.953 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.05 min
 Lab File: VD063360.D
 Acq: 3 Aug 2019 14:40

Tgt Ion: 117 Resp: 102394
 Ion Ratio Lower Upper
 117 100
 119 4.1 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

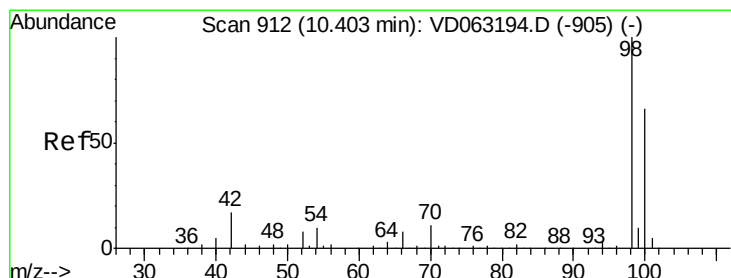
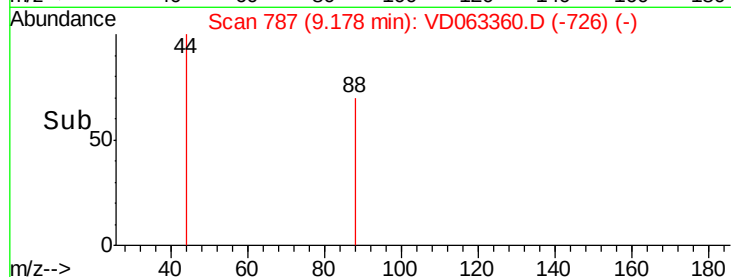
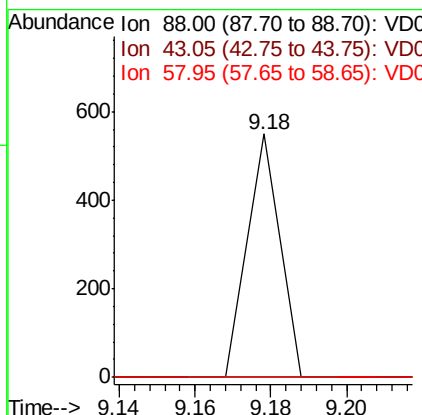
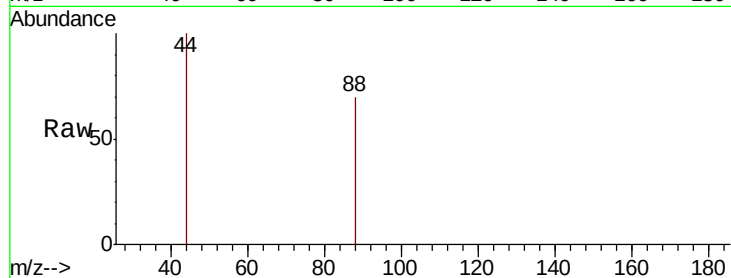




#49
 1,4-Dioxane
 Concen: 3.403 ug/l
 RT: 9.18 min Scan# 787
 Delta R.T. 0.11 min
 Lab File: VD063360.D
 Acq: 3 Aug 2019 14:40

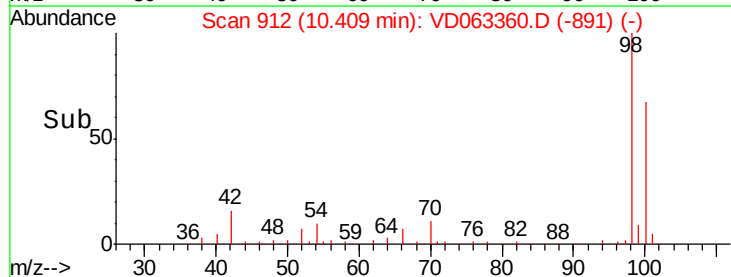
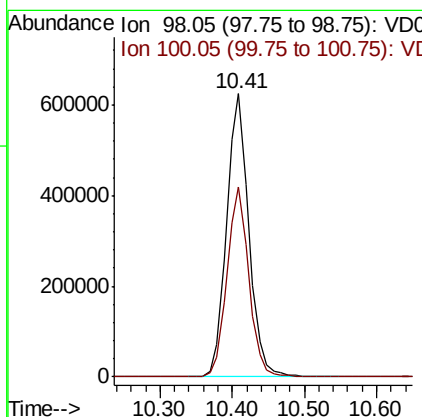
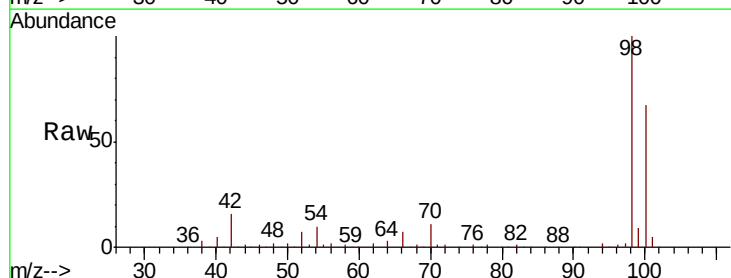
Instrument :
 MSVOA_D
 ClientSampleId :
 1S-C4-(0-1)

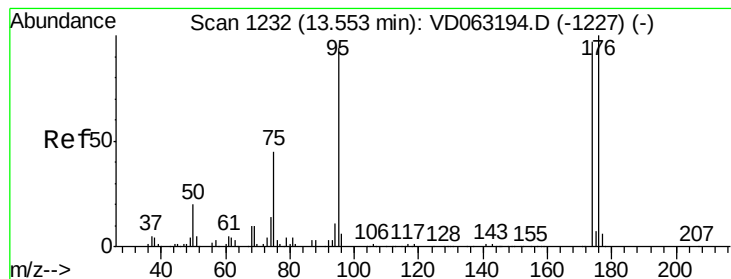
Tgt Ion: 88 Resp: 325
 Ion Ratio Lower Upper
 88 100
 43 0.0 30.7 46.1#
 58 0.0 56.5 84.7#



#50
 Toluene-d8
 Concen: 46.457 ug/l
 RT: 10.41 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VD063360.D
 Acq: 3 Aug 2019 14:40

Tgt Ion: 98 Resp: 1335700
 Ion Ratio Lower Upper
 98 100
 100 67.1 53.2 79.8





#62

4-Bromofluorobenzene

Concen: 42.294 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD063360.D

Acq: 3 Aug 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

1S-C4-(0-1)

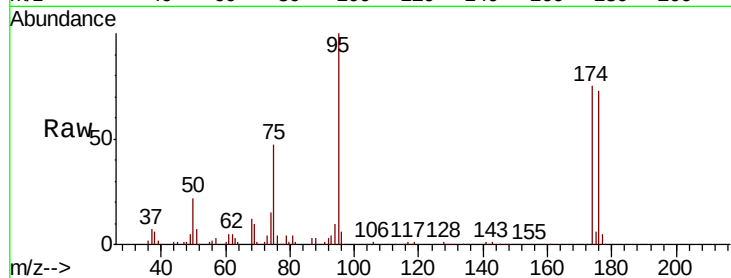
Tgt Ion: 95 Resp: 554139

Ion Ratio Lower Upper

95 100

174 75.2 0.0 205.4

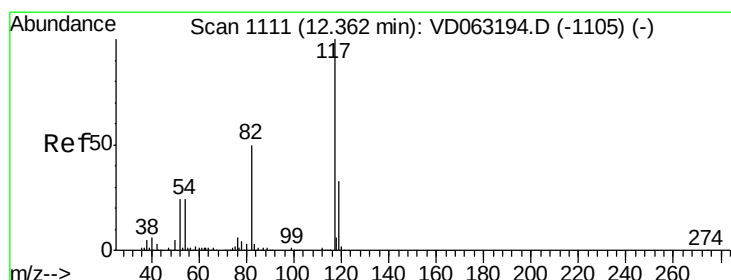
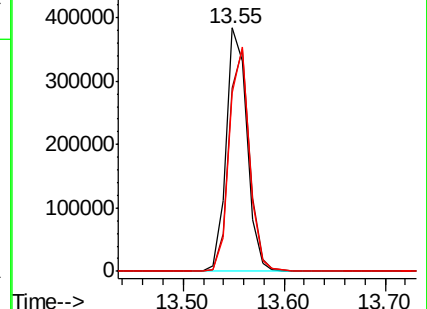
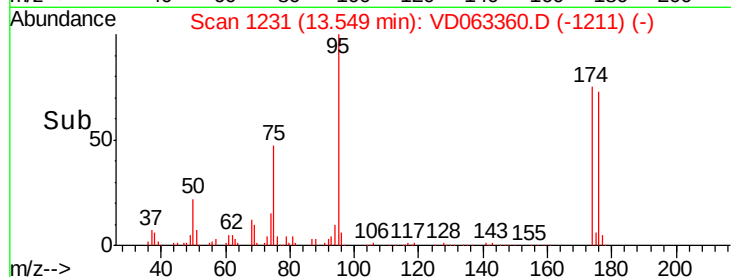
176 73.3 0.0 211.8



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: 12.37 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD063360.D

Acq: 3 Aug 2019 14:40

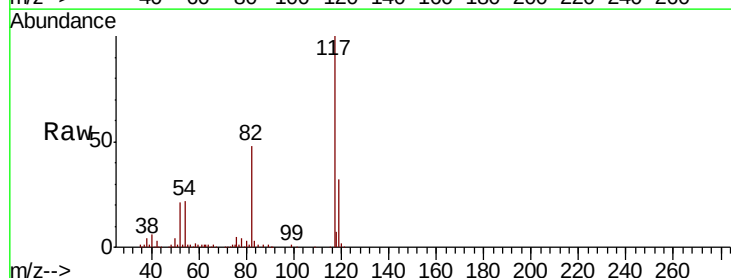
Tgt Ion: 117 Resp: 1201566

Ion Ratio Lower Upper

117 100

82 47.9 40.1 60.1

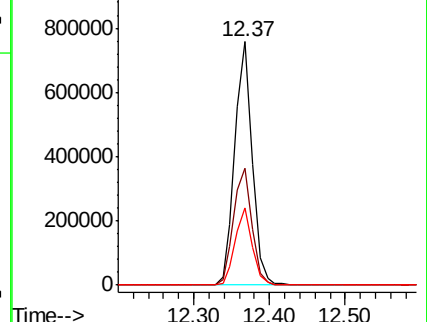
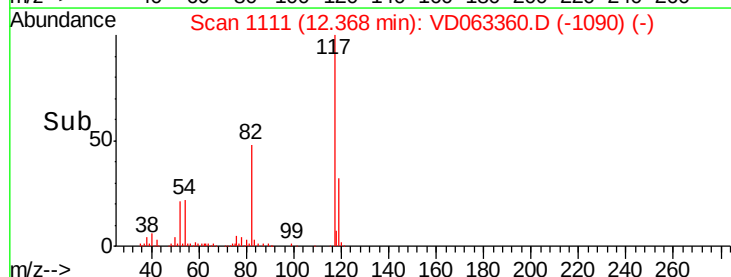
119 31.6 26.5 39.7

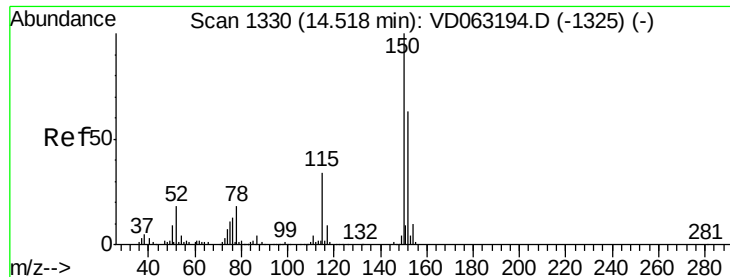


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

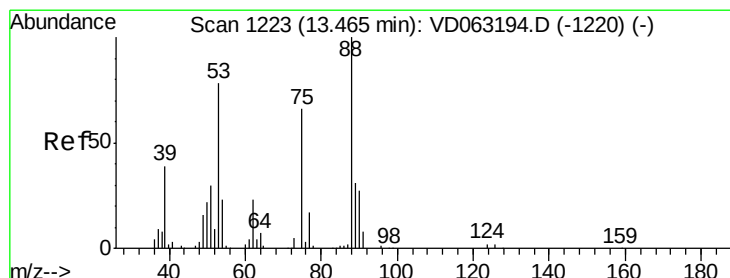
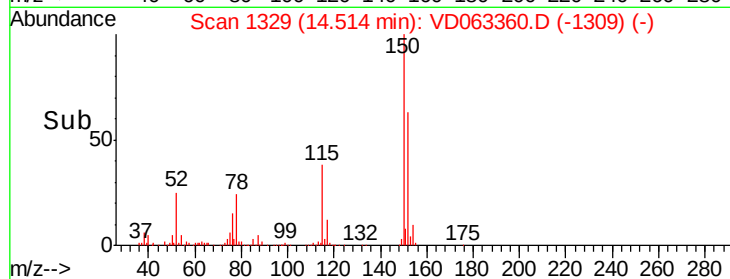
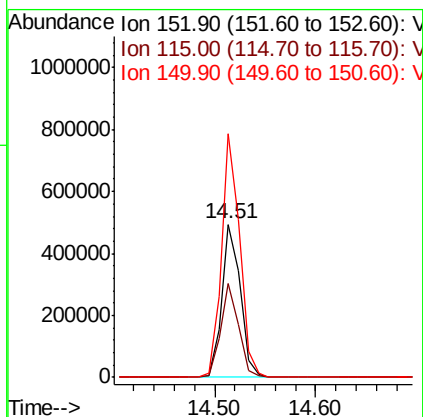
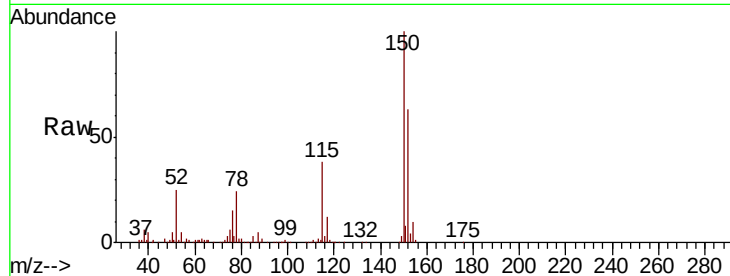




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: VD063360.D
 Acq: 3 Aug 2019 14:40

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-C4-(0-1)

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	27.5	82.4
150	159.3	0.0	320.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.321 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. 0.08 min
 Lab File: VD063360.D
 Acq: 3 Aug 2019 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	94.9	142.3#
89	0.0	37.4	56.0#

