

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063216.D
 Acq On : 30 Jul 2019 00:51
 Operator : VA/AP
 Sample : K4049-03
 Misc : 4.47g/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3

Quant Time: Jul 30 04:03:37 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	613177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	882224	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	593329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	229825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	473528	69.60	ug/l	0.01
Spiked Amount	50.000		Recovery	=	139.20%	
35) Dibromofluoromethane	6.92	113	514442	68.30	ug/l	0.01
Spiked Amount	50.000		Recovery	=	136.60%	
50) Toluene-d8	10.41	98	946850	56.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.34%	
62) 4-Bromofluorobenzene	13.56	95	318286	41.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.86%	

Target Compounds

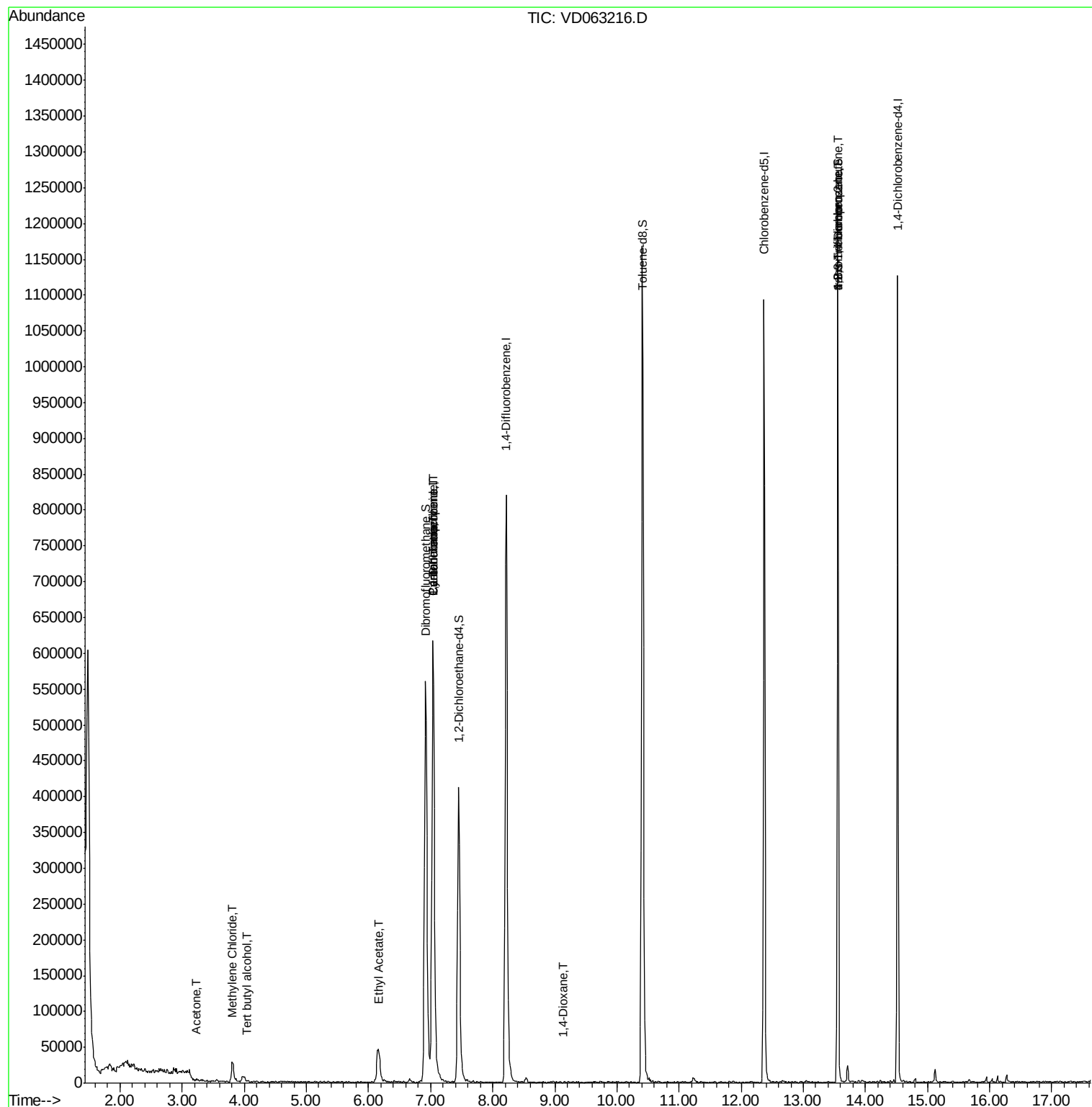
					Qvalue	
11) Tert butyl alcohol	4.05	59	1724	5.774	ug/l #	69
16) Acetone	3.22	43	1755	1.324	ug/l #	62
20) Methylene Chloride	3.80	84	15684	2.927	ug/l #	89
31) Cyclohexane	7.04	56	14435	2.382	ug/l #	17
36) 1,1-Dichloropropene	7.03	75	42719	5.306	ug/l #	54
37) Ethyl Acetate	6.16	43	4598	1.271	ug/l #	33
38) Carbon Tetrachloride	7.03	117	61966	5.112	ug/l #	15
49) 1,4-Dioxane	9.14	88	182	3.065	ug/l #	22
76) 1,2,3-Trichloropropane	13.56	75	109409	39.634	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	149670	195.256	ug/l #	3

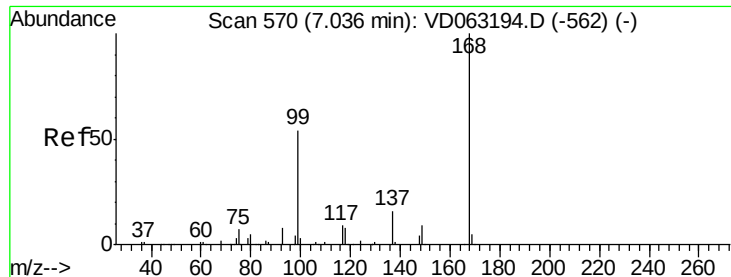
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063216.D

Acq: 30 Jul 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

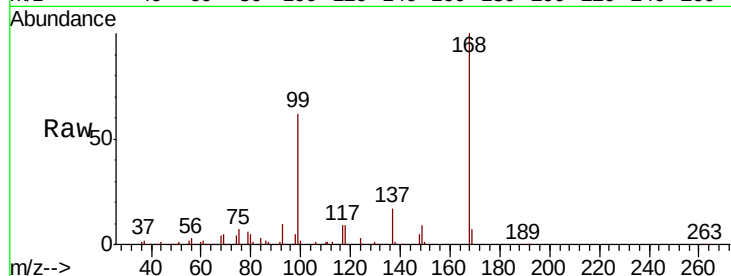
SP-3

Tot Ion:168 Resp: 613177

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

7.04

200000

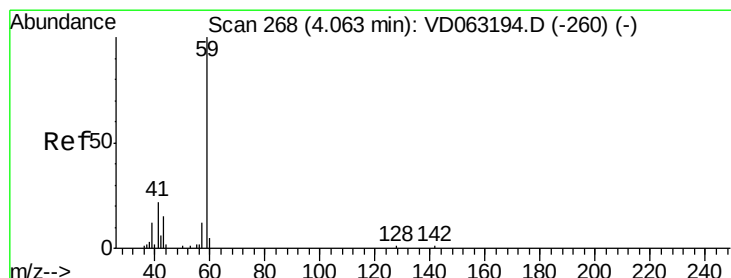
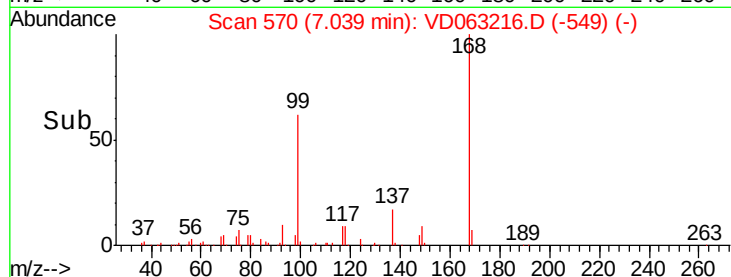
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.774 ug/l

RT: 4.05 min Scan# 266

Delta R.T. -0.02 min

Lab File: VD063216.D

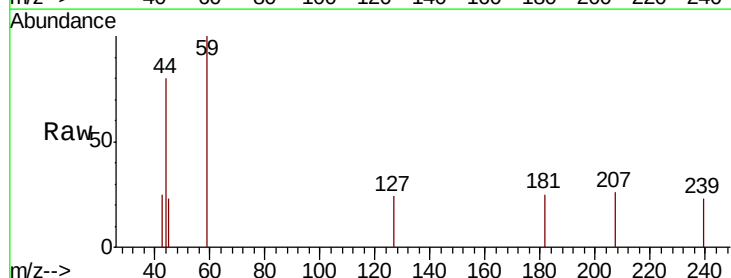
Acq: 30 Jul 2019 00:51

Tgt Ion: 59 Resp: 1724

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

4.05

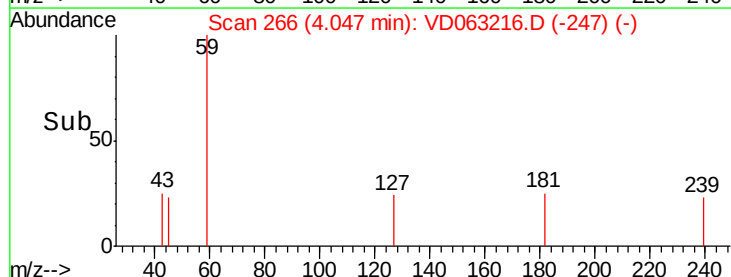
1500

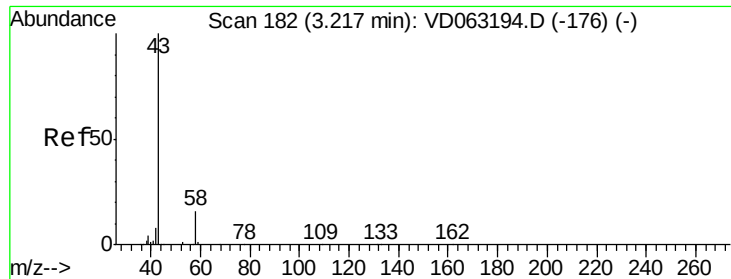
1000

500

0

Time-->





#16

Acetone

Concen: 1.324 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063216.D

Acq: 30 Jul 2019 00:51

Instrument :

MSVOA_D

ClientSampled :

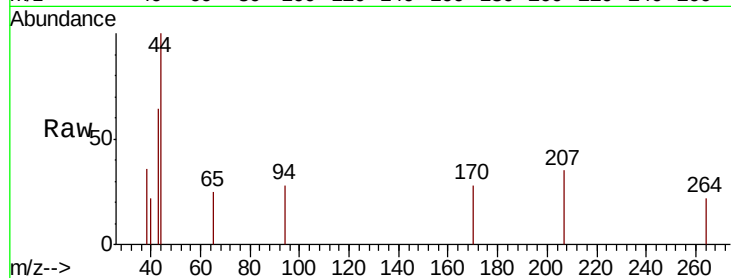
SP-3

Tot Ion: 43 Resp: 1755

Ion Ratio Lower Upper

43 100

58 0.0 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

1000

800

600

400

200

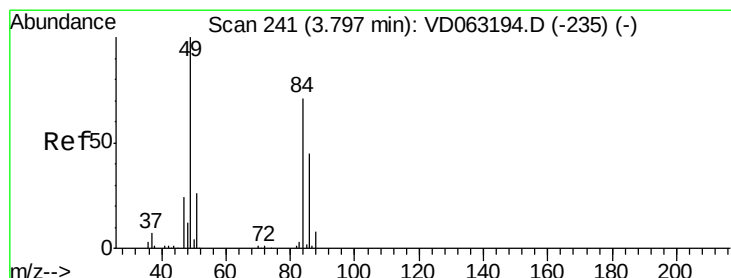
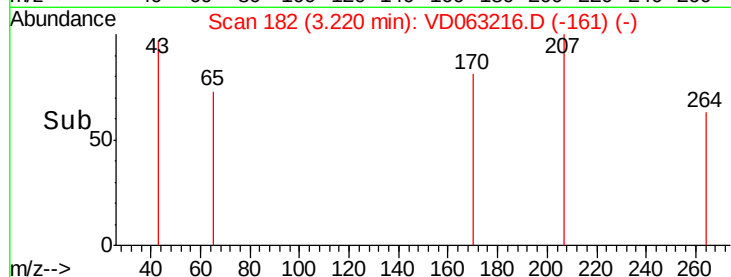
0

Time-->

3.20

3.25

3.30



#20

Methylene Chloride

Concen: 2.927 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD063216.D

Acq: 30 Jul 2019 00:51

Tgt Ion: 84 Resp: 15684

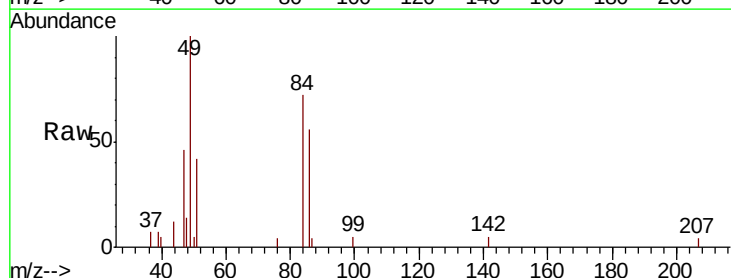
Ion Ratio Lower Upper

84 100

49 139.2 112.5 168.7

51 58.8 29.6 44.4#

86 77.4 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

12000

10000

8000

6000

4000

2000

0

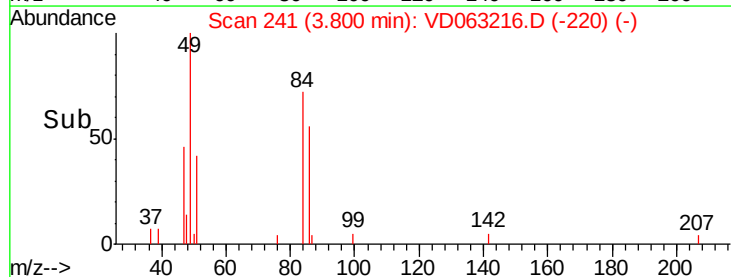
Time-->

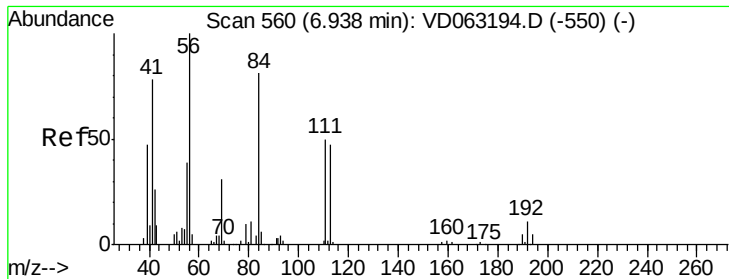
3.75

3.80

3.85

3.90

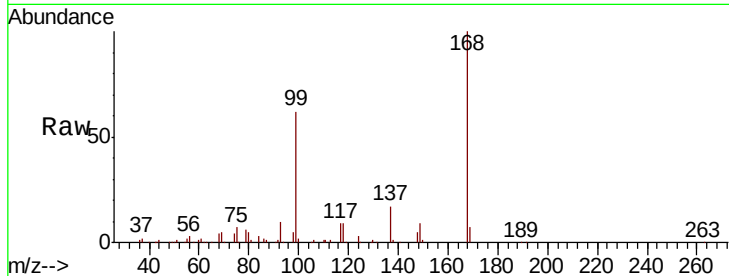




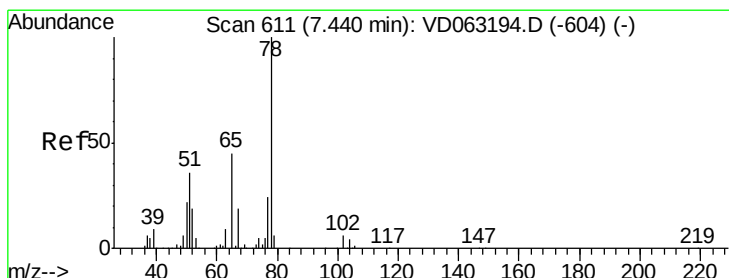
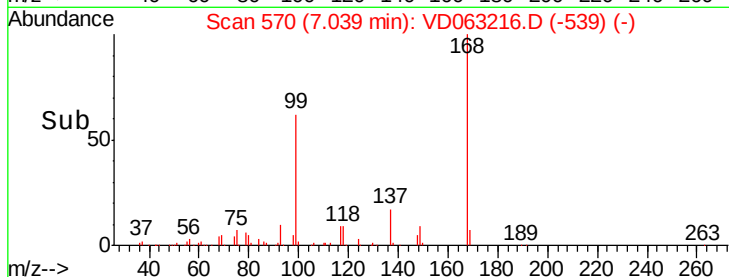
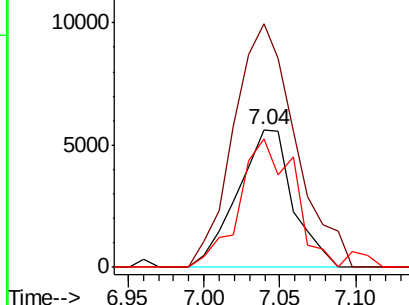
#31
Cyclohexane
Concen: 2.382 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063216.D
Acq: 30 Jul 2019 00:51

Instrument :
MSVOA_D
ClientSampleId :
SP-3

Tot Ion: 56 Resp: 14435
Ion Ratio Lower Upper
56 100
69 176.7 24.5 36.7#
84 93.0 64.9 97.3

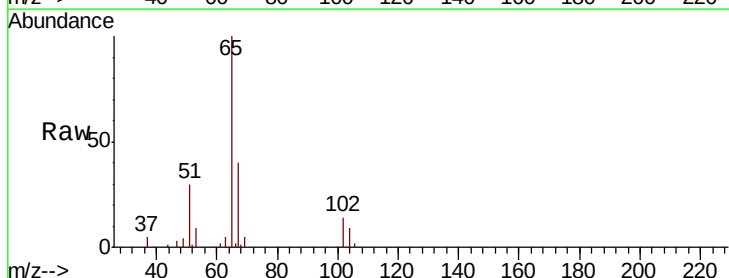


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

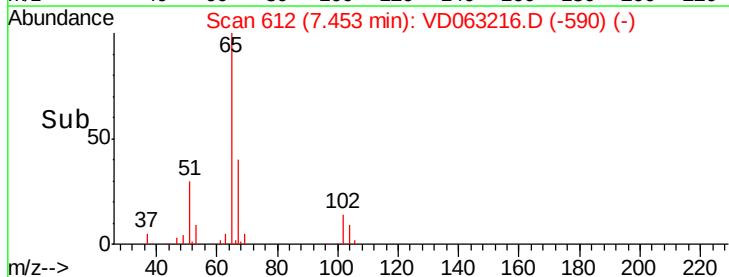
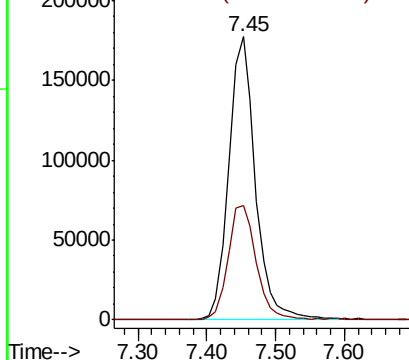


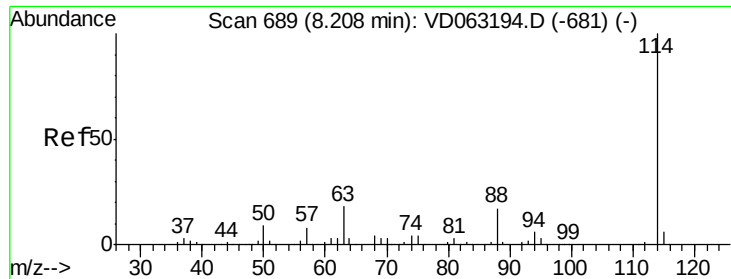
#33
1,2-Dichloroethane-d4
Concen: 69.598 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063216.D
Acq: 30 Jul 2019 00:51

Tgt Ion: 65 Resp: 473528
Ion Ratio Lower Upper
65 100
67 40.5 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

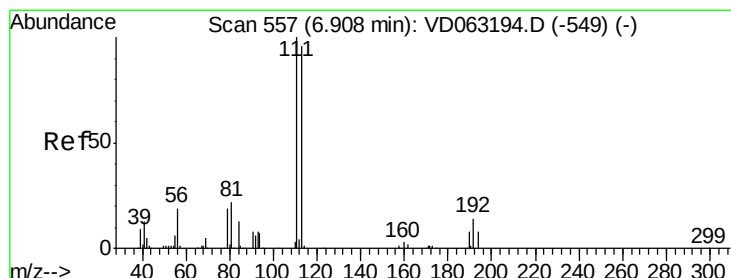
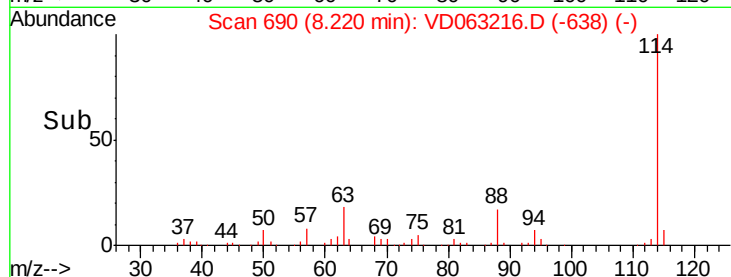
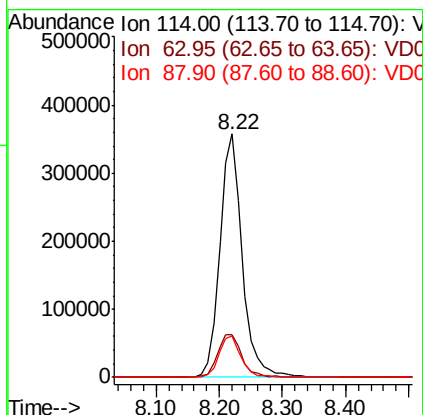
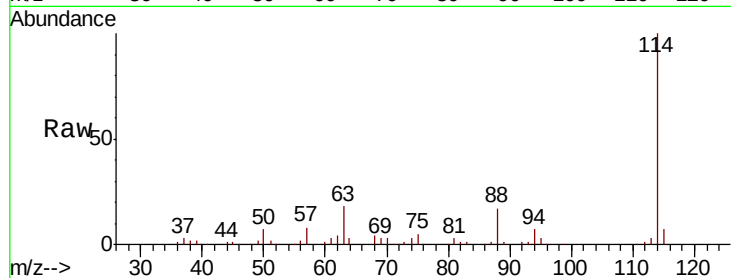




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063216.D
 Acq: 30 Jul 2019 00:51

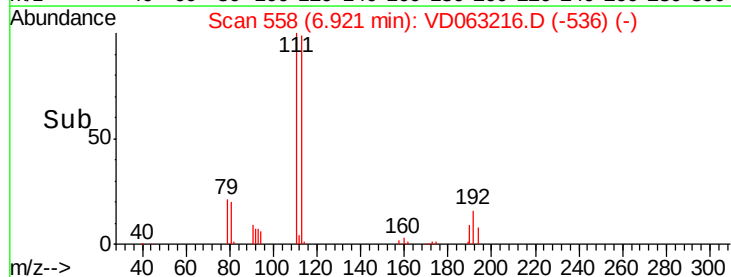
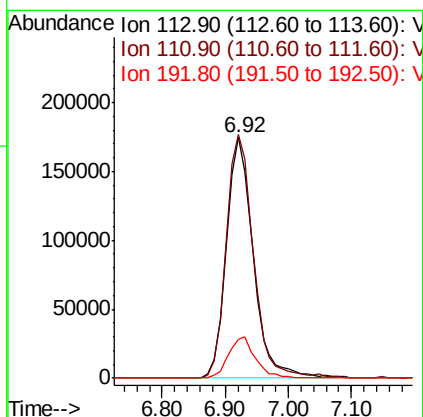
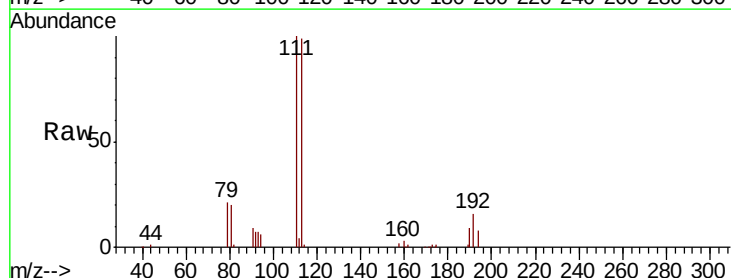
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3

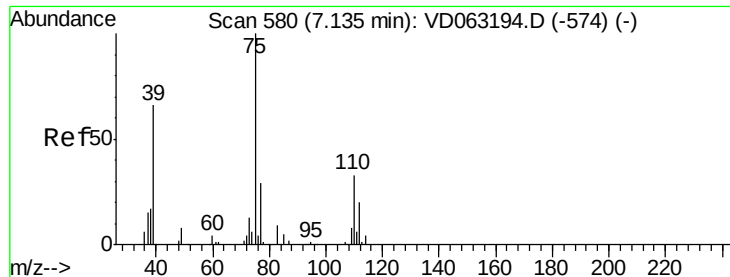
Tot Ion:114 Resp: 882224
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.2
 88 17.1 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 68.298 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063216.D
 Acq: 30 Jul 2019 00:51

Tgt Ion:113 Resp: 514442
 Ion Ratio Lower Upper
 113 100
 111 101.2 83.2 124.8
 192 16.0 11.8 17.8

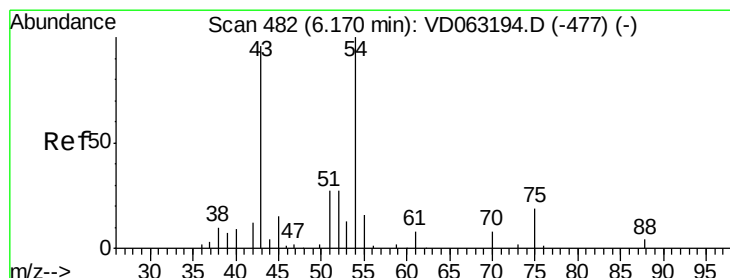
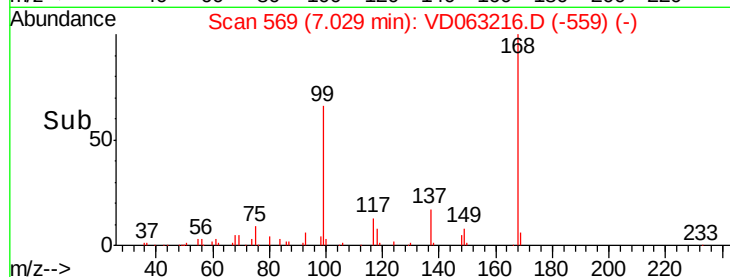
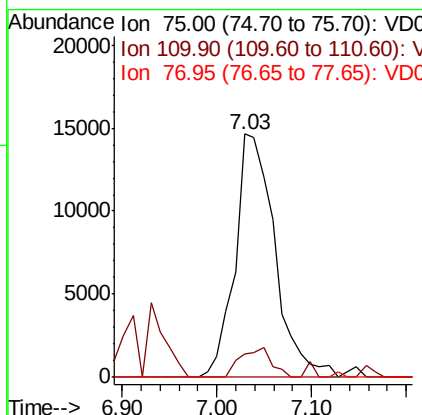
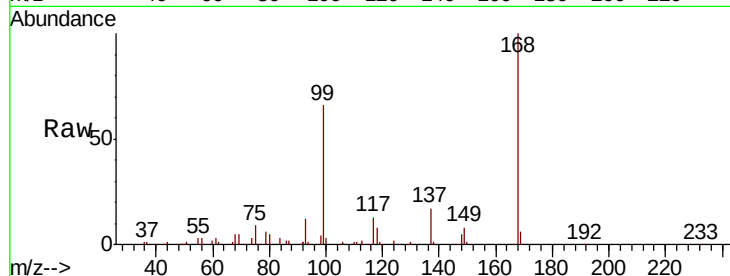




#36
 1,1-Dichloropropene
 Concen: 5.306 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.11 min
 Lab File: VD063216.D
 Acq: 30 Jul 2019 00:51

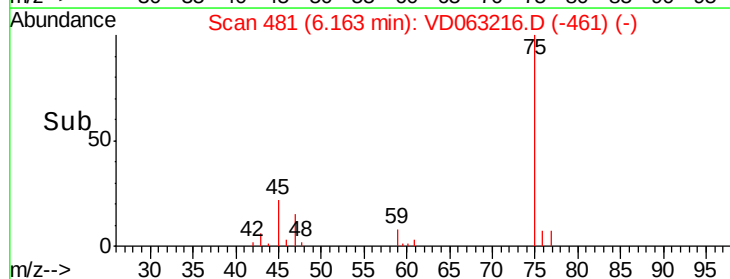
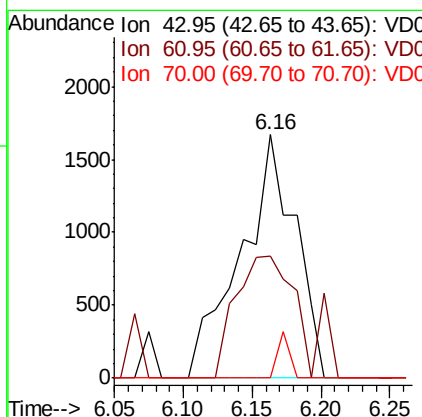
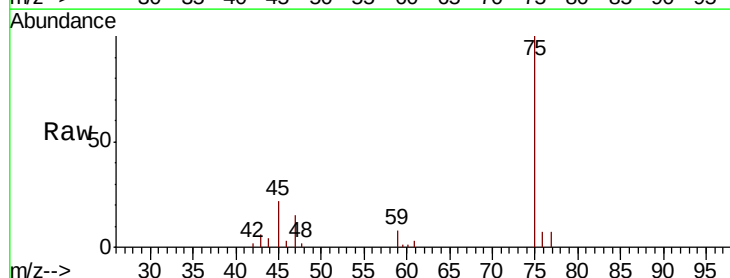
Instrument :
 MSVOA_D
 ClientSampled :
 SP-3

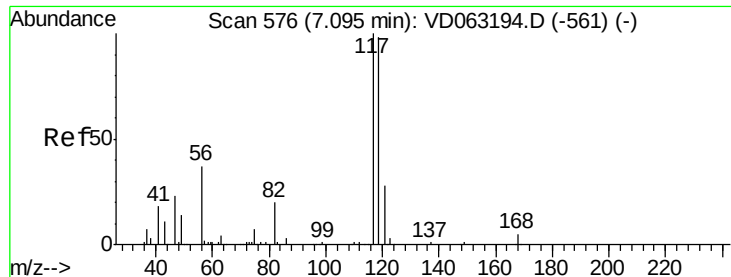
Tot Ion: 75 Resp: 42719
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.1 48.2#
 77 0.0 22.7 34.1#



#37
 Ethyl Acetate
 Concen: 1.271 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: VD063216.D
 Acq: 30 Jul 2019 00:51

Tgt Ion: 43 Resp: 4598
 Ion Ratio Lower Upper
 43 100
 61 50.1 11.3 16.9#
 70 0.0 5.1 7.7#





#38

Carbon Tetrachloride

Concen: 5.112 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD063216.D

Acq: 30 Jul 2019 00:51

Instrument :

MSVOA_D

ClientSampled :

SP-3

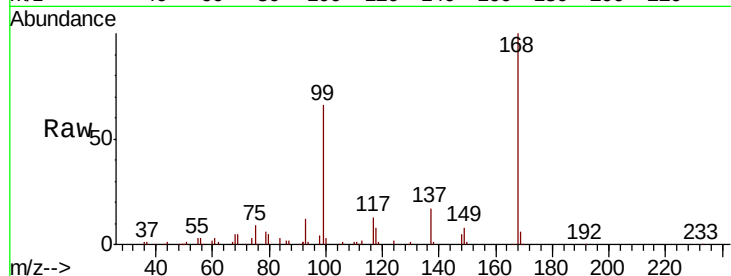
Tot Ion:117 Resp: 61966

Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.2#

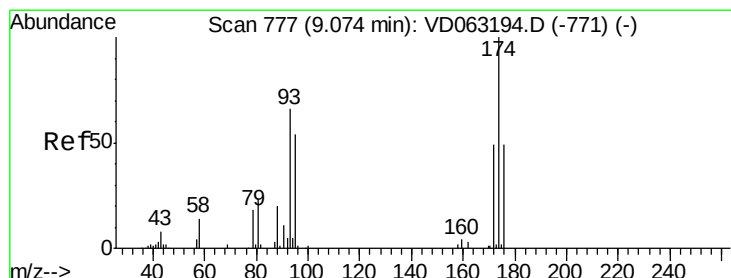
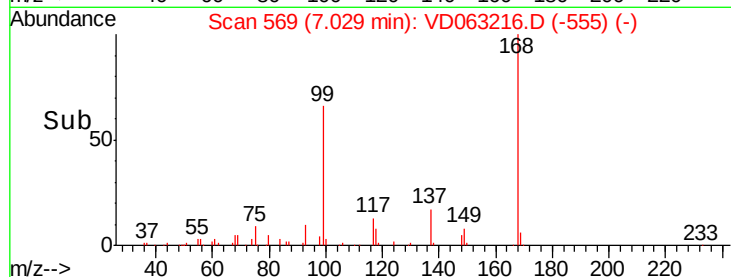
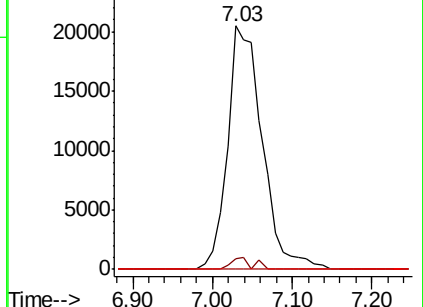
121 0.0 22.1 33.1#



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: 3.065 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.06 min

Lab File: VD063216.D

Acq: 30 Jul 2019 00:51

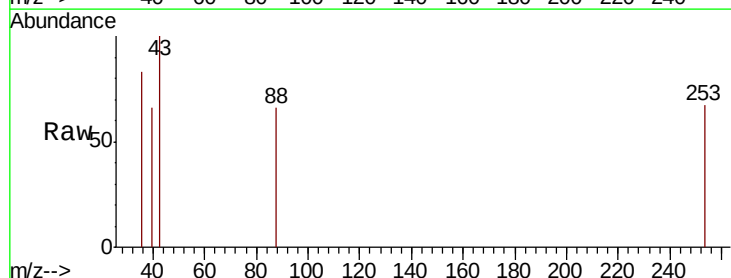
Tgt Ion: 88 Resp: 182

Ion Ratio Lower Upper

88 100

43 0.0 30.7 46.1#

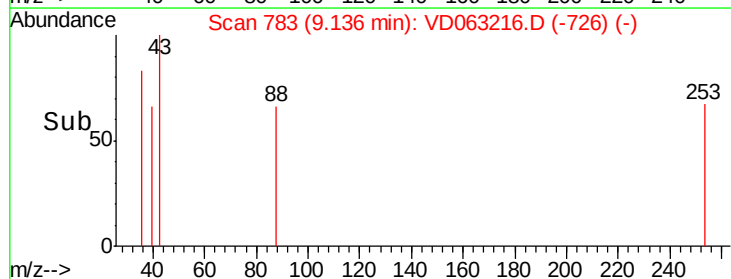
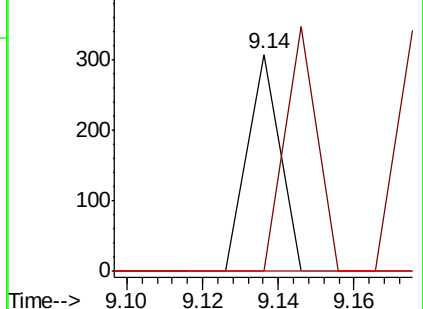
58 0.0 56.5 84.7#

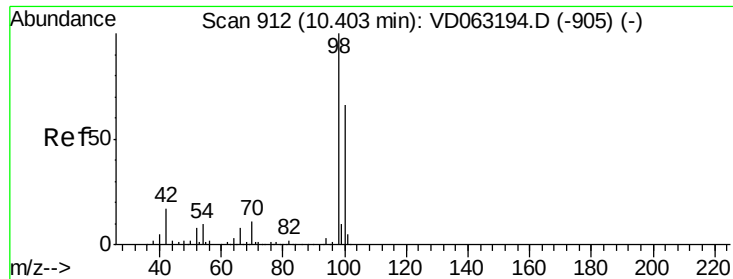


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

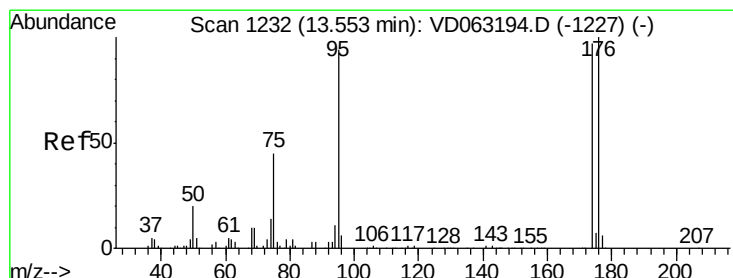
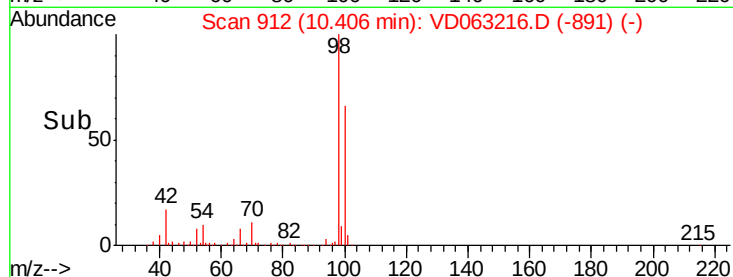
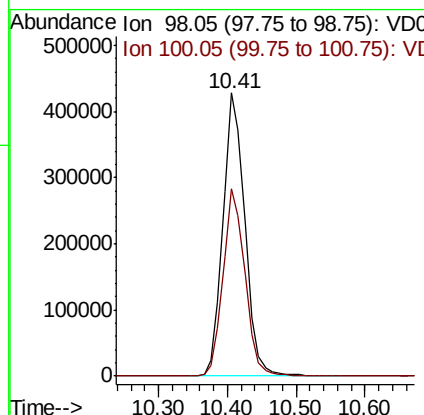
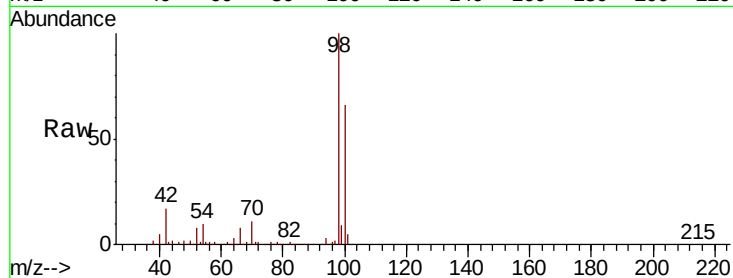




#50
Toluene-d8
Concen: 56.169 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063216.D
Acq: 30 Jul 2019 00:51

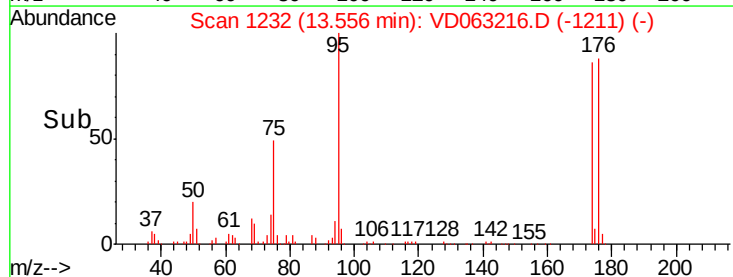
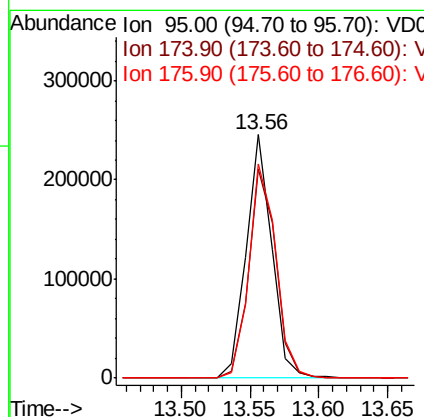
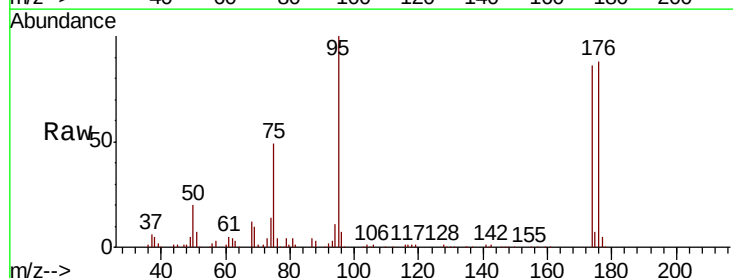
Instrument :
MSVOA_D
ClientSampleId :
SP-3

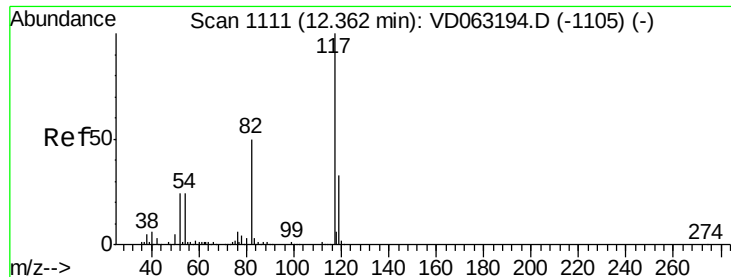
Tot Ion: 98 Resp: 946850
Ion Ratio Lower Upper
98 100
100 66.1 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 41.434 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063216.D
Acq: 30 Jul 2019 00:51

Tgt Ion: 95 Resp: 318286
Ion Ratio Lower Upper
95 100
174 85.9 0.0 205.4
176 88.1 0.0 211.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD063216.D

Acq: 30 Jul 2019 00:51

Instrument :

MSVOA_D

ClientSampleId :

SP-3

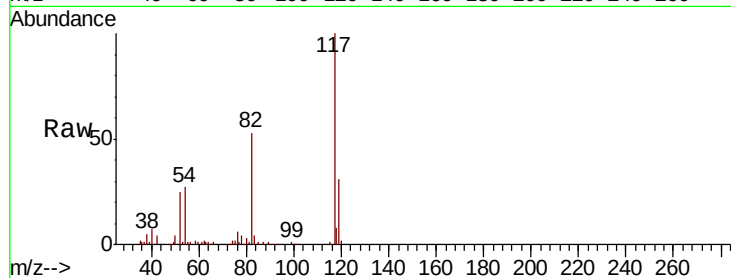
Tot Ion:117 Resp: 593329

Ion Ratio Lower Upper

117 100

82 52.6 40.1 60.1

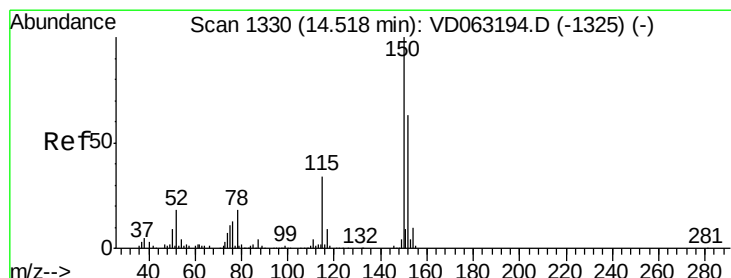
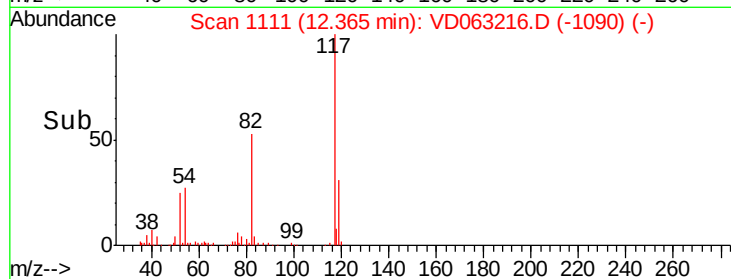
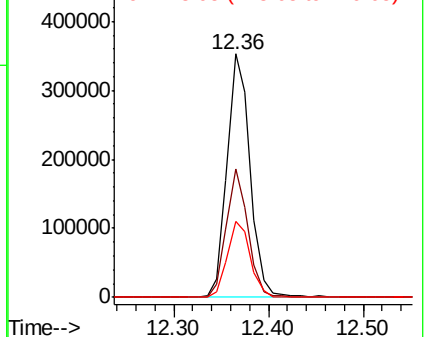
119 31.2 26.5 39.7



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: VD063216.D

Acq: 30 Jul 2019 00:51

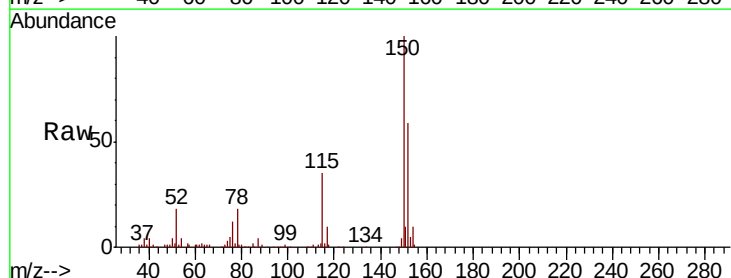
Tgt Ion:152 Resp: 229825

Ion Ratio Lower Upper

152 100

115 59.4 27.5 82.4

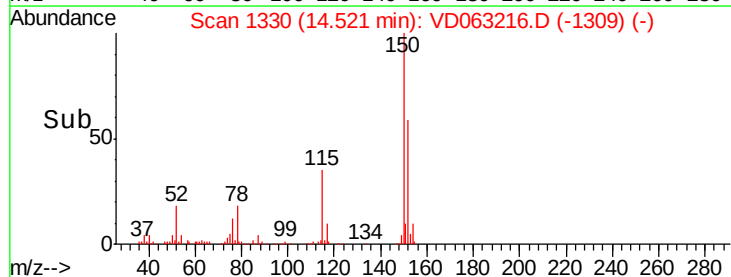
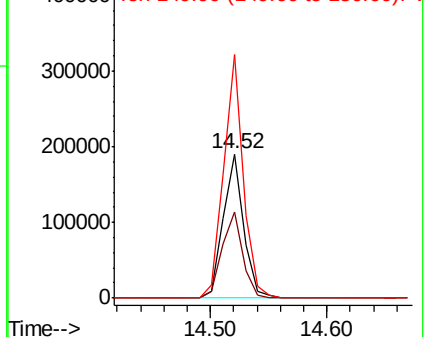
150 168.6 0.0 320.6

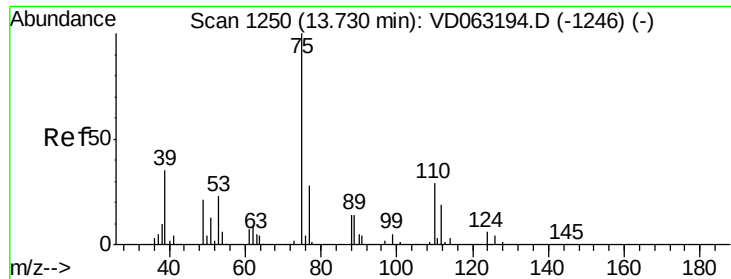


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

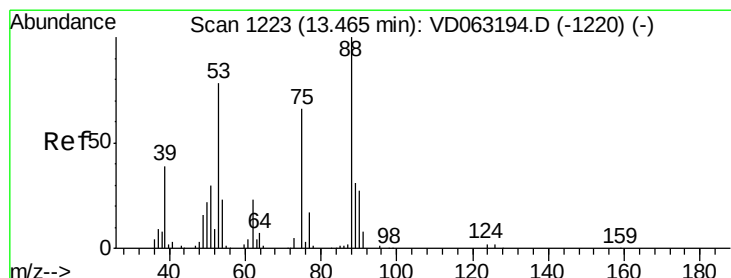
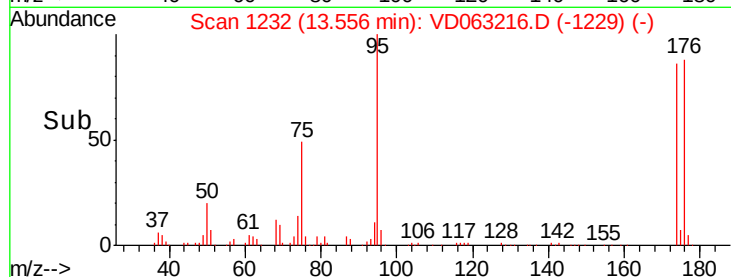
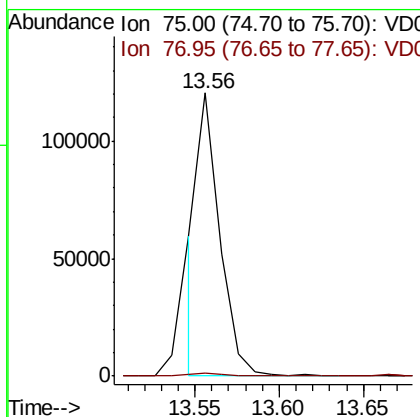
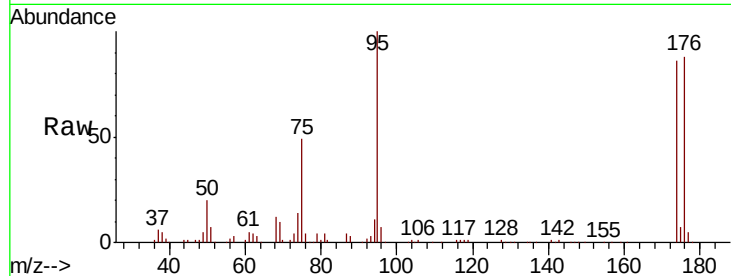




#76
 1,2,3-Trichloropropane
 Concen: 39.634 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.17 min
 Lab File: VD063216.D
 Acq: 30 Jul 2019 00:51

Instrument :
 MSVOA_D
 ClientSampleID :
 SP-3

Tot Ion: 75 Resp: 109409
 Ion Ratio Lower Upper
 75 100
 77 0.9 16.0 48.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 195.256 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.09 min
 Lab File: VD063216.D
 Acq: 30 Jul 2019 00:51

Tgt Ion: 75 Resp: 149670
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.9 142.3#
 89 0.0 37.4 56.0#

