

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063219.D
 Acq On : 30 Jul 2019 2:12
 Operator : VA/AP
 Sample : K4049-06
 Misc : 4.29g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-6

Quant Time: Jul 30 04:04:10 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	670757	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	887046	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	590087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	232696	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	502887	67.57	ug/l	0.01
Spiked Amount			Recovery	=	135.14%	
35) Dibromofluoromethane	6.92	113	500384	66.07	ug/l	0.01
Spiked Amount			Recovery	=	132.14%	
50) Toluene-d8	10.40	98	1071647	63.23	ug/l	0.00
Spiked Amount			Recovery	=	126.46%	
62) 4-Bromofluorobenzene	13.55	95	349153	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	

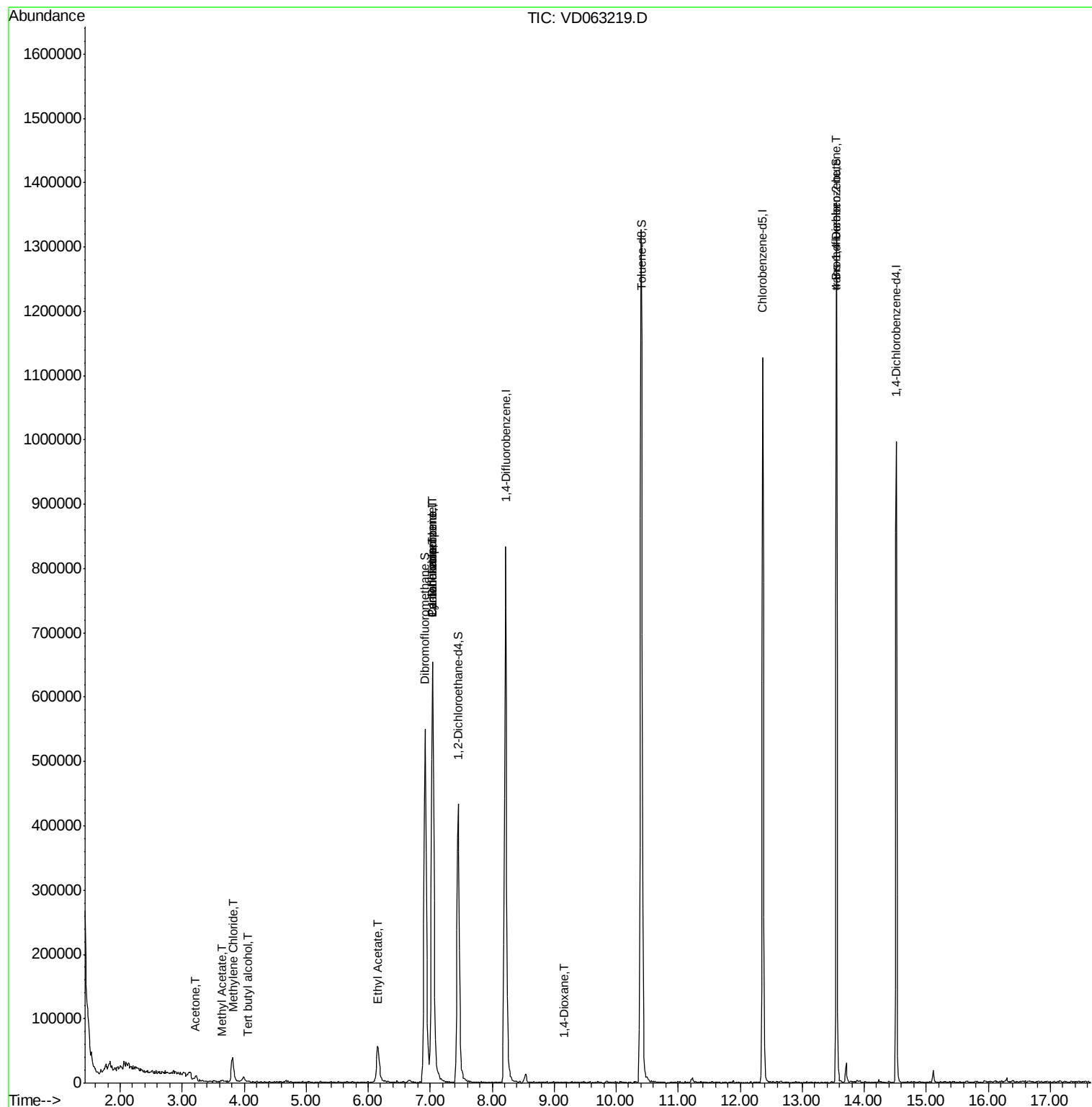
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	1677	5.134	ug/l #	69
16) Acetone	3.23	43	14462	9.973	ug/l #	88
18) Methyl Acetate	3.63	43	4147	1.489	ug/l #	60
20) Methylene Chloride	3.82	84	24438	4.169	ug/l	87
31) Cyclohexane	7.05	56	15300	2.308	ug/l #	3
36) 1,1-Dichloropropene	7.04	75	49879	6.161	ug/l #	53
37) Ethyl Acetate	6.17	43	5539	1.523	ug/l #	68
38) Carbon Tetrachloride	7.04	117	64419	5.286	ug/l #	17
49) 1,4-Dioxane	9.14	88	203	3.852	ug/l #	22
81) trans-1,4-Dichloro-2-buten	13.55	75	157162	202.500	ug/l #	3

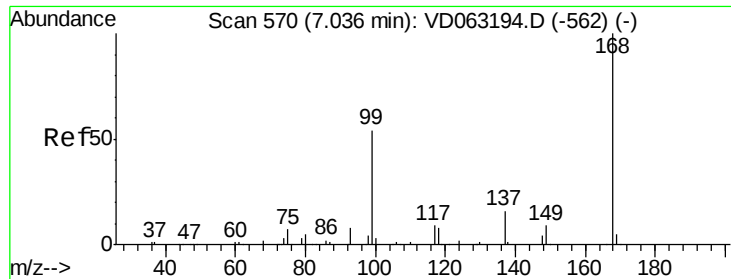
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
Data File : VD063219.D
Acq On : 30 Jul 2019 2:12
Operator : VA/AP
Sample : K4049-06
Misc : 4.29g/5ml/MSVOA D/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SP-6

Quant Time: Jul 30 04:04:10 2019
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: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063219.D

Acq: 30 Jul 2019 2:12

Instrument :

MSVOA_D

ClientSampleId :

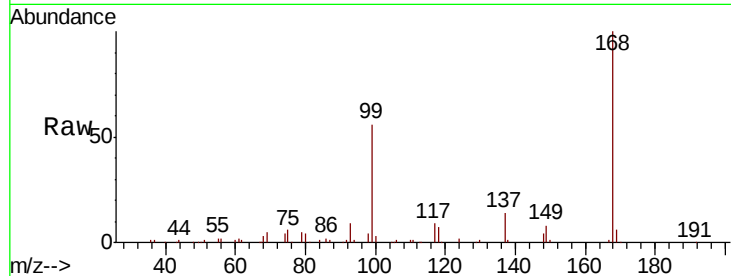
SP-6

Tot Ion:168 Resp: 670757

Ion Ratio Lower Upper

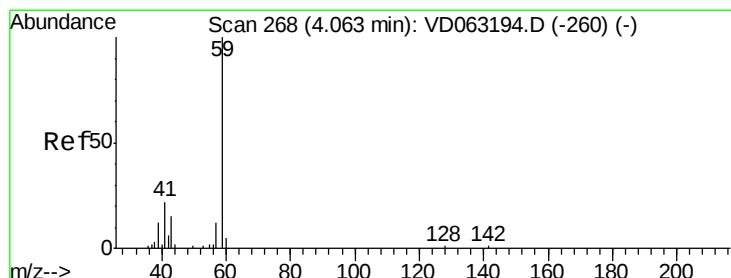
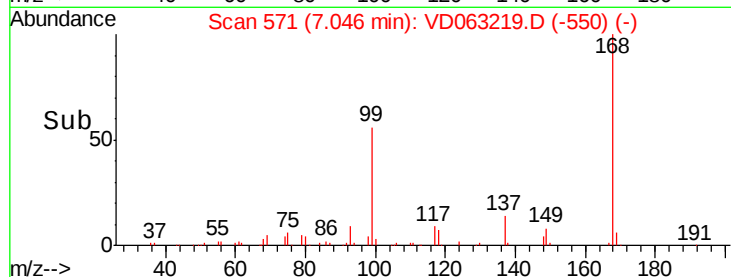
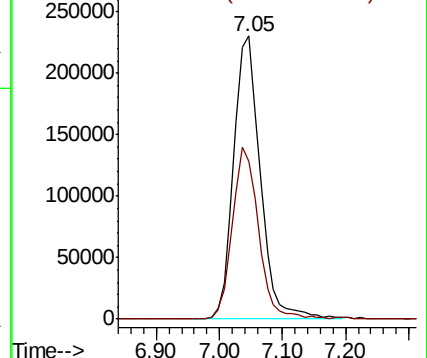
168 100

99 55.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 5.134 ug/l

RT: 4.06 min Scan# 268

Delta R.T. 0.00 min

Lab File: VD063219.D

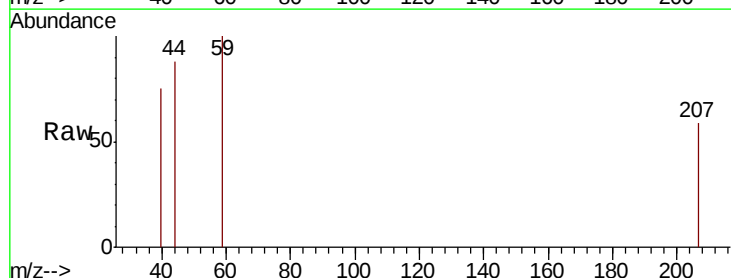
Acq: 30 Jul 2019 2:12

Tgt Ion: 59 Resp: 1677

Ion Ratio Lower Upper

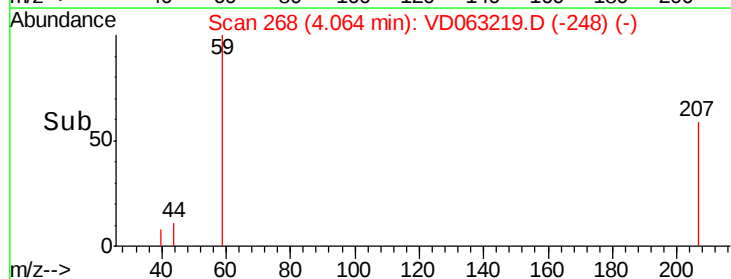
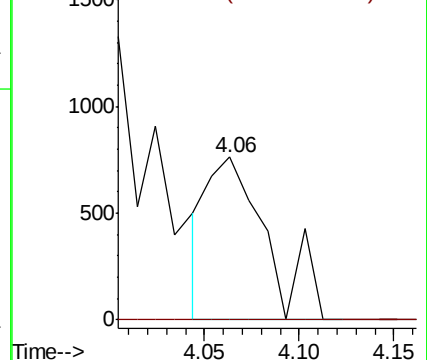
59 100

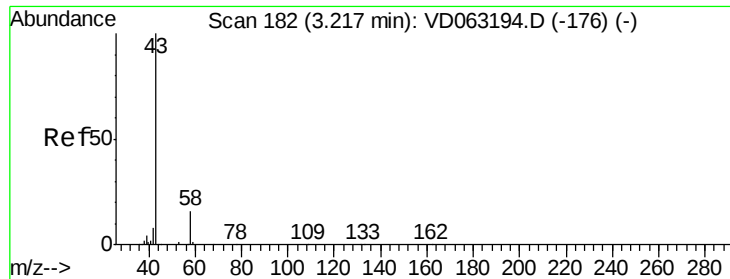
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 9.973 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063219.D

Acq: 30 Jul 2019 2:12

Instrument :

MSVOA_D

ClientSampleId :

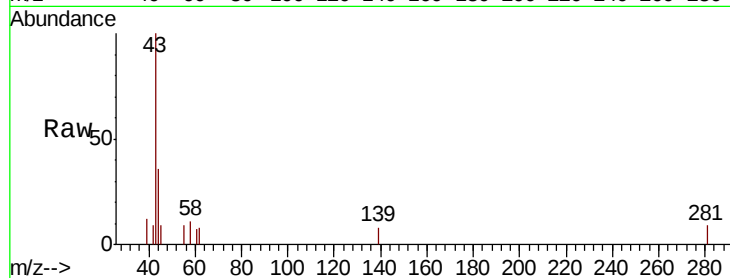
SP-6

Tot Ion: 43 Resp: 14462

Ion Ratio Lower Upper

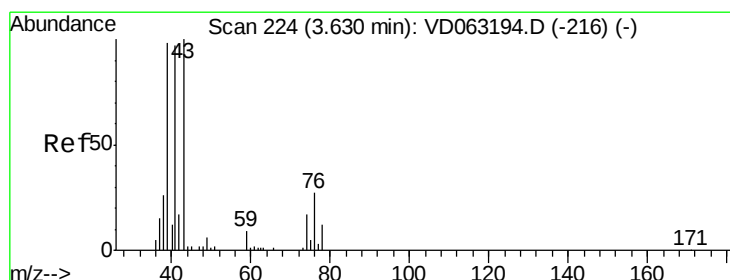
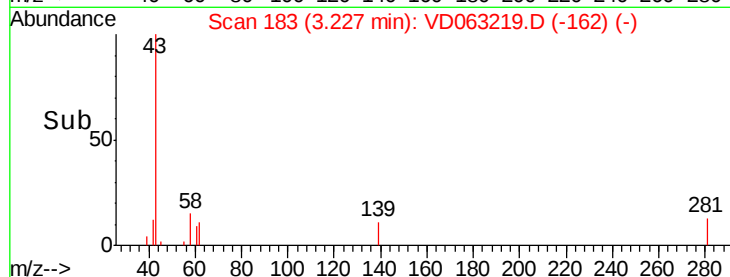
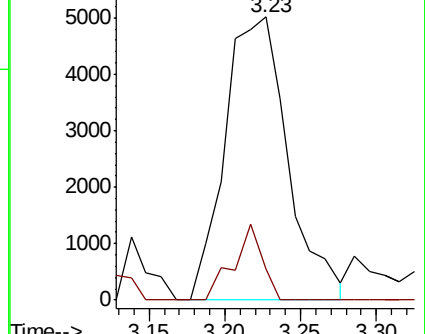
43 100

58 11.2 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.489 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063219.D

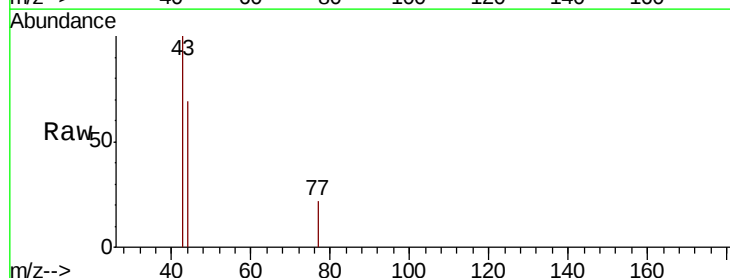
Acq: 30 Jul 2019 2:12

Tgt Ion: 43 Resp: 4147

Ion Ratio Lower Upper

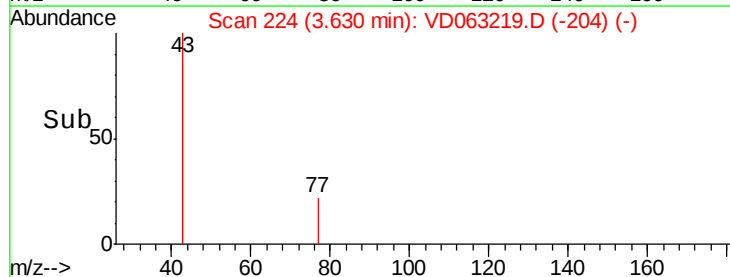
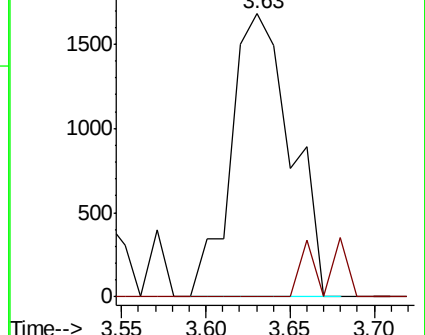
43 100

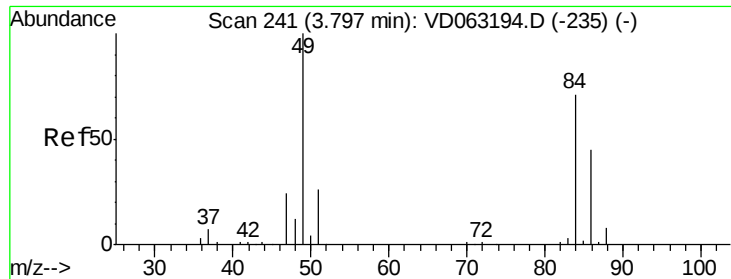
74 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

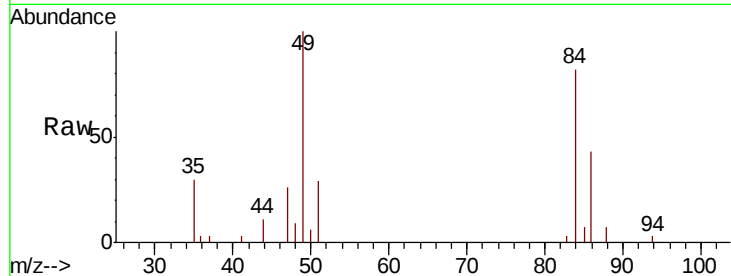




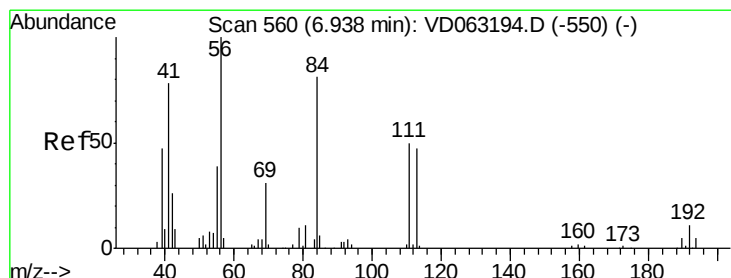
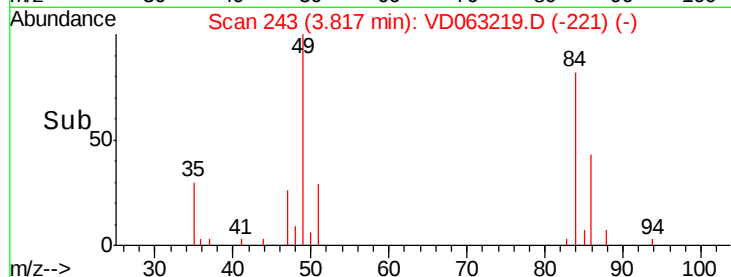
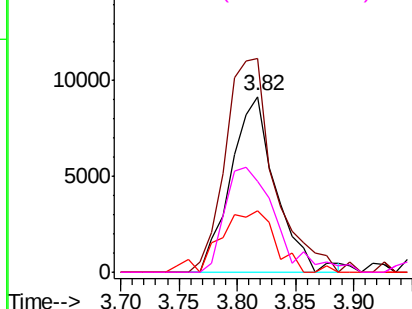
#20
Methvlene Chloride
Concen: 4.169 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063219.D
Acq: 30 Jul 2019 2:12

Instrument :
MSVOA_D
ClientSampleId :
SP-6

Tot Ion: 84 Resp: 24438
Ion Ratio Lower Upper
84 100
49 121.5 112.5 168.7
51 34.7 29.6 44.4
86 52.0 50.4 75.6

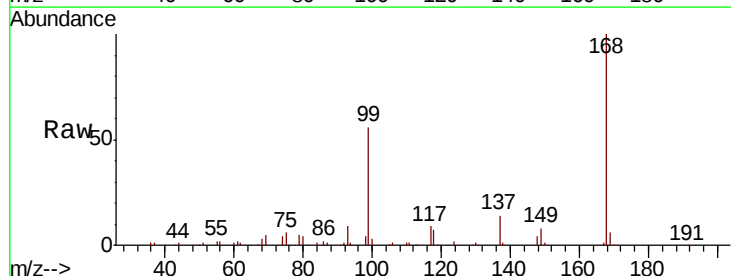


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

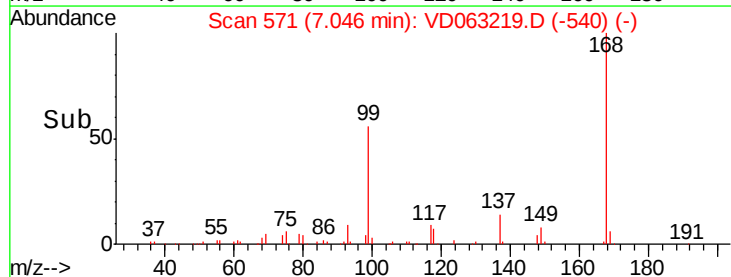
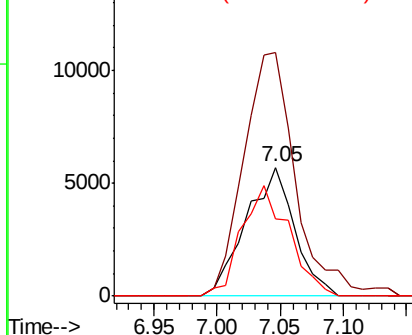


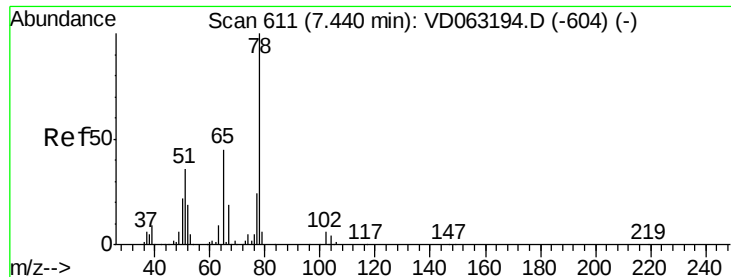
#31
Cyclohexane
Concen: 2.308 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063219.D
Acq: 30 Jul 2019 2:12

Tgt Ion: 56 Resp: 15300
Ion Ratio Lower Upper
56 100
69 189.1 24.5 36.7#
84 59.6 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: 67.568 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063219.D

Acq: 30 Jul 2019 2:12

Instrument :

MSVOA_D

ClientSampleId :

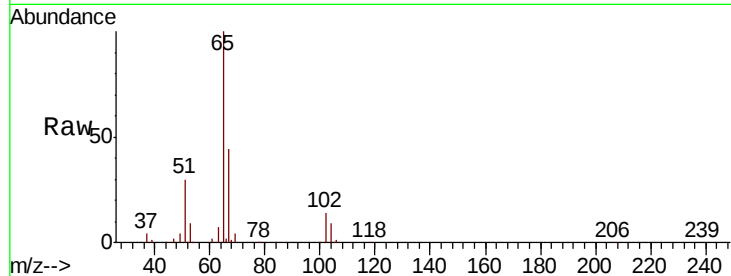
SP-6

Tot Ion: 65 Resp: 502887

Ion Ratio Lower Upper

65 100

67 43.8 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

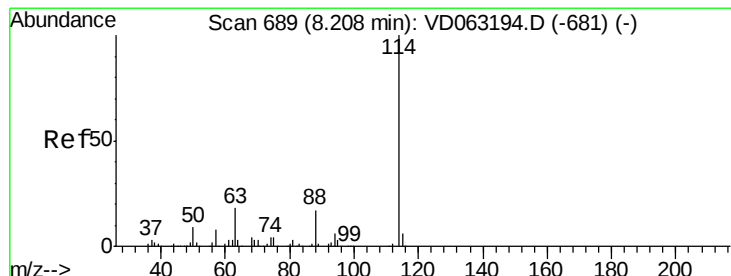
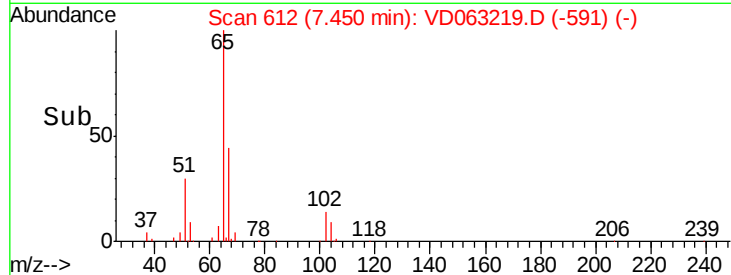
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063219.D

Acq: 30 Jul 2019 2:12

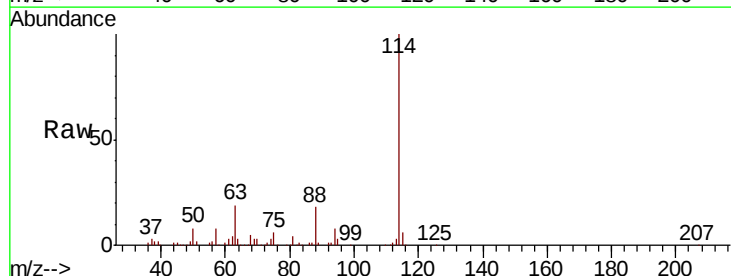
Tgt Ion: 114 Resp: 887046

Ion Ratio Lower Upper

114 100

63 19.4 0.0 35.2

88 18.3 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

400000

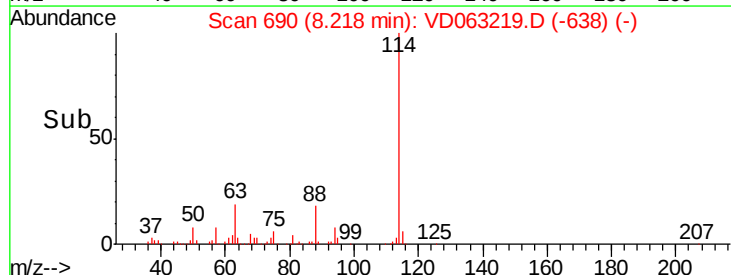
300000

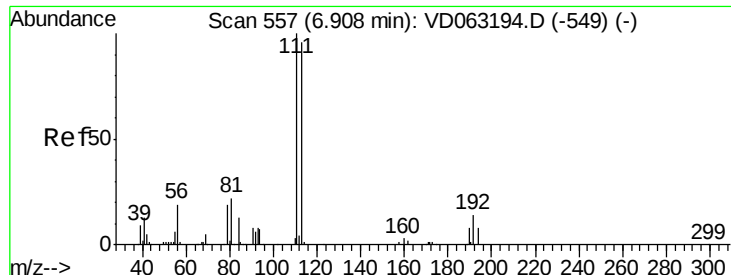
200000

100000

0

Time-->

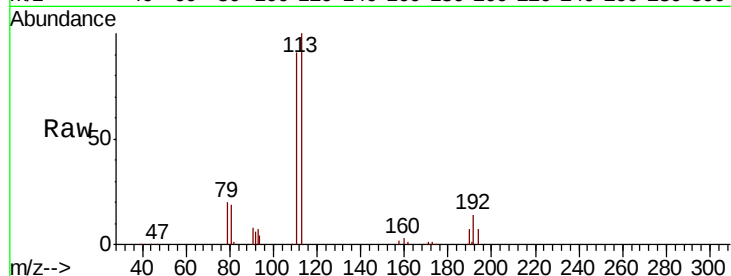




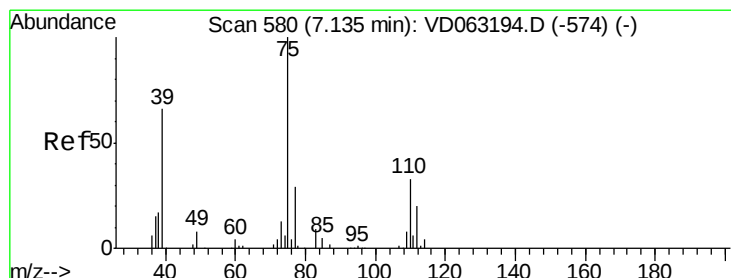
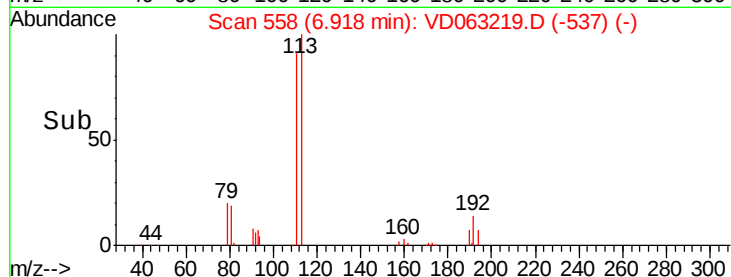
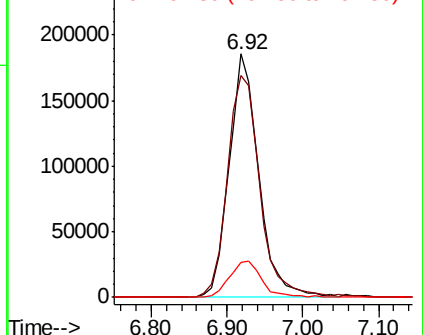
#35
 Dibromofluoromethane
 Concen: 66.070 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063219.D
 Acq: 30 Jul 2019 2:12

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-6

Tot Ion	Ratio	Lower	Upper
113	100		
111	91.0	83.2	124.8
192	14.3	11.8	17.8

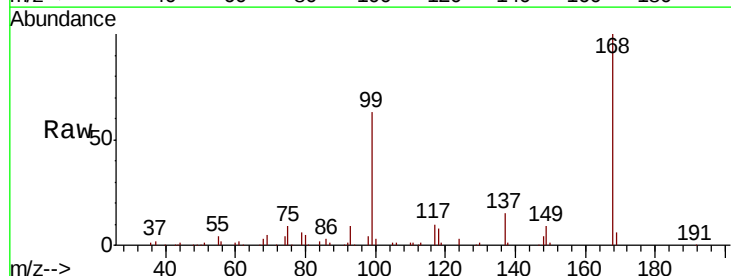


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

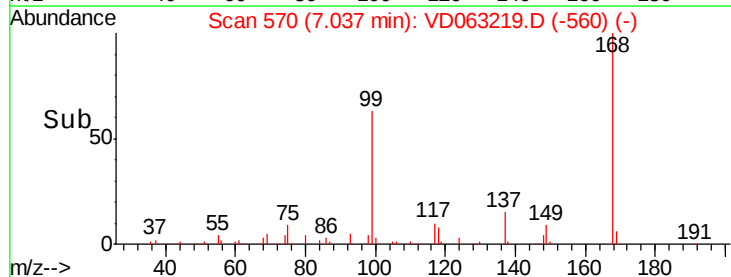
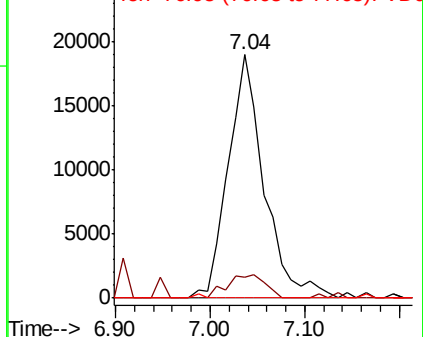


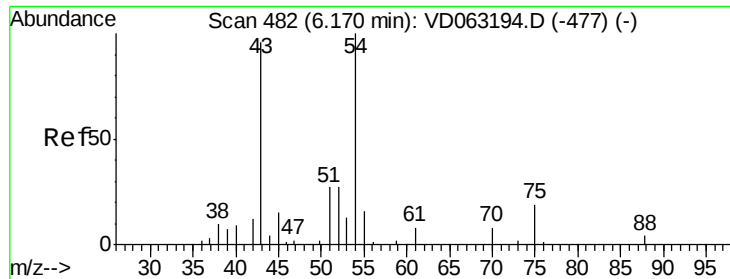
#36
 1,1-Dichloropropene
 Concen: 6.161 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD063219.D
 Acq: 30 Jul 2019 2:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	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): V
 Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 1.523 ug/l

RT: 6.17 min Scan# 482

Delta R.T. 0.00 min

Lab File: VD063219.D

Acq: 30 Jul 2019 2:12

Instrument :

MSVOA_D

ClientSampled :

SP-6

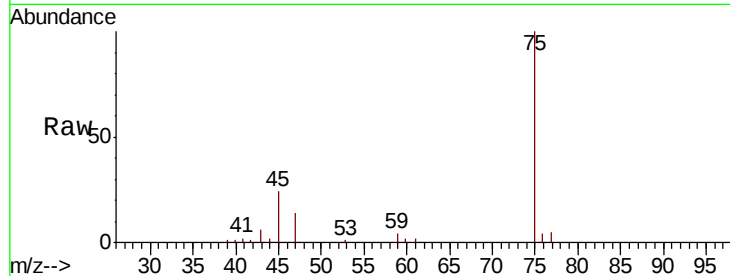
Tot Ion: 43 Resp: 5539

Ion Ratio Lower Upper

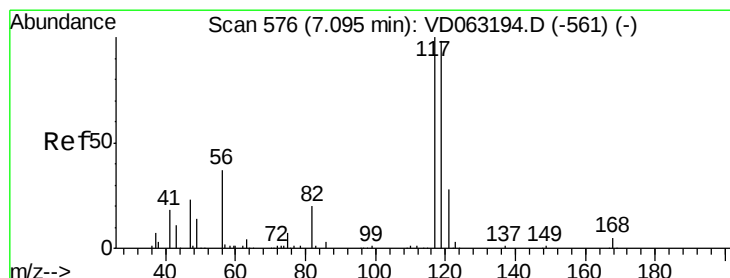
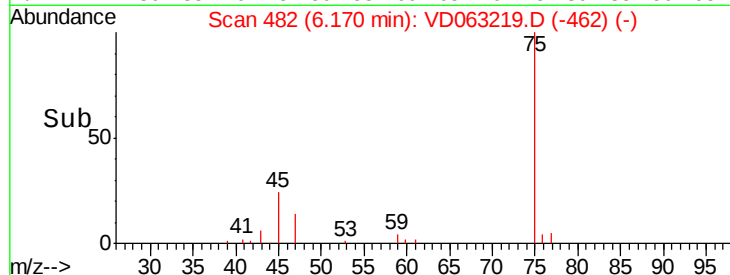
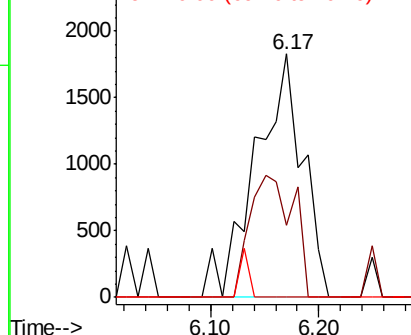
43 100

61 29.8 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: 5.286 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063219.D

Acq: 30 Jul 2019 2:12

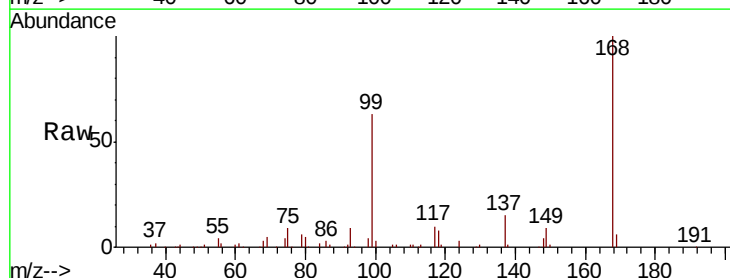
Tgt Ion: 117 Resp: 64419

Ion Ratio Lower Upper

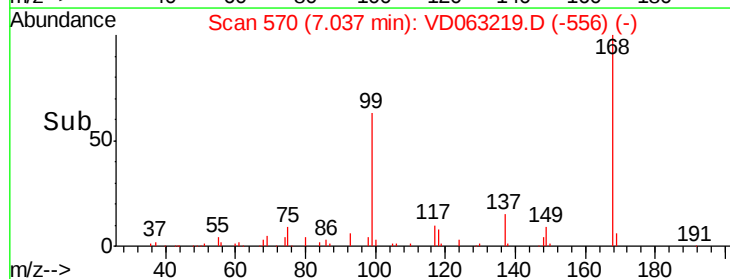
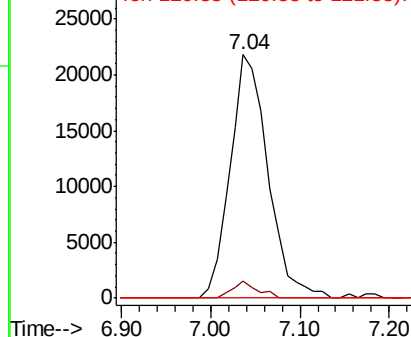
117 100

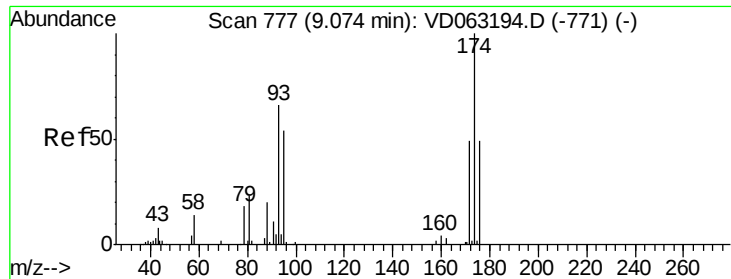
119 7.1 78.2 117.2#

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

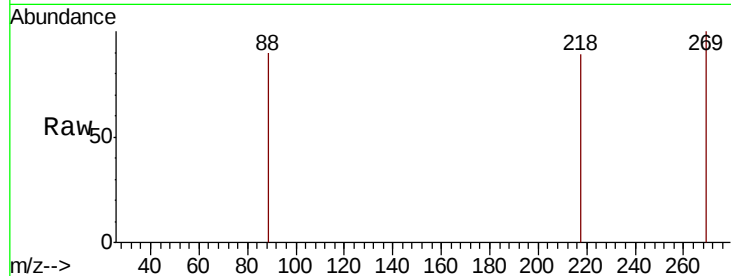




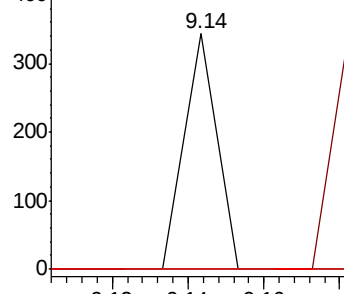
#49
1,4-Dioxane
Concen: 3.852 ug/l
RT: 9.14 min Scan# 784
Delta R.T. 0.07 min
Lab File: VD063219.D
Acq: 30 Jul 2019 2:12

Instrument :
MSVOA_D
ClientSampleId :
SP-6

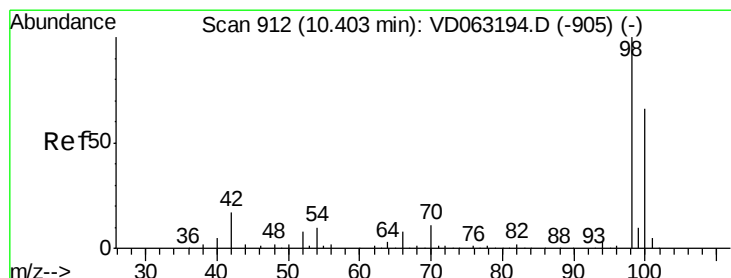
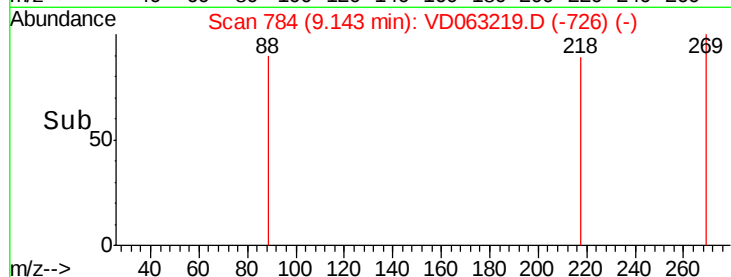
Tot Ion: 88 Resp: 203
Ion Ratio Lower Upper
88 100
43 0.0 30.7 46.1#
58 0.0 56.5 84.7#



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

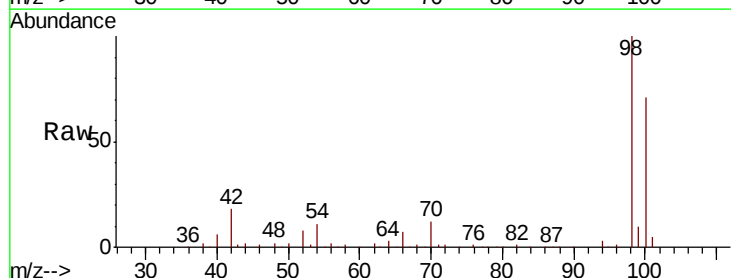


Time-->

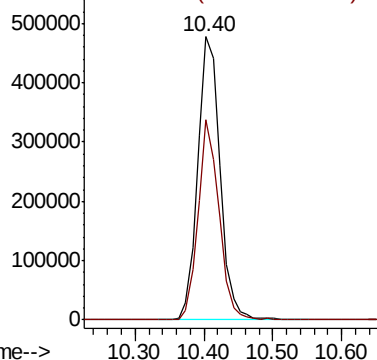


#50
Toluene-d8
Concen: 63.226 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063219.D
Acq: 30 Jul 2019 2:12

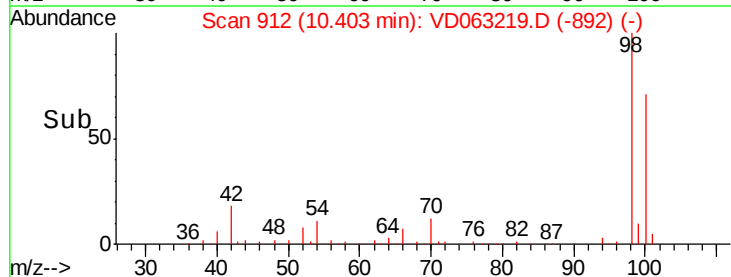
Tgt Ion: 98 Resp: 1071647
Ion Ratio Lower Upper
98 100
100 70.6 53.2 79.8

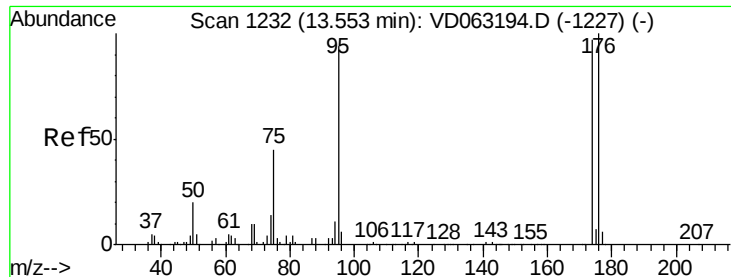


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC



Time-->





#62

4-Bromofluorobenzene

Concen: 45.205 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063219.D

Acq: 30 Jul 2019 2:12

Instrument :

MSVOA_D

ClientSampleId :

SP-6

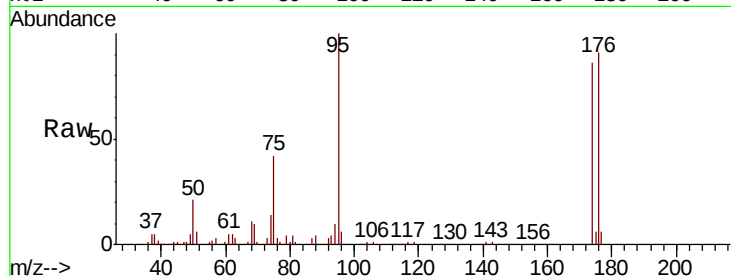
Tot Ion: 95 Resp: 349153

Ion Ratio Lower Upper

95 100

174 86.2 0.0 205.4

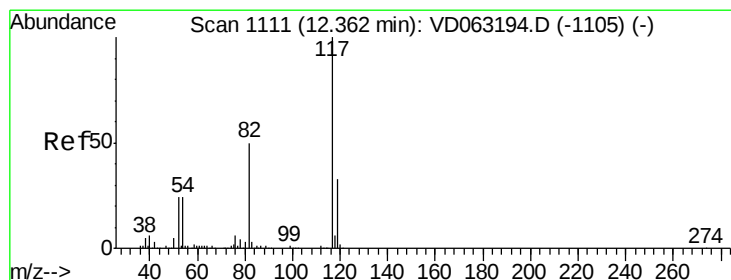
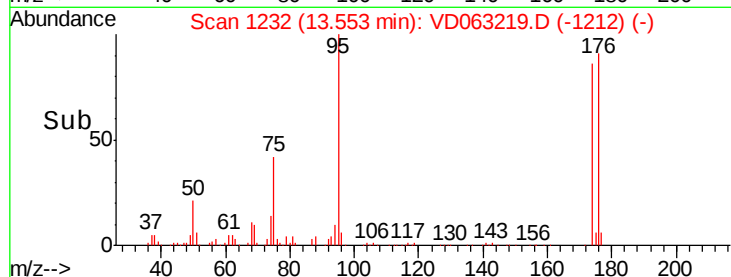
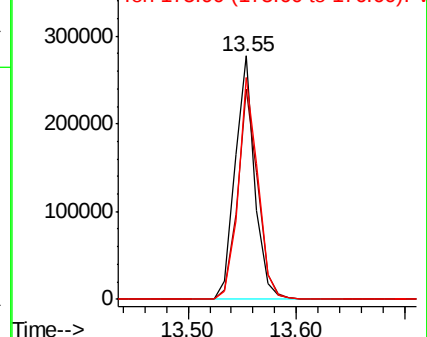
176 91.0 0.0 211.8



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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD063219.D

Acq: 30 Jul 2019 2:12

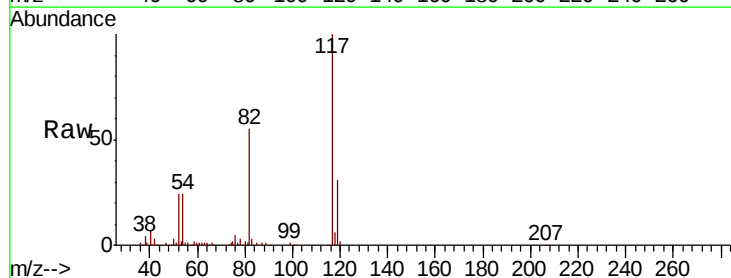
Tgt Ion: 117 Resp: 590087

Ion Ratio Lower Upper

117 100

82 54.6 40.1 60.1

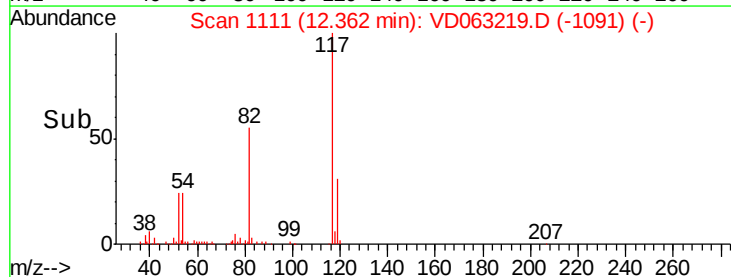
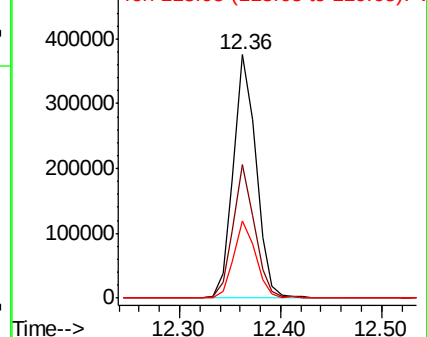
119 31.5 26.5 39.7

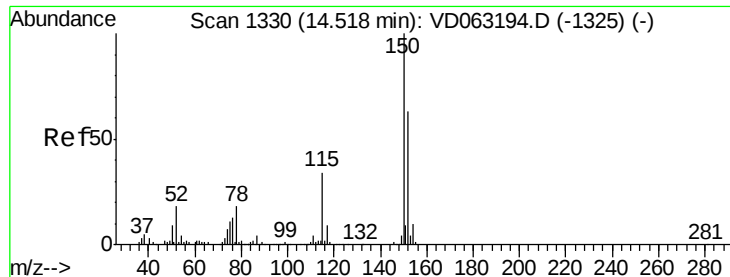


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063219.D

Acq: 30 Jul 2019 2:12

Instrument :

MSVOA_D

ClientSampleId :

SP-6

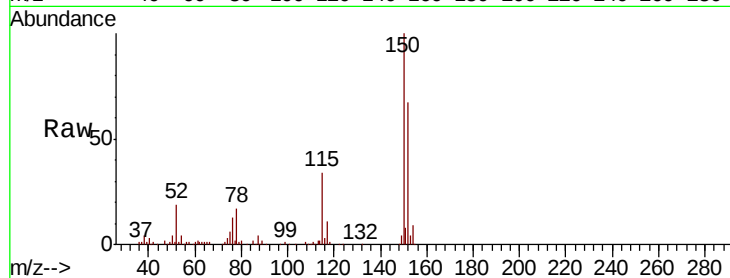
Tot Ion:152 Resp: 232696

Ion Ratio Lower Upper

152 100

115 51.3 27.5 82.4

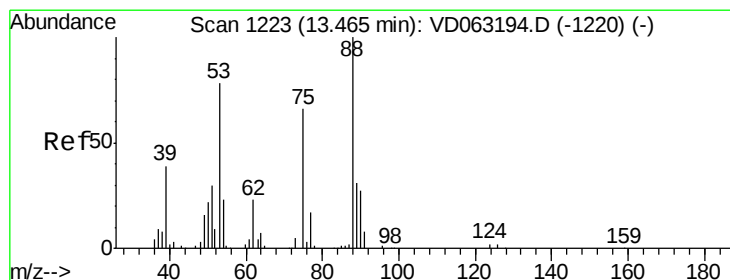
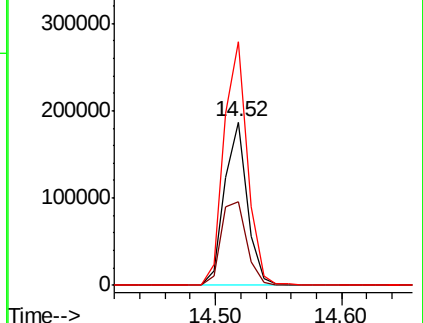
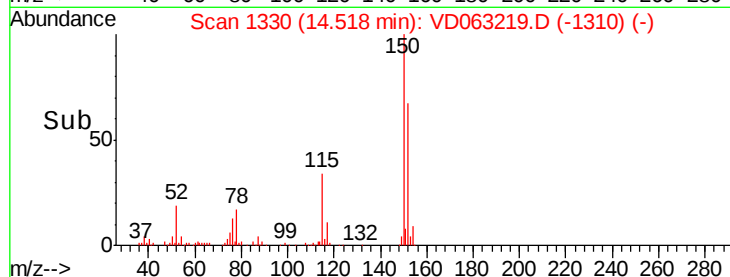
150 149.2 0.0 320.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 202.500 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063219.D

Acq: 30 Jul 2019 2:12

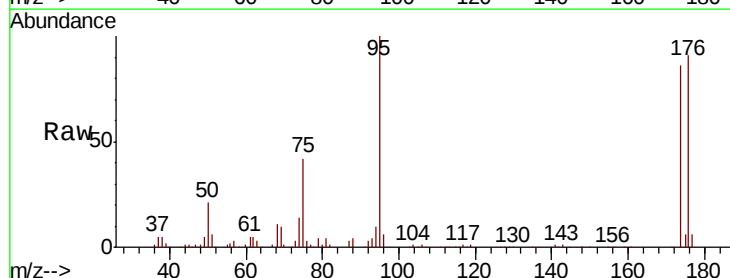
Tgt Ion: 75 Resp: 157162

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

