

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063218.D
 Acq On : 30 Jul 2019 1:45
 Operator : VA/AP
 Sample : K4049-05
 Misc : 3.92g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-5

Quant Time: Jul 30 04:04:00 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	184886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	287977	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	231319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	97595	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	211782	103.23	ug/l	0.01
Spiked Amount 50.000			Recovery =	206.46%		
35) Dibromofluoromethane	6.92	113	56992	23.18	ug/l	0.01
Spiked Amount 50.000			Recovery =	46.36%		
50) Toluene-d8	10.40	98	298721	54.29	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.58%		
62) 4-Bromofluorobenzene	13.55	95	128308	51.17	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.34%		

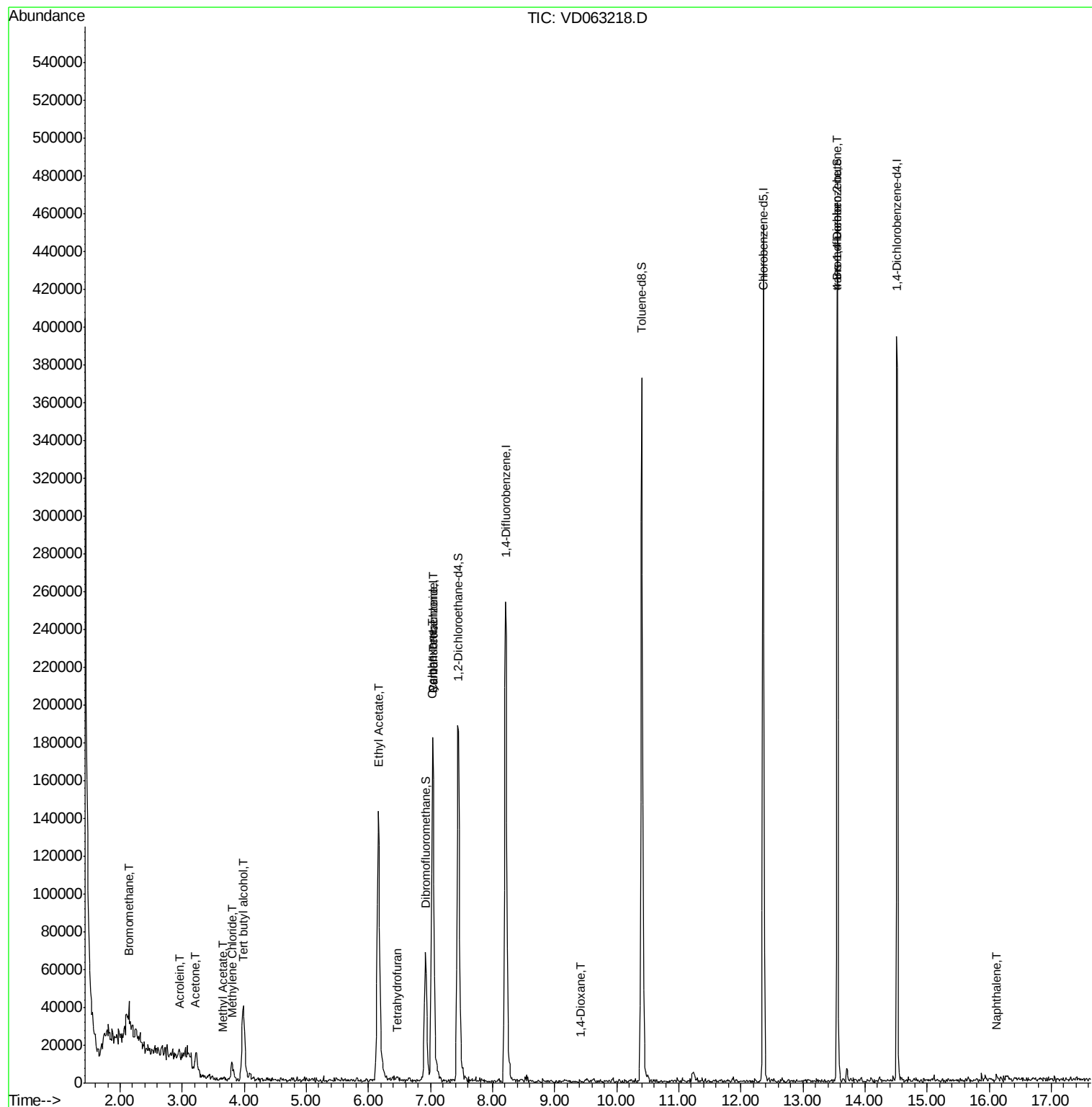
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	2463	2.687	ug/l #	1
11) Tert butyl alcohol	3.99	59	36712	407.779	ug/l #	69
13) Acrolein	2.97	56	284	3.278	ug/l	93
16) Acetone	3.23	43	25352	63.426	ug/l #	87
18) Methyl Acetate	3.66	43	1483	1.932	ug/l #	60
20) Methylene Chloride	3.80	84	4914	3.041	ug/l #	58
29) Tetrahydrofuran	6.47	42	1075	5.660	ug/l #	63
31) Cyclohexane	7.02	56	4256	2.329	ug/l #	1
37) Ethyl Acetate	6.16	43	9916	8.398	ug/l #	1
38) Carbon Tetrachloride	7.03	117	18690	4.724	ug/l #	20
49) 1,4-Dioxane	9.42	88	220	22.525	ug/l #	7
81) trans-1,4-Dichloro-2-buten	13.55	75	57063	175.305	ug/l #	3
95) Naphthalene	16.12	128	3134	1.038	ug/l #	70

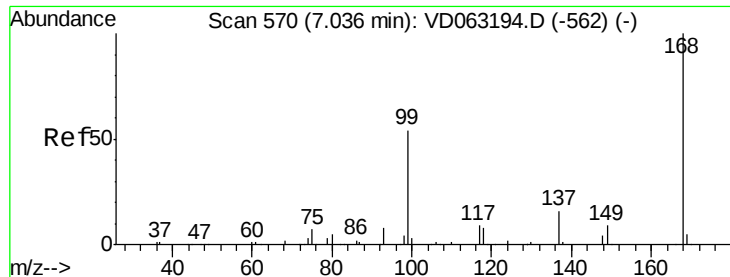
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VD063218.D

Acq: 30 Jul 2019 1:45

Instrument :

MSVOA_D

ClientSampled :

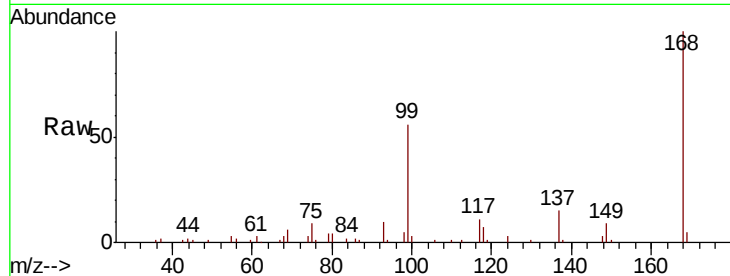
SP-5

Tot Ion:168 Resp: 184886

Ion Ratio Lower Upper

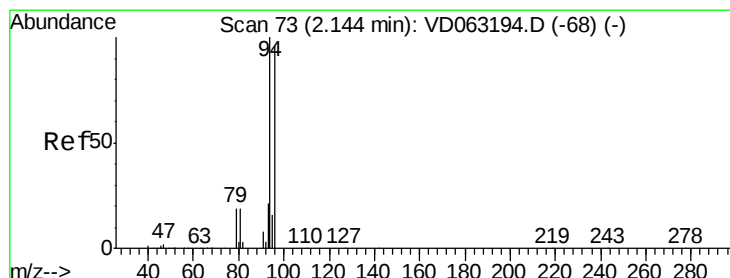
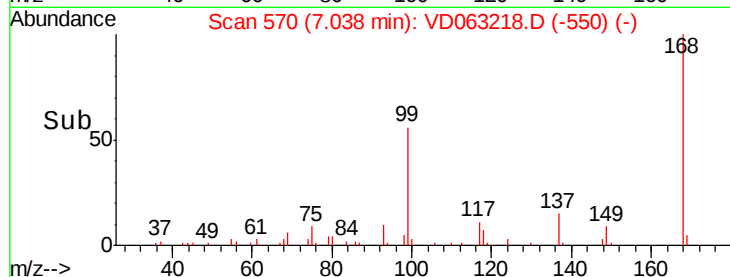
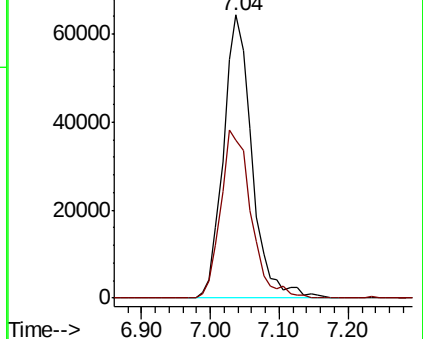
168 100

99 55.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.687 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063218.D

Acq: 30 Jul 2019 1:45

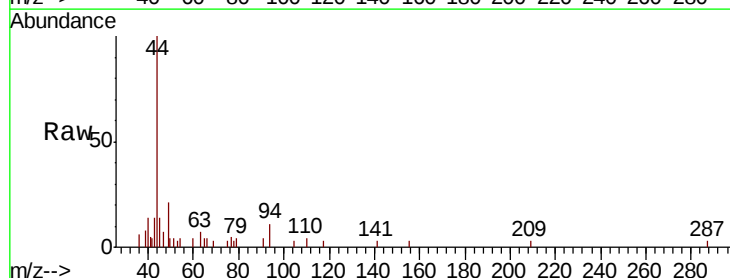
Tgt Ion: 94 Resp: 2463

Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#

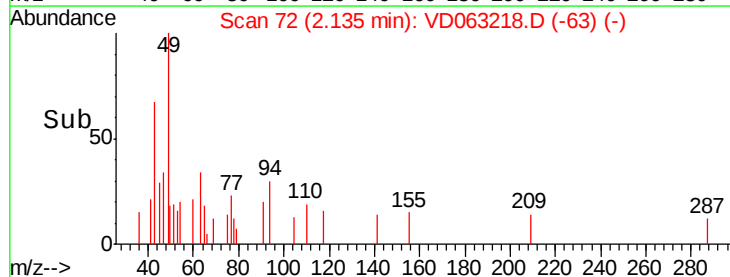
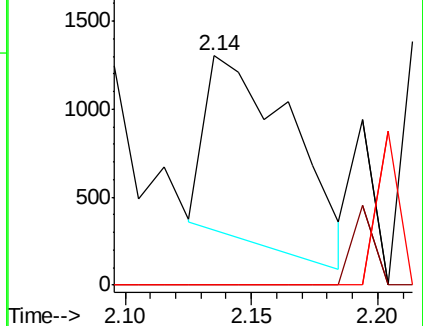
93 100.0 17.3 25.9#

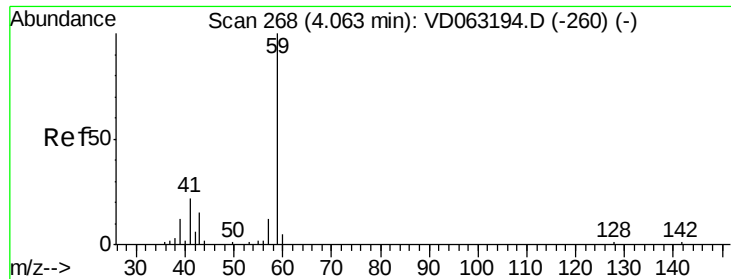


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



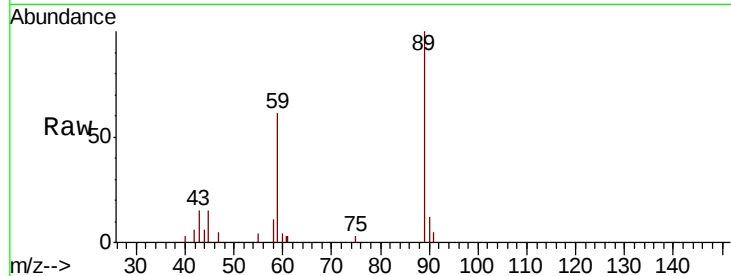


#11

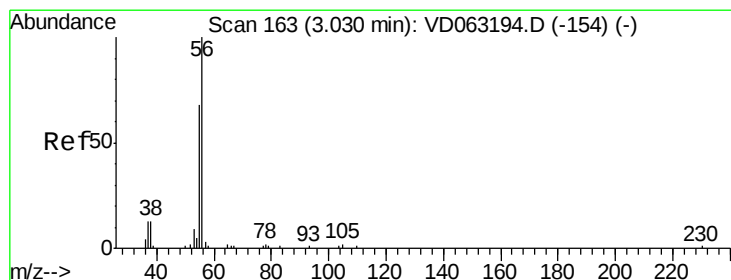
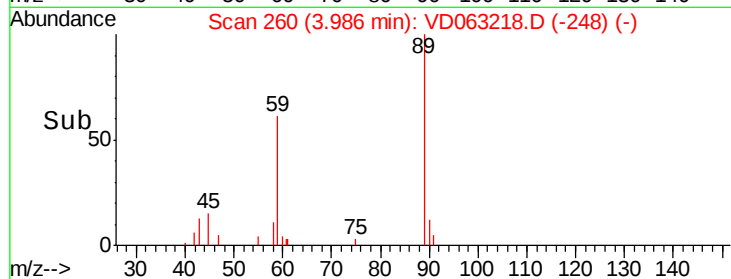
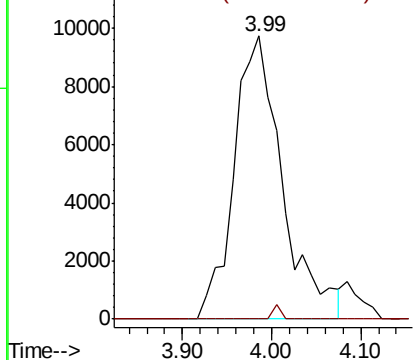
Tert butyl alcohol
 Concen: 407.779 ug/l
 RT: 3.99 min Scan# 260
 Delta R.T. -0.08 min
 Lab File: VD063218.D
 Acq: 30 Jul 2019 1:45

Instrument :
 MSVOA_D
 ClientSampled :
 SP-5

Tot Ion: 59 Resp: 36712
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.6 14.4#



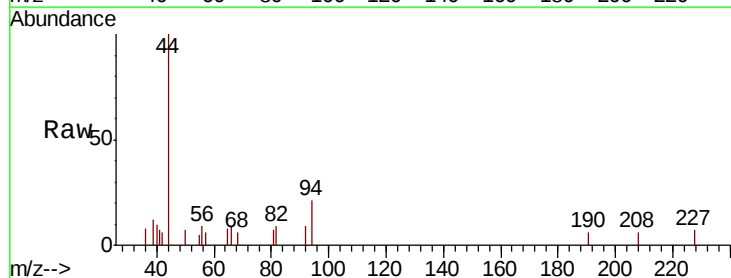
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



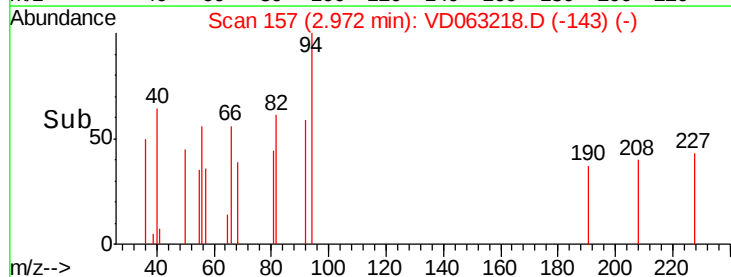
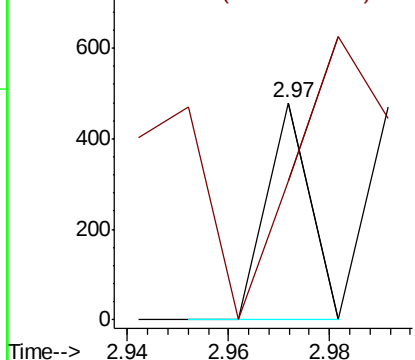
#13

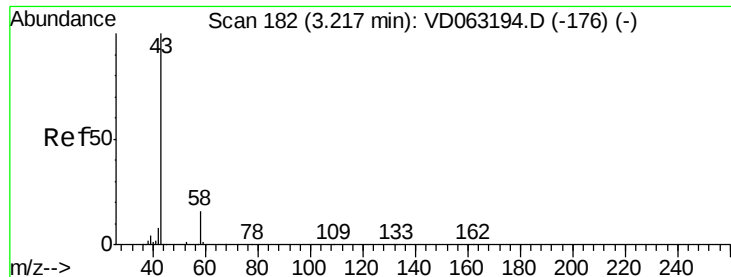
Acrolein
 Concen: 3.278 ug/l
 RT: 2.97 min Scan# 157
 Delta R.T. -0.06 min
 Lab File: VD063218.D
 Acq: 30 Jul 2019 1:45

Tgt Ion: 56 Resp: 284
 Ion Ratio Lower Upper
 56 100
 55 63.5 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC
 Ion 55.00 (54.70 to 55.70): VDC

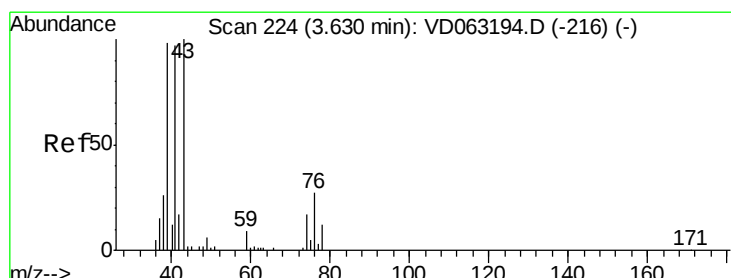
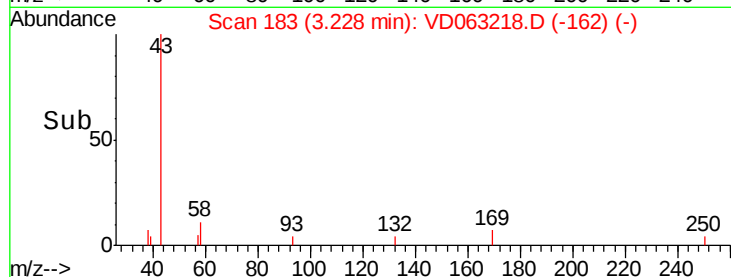
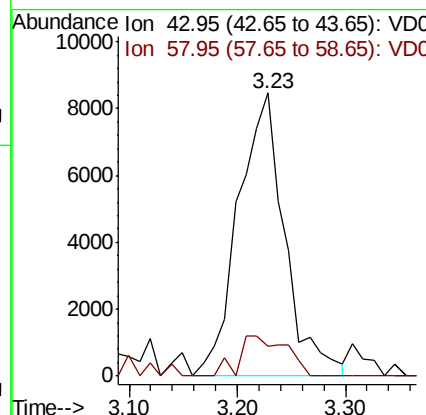
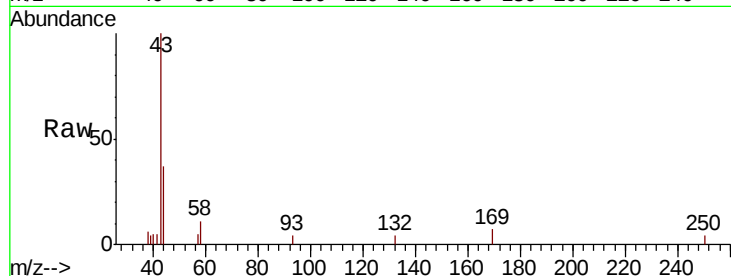




#16
Acetone
Concen: 63.426 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD063218.D
Acq: 30 Jul 2019 1:45

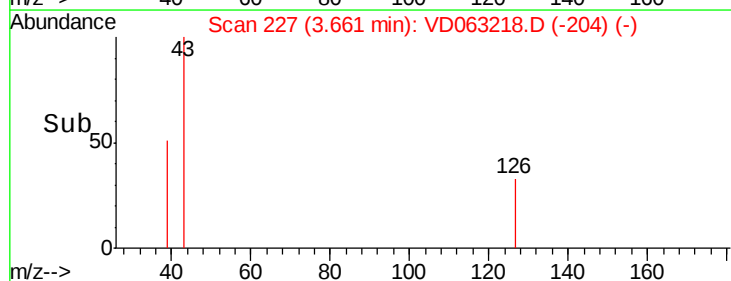
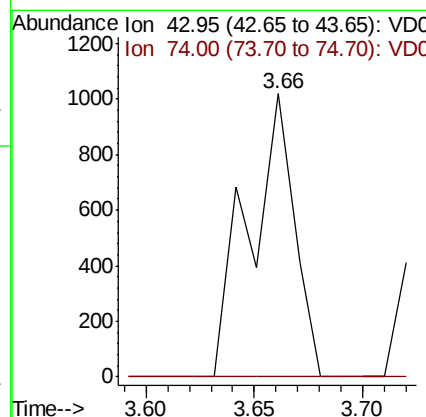
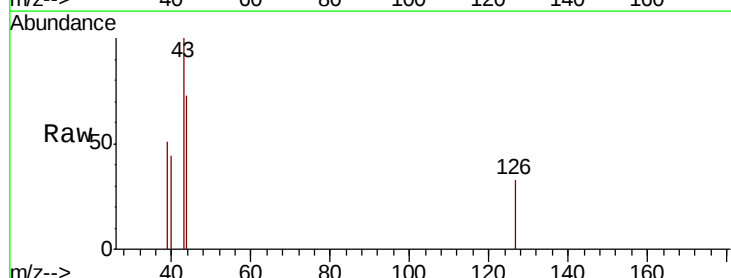
Instrument :
MSVOA_D
ClientSampleId :
SP-5

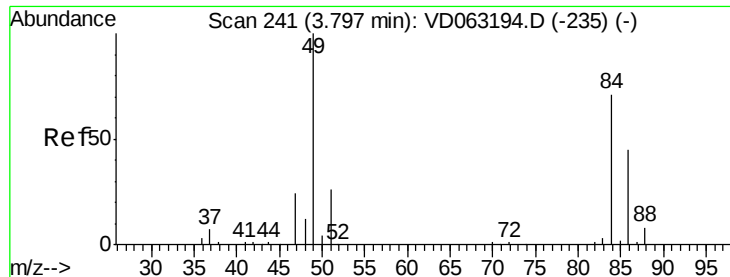
Tot Ion: 43 Resp: 25352
Ion Ratio Lower Upper
43 100
58 10.5 13.0 19.4#



#18
Methyl Acetate
Concen: 1.932 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.03 min
Lab File: VD063218.D
Acq: 30 Jul 2019 1:45

Tgt Ion: 43 Resp: 1483
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.8#





#20

Methylene Chloride

Concen: 3.041 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD063218.D

Acq: 30 Jul 2019 1:45

Instrument :

MSVOA_D

ClientSampleId :

SP-5

Tot Ion: 84 Resp: 4914

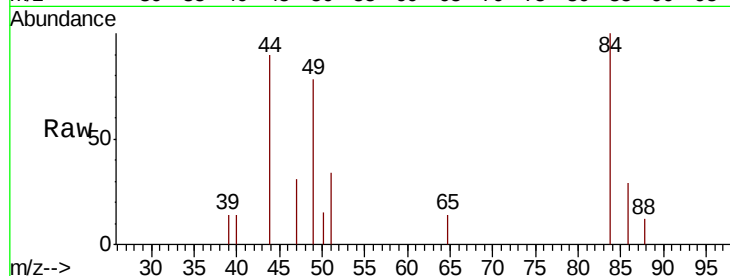
Ion Ratio Lower Upper

84 100

49 78.2 112.5 168.7#

51 34.4 29.6 44.4

86 29.4 50.4 75.6#

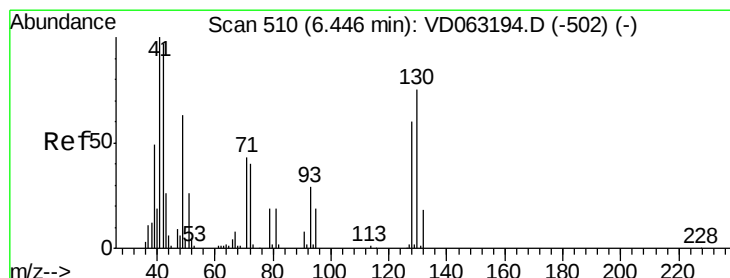
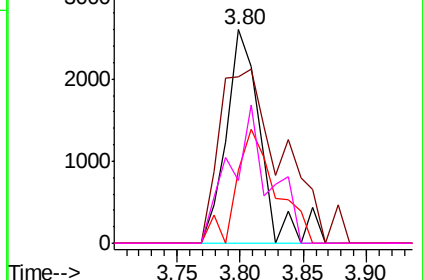
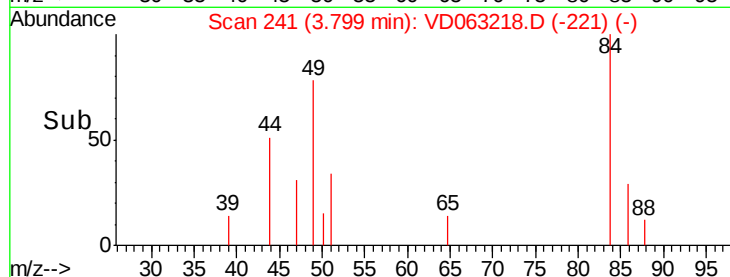


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#29

Tetrahydrofuran

Concen: 5.660 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063218.D

Acq: 30 Jul 2019 1:45

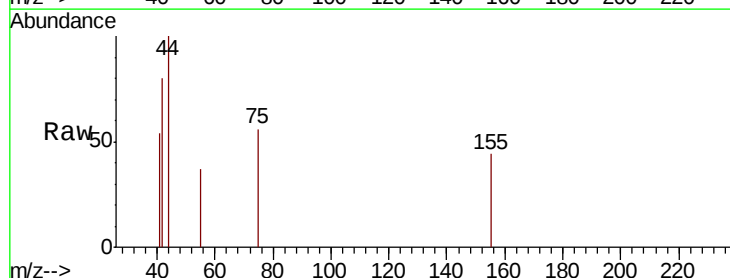
Tgt Ion: 42 Resp: 1075

Ion Ratio Lower Upper

42 100

72 21.0 33.4 50.2#

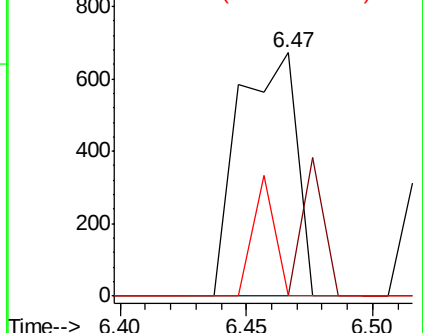
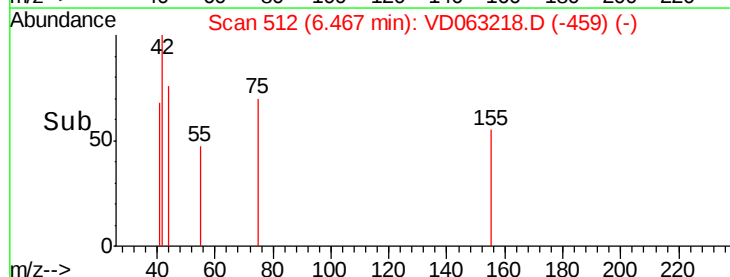
71 18.4 35.7 53.5#

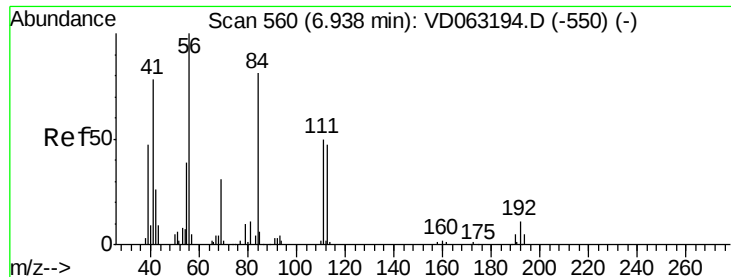


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

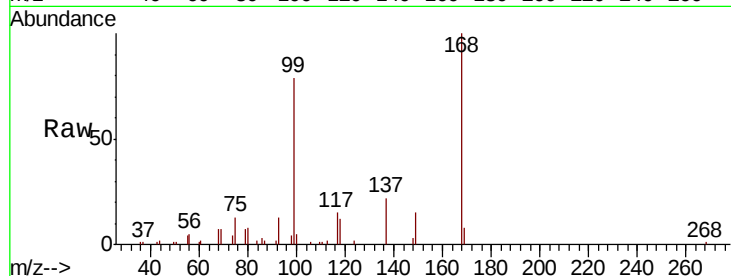




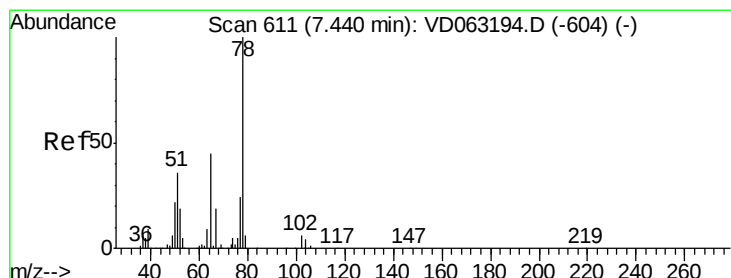
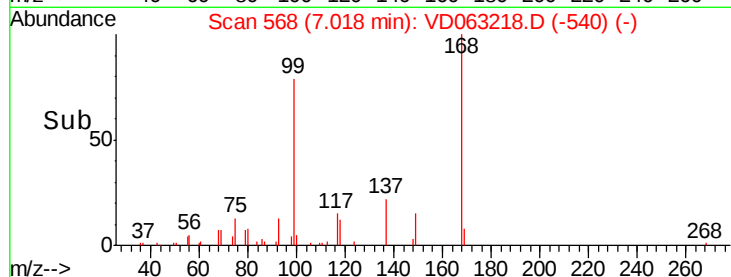
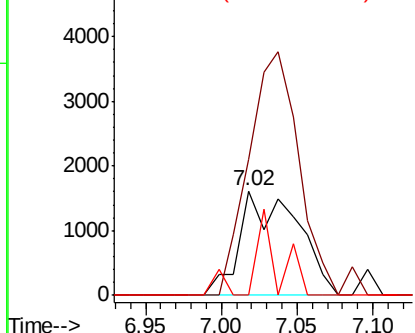
#31
Cyclohexane
Concen: 2.329 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.08 min
Lab File: VD063218.D
Acq: 30 Jul 2019 1:45

Instrument :
MSVOA_D
ClientSampleId :
SP-5

Tot Ion: 56 Resp: 4256
Ion Ratio Lower Upper
56 100
69 130.8 24.5 36.7#
84 0.0 64.9 97.3#

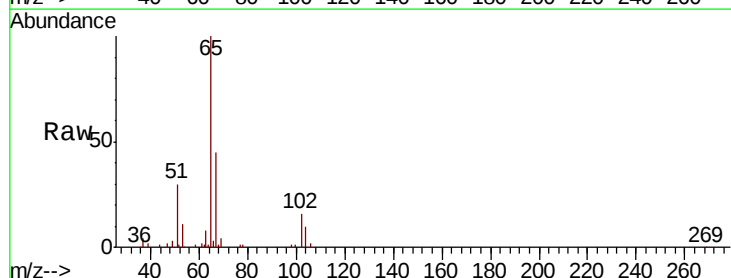


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

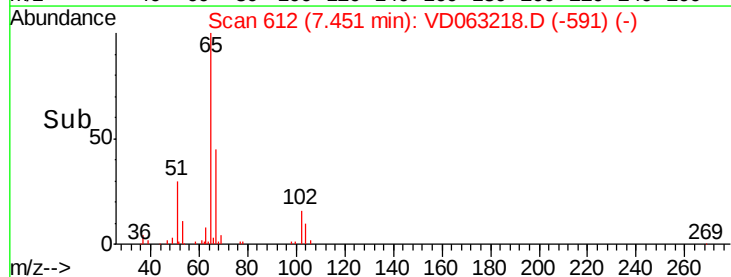
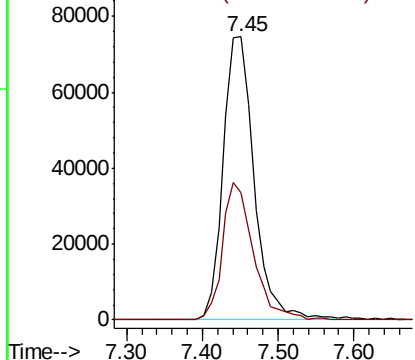


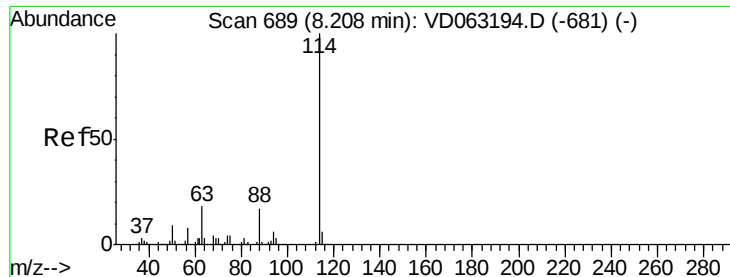
#33
1,2-Dichloroethane-d4
Concen: 103.233 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063218.D
Acq: 30 Jul 2019 1:45

Tgt Ion: 65 Resp: 211782
Ion Ratio Lower Upper
65 100
67 45.1 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: VD063218.D

Acq: 30 Jul 2019 1:45

Instrument :

MSVOA_D

ClientSampleId :

SP-5

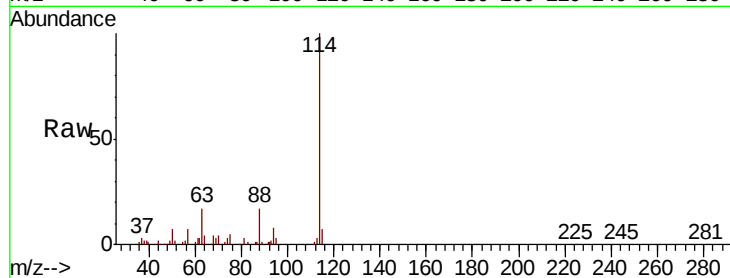
Tot Ion:114 Resp: 287977

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.2

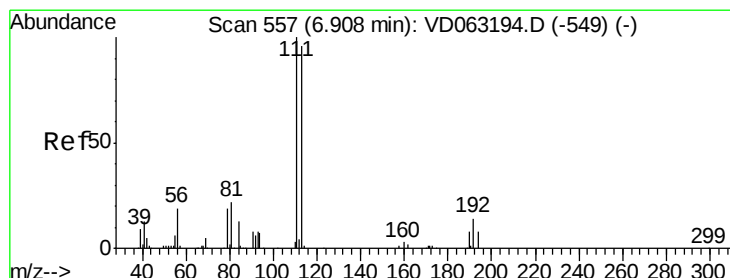
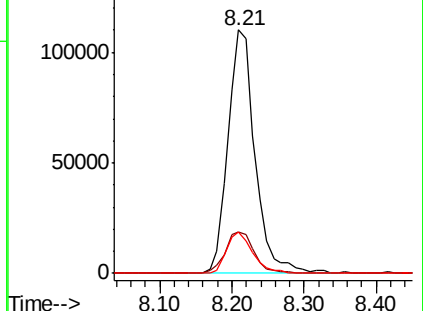
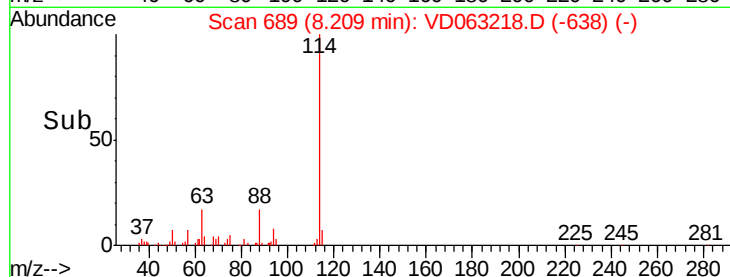
88 16.8 0.0 34.6



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: 23.180 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063218.D

Acq: 30 Jul 2019 1:45

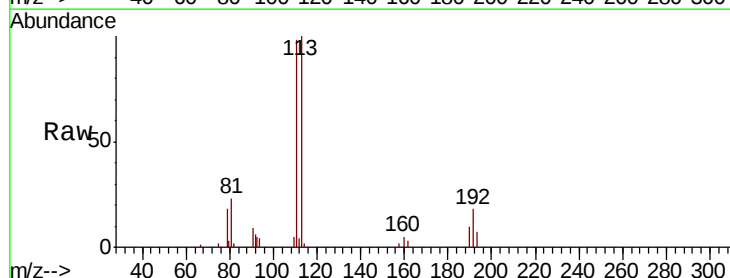
Tgt Ion:113 Resp: 56992

Ion Ratio Lower Upper

113 100

111 98.1 83.2 124.8

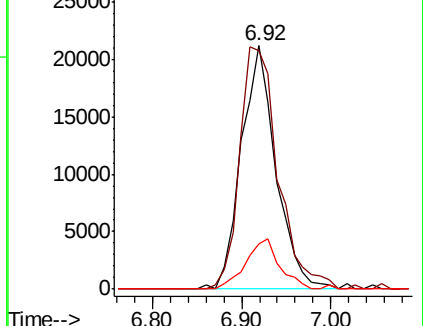
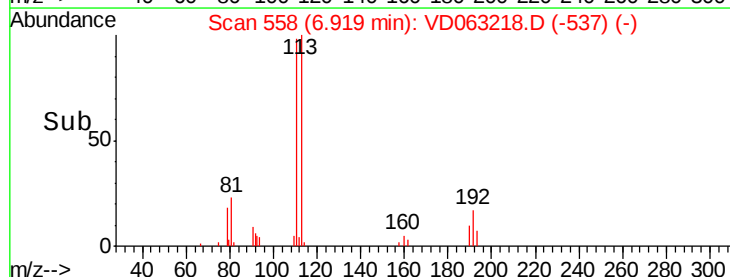
192 18.4 11.8 17.8#

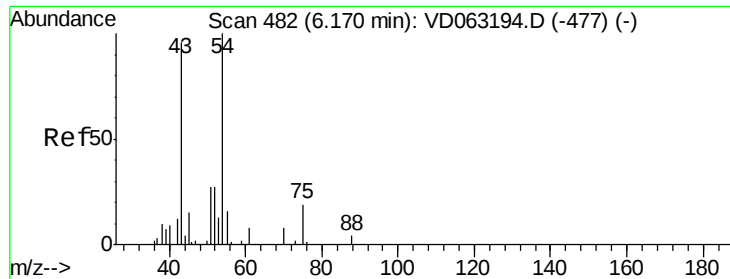


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

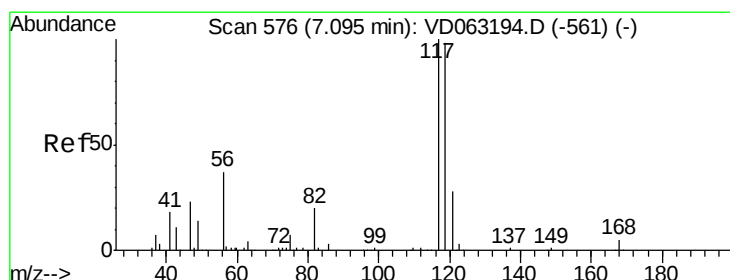
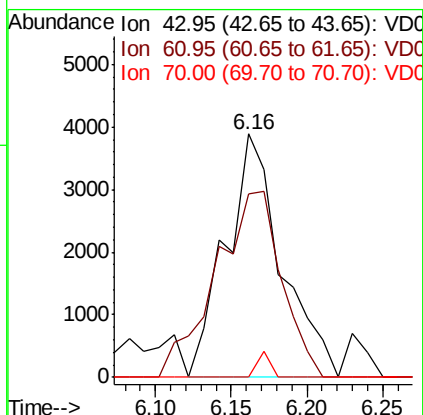
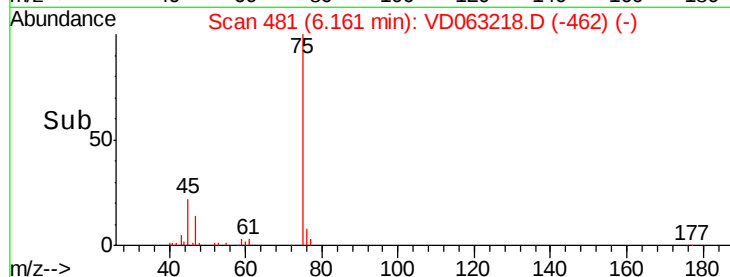
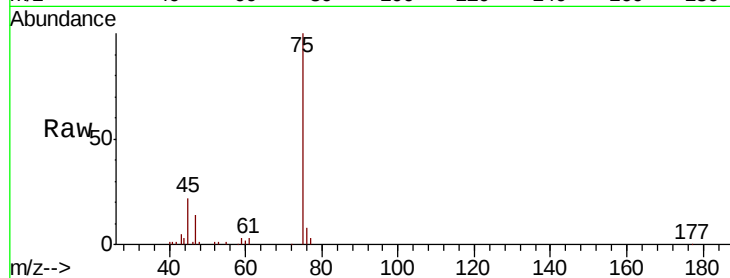




#37
Ethyl Acetate
Concen: 8.398 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD063218.D
Acq: 30 Jul 2019 1:45

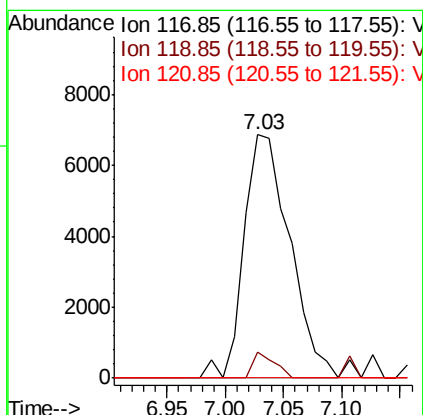
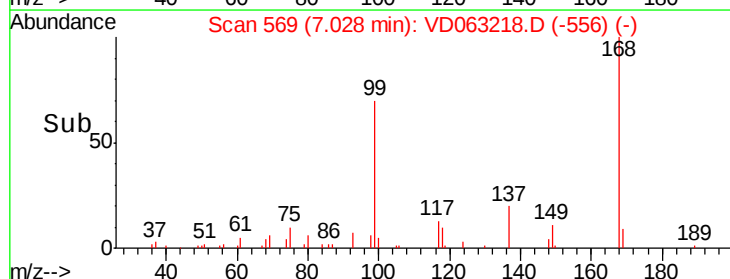
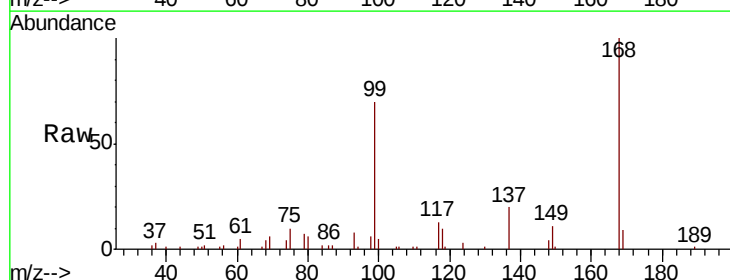
Instrument :
MSVOA_D
ClientSampled :
SP-5

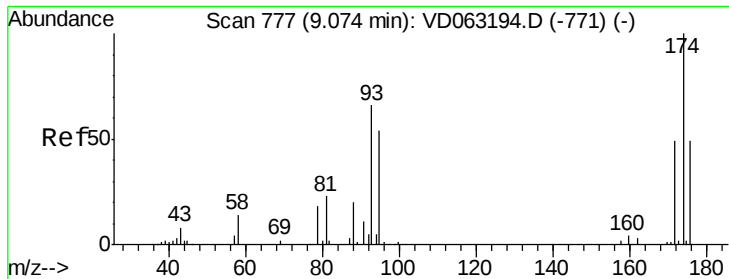
Tot Ion: 43 Resp: 9916
Ion Ratio Lower Upper
43 100
61 75.6 11.3 16.9#
70 0.0 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 4.724 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.07 min
Lab File: VD063218.D
Acq: 30 Jul 2019 1:45

Tgt Ion: 117 Resp: 18690
Ion Ratio Lower Upper
117 100
119 10.8 78.2 117.2#
121 0.0 22.1 33.1#

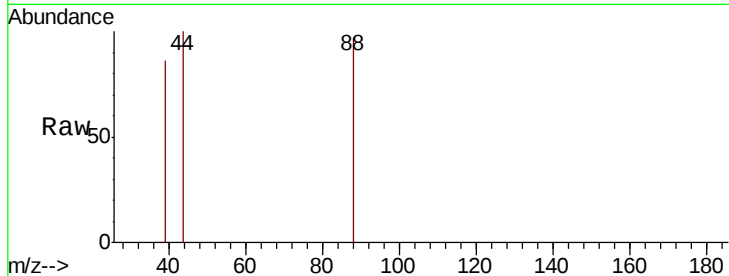




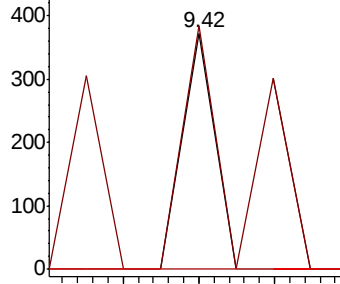
#49
 1,4-Dioxane
 Concen: 22.525 ug/l
 RT: 9.42 min Scan# 812
 Delta R.T. 0.35 min
 Lab File: VD063218.D
 Acq: 30 Jul 2019 1:45

Instrument :
 MSVOA_D
 ClientSampleID :
 SP-5

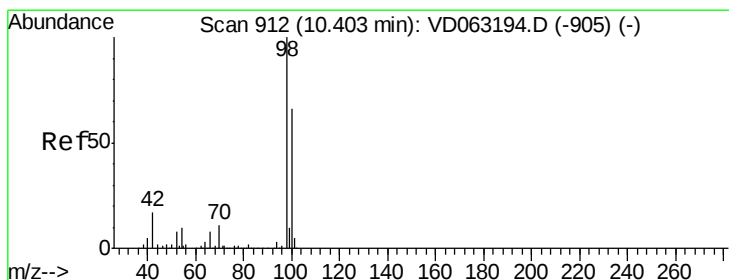
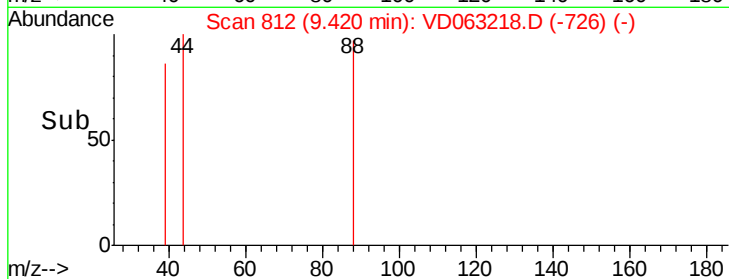
Tot Ion: 88 Resp: 220
 Ion Ratio Lower Upper
 88 100
 43 102.9 30.7 46.1#
 58 0.0 56.5 84.7#



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

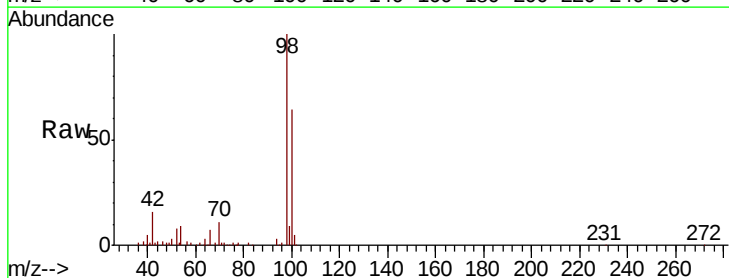


Time-->

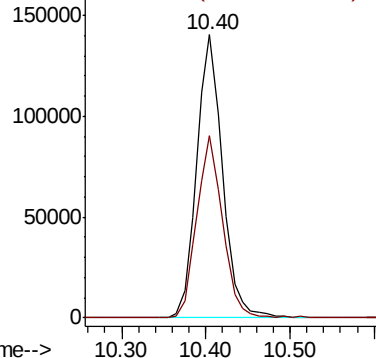


#50
 Toluene-d8
 Concen: 54.287 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VD063218.D
 Acq: 30 Jul 2019 1:45

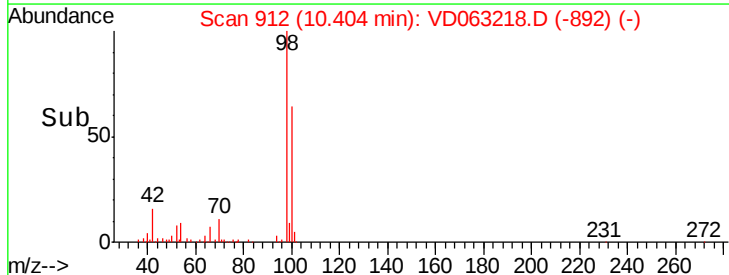
Tgt Ion: 98 Resp: 298721
 Ion Ratio Lower Upper
 98 100
 100 64.4 53.2 79.8

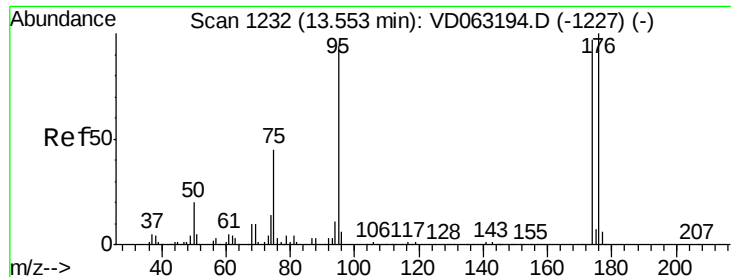


Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC



Time-->





#62

4-Bromofluorobenzene

Concen: 51.170 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063218.D

Acq: 30 Jul 2019 1:45

Instrument :

MSVOA_D

ClientSampleId :

SP-5

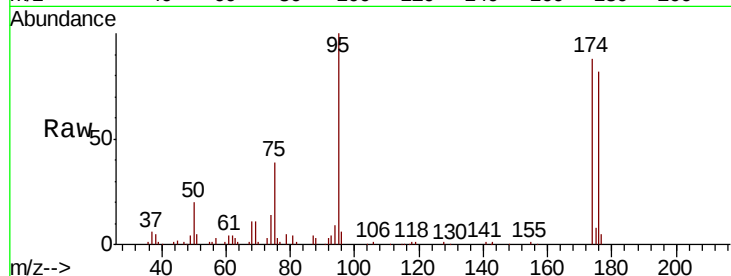
Tot Ion: 95 Resp: 128308

Ion Ratio Lower Upper

95 100

174 88.0 0.0 205.4

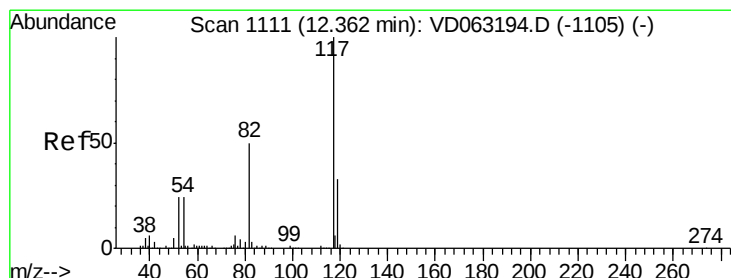
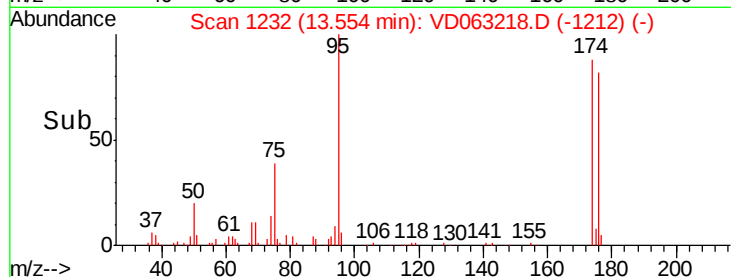
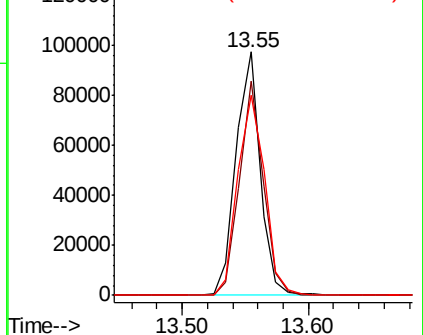
176 82.4 0.0 211.8



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: VD063218.D

Acq: 30 Jul 2019 1:45

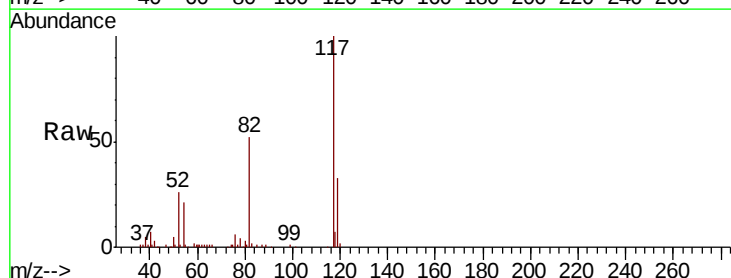
Tgt Ion: 117 Resp: 231319

Ion Ratio Lower Upper

117 100

82 51.5 40.1 60.1

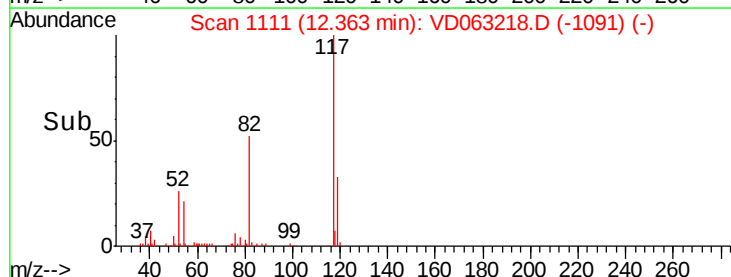
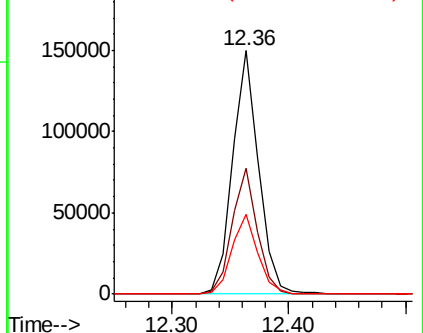
119 33.0 26.5 39.7

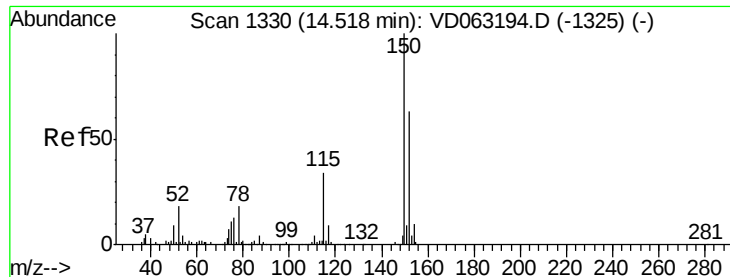


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063218.D

Acq: 30 Jul 2019 1:45

Instrument :

MSVOA_D

ClientSampled :

SP-5

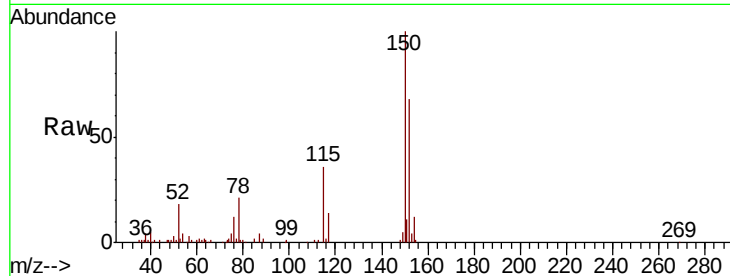
Tot Ion:152 Resp: 97595

Ion Ratio Lower Upper

152 100

115 52.8 27.5 82.4

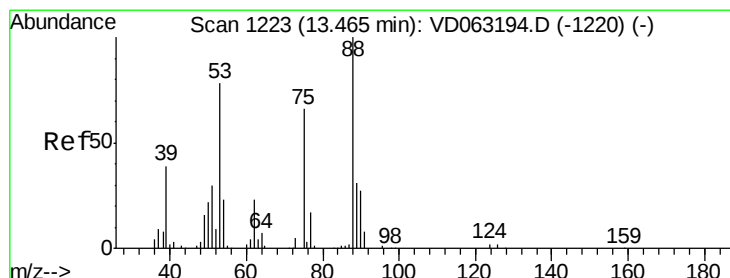
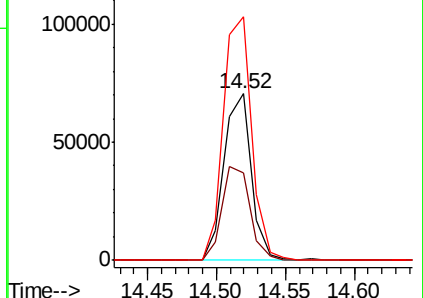
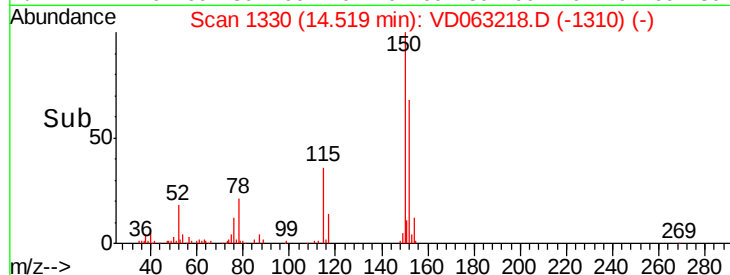
150 146.1 0.0 320.6



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: 175.305 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063218.D

Acq: 30 Jul 2019 1:45

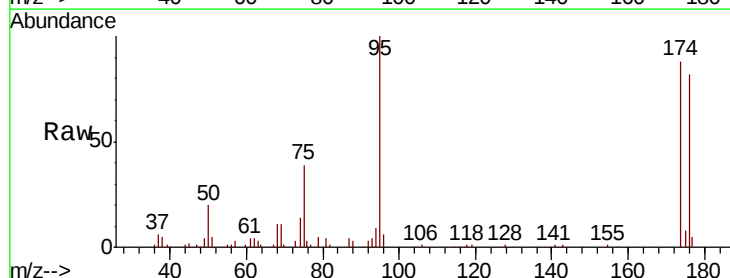
Tgt Ion: 75 Resp: 57063

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

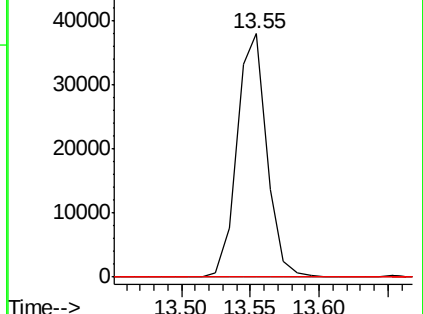
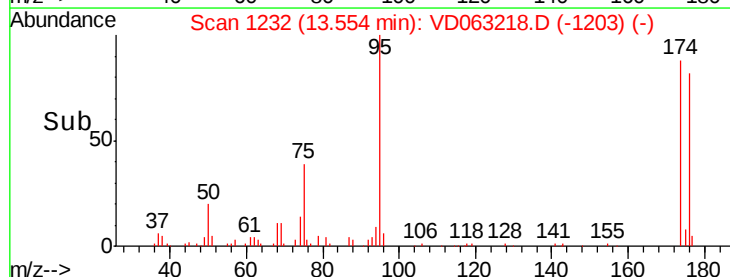
89 0.0 37.4 56.0#

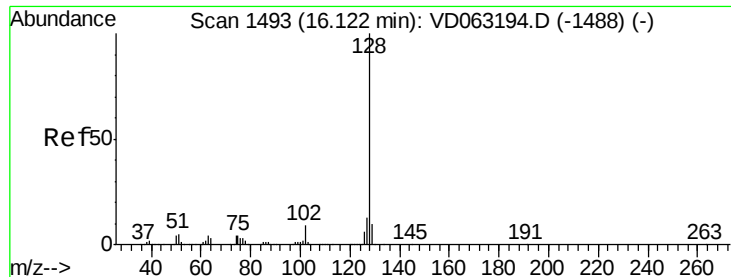


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95

Naphthalene

Concen: 1.038 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD063218.D

Acq: 30 Jul 2019 1:45

Instrument :

MSVOA_D

ClientSampleId :

SP-5

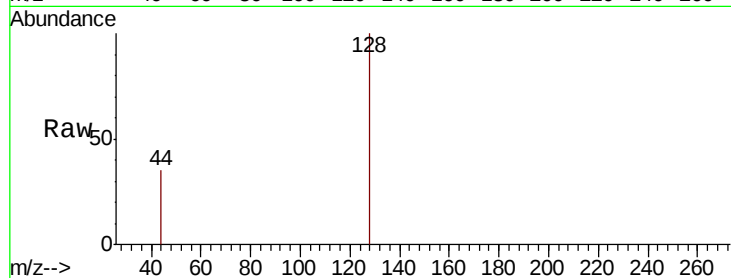
Tot Ion:128 Resp: 3134

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 7.8 11.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

