

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063217.D
 Acq On : 30 Jul 2019 1:18
 Operator : VA/AP
 Sample : K4049-04
 Misc : 3.65µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-4

Quant Time: Jul 30 04:03:50 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	681077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	954831	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	632023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	244591	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	529269	70.04	ug/l	0.02
Spiked Amount			Recovery	=	140.08%	
35) Dibromofluoromethane	6.92	113	504613	61.90	ug/l	0.02
Spiked Amount			Recovery	=	123.80%	
50) Toluene-d8	10.41	98	1156186	63.37	ug/l	0.00
Spiked Amount			Recovery	=	126.74%	
62) 4-Bromofluorobenzene	13.56	95	384439	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	

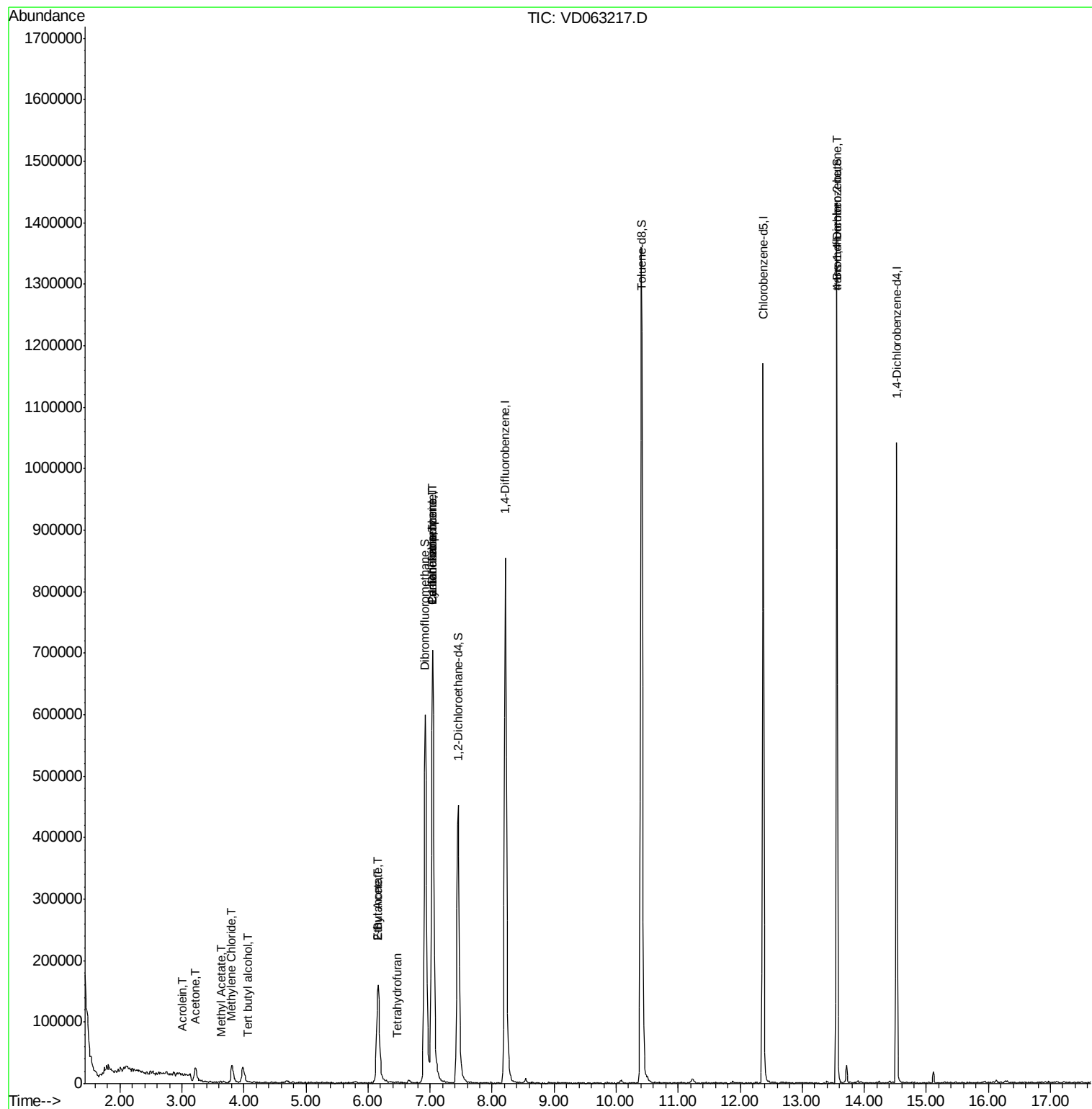
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	2110	6.362	ug/l #	69
13) Acrolein	3.02	56	623	1.952	ug/l #	75
16) Acetone	3.22	43	44761	30.399	ug/l	100
18) Methyl Acetate	3.63	43	3630	1.283	ug/l #	60
20) Methylene Chloride	3.80	84	17475	2.936	ug/l #	82
25) 2-Butanone	6.17	43	11480	7.769	ug/l #	56
29) Tetrahydrofuran	6.47	42	1860	2.659	ug/l #	33
31) Cyclohexane	7.04	56	13987	2.078	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	49046	5.628	ug/l #	52
37) Ethyl Acetate	6.17	43	11680	2.983	ug/l #	1
38) Carbon Tetrachloride	7.04	117	67835	5.171	ug/l #	11
81) trans-1,4-Dichloro-2-buten	13.56	75	177076	217.063	ug/l #	3

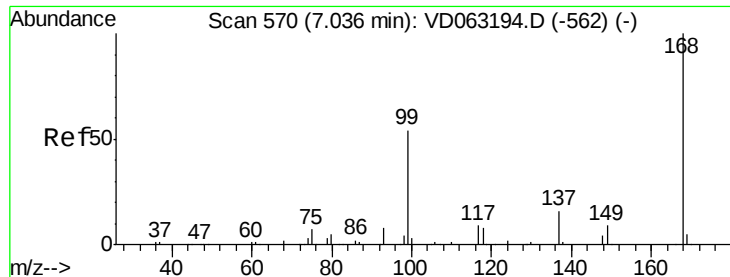
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
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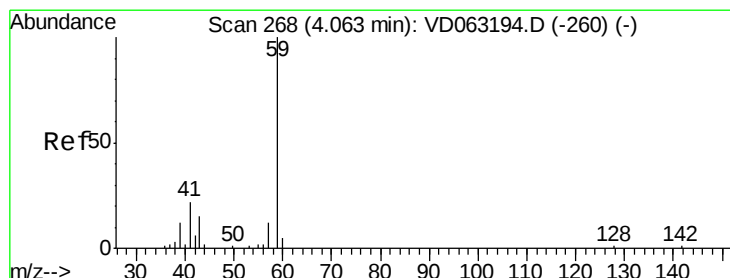
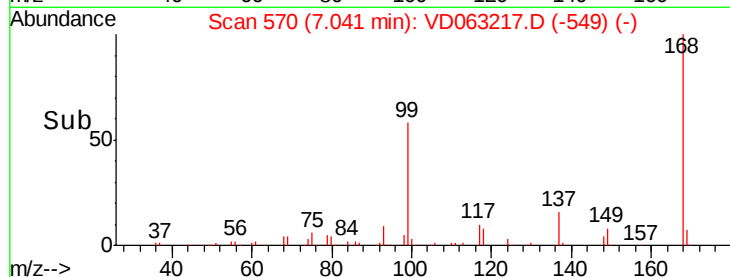
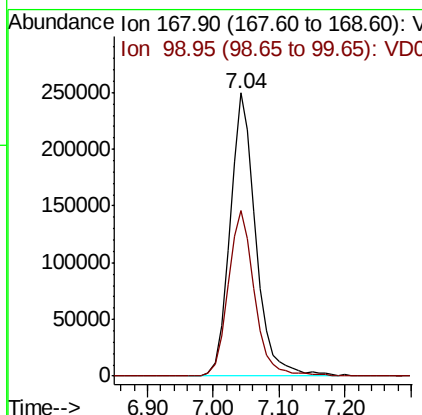
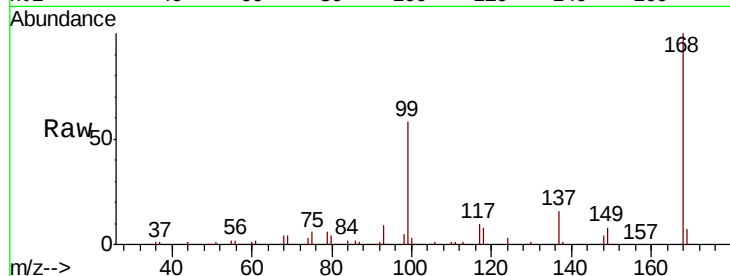




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.01 min
Lab File: VD063217.D
Acq: 30 Jul 2019 1:18

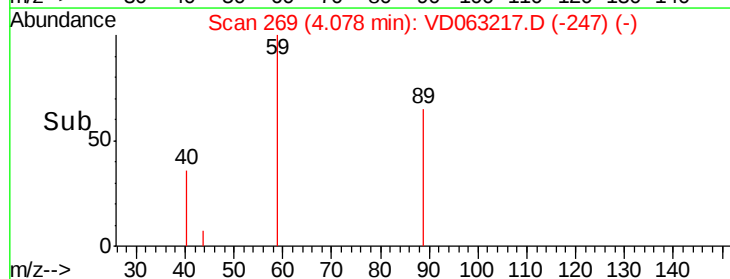
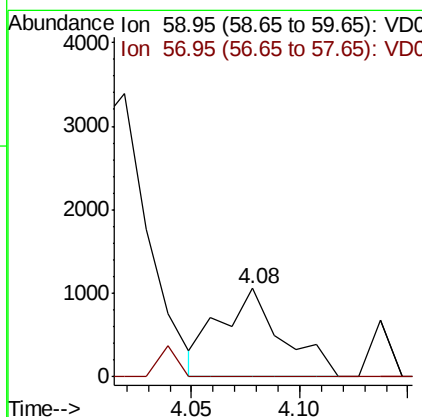
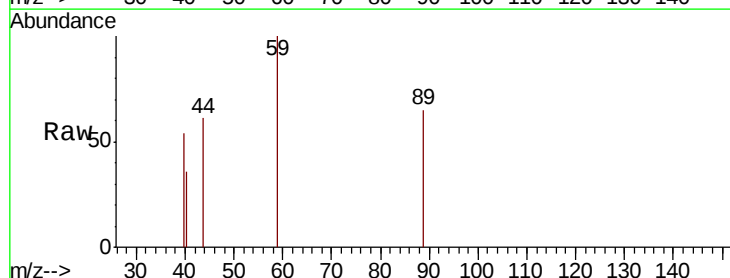
Instrument :
MSVOA_D
ClientSampleId :
SP-4

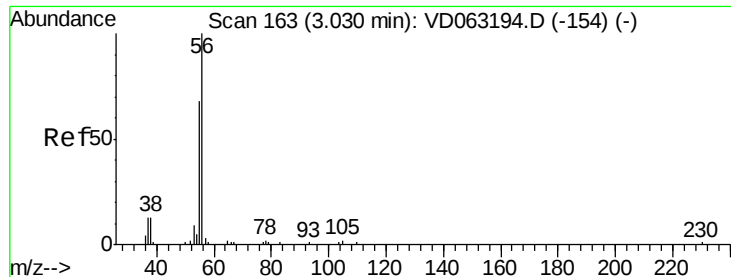
Tot Ion:168 Resp: 681077
Ion Ratio Lower Upper
168 100
99 58.4 43.7 65.5



#11
Tert butyl alcohol
Concen: 6.362 ug/l
RT: 4.08 min Scan# 269
Delta R.T. 0.02 min
Lab File: VD063217.D
Acq: 30 Jul 2019 1:18

Tgt Ion: 59 Resp: 2110
Ion Ratio Lower Upper
59 100
57 0.0 9.6 14.4#





#13

Acrolein

Concen: 1.952 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.00 min

Lab File: VD063217.D

Acq: 30 Jul 2019 1:18

Instrument :

MSVOA_D

ClientSampleID :

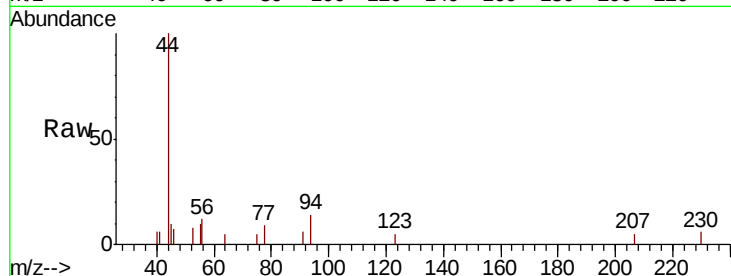
SP-4

Tot Ion: 56 Resp: 623

Ion Ratio Lower Upper

56 100

55 89.5 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

800

600

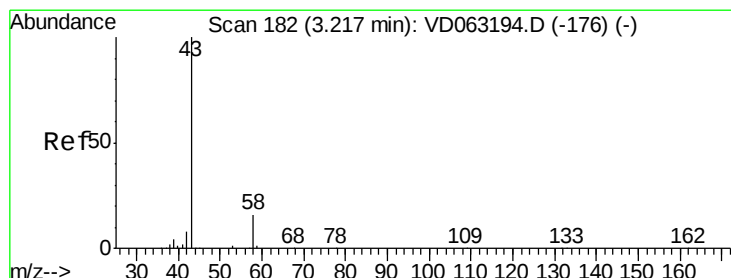
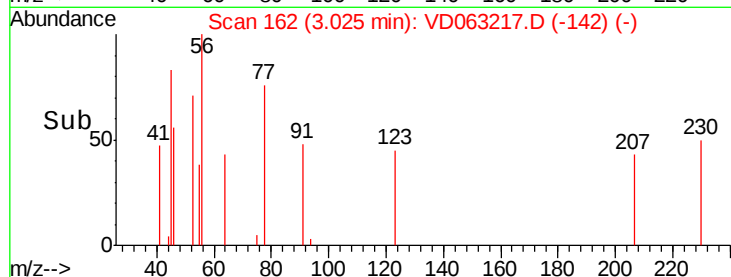
400

200

0

2.98 3.00 3.02 3.04 3.06

Time-->



#16

Acetone

Concen: 30.399 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD063217.D

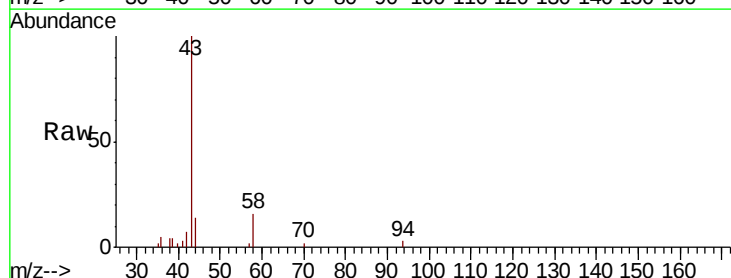
Acq: 30 Jul 2019 1:18

Tgt Ion: 43 Resp: 44761

Ion Ratio Lower Upper

43 100

58 16.3 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

15000

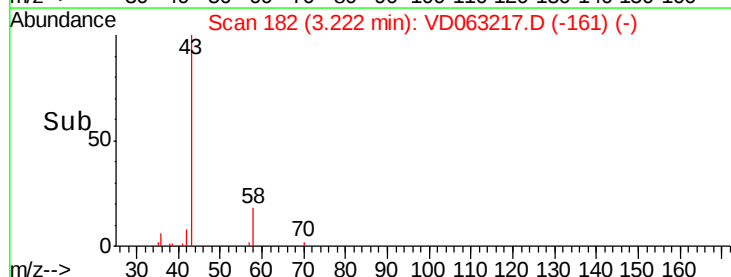
10000

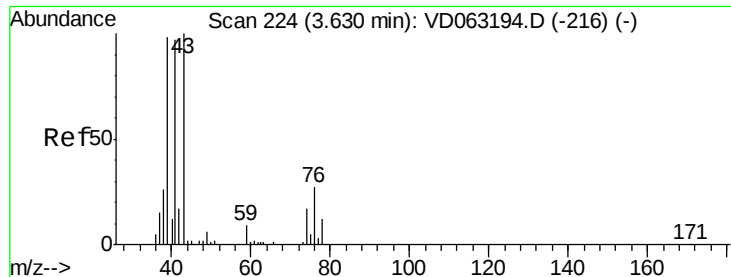
5000

0

3.15 3.20 3.25 3.30

Time-->

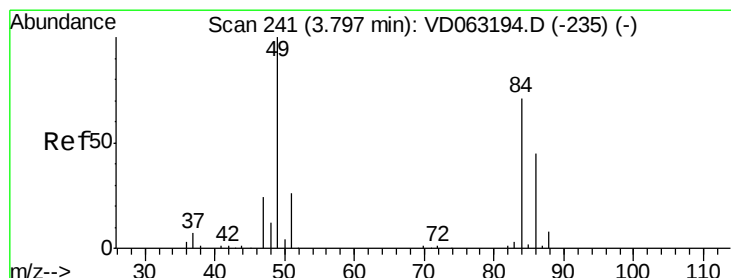
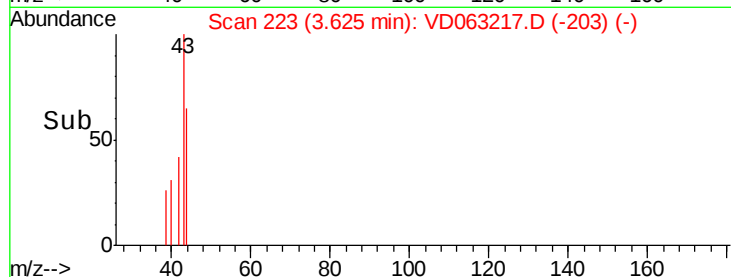
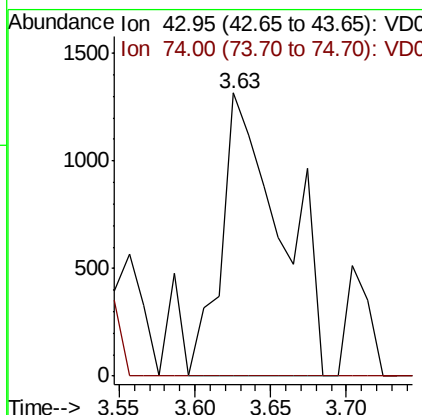
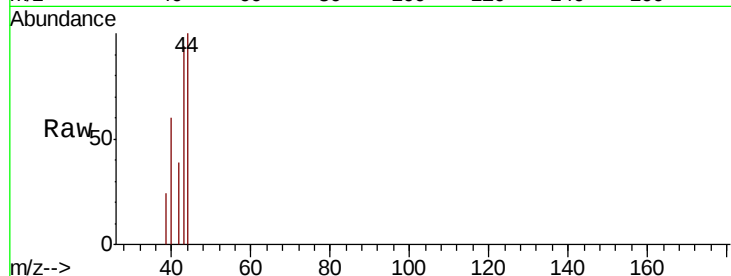




#18
Methyl Acetate
Concen: 1.283 ug/l
RT: 3.63 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD063217.D
Acq: 30 Jul 2019 1:18

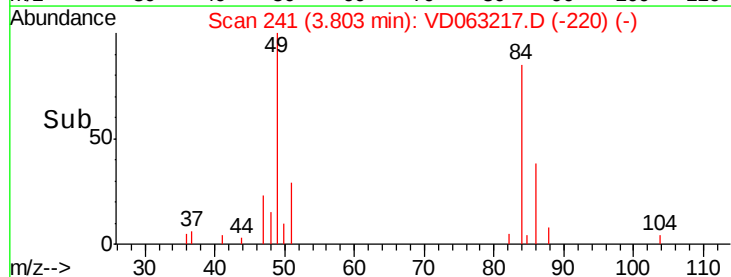
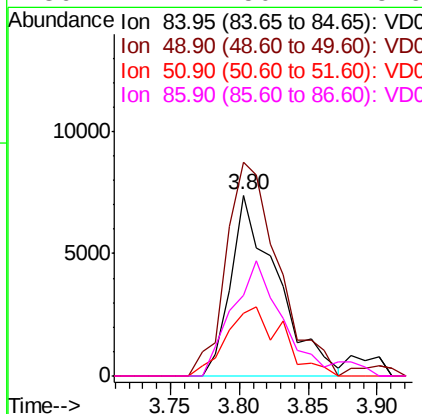
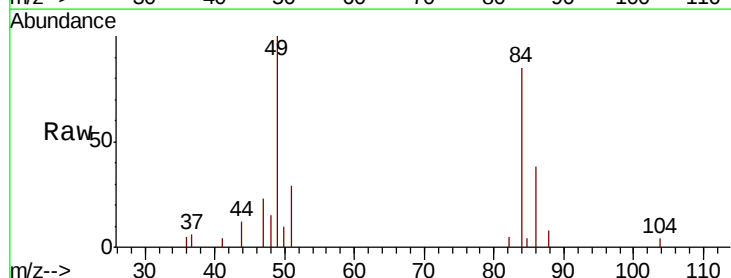
Instrument :
MSVOA_D
ClientSampled :
SP-4

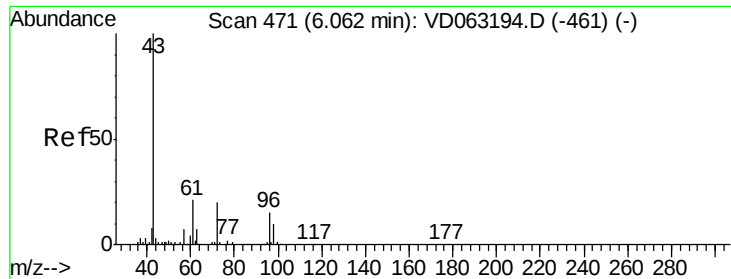
Tot Ion: 43 Resp: 3630
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.8#



#20
Methylene Chloride
Concen: 2.936 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.01 min
Lab File: VD063217.D
Acq: 30 Jul 2019 1:18

Tgt Ion: 84 Resp: 17475
Ion Ratio Lower Upper
84 100
49 118.1 112.5 168.7
51 34.7 29.6 44.4
86 44.7 50.4 75.6#





#25

2-Butanone

Concen: 7.769 ug/l

RT: 6.17 min Scan# 481

Delta R.T. 0.10 min

Lab File: VD063217.D

Acq: 30 Jul 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

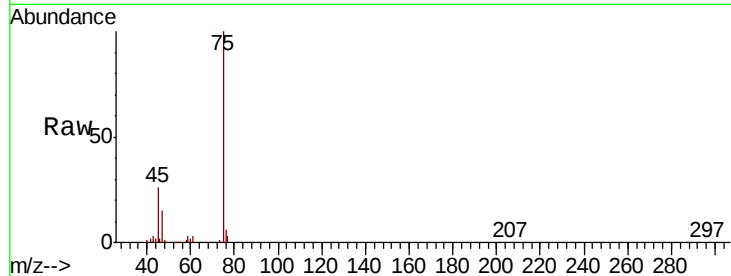
SP-4

Tot Ion: 43 Resp: 11480

Ion Ratio Lower Upper

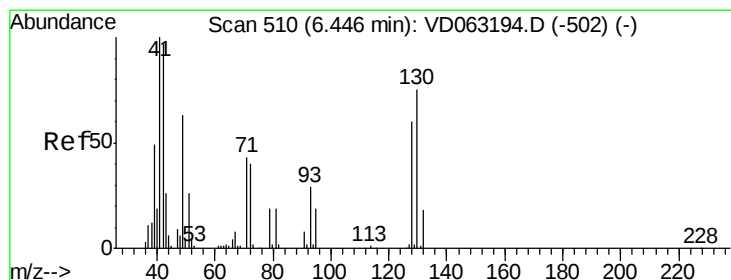
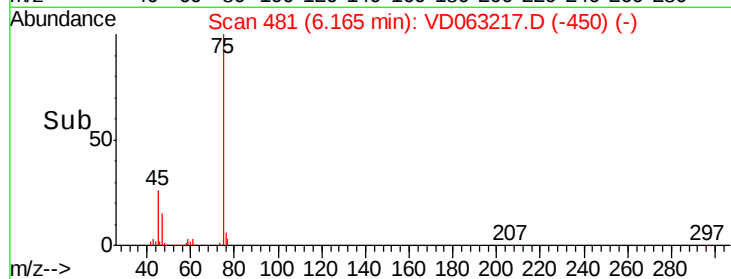
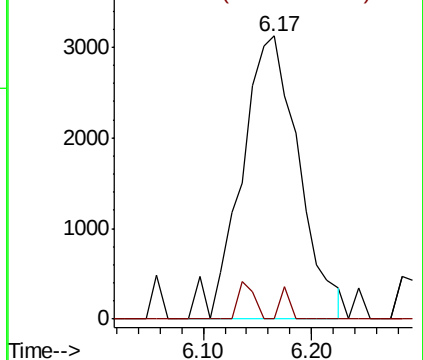
43 100

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: 2.659 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063217.D

Acq: 30 Jul 2019 1:18

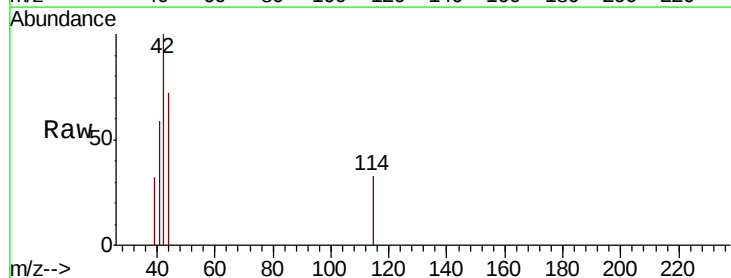
Tgt Ion: 42 Resp: 1860

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

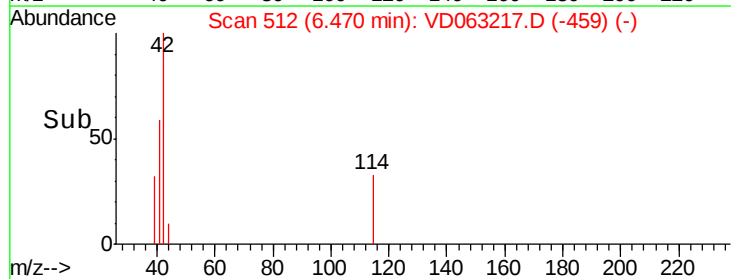
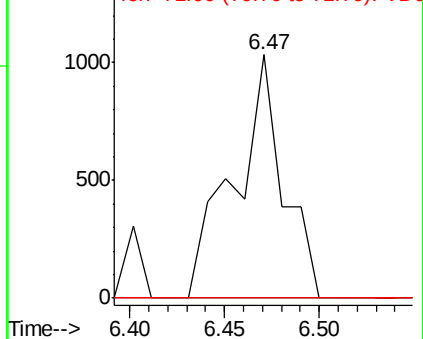
71 0.0 35.7 53.5#

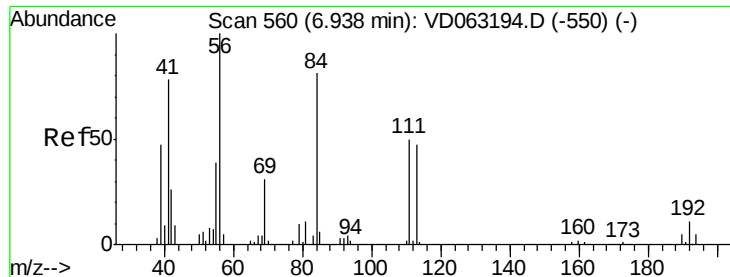


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

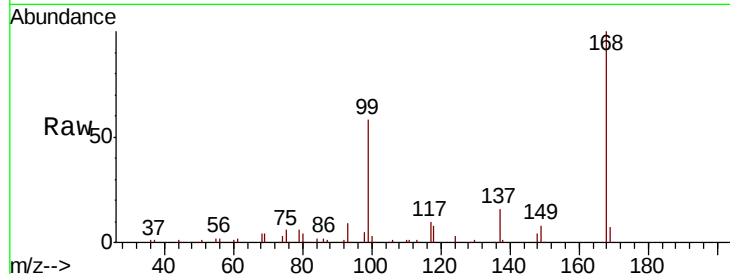




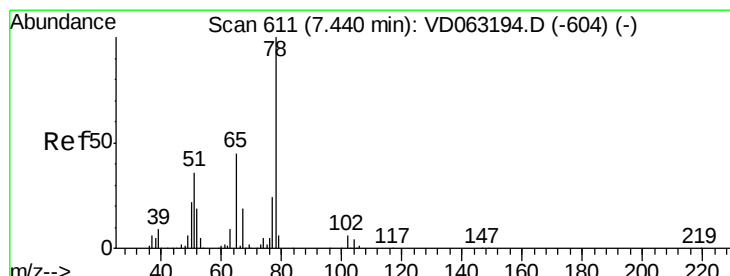
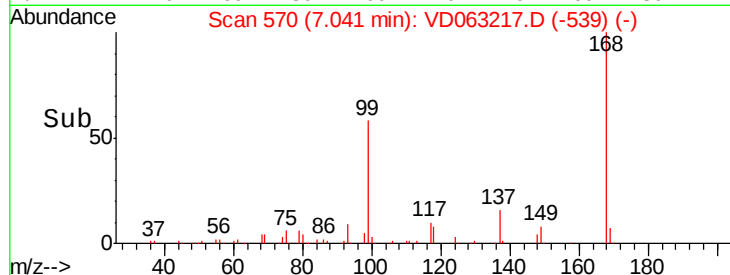
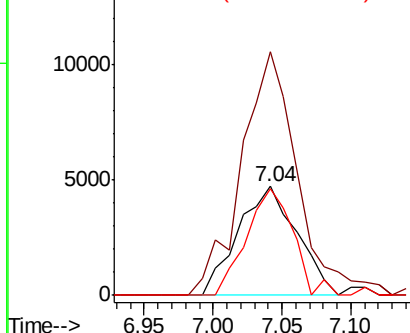
#31
Cyclohexane
Concen: 2.078 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063217.D
Acq: 30 Jul 2019 1:18

Instrument :
MSVOA_D
ClientSampleId :
SP-4

Tot Ion	56	69	84
Resp	13987		
Ratio	100	223.3	98.3
Lower		24.5	64.9
Upper		36.7#	97.3#

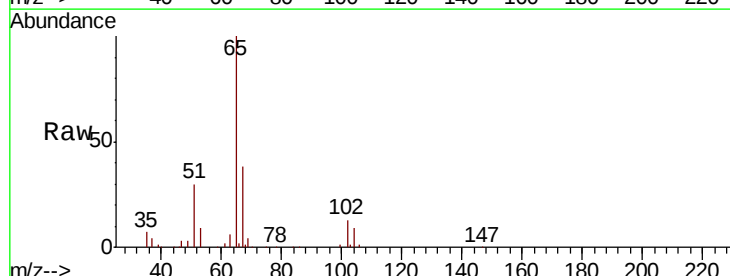


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

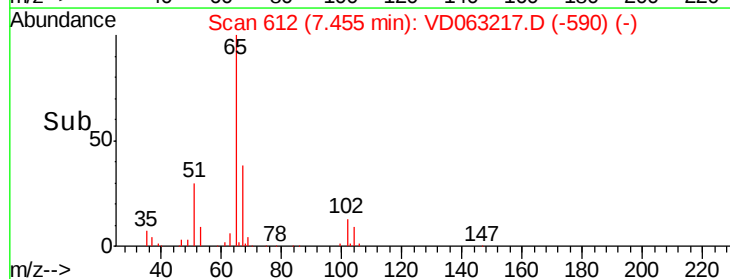
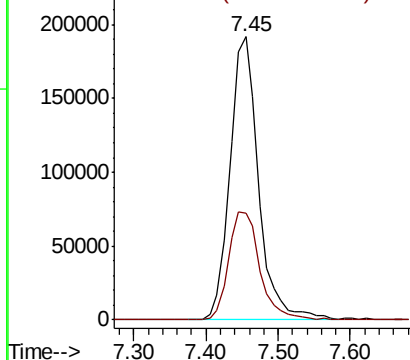


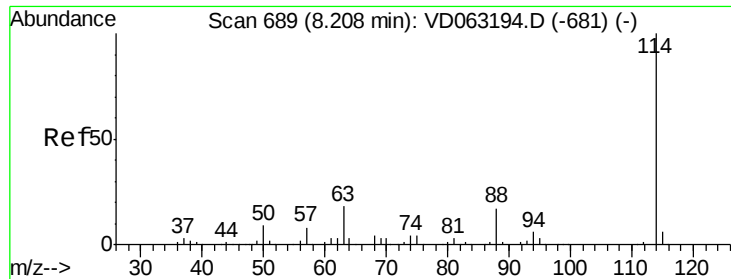
#33
1,2-Dichloroethane-d4
Concen: 70.035 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.02 min
Lab File: VD063217.D
Acq: 30 Jul 2019 1:18

Tgt Ion	65	67
Resp	529269	
Ratio	100	37.8
Lower		0.0
Upper		85.8



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

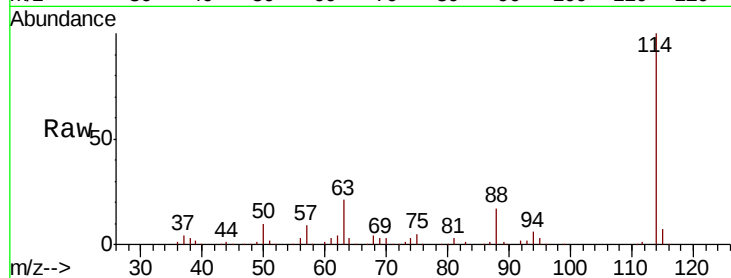




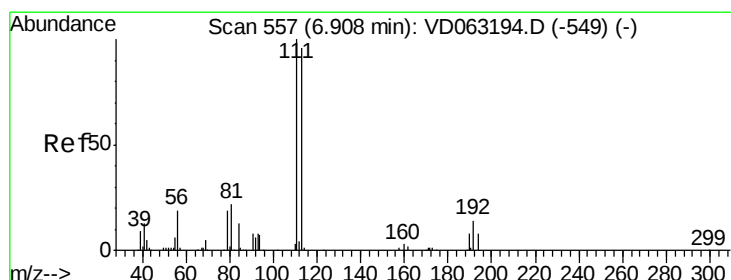
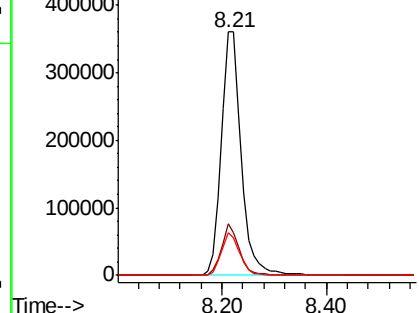
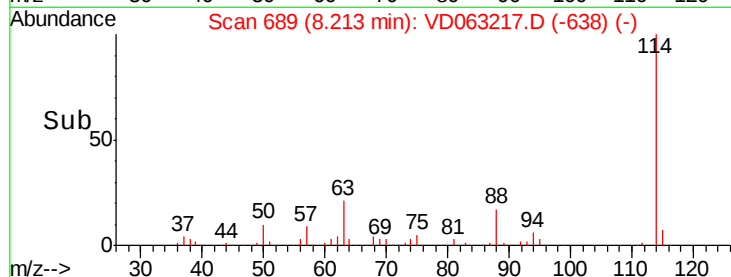
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063217.D
 Acq: 30 Jul 2019 1:18

Instrument :
 MSVOA_D
 ClientSampleId :
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Tot Ion:114 Resp: 954831
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 35.2
 88 17.4 0.0 34.6

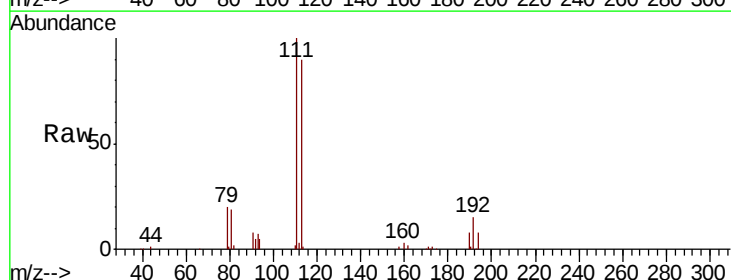


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

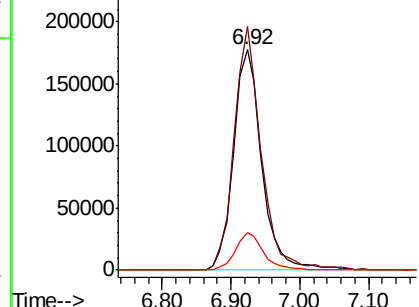
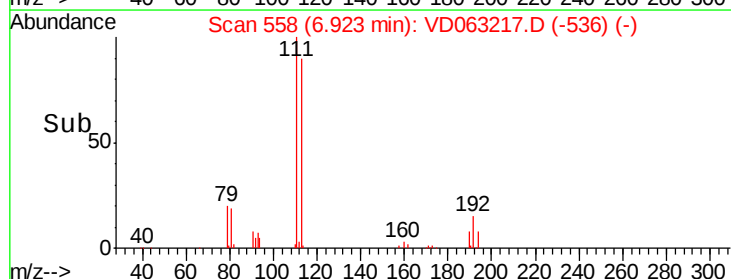


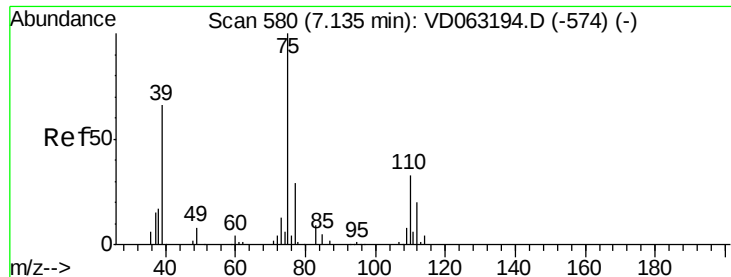
#35
 Dibromofluoromethane
 Concen: 61.899 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.02 min
 Lab File: VD063217.D
 Acq: 30 Jul 2019 1:18

Tgt Ion:113 Resp: 504613
 Ion Ratio Lower Upper
 113 100
 111 110.5 83.2 124.8
 192 16.8 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

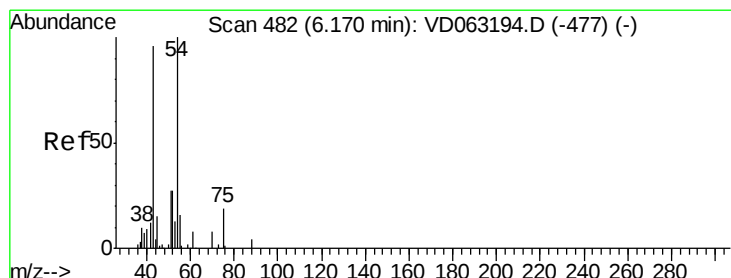
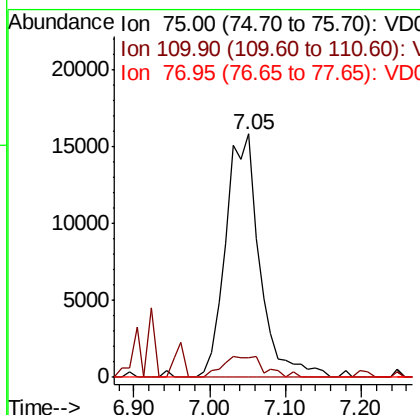
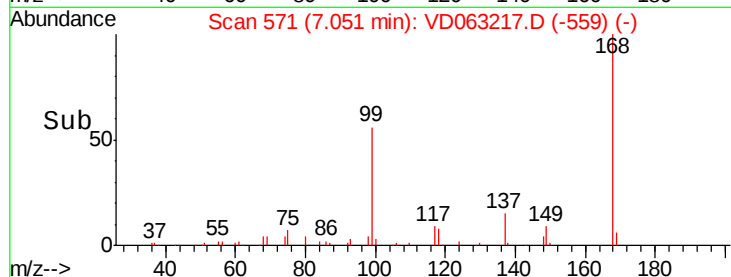
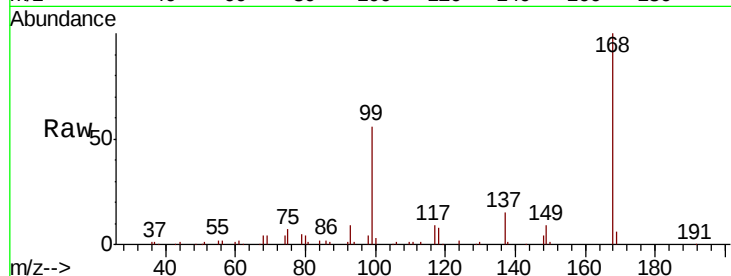




#36
 1,1-Dichloropropene
 Concen: 5.628 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD063217.D
 Acq: 30 Jul 2019 1:18

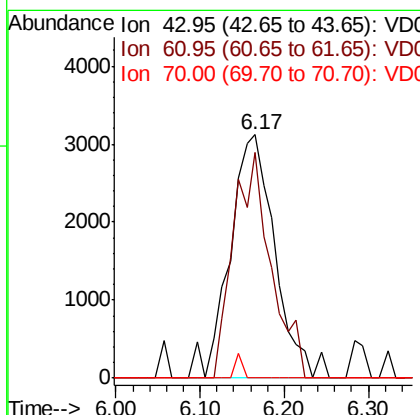
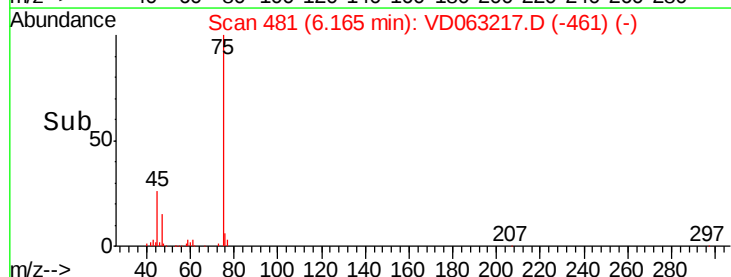
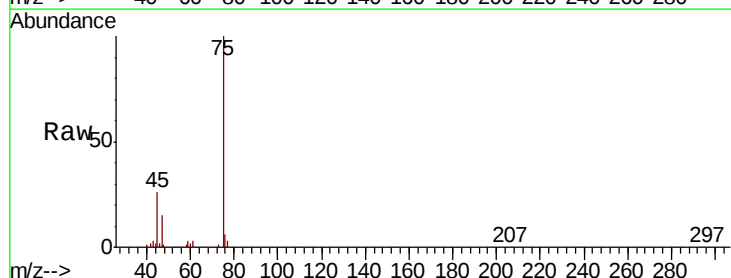
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-4

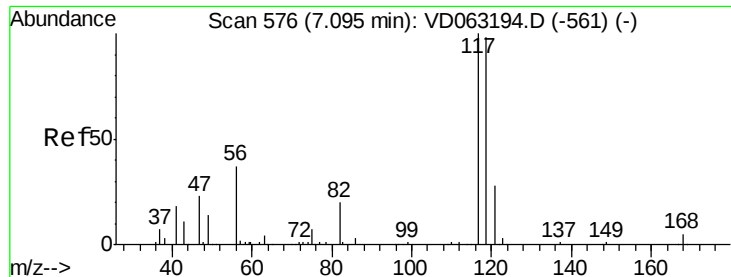
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.1	48.2#
77	0.0	22.7	34.1#



#37
 Ethyl Acetate
 Concen: 2.983 ug/l
 RT: 6.17 min Scan# 481
 Delta R.T. -0.00 min
 Lab File: VD063217.D
 Acq: 30 Jul 2019 1:18

Tgt Ion	Ratio	Lower	Upper
43	100		
61	92.5	11.3	16.9#
70	0.0	5.1	7.7#

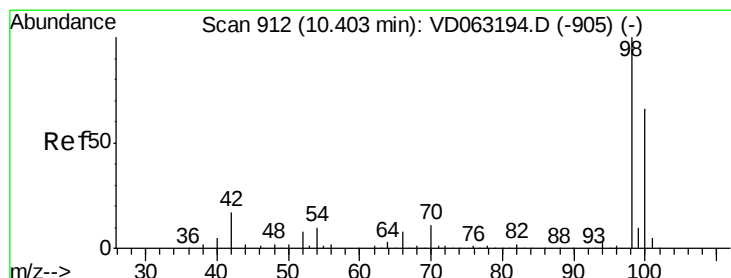
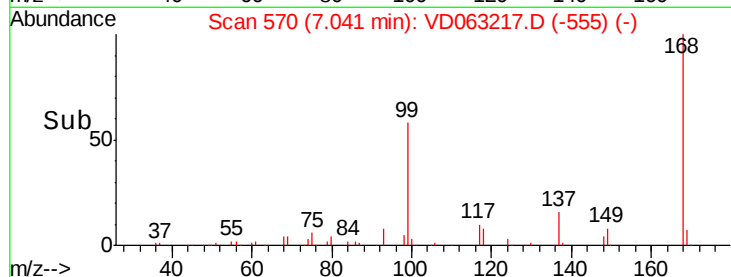
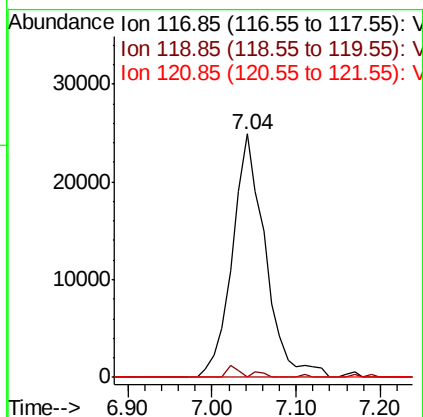
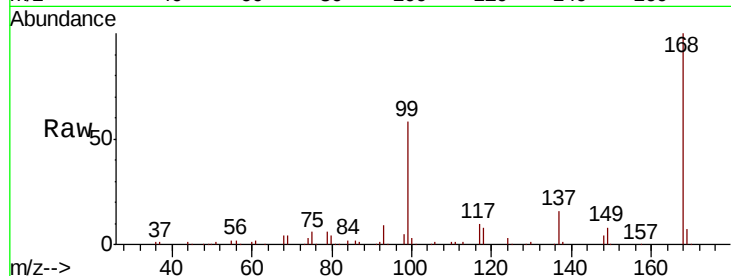




#38
Carbon Tetrachloride
Concen: 5.171 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.05 min
Lab File: VD063217.D
Acq: 30 Jul 2019 1:18

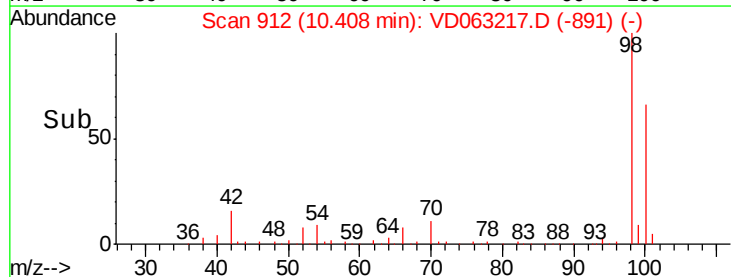
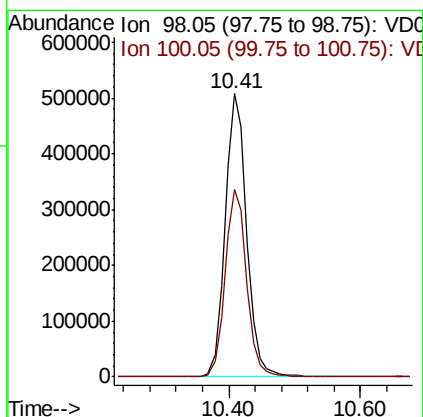
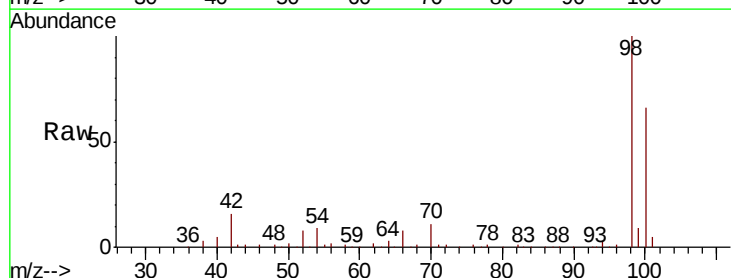
Instrument :
MSVOA_D
ClientSampleId :
SP-4

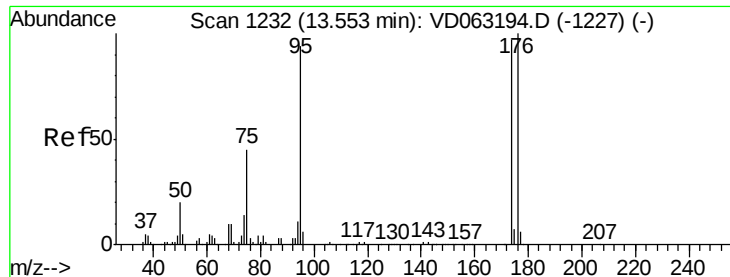
Tot Ion:117 Resp: 67835
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 22.1 33.1#



#50
Toluene-d8
Concen: 63.371 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD063217.D
Acq: 30 Jul 2019 1:18

Tgt Ion: 98 Resp: 1156186
Ion Ratio Lower Upper
98 100
100 66.3 53.2 79.8





#62

4-Bromofluorobenzene

Concen: 46.240 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD063217.D

Acq: 30 Jul 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

SP-4

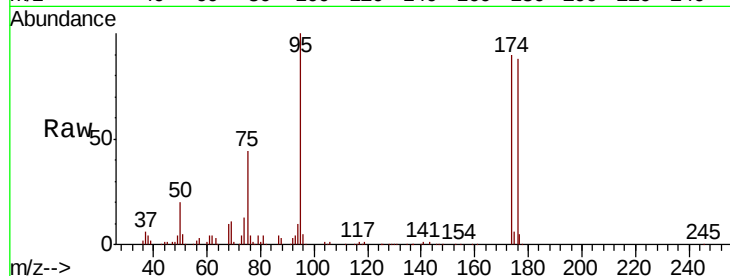
Tot Ion: 95 Resp: 384439

Ion Ratio Lower Upper

95 100

174 90.4 0.0 205.4

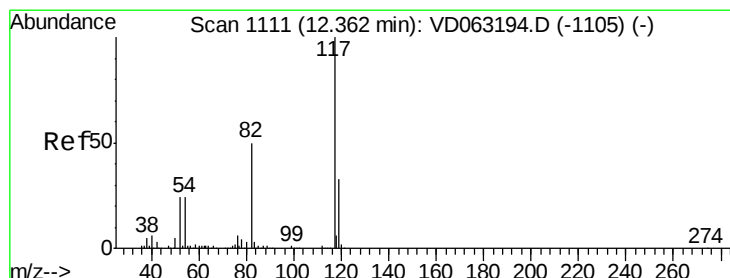
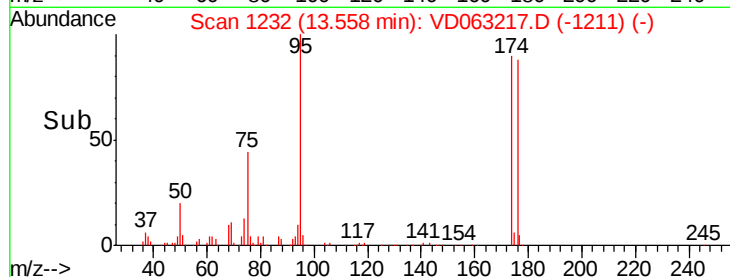
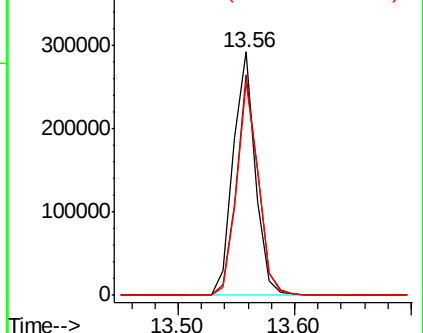
176 87.6 0.0 211.8



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: VD063217.D

Acq: 30 Jul 2019 1:18

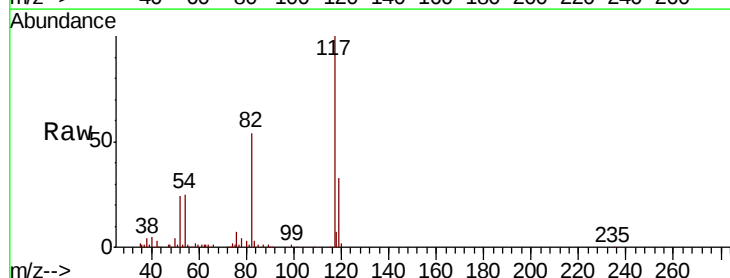
Tgt Ion: 117 Resp: 632023

Ion Ratio Lower Upper

117 100

82 53.9 40.1 60.1

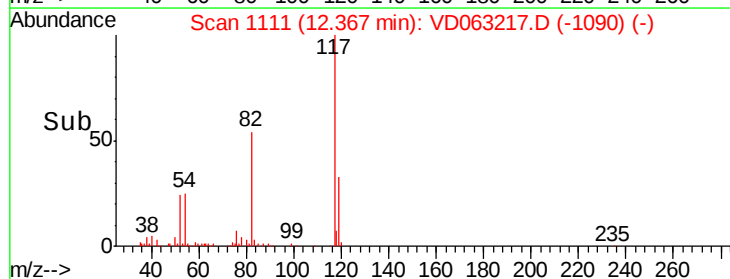
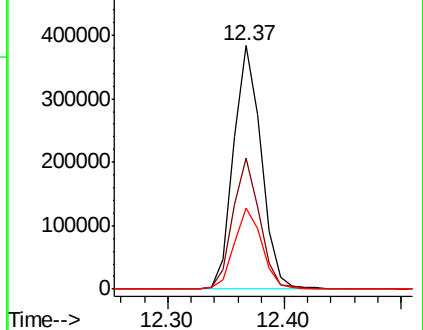
119 33.4 26.5 39.7

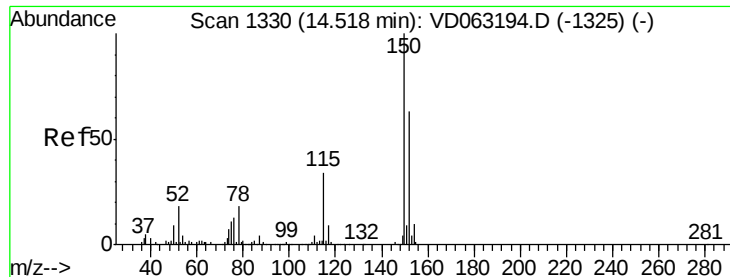


Abundance Ion 116.95 (116.65 to 117.65): V

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. 0.01 min

Lab File: VD063217.D

Acq: 30 Jul 2019 1:18

Instrument :

MSVOA_D

ClientSampleId :

SP-4

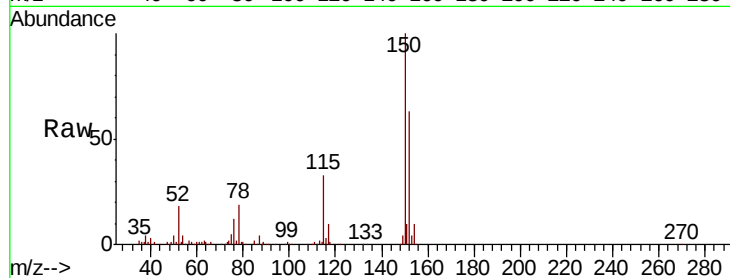
Tot Ion:152 Resp: 244591

Ion Ratio Lower Upper

152 100

115 52.0 27.5 82.4

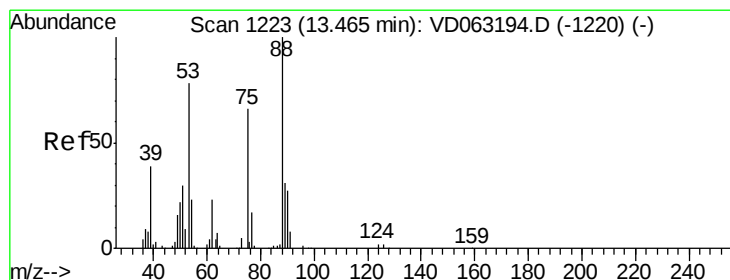
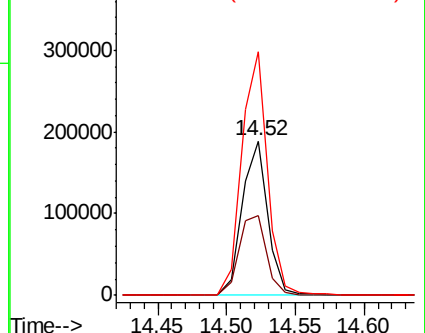
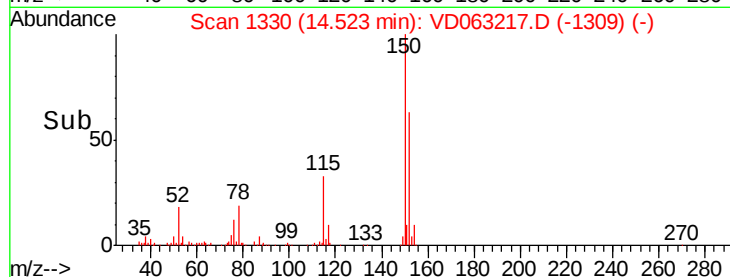
150 157.7 0.0 320.6



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: 217.063 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063217.D

Acq: 30 Jul 2019 1:18

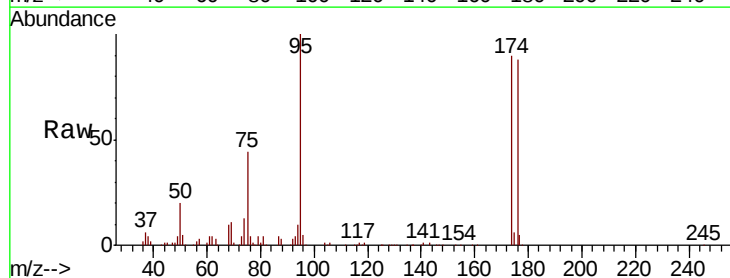
Tgt Ion: 75 Resp: 177076

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

