

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063221.D
 Acq On : 30 Jul 2019 3:06
 Operator : VA/AP
 Sample : K4049-08
 Misc : 4.46g/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-8

Quant Time: Jul 30 04:04:42 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	595328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	774335	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	567448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	197442	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	476103	72.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.14%	
35) Dibromofluoromethane	6.91	113	522153	78.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	157.96%	
50) Toluene-d8	10.41	98	941982	63.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.34%	
62) 4-Bromofluorobenzene	13.55	95	335161	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds

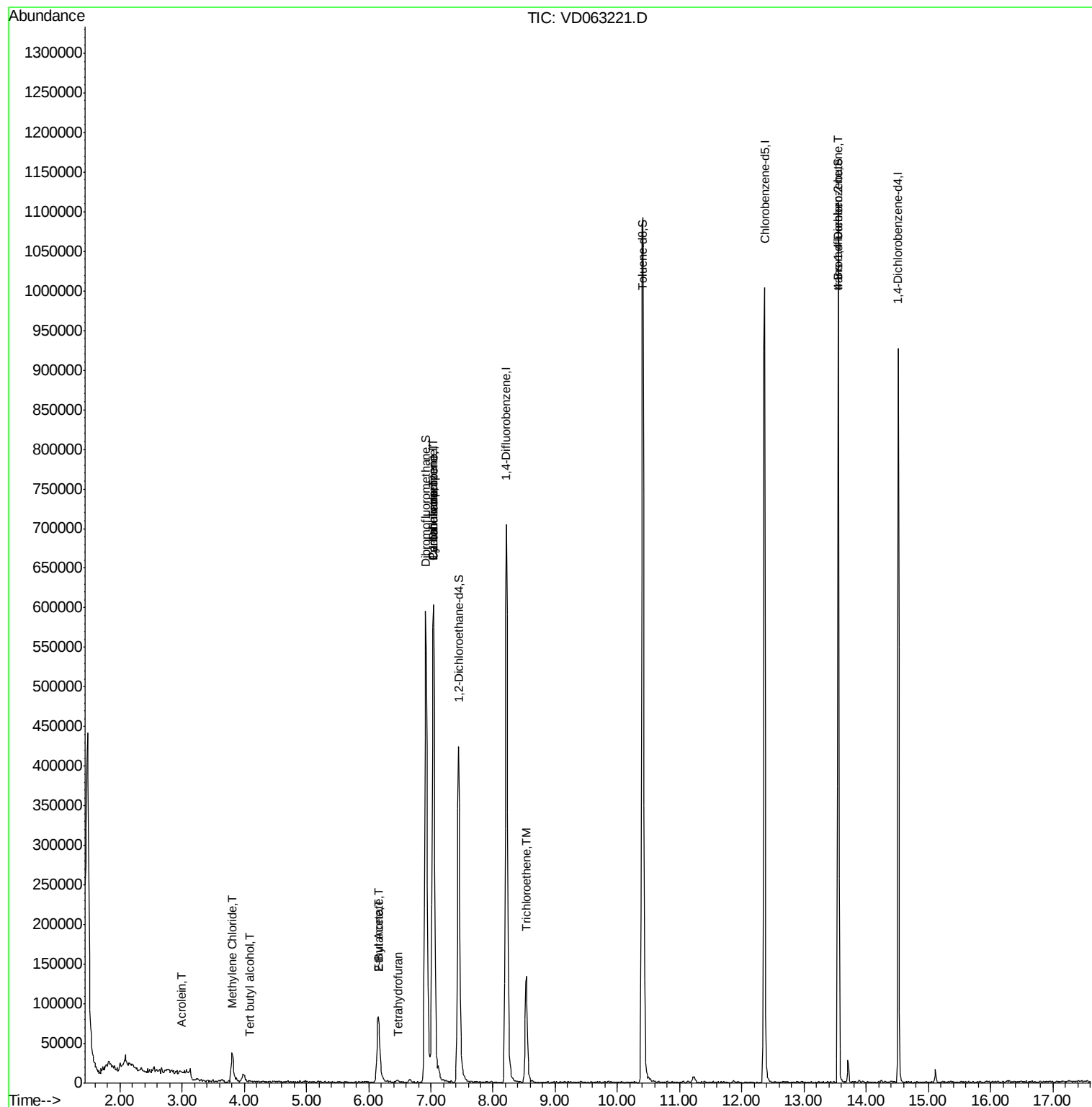
						Qvalue
11) Tert butyl alcohol	4.09	59	1356	4.678	ug/l #	69
13) Acrolein	3.00	56	461	1.652	ug/l #	15
20) Methylene Chloride	3.80	84	22078	4.244	ug/l #	84
25) 2-Butanone	6.15	43	6080	4.707	ug/l	96
29) Tetrahydrofuran	6.47	42	1772	2.898	ug/l #	53
31) Cyclohexane	7.03	56	13415	2.280	ug/l #	2
36) 1,1-Dichloropropene	7.03	75	48170	6.816	ug/l #	54
37) Ethyl Acetate	6.15	43	6080	1.915	ug/l #	1
38) Carbon Tetrachloride	7.04	117	60570	5.693	ug/l #	15
44) Trichloroethene	8.54	130	58113	9.683	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.55	75	157822	239.659	ug/l #	3

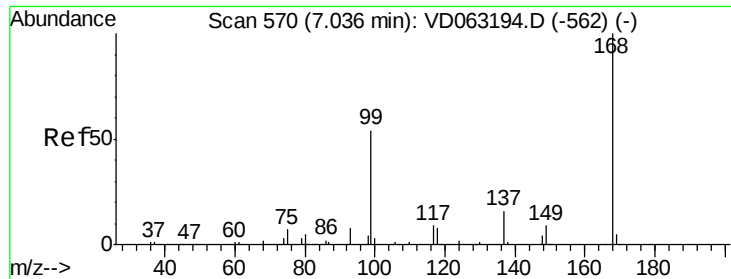
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

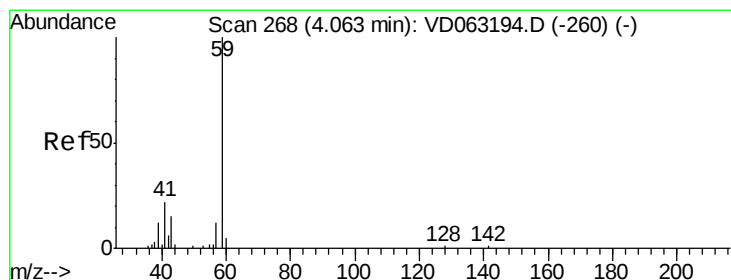
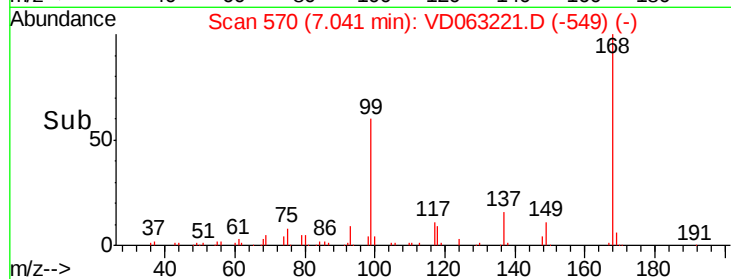
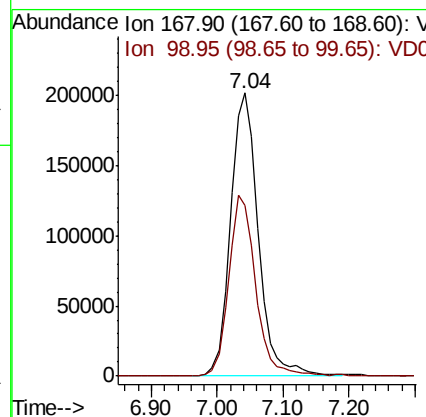
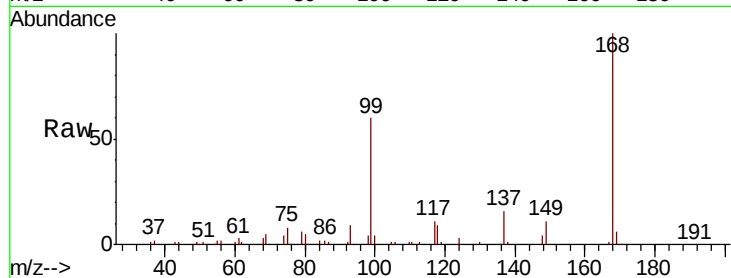




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.01 min
Lab File: VD063221.D
Acq: 30 Jul 2019 3:06

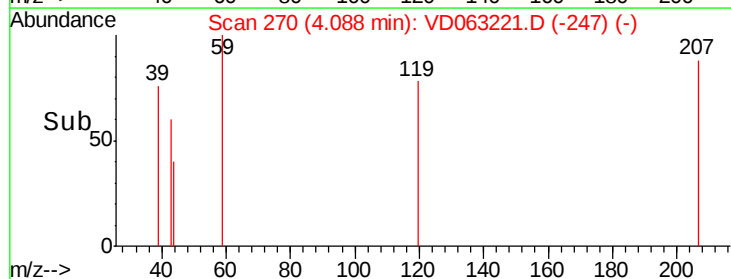
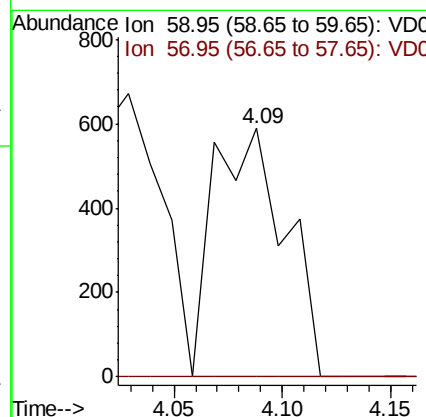
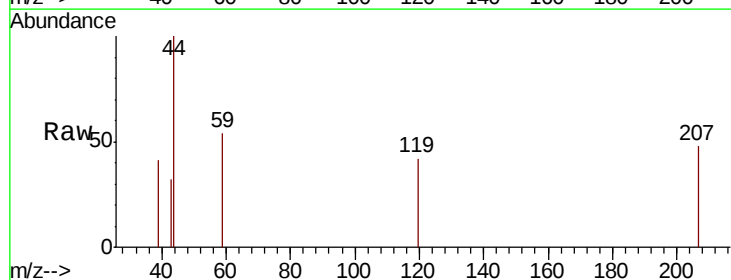
Instrument :
MSVOA_D
ClientSampleId :
SP-8

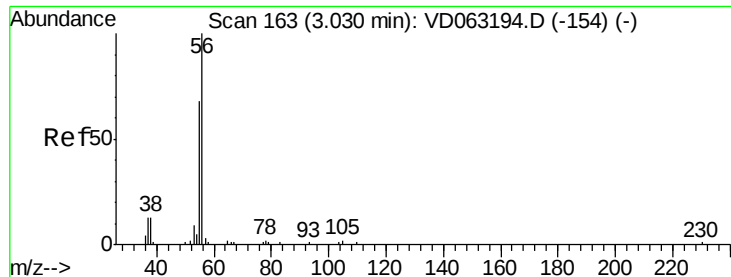
Tot Ion:168 Resp: 595328
Ion Ratio Lower Upper
168 100
99 60.4 43.7 65.5



#11
Tert butyl alcohol
Concen: 4.678 ug/l
RT: 4.09 min Scan# 270
Delta R.T. 0.03 min
Lab File: VD063221.D
Acq: 30 Jul 2019 3:06

Tgt Ion: 59 Resp: 1356
Ion Ratio Lower Upper
59 100
57 0.0 9.6 14.4#





#13

Acrolein

Concen: 1.652 ug/l

RT: 3.00 min Scan# 159

Delta R.T. -0.03 min

Lab File: VD063221.D

Acq: 30 Jul 2019 3:06

Instrument :

MSVOA_D

ClientSampleId :

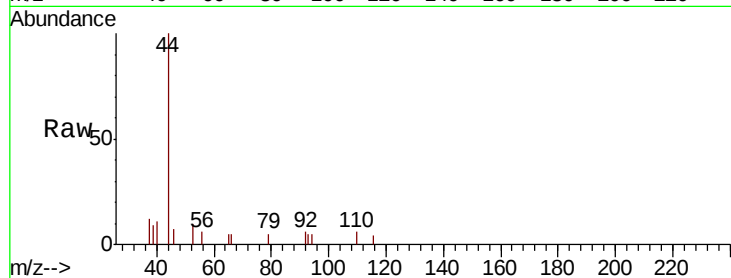
SP-8

Tot Ion: 56 Resp: 461

Ion Ratio Lower Upper

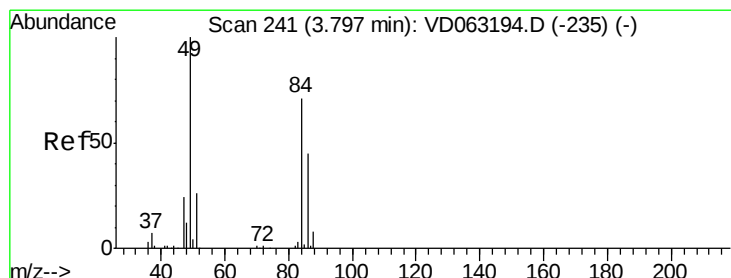
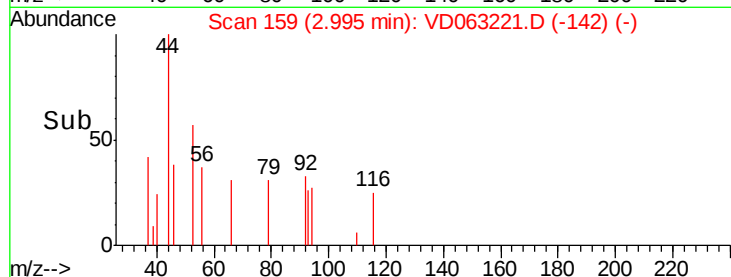
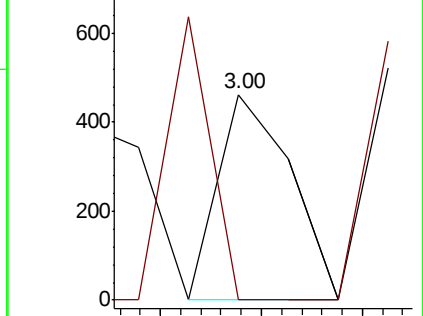
56 100

55 0.0 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: 4.244 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.01 min

Lab File: VD063221.D

Acq: 30 Jul 2019 3:06

Tgt Ion: 84 Resp: 22078

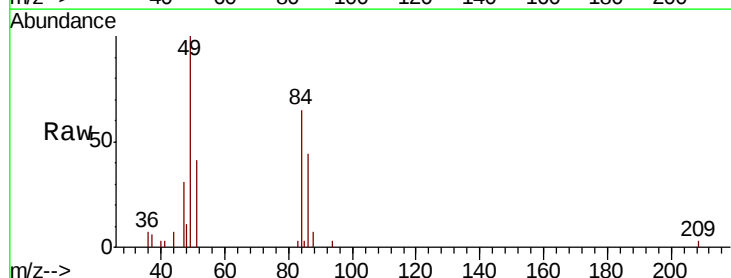
Ion Ratio Lower Upper

84 100

49 155.0 112.5 168.7

51 63.1 29.6 44.4#

86 68.7 50.4 75.6

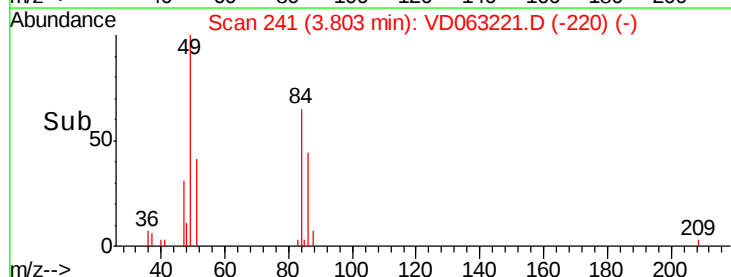
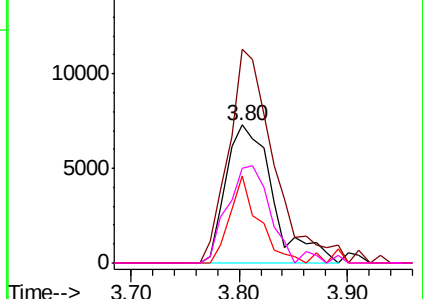


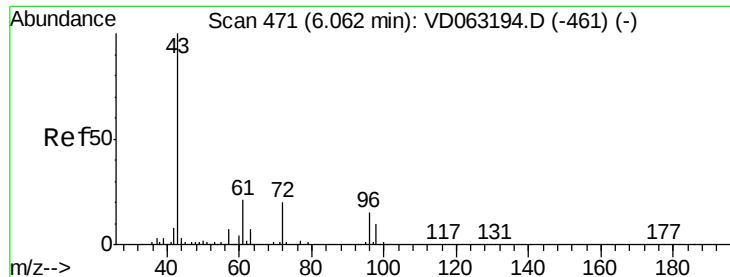
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 4.707 ug/l

RT: 6.15 min Scan# 479

Delta R.T. 0.08 min

Lab File: VD063221.D

Acq: 30 Jul 2019 3:06

Instrument :

MSVOA_D

ClientSampled :

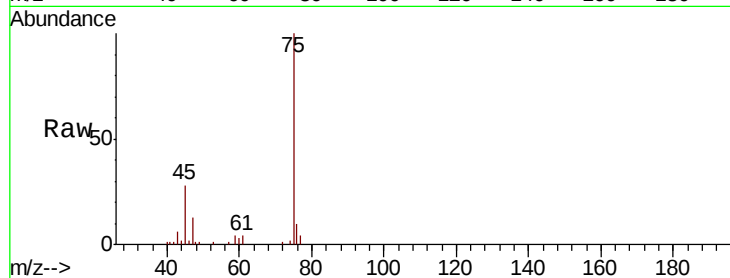
SP-8

Tot Ion: 43 Resp: 6080

Ion Ratio Lower Upper

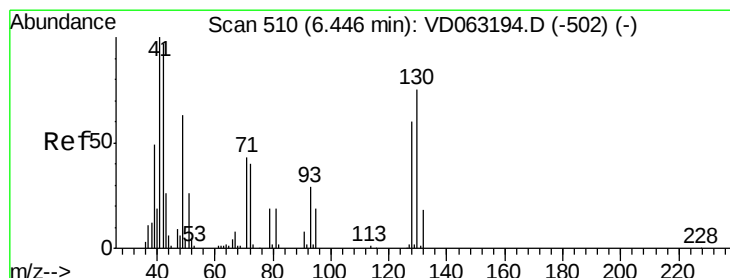
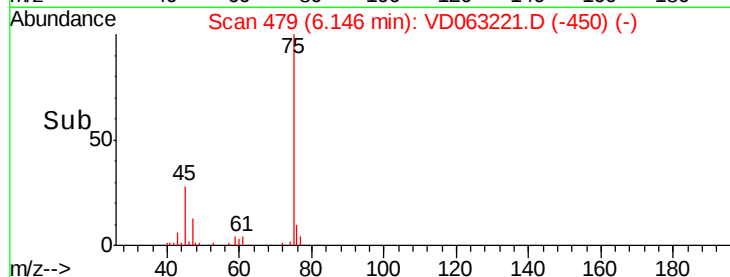
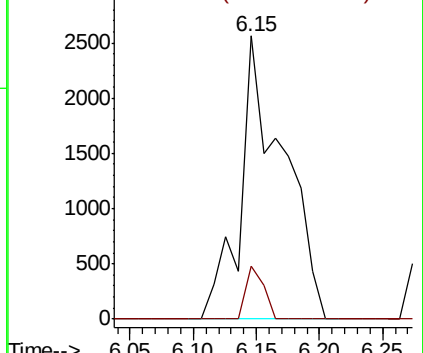
43 100

72 18.5 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: 2.898 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.03 min

Lab File: VD063221.D

Acq: 30 Jul 2019 3:06

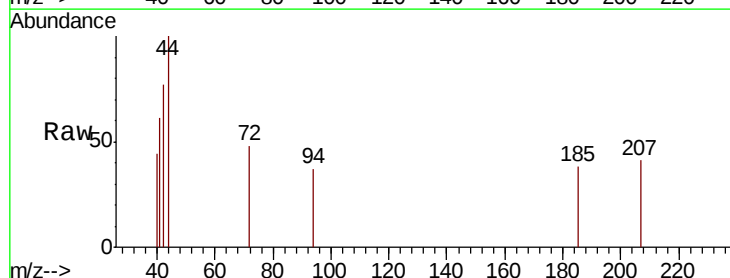
Tgt Ion: 42 Resp: 1772

Ion Ratio Lower Upper

42 100

72 26.3 33.4 50.2#

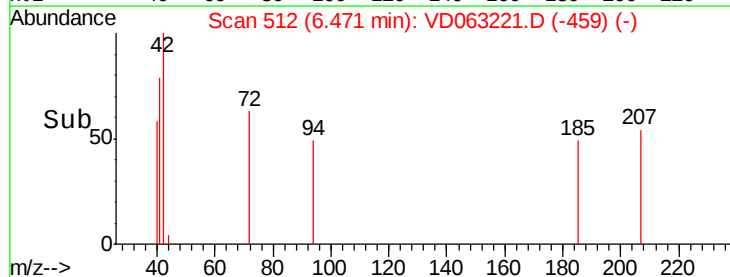
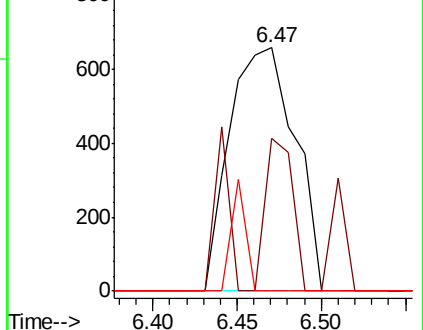
71 0.0 35.7 53.5#

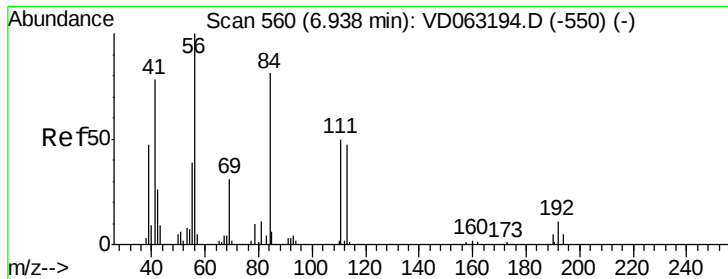


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

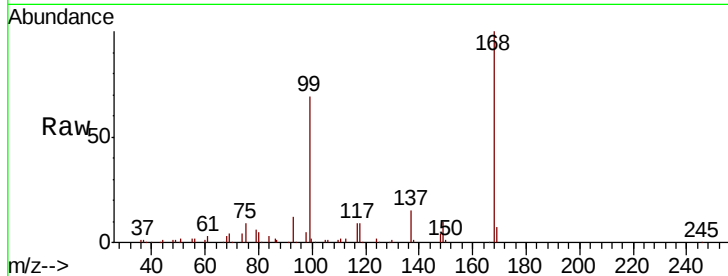




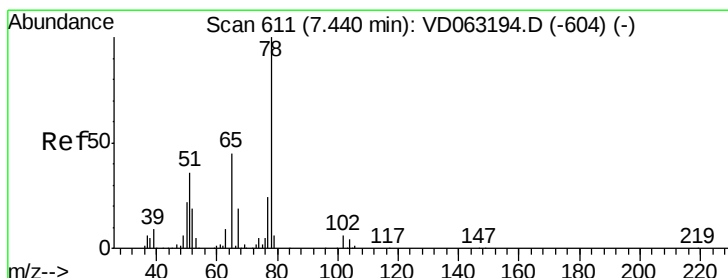
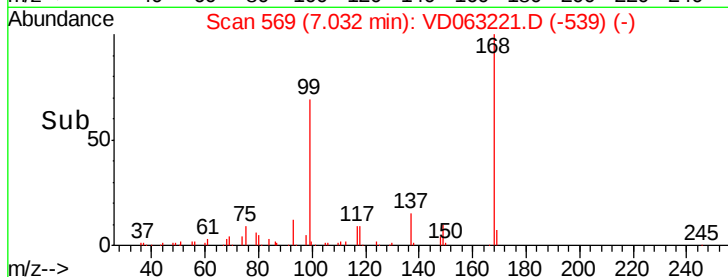
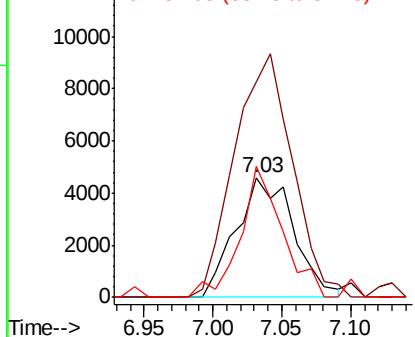
#31
Cyclohexane
Concen: 2.280 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD063221.D
Acq: 30 Jul 2019 3:06

Instrument :
MSVOA_D
ClientSampleID :
SP-8

Tot Ion: 56 Resp: 13415
Ion Ratio Lower Upper
56 100
69 179.9 24.5 36.7#
84 109.6 64.9 97.3#

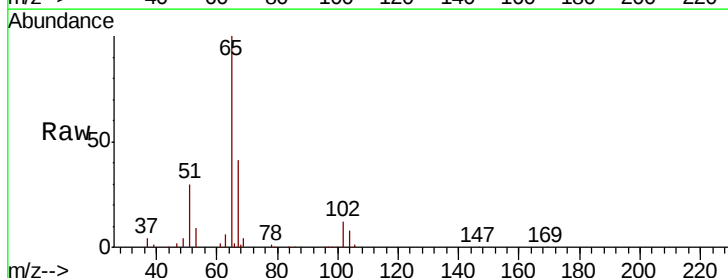


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

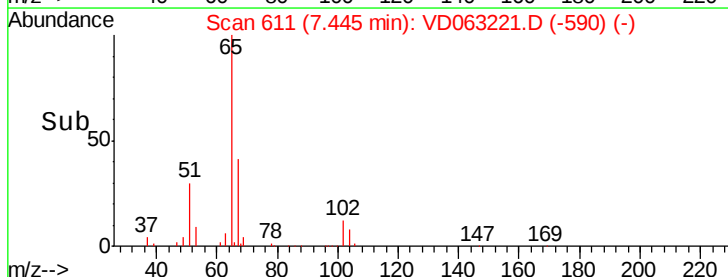
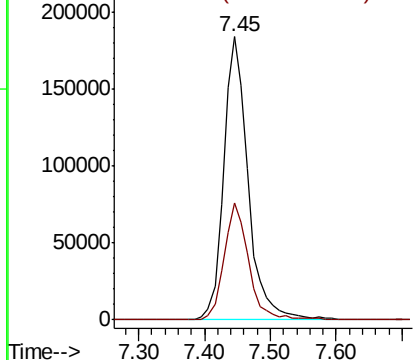


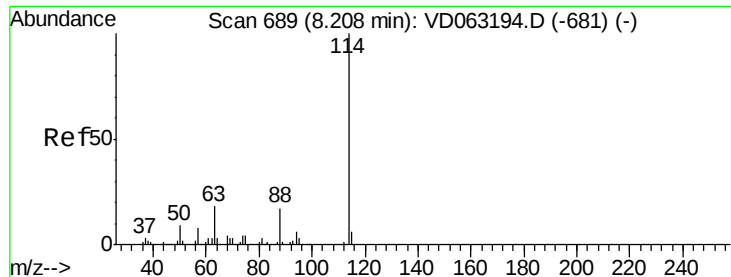
#33
1,2-Dichloroethane-d4
Concen: 72.074 ug/l
RT: 7.45 min Scan# 611
Delta R.T. 0.01 min
Lab File: VD063221.D
Acq: 30 Jul 2019 3:06

Tgt Ion: 65 Resp: 476103
Ion Ratio Lower Upper
65 100
67 41.1 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. 0.01 min

Lab File: VD063221.D

Acq: 30 Jul 2019 3:06

Instrument :

MSVOA_D

ClientSampleId :

SP-8

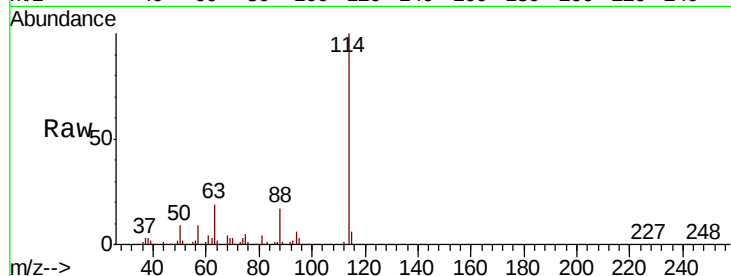
Tot Ion:114 Resp: 774335

Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.2

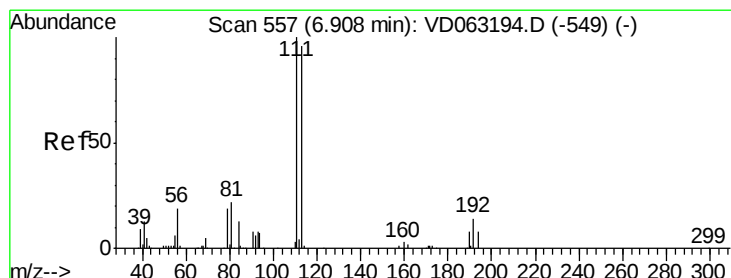
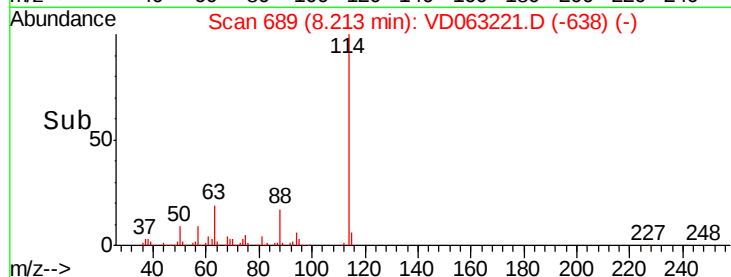
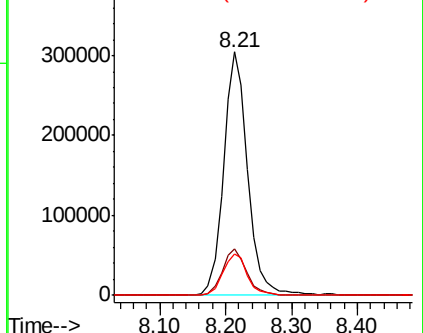
88 17.1 0.0 34.6



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: 78.980 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD063221.D

Acq: 30 Jul 2019 3:06

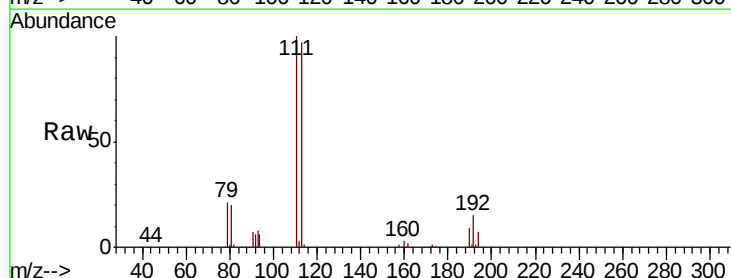
Tgt Ion:113 Resp: 522153

Ion Ratio Lower Upper

113 100

111 103.6 83.2 124.8

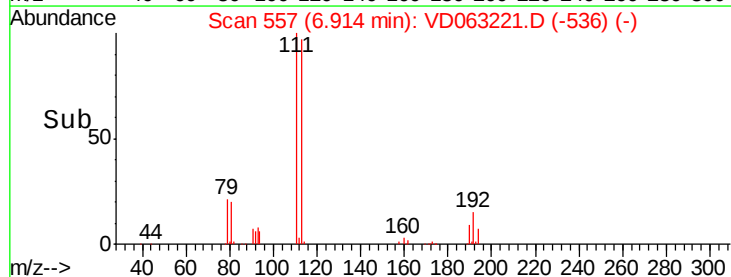
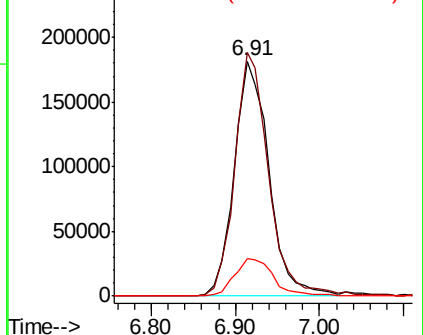
192 16.0 11.8 17.8

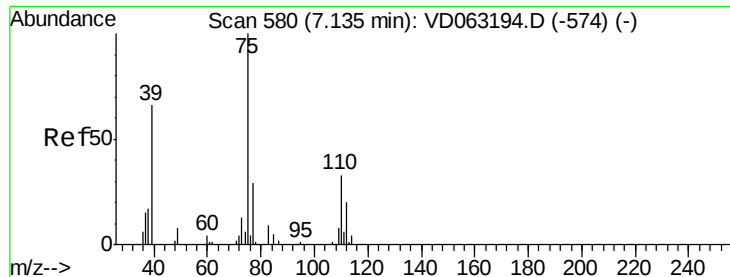


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.816 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063221.D

Acq: 30 Jul 2019 3:06

Instrument :

MSVOA_D

ClientSampled :

SP-8

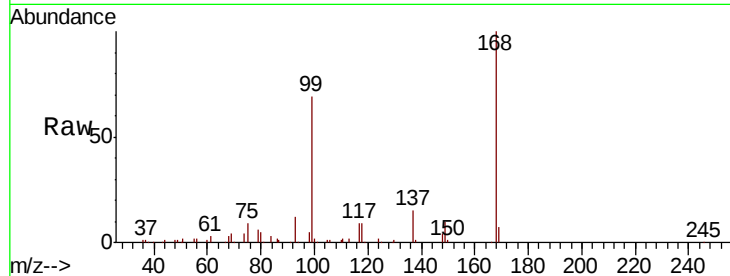
Tot Ion: 75 Resp: 48170

Ion Ratio Lower Upper

75 100

110 10.1 16.1 48.2#

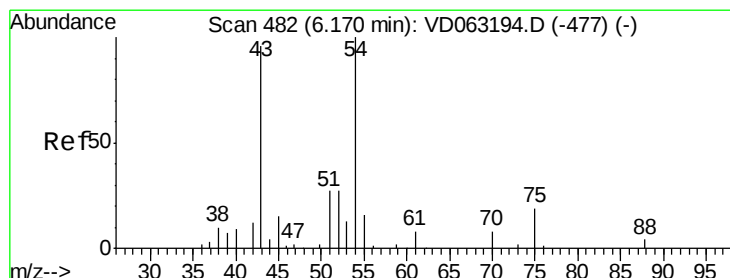
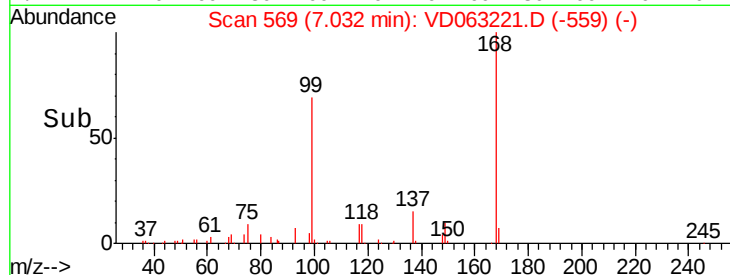
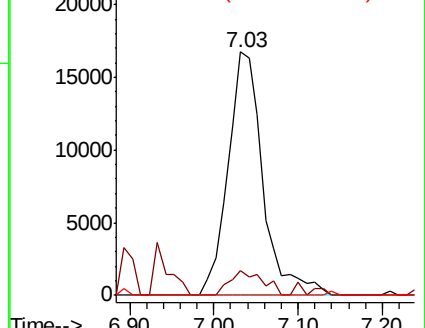
77 0.0 22.7 34.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.915 ug/l

RT: 6.15 min Scan# 479

Delta R.T. -0.02 min

Lab File: VD063221.D

Acq: 30 Jul 2019 3:06

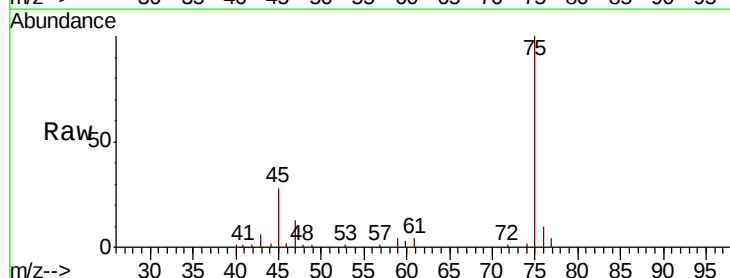
Tgt Ion: 43 Resp: 6080

Ion Ratio Lower Upper

43 100

61 69.1 11.3 16.9#

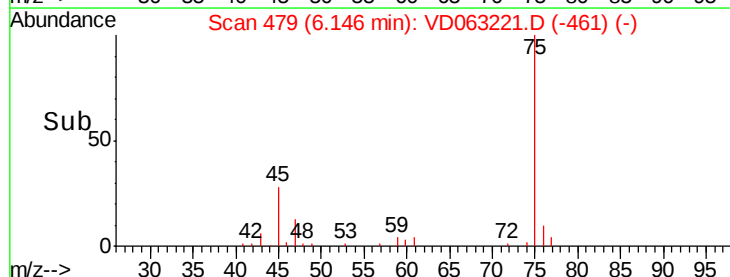
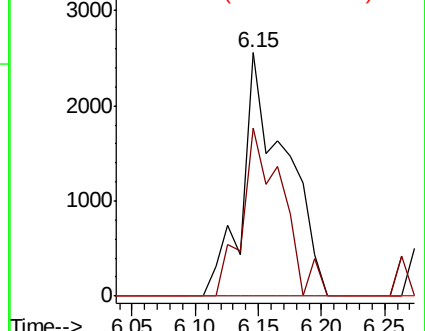
70 0.0 5.1 7.7#

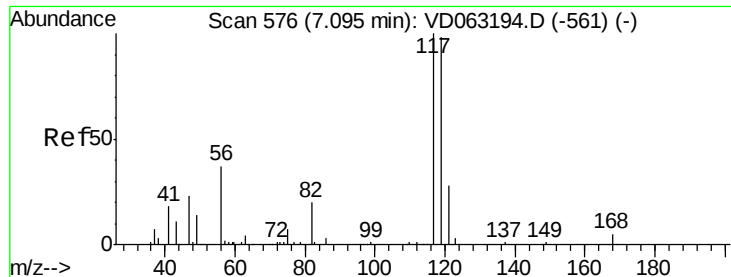


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.693 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD063221.D

Acq: 30 Jul 2019 3:06

Instrument :

MSVOA_D

ClientSampleId :

SP-8

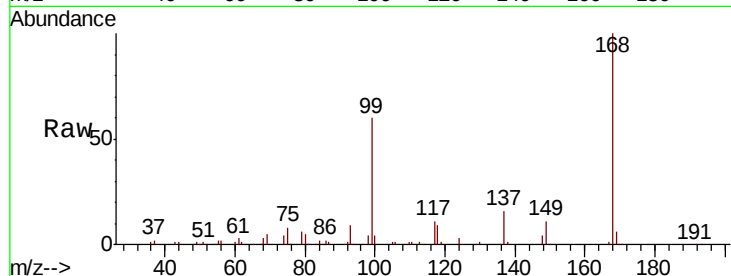
Tot Ion:117 Resp: 60570

Ion Ratio Lower Upper

117 100

119 4.7 78.2 117.2#

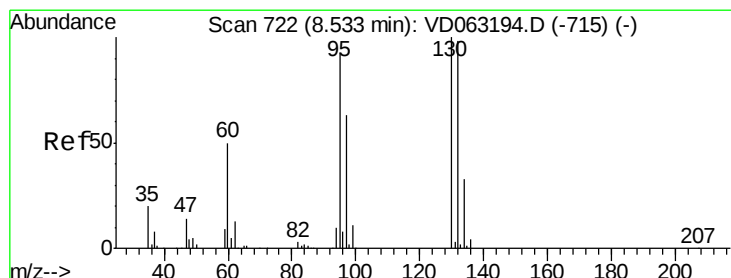
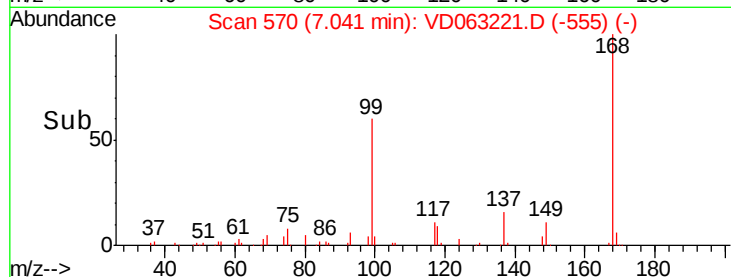
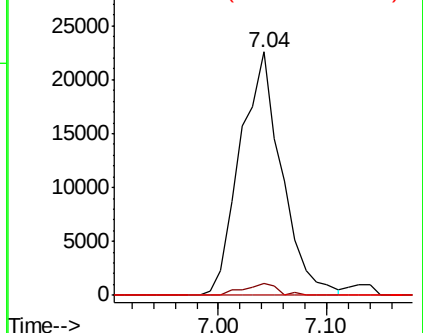
121 0.0 22.1 33.1#



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



#44

Trichloroethene

Concen: 9.683 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD063221.D

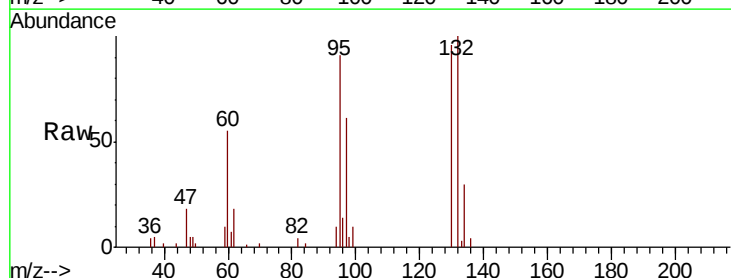
Acq: 30 Jul 2019 3:06

Tgt Ion:130 Resp: 58113

Ion Ratio Lower Upper

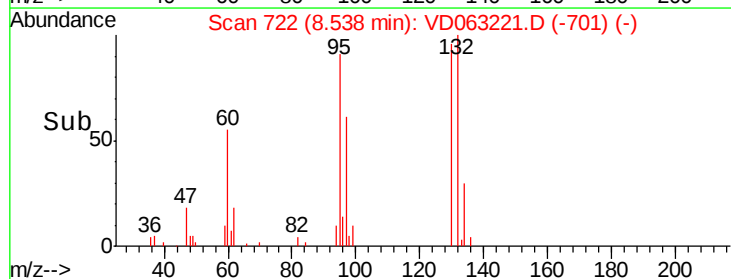
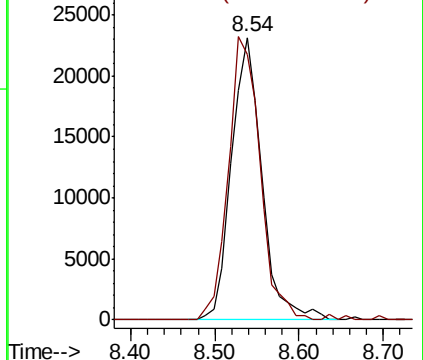
130 100

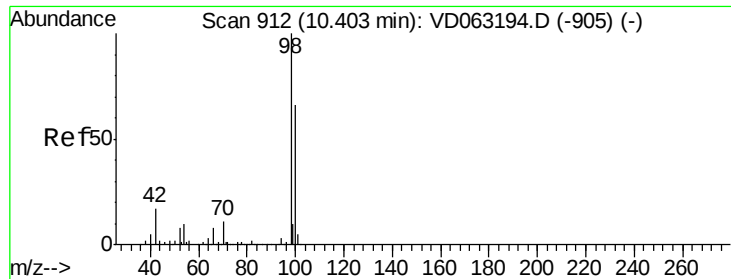
95 94.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

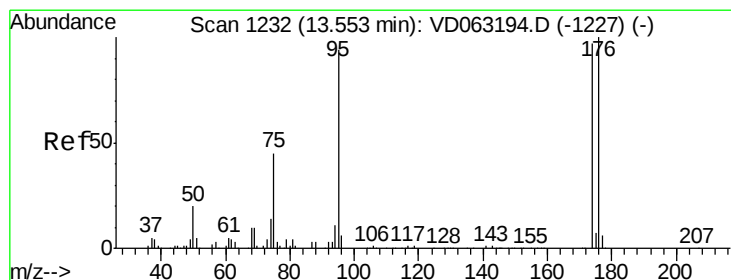
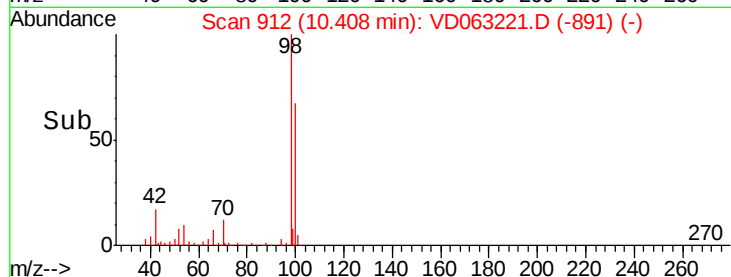
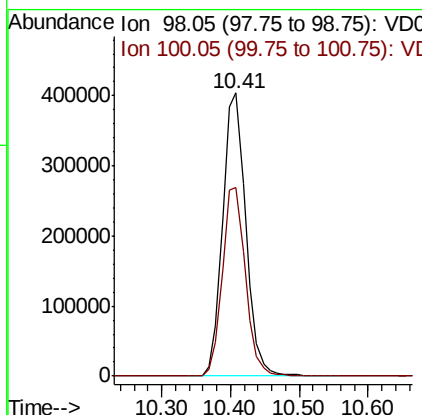
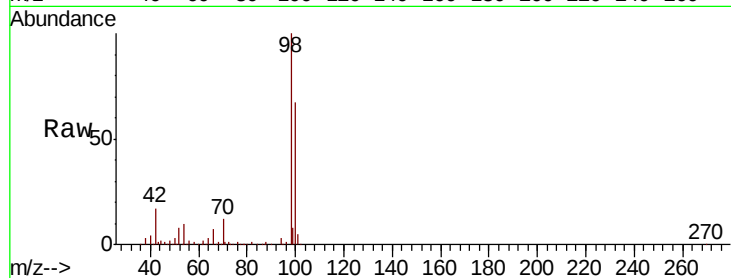




#50
Toluene-d8
Concen: 63.666 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD063221.D
Acq: 30 Jul 2019 3:06

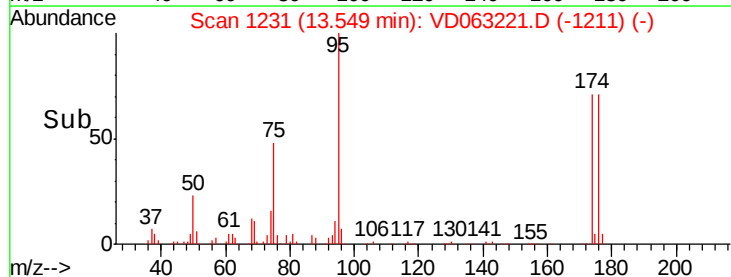
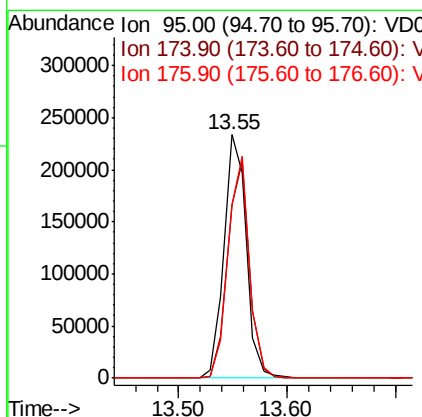
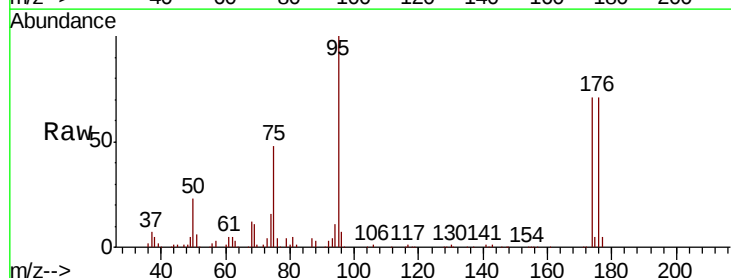
Instrument :
MSVOA_D
ClientSampleId :
SP-8

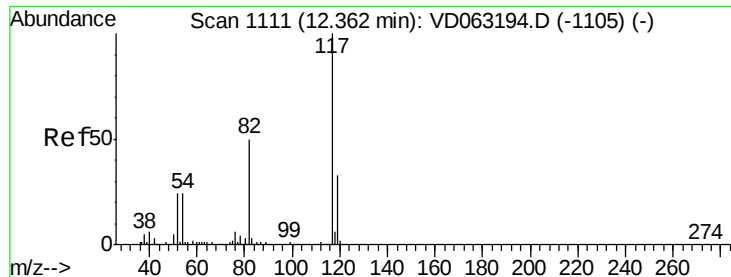
Tot Ion: 98 Resp: 941982
Ion Ratio Lower Upper
98 100
100 66.7 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 49.710 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD063221.D
Acq: 30 Jul 2019 3:06

Tgt Ion: 95 Resp: 335161
Ion Ratio Lower Upper
95 100
174 71.2 0.0 205.4
176 71.3 0.0 211.8

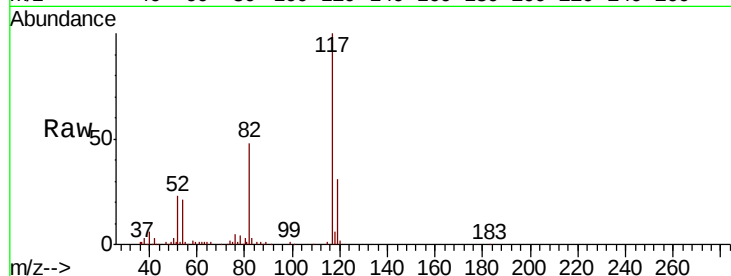




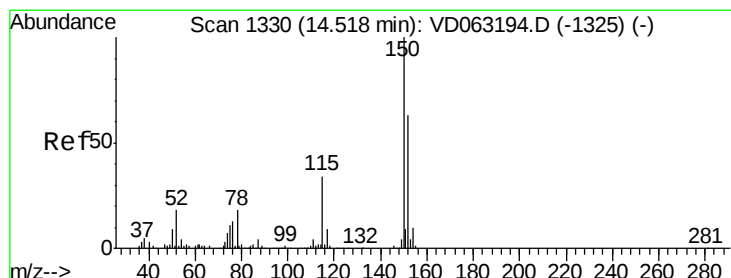
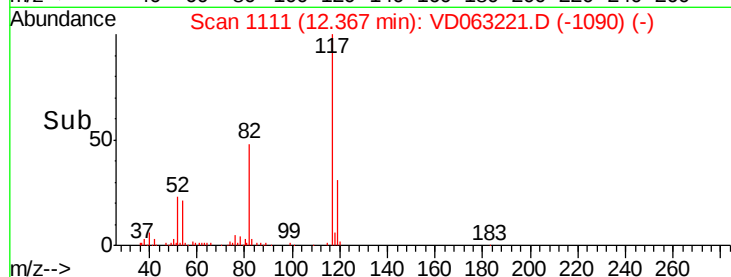
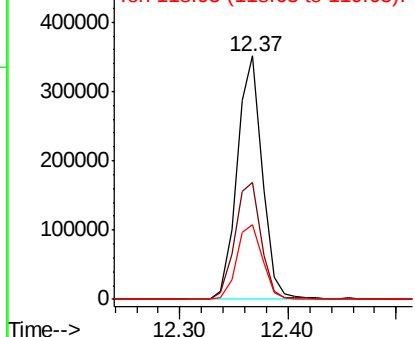
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063221.D
Acq: 30 Jul 2019 3:06

Instrument :
MSVOA_D
ClientSampleId :
SP-8

Tot Ion:117 Resp: 567448
Ion Ratio Lower Upper
117 100
82 48.2 40.1 60.1
119 30.9 26.5 39.7

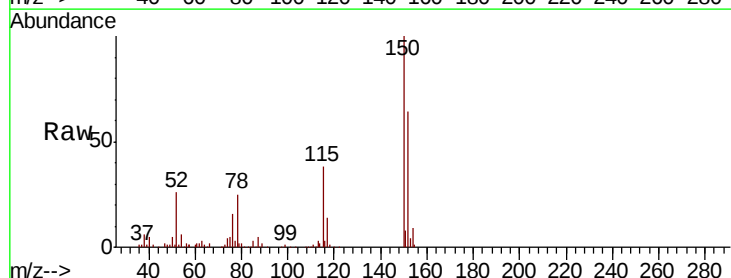


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

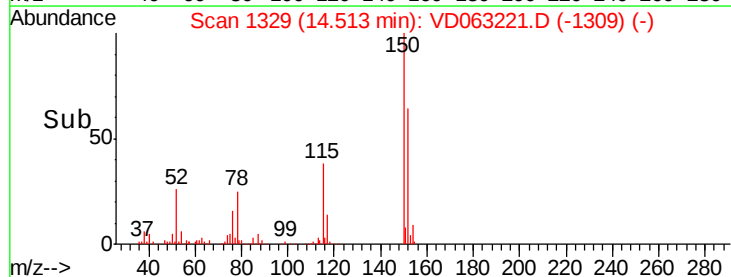
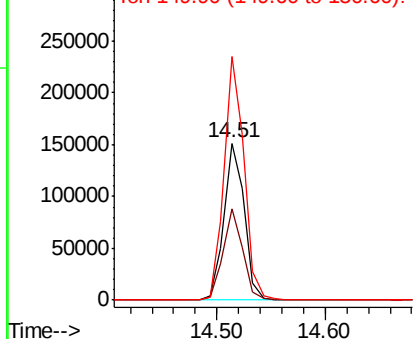


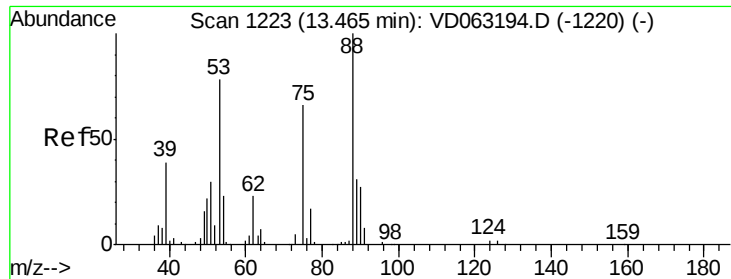
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD063221.D
Acq: 30 Jul 2019 3:06

Tgt Ion:152 Resp: 197442
Ion Ratio Lower Upper
152 100
115 58.4 27.5 82.4
150 155.2 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: 239.659 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063221.D

Acq: 30 Jul 2019 3:06

Instrument :

MSVOA_D

ClientSampleId :

SP-8

Tot Ion: 75 Resp: 157822

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

