

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063122.D
 Acq On : 17 Jul 2019 10:46
 Operator : VA/AP
 Sample : VD0717SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

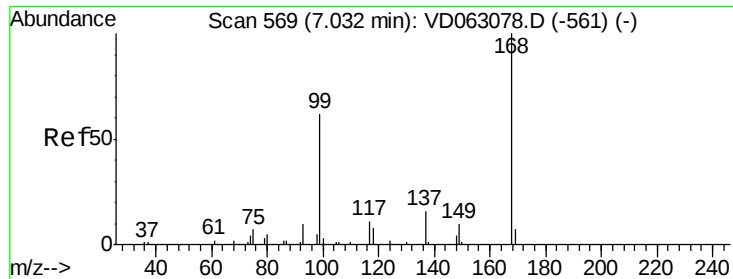
Quant Time: Jul 18 06:54:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	692009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	951833	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	781484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	430623	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	421424	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
35) Dibromofluoromethane	6.92	113	486801	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
50) Toluene-d8	10.40	98	950228	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	
62) 4-Bromofluorobenzene	13.55	95	427113	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	3221	Below Cal		93
3) Chloromethane	1.73	50	898	Below Cal	#	48
5) Bromomethane	2.11	94	2104	Below Cal	#	12
13) Acrolein	3.01	56	197	1.312	ug/l #	17
16) Acetone	3.22	43	7006	3.365	ug/l #	62
18) Methyl Acetate	3.64	43	850	Below Cal	#	63
20) Methylene Chloride	3.80	84	9070	1.153	ug/l #	81
36) 1,1-Dichloropropene	7.03	75	52701	4.923	ug/l #	46
38) Carbon Tetrachloride	7.03	117	65929	4.053	ug/l #	13
49) 1,4-Dioxane	9.08	88	191	5.136	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.85	63	13001	4.039	ug/l #	73
76) 1,2,3-Trichloropropane	13.55	75	140865	21.265	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	197609	113.282	ug/l #	1

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

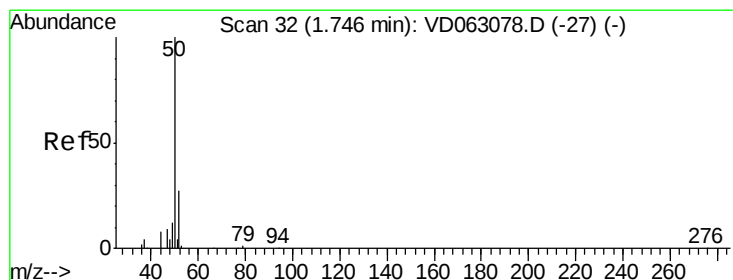
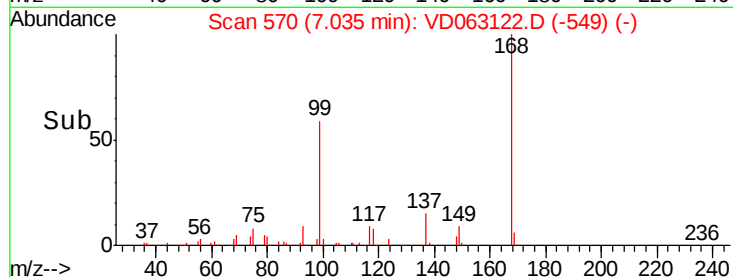
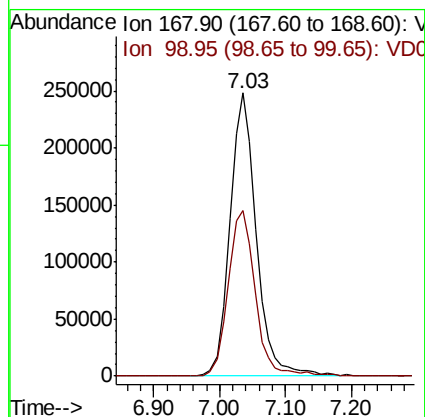
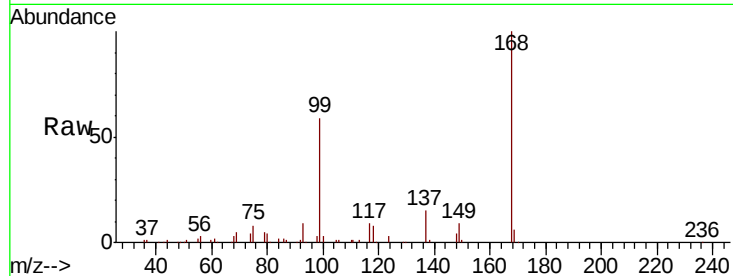


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VD063122.D
 Acq: 17 Jul 2019 10:46

Instrument :
 MSVOA_D
 ClientSampleId :

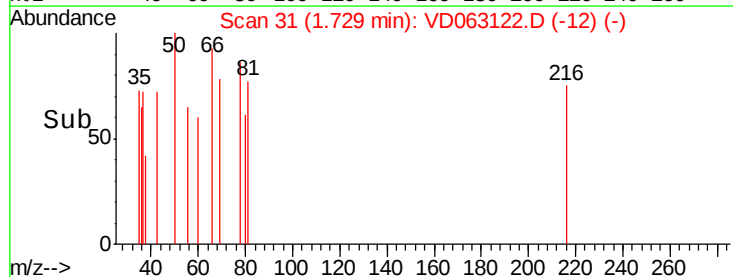
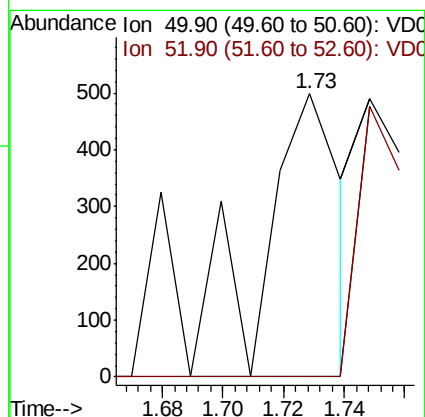
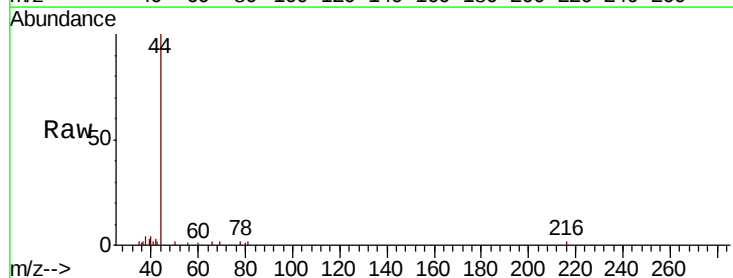
Tot Ion:168 Resp: 692009
 Ion Ratio Lower Upper
 168 100
 99 58.6 50.8 76.2

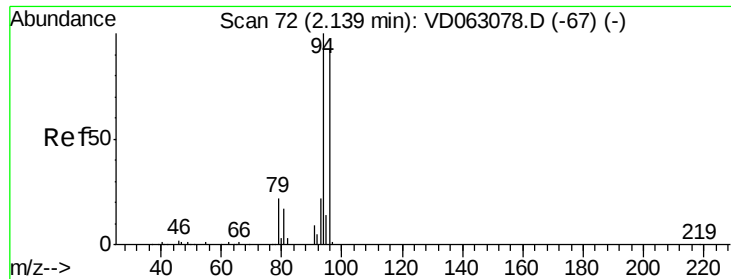


#3

Chloromethane
 Concen: Below Cal
 RT: 1.73 min Scan# 31
 Delta R.T. -0.02 min
 Lab File: VD063122.D
 Acq: 17 Jul 2019 10:46

Tgt Ion: 50 Resp: 898
 Ion Ratio Lower Upper
 50 100
 52 0.0 21.4 32.2#





#5

Bromomethane

Concen: Below Cal

RT: 2.11 min Scan# 70

Delta R.T. -0.03 min

Lab File: VD063122.D

Acq: 17 Jul 2019 10:46

Instrument :

MSVOA_D

ClientSampled :

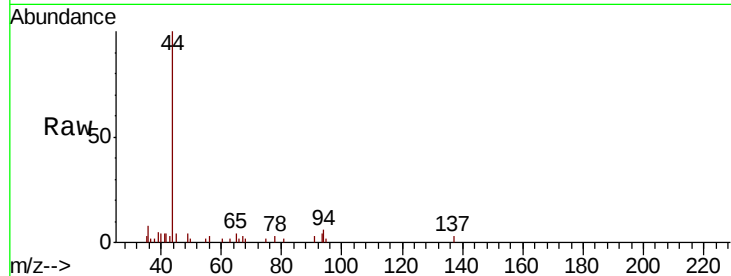
Tot Ion: 94 Resp: 2104

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

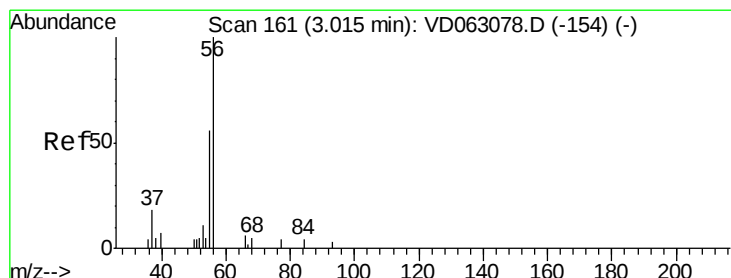
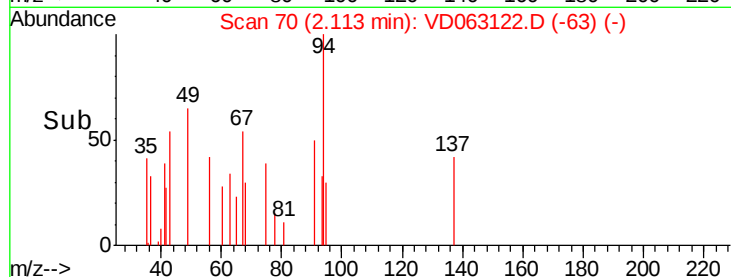
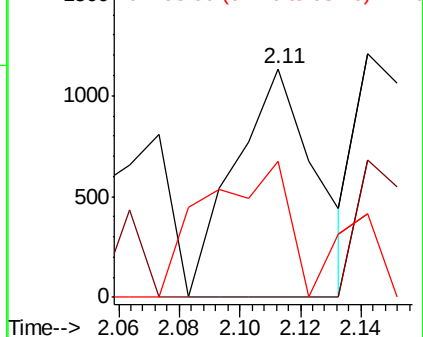
93 45.9 17.8 26.6#



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



#13

Acrolein

Concen: 1.312 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.01 min

Lab File: VD063122.D

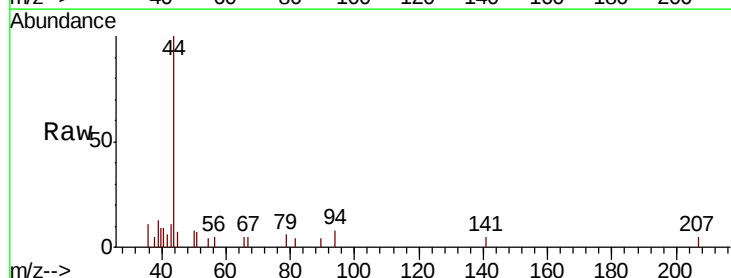
Acq: 17 Jul 2019 10:46

Tgt Ion: 56 Resp: 197

Ion Ratio Lower Upper

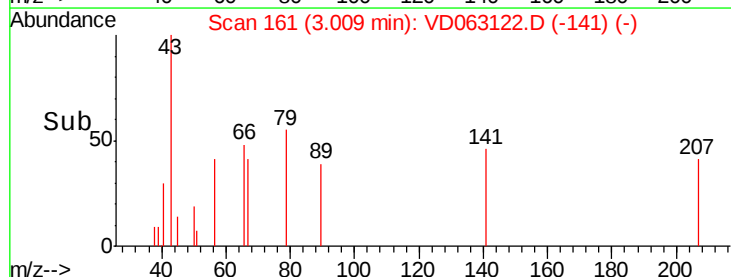
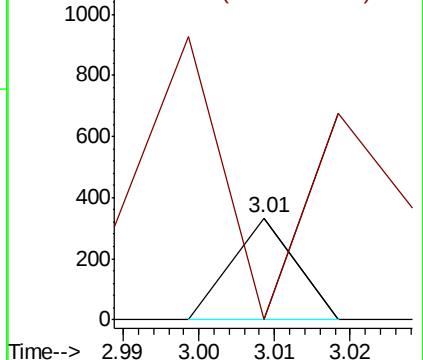
56 100

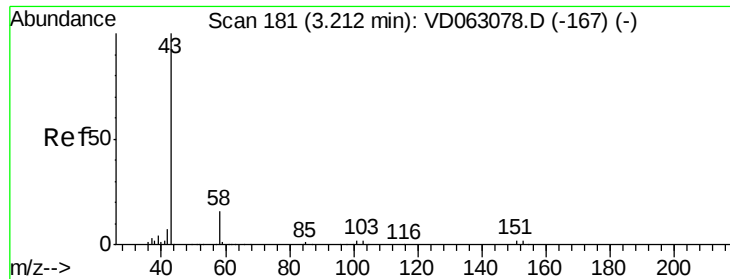
55 0.0 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 3.365 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063122.D

Acq: 17 Jul 2019 10:46

Instrument :

MSVOA_D

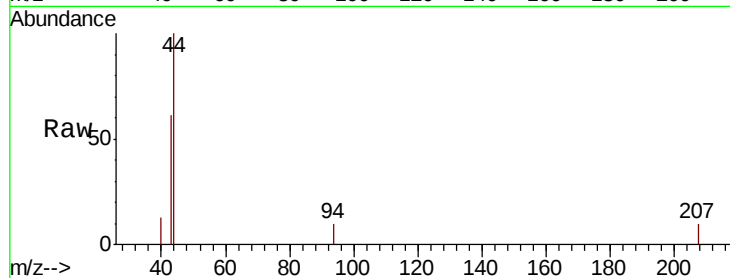
ClientSampleId :

Tot Ion: 43 Resp: 7006

Ion Ratio Lower Upper

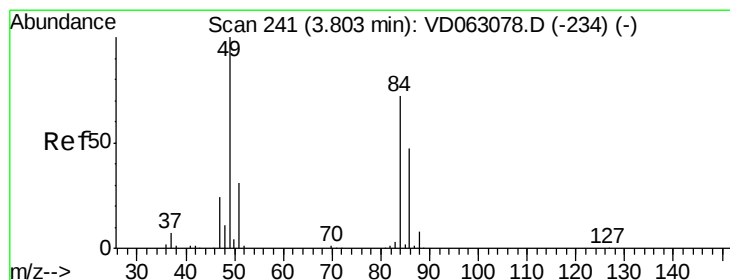
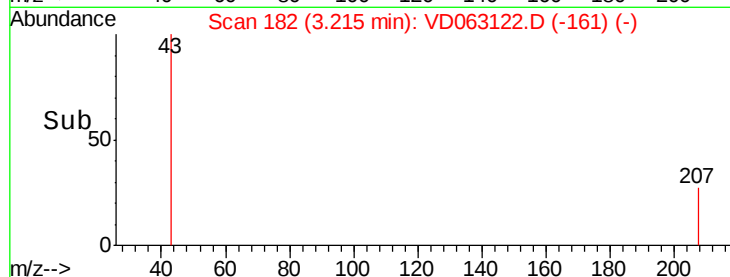
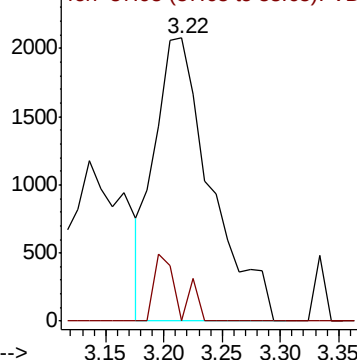
43 100

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



#20

Methylene Chloride

Concen: 1.153 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD063122.D

Acq: 17 Jul 2019 10:46

Tgt Ion: 84 Resp: 9070

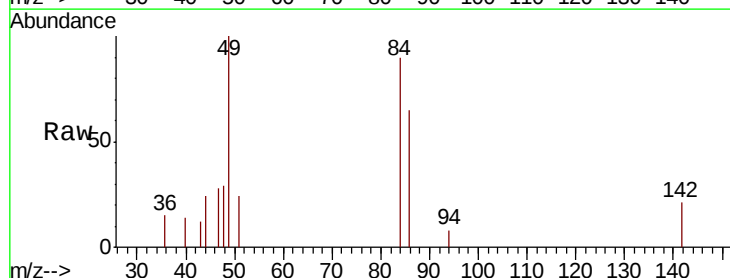
Ion Ratio Lower Upper

84 100

49 111.5 110.5 165.7

51 27.2 34.6 51.8#

86 72.4 51.6 77.4

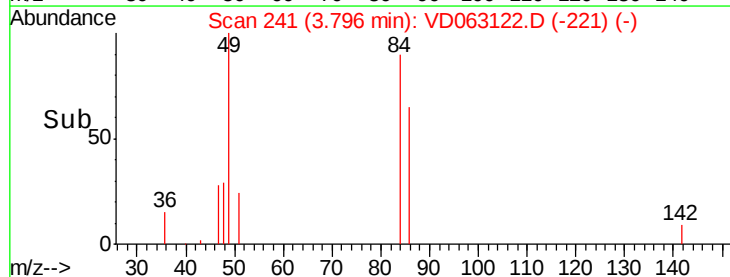
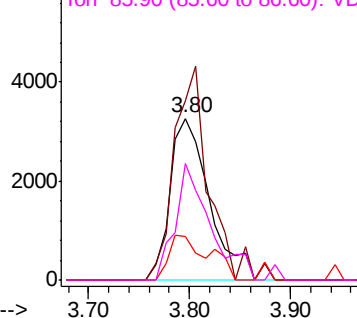


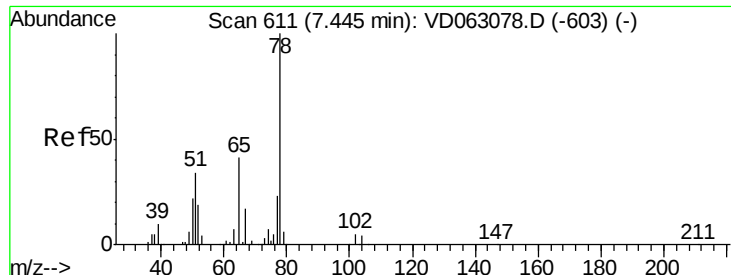
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

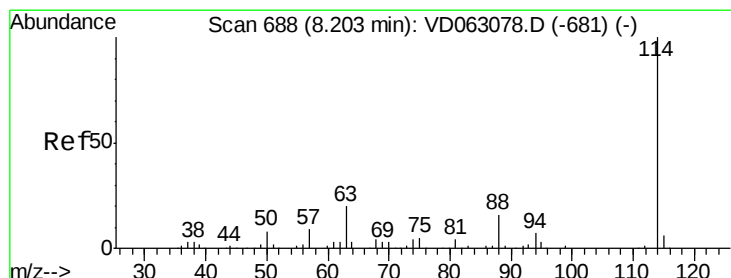
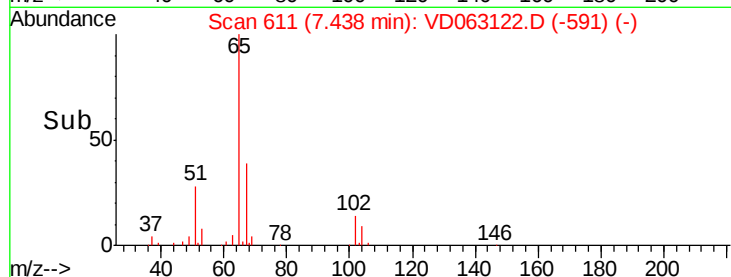
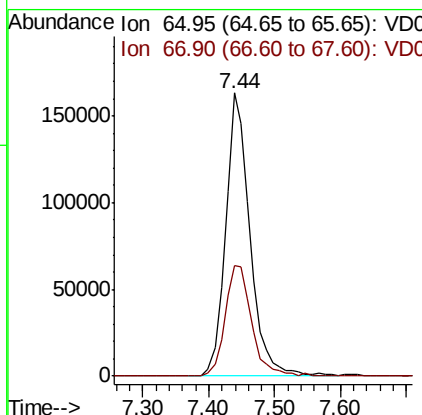
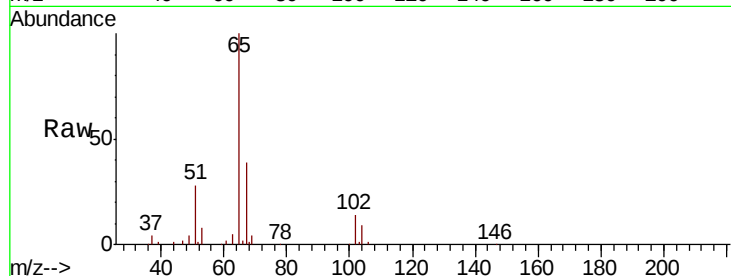




#33
 1,2-Dichloroethane-d4
 Concen: 48.887 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD063122.D
 Acq: 17 Jul 2019 10:46

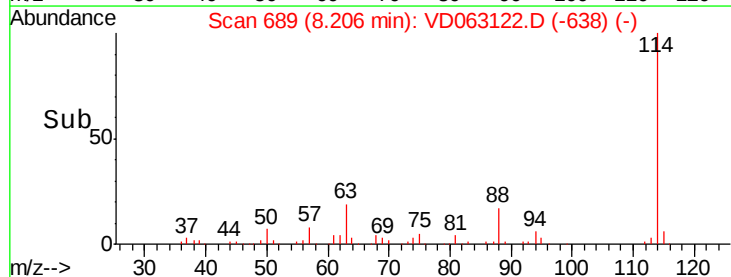
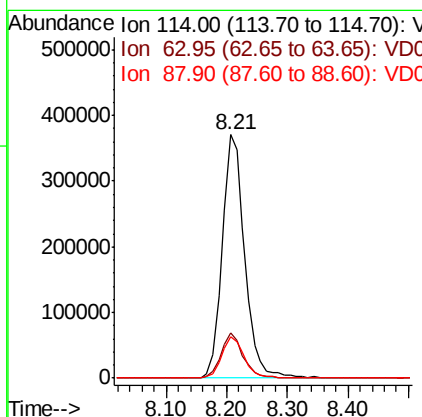
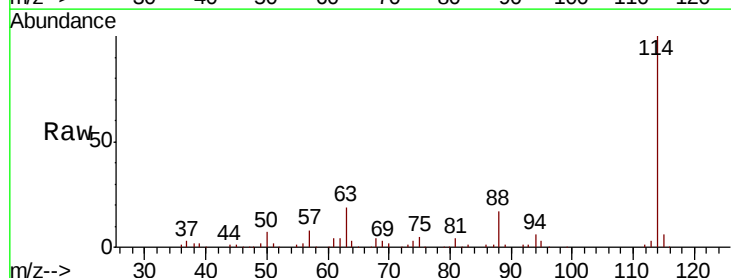
Instrument :
 MSVOA_D
 ClientSampleId :

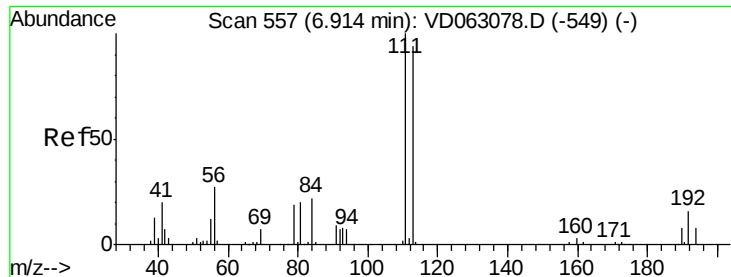
Tot Ion: 65 Resp: 421424
 Ion Ratio Lower Upper
 65 100
 67 39.1 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063122.D
 Acq: 17 Jul 2019 10:46

Tgt Ion: 114 Resp: 951833
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.6
 88 17.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.348 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD063122.D

Acq: 17 Jul 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

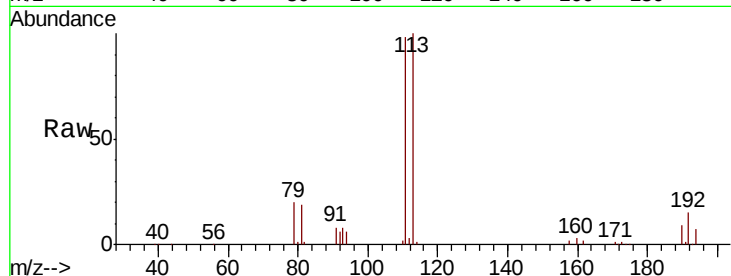
Tot Ion:113 Resp: 486801

Ion Ratio Lower Upper

113 100

111 97.9 84.8 127.2

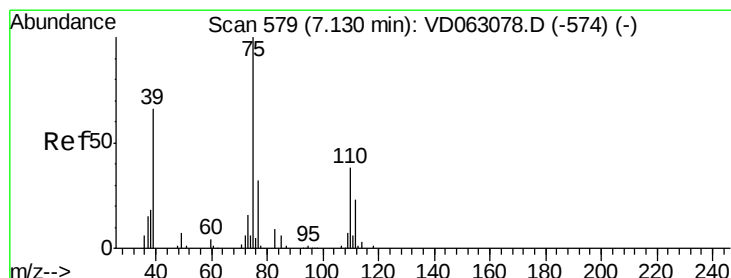
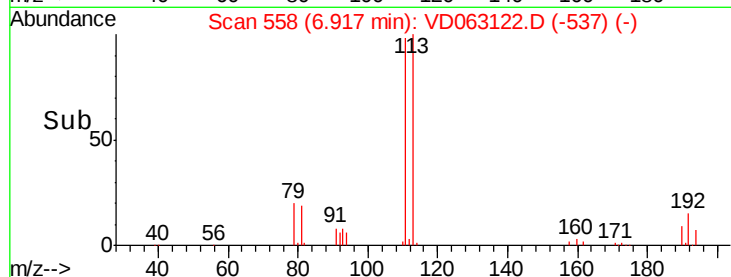
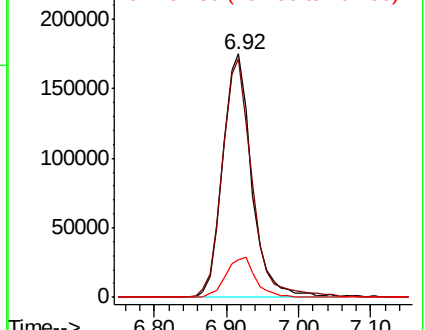
192 15.2 13.4 20.0



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: 4.923 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063122.D

Acq: 17 Jul 2019 10:46

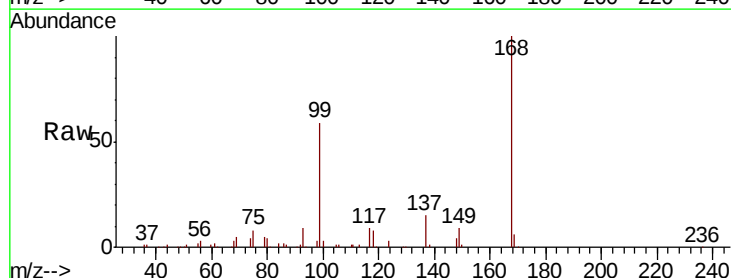
Tgt Ion: 75 Resp: 52701

Ion Ratio Lower Upper

75 100

110 6.6 18.9 56.5#

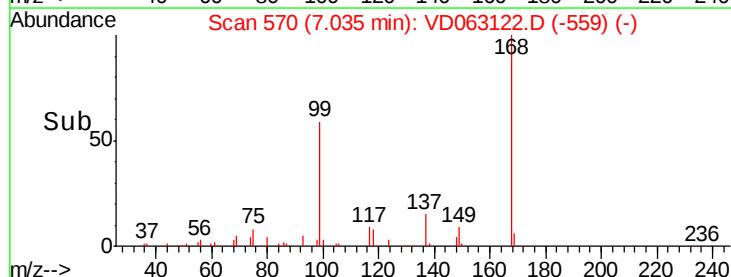
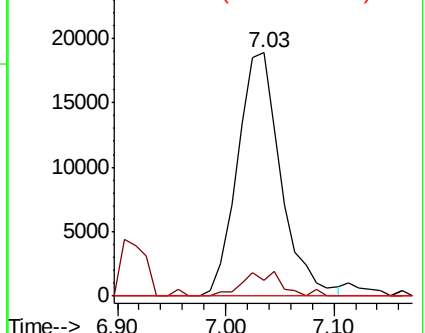
77 0.0 25.2 37.8#

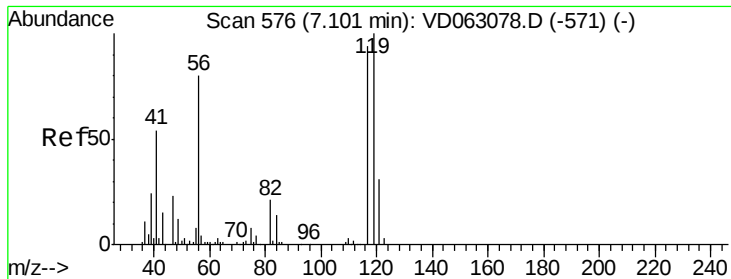


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 4.053 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.07 min

Lab File: VD063122.D

Acq: 17 Jul 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

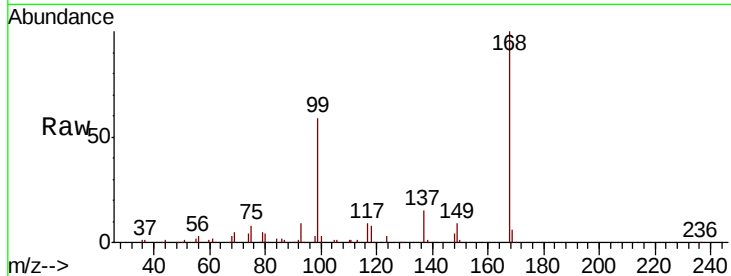
Tot Ion:117 Resp: 65929

Ion Ratio Lower Upper

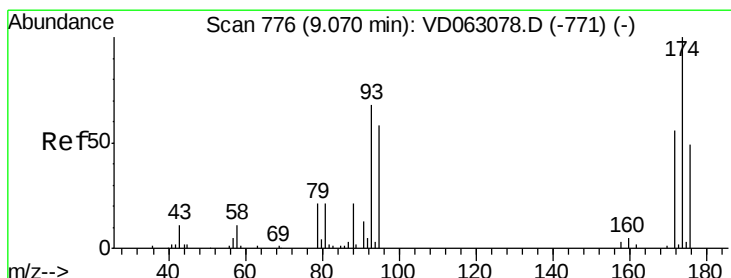
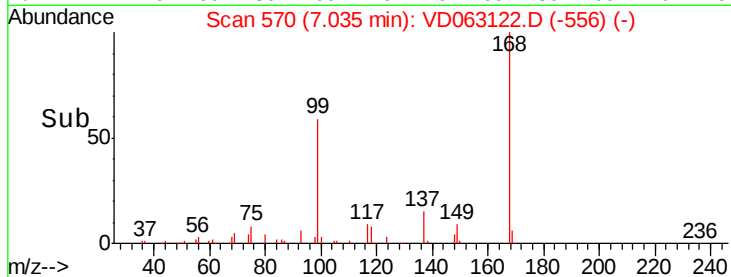
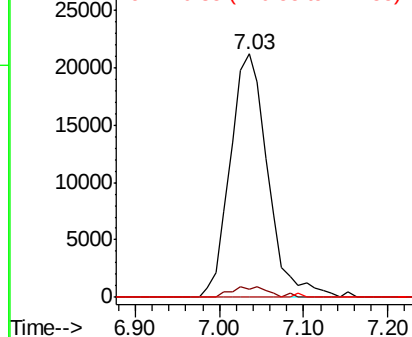
117 100

119 3.4 80.0 120.0#

121 0.0 25.0 37.4#



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: 5.136 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD063122.D

Acq: 17 Jul 2019 10:46

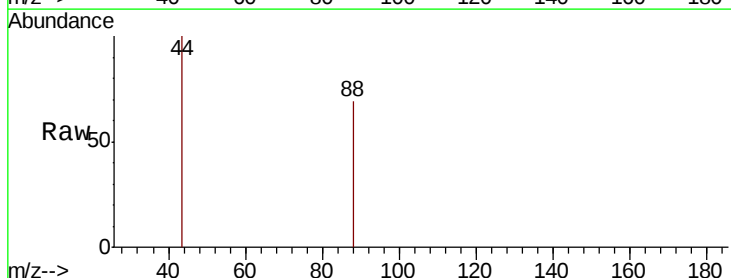
Tgt Ion: 88 Resp: 191

Ion Ratio Lower Upper

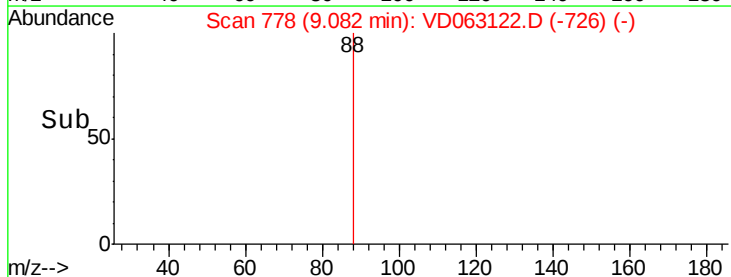
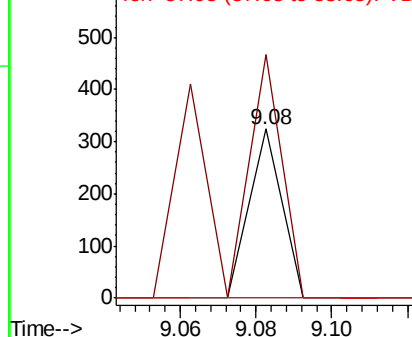
88 100

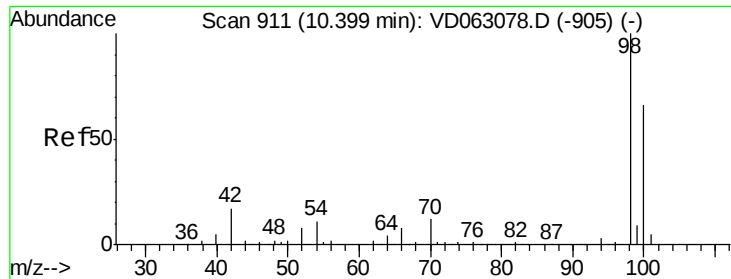
43 144.1 40.2 60.4#

58 0.0 41.6 62.4#



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

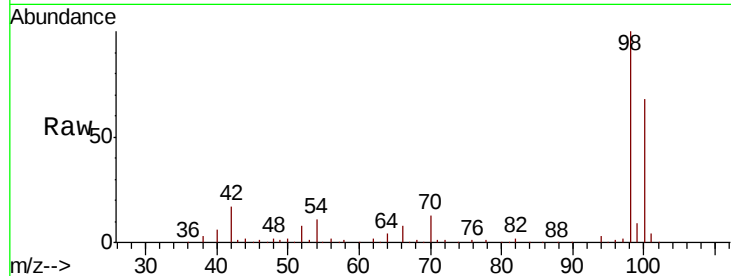




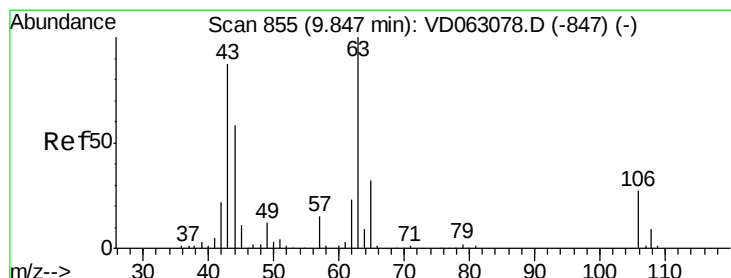
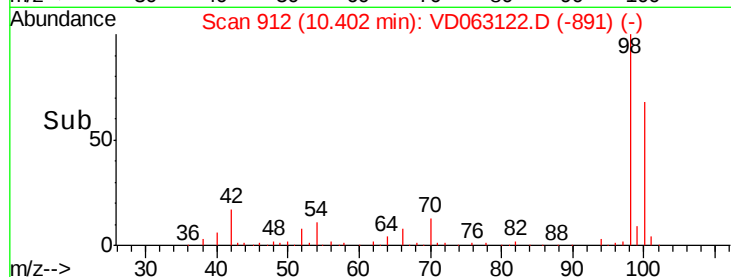
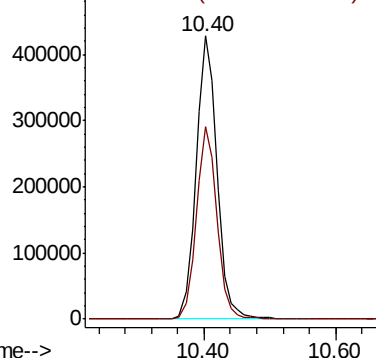
#50
Toluene-d8
Concen: 46.662 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063122.D
Acq: 17 Jul 2019 10:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 950228
Ion Ratio Lower Upper
98 100
100 68.2 53.5 80.3

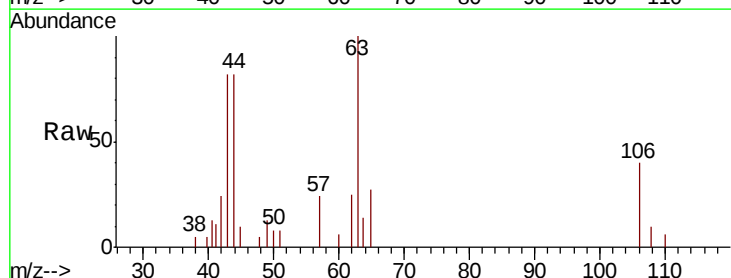


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

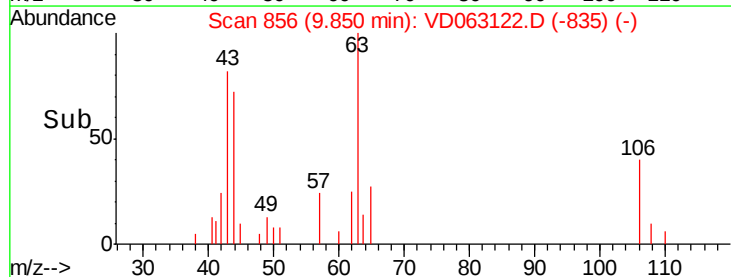
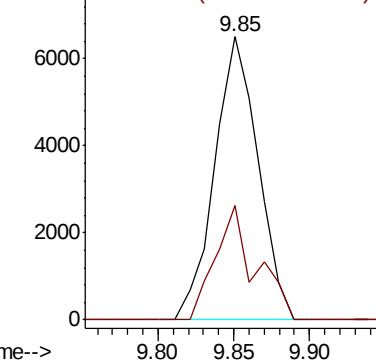


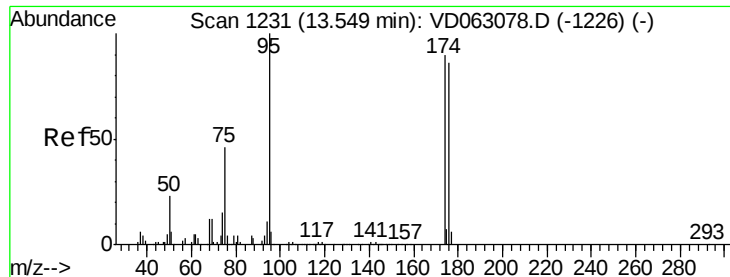
#58
2-Chloroethyl Vinyl ether
Concen: 4.039 ug/l
RT: 9.85 min Scan# 856
Delta R.T. 0.00 min
Lab File: VD063122.D
Acq: 17 Jul 2019 10:46

Tgt Ion: 63 Resp: 13001
Ion Ratio Lower Upper
63 100
106 40.4 21.3 31.9#



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): VDC

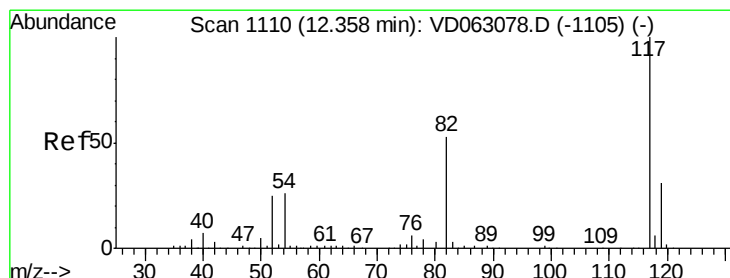
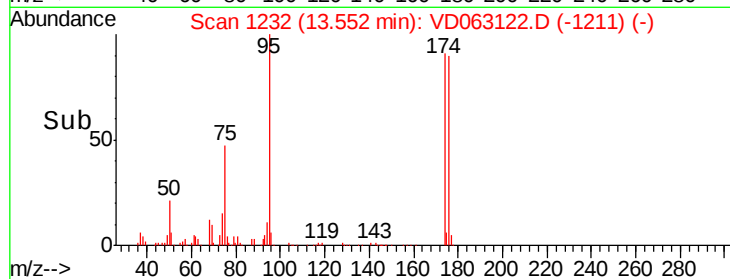
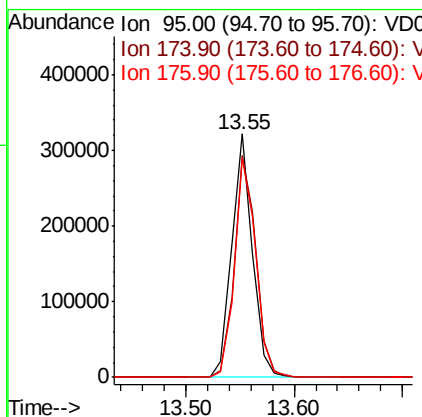
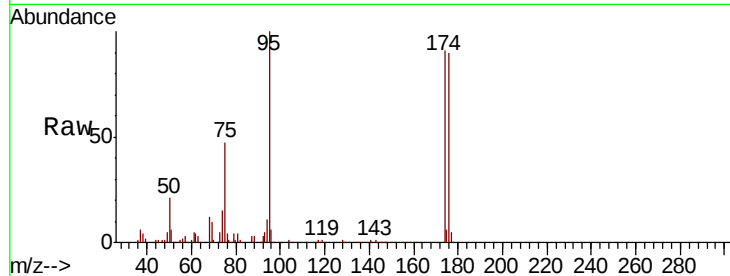




#62
4-Bromofluorobenzene
Concen: 45.335 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063122.D
Acq: 17 Jul 2019 10:46

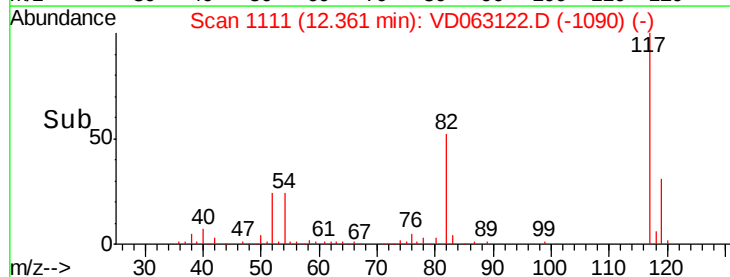
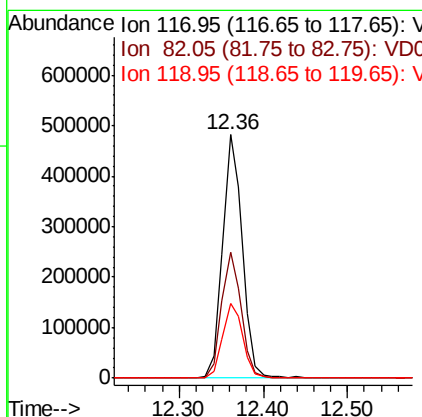
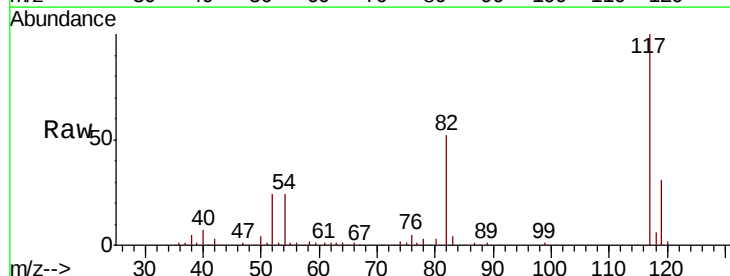
Instrument :
MSVOA_D
ClientSampleId :

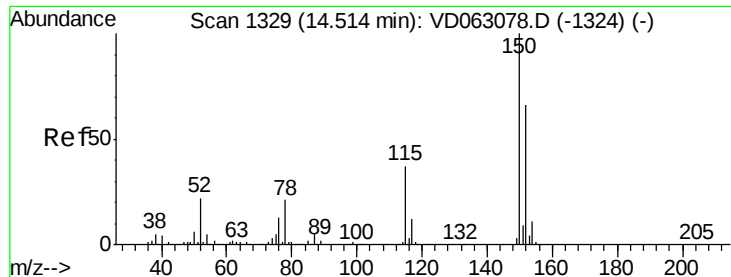
Tot Ion: 95 Resp: 427113
Ion Ratio Lower Upper
95 100
174 91.2 0.0 180.6
176 89.8 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063122.D
Acq: 17 Jul 2019 10:46

Tgt Ion: 117 Resp: 781484
Ion Ratio Lower Upper
117 100
82 51.8 42.3 63.5
119 30.6 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063122.D

Acq: 17 Jul 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

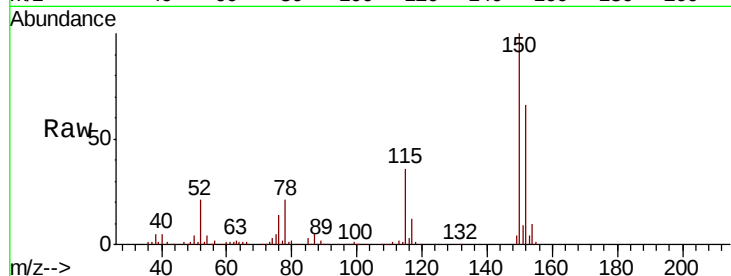
Tot Ion:152 Resp: 430623

Ion Ratio Lower Upper

152 100

115 54.8 28.9 86.8

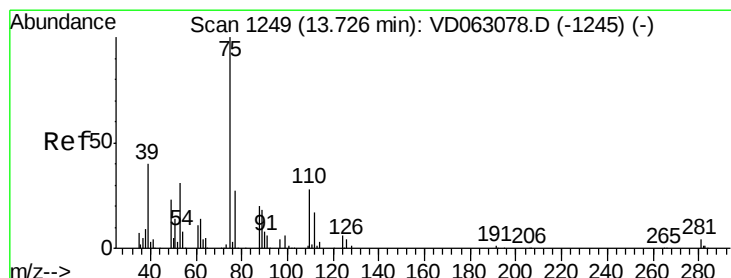
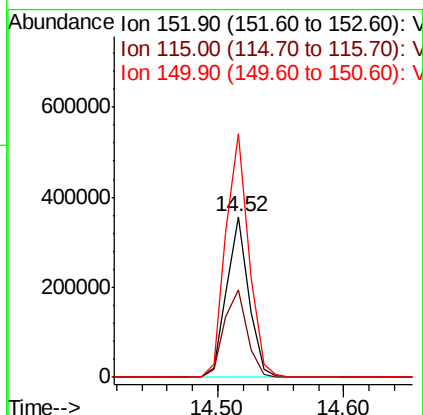
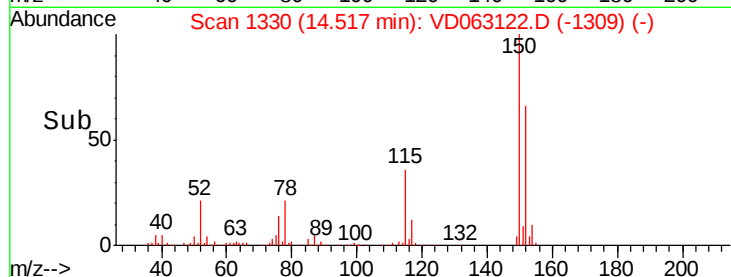
150 151.8 0.0 313.8



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: 21.265 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063122.D

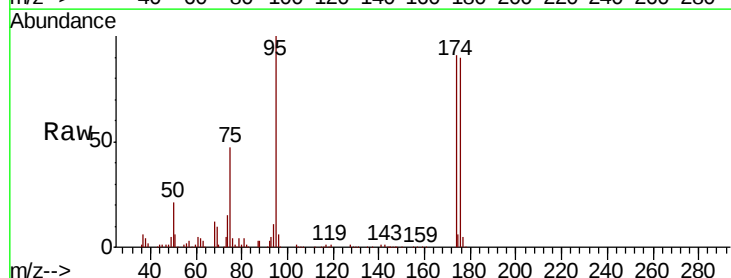
Acq: 17 Jul 2019 10:46

Tgt Ion: 75 Resp: 140865

Ion Ratio Lower Upper

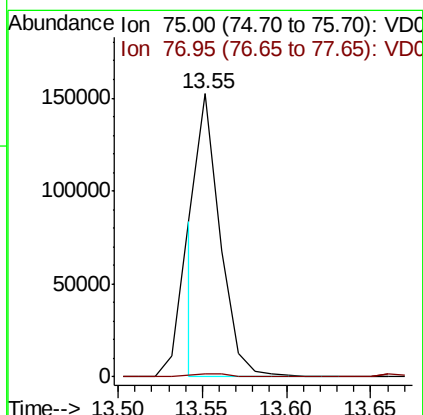
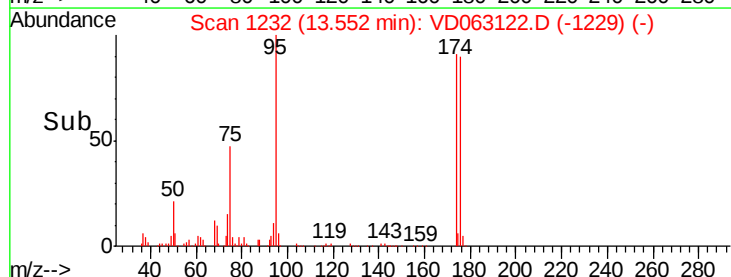
75 100

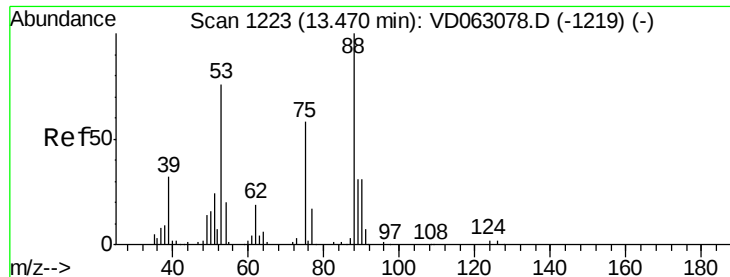
77 1.3 16.3 48.8#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 113.282 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063122.D

Acq: 17 Jul 2019 10:46

Instrument :

MSVOA_D

ClientSampleId :

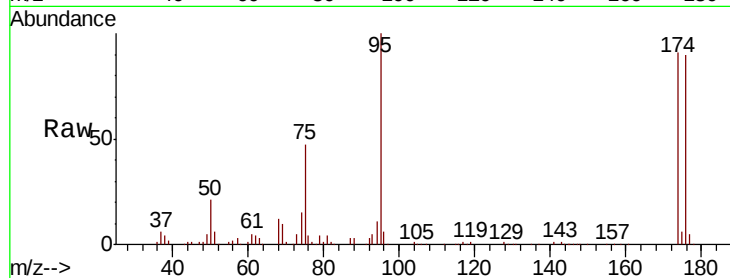
Tot Ion: 75 Resp: 197609

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#



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

