

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064079.D
 Acq On : 25 Oct 2019 21:44
 Operator : VA/SY
 Sample : K5542-04
 Misc : 4.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:07:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	146616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	253853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	270722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	126560	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	80025	56.06	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	112.12%	
35) Dibromofluoromethane	7.92	113	78486	50.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.18%	
50) Toluene-d8	10.34	98	350000	55.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.16%	
62) 4-Bromofluorobenzene	12.64	95	99849	45.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.26%	

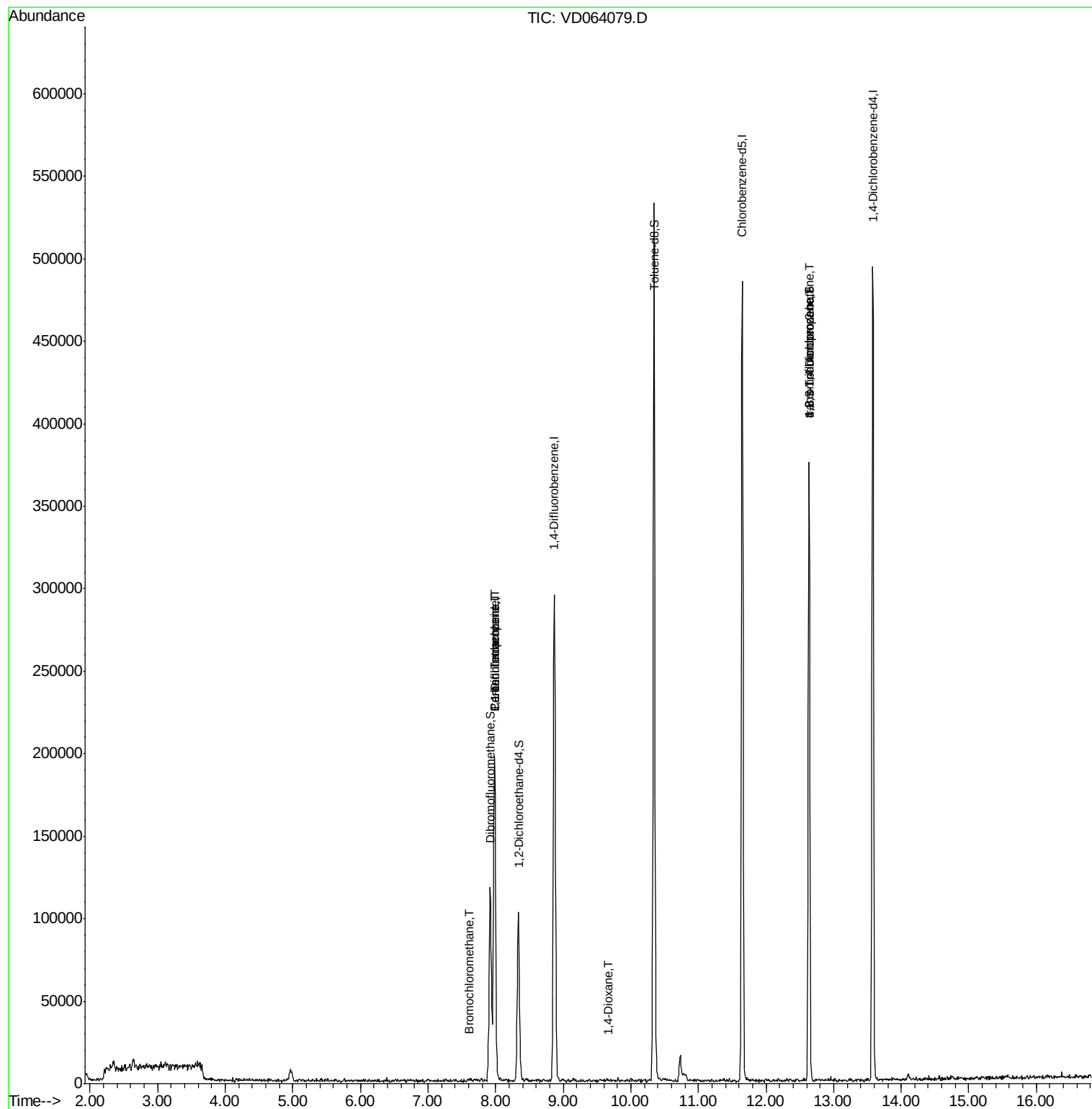
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	392	Below Cal	#	40
11) Tert butyl alcohol	5.11	59	70	Below Cal	#	71
20) Methylene Chloride	4.97	84	4393	Below Cal	#	82
28) Bromochloromethane	7.61	49	55	1.918 ug/l	#	10
31) Cyclohexane	7.99	56	2103	Below Cal	#	75
36) 1,1-Dichloropropene	7.99	75	11478	4.945 ug/l	#	50
37) Ethyl Acetate	7.33	43	162	Below Cal	#	68
38) Carbon Tetrachloride	7.99	117	14716	6.274 ug/l	#	24
49) 1,4-Dioxane	9.66	88	58	4.583 ug/l	#	1
76) 1,2,3-Trichloropropane	12.64	75	57534	67.874 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.64	75	57534	120.109 ug/l	#	12
92) 1,2-Dibromo-3-Chloropropan	14.50	75	110	Below Cal	#	1

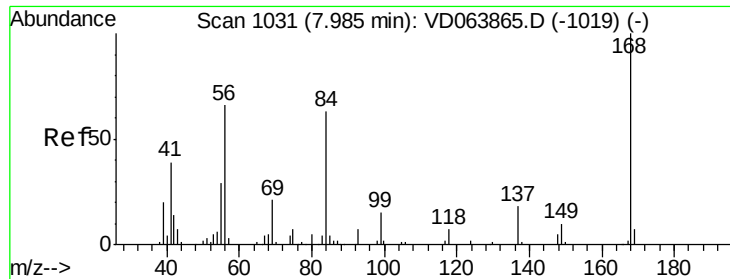
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102519\
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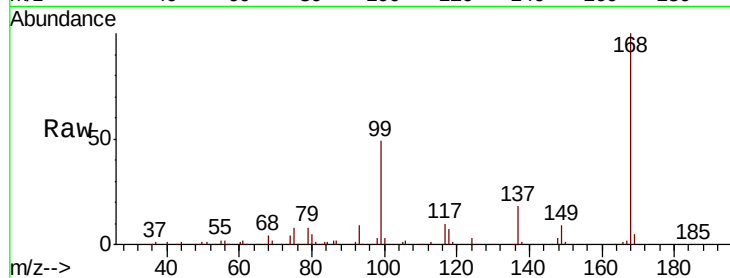




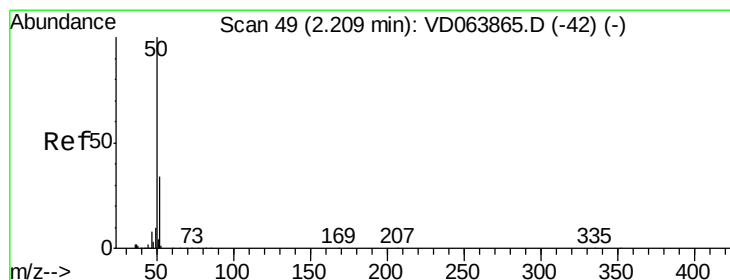
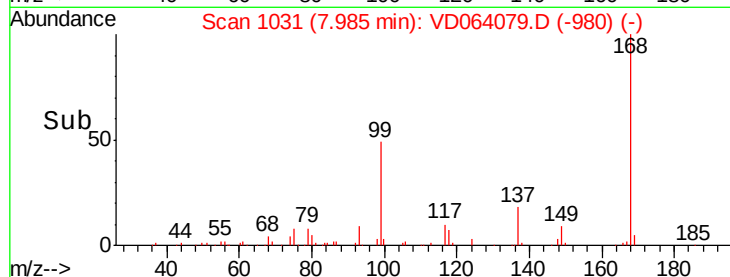
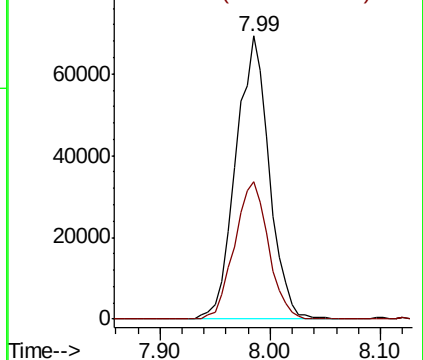
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064079.D
Acq: 25 Oct 2019 21:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 146616
Ion Ratio Lower Upper
168 100
99 48.8 43.0 64.4

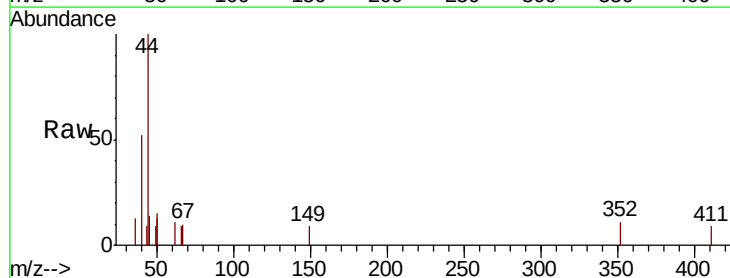


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

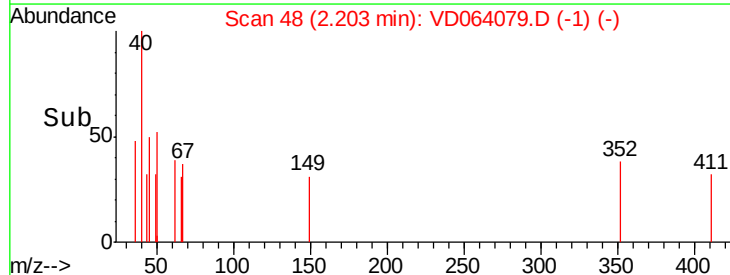
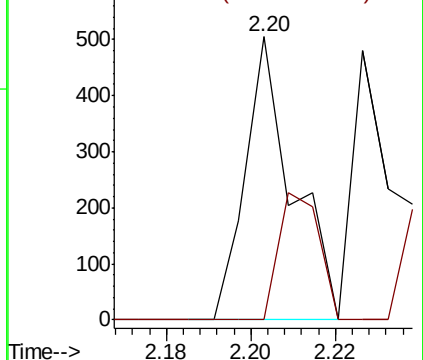


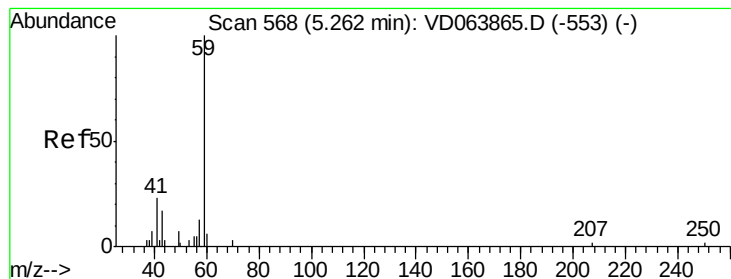
#3
Chloromethane
Concen: Below Cal
RT: 2.20 min Scan# 48
Delta R.T. -0.01 min
Lab File: VD064079.D
Acq: 25 Oct 2019 21:44

Tgt Ion: 50 Resp: 392
Ion Ratio Lower Upper
50 100
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



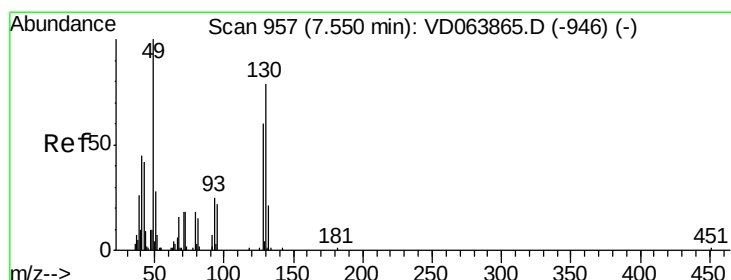
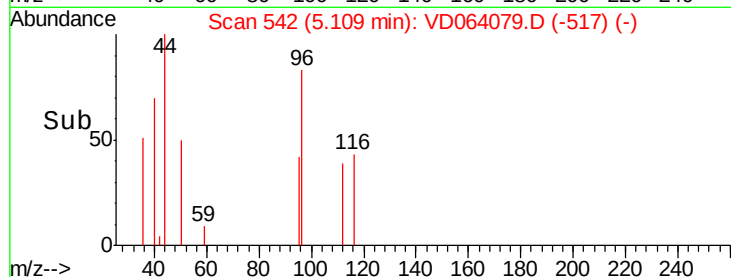
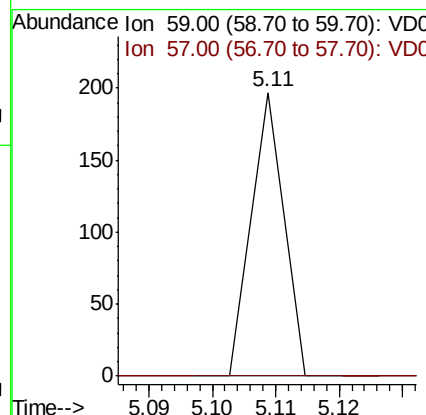
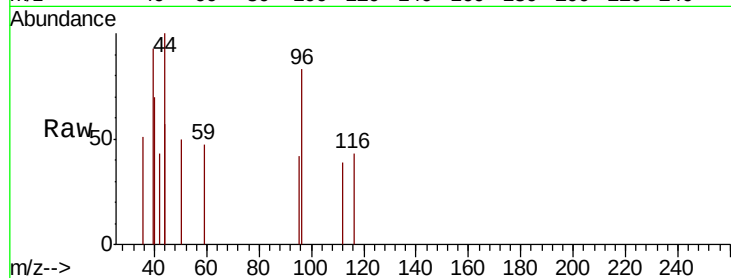


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.11 min Scan# 542
Delta R.T. -0.15 min
Lab File: VD064079.D
Acq: 25 Oct 2019 21:44

Instrument :
MSVOA_D
ClientSampleId :

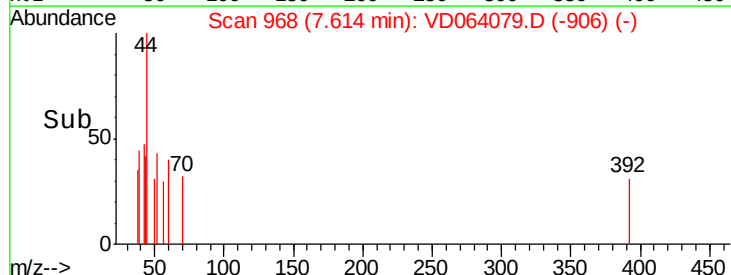
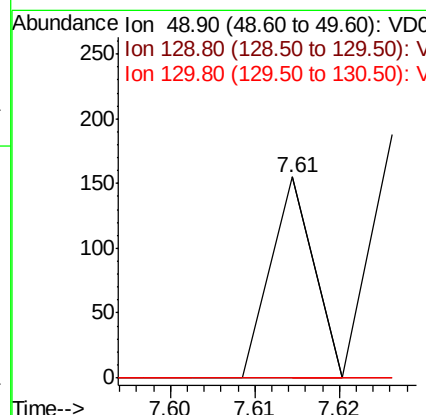
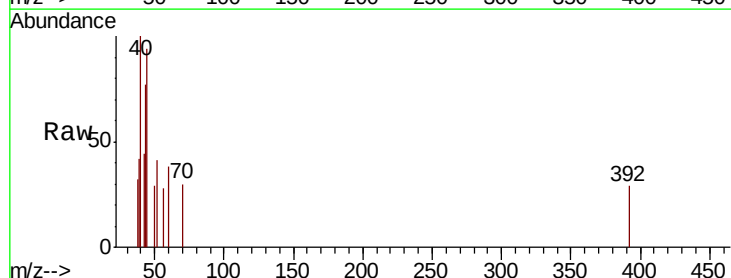
Tot Ion: 59 Resp: 70
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

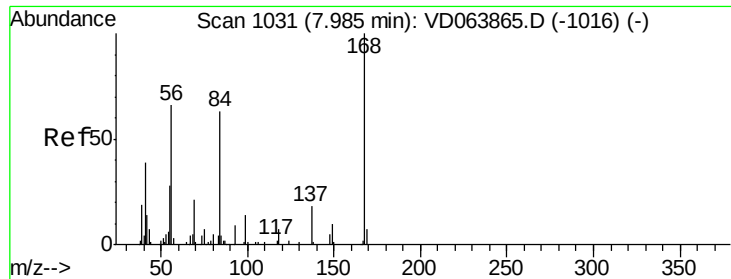


#28

Bromochloromethane
Concen: 1.918 ug/l
RT: 7.61 min Scan# 968
Delta R.T. 0.07 min
Lab File: VD064079.D
Acq: 25 Oct 2019 21:44

Tgt Ion: 49 Resp: 55
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#

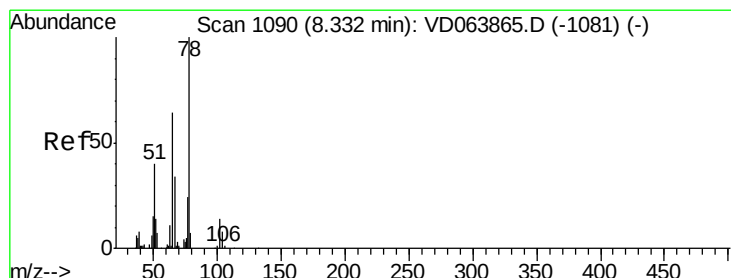
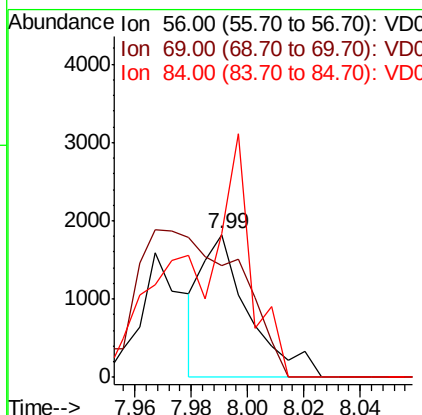
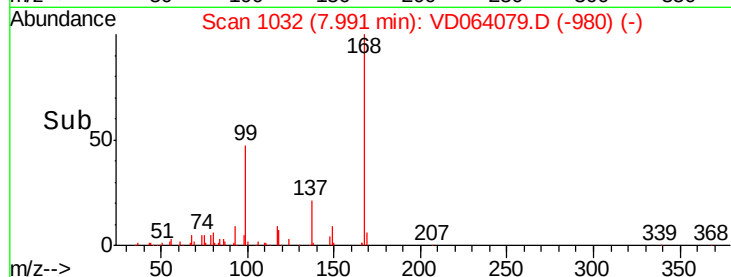
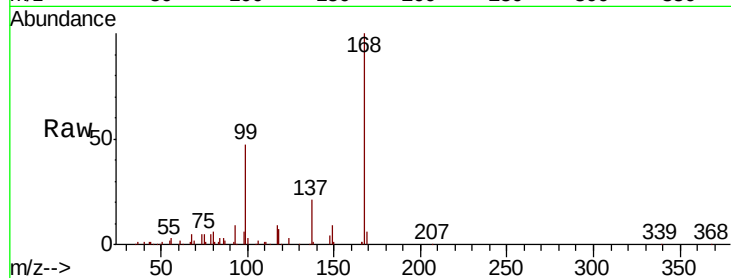




#31
Cyclohexane
Concen: Below Cal
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064079.D
Acq: 25 Oct 2019 21:44

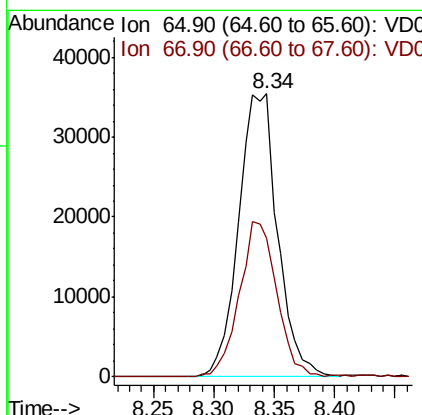
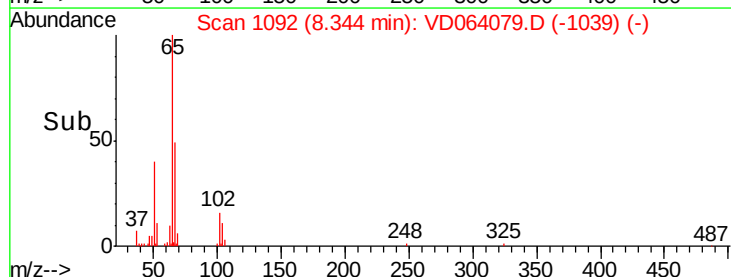
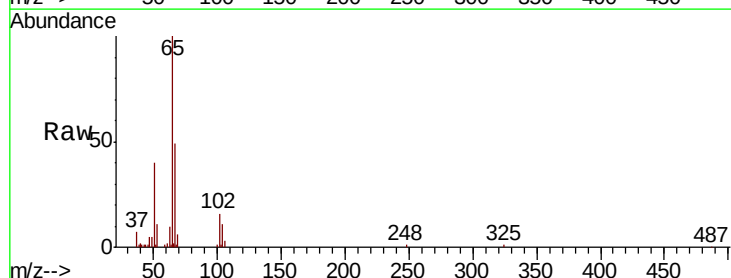
Instrument :
MSVOA_D
ClientSampleId :

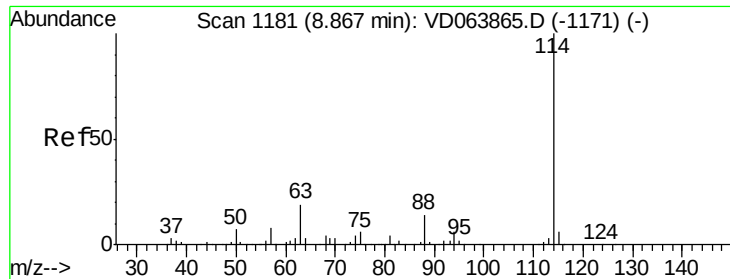
Tot Ion: 56 Resp: 2103
Ion Ratio Lower Upper
56 100
69 78.1 25.0 37.4#
84 100.1 76.3 114.5



#33
1,2-Dichloroethane-d4
Concen: 56.063 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VD064079.D
Acq: 25 Oct 2019 21:44

Tgt Ion: 65 Resp: 80025
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.4

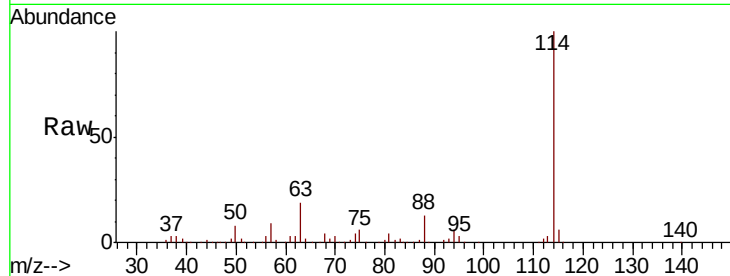




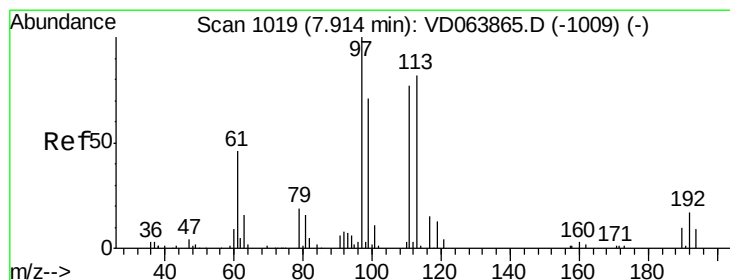
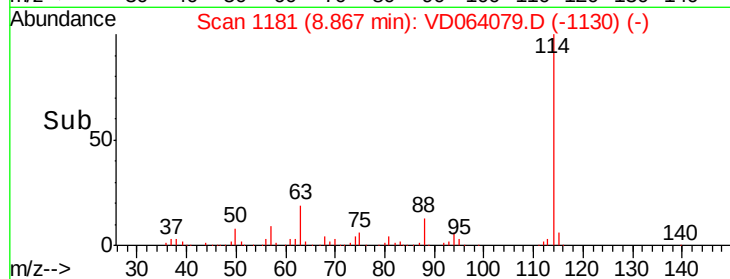
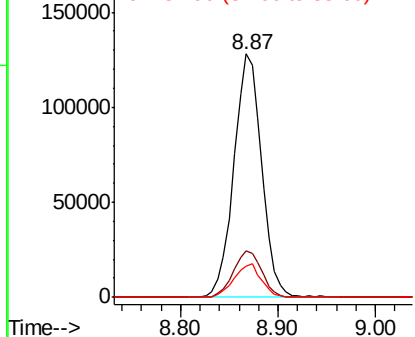
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064079.D
Acq: 25 Oct 2019 21:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 253853
Ion Ratio Lower Upper
114 100
63 19.1 0.0 38.4
88 13.0 0.0 27.4

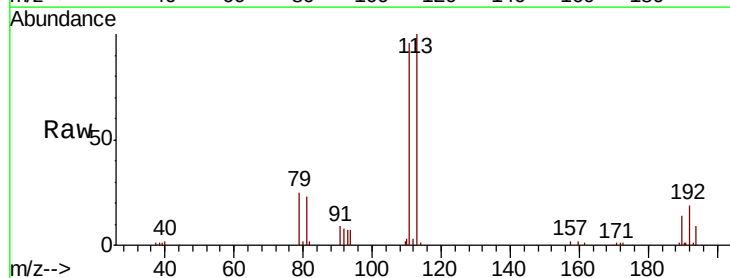


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

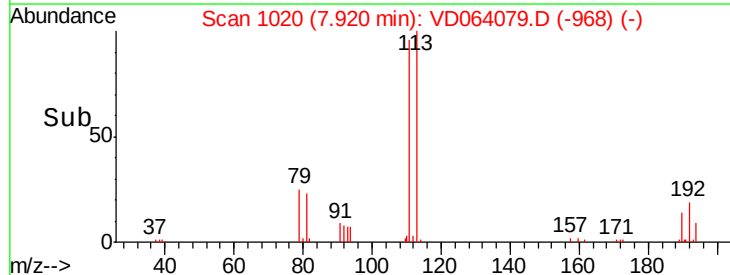
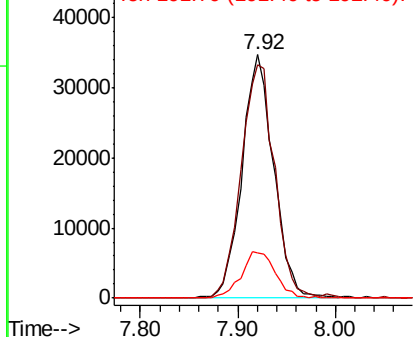


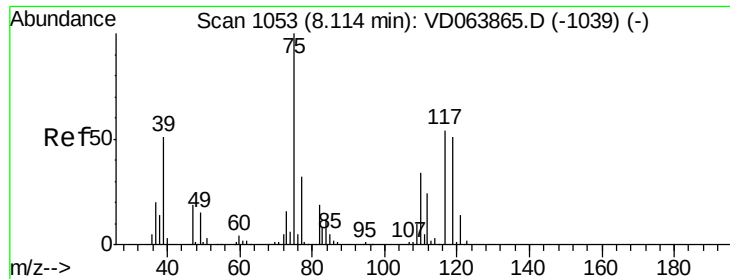
#35
Dibromofluoromethane
Concen: 50.591 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD064079.D
Acq: 25 Oct 2019 21:44

Tgt Ion:113 Resp: 78486
Ion Ratio Lower Upper
113 100
111 101.0 82.6 123.8
192 20.4 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

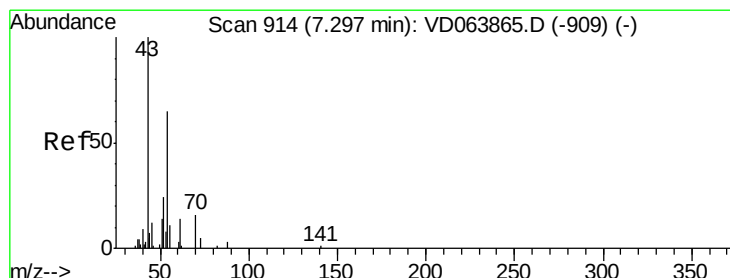
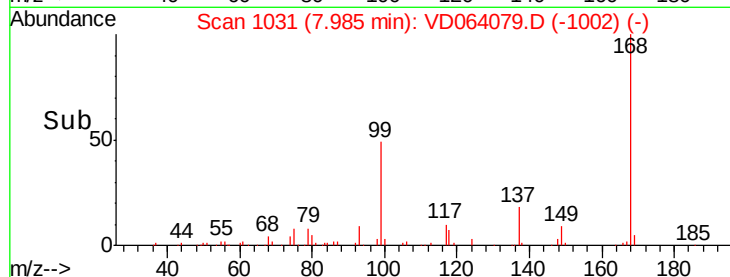
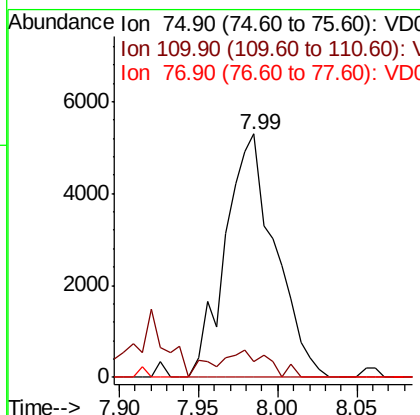
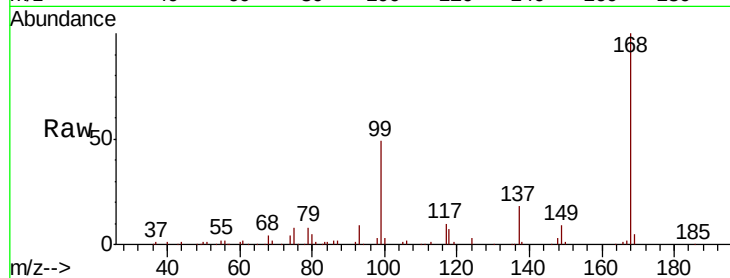




#36
 1,1-Dichloropropene
 Concen: 4.945 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064079.D
 Acq: 25 Oct 2019 21:44

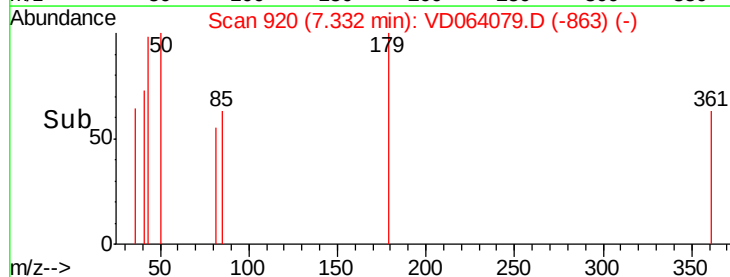
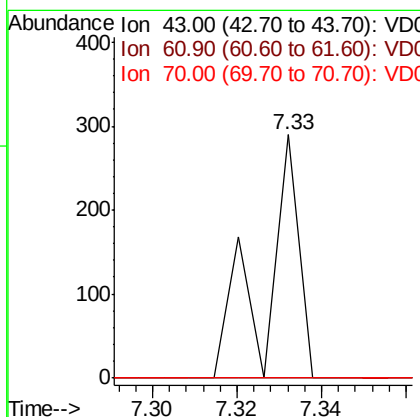
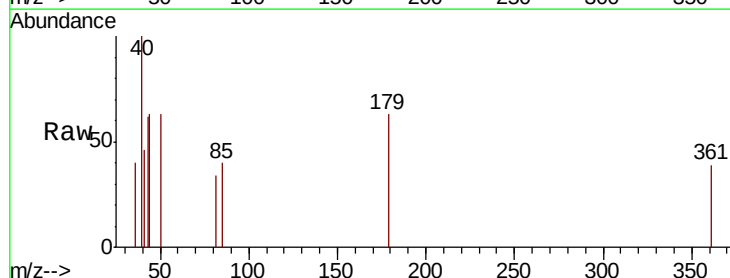
Instrument :
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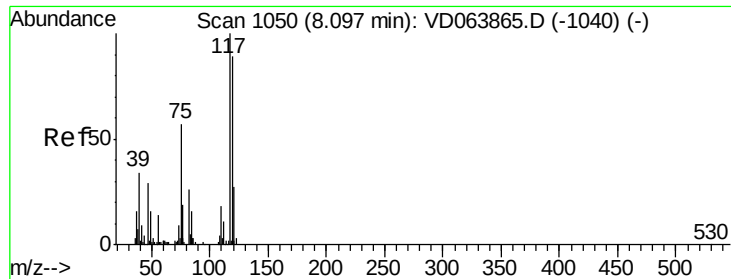
Tot Ion: 75 Resp: 11478
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.4 52.3#
 77 0.0 25.4 38.0#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.33 min Scan# 920
 Delta R.T. 0.04 min
 Lab File: VD064079.D
 Acq: 25 Oct 2019 21:44

Tgt Ion: 43 Resp: 162
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 8.2 12.4#

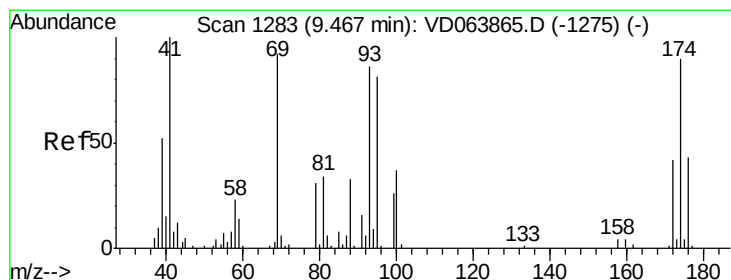
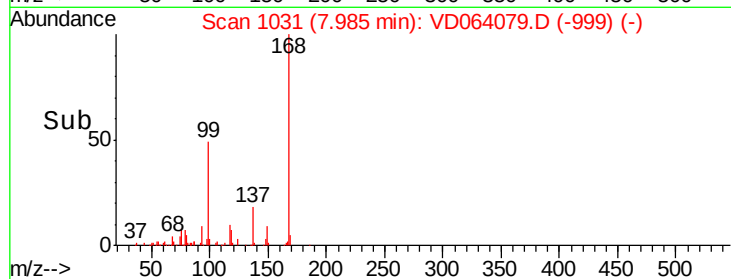
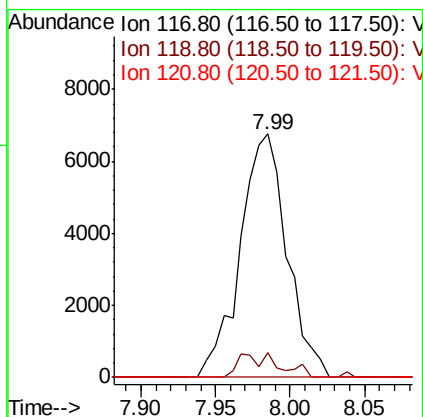
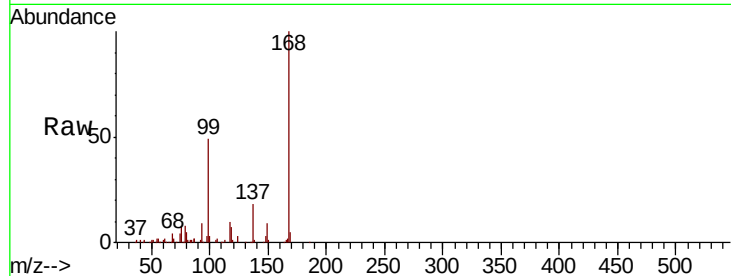




#38
Carbon Tetrachloride
Concen: 6.274 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064079.D
Acq: 25 Oct 2019 21:44

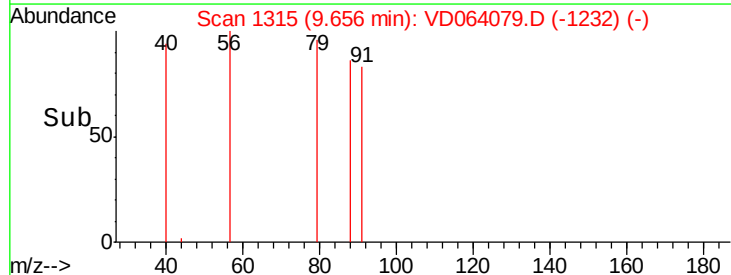
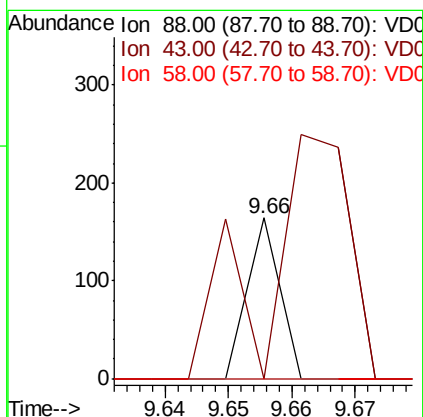
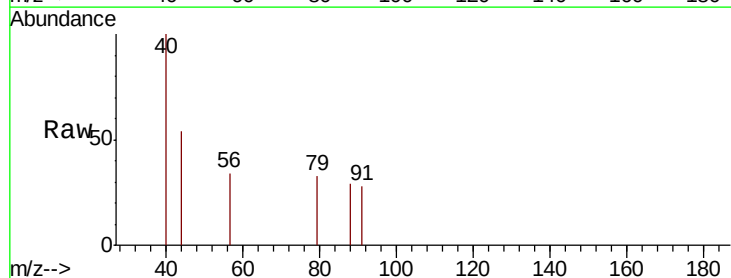
Instrument :
MSVOA_D
ClientSampled :

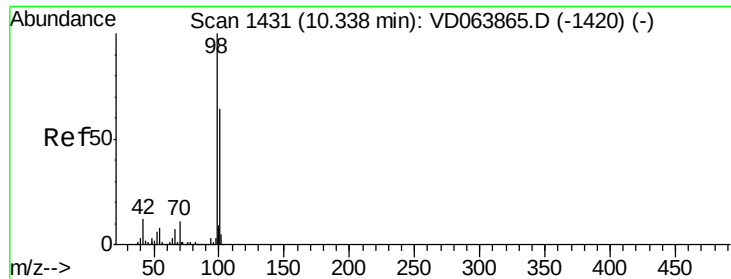
Tot Ion:117 Resp: 14716
Ion Ratio Lower Upper
117 100
119 10.4 70.8 106.2#
121 0.0 21.4 32.0#



#49
1,4-Dioxane
Concen: 4.583 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. 0.19 min
Lab File: VD064079.D
Acq: 25 Oct 2019 21:44

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 394.8 27.6 41.4#
58 0.0 54.1 81.1#

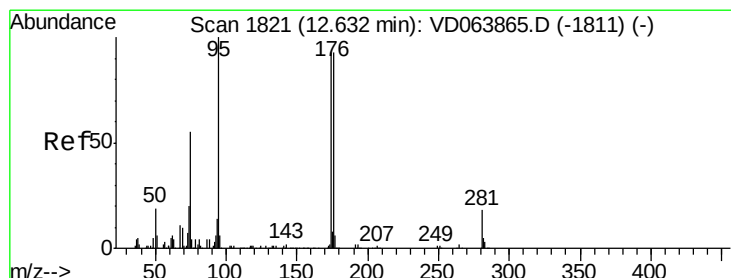
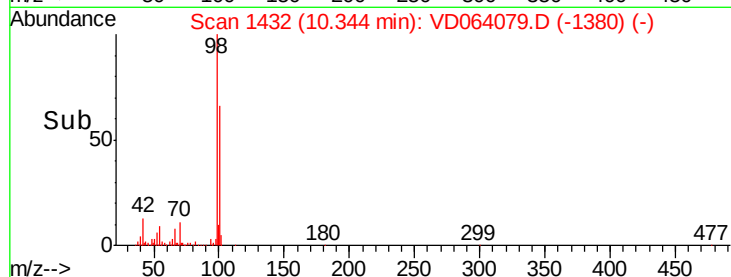
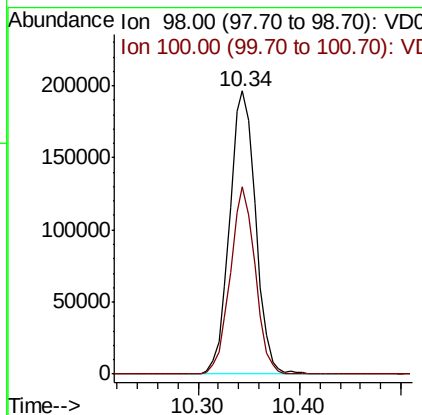
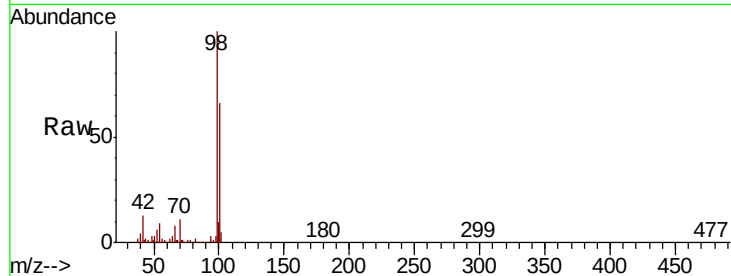




#50
Toluene-d8
Concen: 55.584 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064079.D
Acq: 25 Oct 2019 21:44

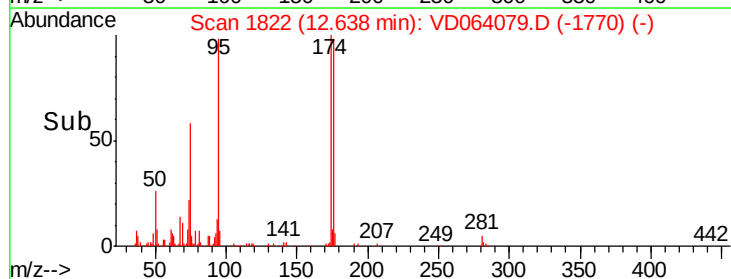
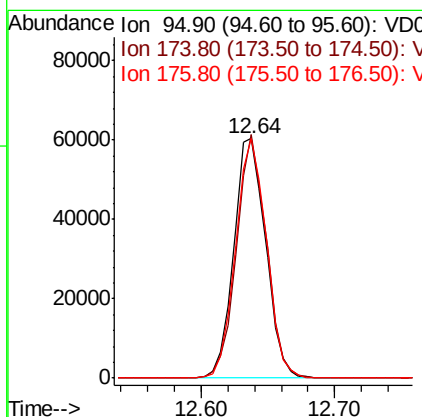
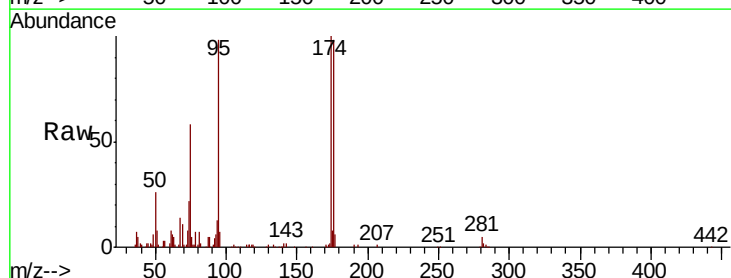
Instrument :
MSVOA_D
ClientSampleId :

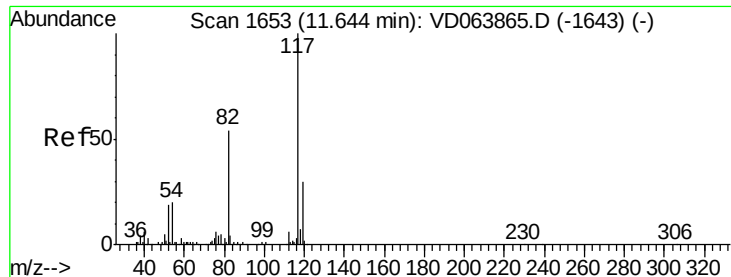
Tot Ion: 98 Resp: 350000
Ion Ratio Lower Upper
98 100
100 63.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.632 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064079.D
Acq: 25 Oct 2019 21:44

Tgt Ion: 95 Resp: 99849
Ion Ratio Lower Upper
95 100
174 94.8 0.0 186.4
176 96.5 0.0 184.2

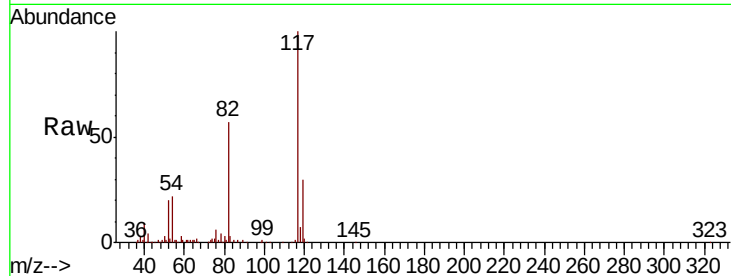




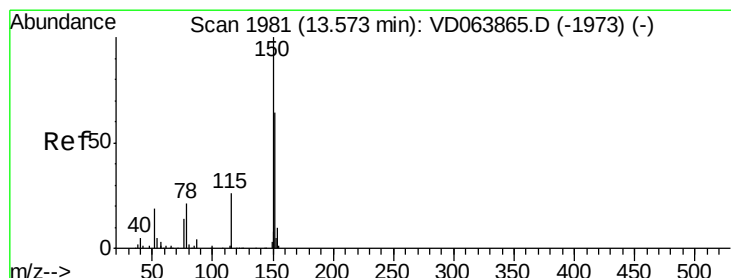
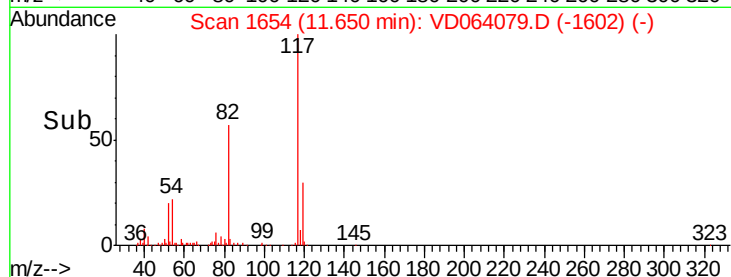
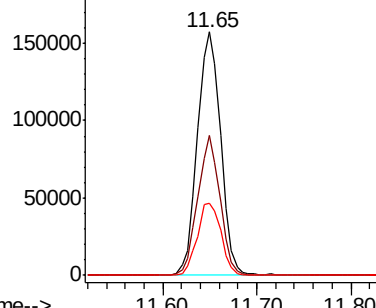
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064079.D
Acq: 25 Oct 2019 21:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 270722
Ion Ratio Lower Upper
117 100
82 57.5 42.8 64.2
119 29.6 24.4 36.6

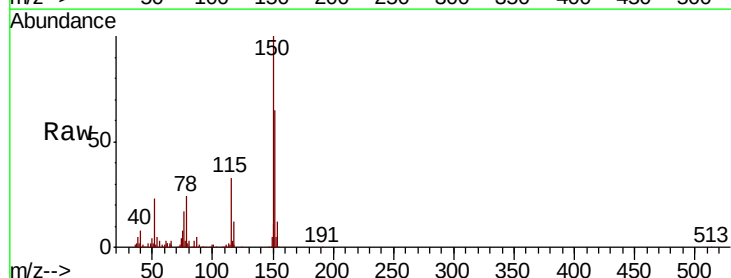


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

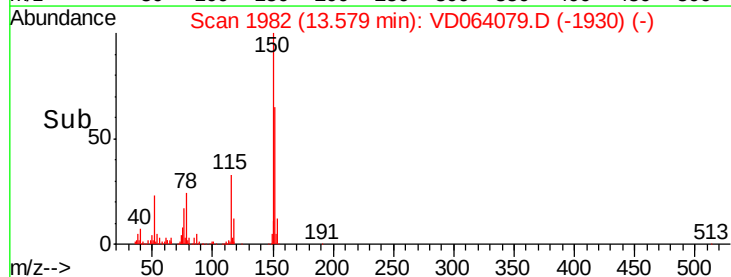
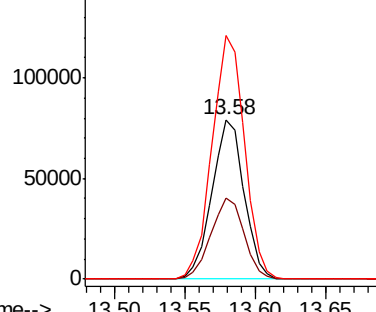


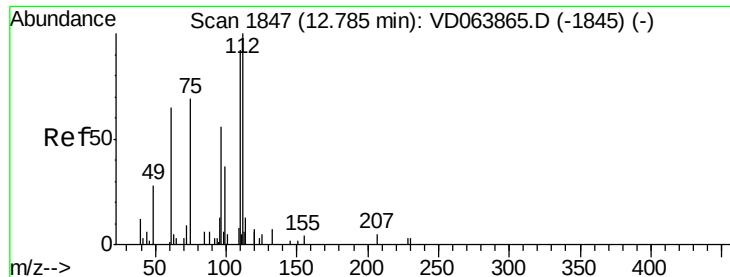
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064079.D
Acq: 25 Oct 2019 21:44

Tgt Ion:152 Resp: 126560
Ion Ratio Lower Upper
152 100
115 52.4 25.9 77.7
150 154.4 0.0 344.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 67.874 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064079.D

Acq: 25 Oct 2019 21:44

Instrument :

MSVOA_D

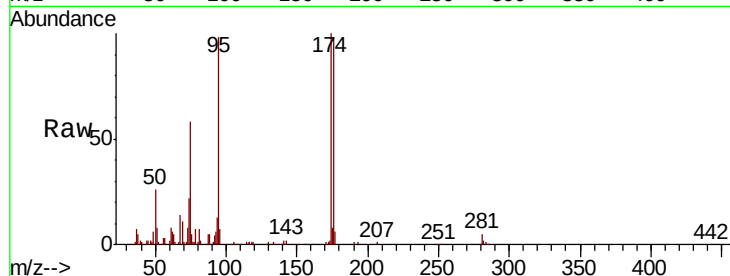
ClientSampleId :

Tot Ion: 75 Resp: 57534

Ion Ratio Lower Upper

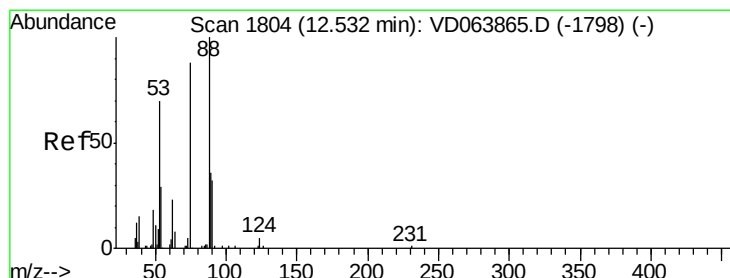
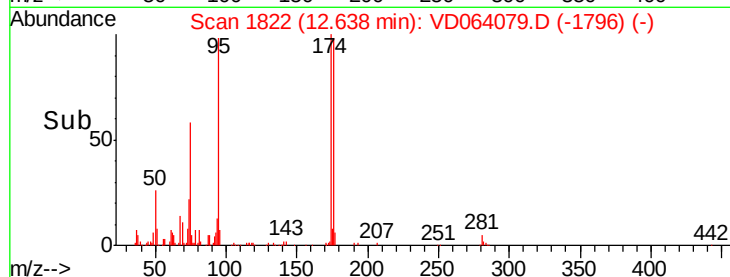
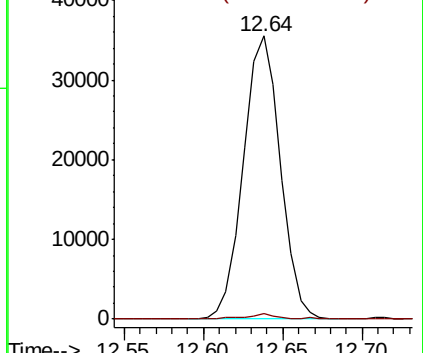
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 120.109 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064079.D

Acq: 25 Oct 2019 21:44

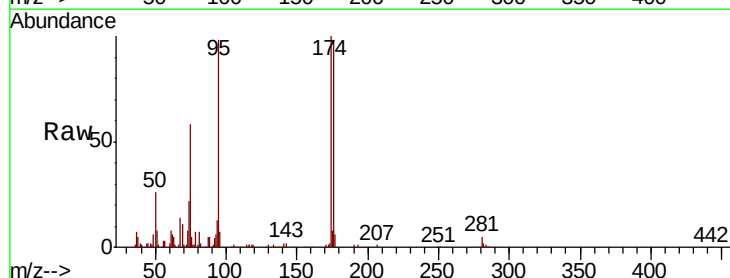
Tgt Ion: 75 Resp: 57534

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

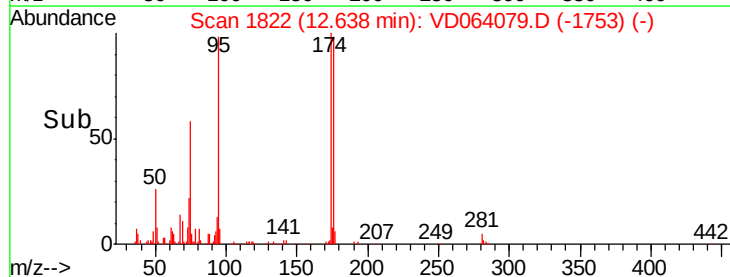
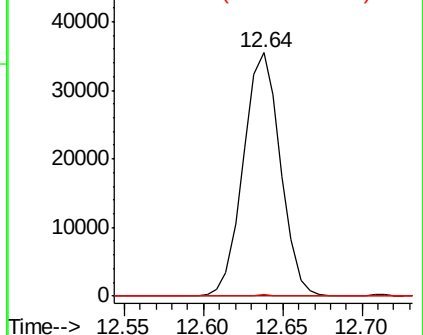
89 0.2 38.2 57.4#

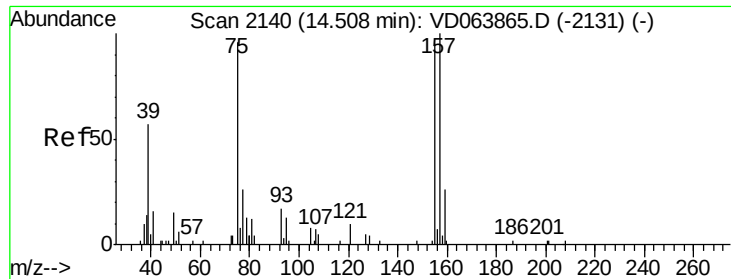


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.50 min Scan# 2138

Delta R.T. -0.01 min

Lab File: VD064079.D

Acq: 25 Oct 2019 21:44

Instrument :

MSVOA_D

ClientSampleId :

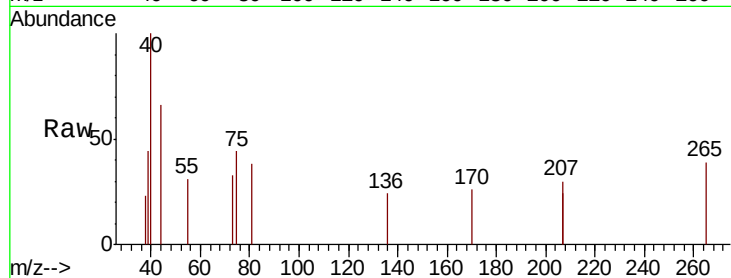
Tot Ion: 75 Resp: 110

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

