

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064070.D
 Acq On : 25 Oct 2019 17:30
 Operator : VA/SY
 Sample : K5541-06
 Misc : 4.81G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:06:02 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	7.98	168	143777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	258974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	262199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	111558	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	78681	56.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.42%	
35) Dibromofluoromethane	7.92	113	79891	50.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.96%	
50) Toluene-d8	10.34	98	348746	54.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.58%	
62) 4-Bromofluorobenzene	12.64	95	94767	42.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.90%	

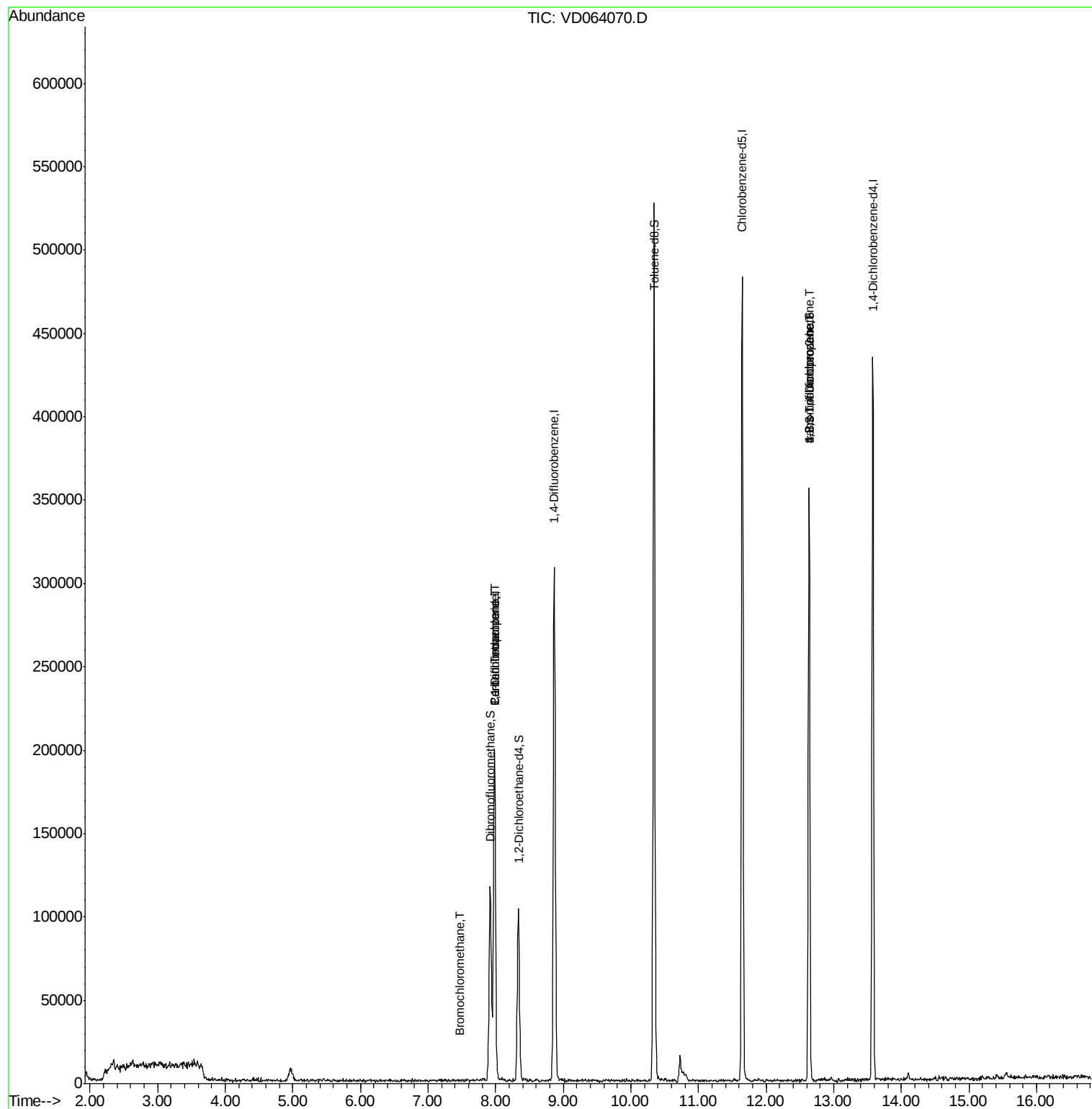
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	311	Below Cal	#	55
11) Tert butyl alcohol	5.14	59	58	Below Cal	#	1
28) Bromochloromethane	7.47	49	58	1.922	ug/l #	10
31) Cyclohexane	7.98	56	4355	Below Cal	#	58
36) 1,1-Dichloropropene	7.98	75	12384	5.230	ug/l #	46
37) Ethyl Acetate	7.30	43	143	Below Cal	#	28
38) Carbon Tetrachloride	7.98	117	14910	6.231	ug/l #	20
76) 1,2,3-Trichloropropane	12.64	75	56826	76.054	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	56826	134.584	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.52	75	132	Below Cal	#	1

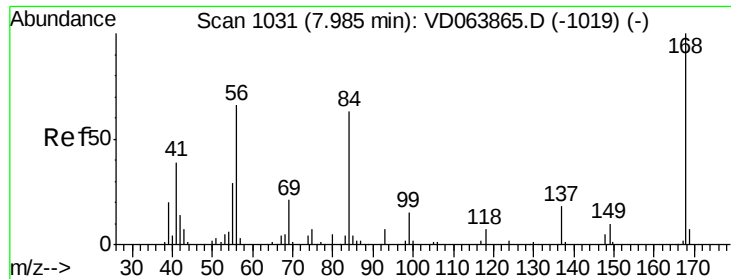
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102519\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
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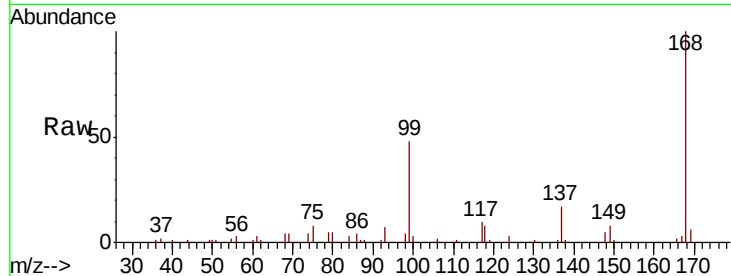




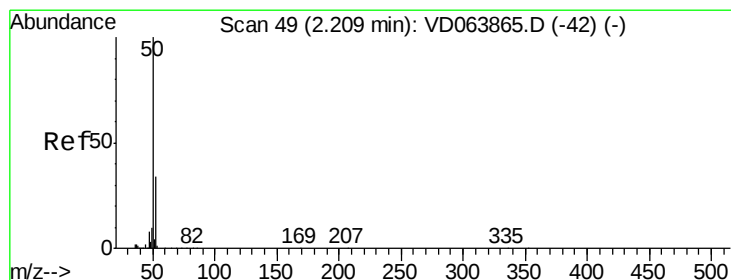
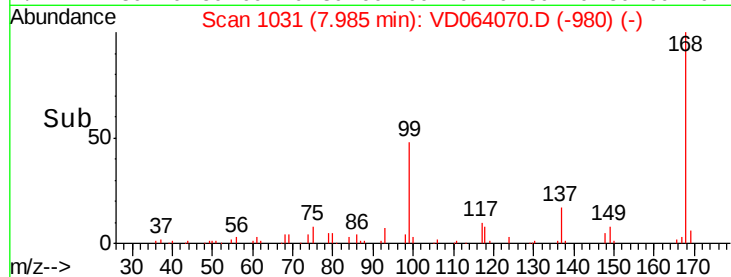
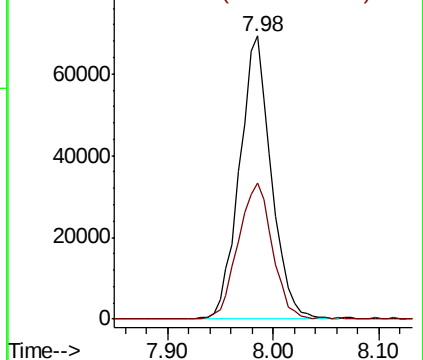
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064070.D
Acq: 25 Oct 2019 17:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 143777
Ion Ratio Lower Upper
168 100
99 47.9 43.0 64.4

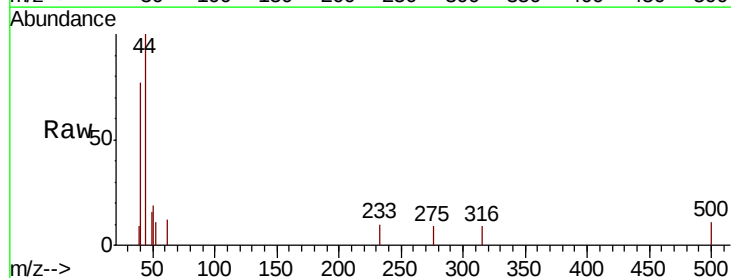


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

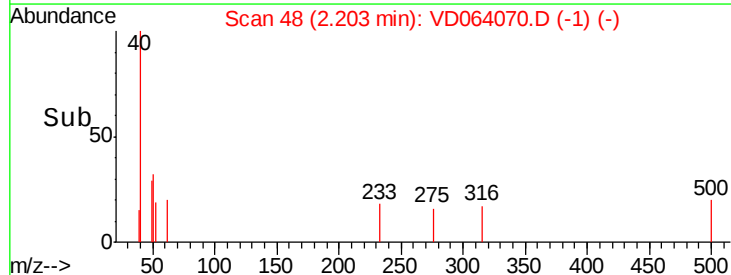
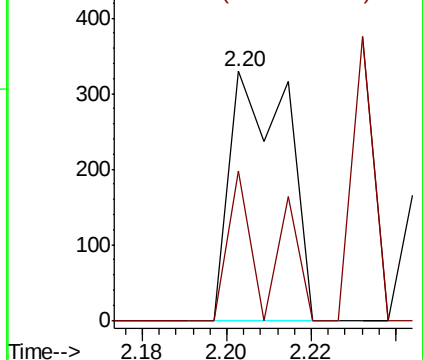


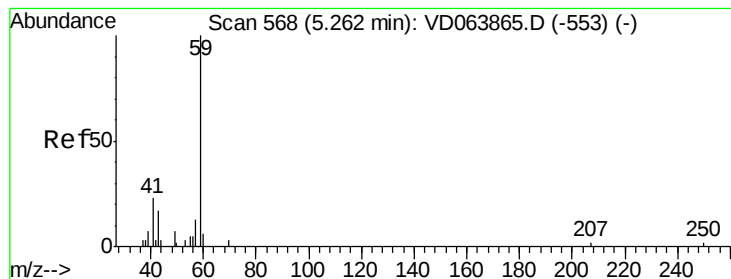
#3
Chloromethane
Concen: Below Cal
RT: 2.20 min Scan# 48
Delta R.T. -0.01 min
Lab File: VD064070.D
Acq: 25 Oct 2019 17:30

Tgt Ion: 50 Resp: 311
Ion Ratio Lower Upper
50 100
52 60.2 27.5 41.3#



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



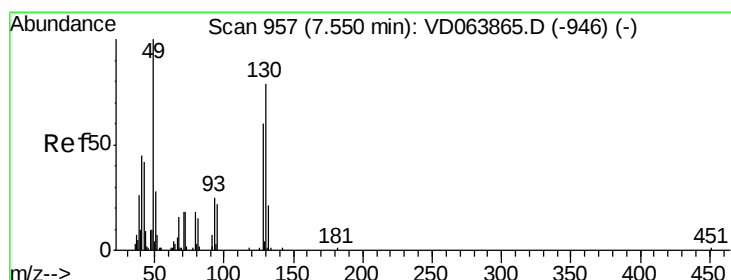
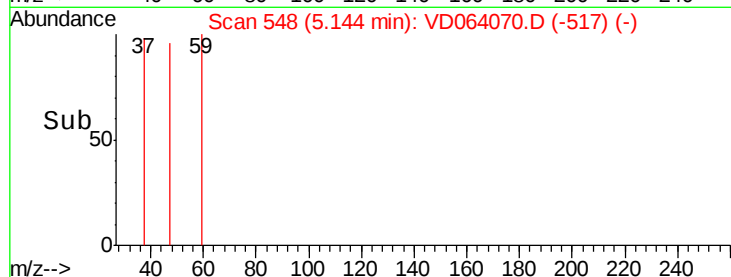
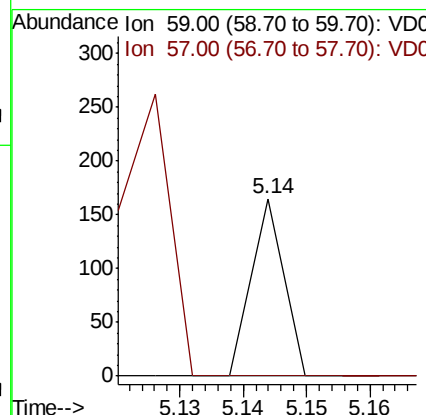
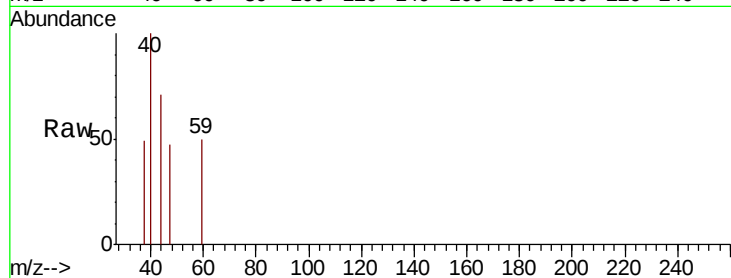


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.14 min Scan# 548
 Delta R.T. -0.12 min
 Lab File: VD064070.D
 Acq: 25 Oct 2019 17:30

Instrument :
 MSVOA_D
 ClientSampled :

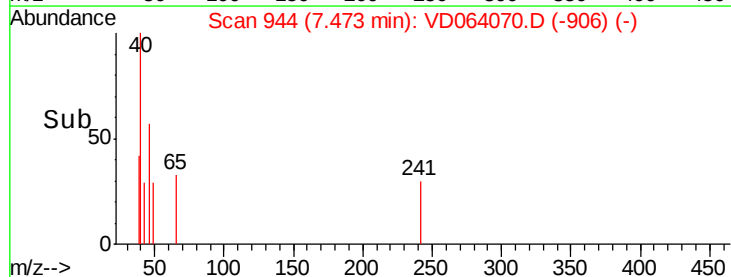
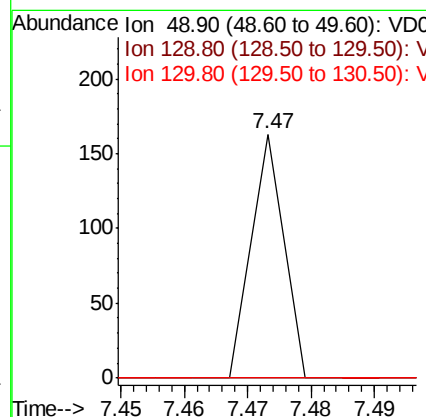
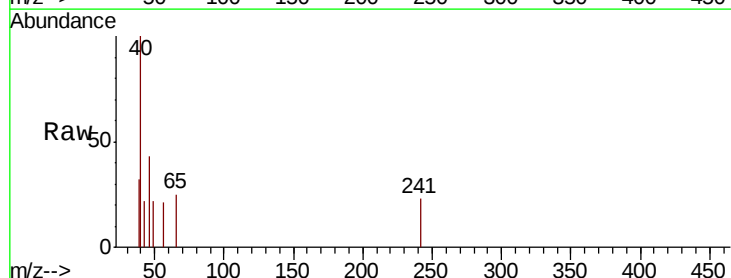
Tot Ion: 59 Resp: 58
 Ion Ratio Lower Upper
 59 100
 57 253.4 8.8 13.2#

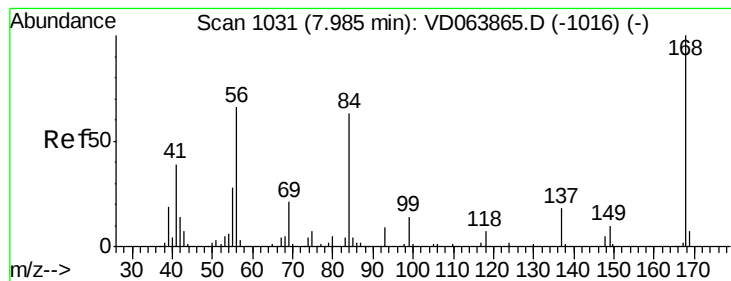


#28

Bromochloromethane
 Concen: 1.922 ug/l
 RT: 7.47 min Scan# 944
 Delta R.T. -0.08 min
 Lab File: VD064070.D
 Acq: 25 Oct 2019 17:30

Tgt Ion: 49 Resp: 58
 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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

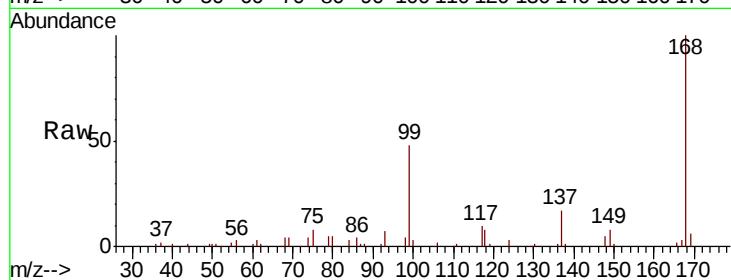
Lab File: VD064070.D

Acq: 25 Oct 2019 17:30

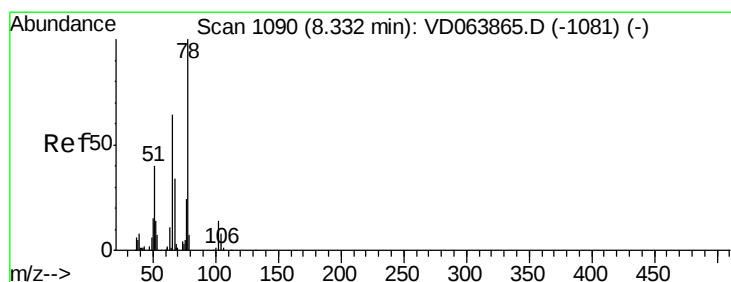
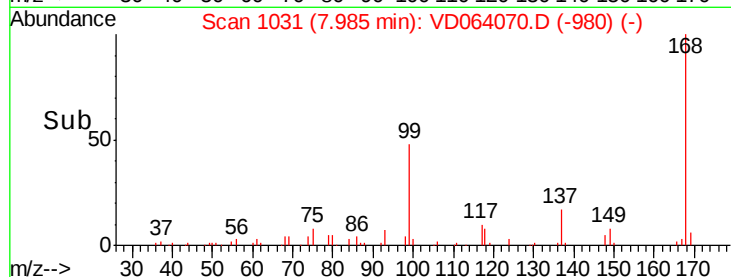
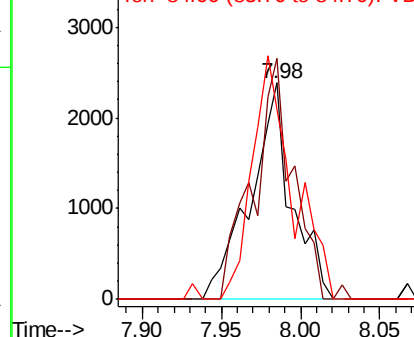
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 4355

Ion	Ratio	Lower	Upper
56	100		
69	111.7	25.0	37.4#
84	88.1	76.3	114.5



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 56.210 ug/l

RT: 8.34 min Scan# 1091

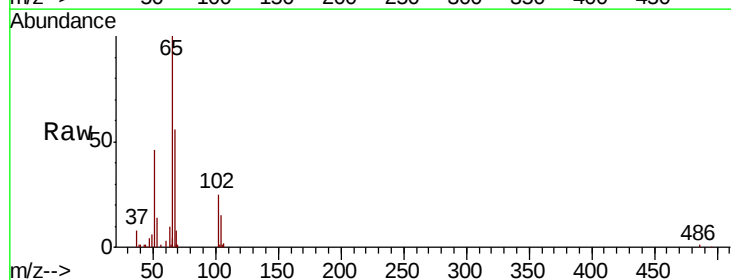
Delta R.T. 0.01 min

Lab File: VD064070.D

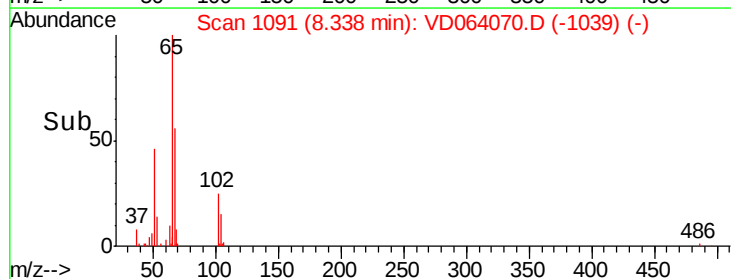
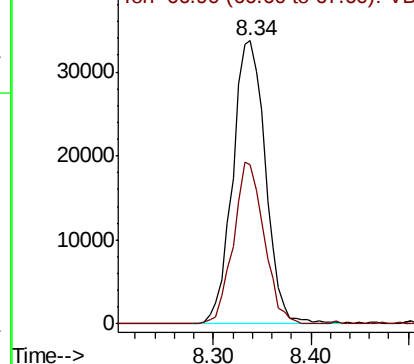
Acq: 25 Oct 2019 17:30

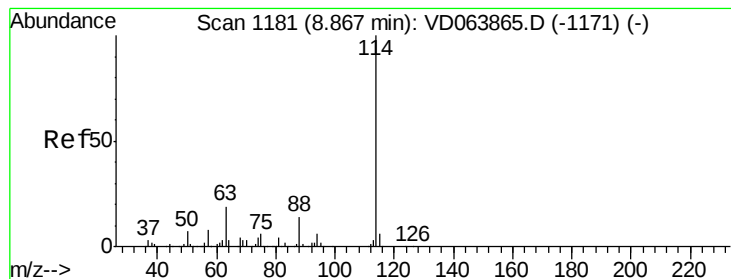
Tgt Ion: 65 Resp: 78681

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064070.D

Acq: 25 Oct 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

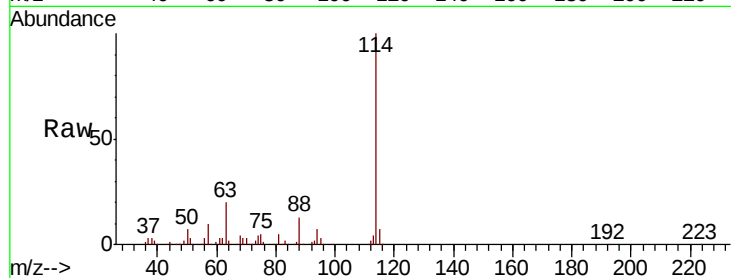
Tot Ion:114 Resp: 258974

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

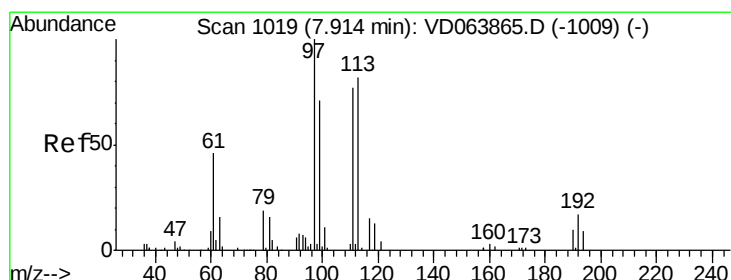
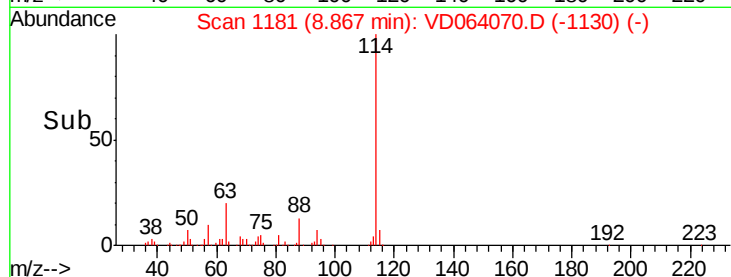
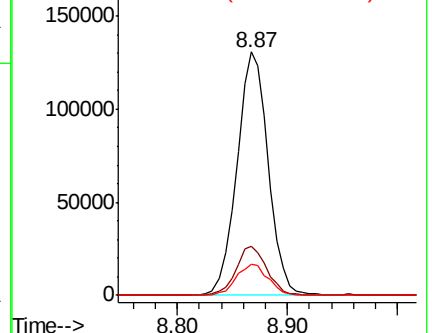
88 12.6 0.0 27.4



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: 50.479 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD064070.D

Acq: 25 Oct 2019 17:30

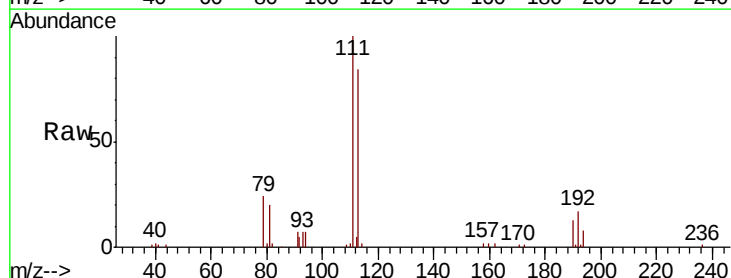
Tgt Ion:113 Resp: 79891

Ion Ratio Lower Upper

113 100

111 101.2 82.6 123.8

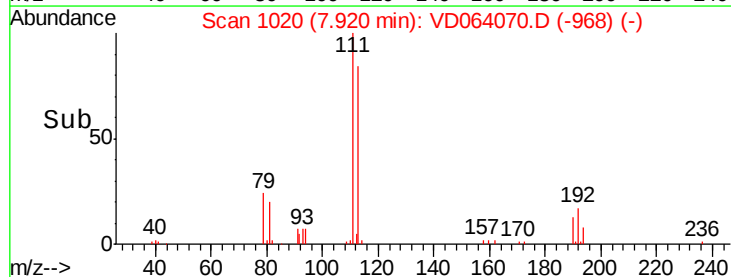
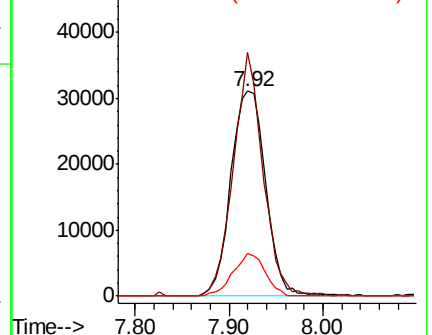
192 19.1 17.1 25.7

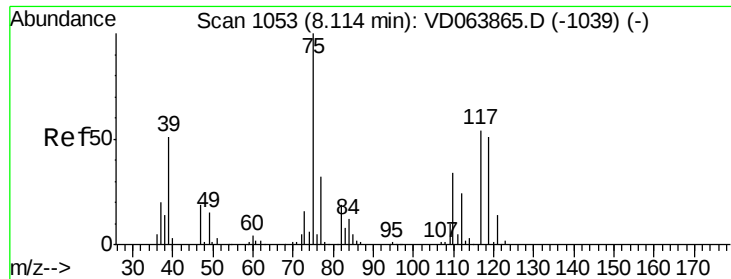


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.230 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064070.D

Acq: 25 Oct 2019 17:30

Instrument :
MSVOA_D
ClientSampleId :

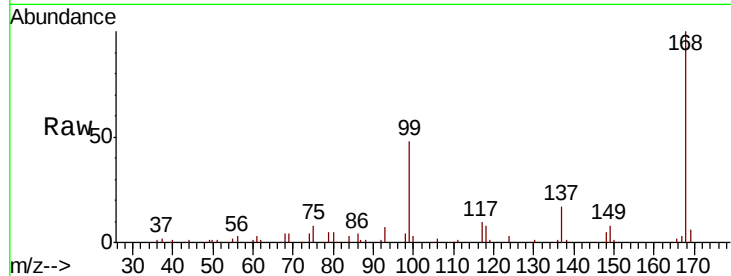
Tot Ion: 75 Resp: 12384

Ion Ratio Lower Upper

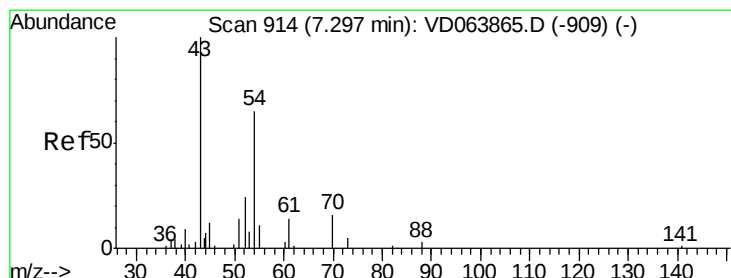
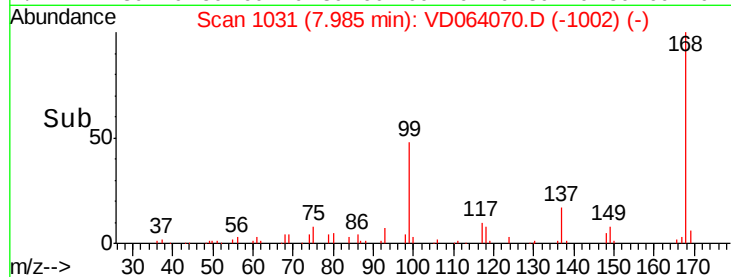
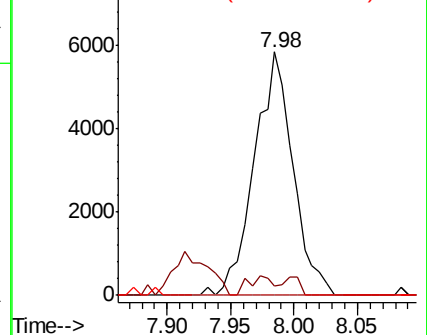
75 100

110 4.9 17.4 52.3#

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: Below Cal

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD064070.D

Acq: 25 Oct 2019 17:30

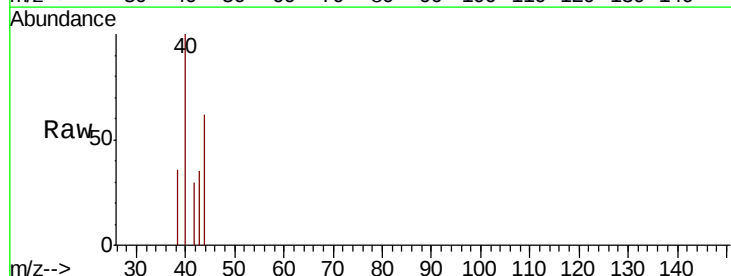
Tgt Ion: 43 Resp: 143

Ion Ratio Lower Upper

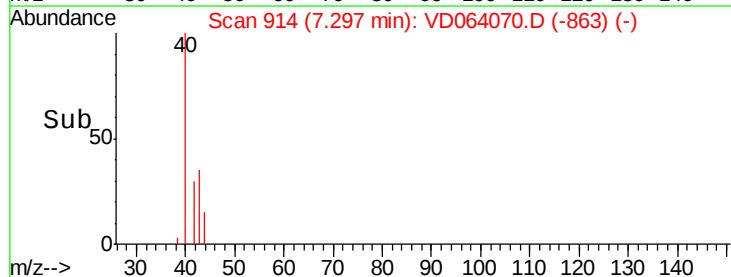
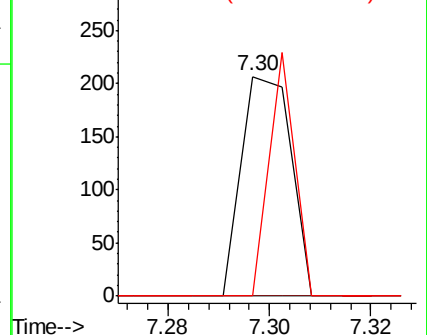
43 100

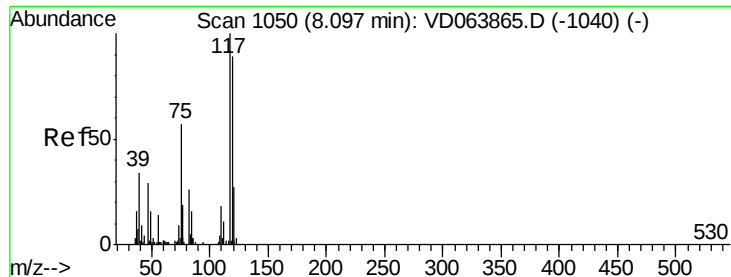
61 0.0 11.5 17.3#

70 56.6 8.2 12.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

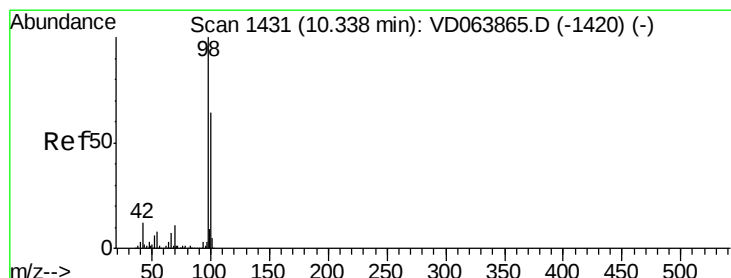
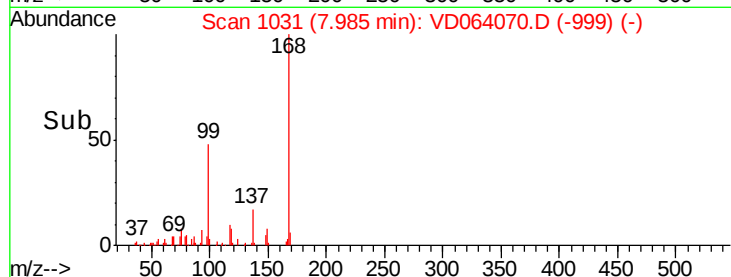
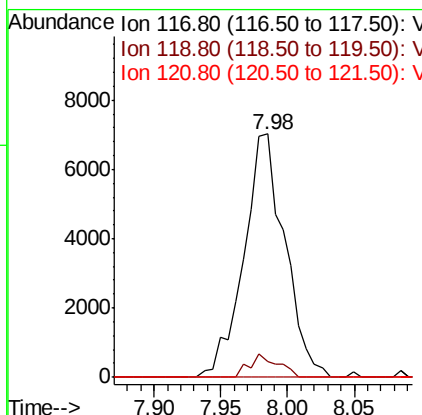
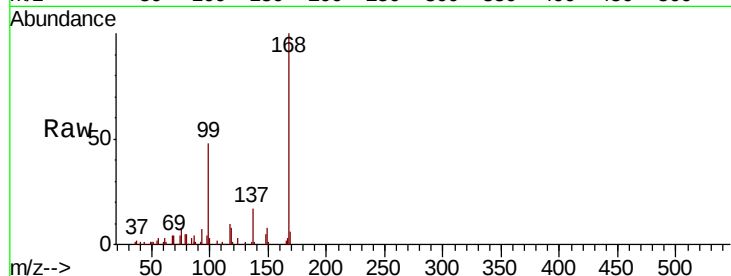




#38
Carbon Tetrachloride
Concen: 6.231 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064070.D
Acq: 25 Oct 2019 17:30

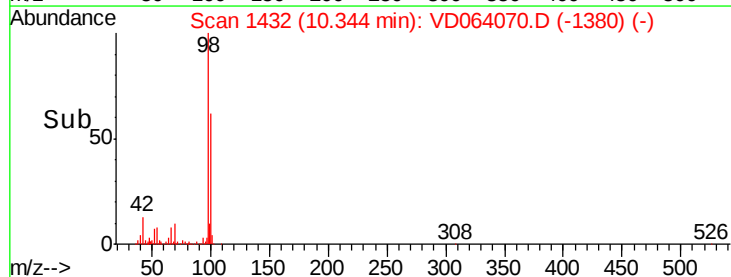
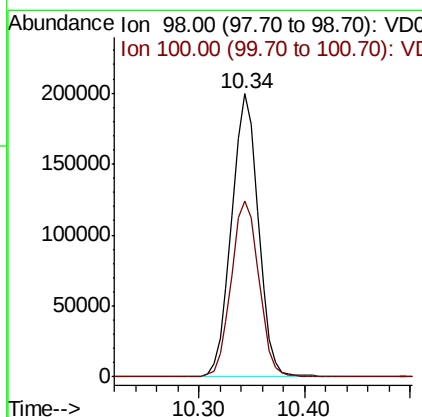
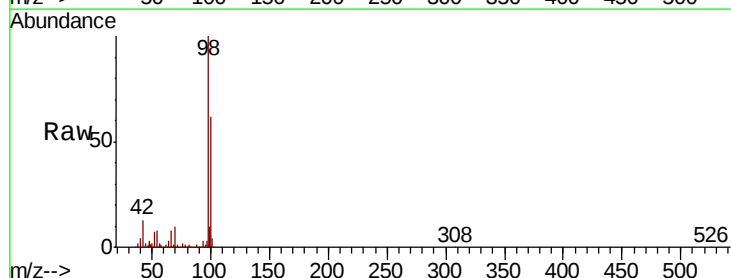
Instrument :
MSVOA_D
ClientSampleId :

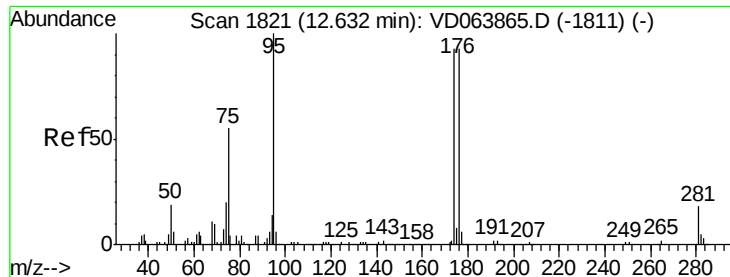
Tot Ion:117 Resp: 14910
Ion Ratio Lower Upper
117 100
119 6.5 70.8 106.2#
121 0.0 21.4 32.0#



#50
Toluene-d8
Concen: 54.290 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064070.D
Acq: 25 Oct 2019 17:30

Tgt Ion: 98 Resp: 348746
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1

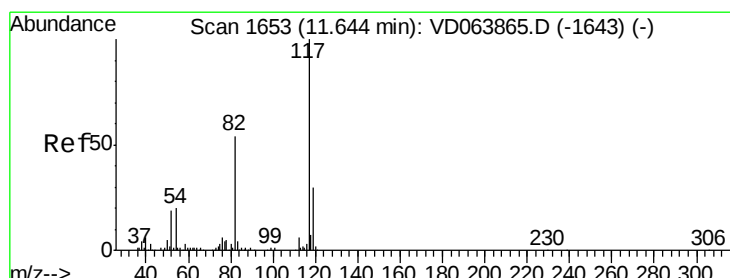
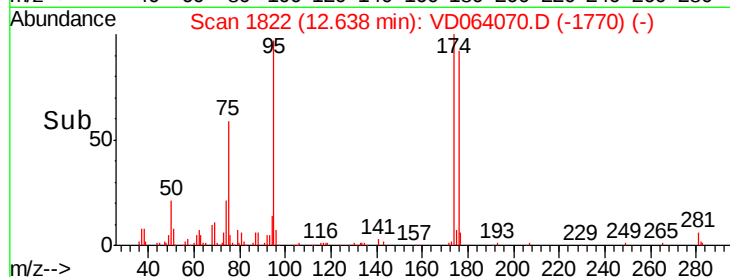
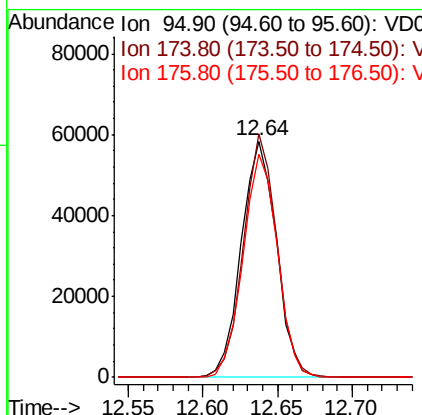
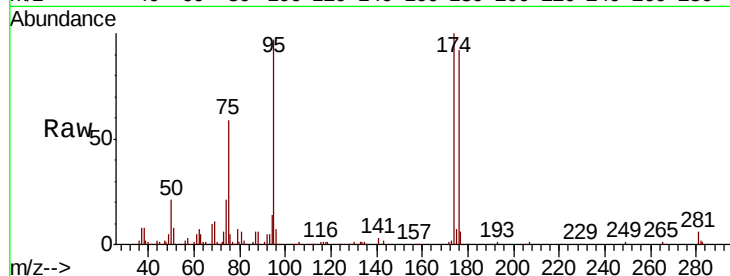




#62
4-Bromofluorobenzene
Concen: 42.453 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064070.D
Acq: 25 Oct 2019 17:30

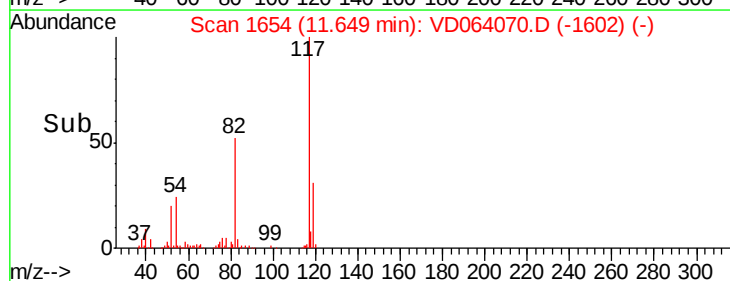
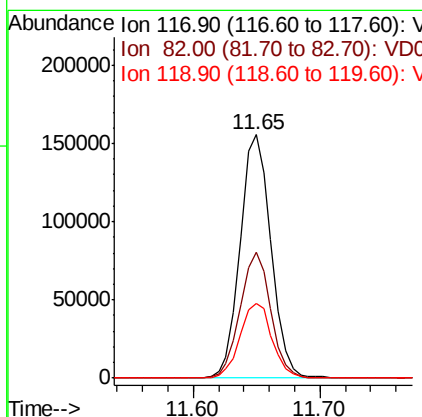
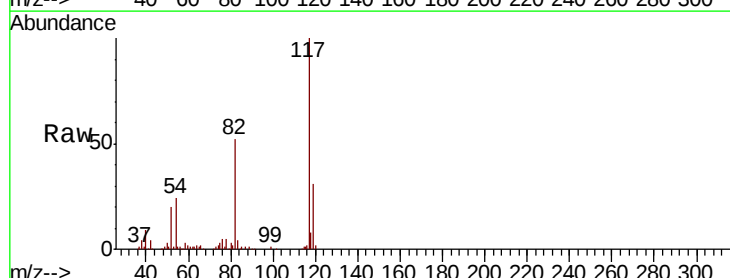
Instrument :
MSVOA_D
ClientSampleId :

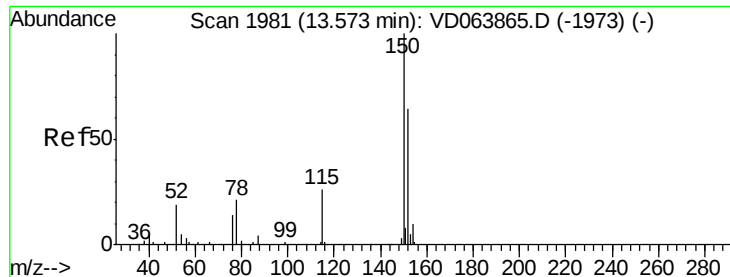
Tot Ion: 95 Resp: 94767
Ion Ratio Lower Upper
95 100
174 98.0 0.0 186.4
176 92.6 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064070.D
Acq: 25 Oct 2019 17:30

Tgt Ion: 117 Resp: 262199
Ion Ratio Lower Upper
117 100
82 51.9 42.8 64.2
119 30.6 24.4 36.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064070.D

Acq: 25 Oct 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

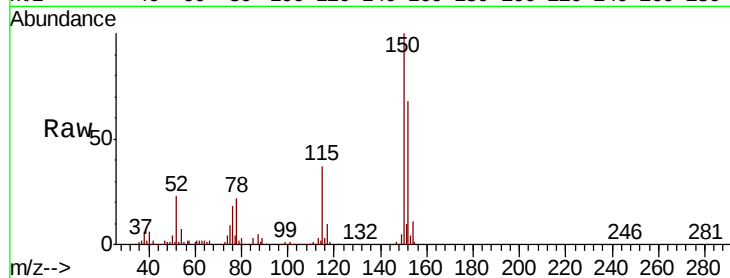
Tot Ion:152 Resp: 111558

Ion Ratio Lower Upper

152 100

115 53.0 25.9 77.7

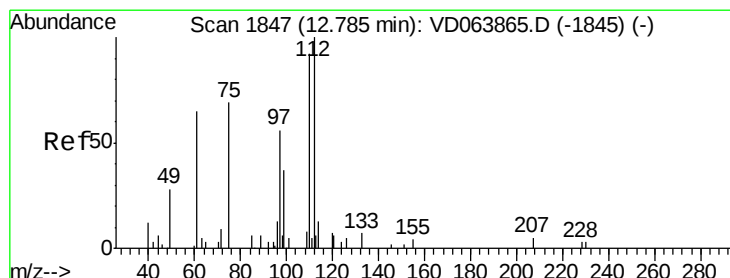
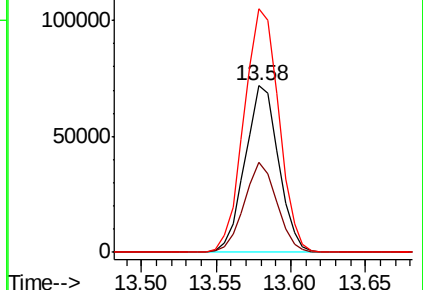
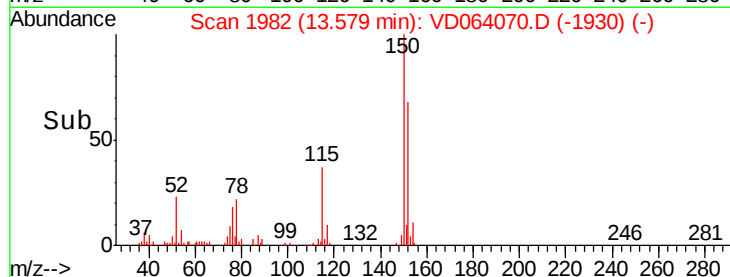
150 152.0 0.0 344.2



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: 76.054 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064070.D

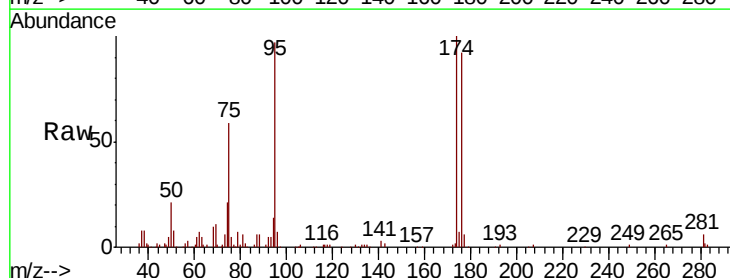
Acq: 25 Oct 2019 17:30

Tgt Ion: 75 Resp: 56826

Ion Ratio Lower Upper

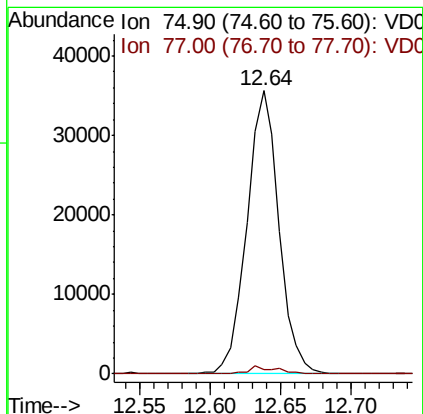
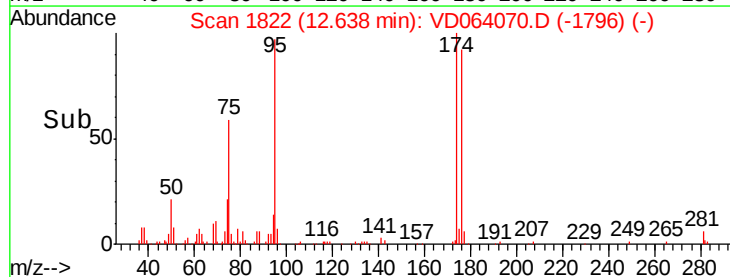
75 100

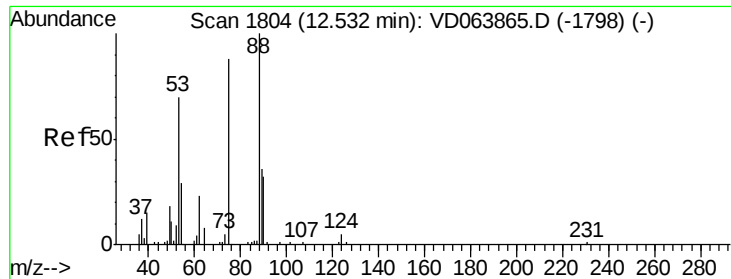
77 2.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 134.584 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064070.D

Acq: 25 Oct 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

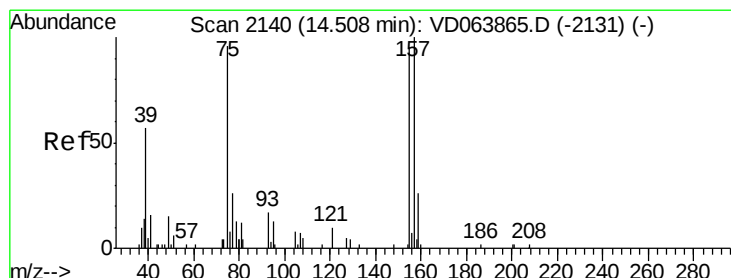
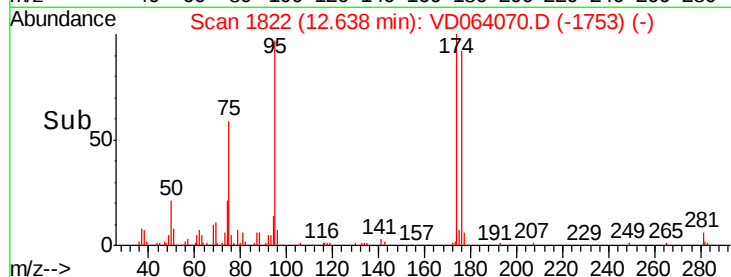
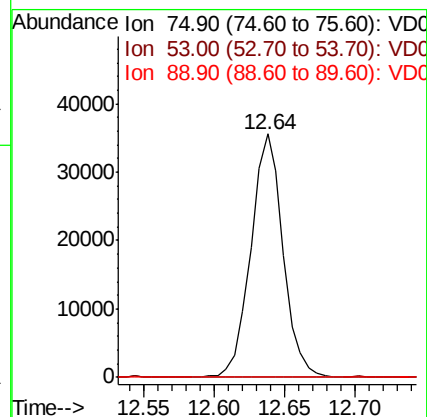
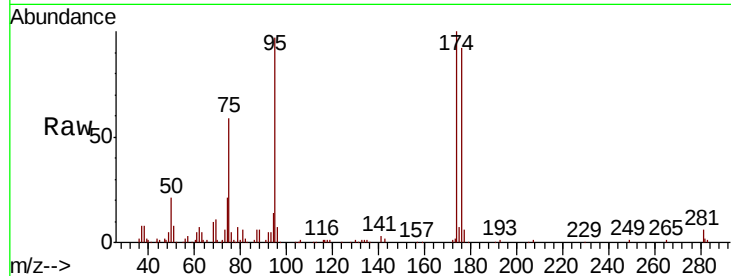
Tot Ion: 75 Resp: 56826

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

89 0.0 38.2 57.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD064070.D

Acq: 25 Oct 2019 17:30

Tgt Ion: 75 Resp: 132

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#

