

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064073.D
 Acq On : 25 Oct 2019 18:55
 Operator : VA/SY
 Sample : K5541-12
 Misc : 10.51G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:06:35 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	143762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	251583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	260197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	121790	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	74173	52.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.98%	
35) Dibromofluoromethane	7.93	113	76641	49.85	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	99.70%	
50) Toluene-d8	10.34	98	333573	53.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.90%	
62) 4-Bromofluorobenzene	12.64	95	100822	46.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.98%	

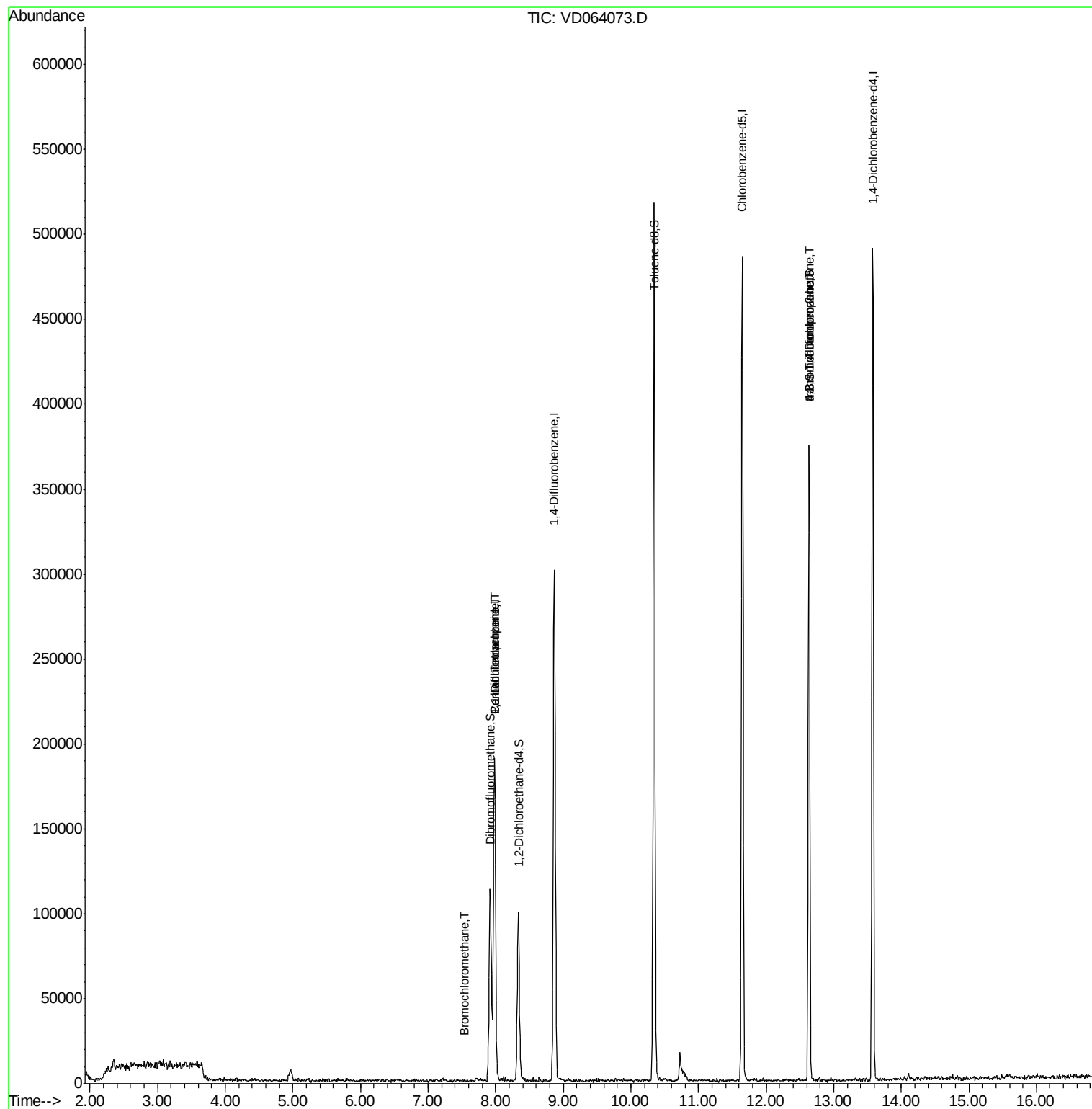
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	503	Below Cal	#	1
11) Tert butyl alcohol	5.31	59	60	Below Cal	#	71
20) Methylene Chloride	4.96	84	4299	Below Cal		90
28) Bromochloromethane	7.54	49	66	1.930	ug/l #	10
31) Cyclohexane	7.98	56	3924	Below Cal	#	46
36) 1,1-Dichloropropene	7.98	75	12396	5.389	ug/l #	46
37) Ethyl Acetate	7.27	43	216	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	14649	6.302	ug/l #	21
76) 1,2,3-Trichloropropane	12.64	75	56779	69.606	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	56779	123.175	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.53	75	61	Below Cal	#	1

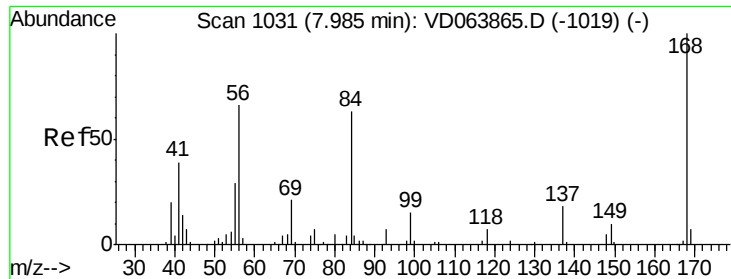
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102519\
Data File : VD064073.D
Acq On : 25 Oct 2019 18:55
Operator : VA/SY
Sample : K5541-12
Misc : 10.51G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 26 00:06:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064073.D

Acq: 25 Oct 2019 18:55

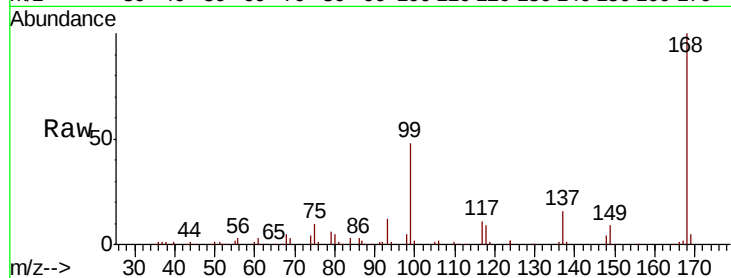
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 143762

Ion Ratio Lower Upper

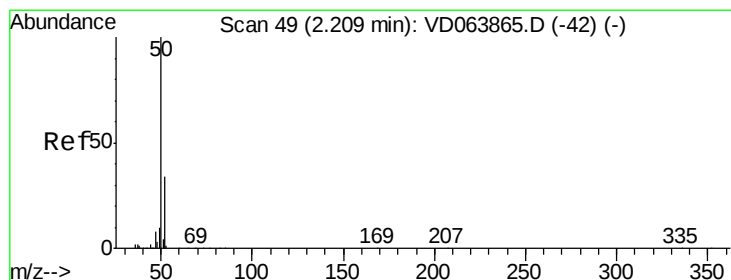
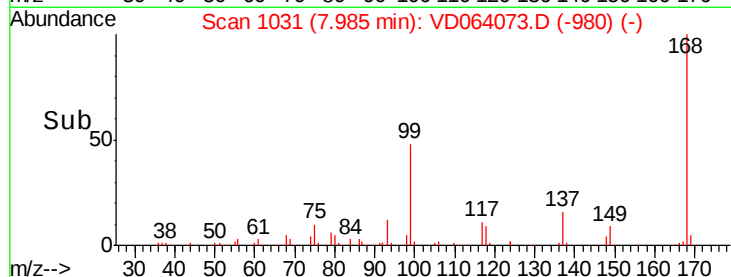
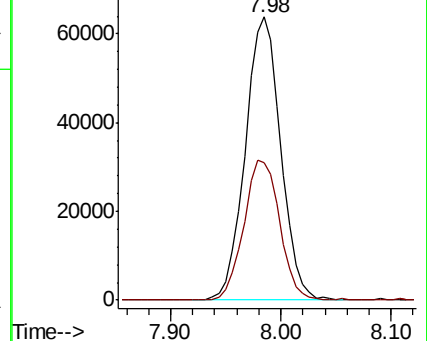
168 100

99 48.5 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: VD064073.D

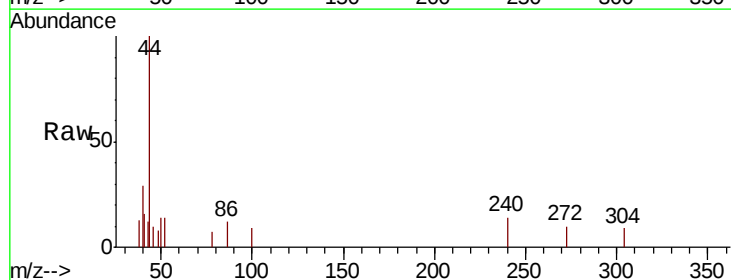
Acq: 25 Oct 2019 18:55

Tgt Ion: 50 Resp: 503

Ion Ratio Lower Upper

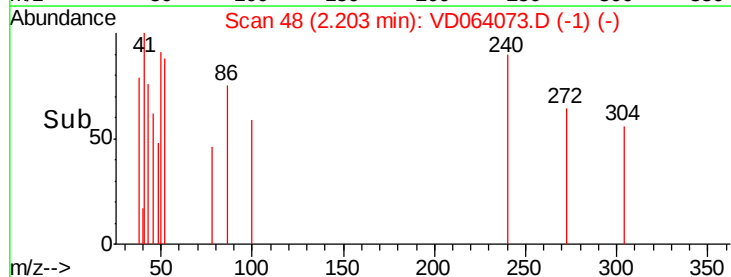
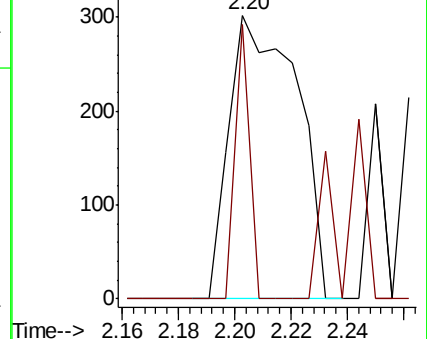
50 100

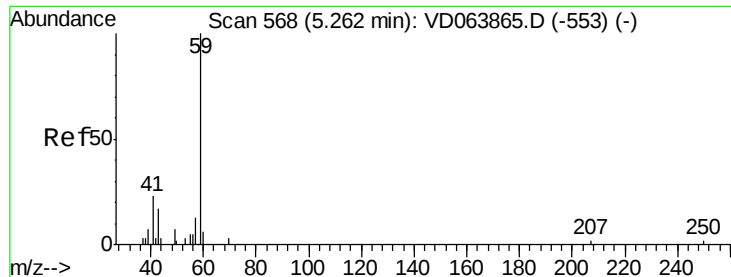
52 97.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



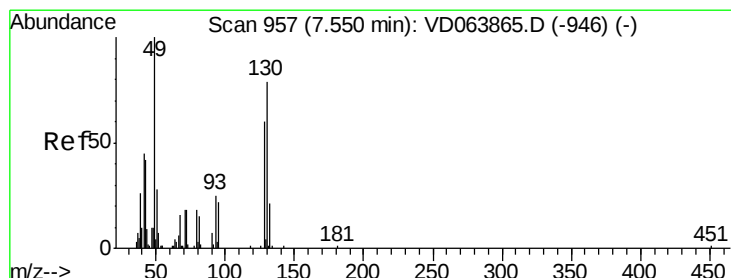
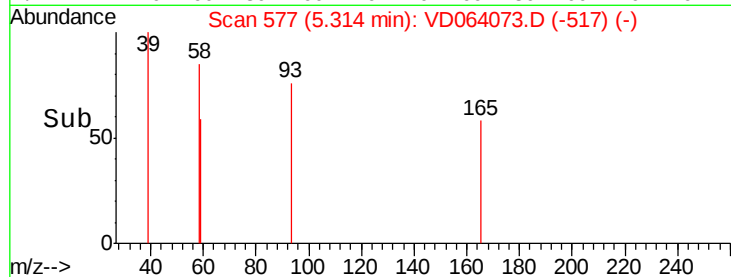
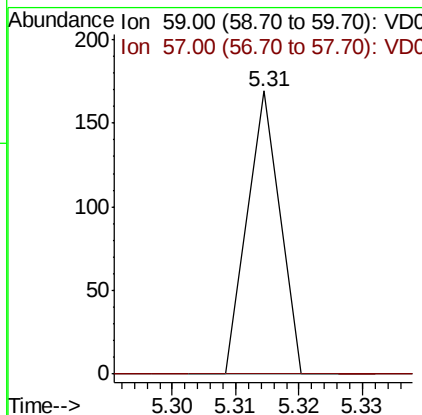
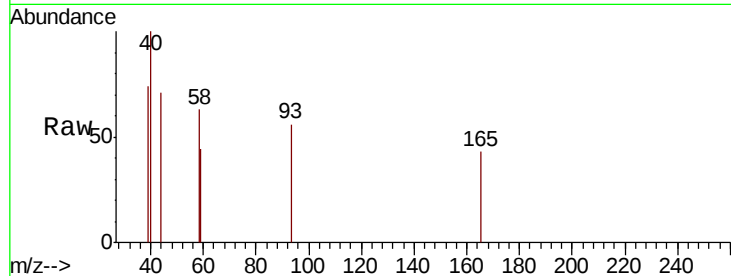


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.31 min Scan# 577
 Delta R.T. 0.05 min
 Lab File: VD064073.D
 Acq: 25 Oct 2019 18:55

Instrument :
 MSVOA_D
 ClientSampleId :

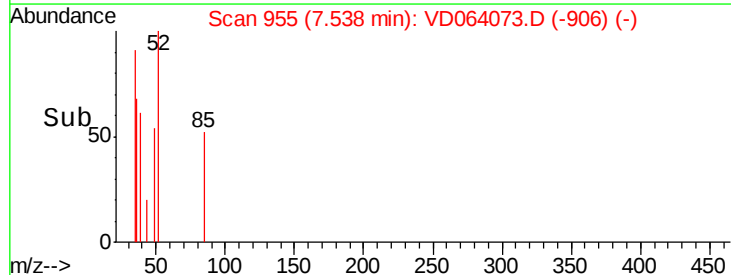
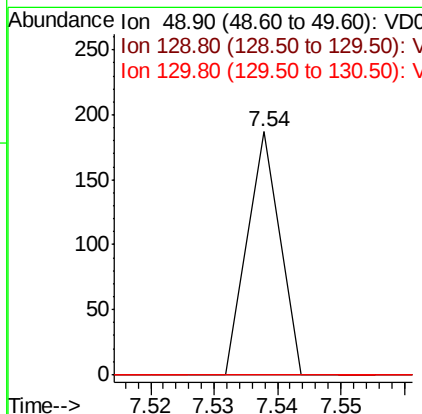
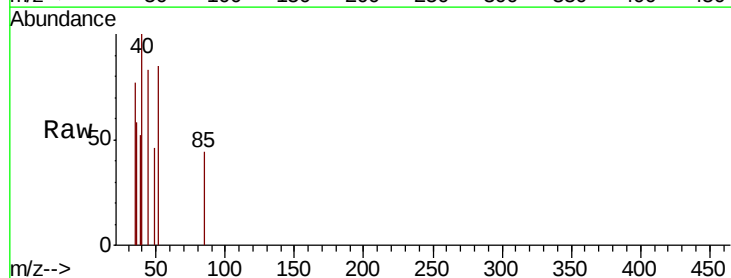
Tot Ion: 59 Resp: 60
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

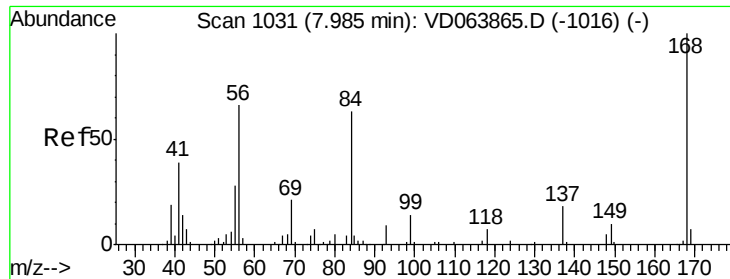


#28

Bromochloromethane
 Concen: 1.930 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD064073.D
 Acq: 25 Oct 2019 18:55

Tgt Ion: 49 Resp: 66
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.6
 130 0.0 66.8 100.2#

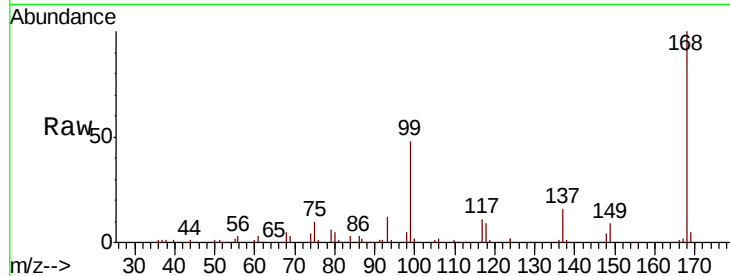




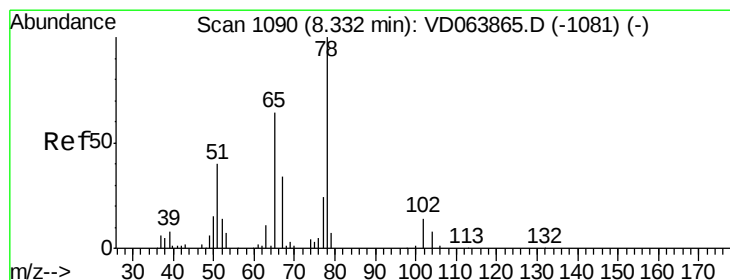
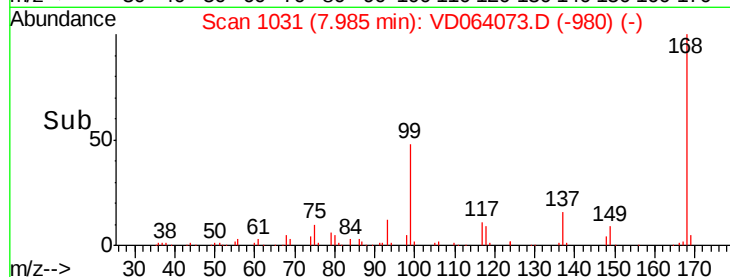
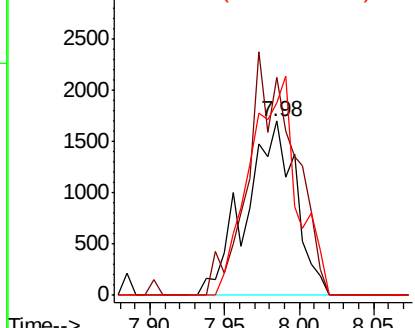
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064073.D
Acq: 25 Oct 2019 18:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 3924
Ion Ratio Lower Upper
56 100
69 125.4 25.0 37.4#
84 110.7 76.3 114.5

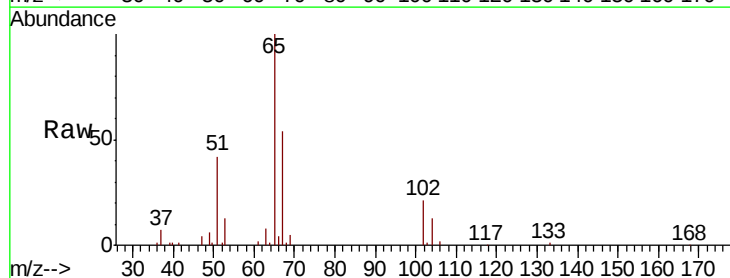


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

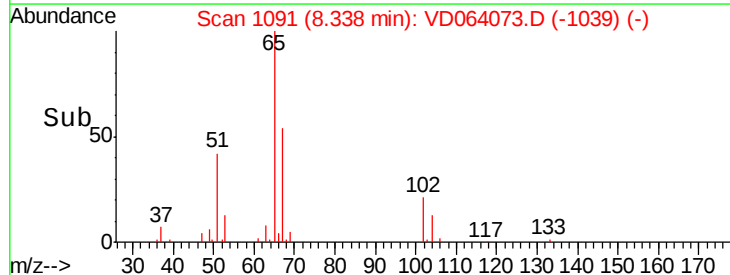
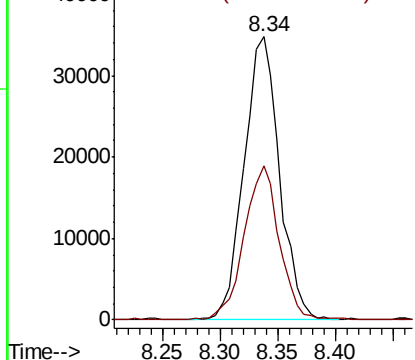


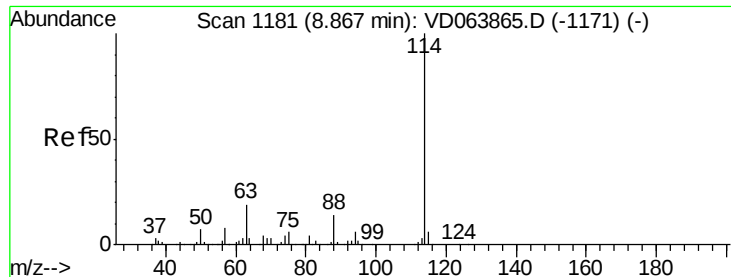
#33
1,2-Dichloroethane-d4
Concen: 52.995 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064073.D
Acq: 25 Oct 2019 18:55

Tgt Ion: 65 Resp: 74173
Ion Ratio Lower Upper
65 100
67 54.0 0.0 106.4



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

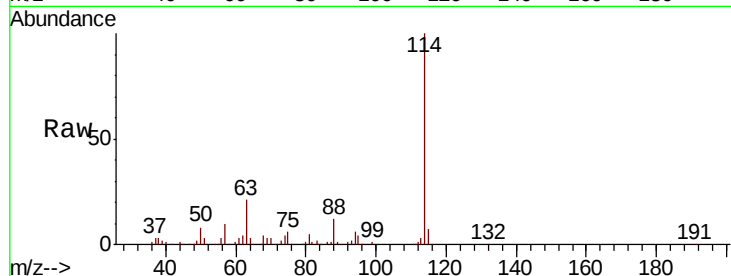




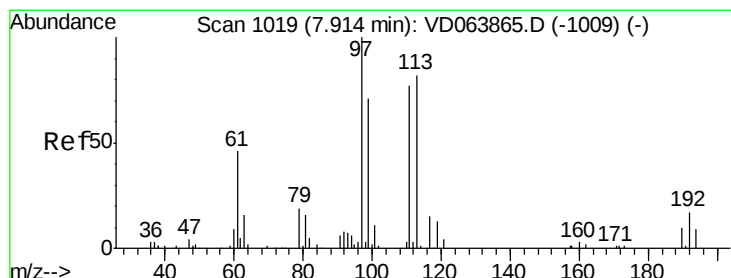
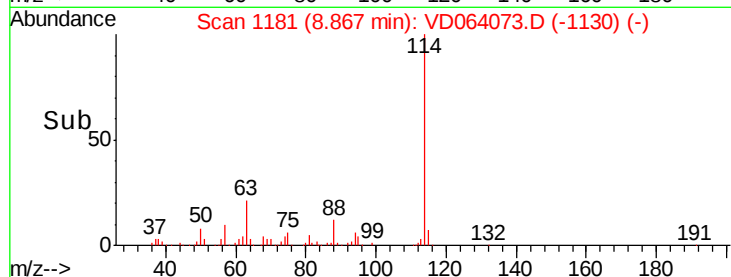
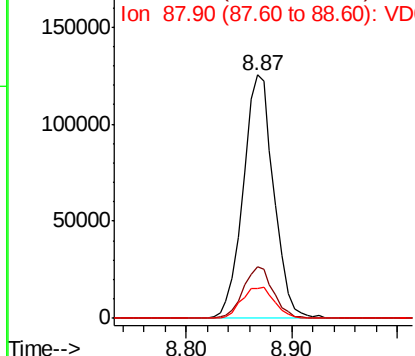
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064073.D
Acq: 25 Oct 2019 18:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	38.4
88	12.2	0.0	27.4

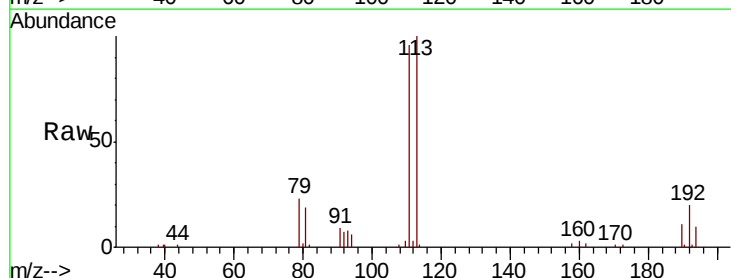


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

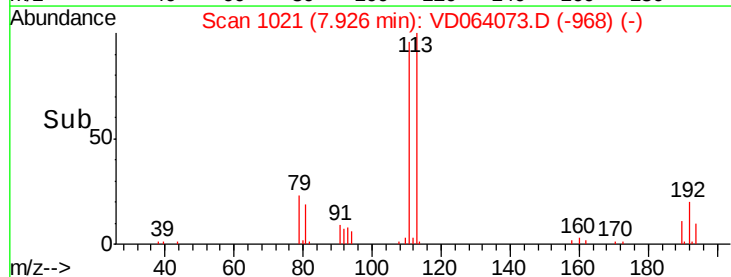
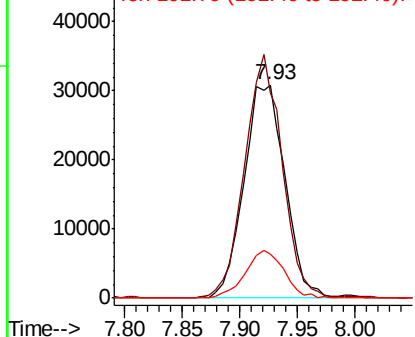


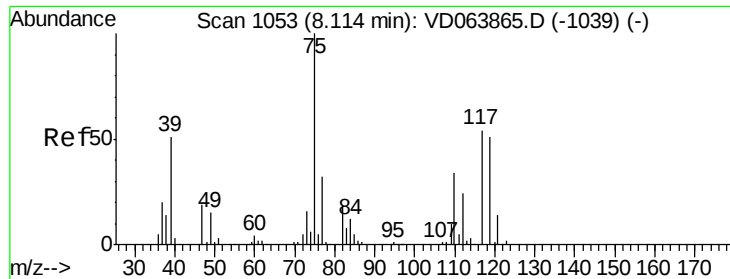
#35
Dibromofluoromethane
Concen: 49.848 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VD064073.D
Acq: 25 Oct 2019 18:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.6	123.8
192	21.0	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

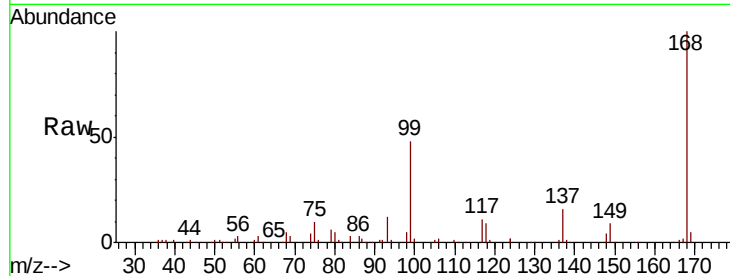




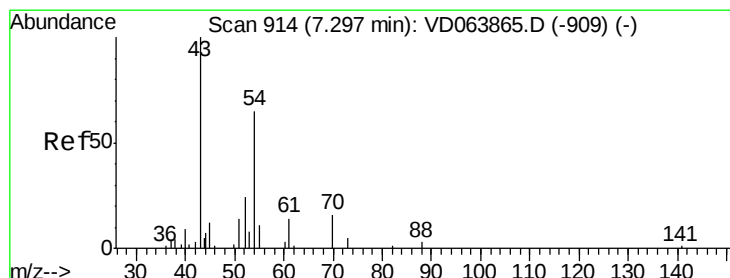
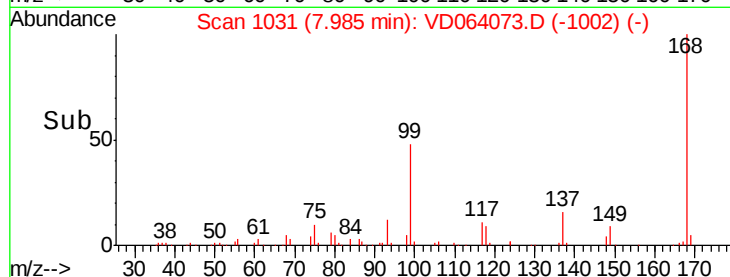
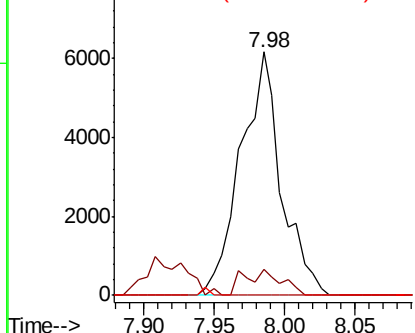
#36
 1,1-Dichloropropene
 Concen: 5.389 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064073.D
 Acq: 25 Oct 2019 18:55

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	5.7	17.4	52.3#
77	0.0	25.4	38.0#

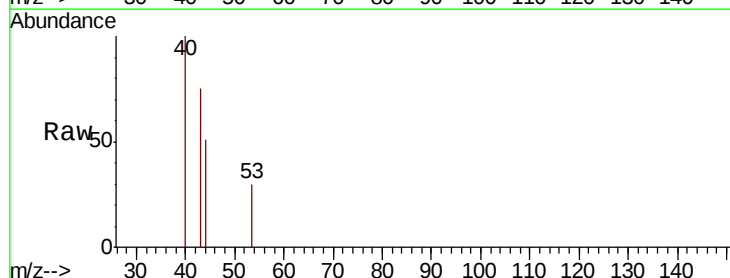


Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.90 (76.60 to 77.60): VDC

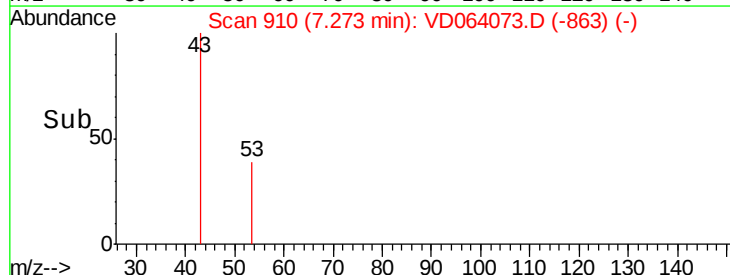
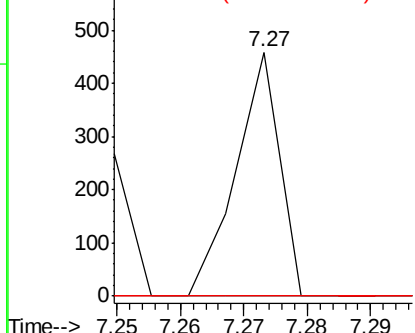


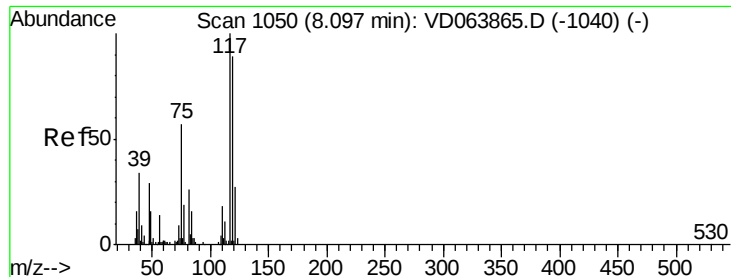
#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.27 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: VD064073.D
 Acq: 25 Oct 2019 18:55

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	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

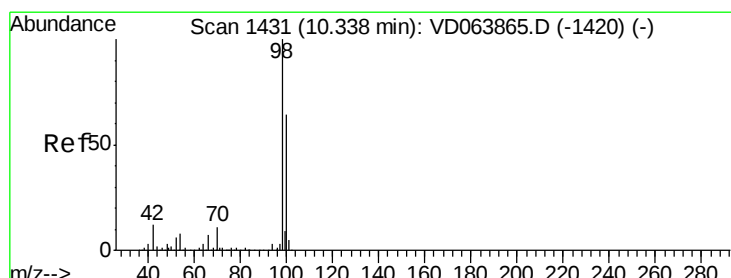
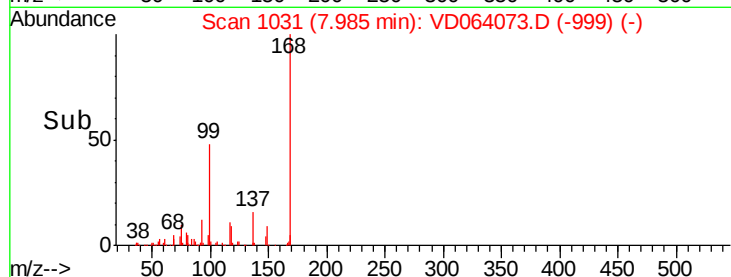
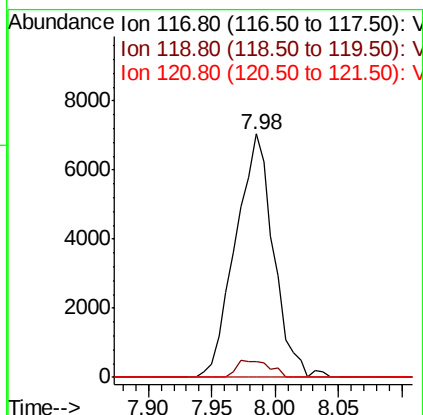
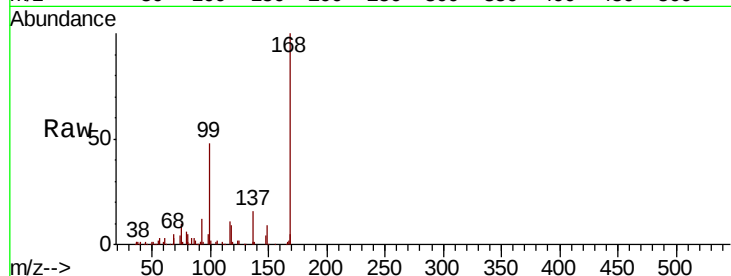




#38
Carbon Tetrachloride
Concen: 6.302 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064073.D
Acq: 25 Oct 2019 18:55

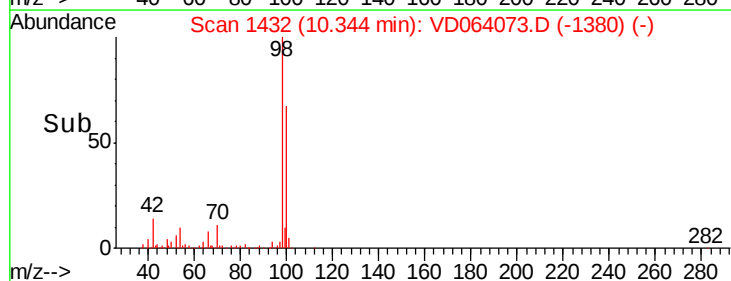
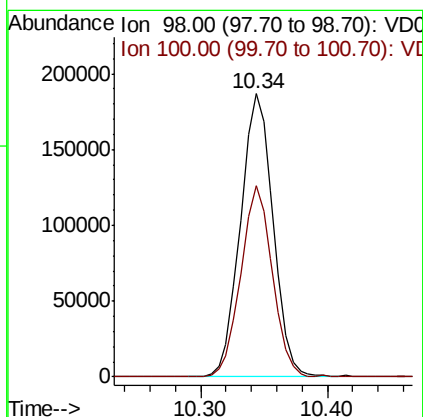
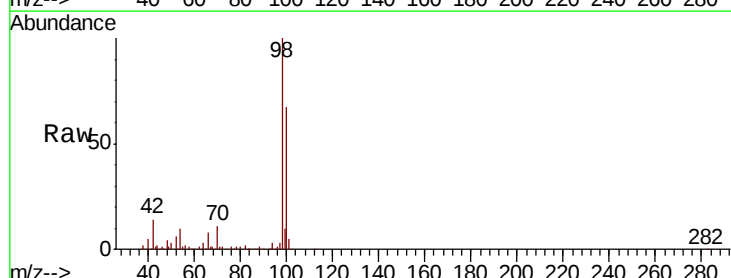
Instrument :
MSVOA_D
ClientSampleId :

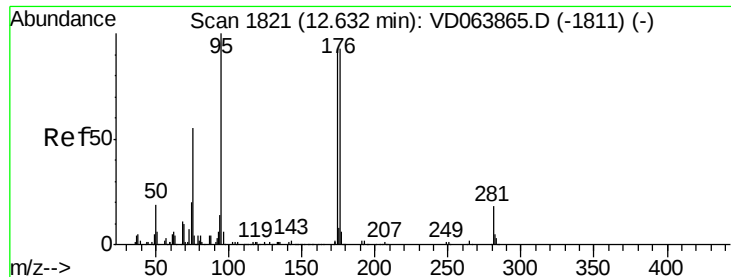
Tot Ion:117 Resp: 14649
Ion Ratio Lower Upper
117 100
119 6.6 70.8 106.2#
121 0.0 21.4 32.0#



#50
Toluene-d8
Concen: 53.453 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064073.D
Acq: 25 Oct 2019 18:55

Tgt Ion: 98 Resp: 333573
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 46.493 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064073.D

Acq: 25 Oct 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

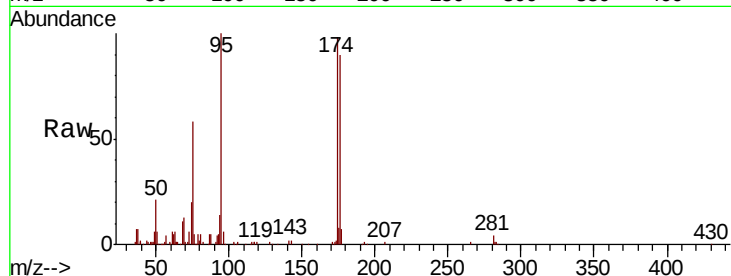
Tot Ion: 95 Resp: 100822

Ion Ratio Lower Upper

95 100

174 93.8 0.0 186.4

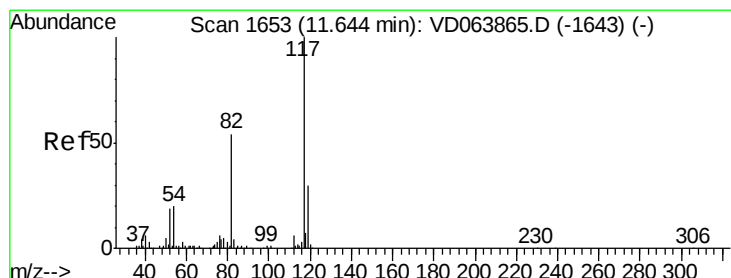
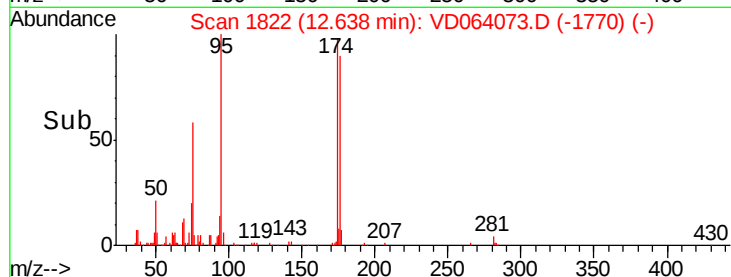
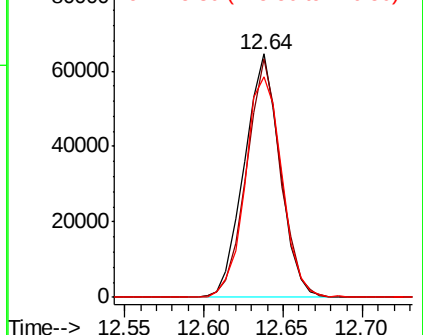
176 93.4 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD064073.D

Acq: 25 Oct 2019 18:55

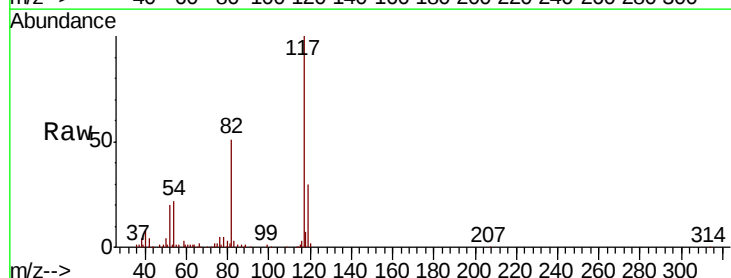
Tgt Ion: 117 Resp: 260197

Ion Ratio Lower Upper

117 100

82 50.8 42.8 64.2

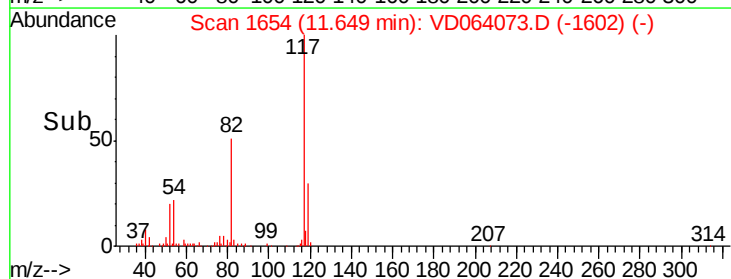
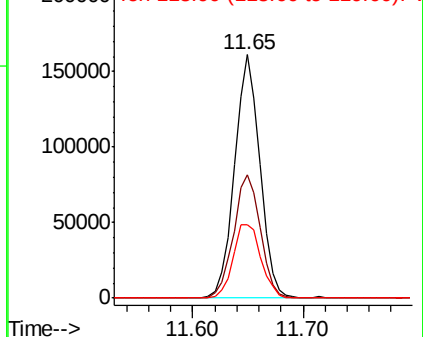
119 30.2 24.4 36.6

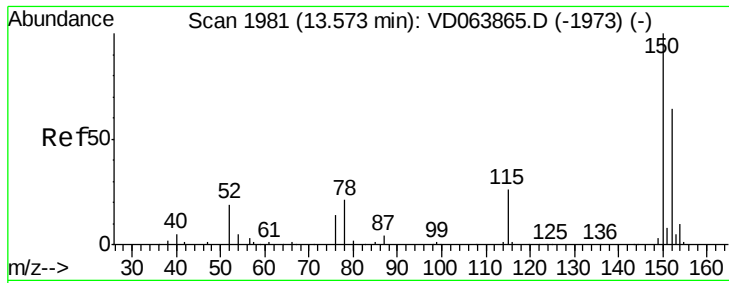


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064073.D

Acq: 25 Oct 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

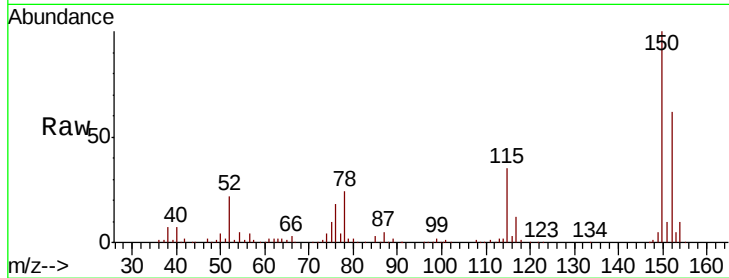
Tot Ion:152 Resp: 121790

Ion Ratio Lower Upper

152 100

115 56.0 25.9 77.7

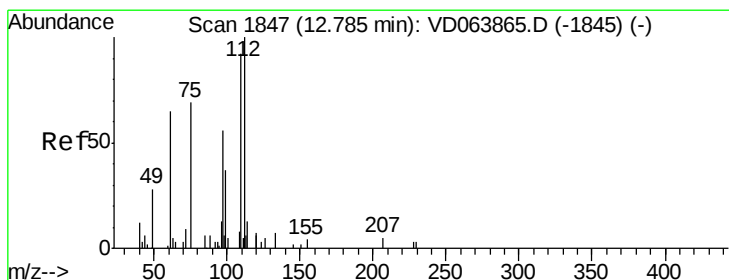
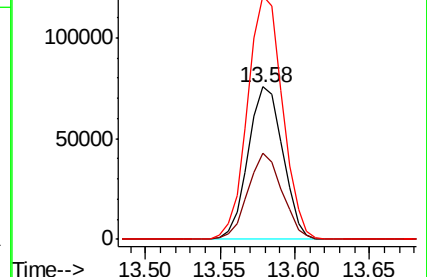
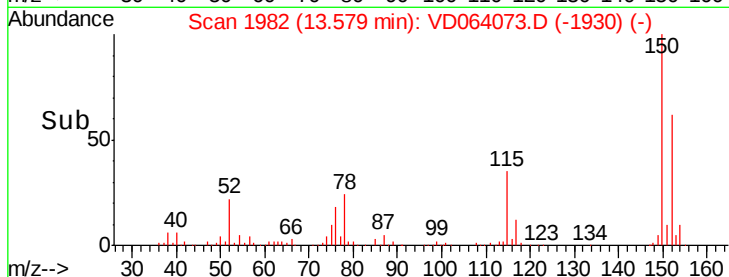
150 160.4 0.0 344.2



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: 69.606 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064073.D

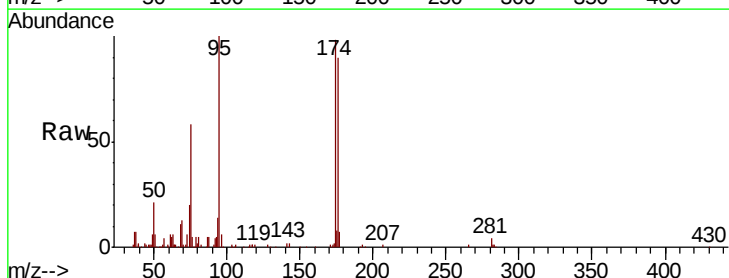
Acq: 25 Oct 2019 18:55

Tgt Ion: 75 Resp: 56779

Ion Ratio Lower Upper

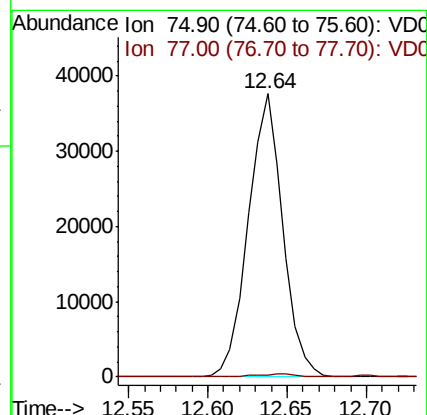
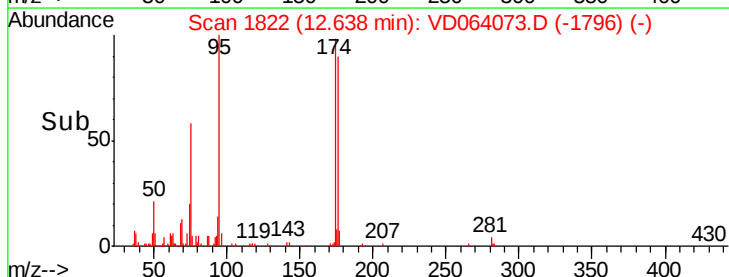
75 100

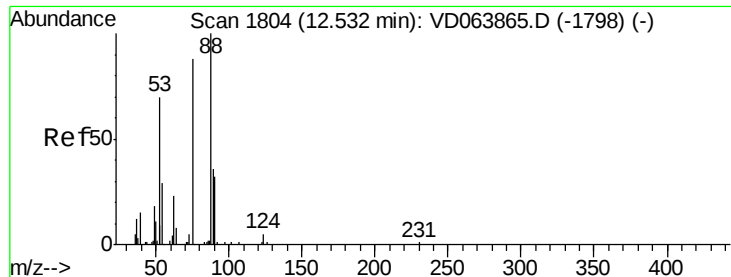
77 1.2 0.0 0.0#



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: 123.175 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064073.D

Acq: 25 Oct 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

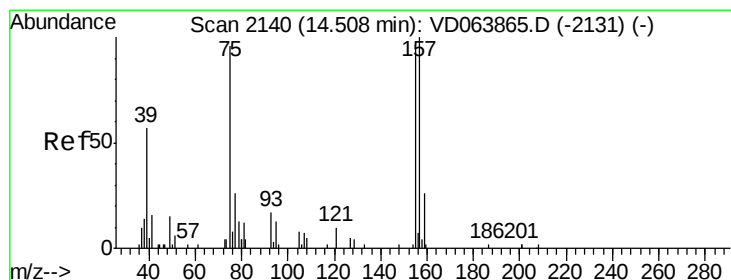
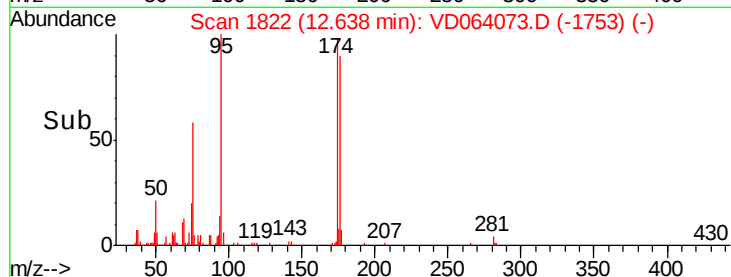
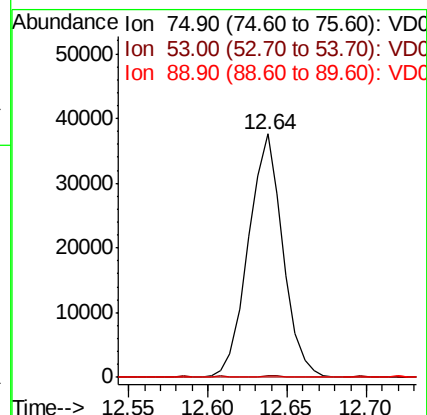
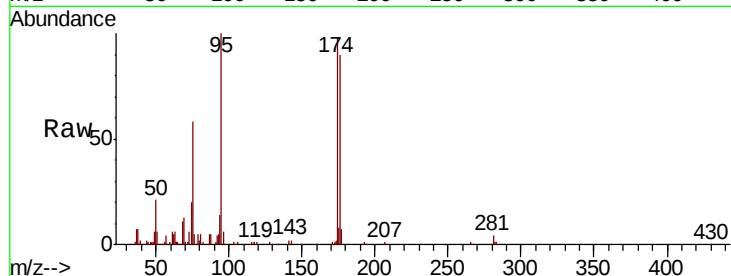
Tot Ion: 75 Resp: 56779

Ion Ratio Lower Upper

75 100

53 0.4 75.0 112.6#

89 0.0 38.2 57.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.53 min Scan# 2143

Delta R.T. 0.02 min

Lab File: VD064073.D

Acq: 25 Oct 2019 18:55

Tgt Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#

