

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101819\
 Data File : VD064008.D
 Acq On : 18 Oct 2019 13:57
 Operator : VA/SY
 Sample : K5420-13
 Misc : 5.66G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 19 01:38:58 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	173557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	321021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	315429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	156135	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	97595	57.76	ug/l	0.00
Spiked Amount			Recovery	=	115.52%	
35) Dibromofluoromethane	7.92	113	96754	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	10.34	98	424467	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
62) 4-Bromofluorobenzene	12.64	95	125906	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	

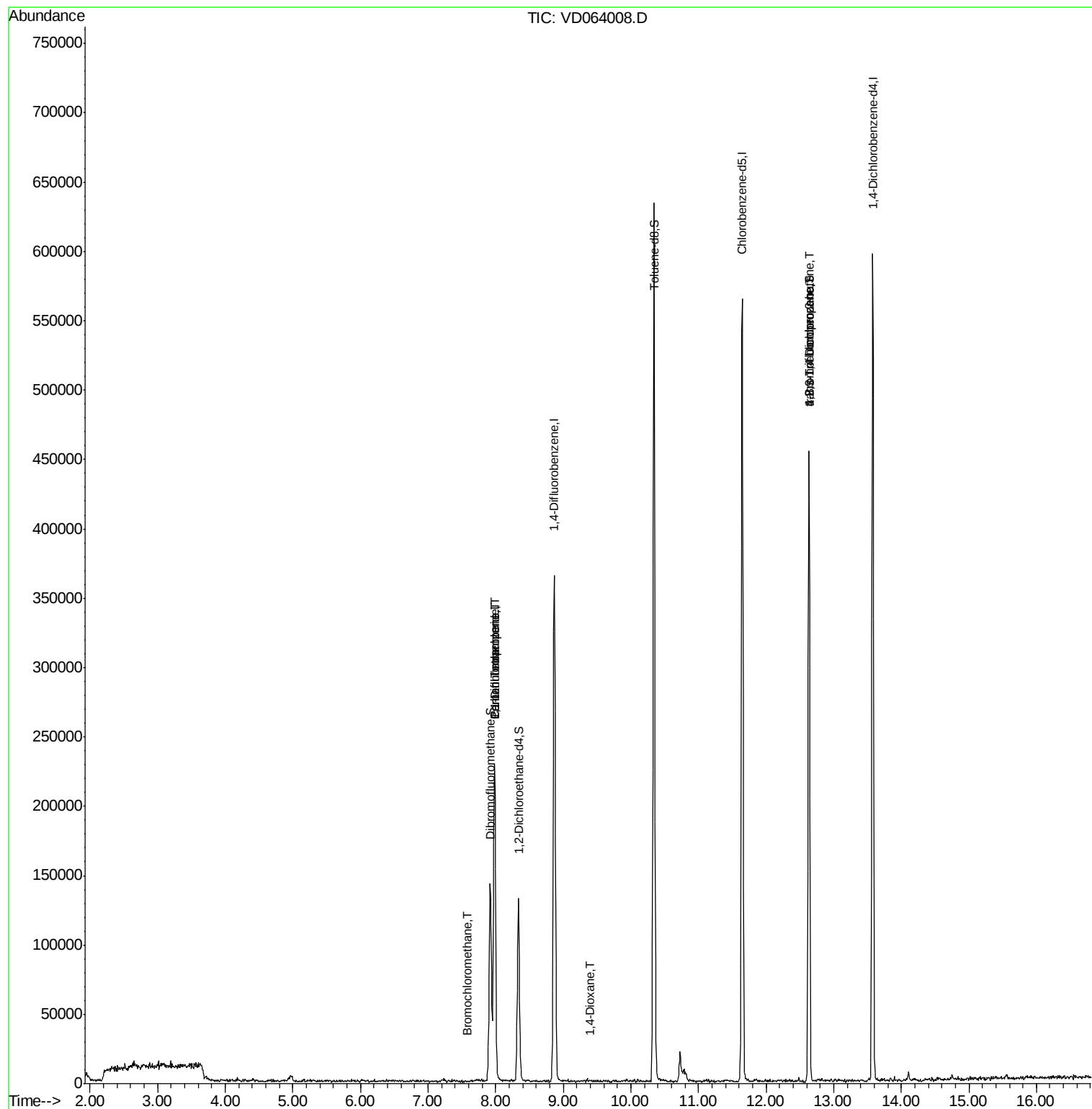
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	1090	Below Cal	#	40
11) Tert butyl alcohol	5.25	59	203	Below Cal	#	1
20) Methylene Chloride	4.96	84	2829	Below Cal	#	83
28) Bromochloromethane	7.57	49	79	1.930	ug/l #	10
31) Cyclohexane	7.98	56	4956	Below Cal	#	68
36) 1,1-Dichloropropene	7.98	75	13050	4.446	ug/l #	51
37) Ethyl Acetate	7.26	43	60	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	16205	5.463	ug/l #	18
49) 1,4-Dioxane	9.39	88	66	4.124	ug/l #	10
76) 1,2,3-Trichloropropane	12.64	75	70698	67.605	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	70698	119.634	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.55	75	60	Below Cal	#	1

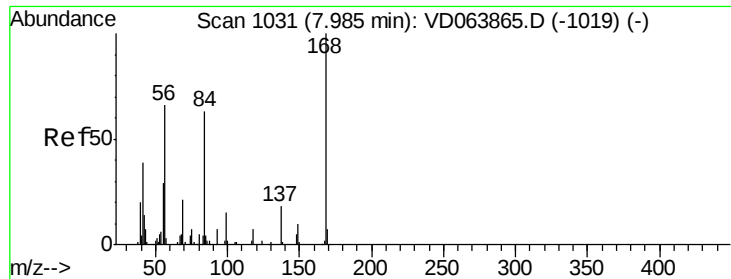
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064008.D

Acq: 18 Oct 2019 13:57

Instrument :

MSVOA_D

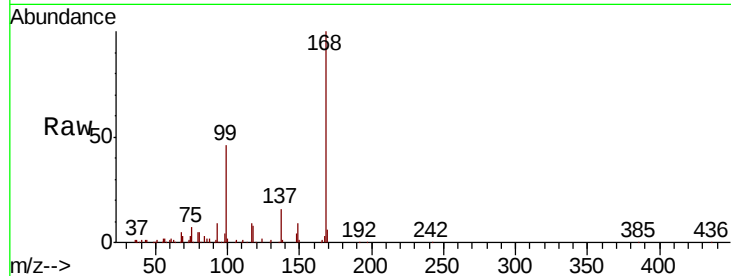
ClientSampleId :

Tot Ion:168 Resp: 173557

Ion Ratio Lower Upper

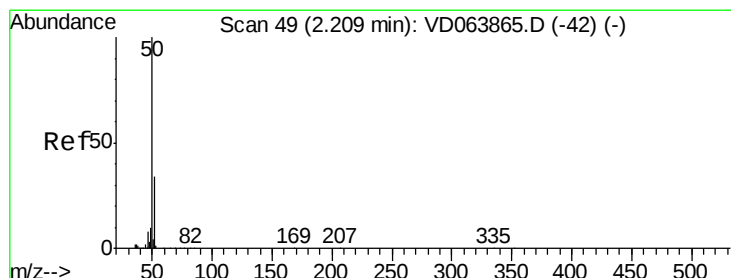
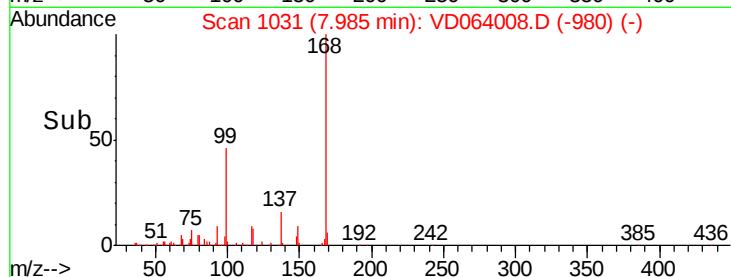
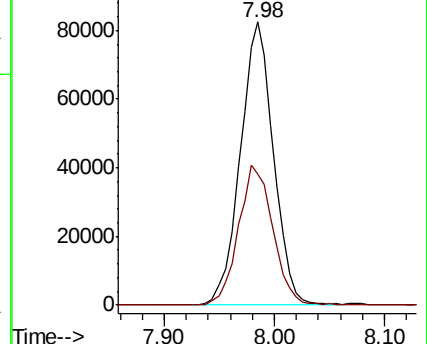
168 100

99 46.1 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: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064008.D

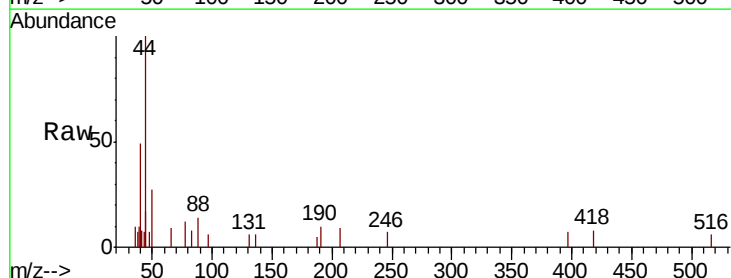
Acq: 18 Oct 2019 13:57

Tgt Ion: 50 Resp: 1090

Ion Ratio Lower Upper

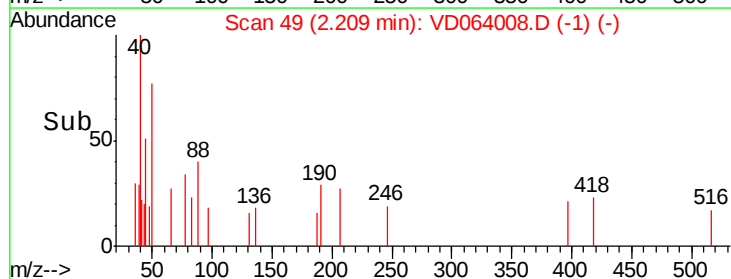
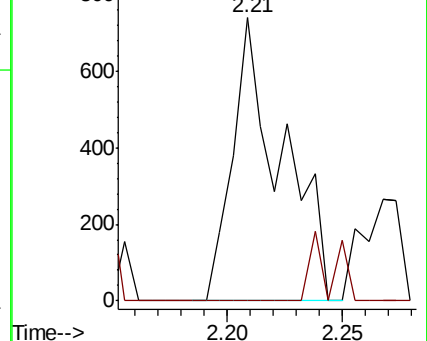
50 100

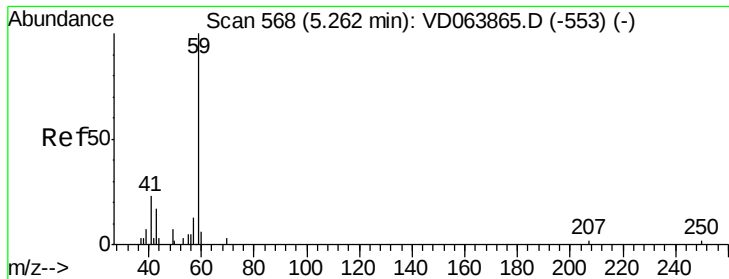
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

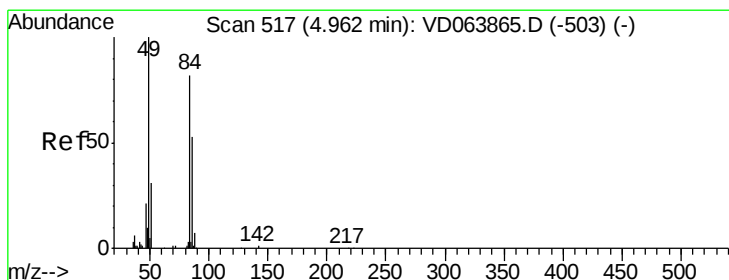
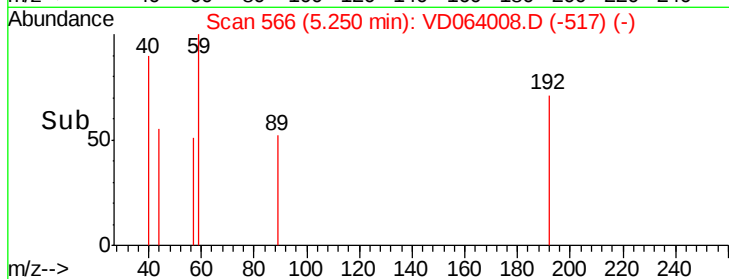
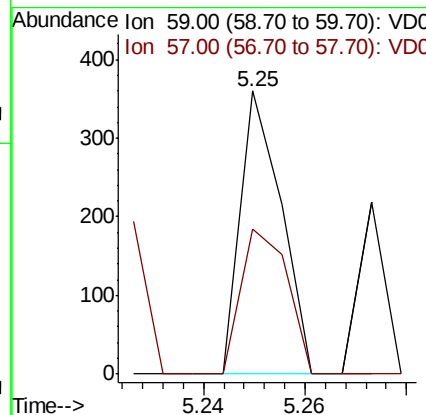
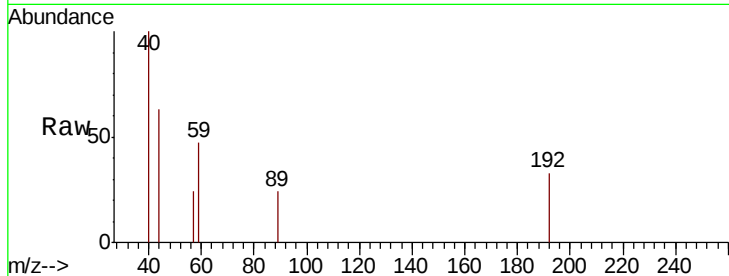




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064008.D
Acq: 18 Oct 2019 13:57

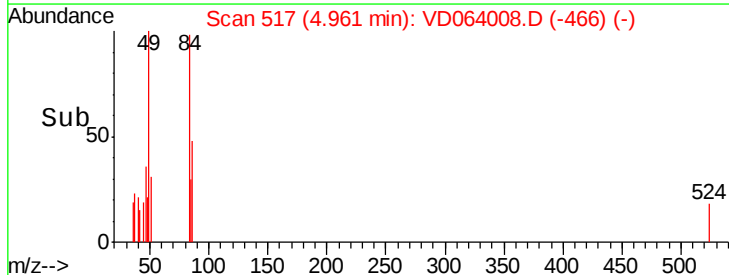
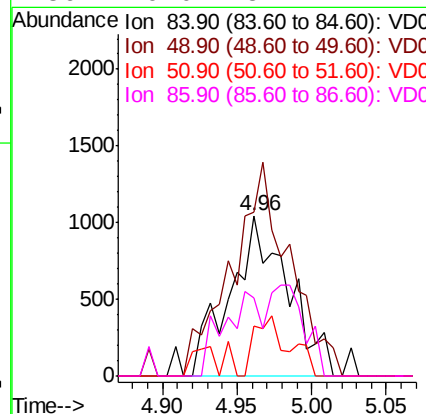
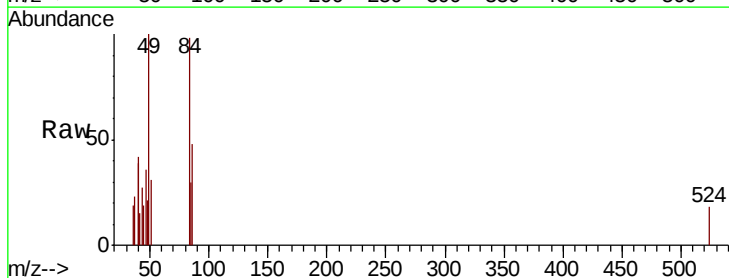
Instrument :
MSVOA_D
ClientSampleId :

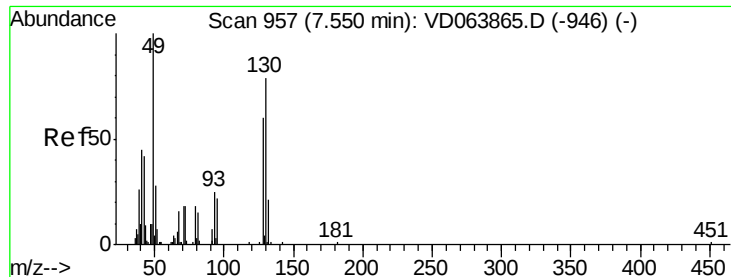
Tot Ion: 59 Resp: 203
Ion Ratio Lower Upper
59 100
57 58.6 8.8 13.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064008.D
Acq: 18 Oct 2019 13:57

Tgt Ion: 84 Resp: 2829
Ion Ratio Lower Upper
84 100
49 102.0 97.3 145.9
51 31.5 30.1 45.1
86 49.0 51.4 77.2#





#28

Bromochloromethane

Concen: 1.930 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.02 min

Lab File: VD064008.D

Acq: 18 Oct 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

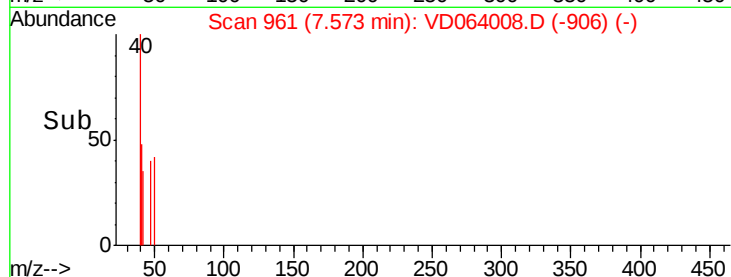
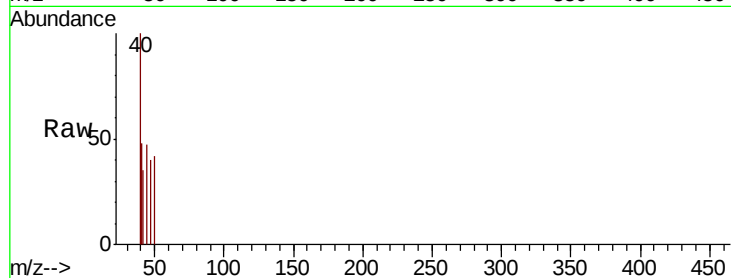
Tot Ion: 49 Resp: 79

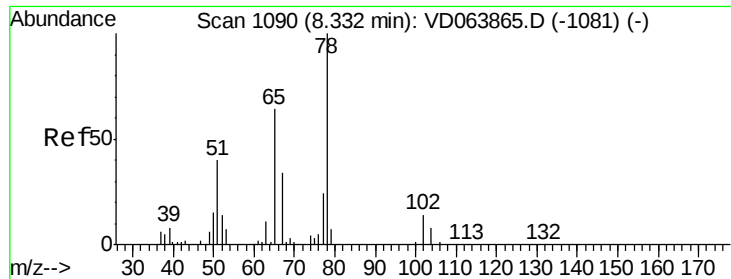
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

130 0.0 66.8 100.2#

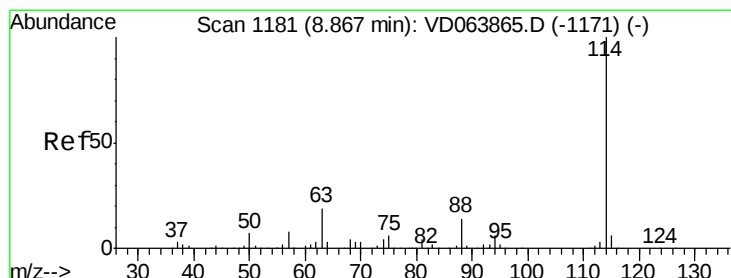
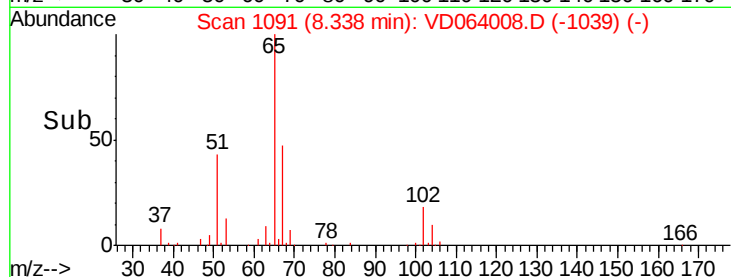
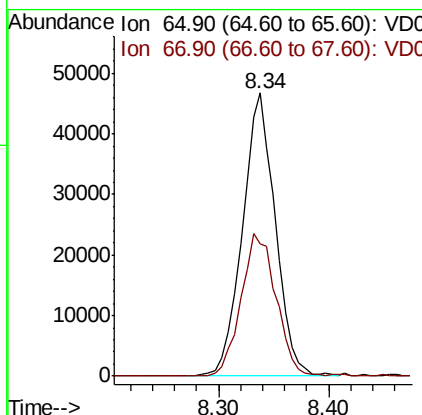
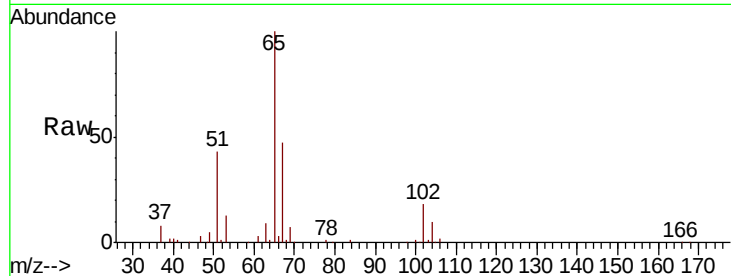




#33
 1,2-Dichloroethane-d4
 Concen: 57.758 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064008.D
 Acq: 18 Oct 2019 13:57

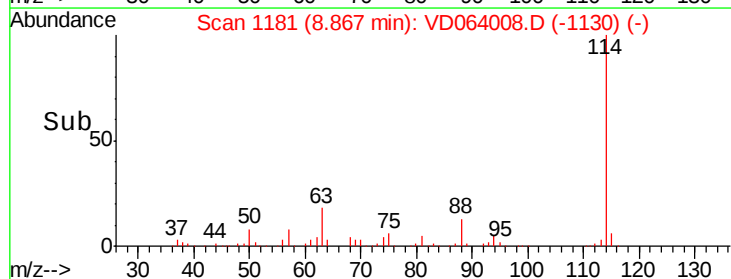
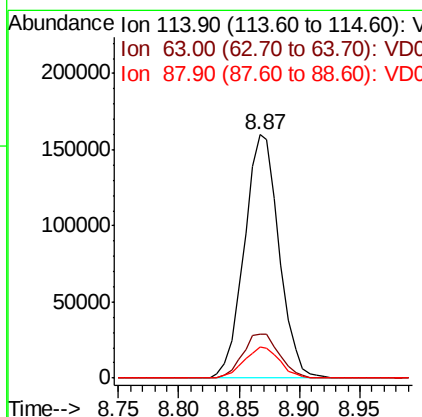
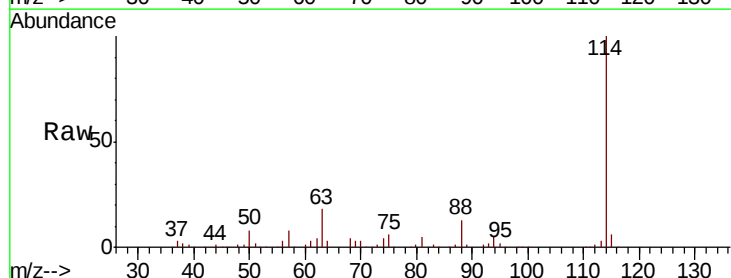
Instrument :
 MSVOA_D
 ClientSampled :

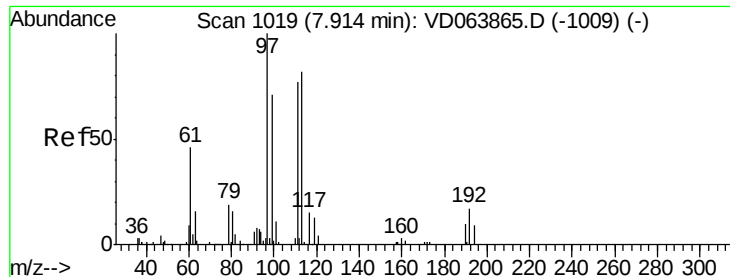
Tot Ion: 65 Resp: 97595
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064008.D
 Acq: 18 Oct 2019 13:57

Tgt Ion: 114 Resp: 321021
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 38.4
 88 12.7 0.0 27.4

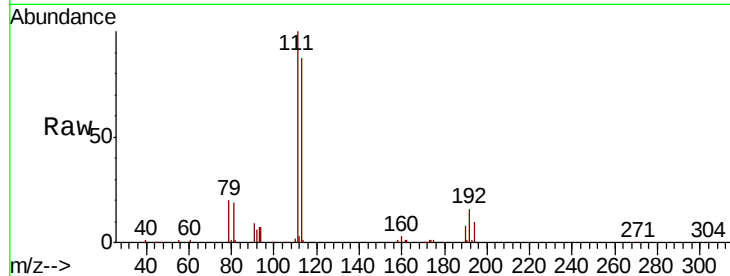




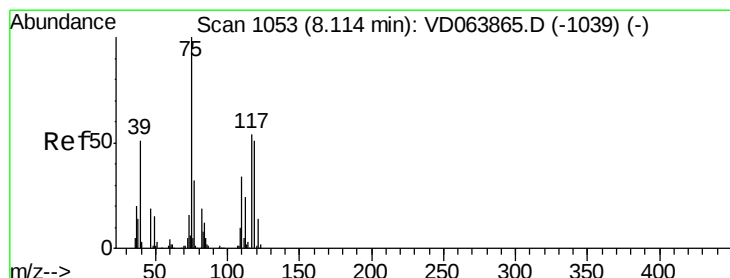
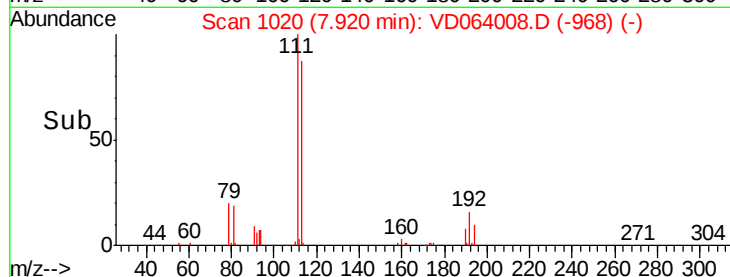
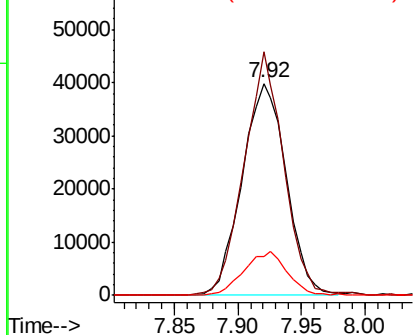
#35
 Dibromofluoromethane
 Concen: 49.318 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064008.D
 Acq: 18 Oct 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	123.8
192	20.1	17.1	25.7

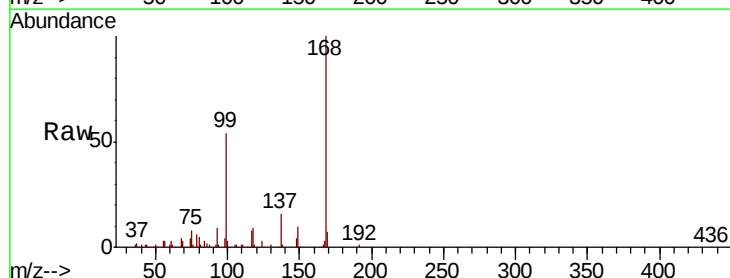


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

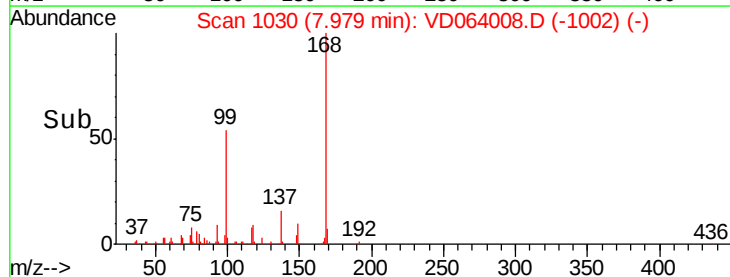
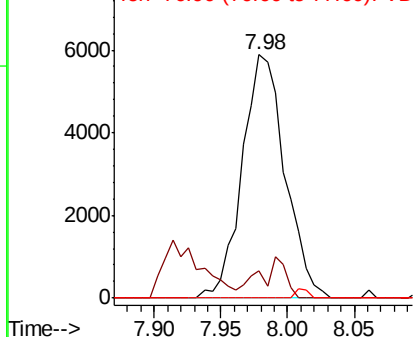


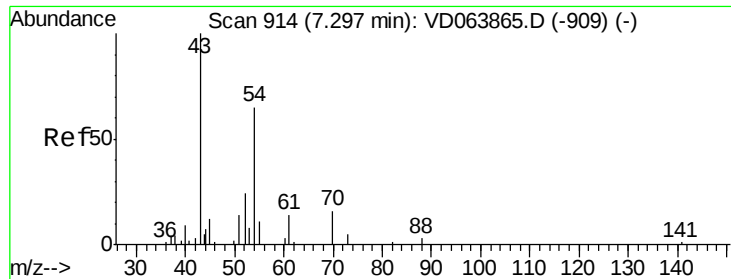
#36
 1,1-Dichloropropene
 Concen: 4.446 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064008.D
 Acq: 18 Oct 2019 13:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	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): V
 Ion 76.90 (76.60 to 77.60): VDC

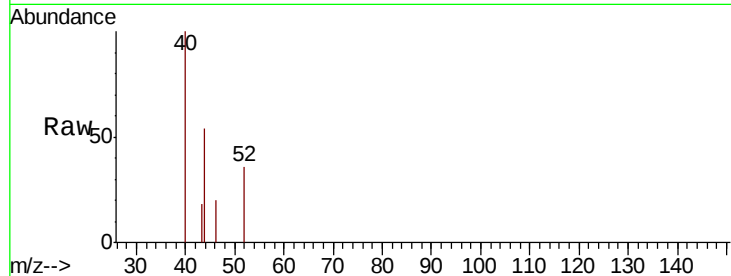




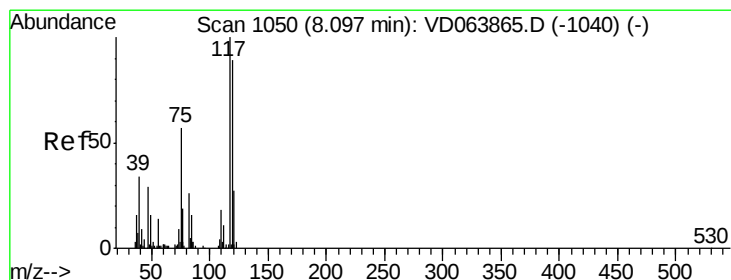
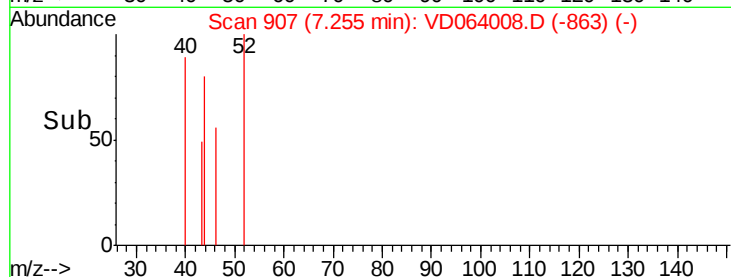
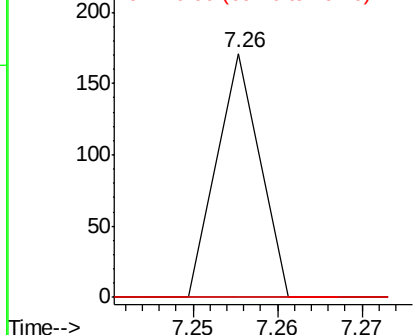
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.26 min Scan# 907
Delta R.T. -0.04 min
Lab File: VD064008.D
Acq: 18 Oct 2019 13:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

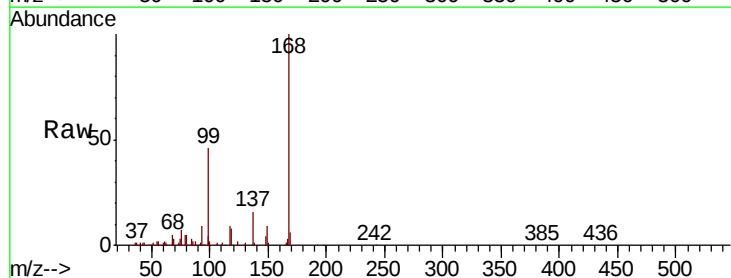


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

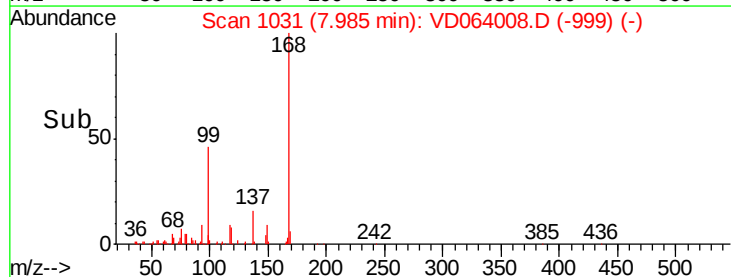
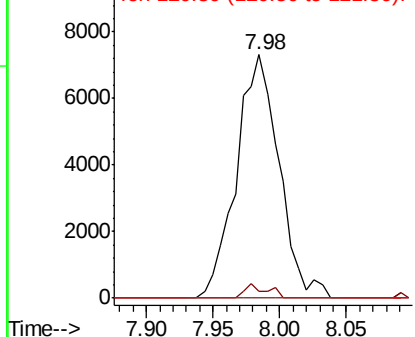


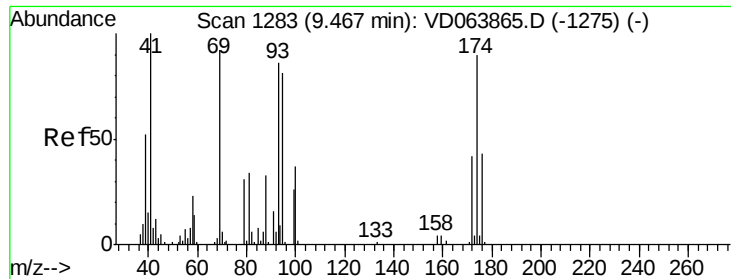
#38
Carbon Tetrachloride
Concen: 5.463 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064008.D
Acq: 18 Oct 2019 13:57

Tgt Ion: 117 Resp: 16205
Ion Ratio Lower Upper
117 100
119 2.9 70.8 106.2#
121 0.0 21.4 32.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

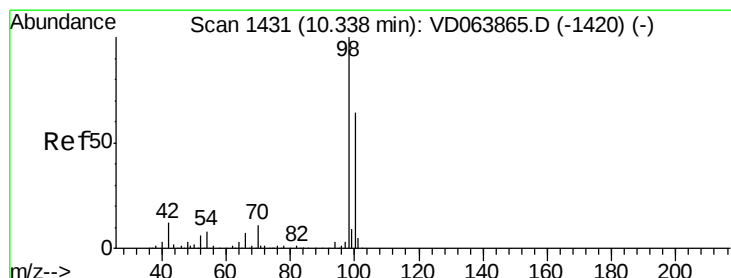
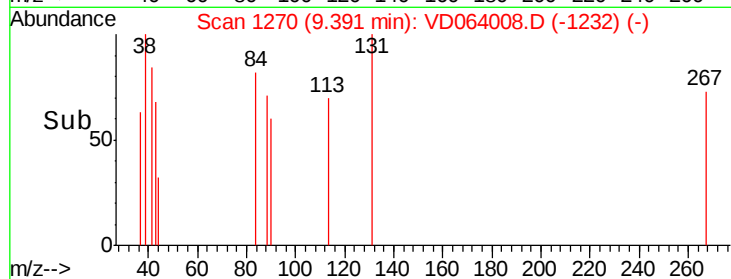
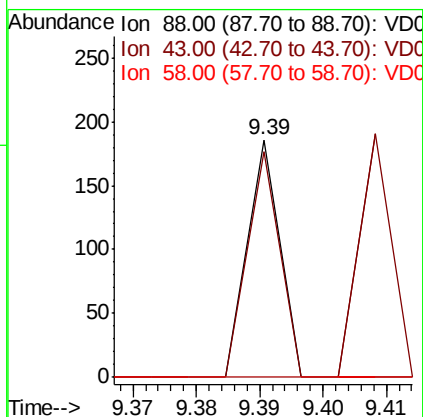
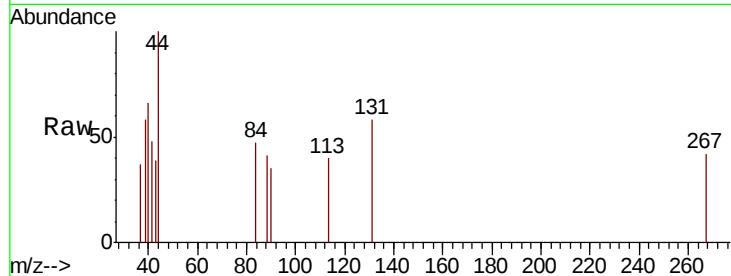




#49
 1,4-Dioxane
 Concen: 4.124 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.08 min
 Lab File: VD064008.D
 Acq: 18 Oct 2019 13:57

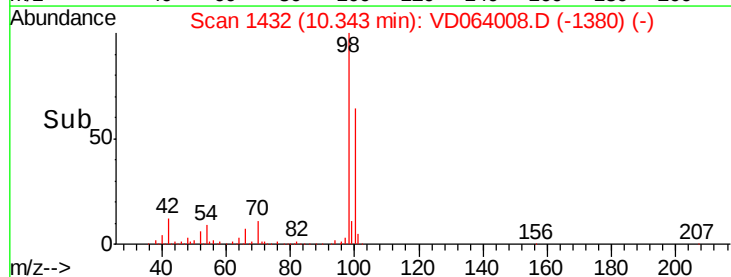
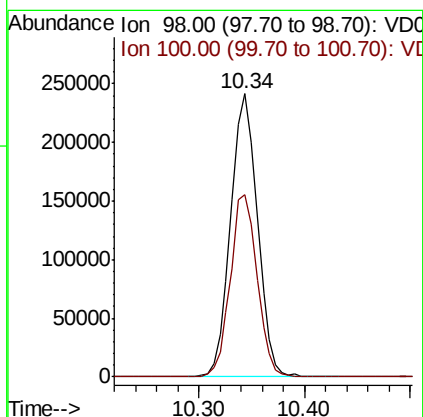
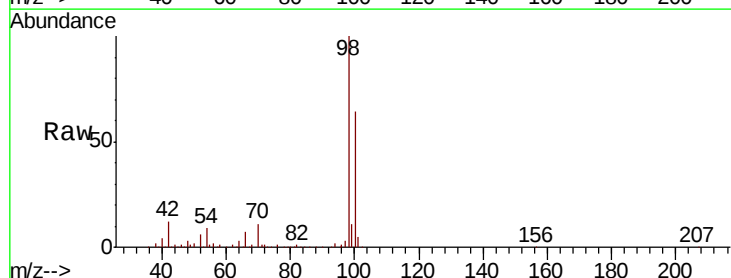
Instrument :
 MSVOA_D
 ClientSampleId :

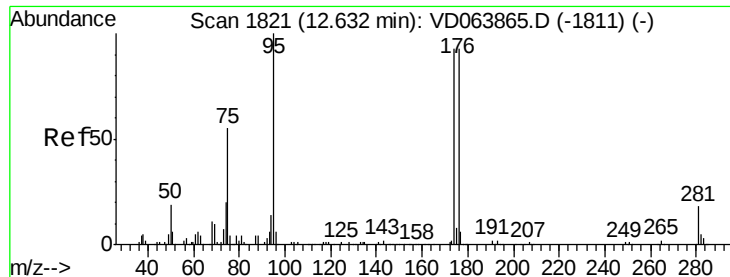
Tot Ion: 88 Resp: 66
 Ion Ratio Lower Upper
 88 100
 43 93.9 27.6 41.4#
 58 0.0 54.1 81.1#



#50
 Toluene-d8
 Concen: 53.306 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064008.D
 Acq: 18 Oct 2019 13:57

Tgt Ion: 98 Resp: 424467
 Ion Ratio Lower Upper
 98 100
 100 64.4 52.1 78.1

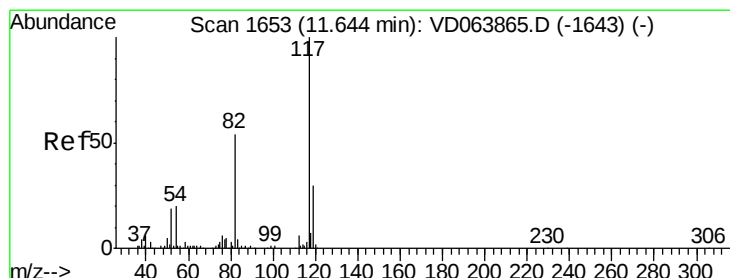
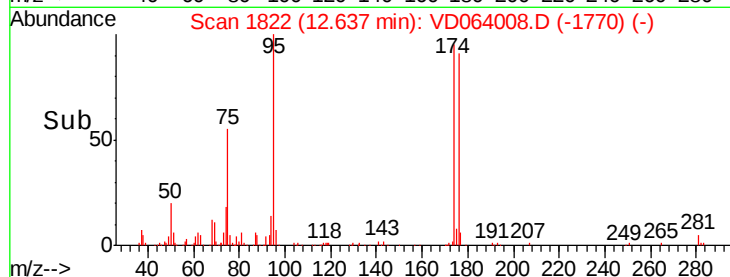
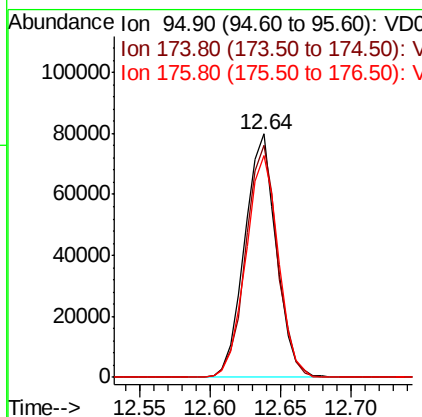
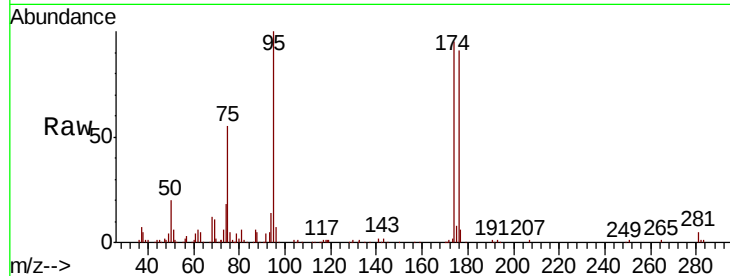




#62
4-Bromofluorobenzene
Concen: 45.501 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064008.D
Acq: 18 Oct 2019 13:57

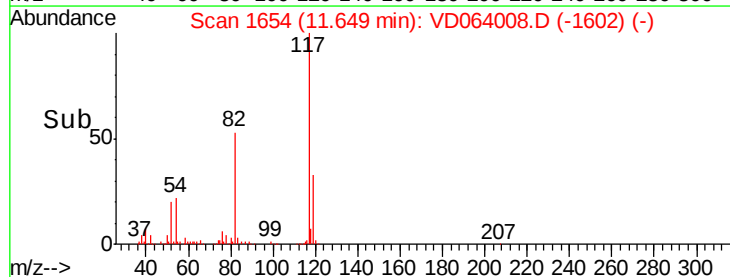
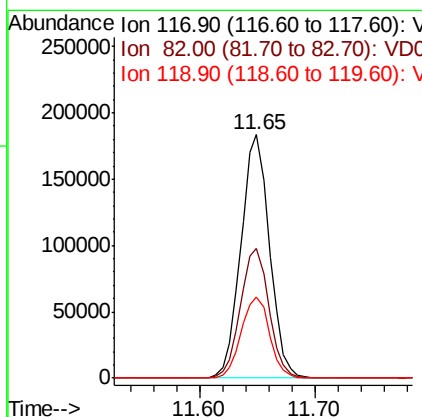
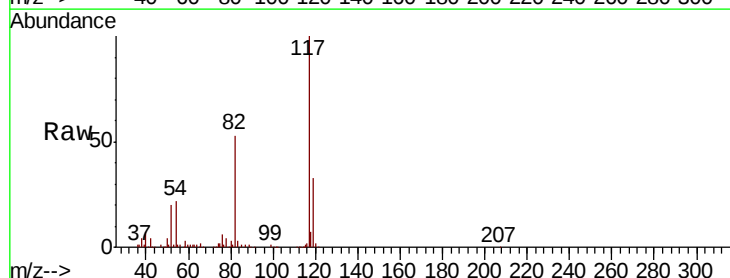
Instrument :
MSVOA_D
ClientSampleId :

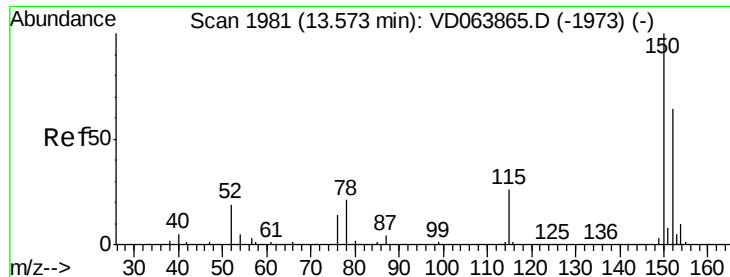
Tot Ion: 95 Resp: 125906
Ion Ratio Lower Upper
95 100
174 95.1 0.0 186.4
176 93.7 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064008.D
Acq: 18 Oct 2019 13:57

Tgt Ion: 117 Resp: 315429
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 33.4 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: VD064008.D

Acq: 18 Oct 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

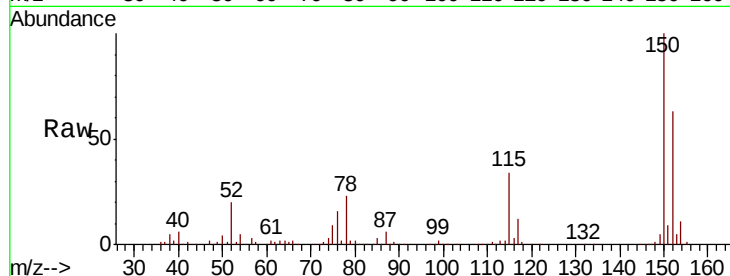
Tot Ion:152 Resp: 156135

Ion Ratio Lower Upper

152 100

115 52.6 25.9 77.7

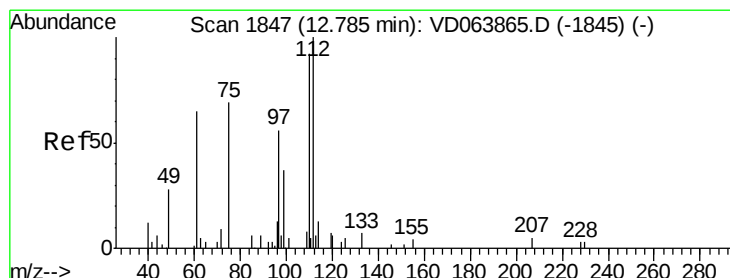
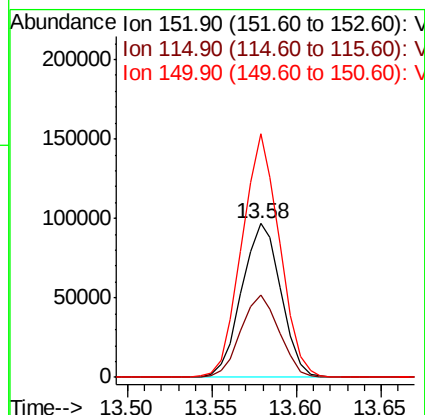
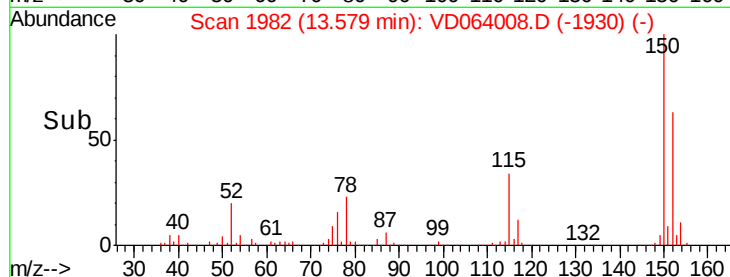
150 152.3 0.0 344.2



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: 67.605 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064008.D

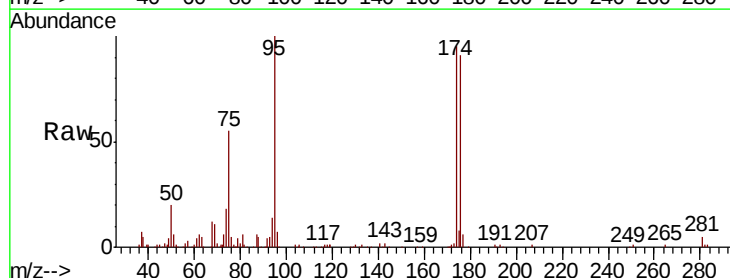
Acq: 18 Oct 2019 13:57

Tgt Ion: 75 Resp: 70698

Ion Ratio Lower Upper

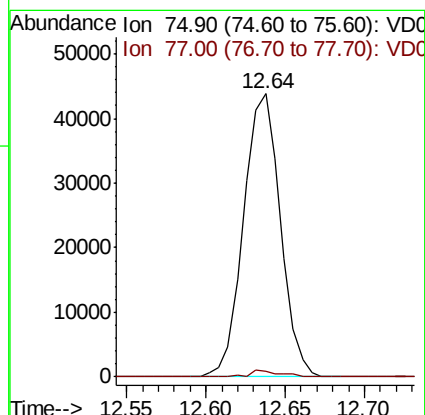
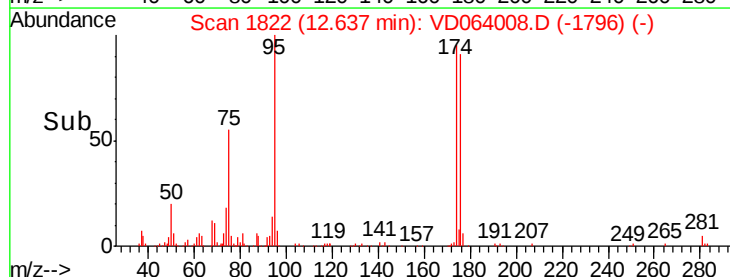
75 100

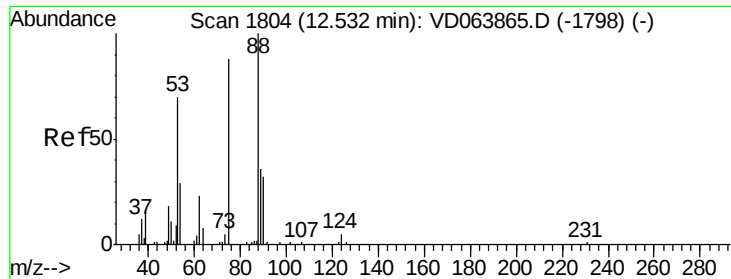
77 2.0 0.0 0.0#



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: 119.634 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064008.D

Acq: 18 Oct 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

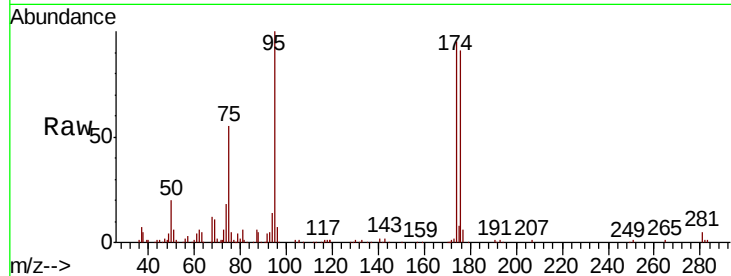
Tot Ion: 75 Resp: 70698

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

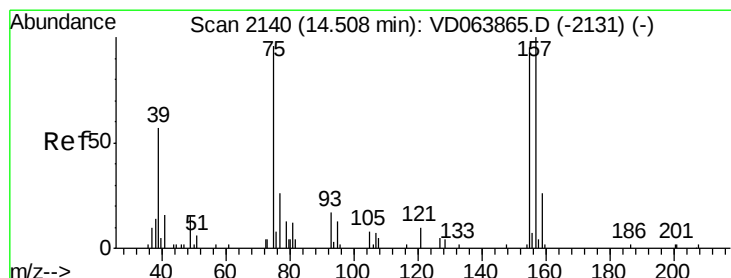
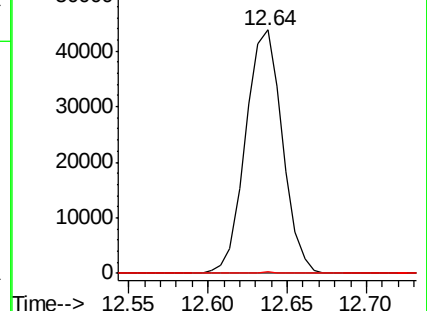
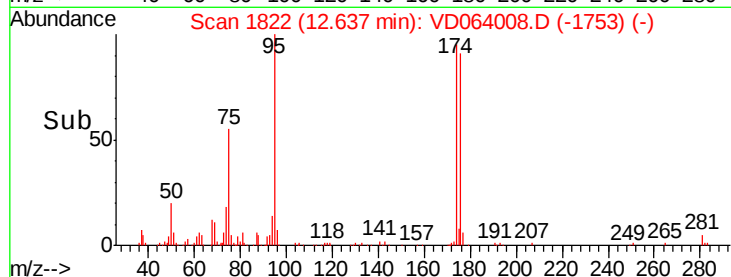
89 0.1 38.2 57.4#



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: 14.55 min Scan# 2147

Delta R.T. 0.04 min

Lab File: VD064008.D

Acq: 18 Oct 2019 13:57

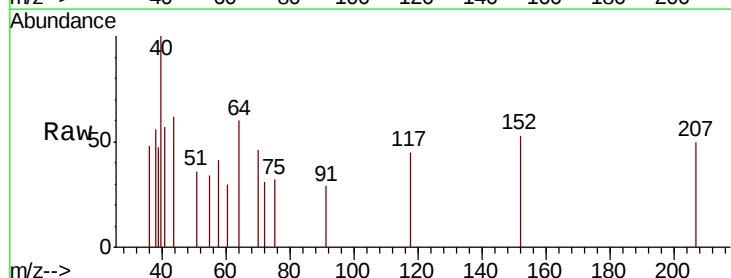
Tgt Ion: 75 Resp: 60

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

