

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064071.D
 Acq On : 25 Oct 2019 17:58
 Operator : VA/SY
 Sample : K5541-08
 Misc : 5.91G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:06:13 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	147024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	262787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	273027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	129109	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	78222	54.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.30%	
35) Dibromofluoromethane	7.93	113	82853	51.59	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	103.18%	
50) Toluene-d8	10.34	98	360698	55.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.68%	
62) 4-Bromofluorobenzene	12.64	95	109713	48.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.88%	

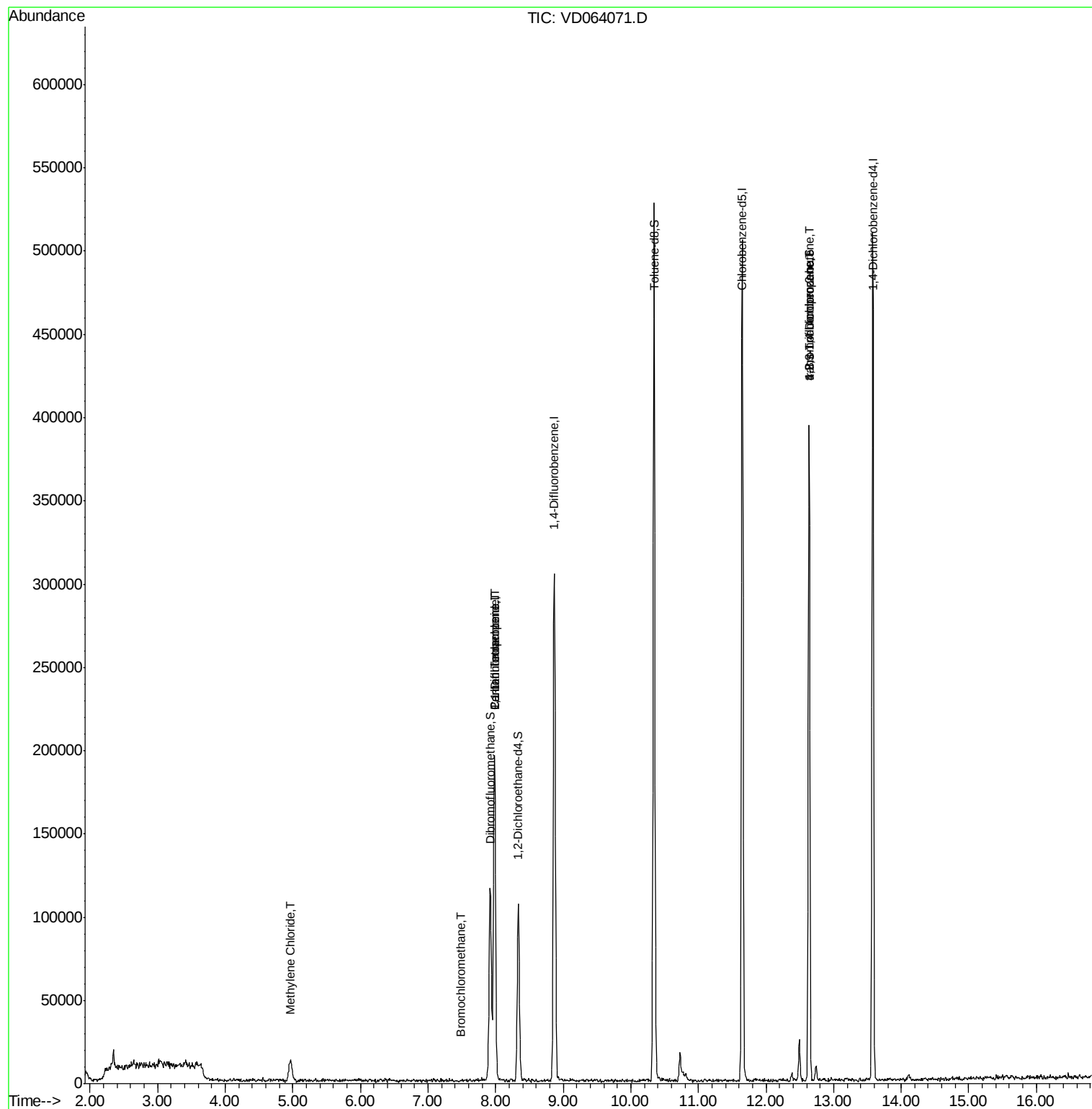
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	532	Below Cal	#	57
11) Tert butyl alcohol	5.08	59	55	Below Cal	#	71
20) Methylene Chloride	4.96	84	9242	2.744	ug/l	91
28) Bromochloromethane	7.50	49	56	1.919	ug/l #	10
31) Cyclohexane	7.99	56	3941	Below Cal	#	66
36) 1,1-Dichloropropene	7.99	75	12074	5.025	ug/l #	49
37) Ethyl Acetate	7.30	43	208	Below Cal	#	50
38) Carbon Tetrachloride	7.98	117	14415	5.937	ug/l #	19
76) 1,2,3-Trichloropropane	12.64	75	58799	67.997	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	58799	120.326	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.43	75	58	Below Cal	#	1

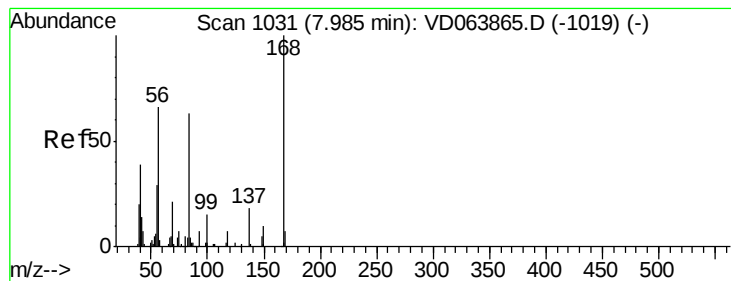
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064071.D

Acq: 25 Oct 2019 17:58

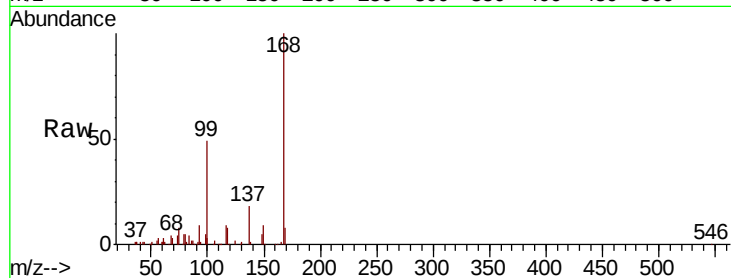
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 147024

Ion Ratio Lower Upper

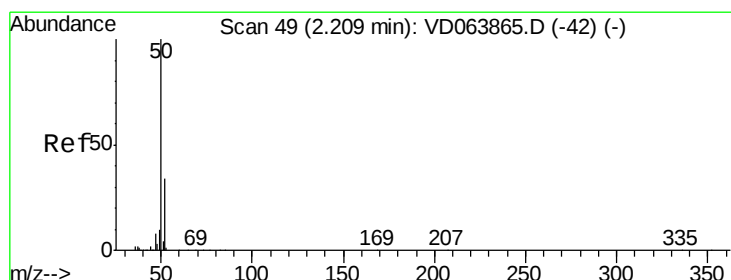
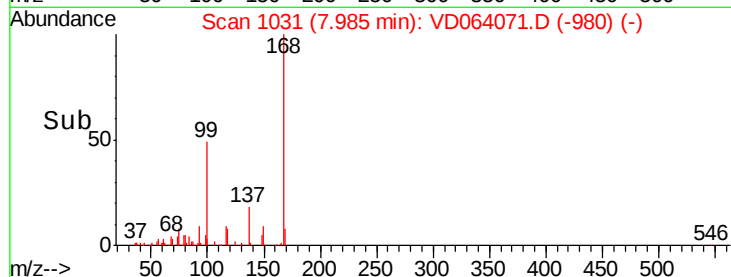
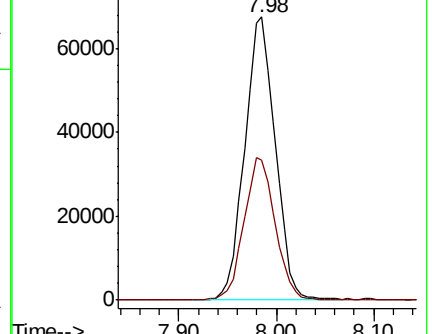
168 100

99 49.3 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: VD064071.D

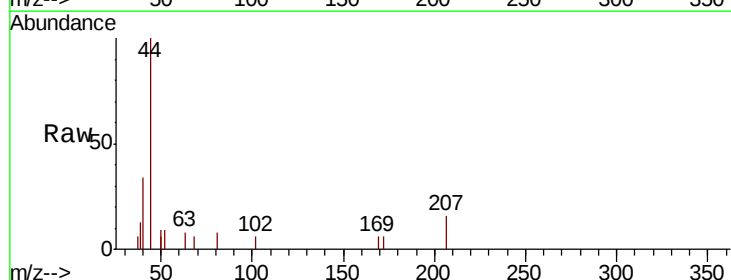
Acq: 25 Oct 2019 17:58

Tgt Ion: 50 Resp: 532

Ion Ratio Lower Upper

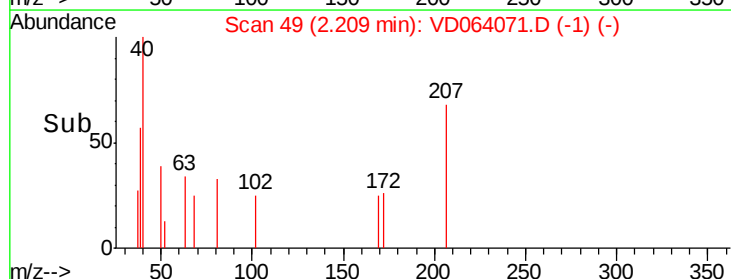
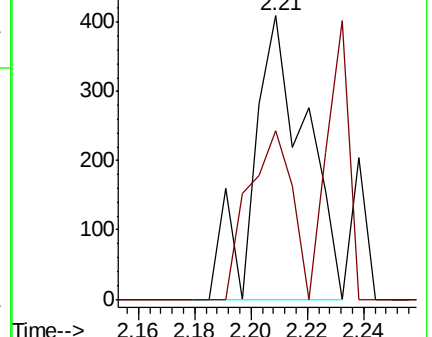
50 100

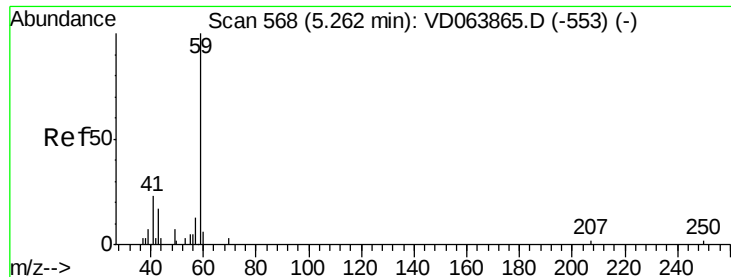
52 59.4 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



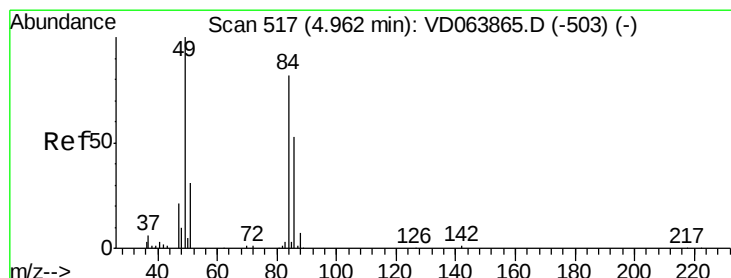
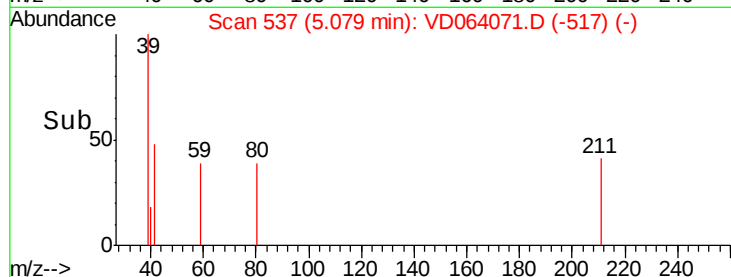
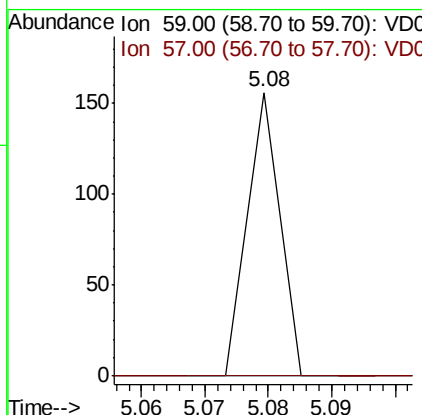
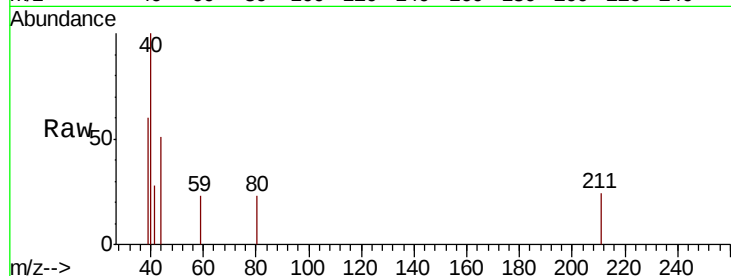


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.08 min Scan# 537
 Delta R.T. -0.18 min
 Lab File: VD064071.D
 Acq: 25 Oct 2019 17:58

Instrument :
 MSVOA_D
 ClientSampleId :

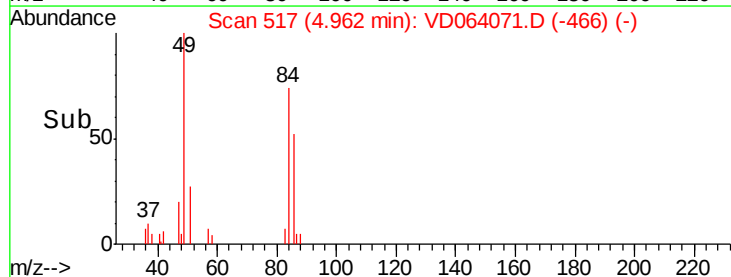
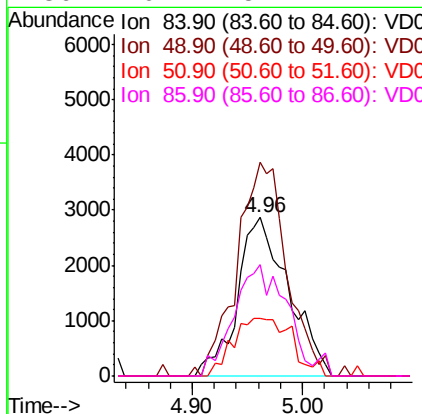
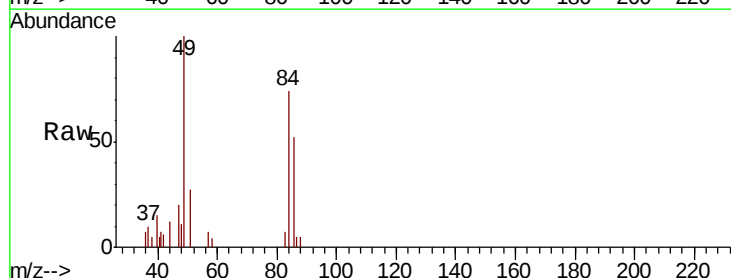
Tot Ion: 59 Resp: 55
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

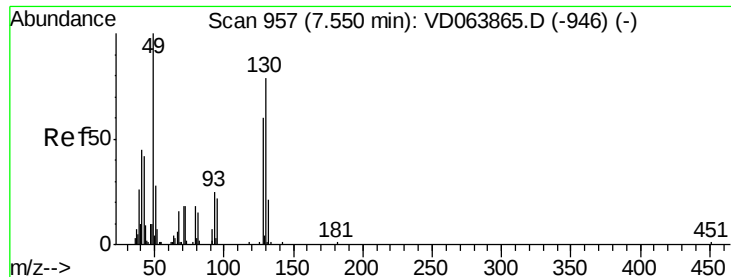


#20

Methylene Chloride
 Concen: 2.744 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064071.D
 Acq: 25 Oct 2019 17:58

Tgt Ion: 84 Resp: 9242
 Ion Ratio Lower Upper
 84 100
 49 134.6 97.3 145.9
 51 36.3 30.1 45.1
 86 70.2 51.4 77.2





#28

Bromochloromethane

Concen: 1.919 ug/l

RT: 7.50 min Scan# 948

Delta R.T. -0.05 min

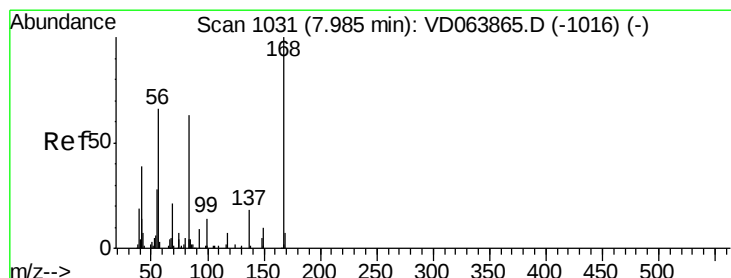
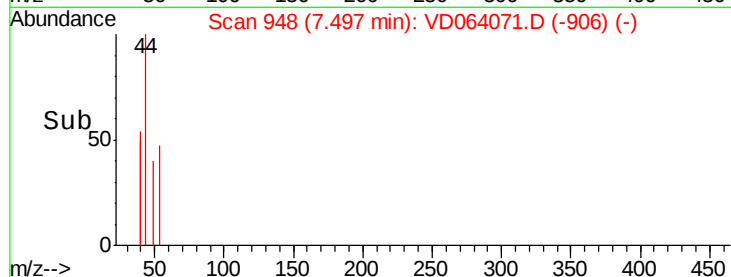
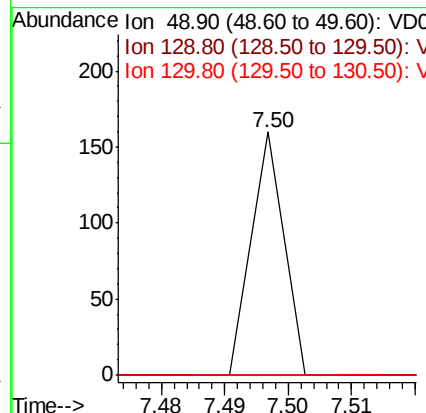
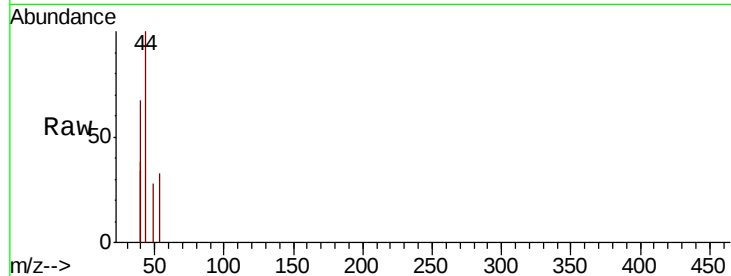
Lab File: VD064071.D

Acq: 25 Oct 2019 17:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 49 Resp: 56

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

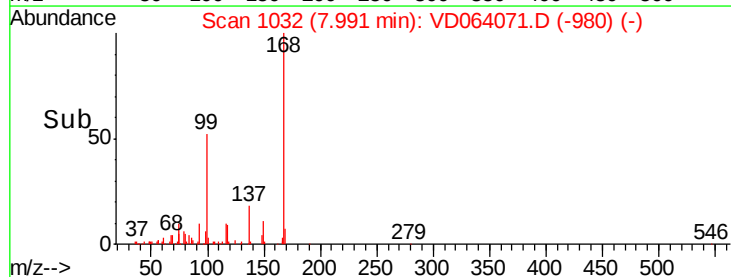
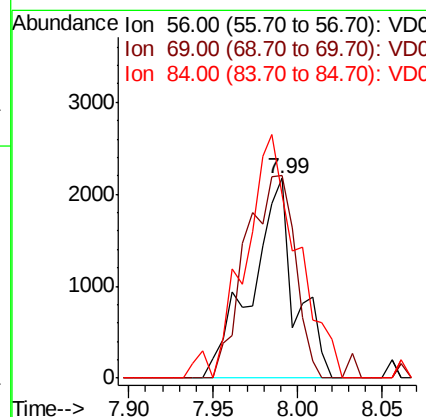
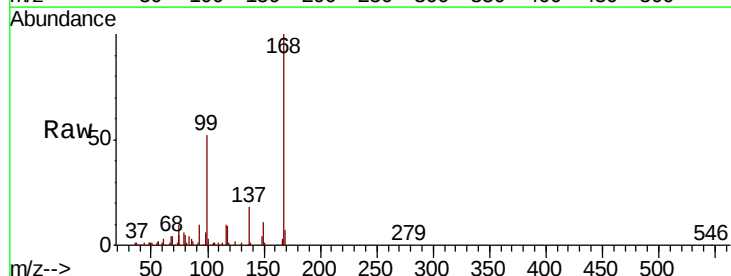
Delta R.T. 0.01 min

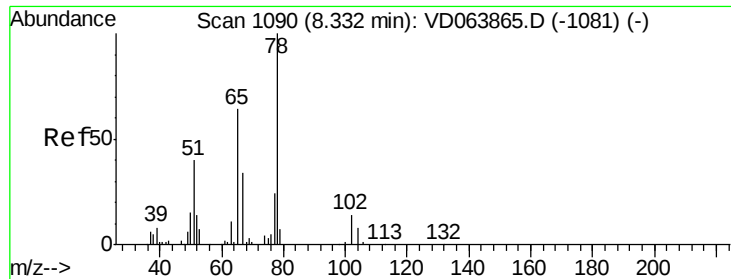
Lab File: VD064071.D

Acq: 25 Oct 2019 17:58

Tgt Ion: 56 Resp: 3941

Ion	Ratio	Lower	Upper
56	100		
69	101.2	25.0	37.4#
84	92.0	76.3	114.5

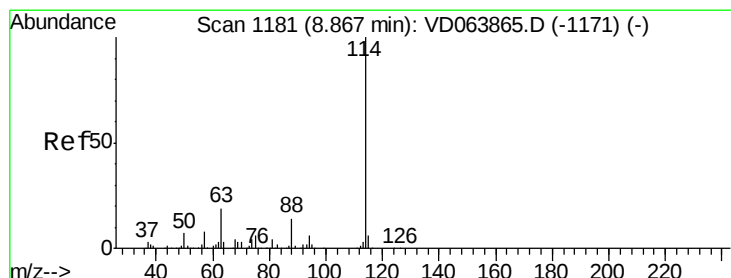
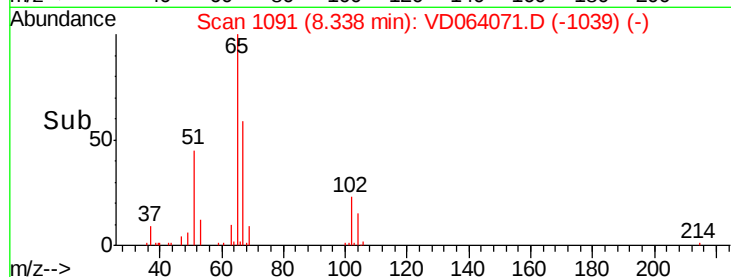
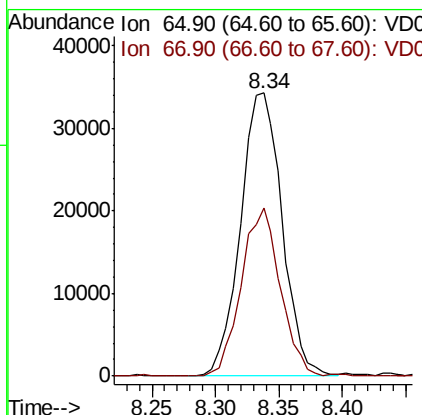
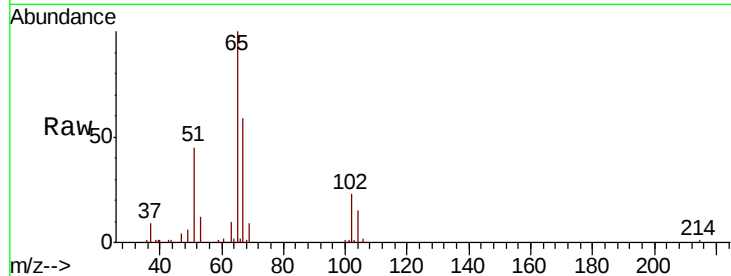




#33
 1,2-Dichloroethane-d4
 Concen: 54.648 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064071.D
 Acq: 25 Oct 2019 17:58

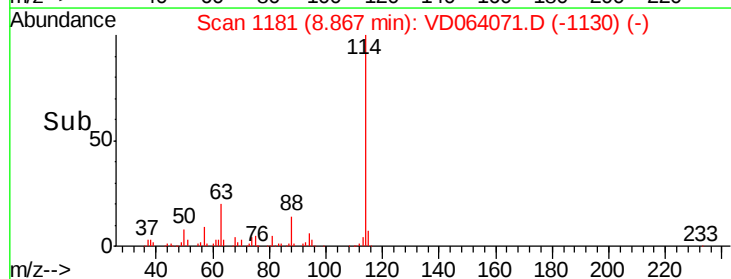
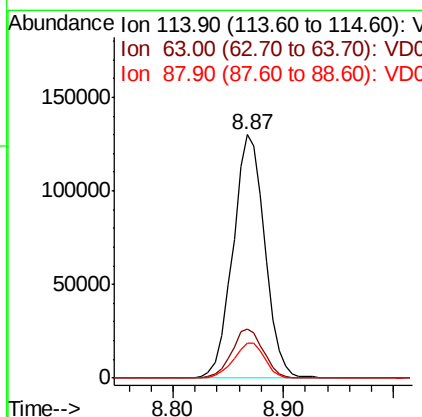
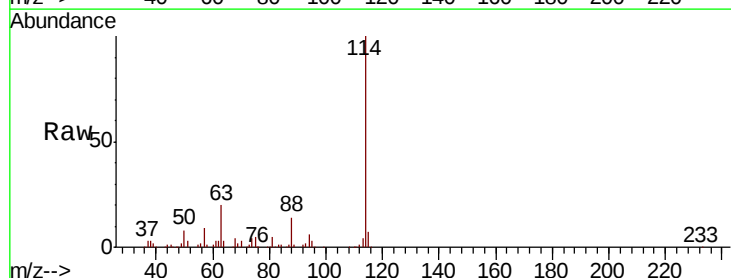
Instrument :
 MSVOA_D
 ClientSampleId :

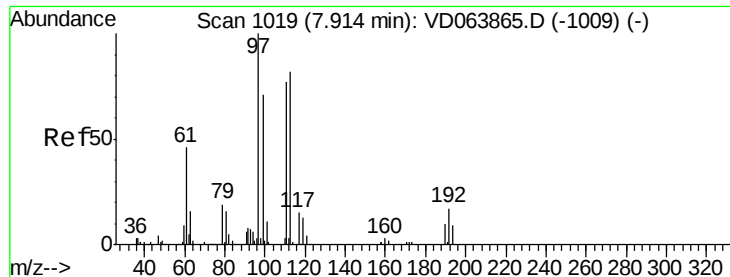
Tot Ion: 65 Resp: 78222
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064071.D
 Acq: 25 Oct 2019 17:58

Tgt Ion: 114 Resp: 262787
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.4
 88 14.4 0.0 27.4





#35

Dibromofluoromethane

Concen: 51.591 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

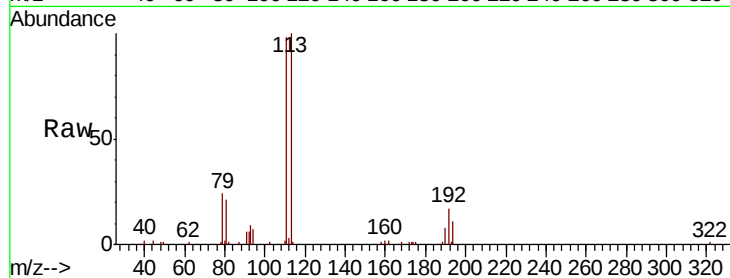
Lab File: VD064071.D

Acq: 25 Oct 2019 17:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 82853

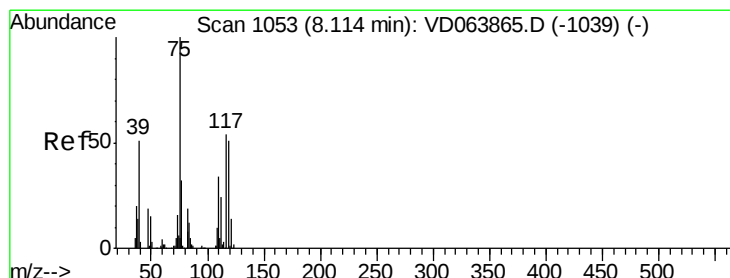
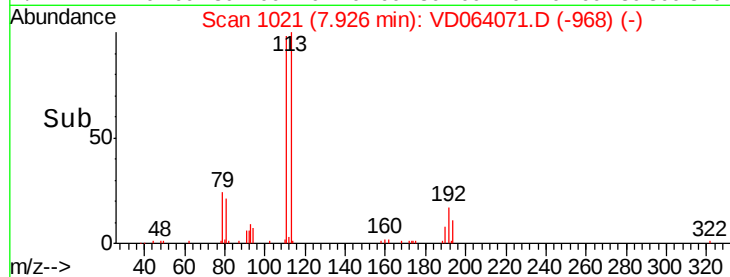
Ion	Ratio	Lower	Upper
113	100		
111	98.8	82.6	123.8
192	18.6	17.1	25.7



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: 5.025 ug/l

RT: 7.99 min Scan# 1032

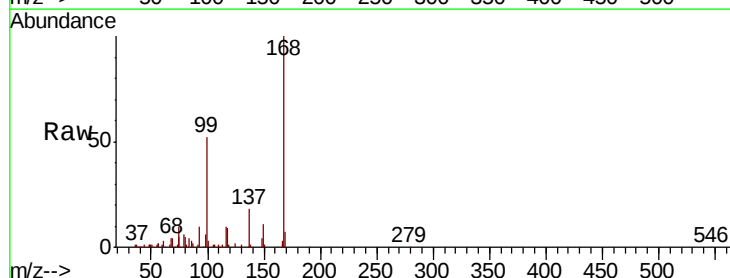
Delta R.T. -0.12 min

Lab File: VD064071.D

Acq: 25 Oct 2019 17:58

Tgt Ion: 75 Resp: 12074

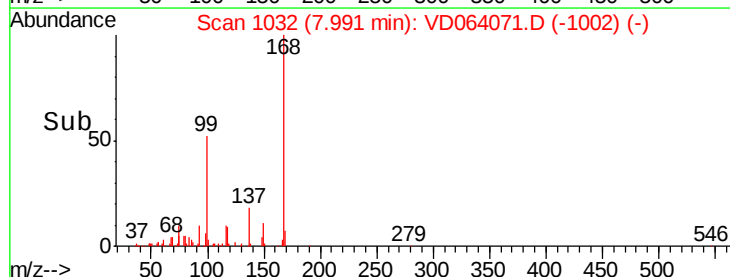
Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.4	52.3#
77	0.0	25.4	38.0#

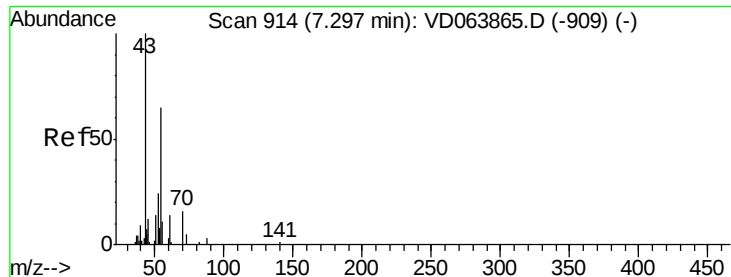


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: Below Cal

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD064071.D

Acq: 25 Oct 2019 17:58

Instrument :
MSVOA_D
ClientSampleId :

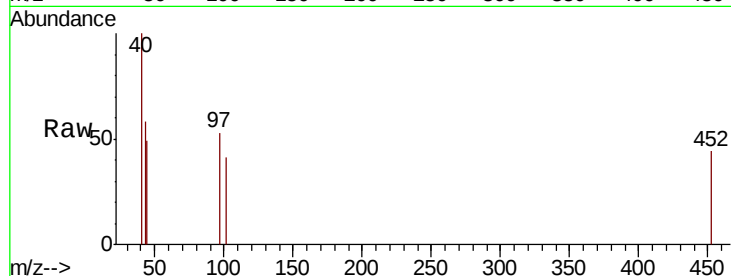
Tot Ion: 43 Resp: 208

Ion Ratio Lower Upper

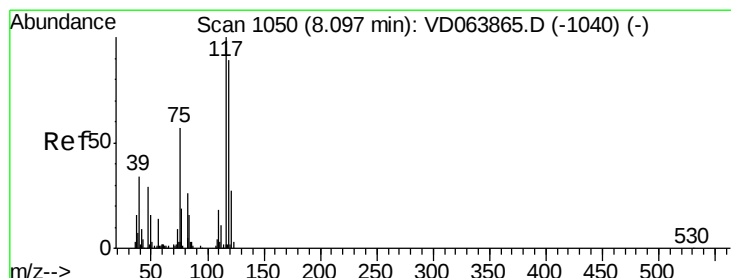
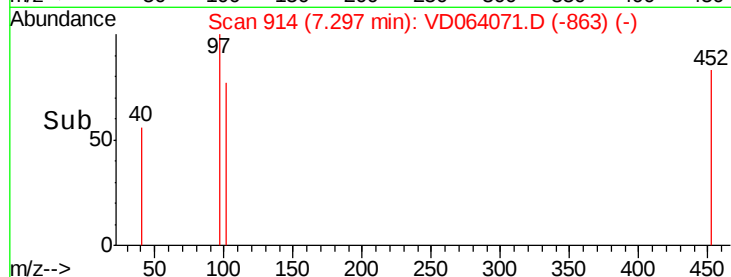
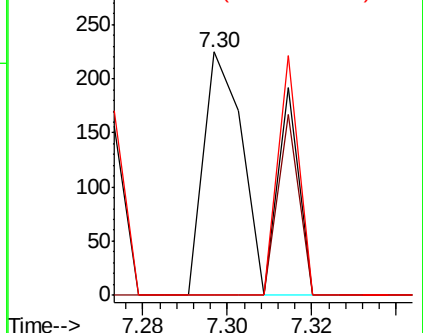
43 100

61 28.4 11.5 17.3#

70 37.5 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: 5.937 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064071.D

Acq: 25 Oct 2019 17:58

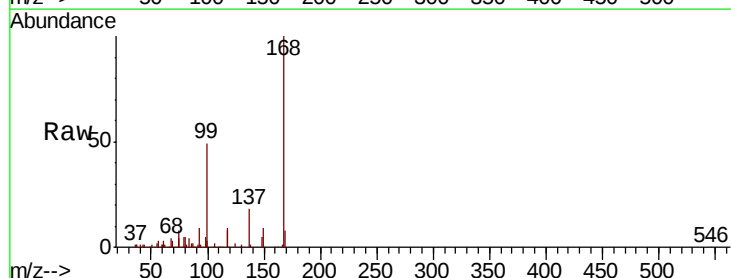
Tgt Ion: 117 Resp: 14415

Ion Ratio Lower Upper

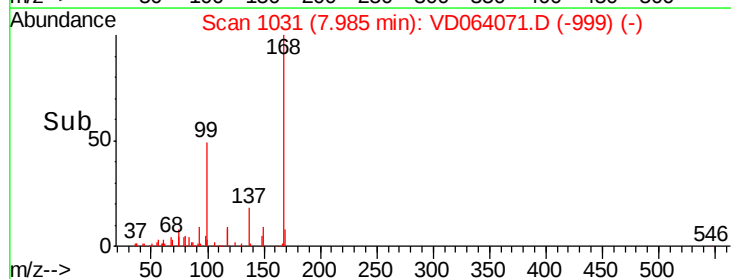
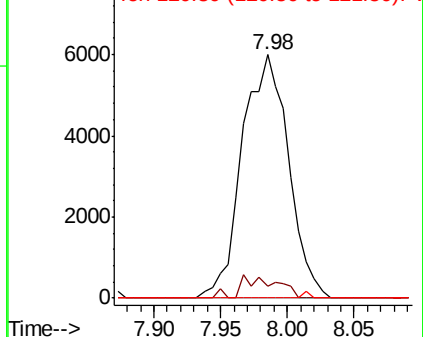
117 100

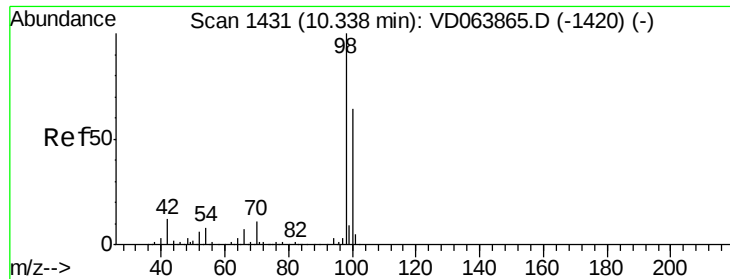
119 4.8 70.8 106.2#

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

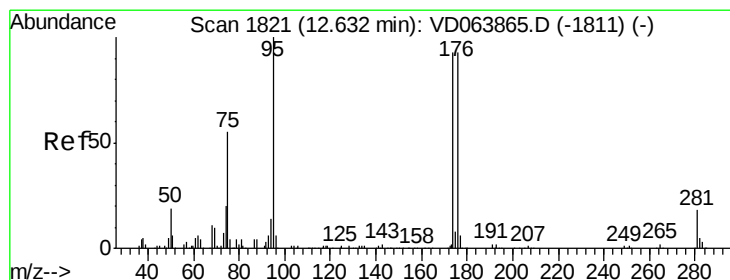
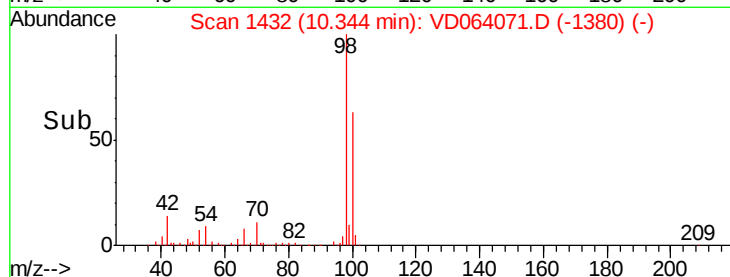
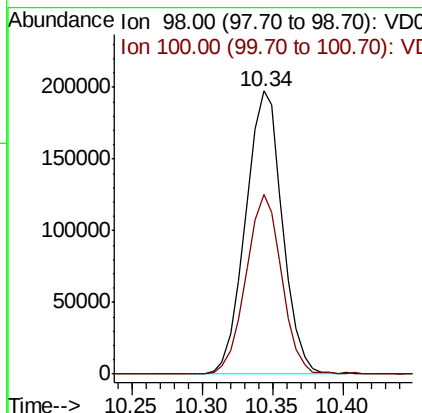
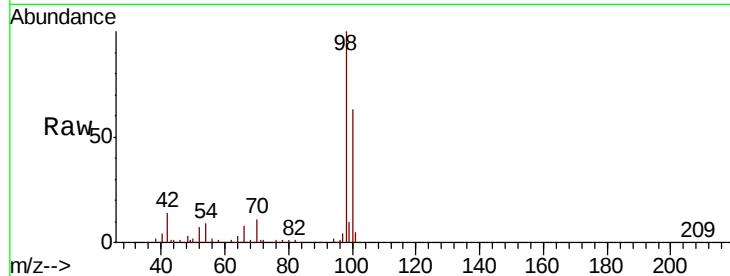




#50
Toluene-d8
Concen: 55.335 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064071.D
Acq: 25 Oct 2019 17:58

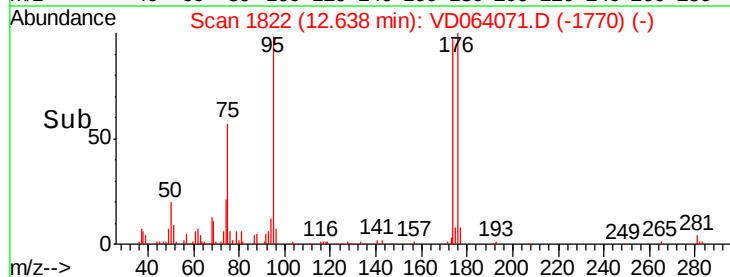
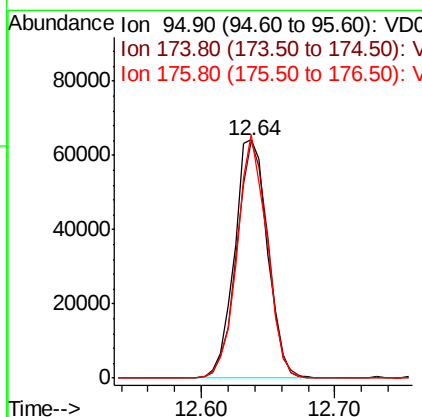
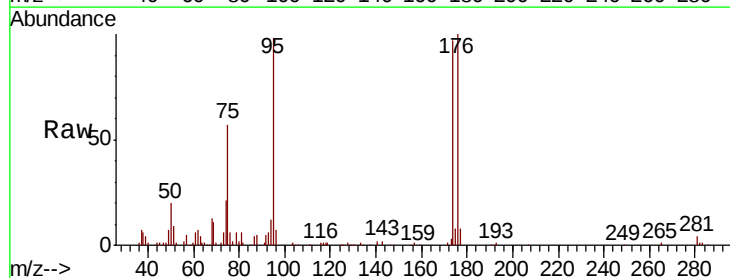
Instrument :
MSVOA_D
ClientSampleId :

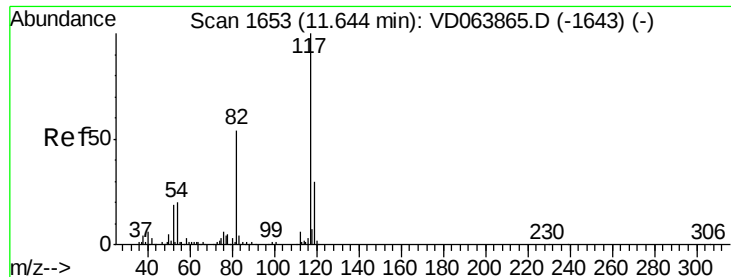
Tot Ion: 98 Resp: 360698
Ion Ratio Lower Upper
98 100
100 61.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 48.435 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064071.D
Acq: 25 Oct 2019 17:58

Tgt Ion: 95 Resp: 109713
Ion Ratio Lower Upper
95 100
174 93.7 0.0 186.4
176 91.7 0.0 184.2

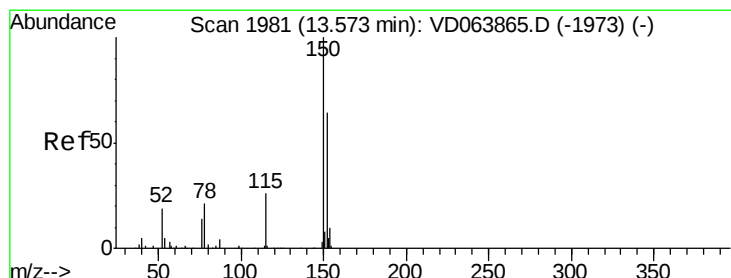
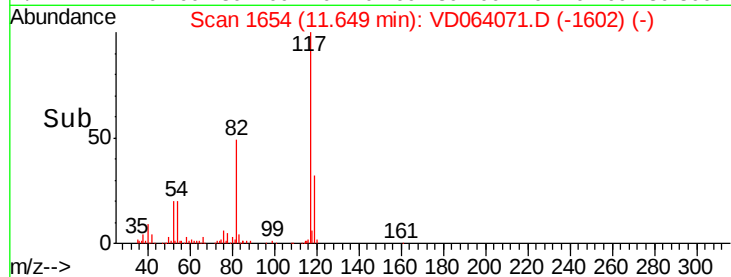
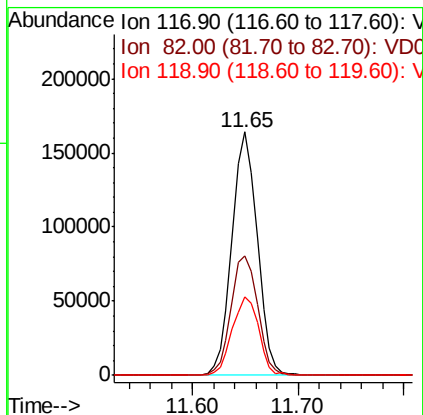
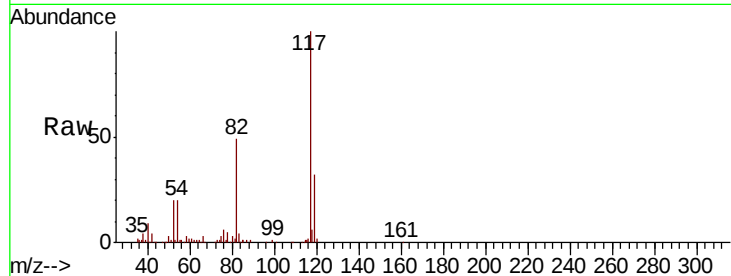




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064071.D
Acq: 25 Oct 2019 17:58

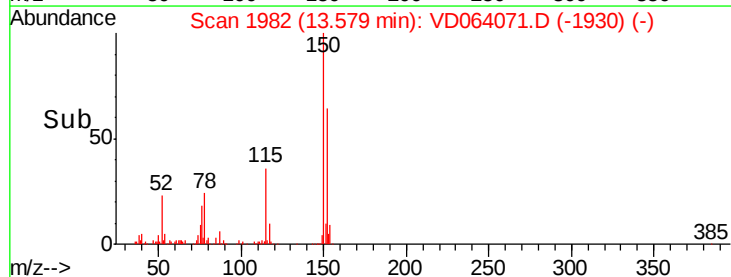
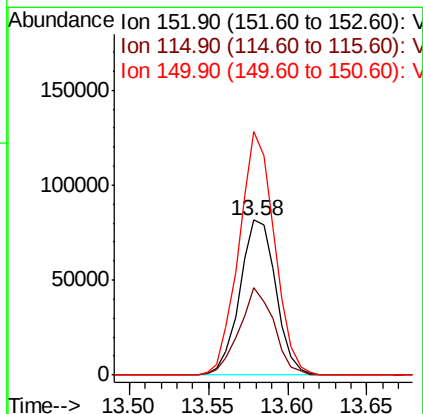
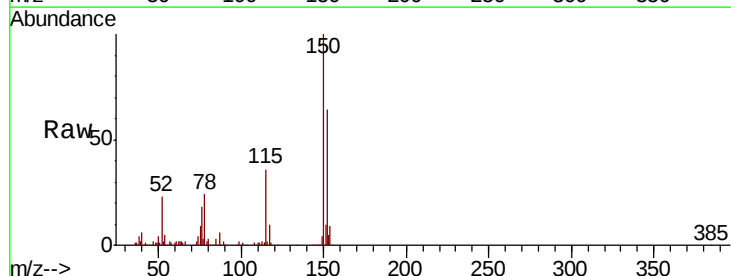
Instrument :
MSVOA_D
ClientSampled :

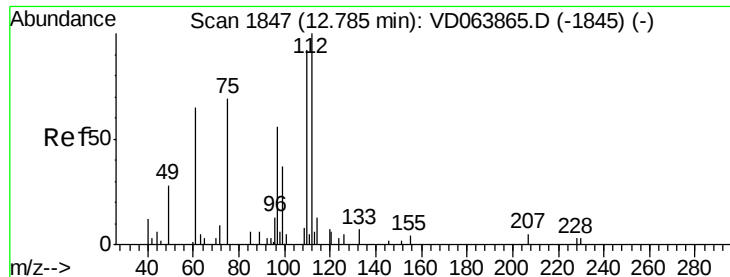
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.1	42.8	64.2
119	32.4	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064071.D
Acq: 25 Oct 2019 17:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	25.9	77.7
150	154.2	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 67.997 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064071.D

Acq: 25 Oct 2019 17:58

Instrument :

MSVOA_D

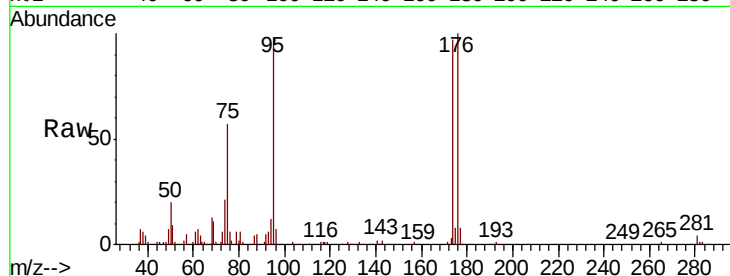
ClientSampleId :

Tot Ion: 75 Resp: 58799

Ion Ratio Lower Upper

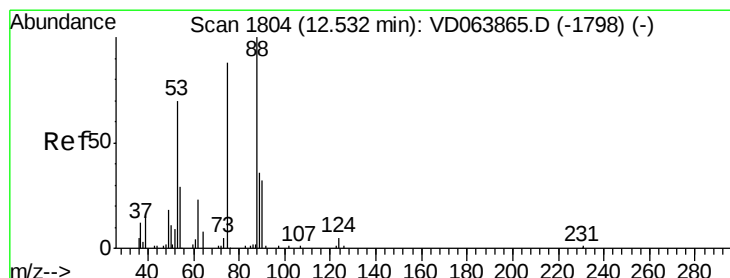
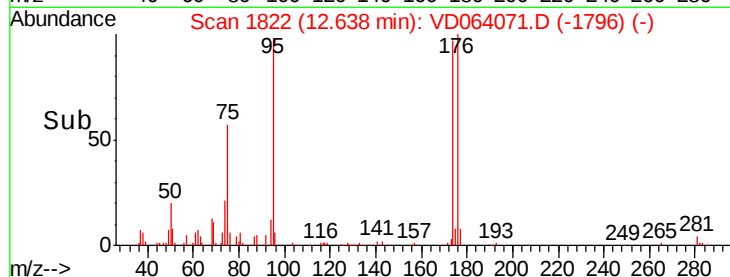
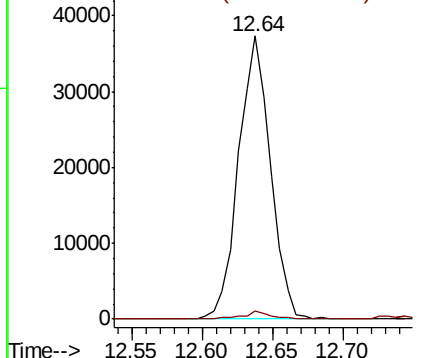
75 100

77 2.2 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: 120.326 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064071.D

Acq: 25 Oct 2019 17:58

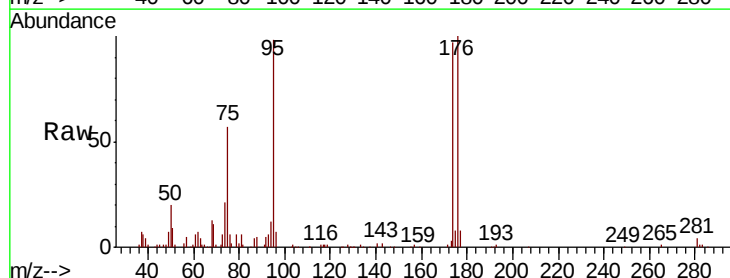
Tgt Ion: 75 Resp: 58799

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

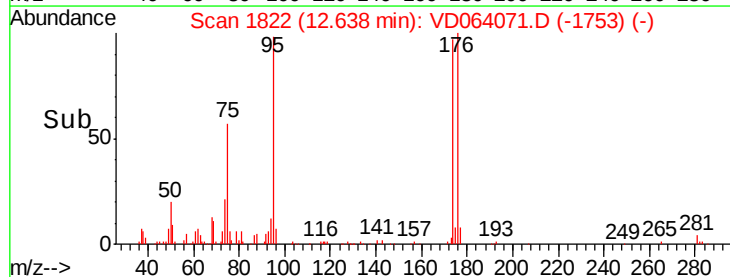
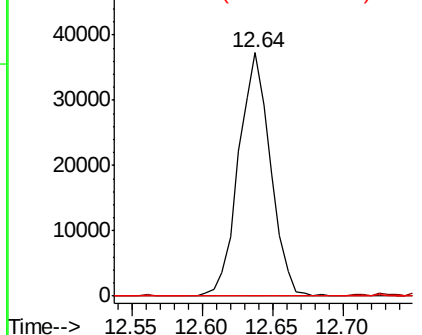
89 0.0 38.2 57.4#

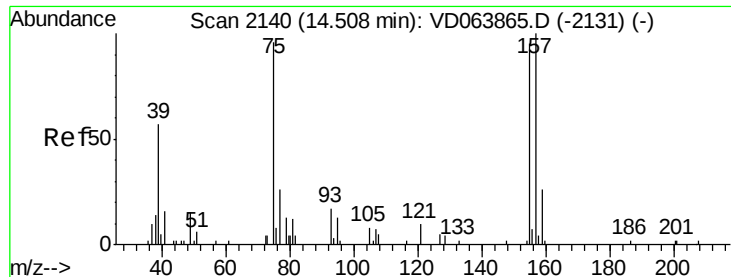


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 14.43 min Scan# 2127

Delta R.T. -0.08 min

Lab File: VD064071.D

Acq: 25 Oct 2019 17:58

Instrument :

MSVOA_D

ClientSampleId :

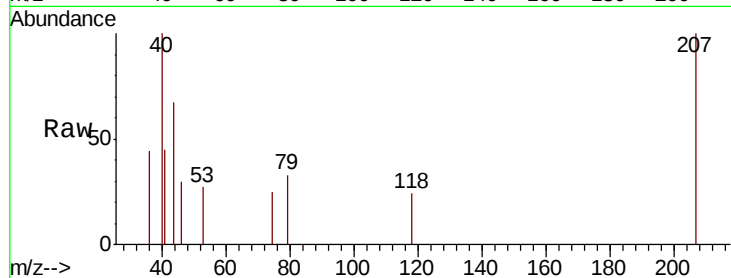
Tot Ion: 75 Resp: 58

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

