

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101819\
 Data File : VD064006.D
 Acq On : 18 Oct 2019 13:00
 Operator : VA/SY
 Sample : K5420-09
 Misc : 6.54G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 19 01:38:32 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	189359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	341408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	340433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	169999	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	106328	57.68	ug/l	0.00
Spiked Amount						
			Recovery	=	115.36%	
35) Dibromofluoromethane	7.92	113	105539	50.58	ug/l	0.00
Spiked Amount						
			Recovery	=	101.16%	
50) Toluene-d8	10.34	98	451148	53.27	ug/l	0.00
Spiked Amount						
			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.64	95	140428	47.72	ug/l	0.00
Spiked Amount						
			Recovery	=	95.44%	

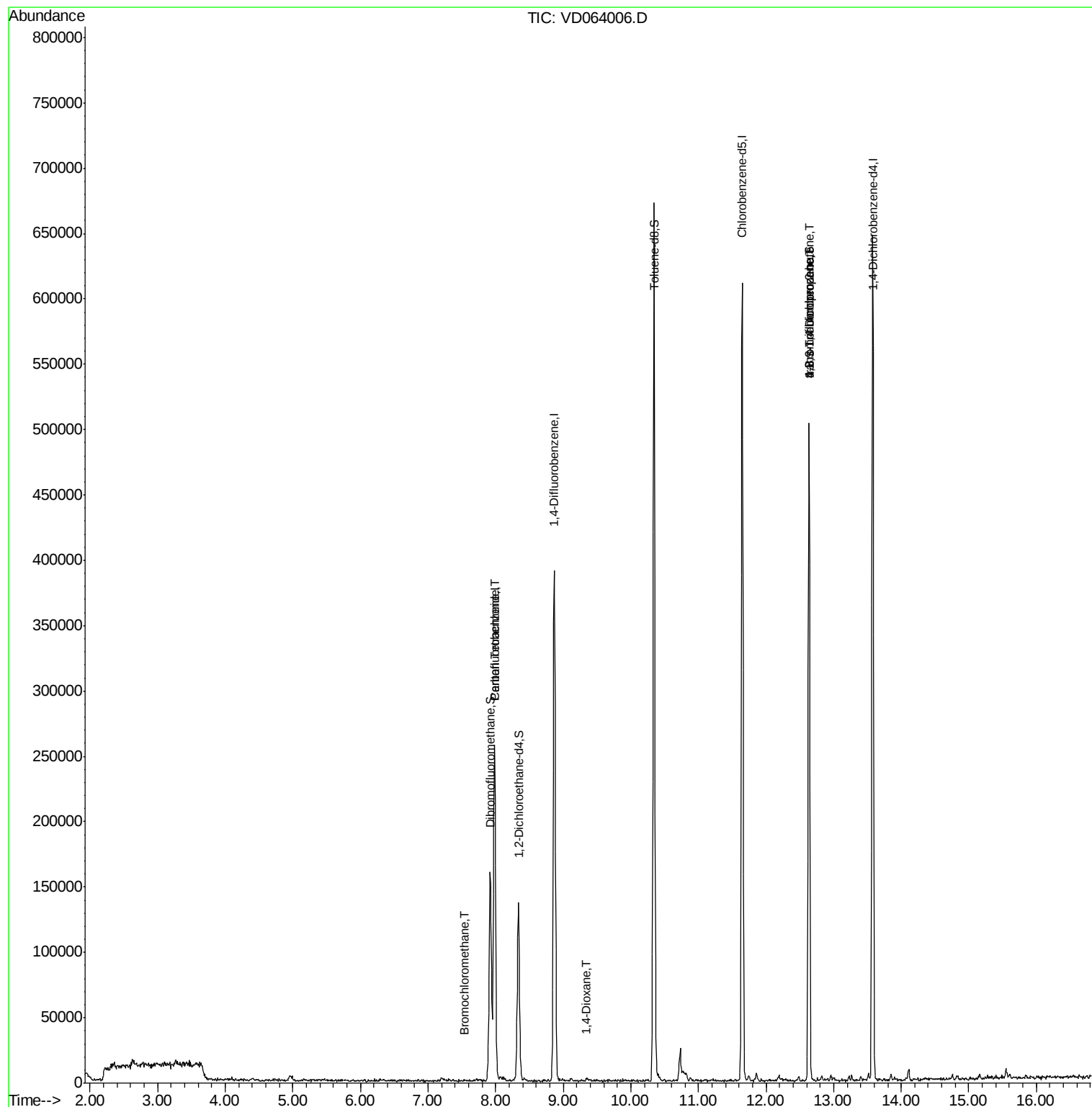
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	1178	Below Cal	#	88
11) Tert butyl alcohol	5.27	59	387	Below Cal	#	17
20) Methylene Chloride	4.96	84	2165	Below Cal	#	85
28) Bromochloromethane	7.54	49	54	1.905	ug/l #	48
31) Cyclohexane	7.99	56	5150	Below Cal	#	52
37) Ethyl Acetate	7.31	43	147	Below Cal	#	68
38) Carbon Tetrachloride	7.99	117	17519	5.554	ug/l #	19
49) 1,4-Dioxane	9.34	88	54	3.173	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	77235	67.833	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	77235	120.037	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.67	75	190	Below Cal	#	1

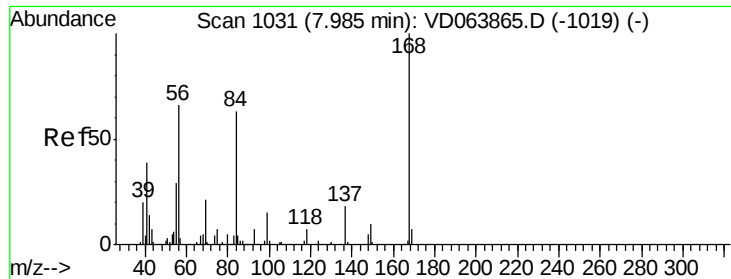
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101819\
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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: 7.99 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064006.D

Acq: 18 Oct 2019 13:00

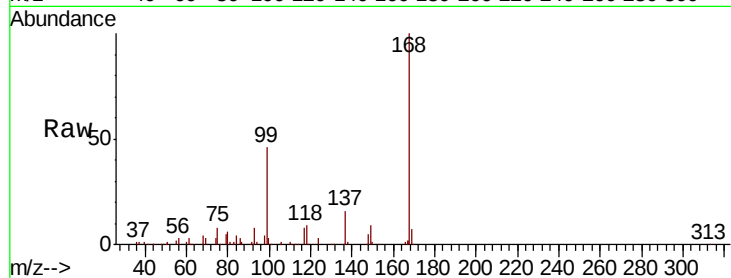
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 189359

Ion Ratio Lower Upper

168 100

99 45.9 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

100000

80000

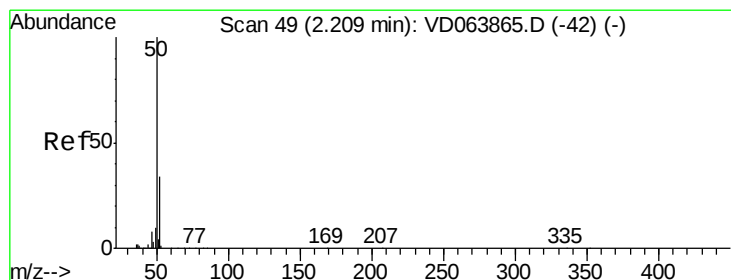
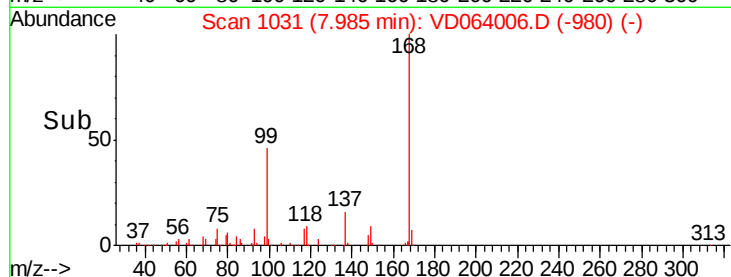
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064006.D

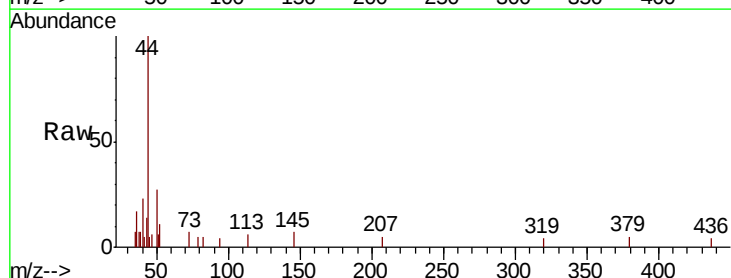
Acq: 18 Oct 2019 13:00

Tgt Ion: 50 Resp: 1178

Ion Ratio Lower Upper

50 100

52 41.5 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

1200

1000

800

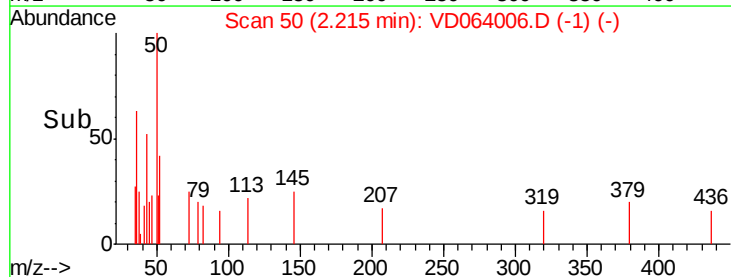
600

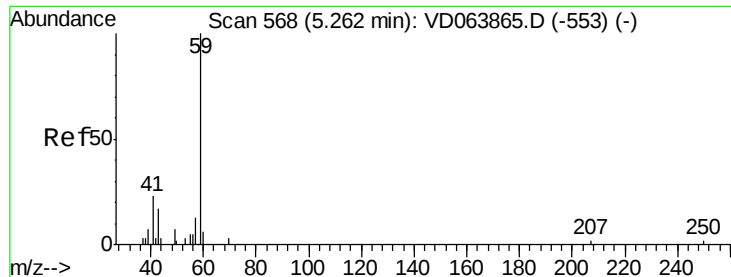
400

200

0

Time-->



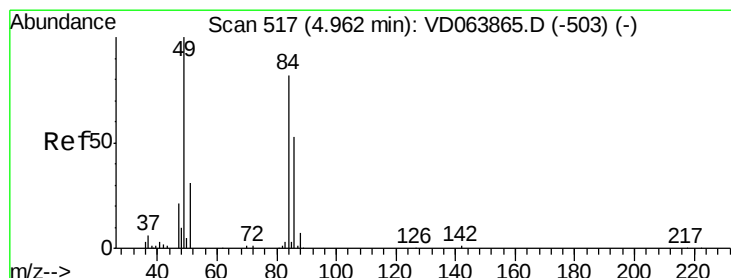
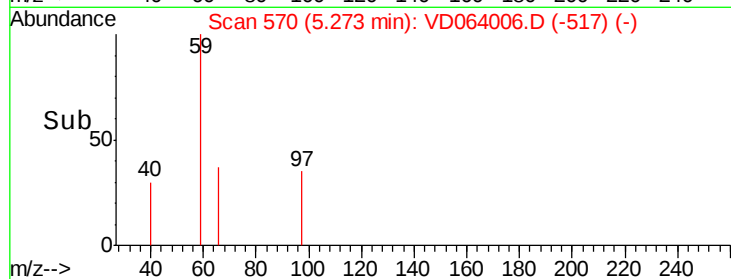
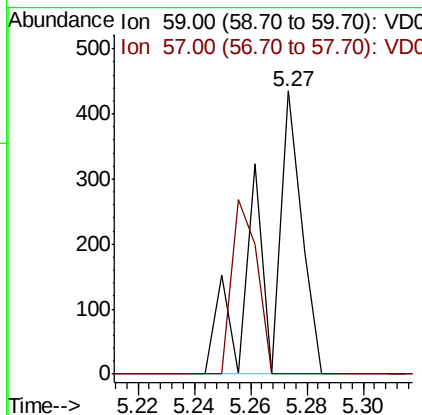
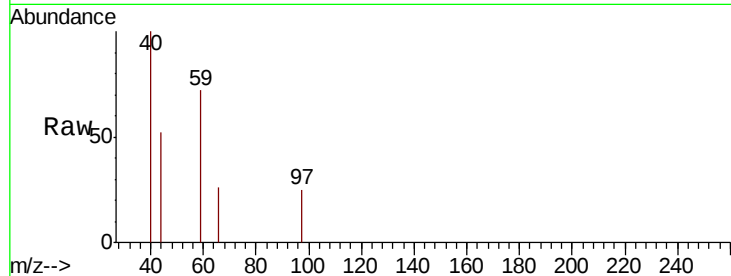


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.27 min Scan# 570
Delta R.T. 0.01 min
Lab File: VD064006.D
Acq: 18 Oct 2019 13:00

Instrument :
MSVOA_D
ClientSampled :

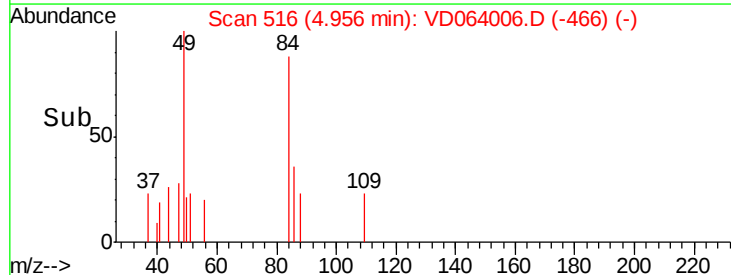
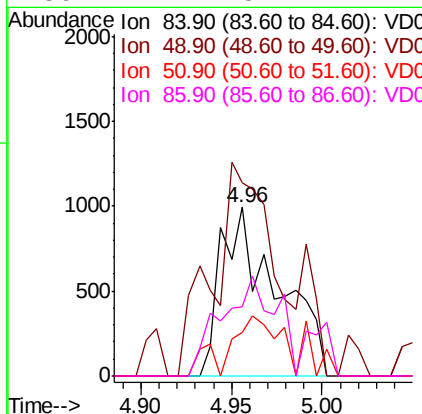
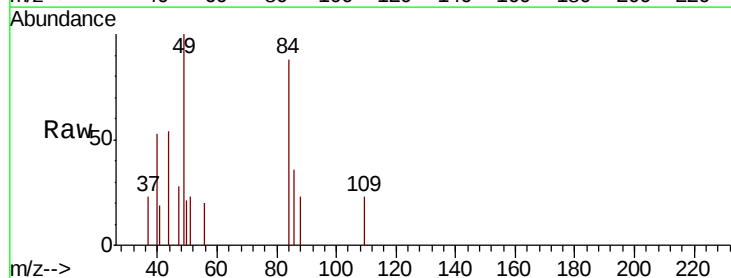
Tot Ion: 59 Resp: 387
Ion Ratio Lower Upper
59 100
57 42.6 8.8 13.2#

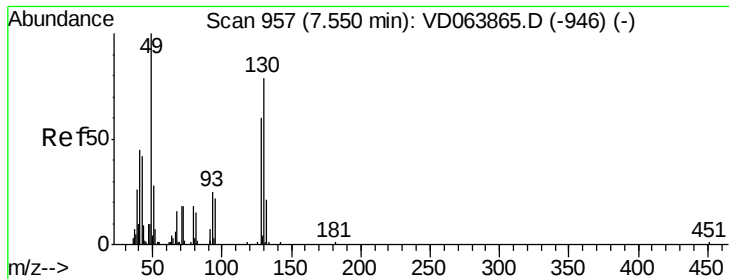


#20

Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064006.D
Acq: 18 Oct 2019 13:00

Tgt Ion: 84 Resp: 2165
Ion Ratio Lower Upper
84 100
49 114.3 97.3 145.9
51 25.9 30.1 45.1#
86 41.2 51.4 77.2#

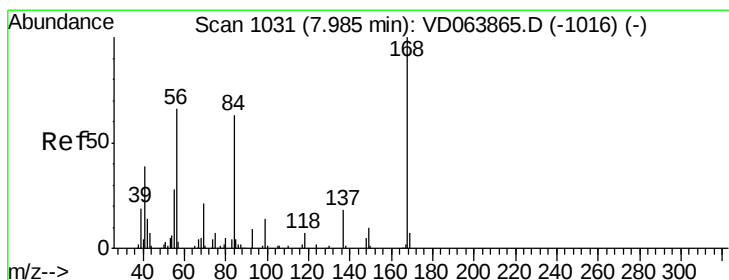
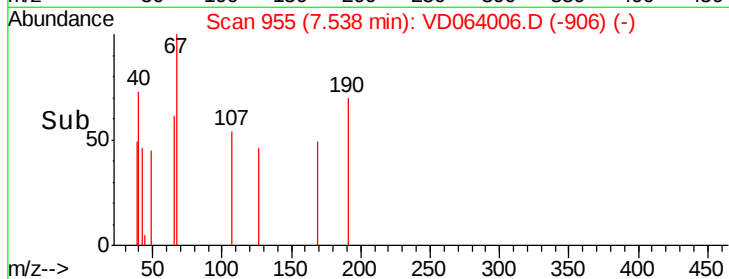
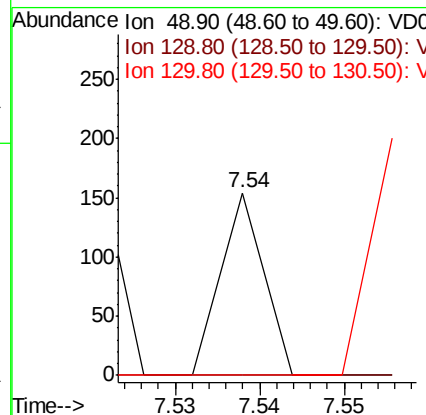
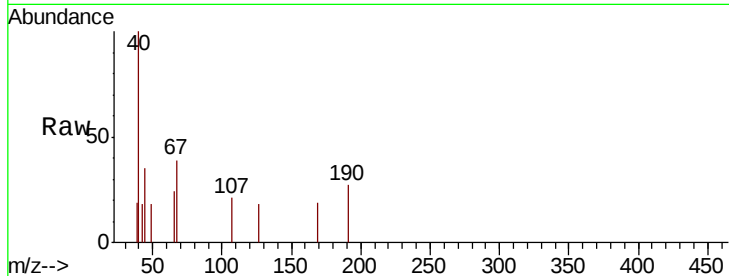




#28
Bromochloromethane
Concen: 1.905 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD064006.D
Acq: 18 Oct 2019 13:00

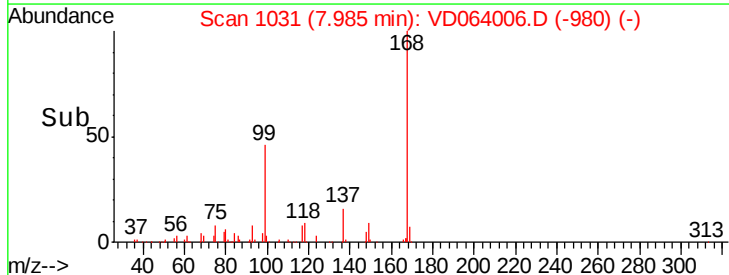
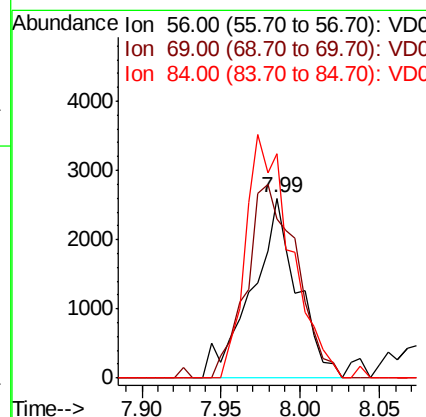
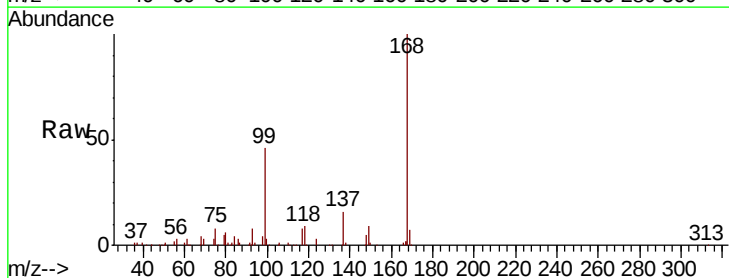
Instrument :
MSVOA_D
ClientSampled :

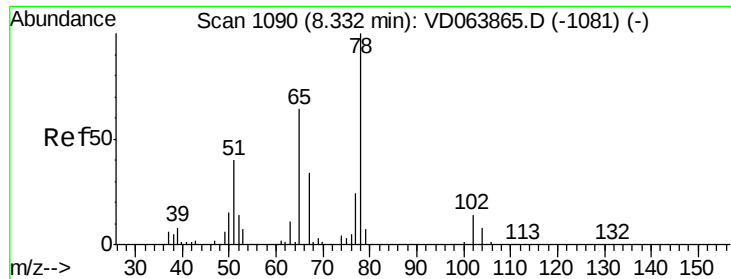
Tot Ion: 49 Resp: 54
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 131.5 66.8 100.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064006.D
Acq: 18 Oct 2019 13:00

Tgt Ion: 56 Resp: 5150
Ion Ratio Lower Upper
56 100
69 88.6 25.0 37.4#
84 124.7 76.3 114.5#





#33

1,2-Dichloroethane-d4

Concen: 57.676 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD064006.D

Acq: 18 Oct 2019 13:00

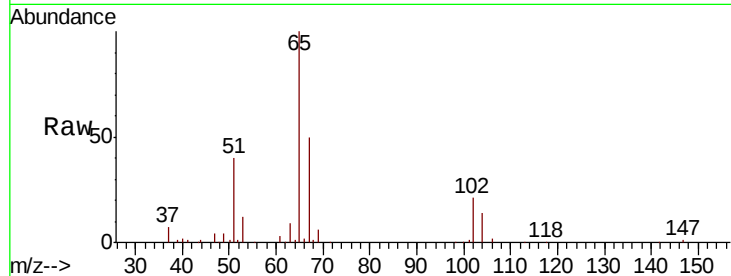
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 106328

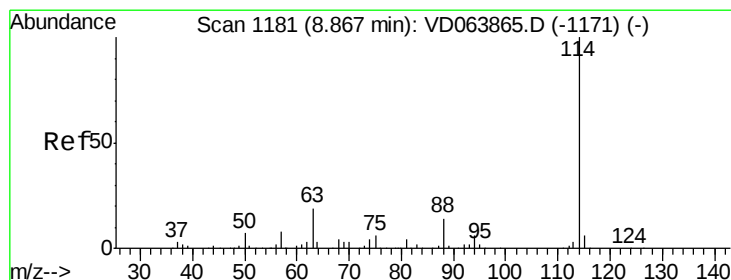
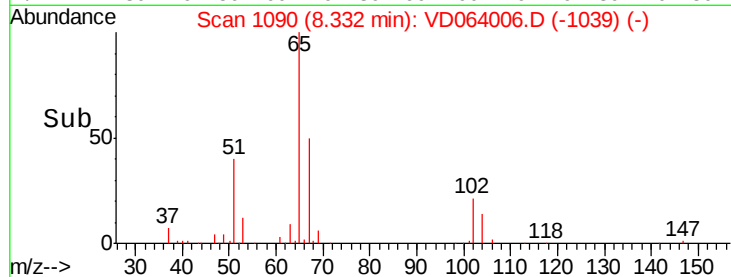
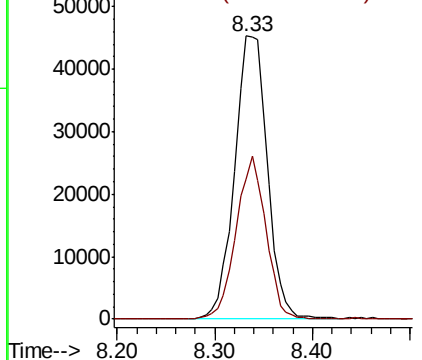
Ion Ratio Lower Upper

65 100

67 52.4 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: VD064006.D

Acq: 18 Oct 2019 13:00

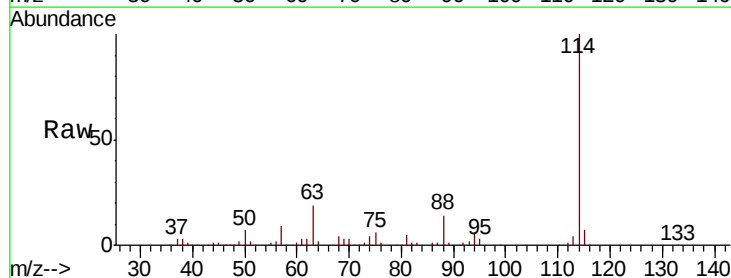
Tgt Ion: 114 Resp: 341408

Ion Ratio Lower Upper

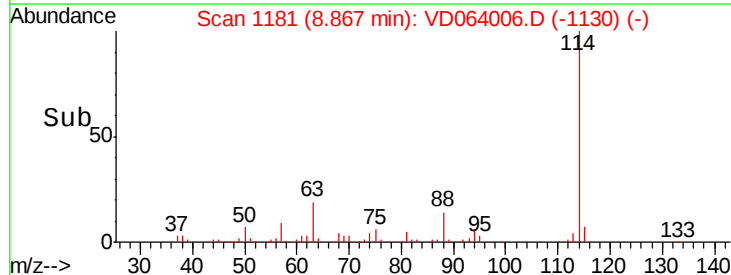
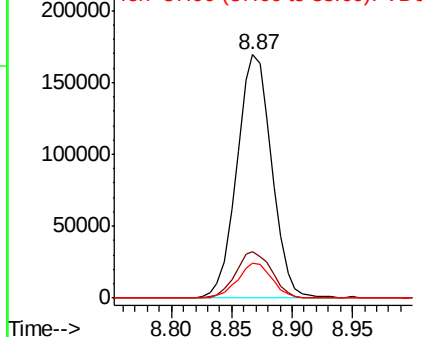
114 100

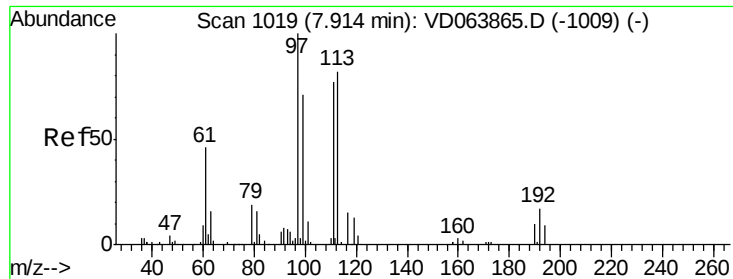
63 18.9 0.0 38.4

88 14.4 0.0 27.4



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

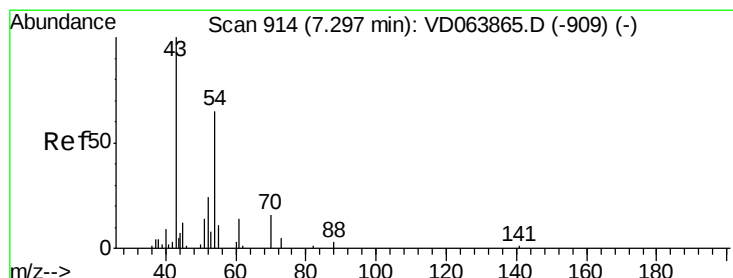
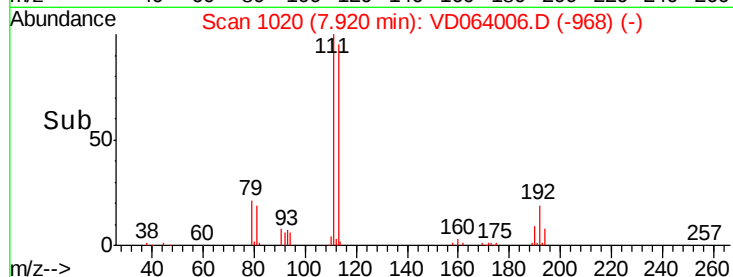
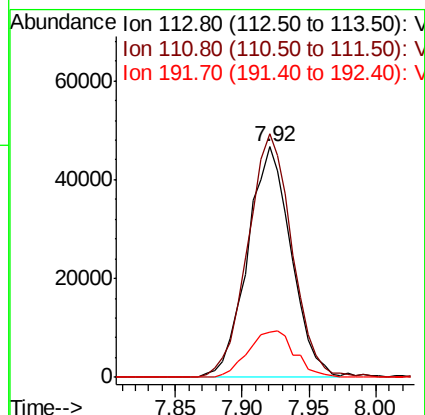
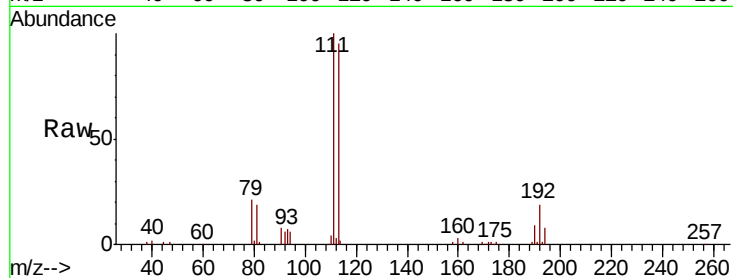




#35
 Dibromofluoromethane
 Concen: 50.583 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064006.D
 Acq: 18 Oct 2019 13:00

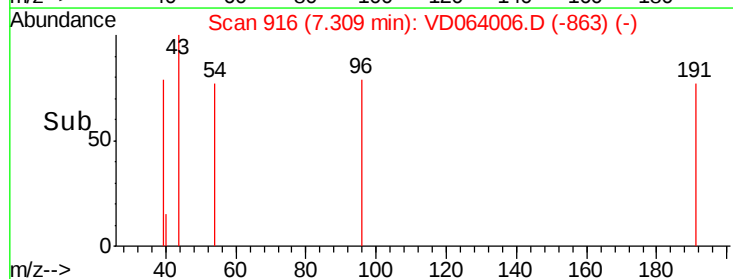
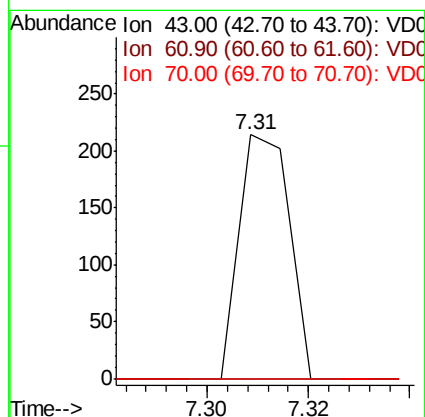
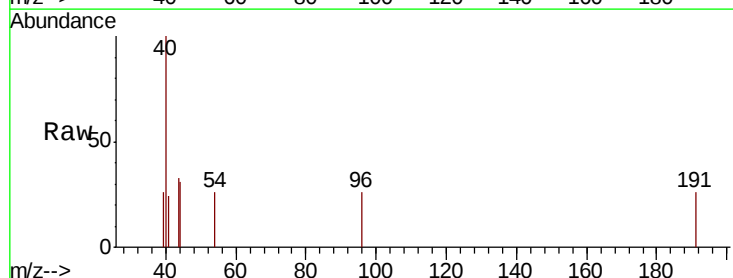
Instrument :
 MSVOA_D
 ClientSampleId :

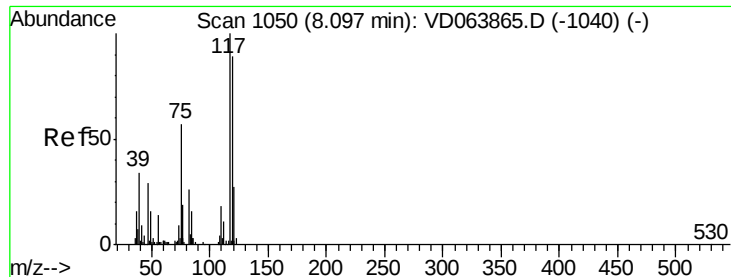
Tot Ion	Ratio	Lower	Upper
113	100		
111	107.2	82.6	123.8
192	21.4	17.1	25.7



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.31 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VD064006.D
 Acq: 18 Oct 2019 13:00

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





#38

Carbon Tetrachloride

Concen: 5.554 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064006.D

Acq: 18 Oct 2019 13:00

Instrument :

MSVOA_D

ClientSampled :

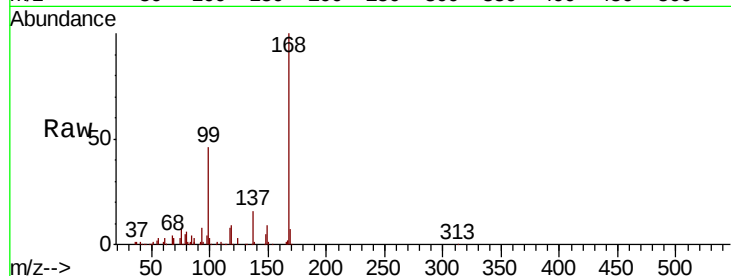
Tot Ion:117 Resp: 17519

Ion Ratio Lower Upper

117 100

119 4.5 70.8 106.2#

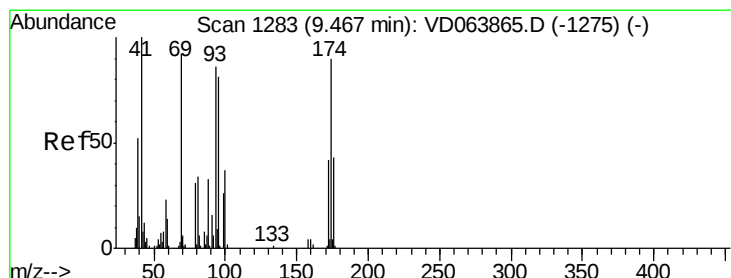
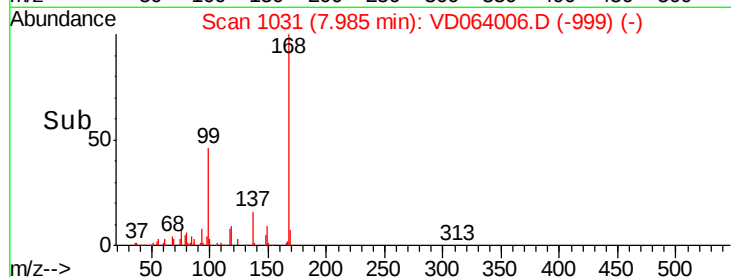
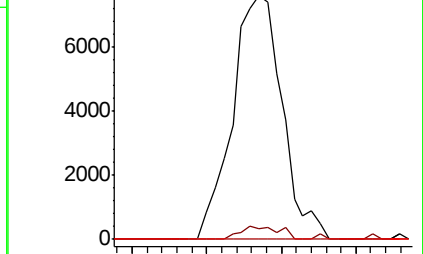
121 0.0 21.4 32.0#



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: 3.173 ug/l

RT: 9.34 min Scan# 1261

Delta R.T. -0.13 min

Lab File: VD064006.D

Acq: 18 Oct 2019 13:00

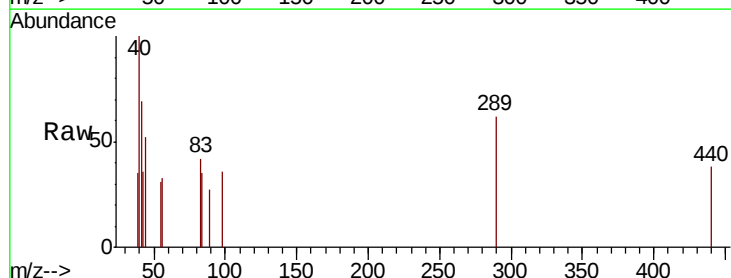
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 144.4 27.6 41.4#

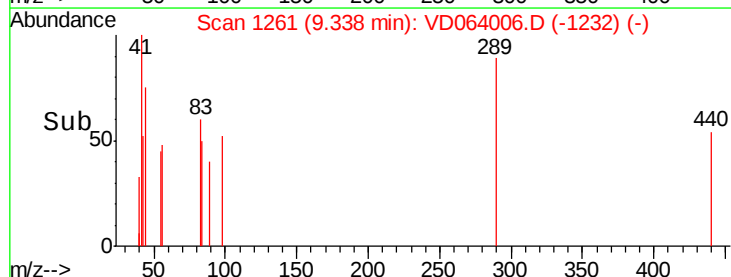
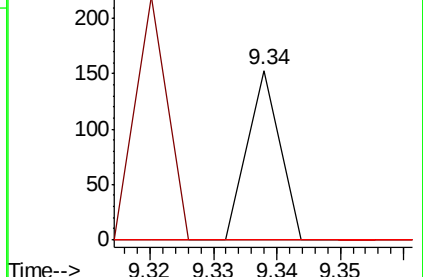
58 0.0 54.1 81.1#

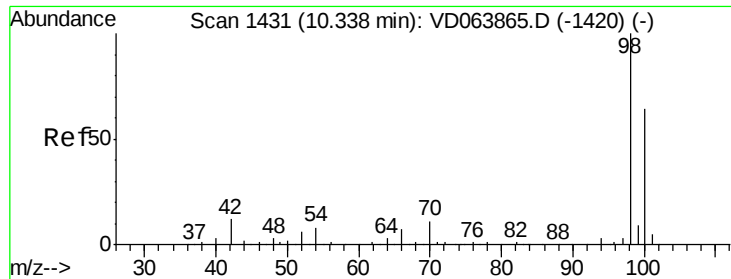


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

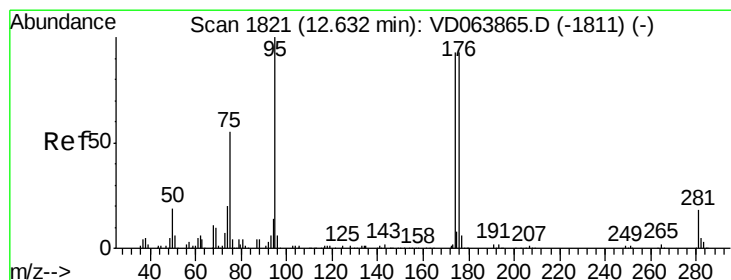
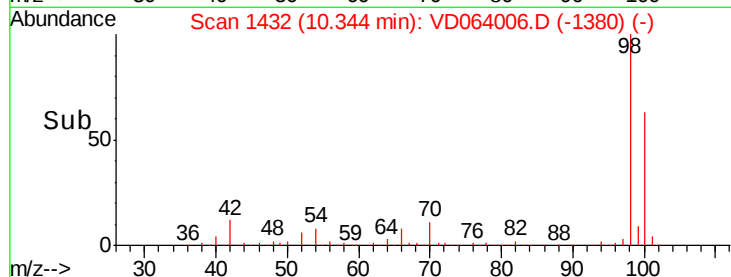
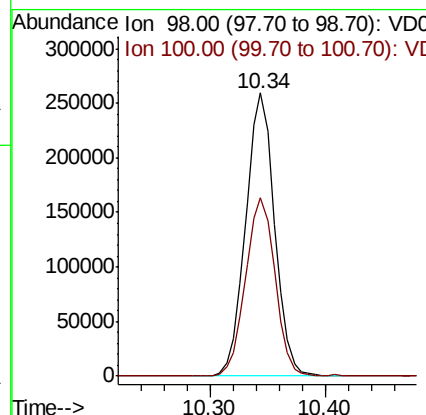
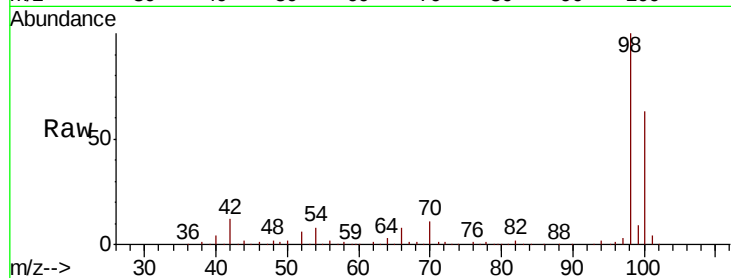




#50
Toluene-d8
Concen: 53.273 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064006.D
Acq: 18 Oct 2019 13:00

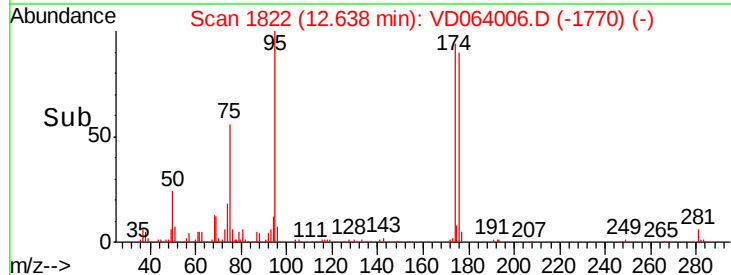
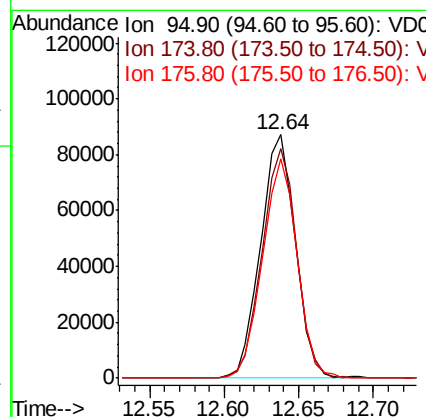
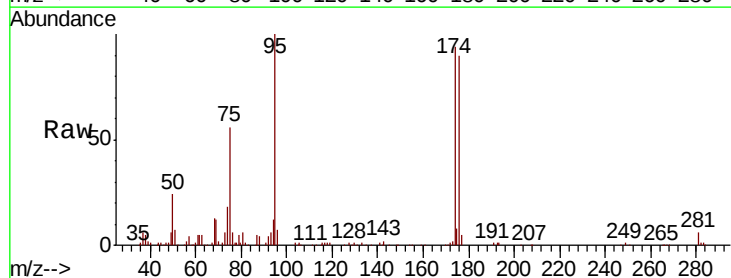
Instrument :
MSVOA_D
ClientSampled :

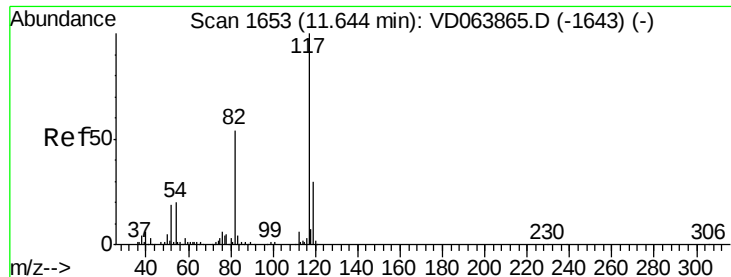
Tot Ion: 98 Resp: 451148
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.719 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064006.D
Acq: 18 Oct 2019 13:00

Tgt Ion: 95 Resp: 140428
Ion Ratio Lower Upper
95 100
174 93.6 0.0 186.4
176 89.3 0.0 184.2

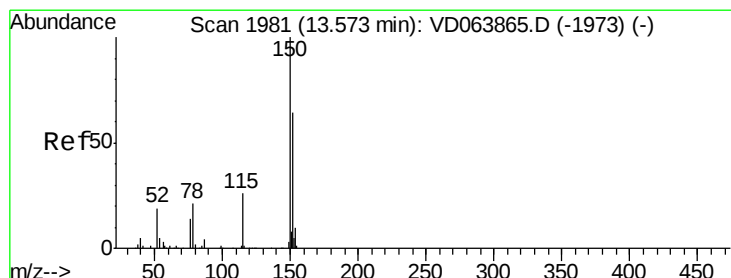
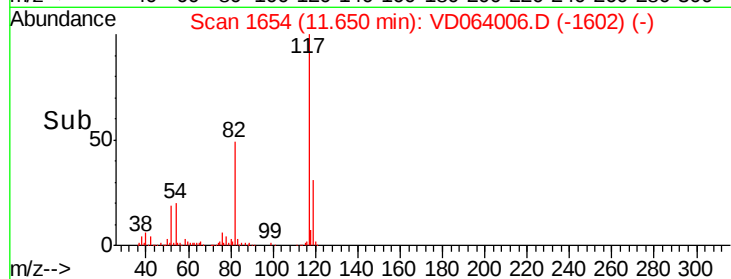
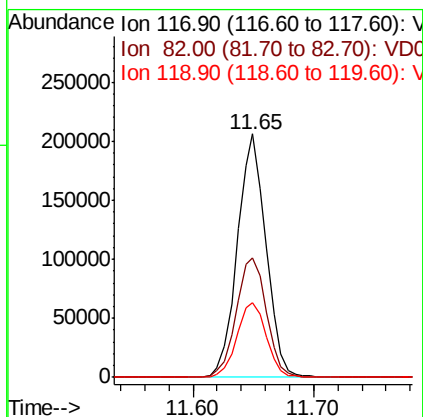
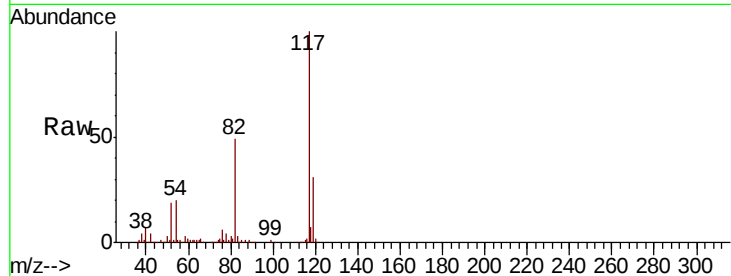




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064006.D
Acq: 18 Oct 2019 13:00

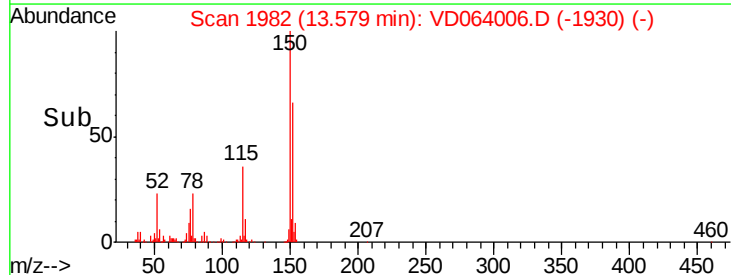
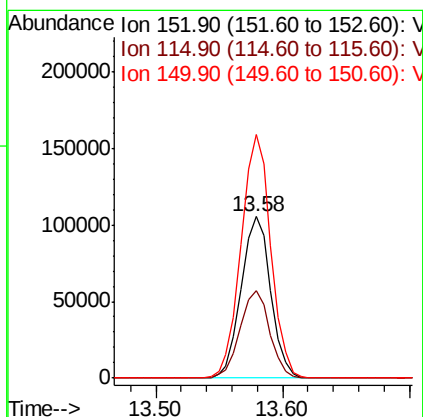
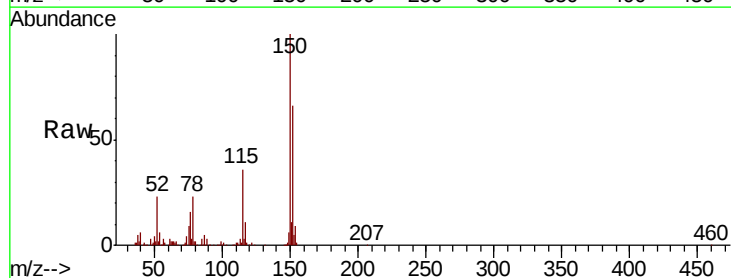
Instrument :
MSVOA_D
ClientSampled :

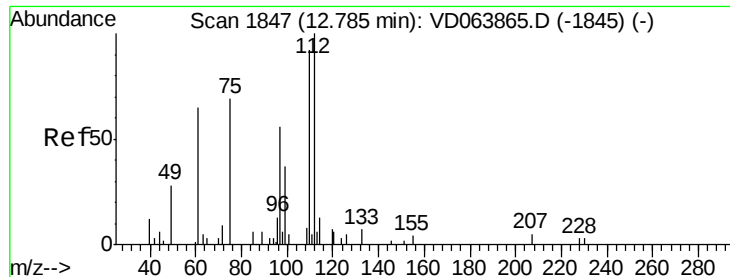
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.0	42.8	64.2
119	30.6	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064006.D
Acq: 18 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	25.9	77.7
150	152.1	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 67.833 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064006.D

Acq: 18 Oct 2019 13:00

Instrument :

MSVOA_D

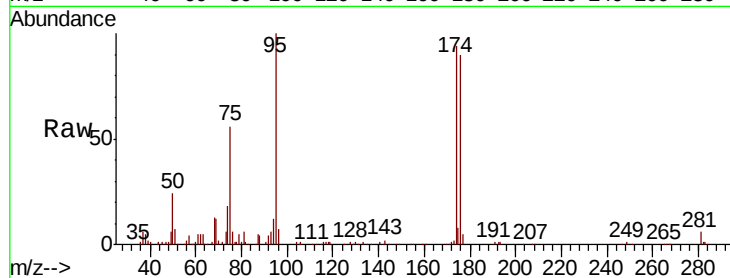
ClientSampled :

Tot Ion: 75 Resp: 77235

Ion Ratio Lower Upper

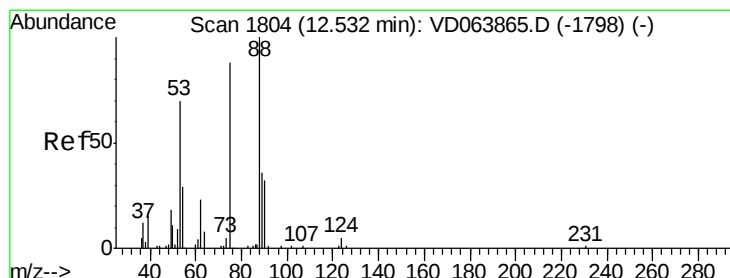
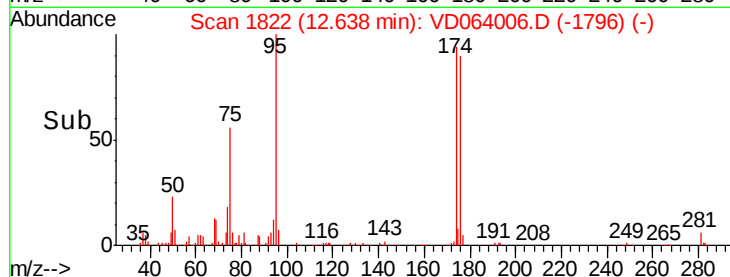
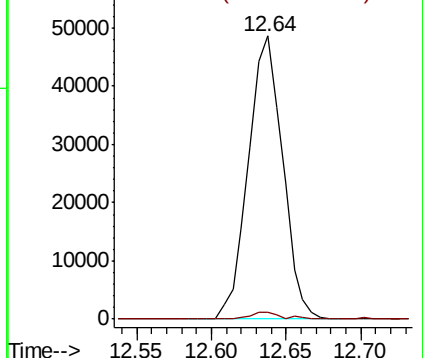
75 100

77 2.0 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: 120.037 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064006.D

Acq: 18 Oct 2019 13:00

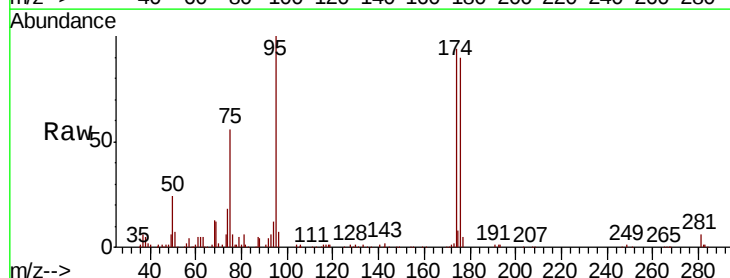
Tgt Ion: 75 Resp: 77235

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

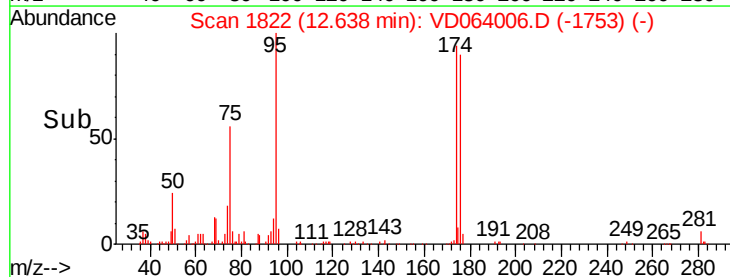
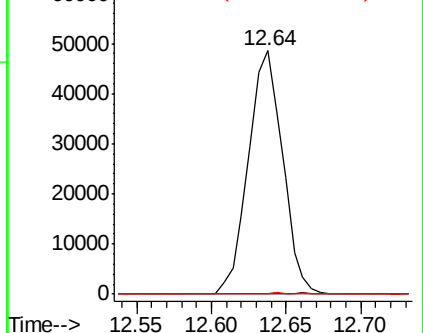
89 0.1 38.2 57.4#

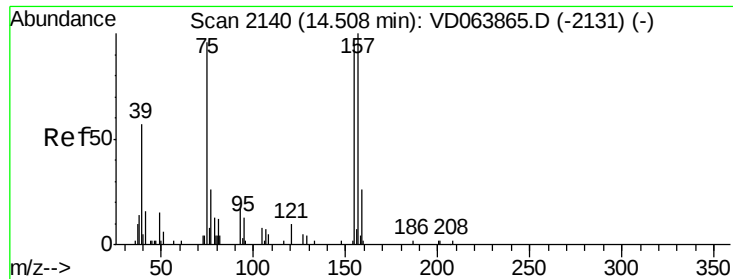


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 14.67 min Scan# 2168

Delta R.T. 0.16 min

Lab File: VD064006.D

Acq: 18 Oct 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

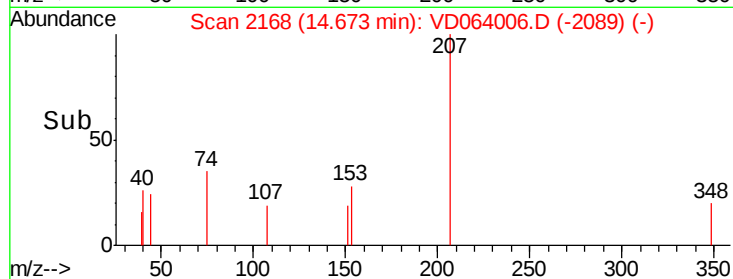
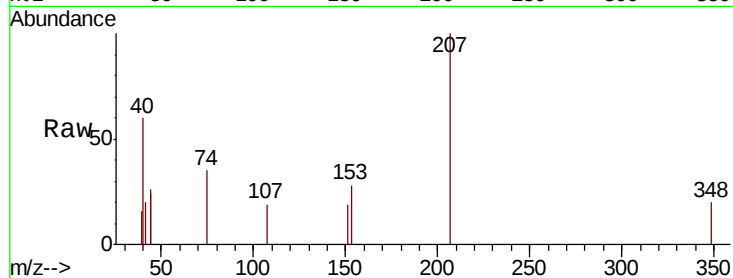
Tot Ion: 75 Resp: 190

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

