

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064078.D
 Acq On : 25 Oct 2019 21:16
 Operator : VA/SY
 Sample : K5542-02
 Misc : 6.74G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:07:37 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	145759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	257521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	275085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	131297	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	77440	54.57	ug/l	0.00
Spiked Amount						
						Recovery = 109.14%
35) Dibromofluoromethane	7.92	113	79254	50.36	ug/l	0.00
Spiked Amount						
						Recovery = 100.72%
50) Toluene-d8	10.34	98	344759	53.97	ug/l	0.00
Spiked Amount						
						Recovery = 107.94%
62) 4-Bromofluorobenzene	12.64	95	104327	47.00	ug/l	0.00
Spiked Amount						
						Recovery = 94.00%

Target Compounds

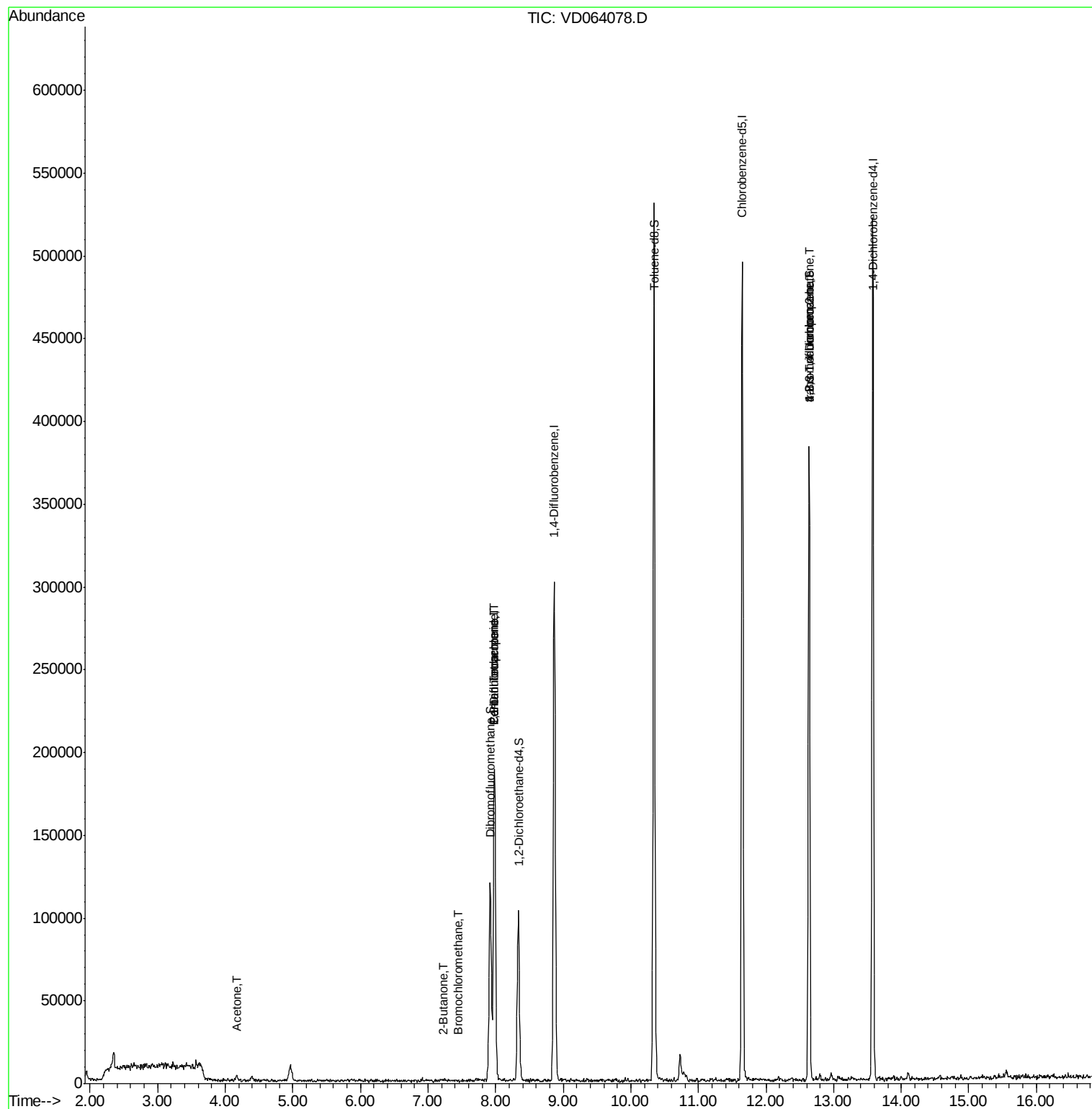
					Qvalue
3) Chloromethane	2.21	50	114	Below Cal	# 40
11) Tert butyl alcohol	5.10	59	62	Below Cal	# 71
16) Acetone	4.16	43	4487	12.145	ug/l 100
20) Methylene Chloride	4.94	84	2835	Below Cal	# 57
25) 2-Butanone	7.23	43	2232	5.098	ug/l # 90
28) Bromochloromethane	7.45	49	60	1.924	ug/l # 10
31) Cyclohexane	8.00	56	3861	Below Cal	# 81
36) 1,1-Dichloropropene	7.98	75	11564	4.911	ug/l # 52
37) Ethyl Acetate	7.30	43	84	Below Cal	# 68
38) Carbon Tetrachloride	7.97	117	14228	5.980	ug/l # 15
76) 1,2,3-Trichloropropane	12.64	75	58945	67.029	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.64	75	58945	118.615	ug/l # 12
92) 1,2-Dibromo-3-Chloropropan	14.48	75	55	Below Cal	# 48

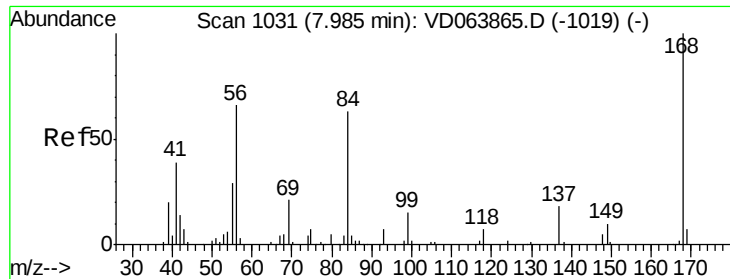
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102519\
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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: VD064078.D

Acq: 25 Oct 2019 21:16

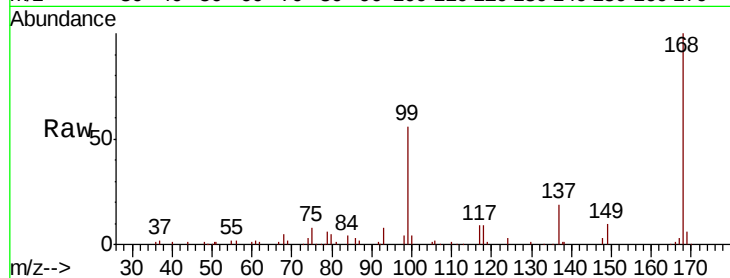
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 145759

Ion Ratio Lower Upper

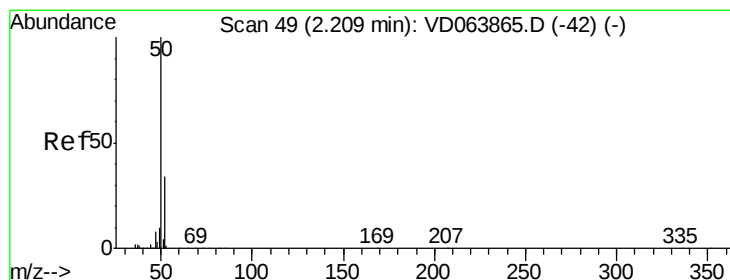
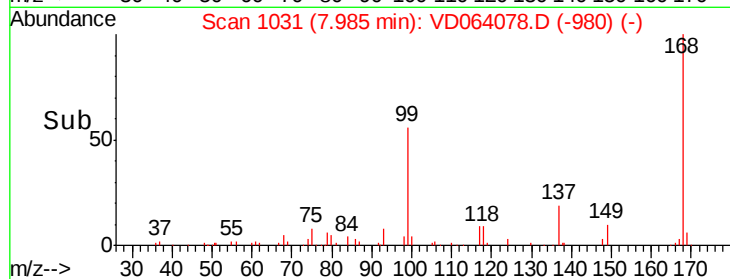
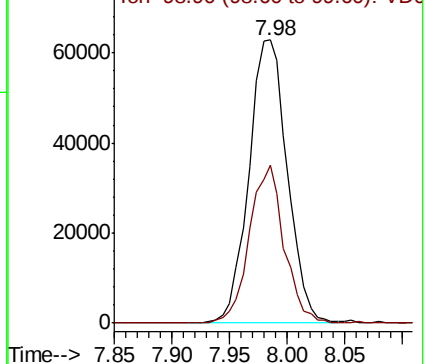
168 100

99 55.7 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: VD064078.D

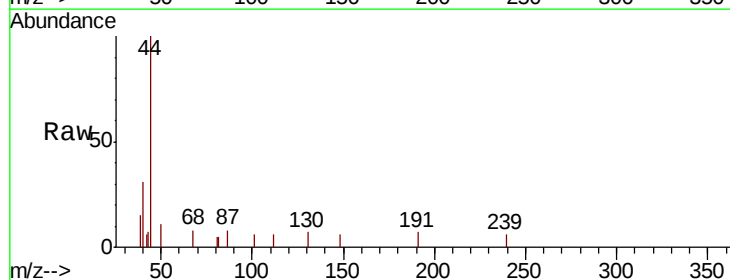
Acq: 25 Oct 2019 21:16

Tgt Ion: 50 Resp: 114

Ion Ratio Lower Upper

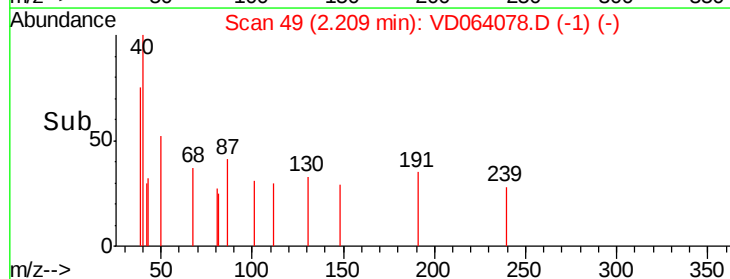
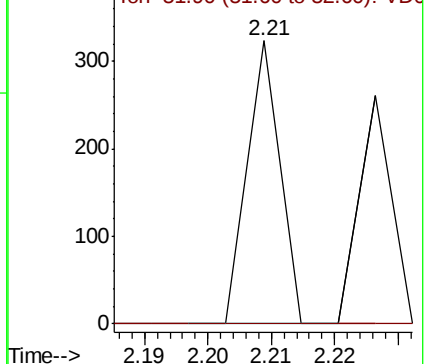
50 100

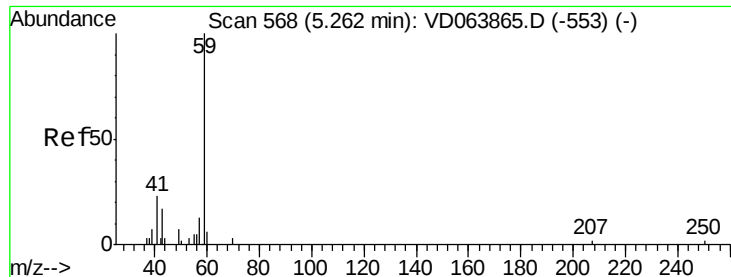
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



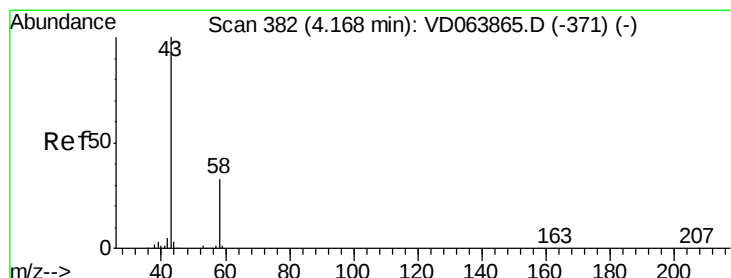
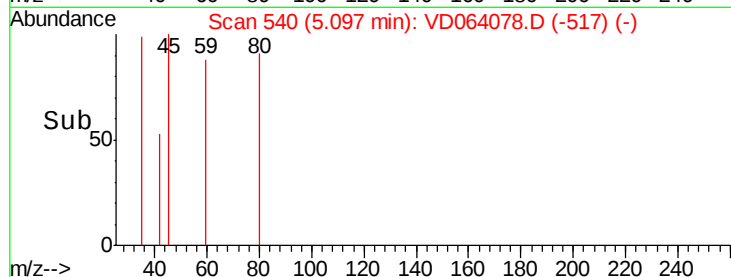
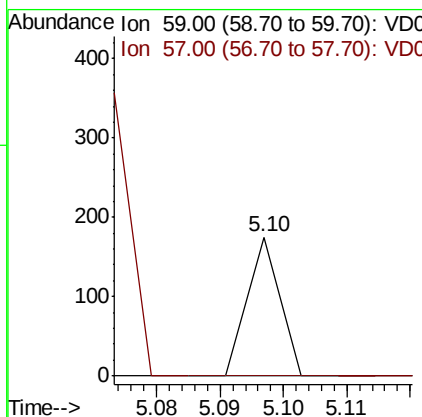
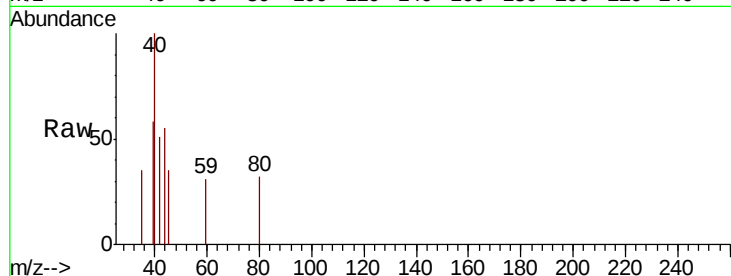


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.10 min Scan# 540
 Delta R.T. -0.16 min
 Lab File: VD064078.D
 Acq: 25 Oct 2019 21:16

Instrument :
 MSVOA_D
 ClientSampleId :

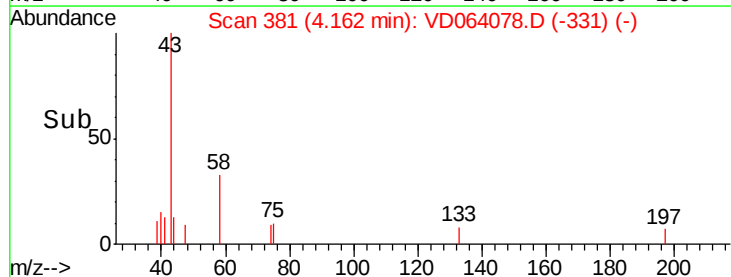
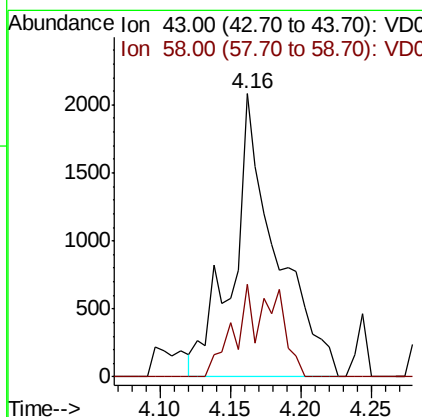
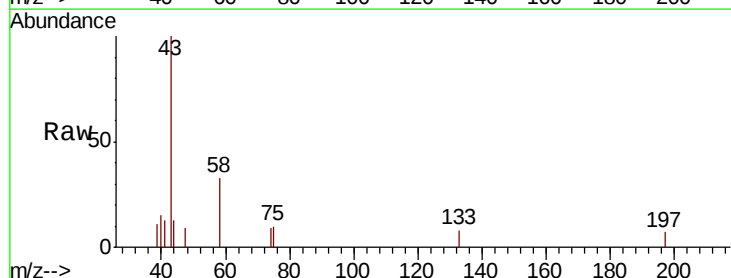
Tot Ion: 59 Resp: 62
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

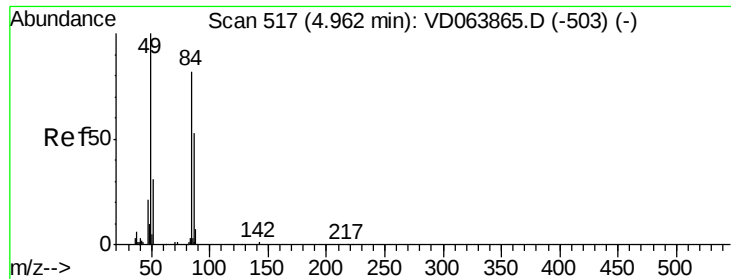


#16

Acetone
 Concen: 12.145 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD064078.D
 Acq: 25 Oct 2019 21:16

Tgt Ion: 43 Resp: 4487
 Ion Ratio Lower Upper
 43 100
 58 33.0 26.2 39.4

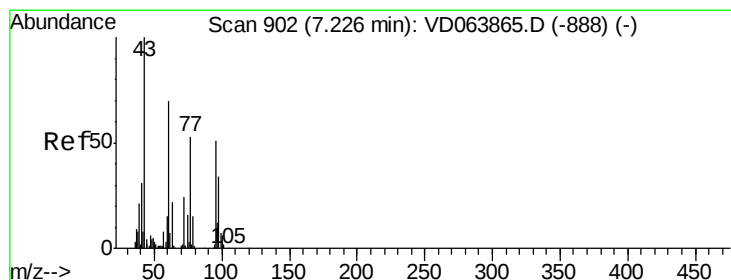
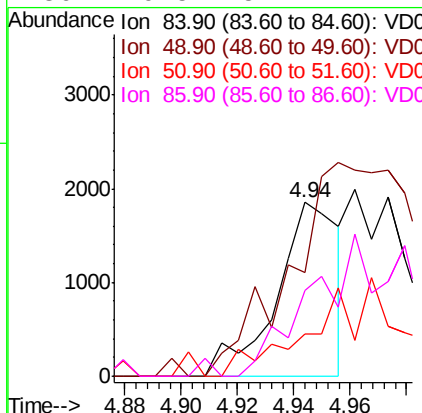
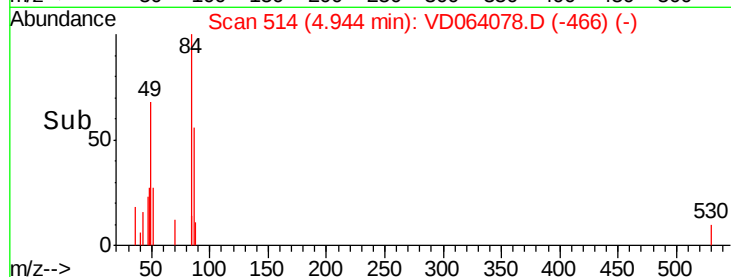
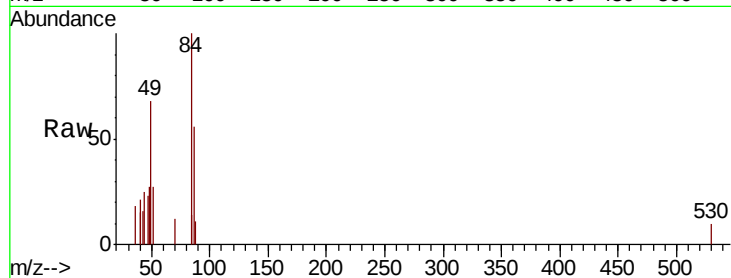




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.94 min Scan# 514
Delta R.T. -0.02 min
Lab File: VD064078.D
Acq: 25 Oct 2019 21:16

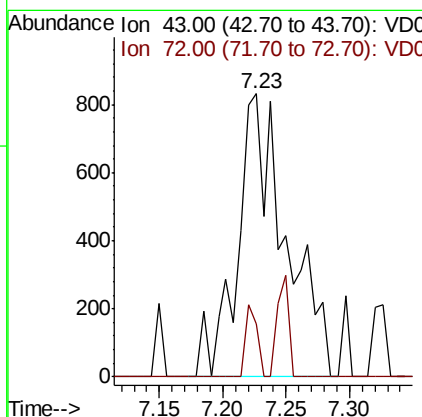
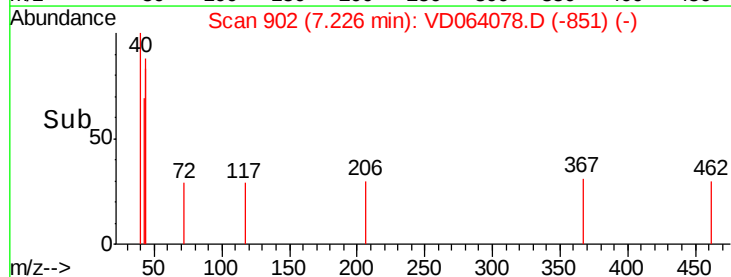
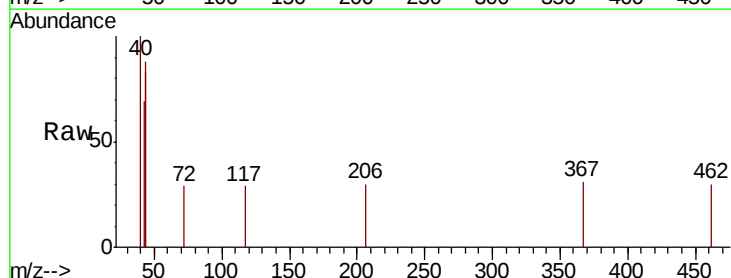
Instrument :
MSVOA_D
ClientSampleId :

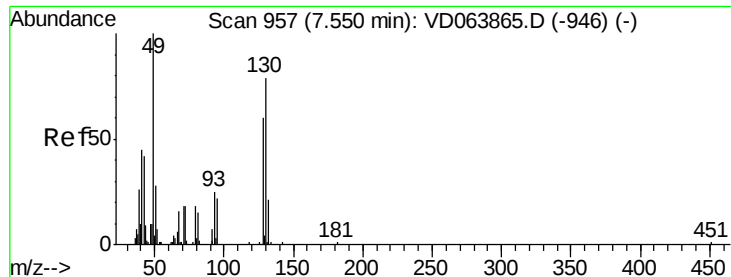
Tot Ion: 84 Resp: 2835
Ion Ratio Lower Upper
84 100
49 59.7 97.3 145.9#
51 9.8 30.1 45.1#
86 49.5 51.4 77.2#



#25
2-Butanone
Concen: 5.098 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD064078.D
Acq: 25 Oct 2019 21:16

Tgt Ion: 43 Resp: 2232
Ion Ratio Lower Upper
43 100
72 18.9 19.2 28.8#

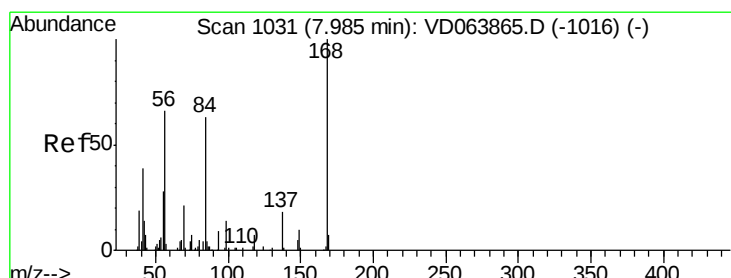
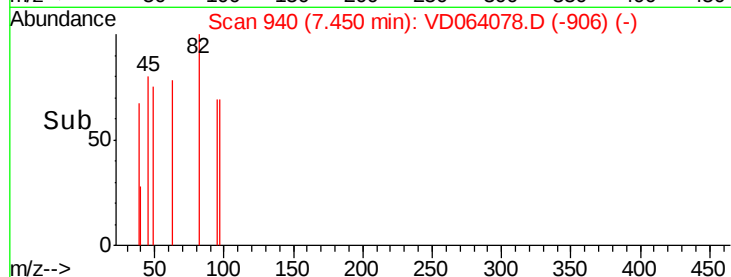
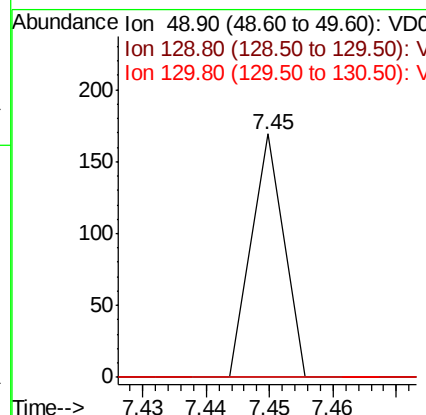
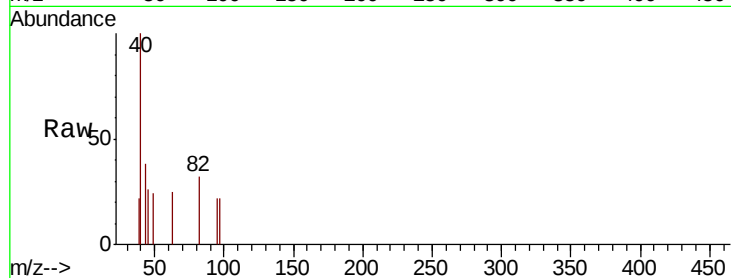




#28
Bromochloromethane
Concen: 1.924 ug/l
RT: 7.45 min Scan# 940
Delta R.T. -0.10 min
Lab File: VD064078.D
Acq: 25 Oct 2019 21:16

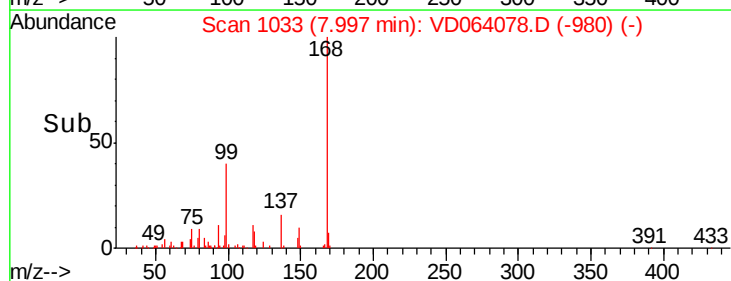
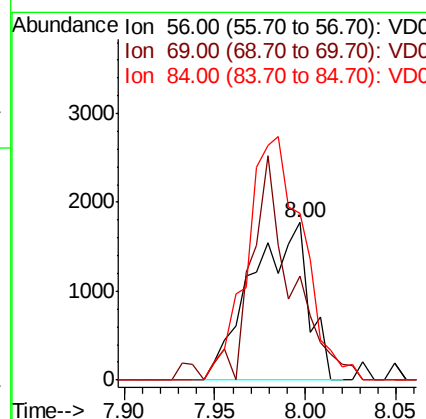
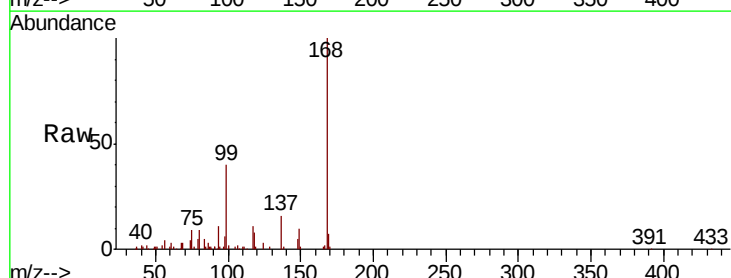
Instrument :
MSVOA_D
ClientSampleId :

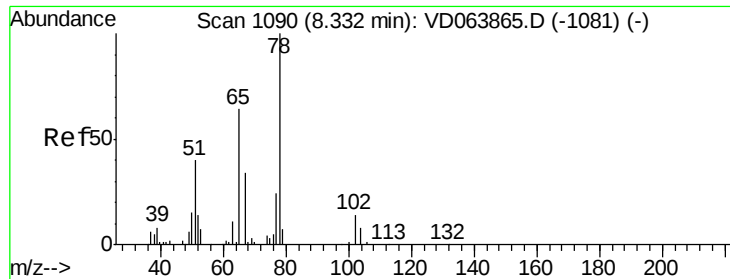
Tot Ion: 49 Resp: 60
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.00 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VD064078.D
Acq: 25 Oct 2019 21:16

Tgt Ion: 56 Resp: 3861
Ion Ratio Lower Upper
56 100
69 56.4 25.0 37.4#
84 105.7 76.3 114.5

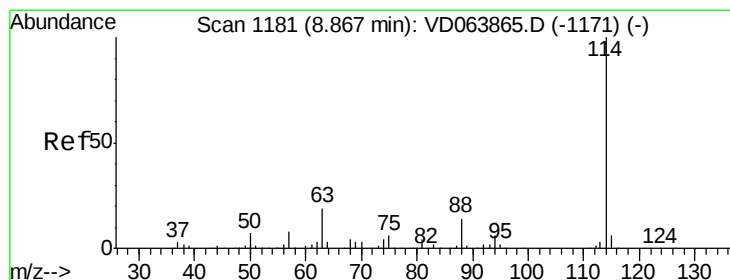
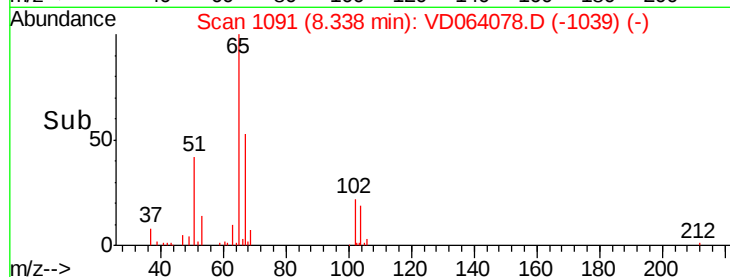
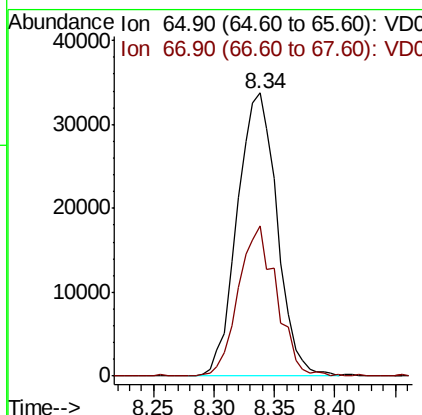
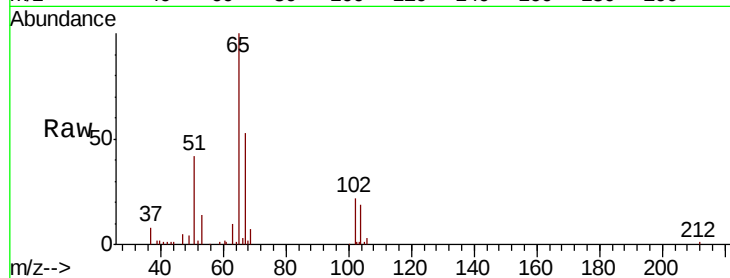




#33
 1,2-Dichloroethane-d4
 Concen: 54.571 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064078.D
 Acq: 25 Oct 2019 21:16

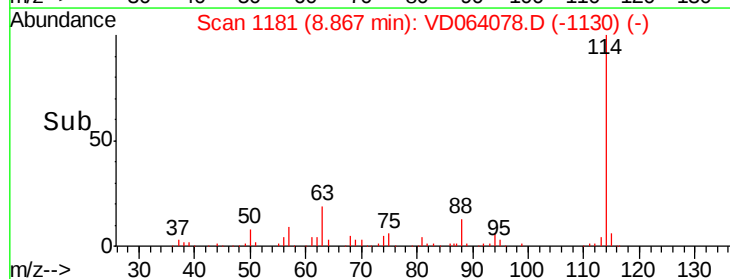
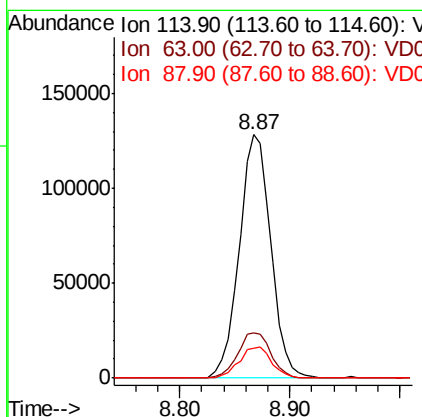
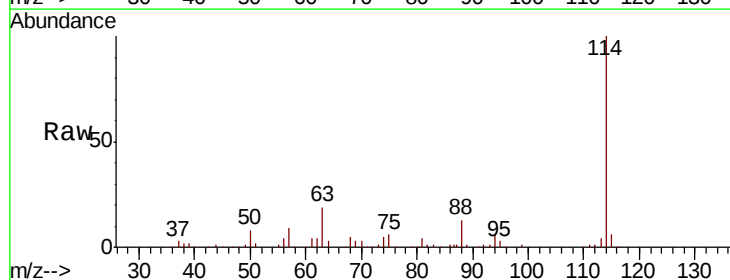
Instrument :
 MSVOA_D
 ClientSampleId :

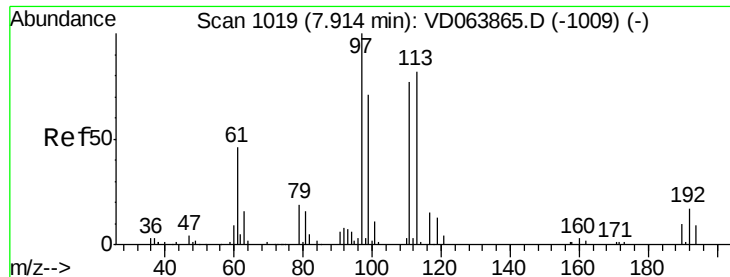
Tot Ion: 65 Resp: 77440
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064078.D
 Acq: 25 Oct 2019 21:16

Tgt Ion:114 Resp: 257521
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 12.5 0.0 27.4

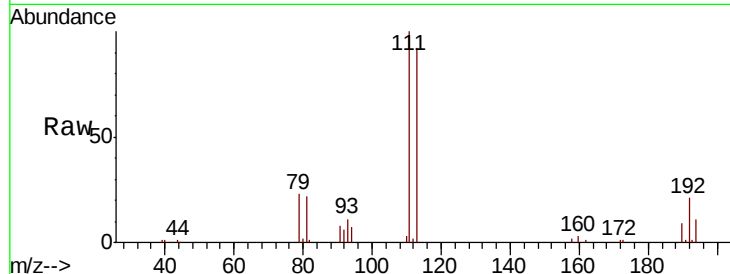




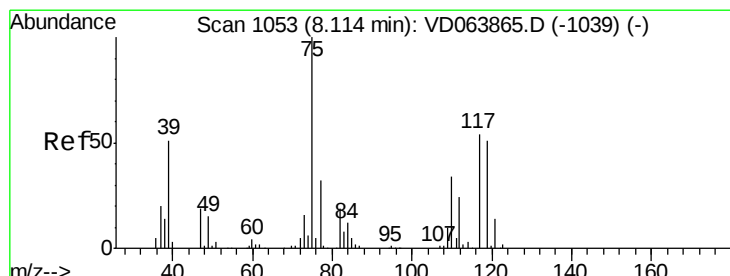
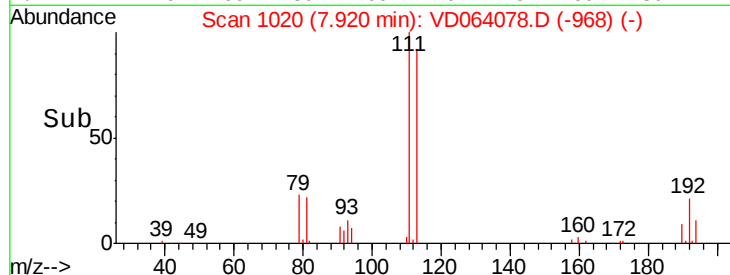
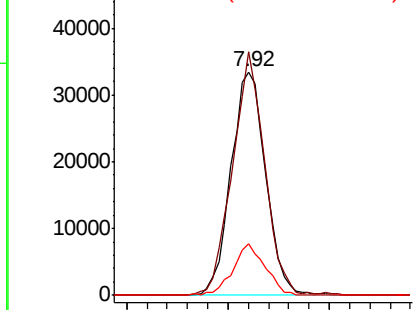
#35
 Dibromofluoromethane
 Concen: 50.359 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064078.D
 Acq: 25 Oct 2019 21:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 79254
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.6 123.8
 192 21.4 17.1 25.7

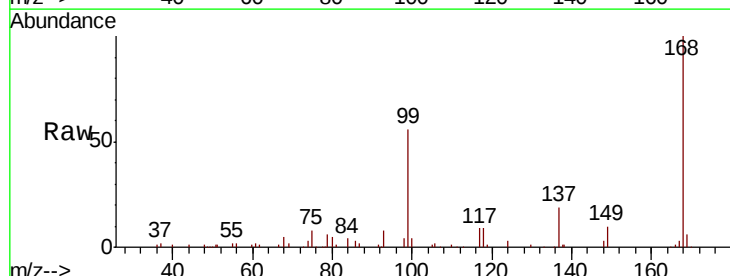


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

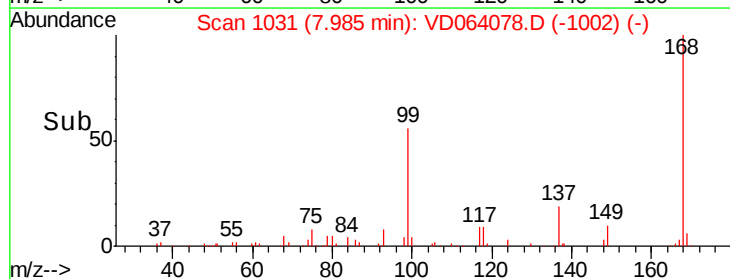
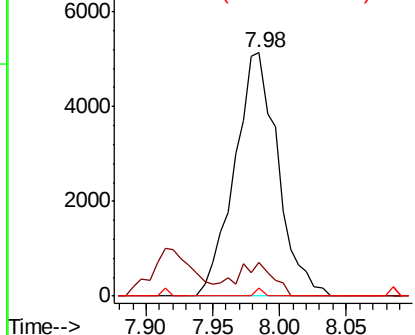


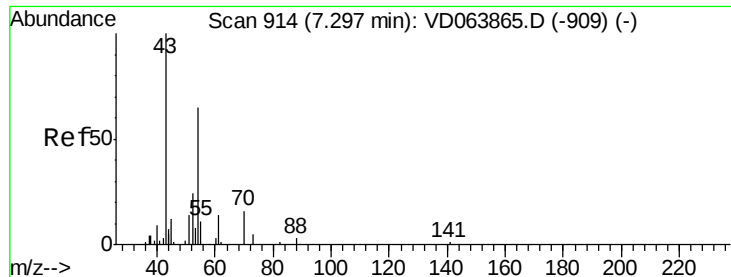
#36
 1,1-Dichloropropene
 Concen: 4.911 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064078.D
 Acq: 25 Oct 2019 21:16

Tgt Ion: 75 Resp: 11564
 Ion Ratio Lower Upper
 75 100
 110 11.1 17.4 52.3#
 77 0.5 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

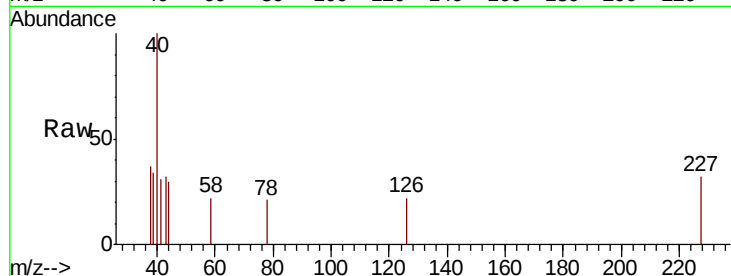




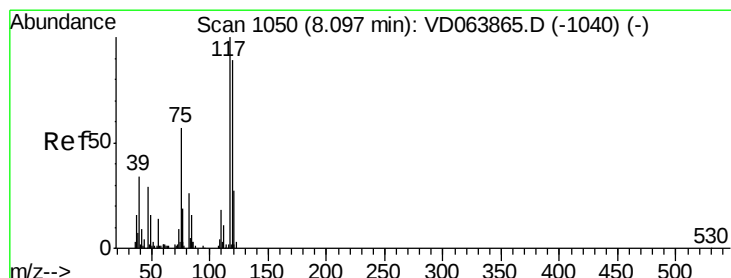
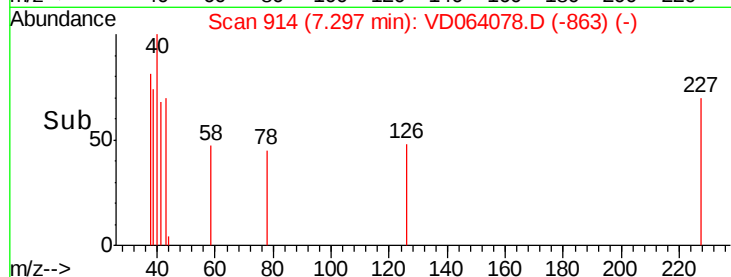
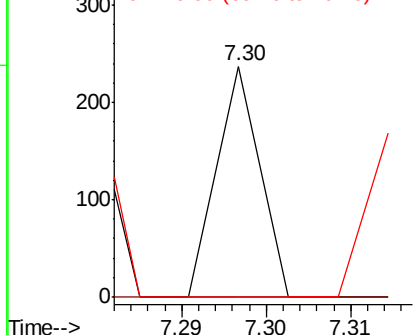
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064078.D
Acq: 25 Oct 2019 21:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

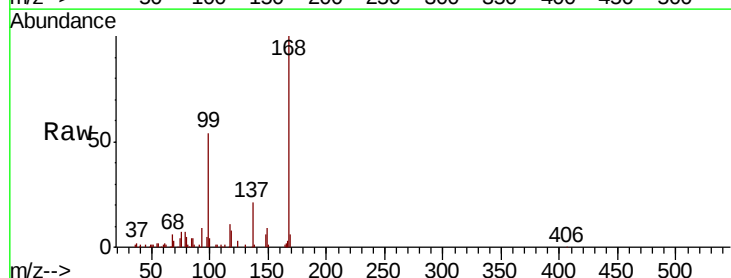


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

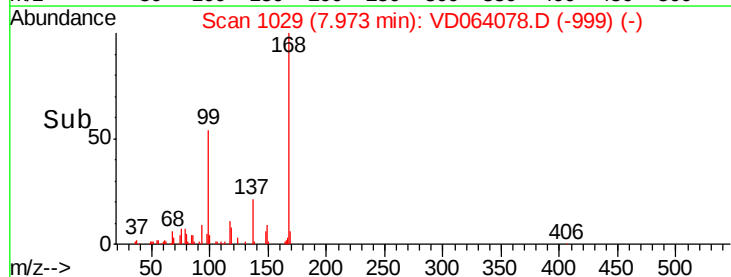
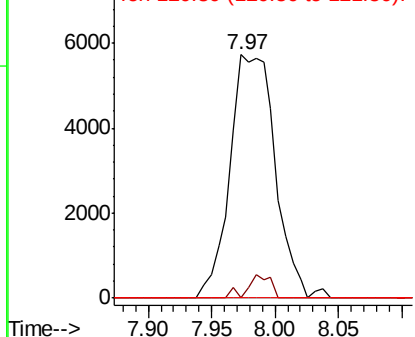


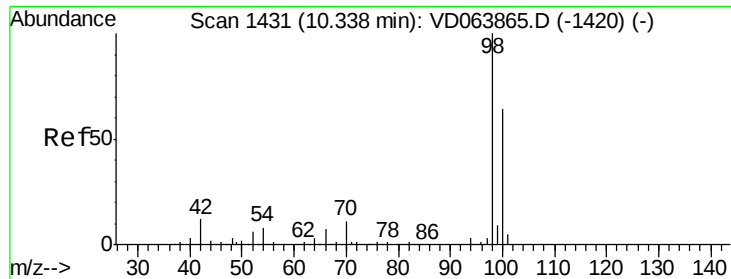
#38
Carbon Tetrachloride
Concen: 5.980 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD064078.D
Acq: 25 Oct 2019 21:16

Tgt Ion: 117 Resp: 14228
Ion Ratio Lower Upper
117 100
119 0.0 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: 53.972 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064078.D

Acq: 25 Oct 2019 21:16

Instrument :

MSVOA_D

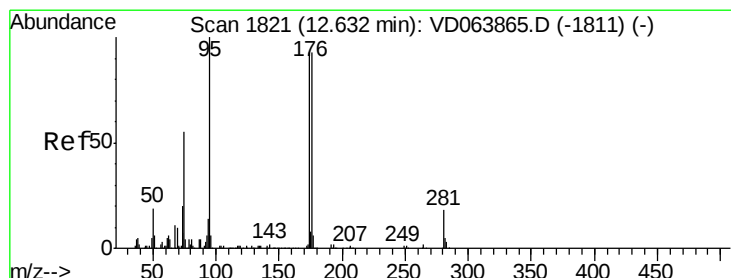
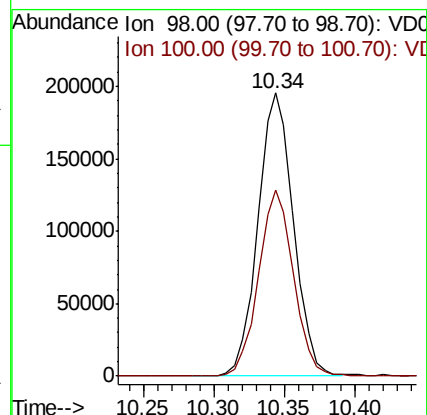
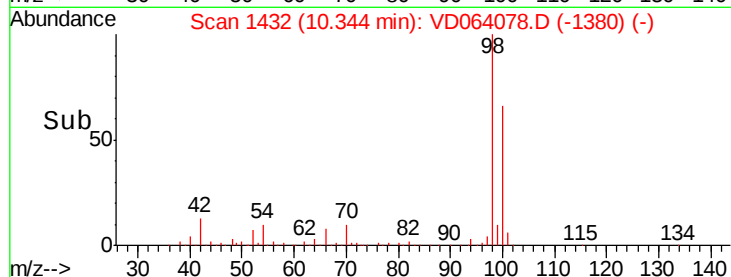
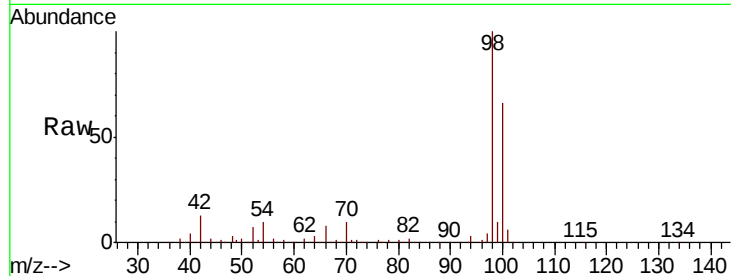
ClientSampleId :

Tot Ion: 98 Resp: 344759

Ion Ratio Lower Upper

98 100

100 65.2 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 47.000 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064078.D

Acq: 25 Oct 2019 21:16

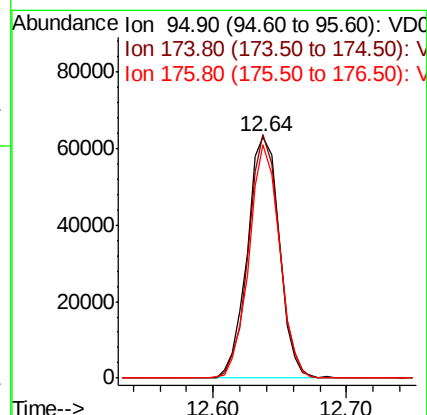
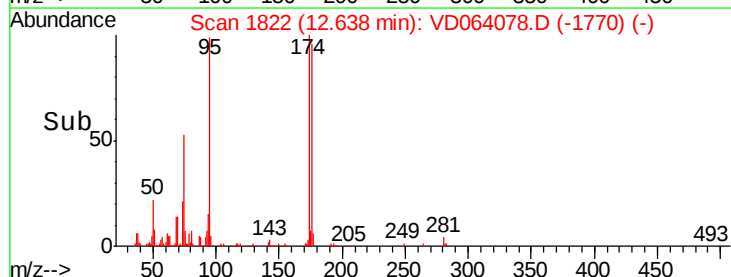
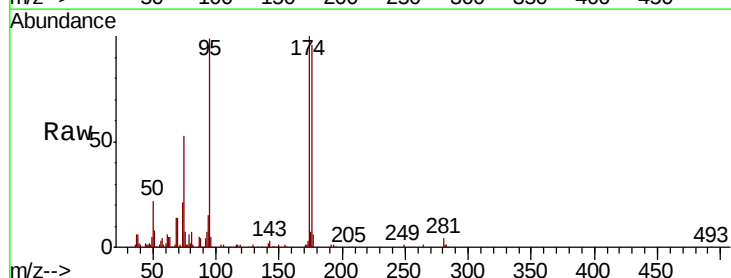
Tgt Ion: 95 Resp: 104327

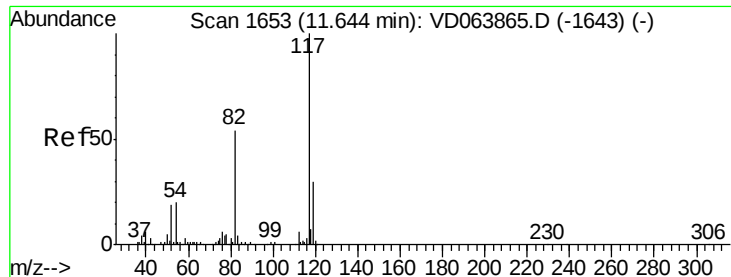
Ion Ratio Lower Upper

95 100

174 96.9 0.0 186.4

176 91.8 0.0 184.2

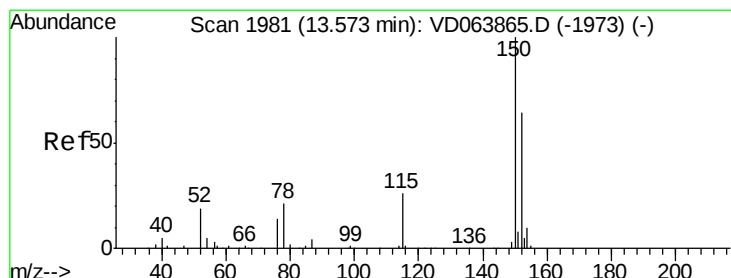
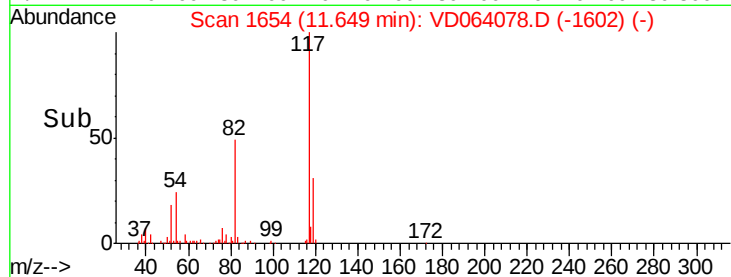
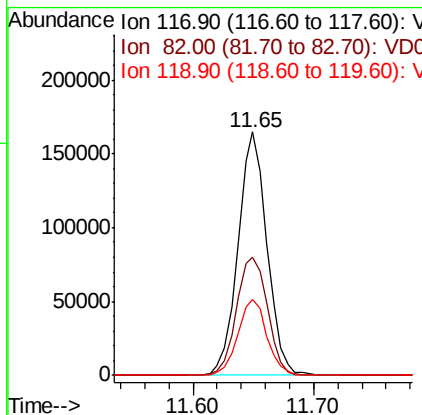
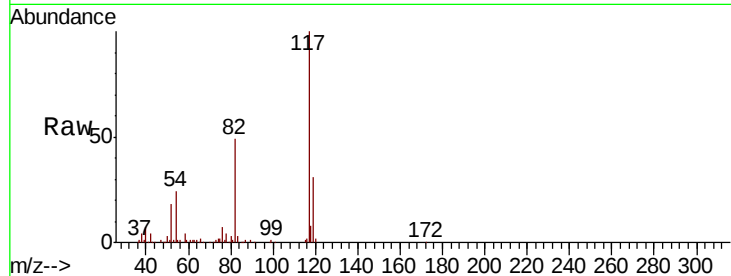




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064078.D
Acq: 25 Oct 2019 21:16

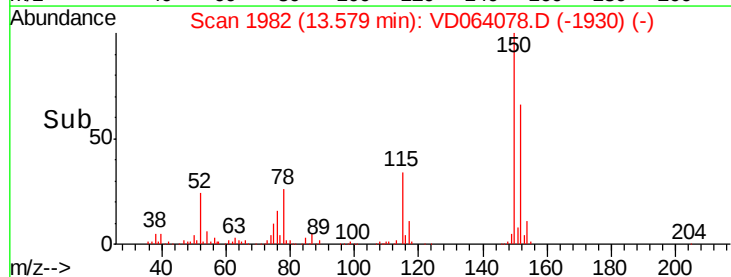
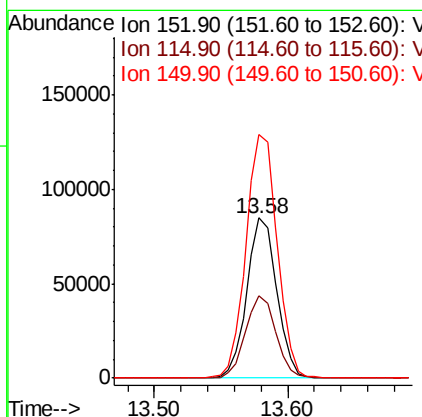
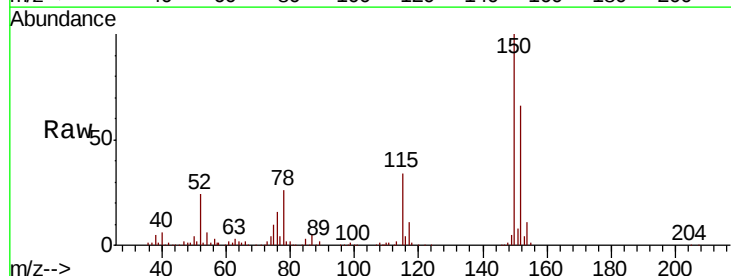
Instrument :
MSVOA_D
ClientSampleId :

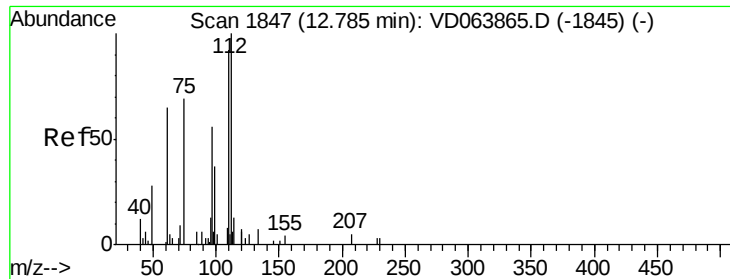
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.6	42.8	64.2
119	30.9	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064078.D
Acq: 25 Oct 2019 21:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.0	25.9	77.7
150	158.0	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 67.029 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064078.D

Acq: 25 Oct 2019 21:16

Instrument :

MSVOA_D

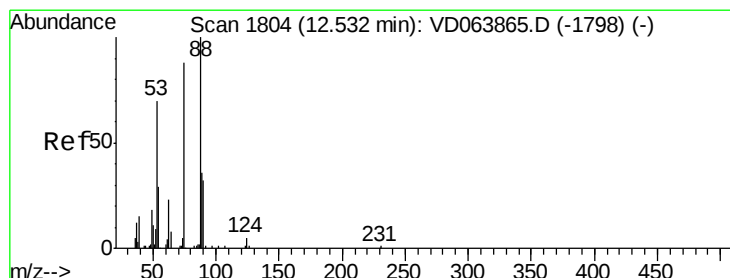
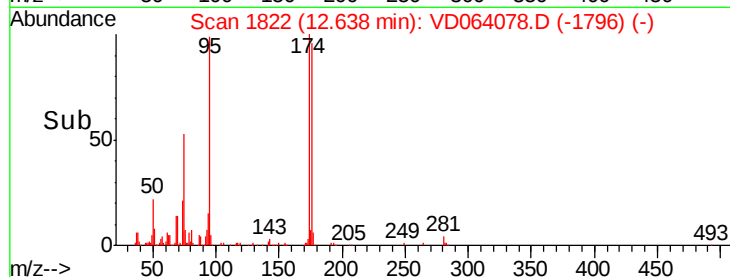
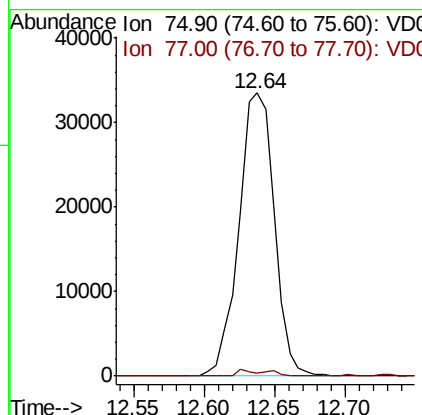
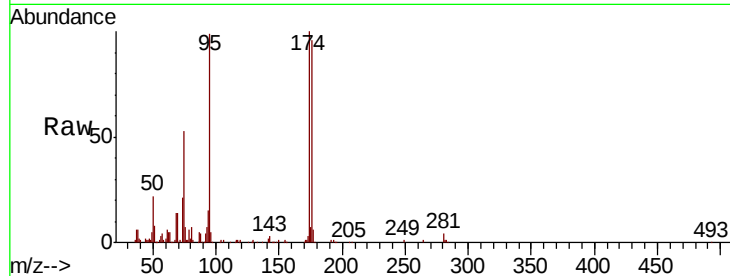
ClientSampleId :

Tot Ion: 75 Resp: 58945

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 118.615 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064078.D

Acq: 25 Oct 2019 21:16

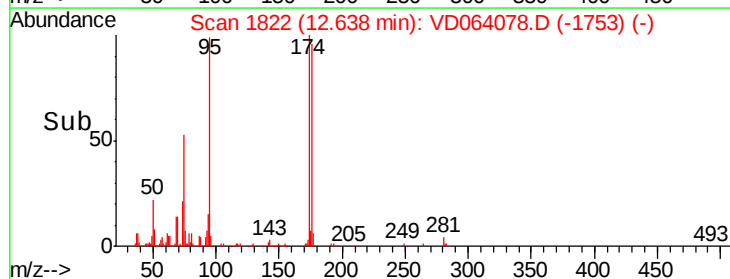
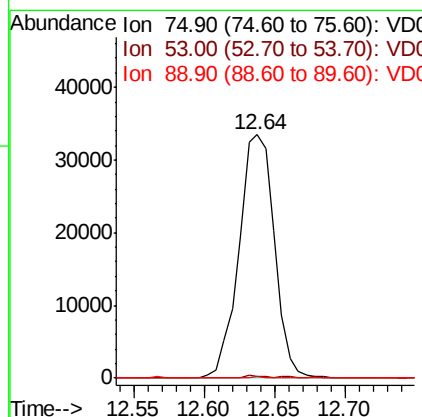
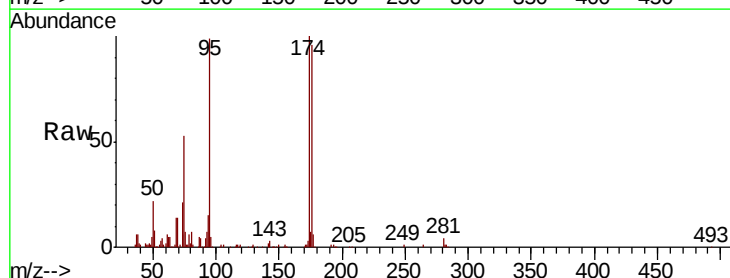
Tgt Ion: 75 Resp: 58945

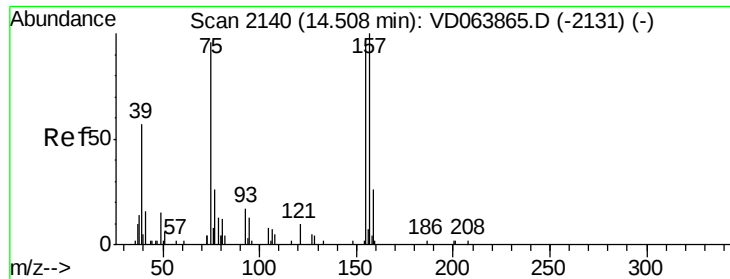
Ion Ratio Lower Upper

75 100

53 0.5 75.0 112.6#

89 0.1 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.48 min Scan# 2136

Delta R.T. -0.02 min

Lab File: VD064078.D

Acq: 25 Oct 2019 21:16

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	75	Resp:	55
Ion Ratio	Lower	Upper	
75	100		
155	0.0	43.9	131.6#
157	132.7	56.0	167.9

