

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064025.D
 Acq On : 23 Oct 2019 17:15
 Operator : VA/SY
 Sample : K5497-10
 Misc : 4.73G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 24 05:59:00 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	141115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	282064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	299490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	129128	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	85648	62.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	124.68%	
35) Dibromofluoromethane	7.92	113	86896	50.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.82%	
50) Toluene-d8	10.34	98	385662	55.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.24%	
62) 4-Bromofluorobenzene	12.63	95	114857	47.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.48%	

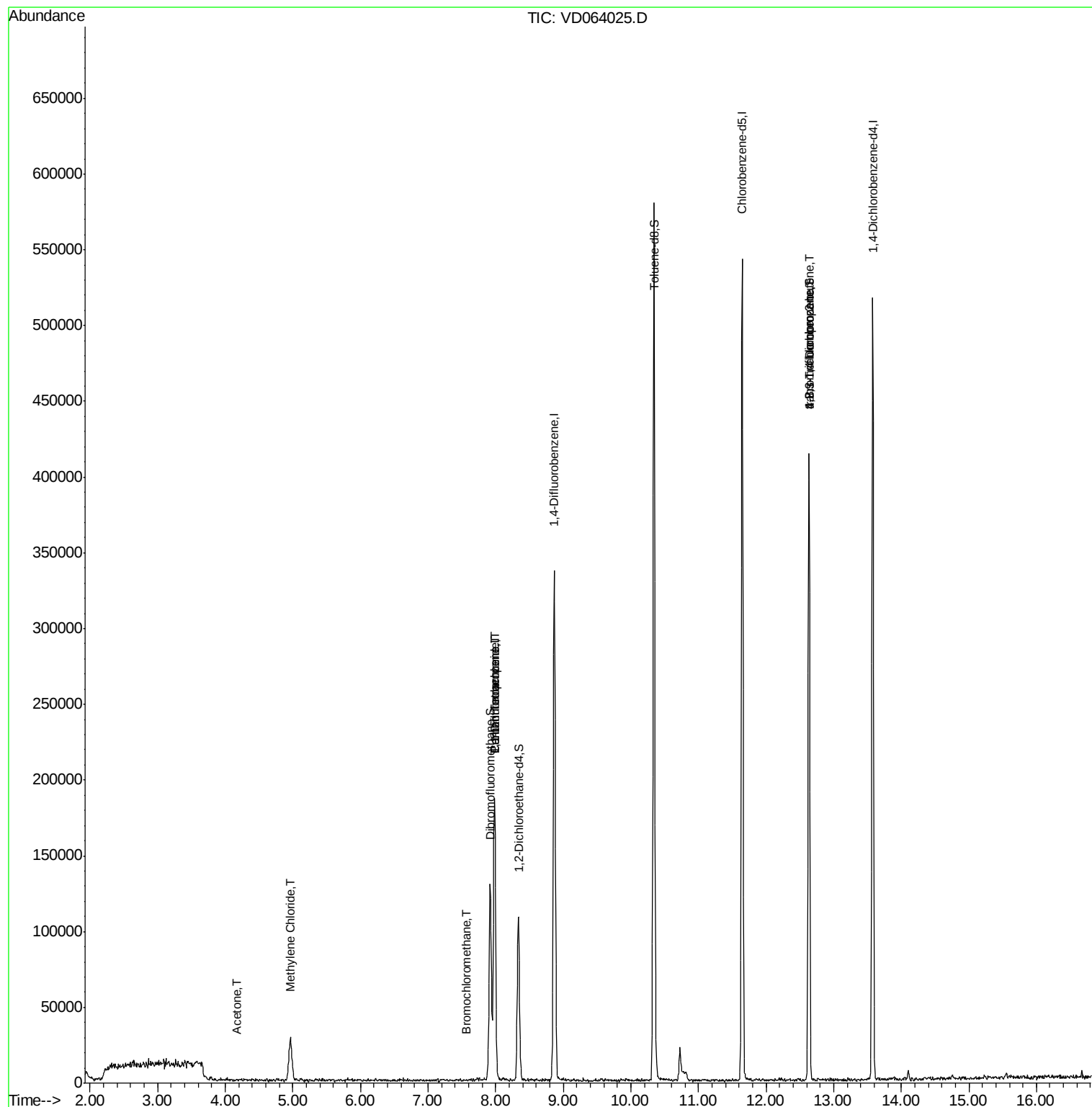
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	241	Below Cal	#	40
11) Tert butyl alcohol	5.27	59	56	Below Cal	#	71
16) Acetone	4.17	43	435	1.216	ug/l #	42
20) Methylene Chloride	4.97	84	19936	10.163	ug/l	91
28) Bromochloromethane	7.56	49	67	1.933	ug/l #	1
31) Cyclohexane	7.98	56	3393	Below Cal	#	41
36) 1,1-Dichloropropene	7.98	75	11980	4.645	ug/l #	53
37) Ethyl Acetate	7.28	43	54	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	14439	5.540	ug/l #	21
76) 1,2,3-Trichloropropane	12.64	75	62893	72.720	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	62893	128.685	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.56	75	158	Below Cal	#	1

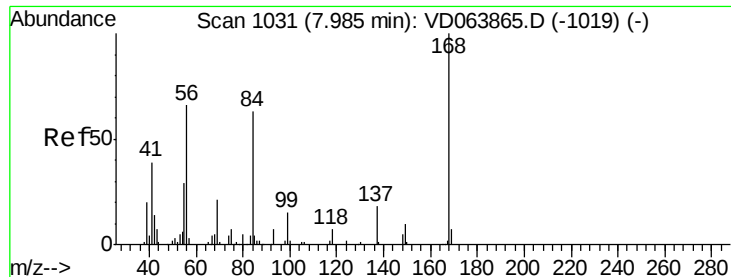
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102319\
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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: VD064025.D

Acq: 23 Oct 2019 17:15

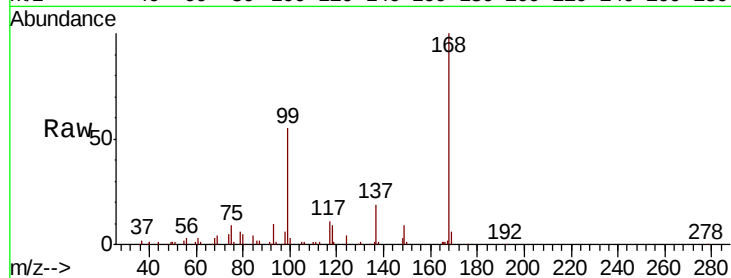
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 141115

Ion Ratio Lower Upper

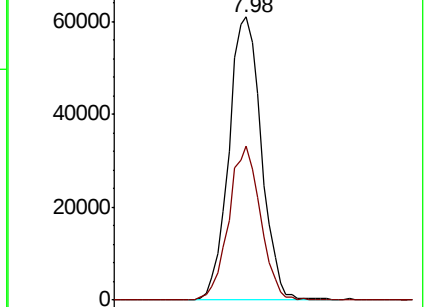
168 100

99 54.6 43.0 64.4

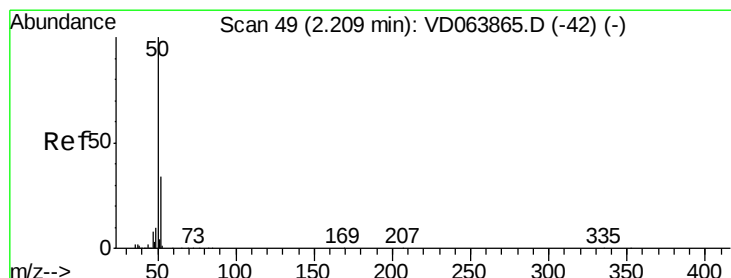
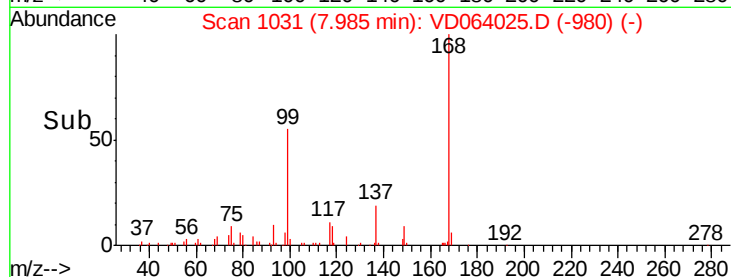


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 47

Delta R.T. -0.01 min

Lab File: VD064025.D

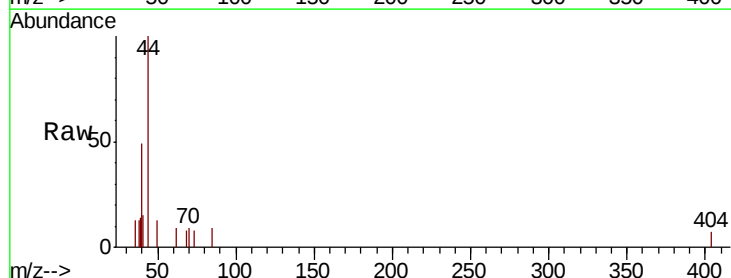
Acq: 23 Oct 2019 17:15

Tgt Ion: 50 Resp: 241

Ion Ratio Lower Upper

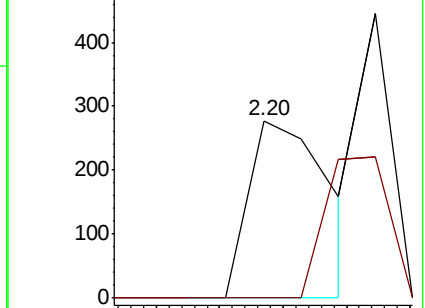
50 100

52 0.0 27.5 41.3#

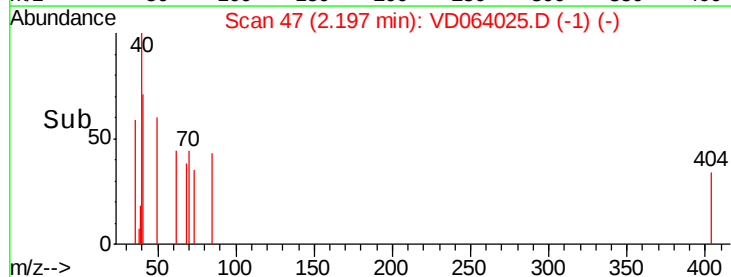


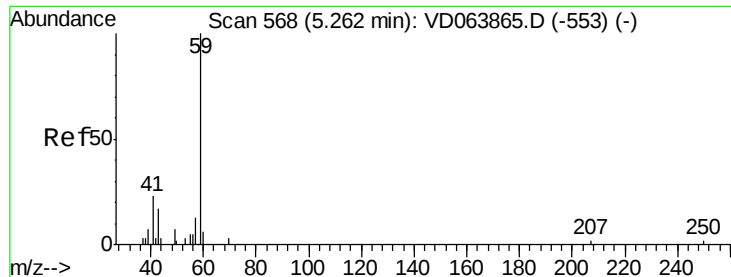
Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



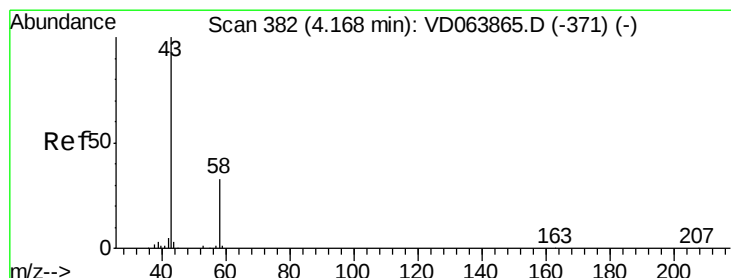
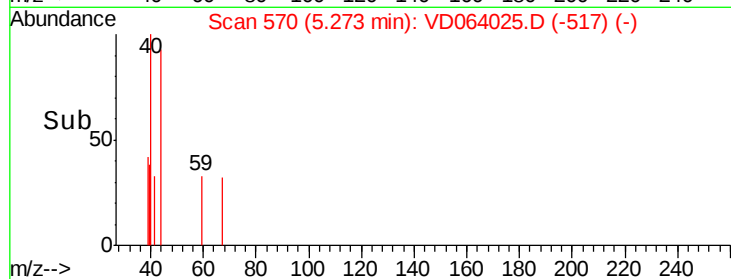
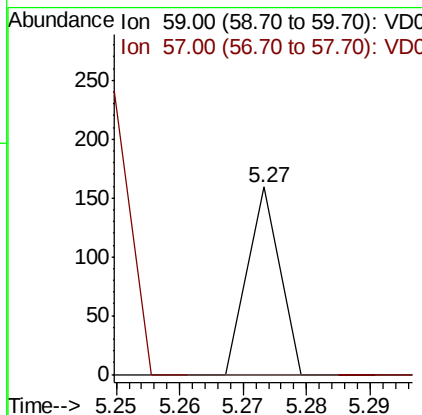
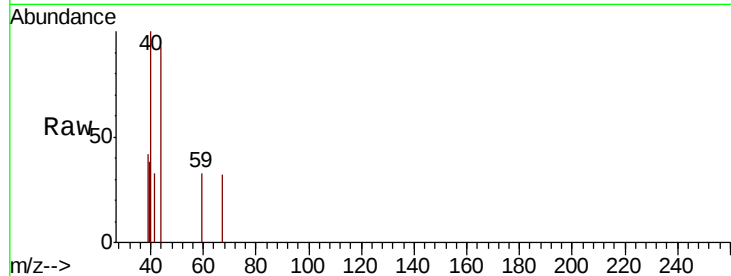


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.27 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VD064025.D
 Acq: 23 Oct 2019 17:15

Instrument :
 MSVOA_D
 ClientSampled :

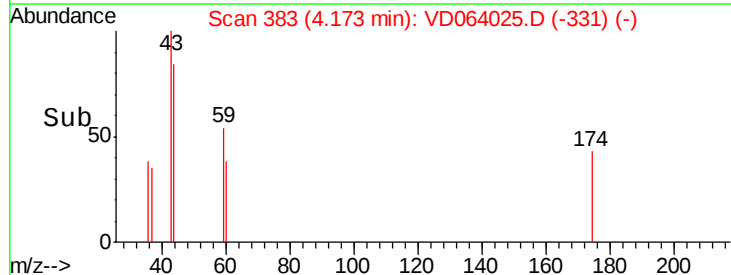
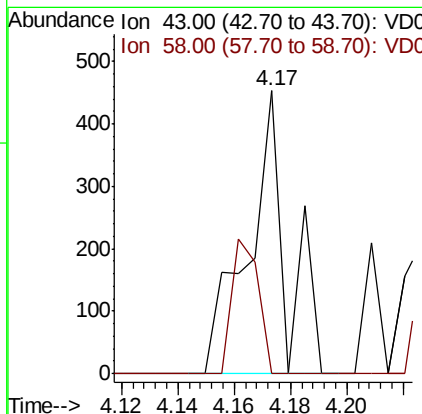
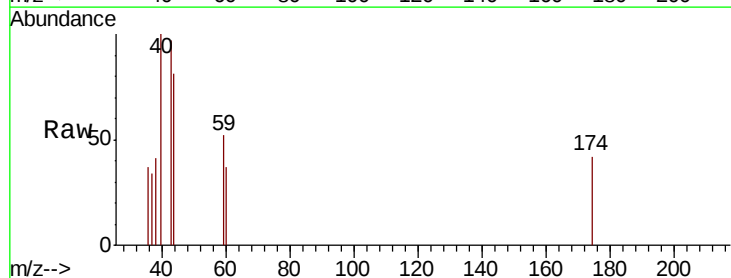
Tot Ion: 59 Resp: 56
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

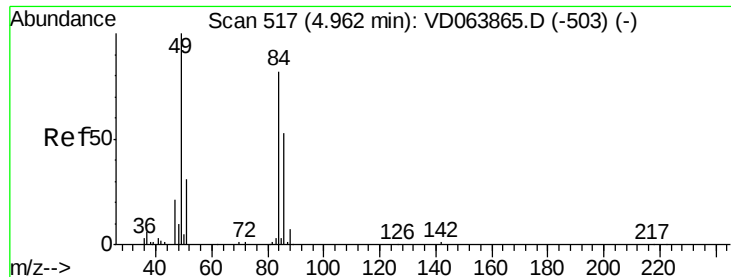


#16

Acetone
 Concen: 1.216 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VD064025.D
 Acq: 23 Oct 2019 17:15

Tgt Ion: 43 Resp: 435
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.4#

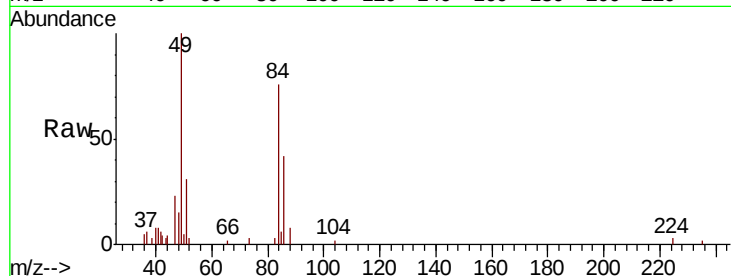




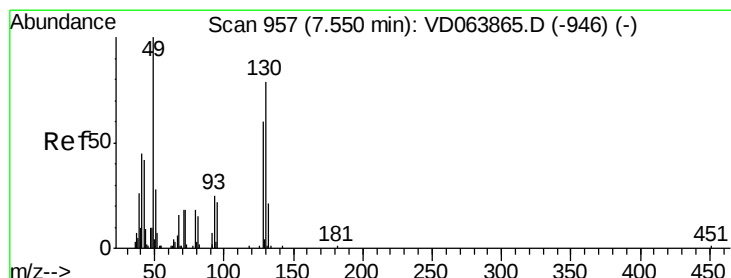
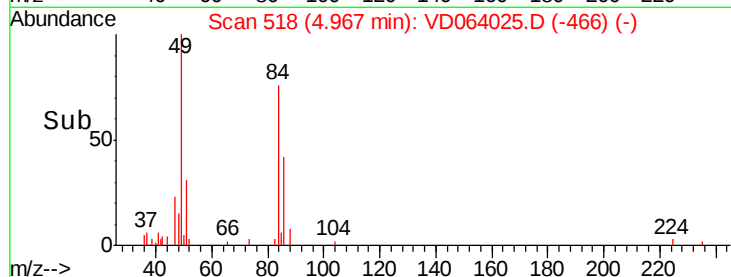
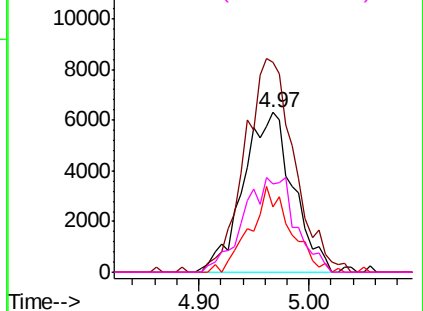
#20
Methvlene Chloride
Concen: 10.163 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064025.D
Acq: 23 Oct 2019 17:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 19936
Ion Ratio Lower Upper
84 100
49 131.1 97.3 145.9
51 40.7 30.1 45.1
86 55.0 51.4 77.2

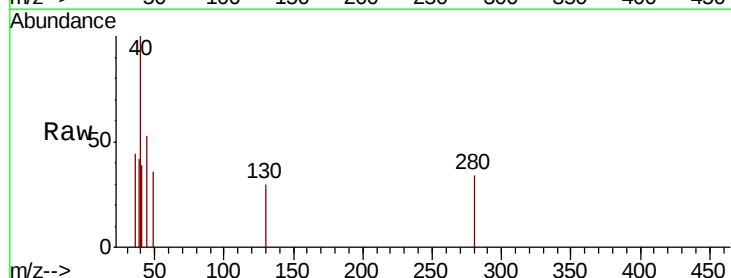


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

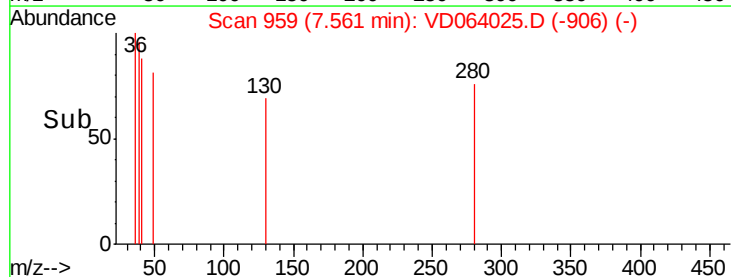
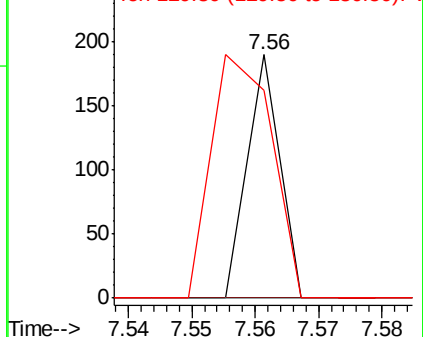


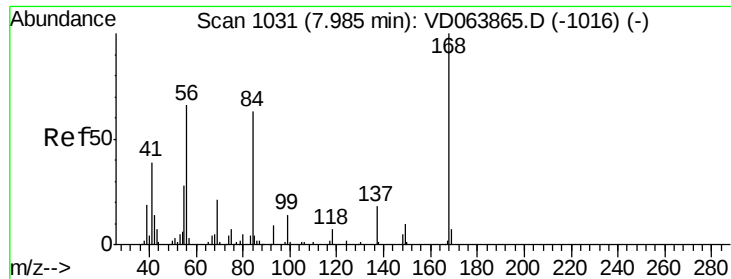
#28
Bromochloromethane
Concen: 1.933 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD064025.D
Acq: 23 Oct 2019 17:15

Tgt Ion: 49 Resp: 67
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 185.1 66.8 100.2#



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

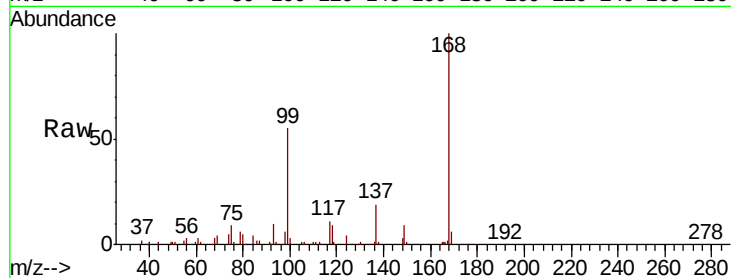




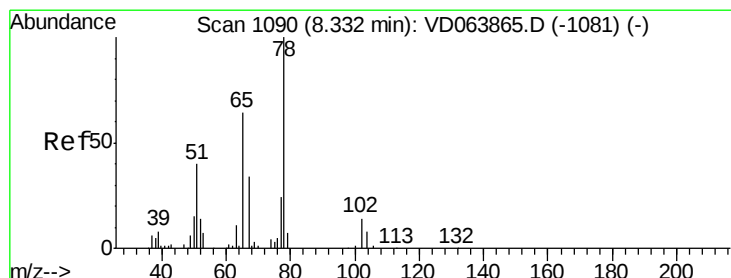
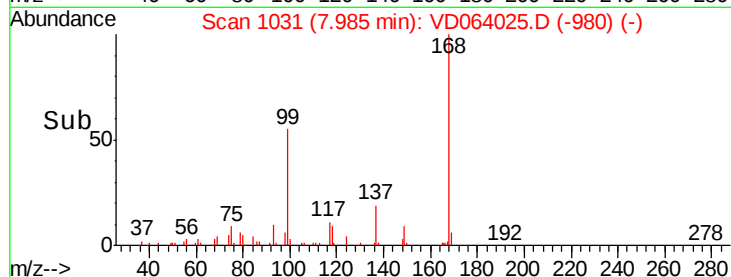
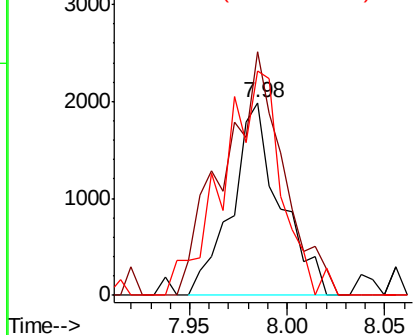
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064025.D
Acq: 23 Oct 2019 17:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 3393
Ion Ratio Lower Upper
56 100
69 126.6 25.0 37.4#
84 116.9 76.3 114.5#

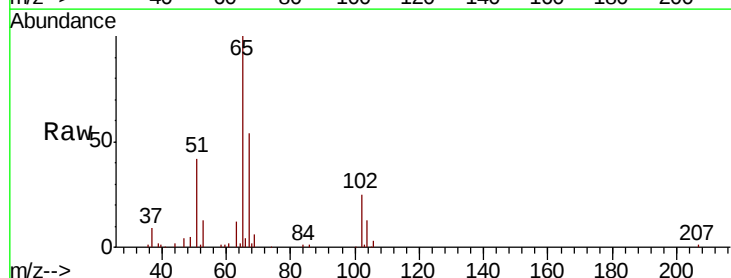


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

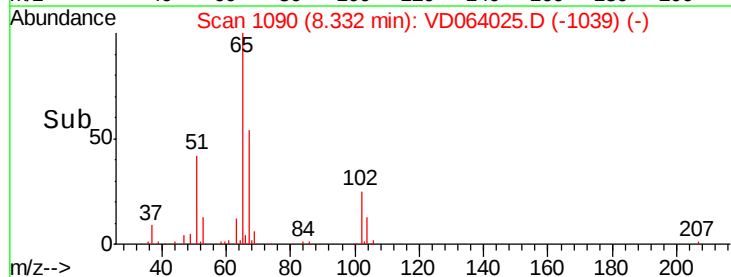
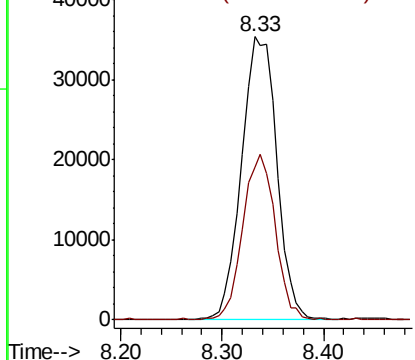


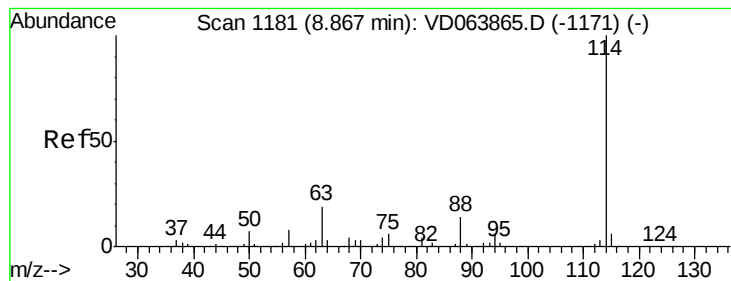
#33
1,2-Dichloroethane-d4
Concen: 62.341 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD064025.D
Acq: 23 Oct 2019 17:15

Tgt Ion: 65 Resp: 85648
Ion Ratio Lower Upper
65 100
67 53.7 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: VD064025.D

Acq: 23 Oct 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

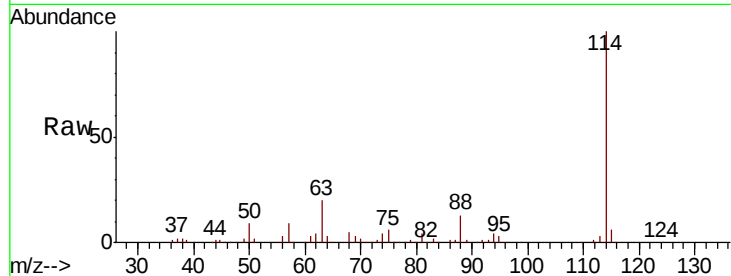
Tot Ion:114 Resp: 282064

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

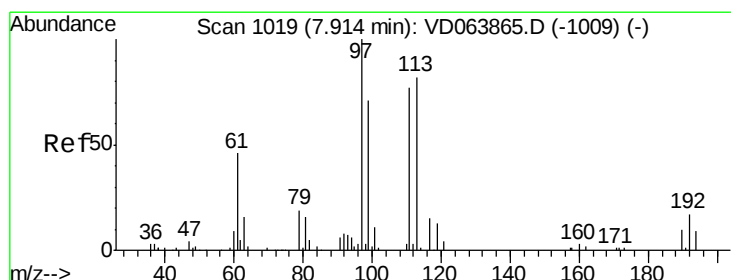
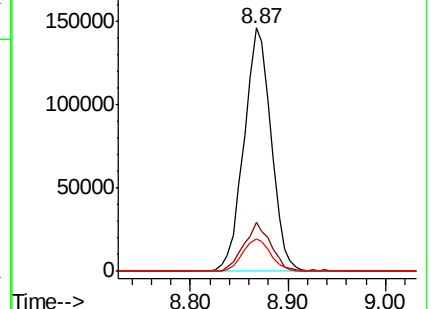
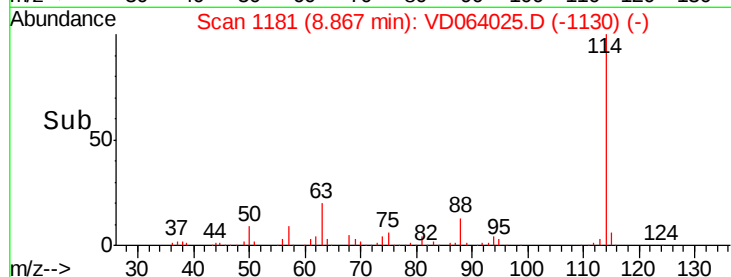
88 13.2 0.0 27.4



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: 50.410 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD064025.D

Acq: 23 Oct 2019 17:15

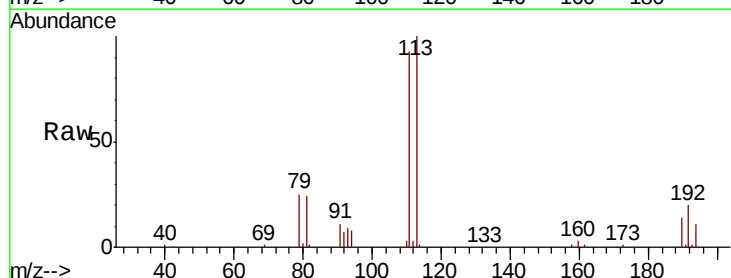
Tgt Ion:113 Resp: 86896

Ion Ratio Lower Upper

113 100

111 100.6 82.6 123.8

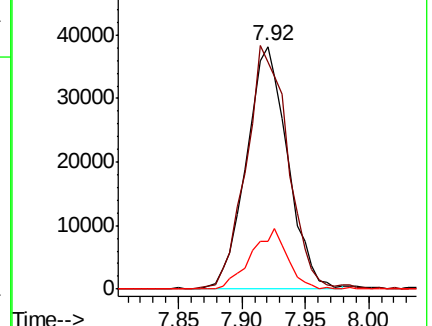
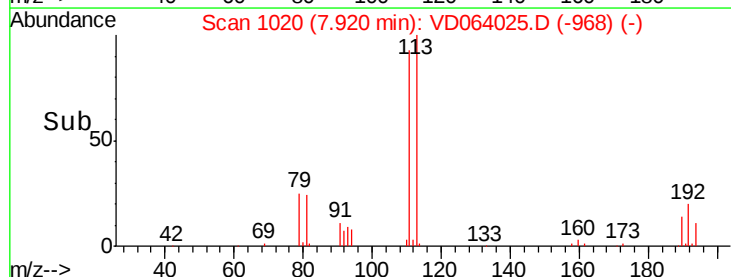
192 21.8 17.1 25.7

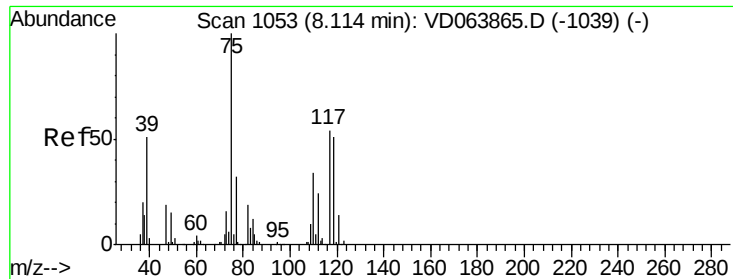


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

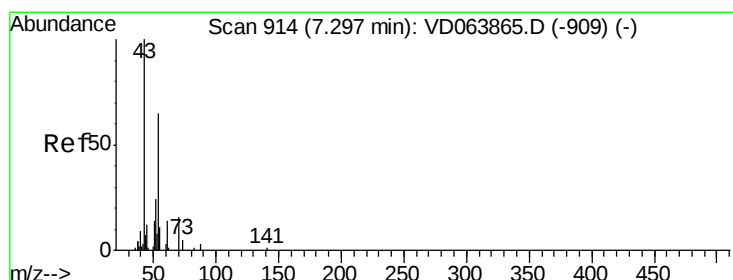
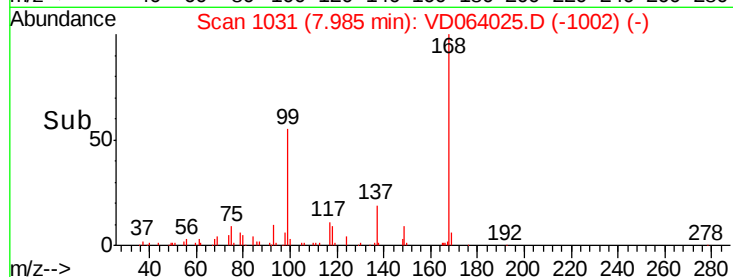
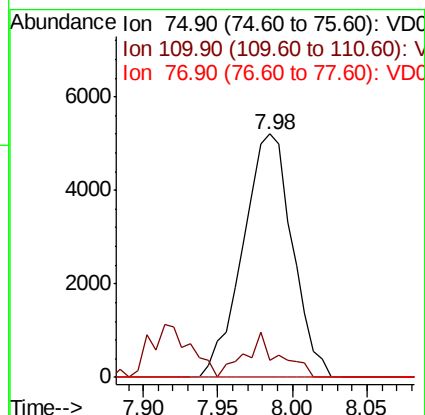
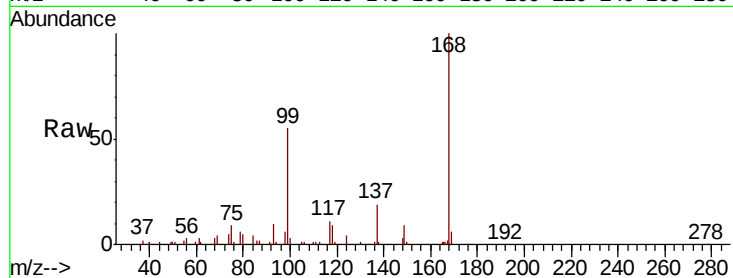




#36
 1,1-Dichloropropene
 Concen: 4.645 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064025.D
 Acq: 23 Oct 2019 17:15

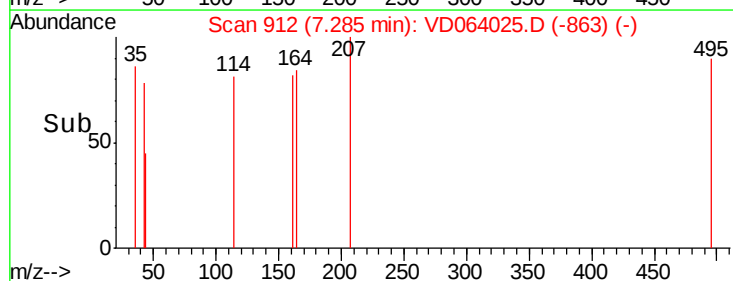
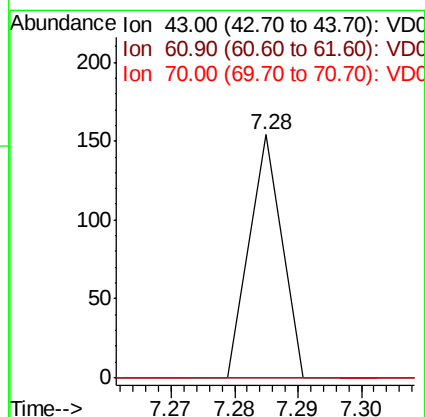
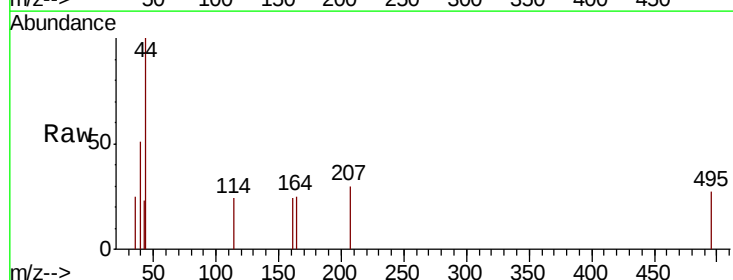
Instrument :
 MSVOA_D
 ClientSampleId :

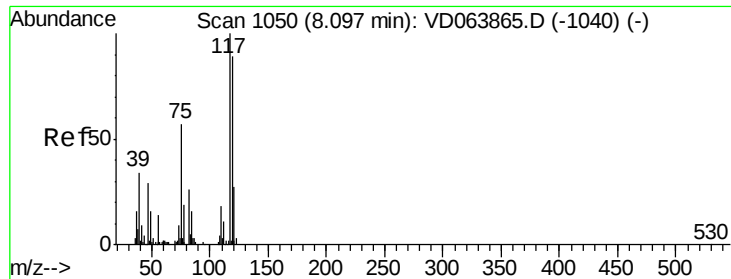
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.8	17.4	52.3#
77	0.0	25.4	38.0#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.28 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD064025.D
 Acq: 23 Oct 2019 17:15

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: 5.540 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064025.D

Acq: 23 Oct 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

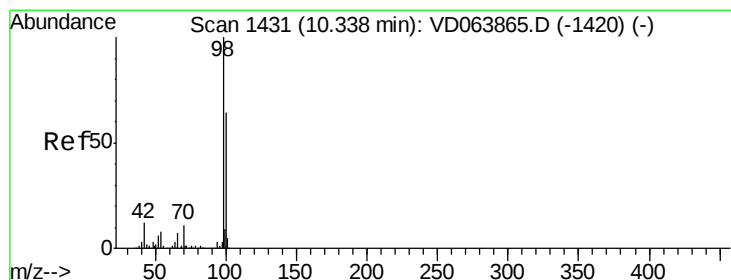
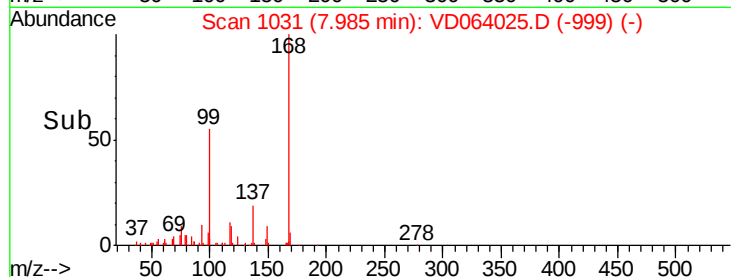
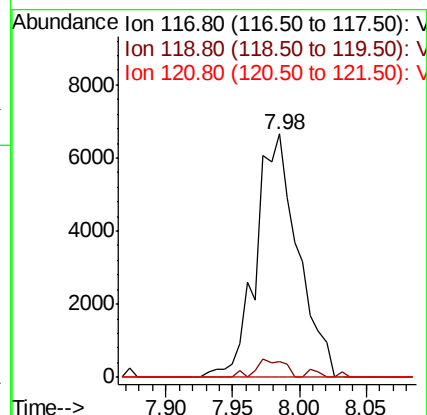
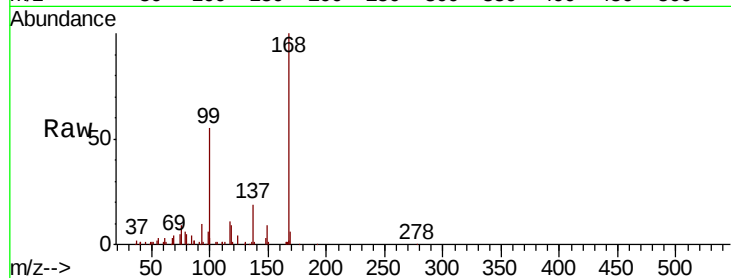
Tot Ion:117 Resp: 14439

Ion Ratio Lower Upper

117 100

119 6.5 70.8 106.2#

121 0.0 21.4 32.0#



#50

Toluene-d8

Concen: 55.122 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064025.D

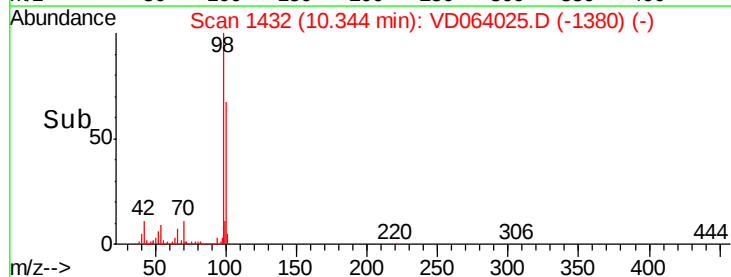
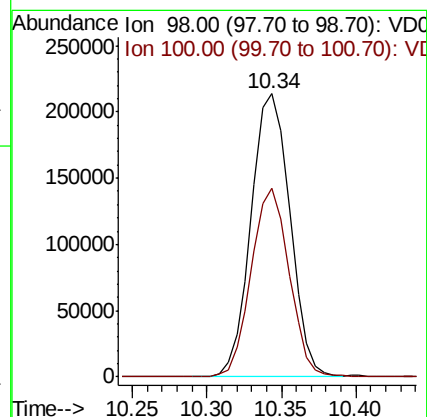
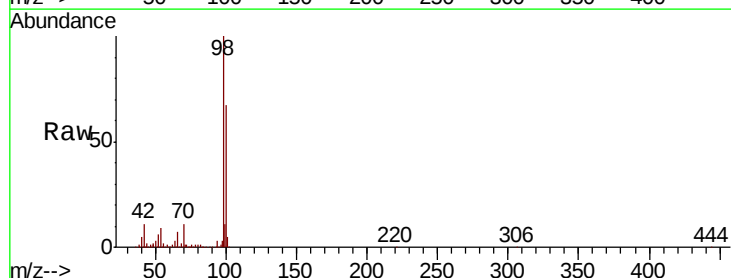
Acq: 23 Oct 2019 17:15

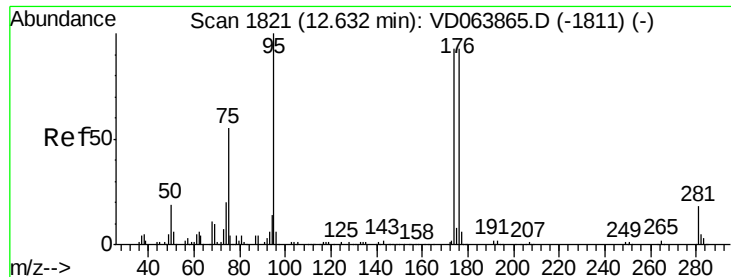
Tgt Ion: 98 Resp: 385662

Ion Ratio Lower Upper

98 100

100 65.0 52.1 78.1

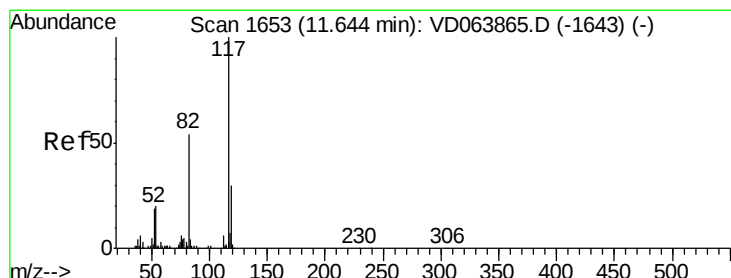
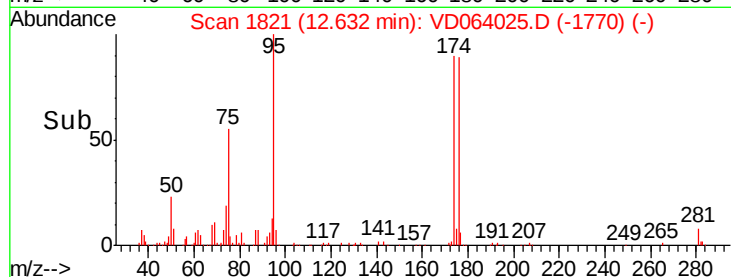
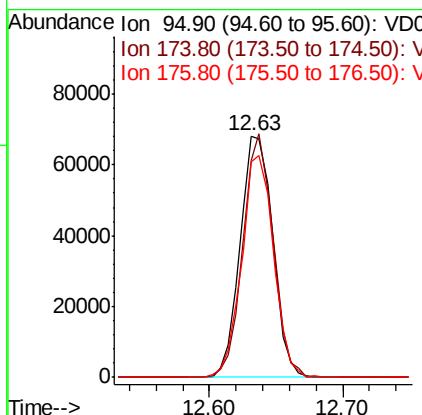
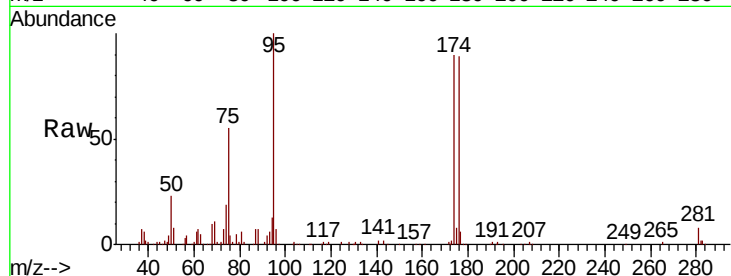




#62
4-Bromofluorobenzene
Concen: 47.241 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD064025.D
Acq: 23 Oct 2019 17:15

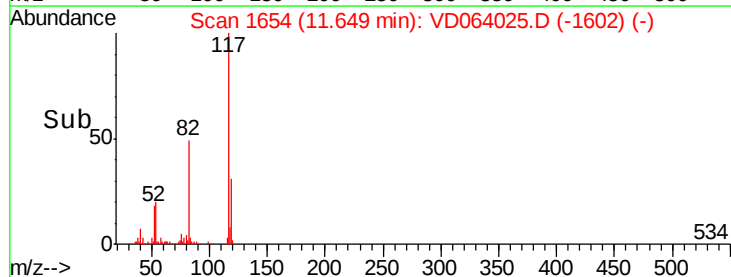
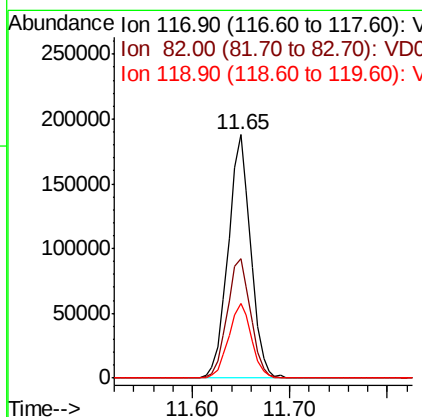
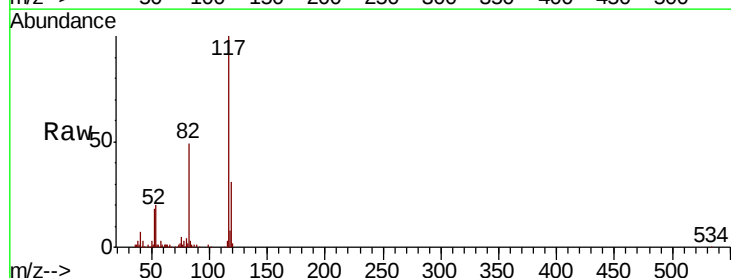
Instrument :
MSVOA_D
ClientSampleId :

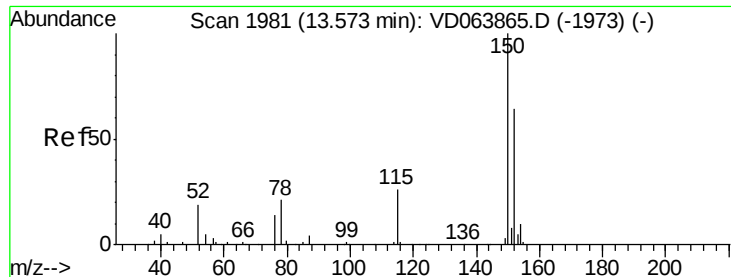
Tot Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	186.4
176	89.7	0.0	184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064025.D
Acq: 23 Oct 2019 17:15

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.0	42.8	64.2
119	30.5	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: VD064025.D

Acq: 23 Oct 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

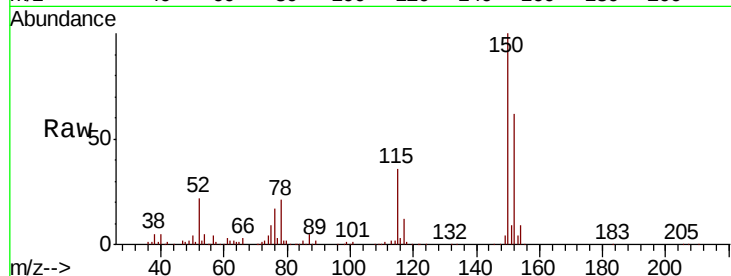
Tot Ion:152 Resp: 129128

Ion Ratio Lower Upper

152 100

115 56.9 25.9 77.7

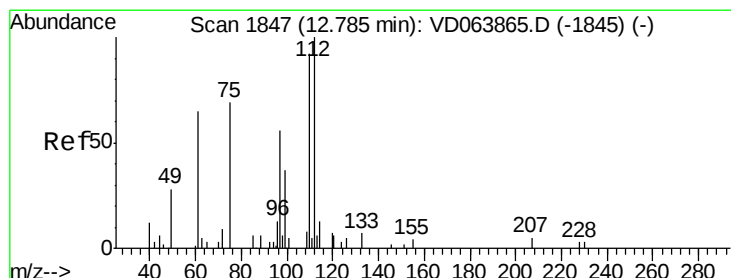
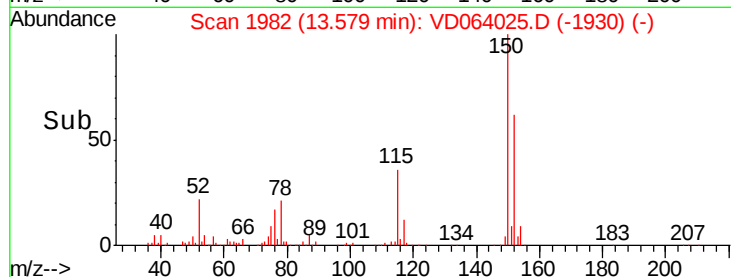
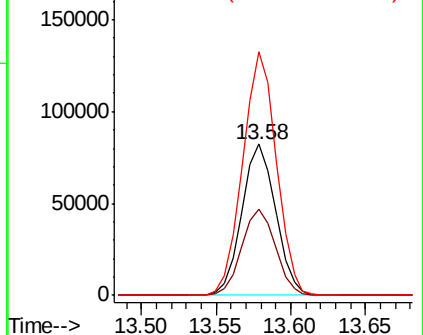
150 159.9 0.0 344.2



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: 72.720 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064025.D

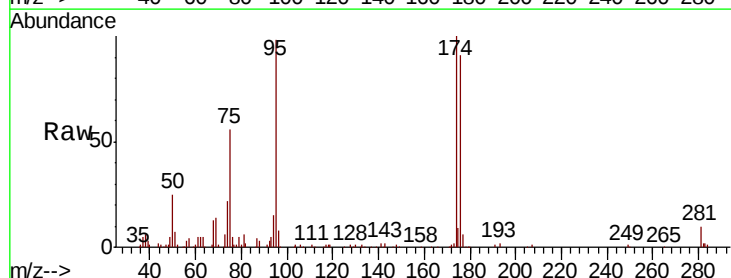
Acq: 23 Oct 2019 17:15

Tgt Ion: 75 Resp: 62893

Ion Ratio Lower Upper

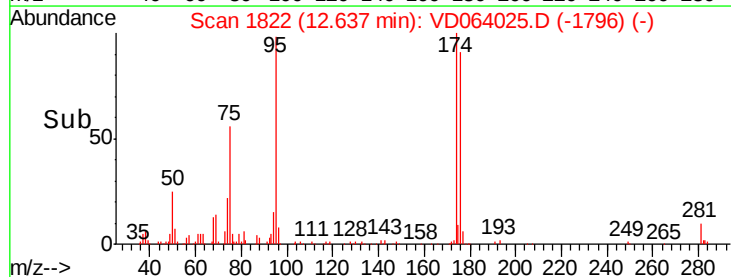
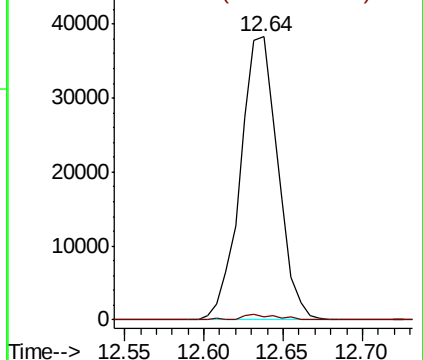
75 100

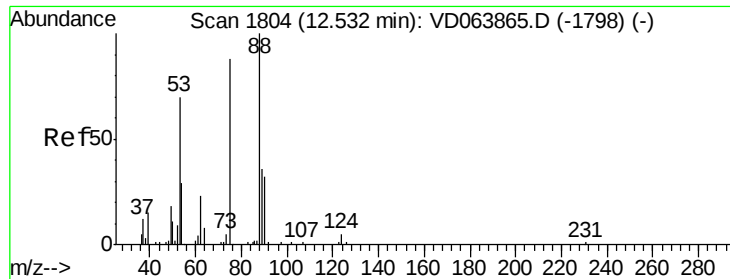
77 1.8 0.0 0.0#



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: 128.685 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064025.D

Acq: 23 Oct 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

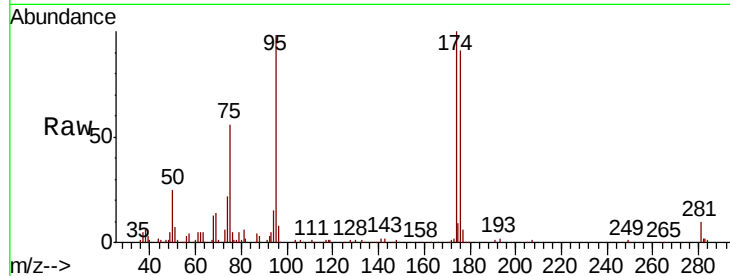
Tot Ion: 75 Resp: 62893

Ion Ratio Lower Upper

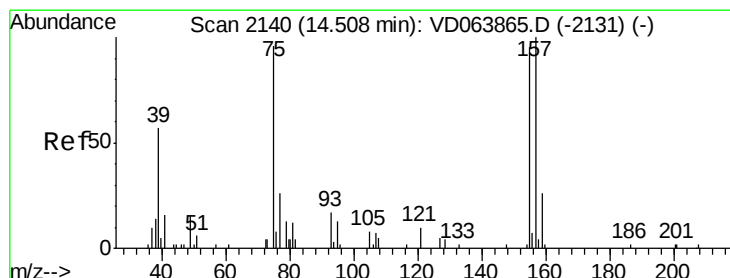
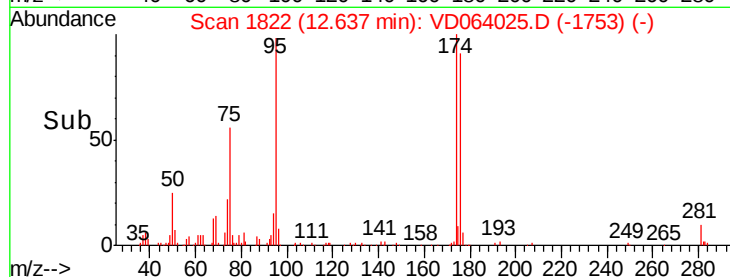
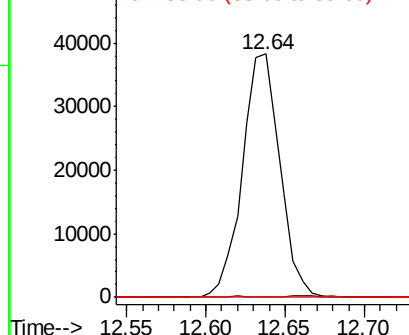
75 100

53 0.2 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: 14.56 min Scan# 2149

Delta R.T. 0.05 min

Lab File: VD064025.D

Acq: 23 Oct 2019 17:15

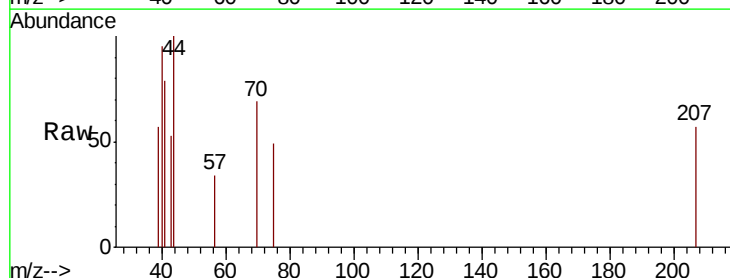
Tgt Ion: 75 Resp: 158

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

