

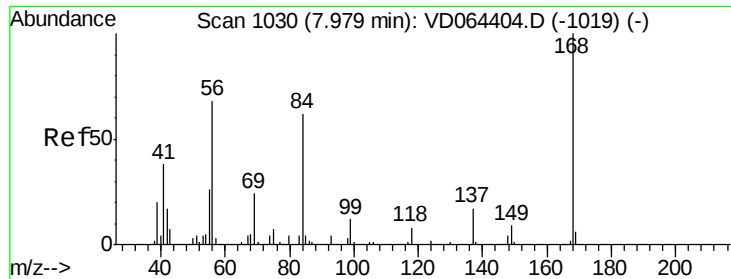
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064462.D
 Acq On : 06 Dec 2019 16:54
 Operator : VA/SY
 Sample : K6188-01
 Misc : 5.39/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 22:37:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	700076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1050526	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	998202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	493461	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	313536	49.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.96%	
35) Dibromofluoromethane	7.92	113	317925	48.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.06%	
50) Toluene-d8	10.34	98	1246129	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.64	95	429201	53.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.14%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	1438	1.123	ug/l #	47
20) Methylene Chloride	4.96	84	6860	Below Cal	#	89
31) Cyclohexane	7.98	56	14359	Below Cal	#	33
36) 1,1-Dichloropropene	7.98	75	46791	4.709	ug/l #	50
38) Carbon Tetrachloride	7.98	117	65157	6.213	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	6043	1.473	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	226086	55.713	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	226086	121.483	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.47	75	120	Below Cal	#	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064462.D

Acq: 06 Dec 2019 16:54

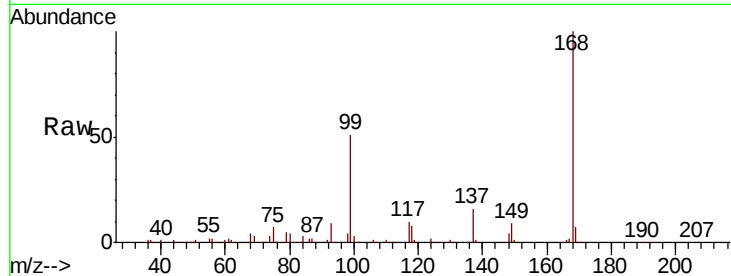
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 700076

Ion Ratio Lower Upper

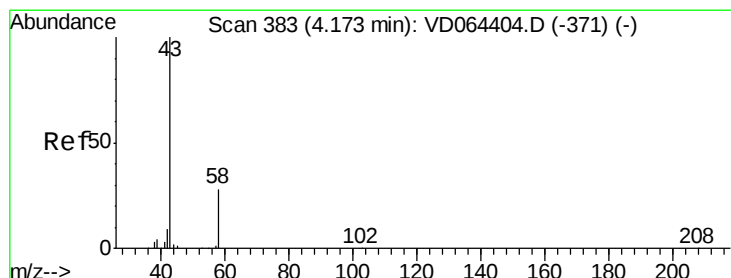
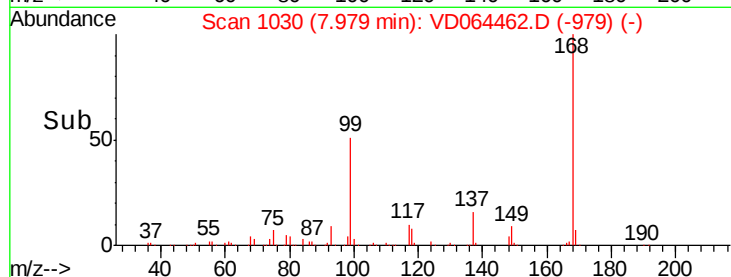
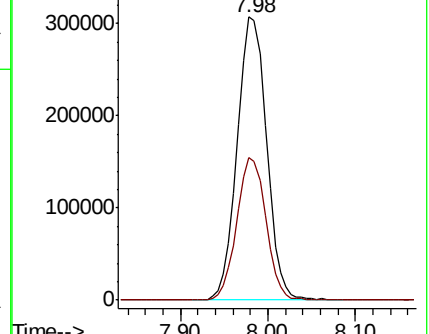
168 100

99 50.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 1.123 ug/l

RT: 4.17 min Scan# 383

Delta R.T. -0.00 min

Lab File: VD064462.D

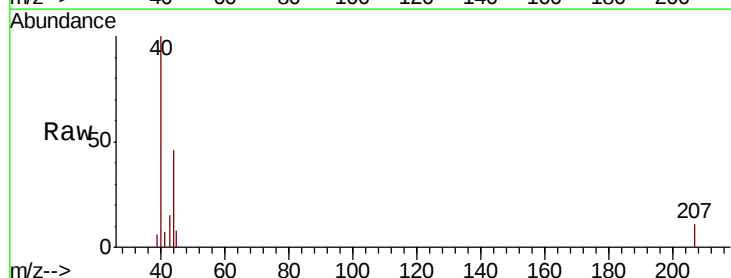
Acq: 06 Dec 2019 16:54

Tgt Ion: 43 Resp: 1438

Ion Ratio Lower Upper

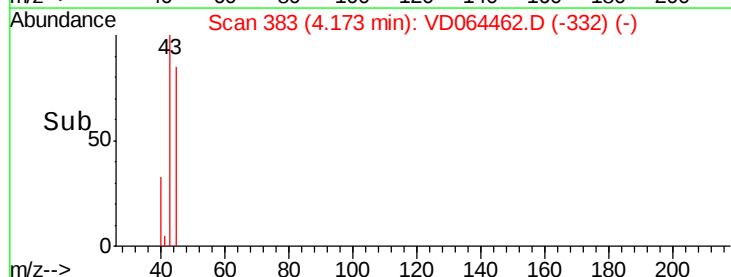
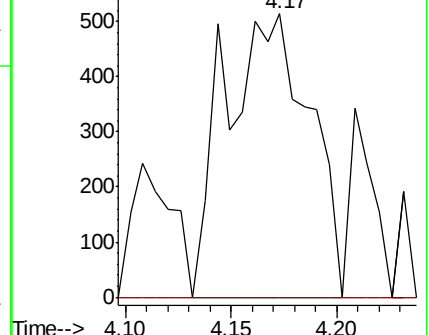
43 100

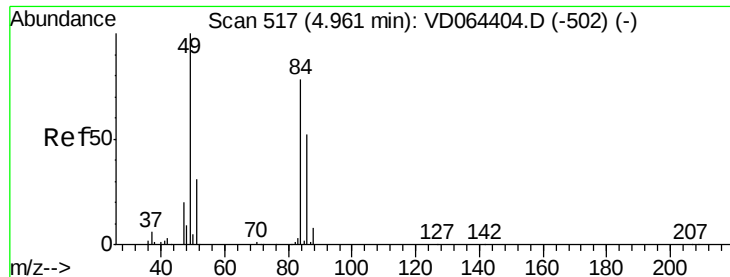
58 0.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

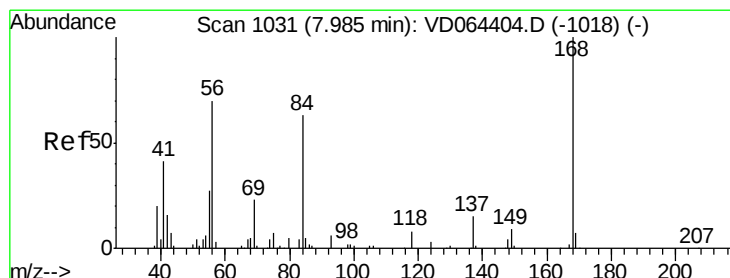
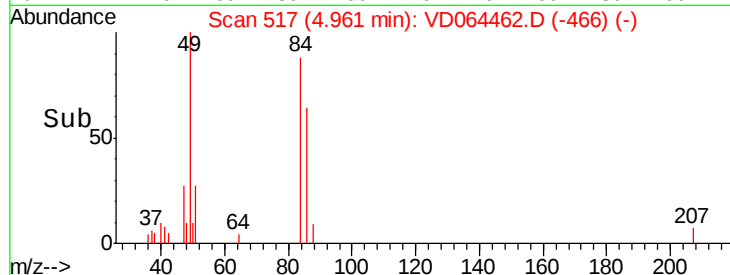
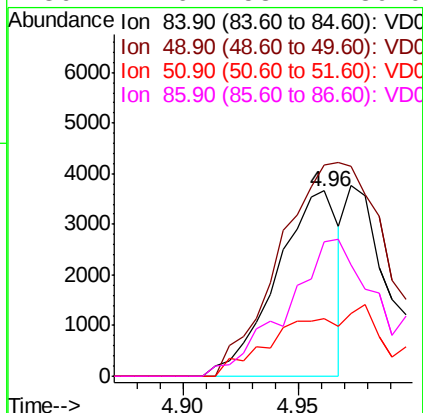
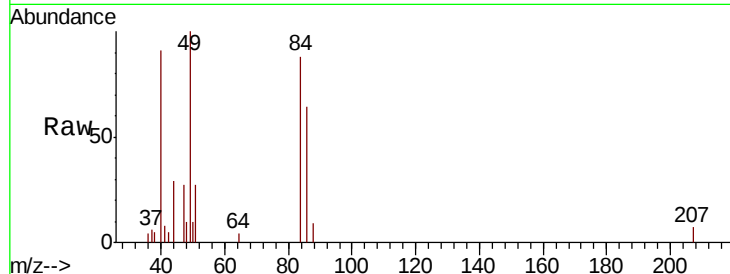




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064462.D
Acq: 06 Dec 2019 16:54

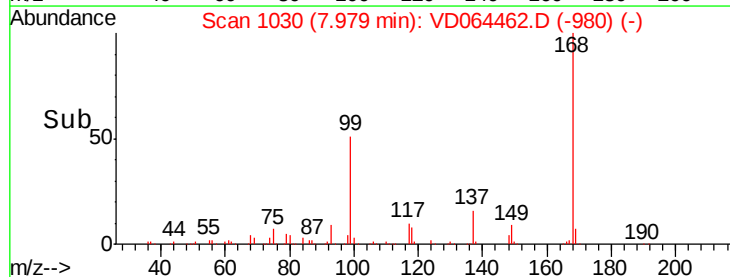
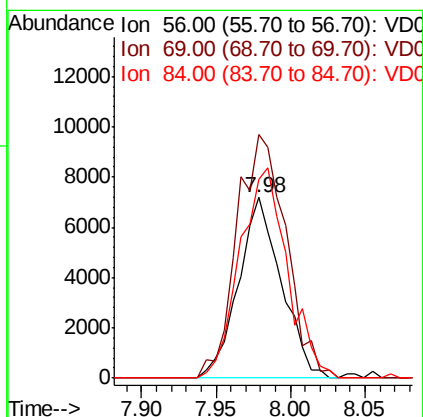
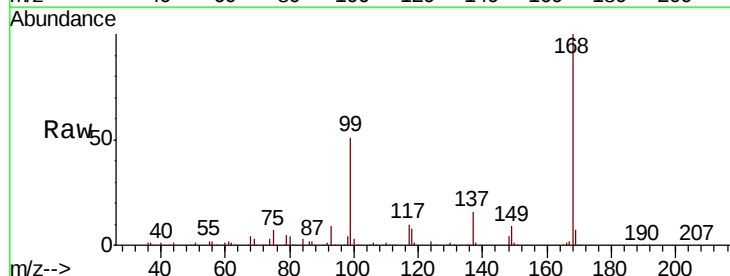
Instrument :
MSVOA_D
ClientSampleId :

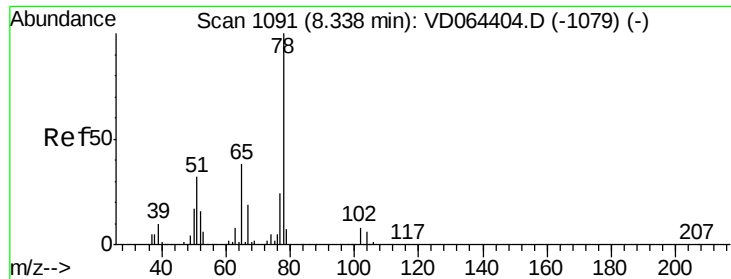
Tot Ion	84	Resp	6860
Ion	Ratio	Lower	Upper
84	100		
49	113.9	102.6	153.8
51	30.7	32.0	48.0#
86	72.6	53.4	80.0



#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064462.D
Acq: 06 Dec 2019 16:54

Tgt Ion	56	Resp	14359
Ion	Ratio	Lower	Upper
56	100		
69	134.7	26.2	39.4#
84	110.3	70.3	105.5#

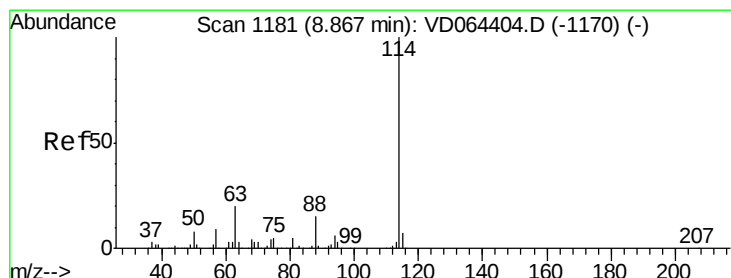
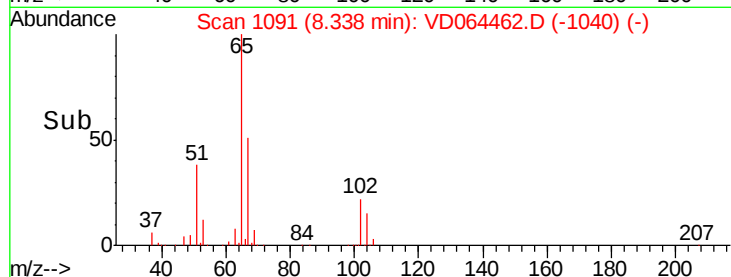
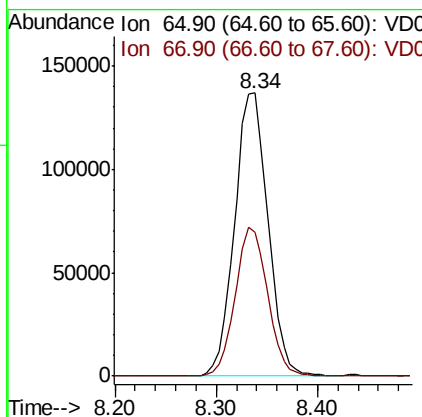
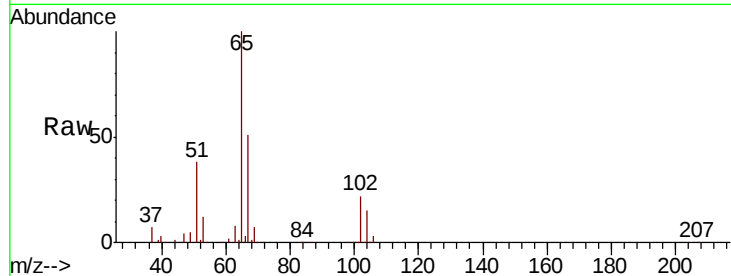




#33
 1,2-Dichloroethane-d4
 Concen: 49.479 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064462.D
 Acq: 06 Dec 2019 16:54

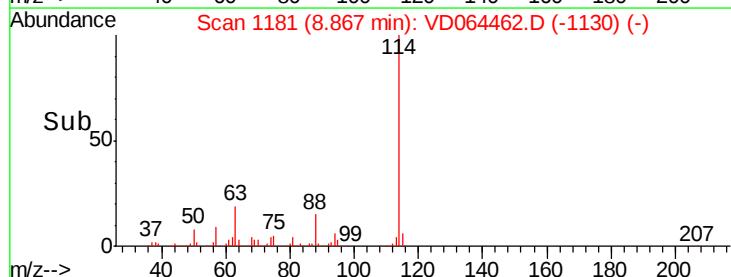
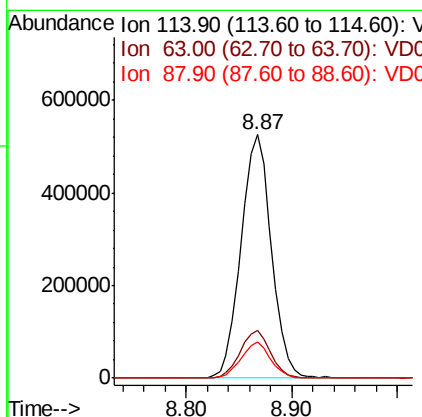
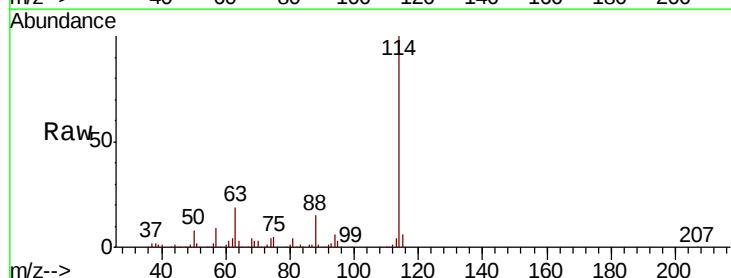
Instrument :
 MSVOA_D
 ClientSampleId :

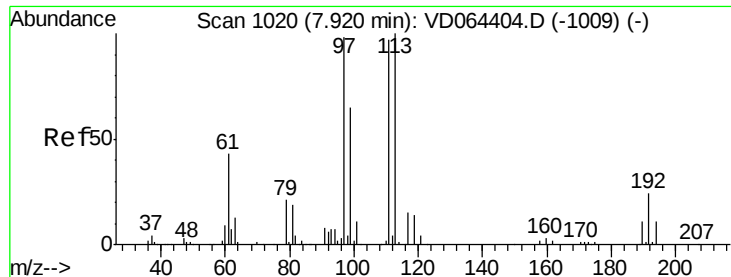
Tot Ion: 65 Resp: 313536
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064462.D
 Acq: 06 Dec 2019 16:54

Tgt Ion: 114 Resp: 1050526
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.0 0.0 29.2

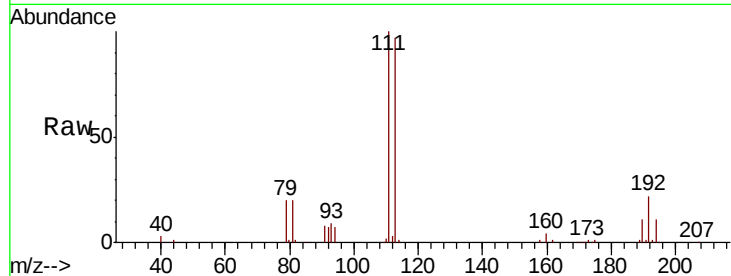




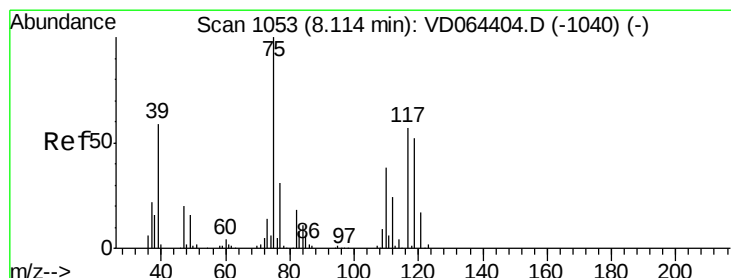
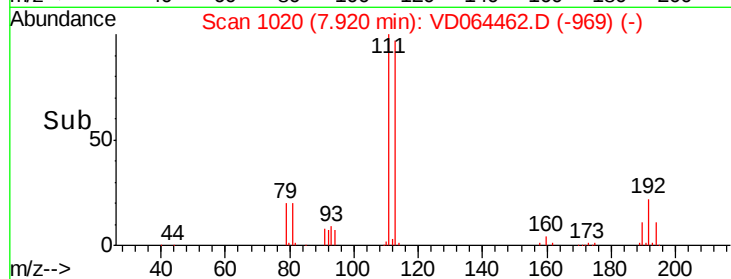
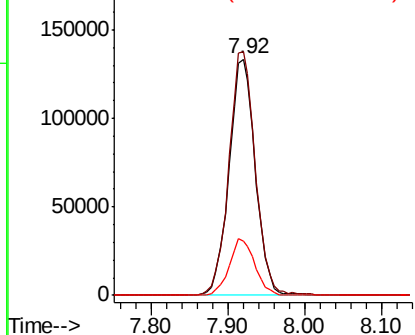
#35
 Dibromofluoromethane
 Concen: 48.033 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064462.D
 Acq: 06 Dec 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	79.4	119.2
192	23.3	18.6	28.0

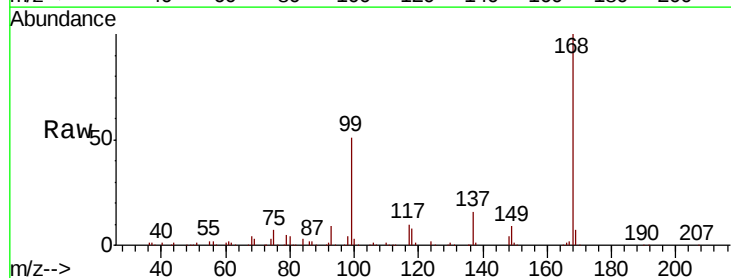


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

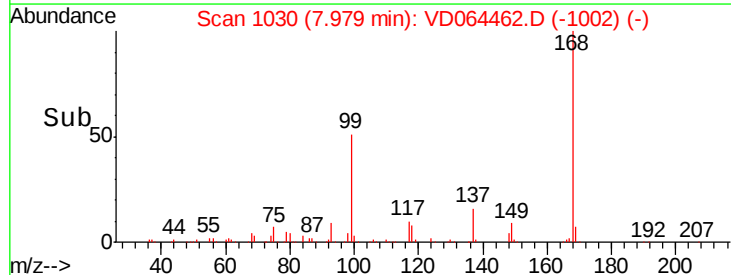
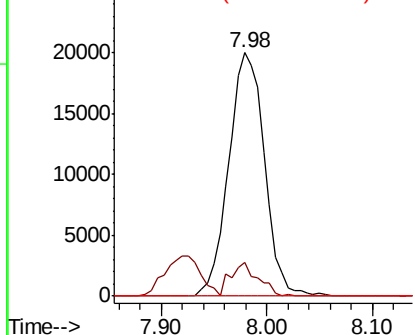


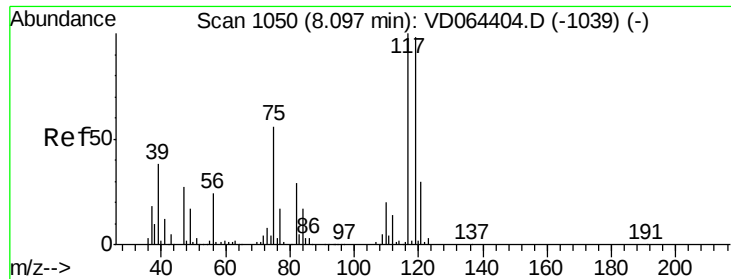
#36
 1,1-Dichloropropene
 Concen: 4.709 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064462.D
 Acq: 06 Dec 2019 16:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.6	55.8#
77	0.0	25.0	37.4#



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





#38

Carbon Tetrachloride

Concen: 6.213 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064462.D

Acq: 06 Dec 2019 16:54

Instrument :

MSVOA_D

ClientSampled :

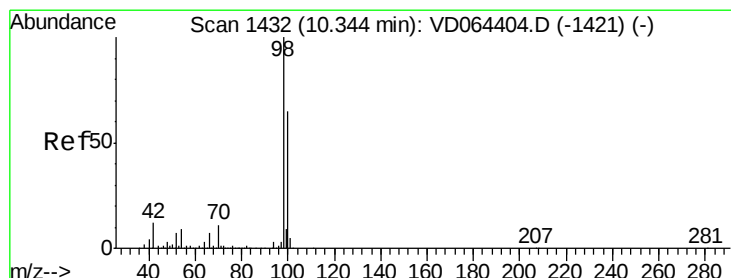
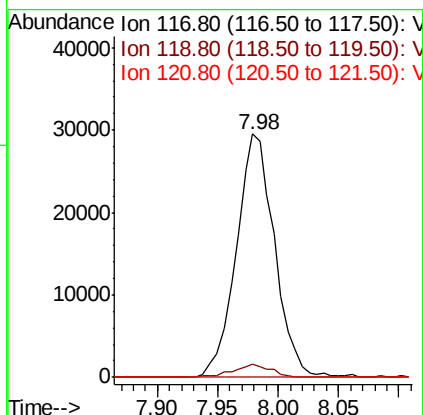
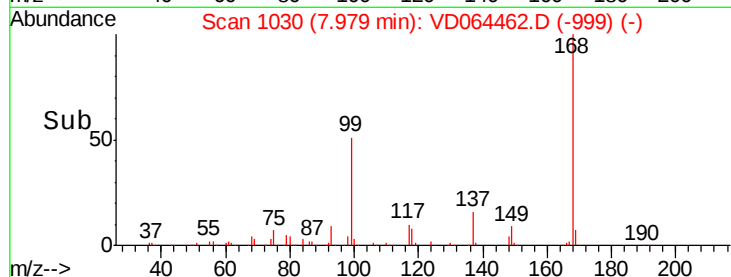
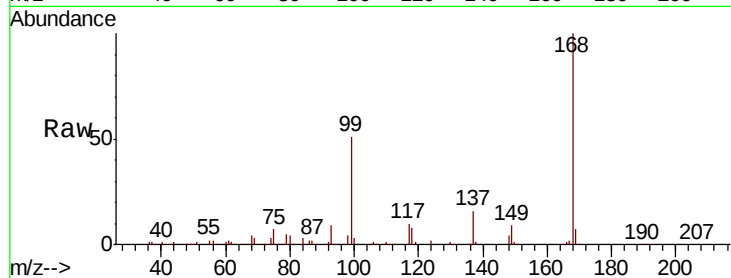
Tot Ion:117 Resp: 65157

Ion Ratio Lower Upper

117 100

119 5.3 78.8 118.2#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.980 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064462.D

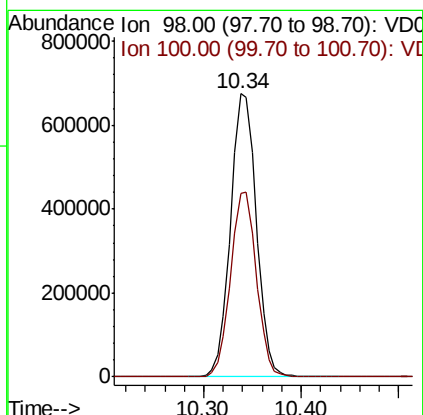
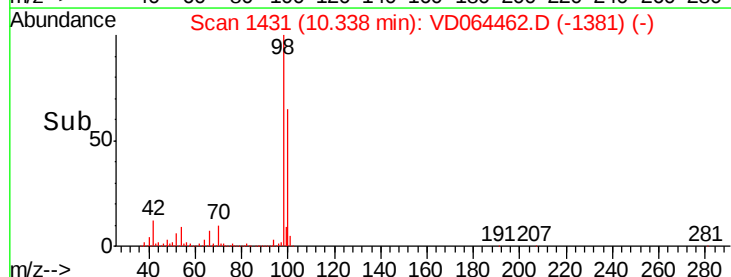
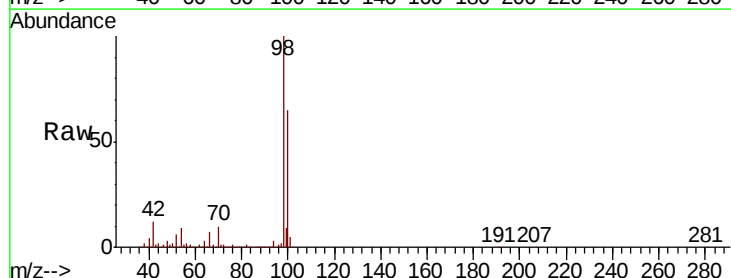
Acq: 06 Dec 2019 16:54

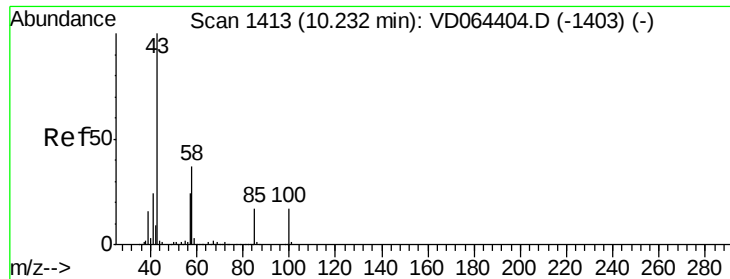
Tgt Ion: 98 Resp: 1246129

Ion Ratio Lower Upper

98 100

100 65.3 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 1.473 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD064462.D

Acq: 06 Dec 2019 16:54

Instrument :

MSVOA_D

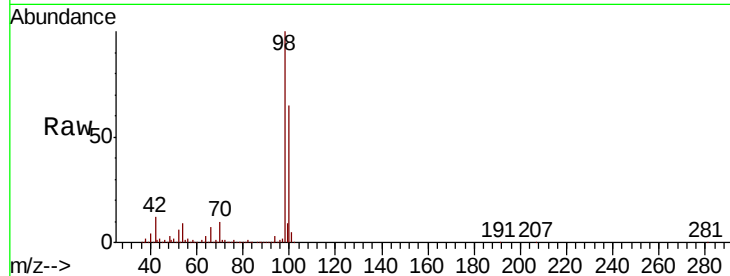
ClientSampled :

Tot Ion: 43 Resp: 6043

Ion Ratio Lower Upper

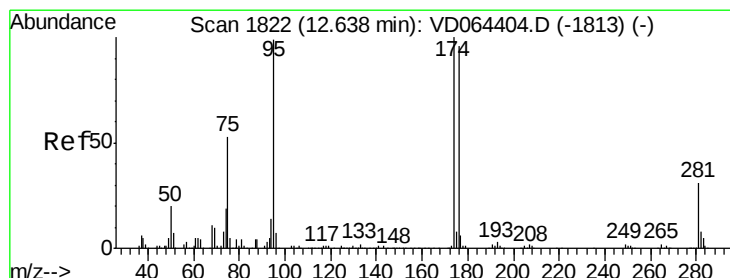
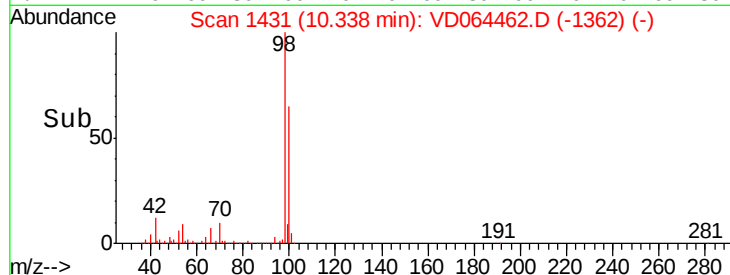
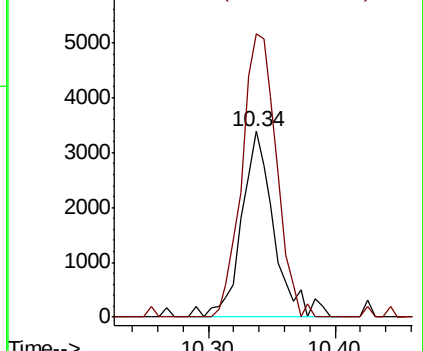
43 100

58 161.8 30.6 46.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 53.566 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064462.D

Acq: 06 Dec 2019 16:54

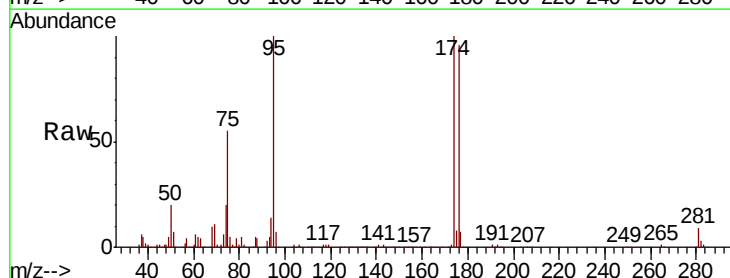
Tgt Ion: 95 Resp: 429201

Ion Ratio Lower Upper

95 100

174 97.7 0.0 197.2

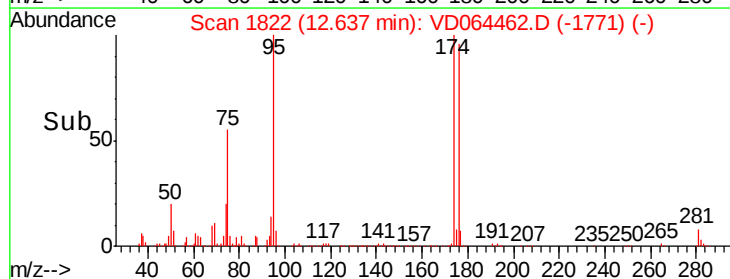
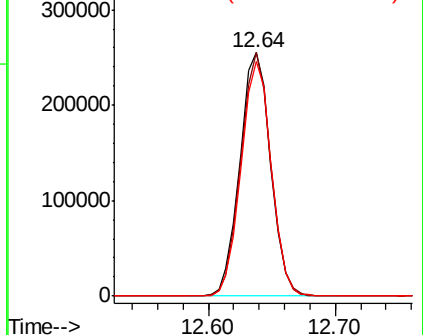
176 94.8 0.0 189.6

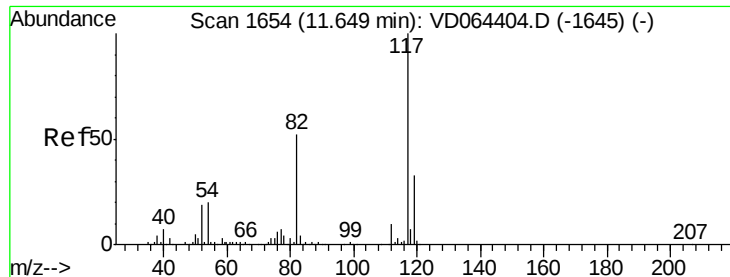


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

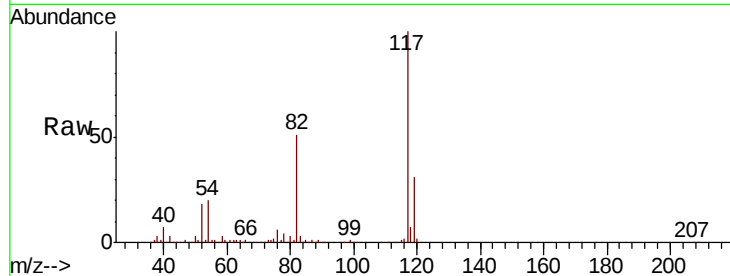




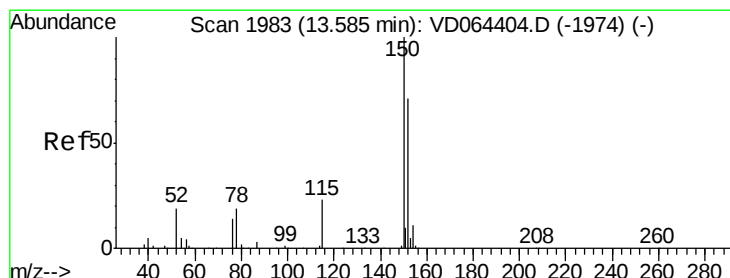
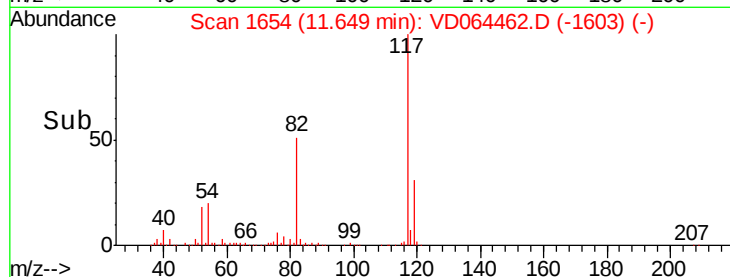
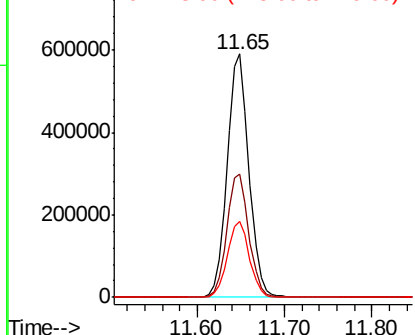
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064462.D
Acq: 06 Dec 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.4	62.2
119	31.1	26.2	39.2

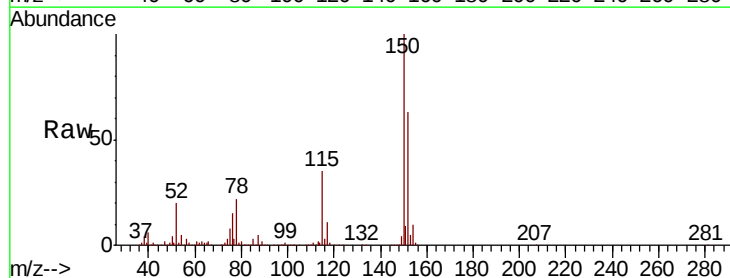


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

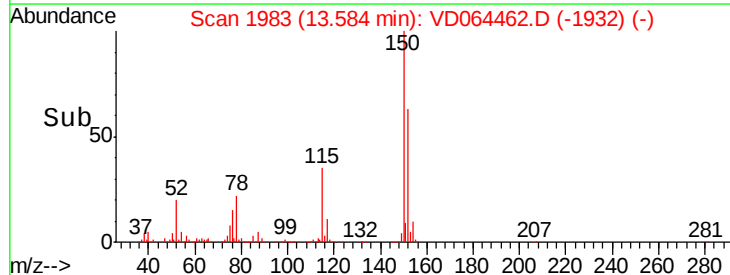
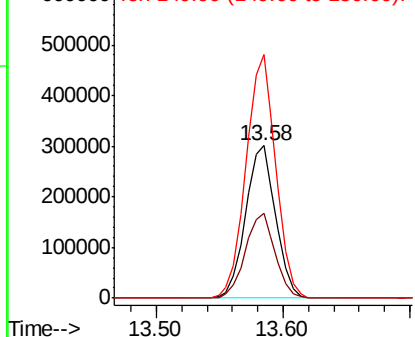


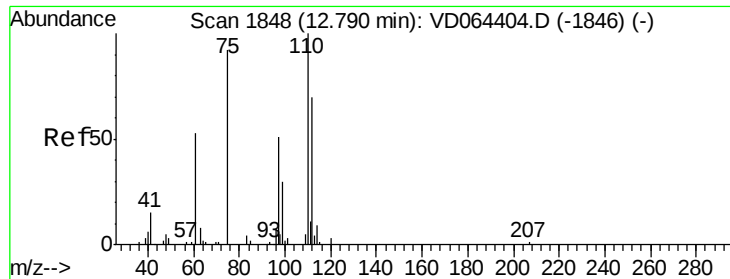
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064462.D
Acq: 06 Dec 2019 16:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	26.7	80.1
150	158.3	0.0	347.2



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: 55.713 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064462.D

Acq: 06 Dec 2019 16:54

Instrument :

MSVOA_D

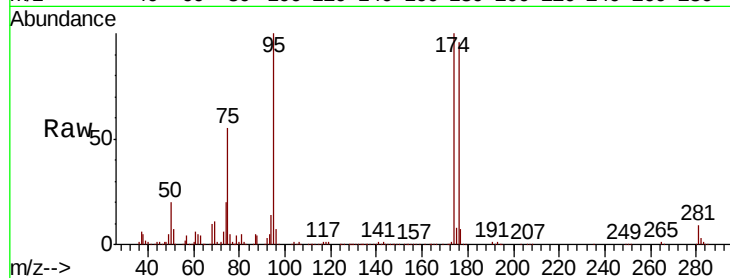
ClientSampleId :

Tot Ion: 75 Resp: 226086

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

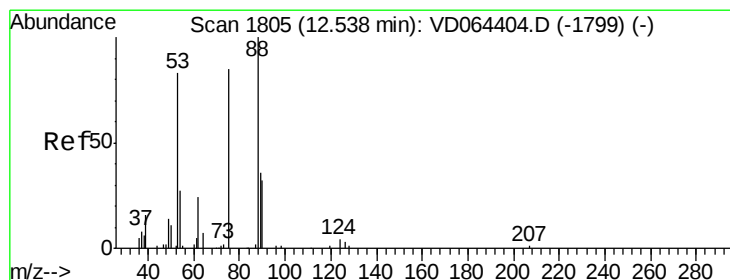
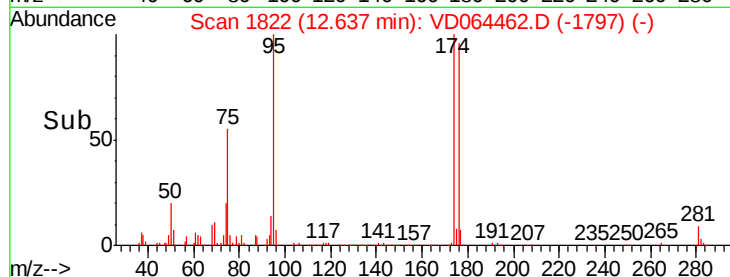
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 121.483 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064462.D

Acq: 06 Dec 2019 16:54

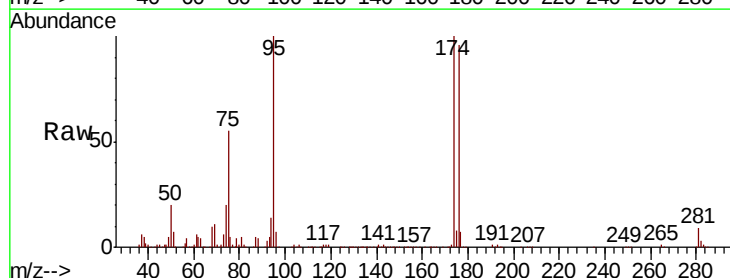
Tgt Ion: 75 Resp: 226086

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 38.5 57.7#



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

12.64

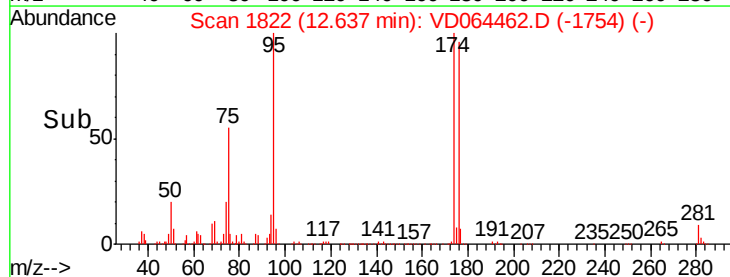
150000

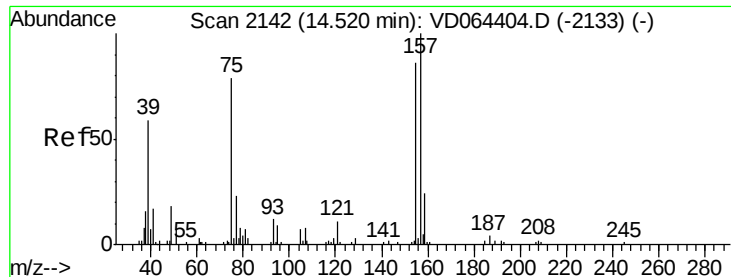
100000

50000

0

Time-->





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.47 min Scan# 2134
 Delta R.T. -0.05 min
 Lab File: VD064462.D
 Acq: 06 Dec 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 120
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.9 155.7#
 157 0.0 63.2 189.8#

