

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064457.D
 Acq On : 06 Dec 2019 14:30
 Operator : VA/SY
 Sample : K6187-02
 Misc : 5.31G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 22:36:48 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

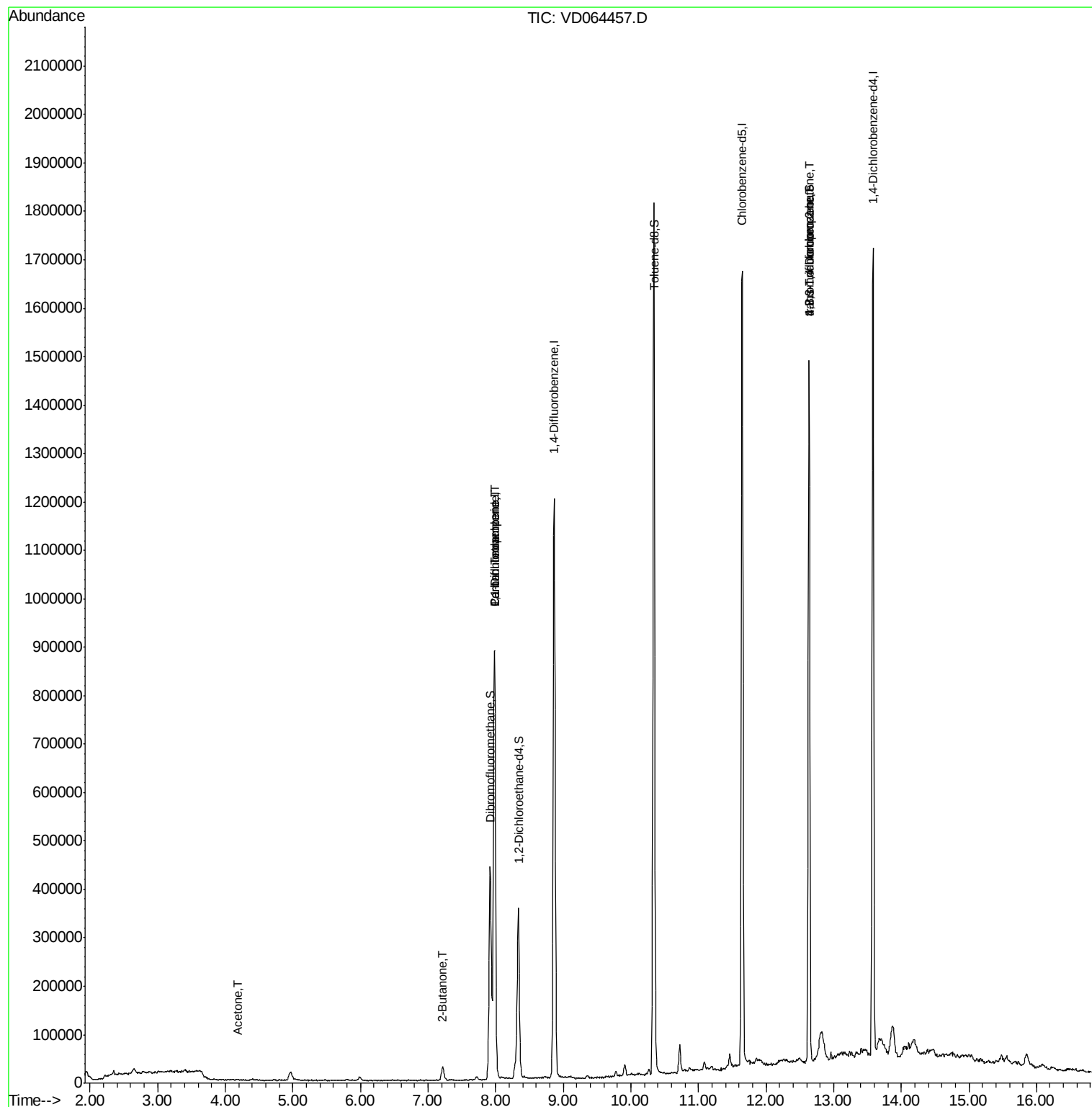
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	723960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1058438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	970320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	467430	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	274378	41.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.74%	
35) Dibromofluoromethane	7.92	113	305600	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
50) Toluene-d8	10.34	98	1249597	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.64	95	416223	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
Target Compounds						
					Qvalue	
16) Acetone	4.18	43	3603	2.721	ug/l	93
20) Methylene Chloride	4.97	84	13920	Below Cal	#	90
25) 2-Butanone	7.21	43	2274	1.214	ug/l	90
31) Cyclohexane	7.98	56	15669	Below Cal	#	23
36) 1,1-Dichloropropene	7.98	75	50773	5.072	ug/l #	49
38) Carbon Tetrachloride	7.98	117	68445	6.478	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	216334	56.279	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	216334	122.716	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.52	75	58	Below Cal	#	1

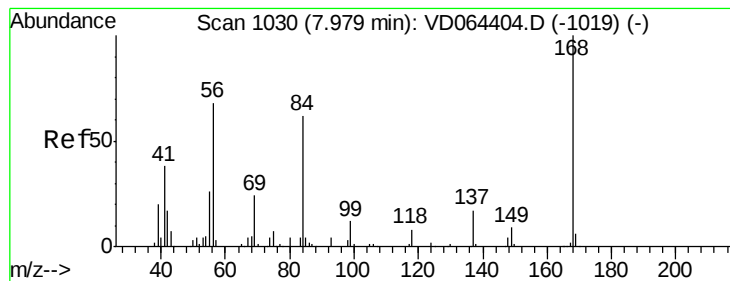
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120619\
Data File : VD064457.D
Acq On : 06 Dec 2019 14:30
Operator : VA/SY
Sample : K6187-02
Misc : 5.31G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 06 22:36:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064457.D

Acq: 06 Dec 2019 14:30

Instrument :

MSVOA_D

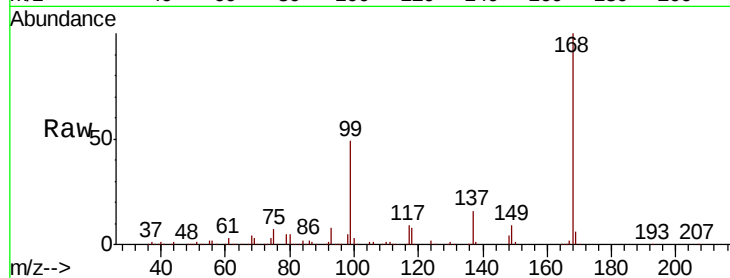
ClientSampleId :

Tot Ion:168 Resp: 723960

Ion Ratio Lower Upper

168 100

99 49.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

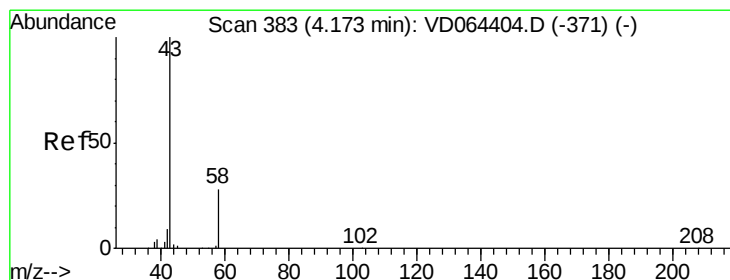
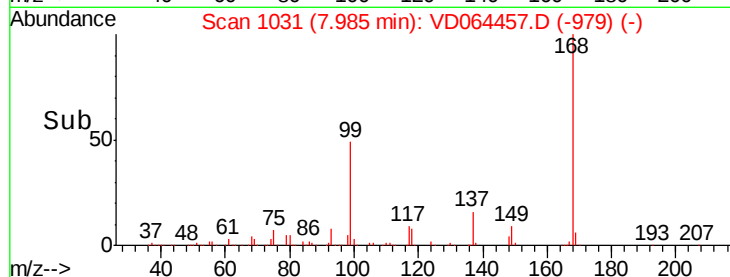
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 2.721 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064457.D

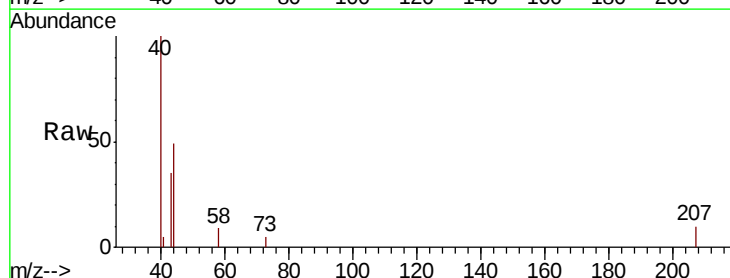
Acq: 06 Dec 2019 14:30

Tgt Ion: 43 Resp: 3603

Ion Ratio Lower Upper

43 100

58 24.6 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

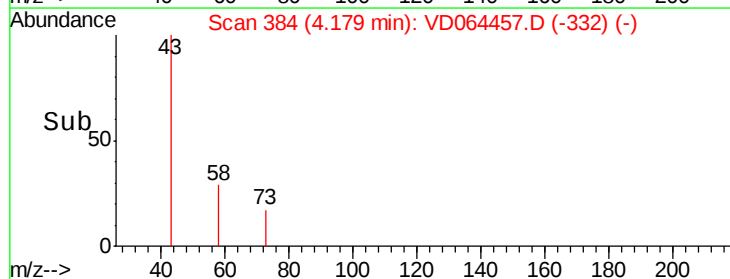
4.18

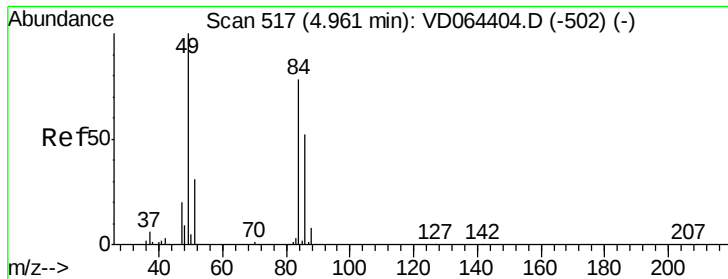
1000

500

0

Time-->

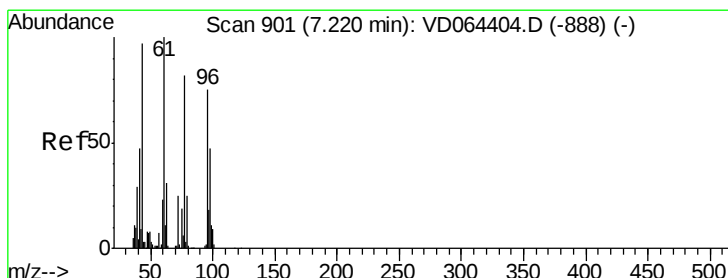
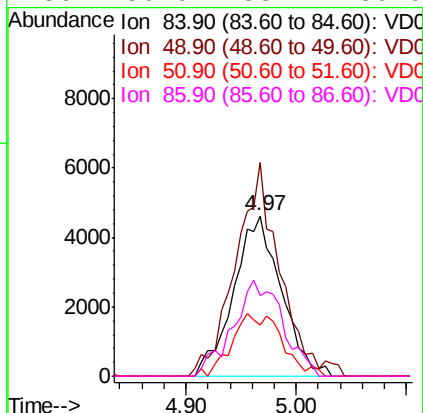
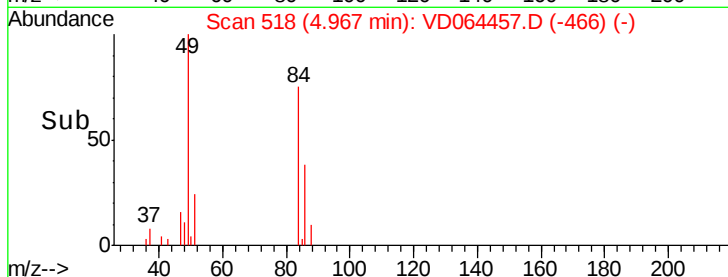
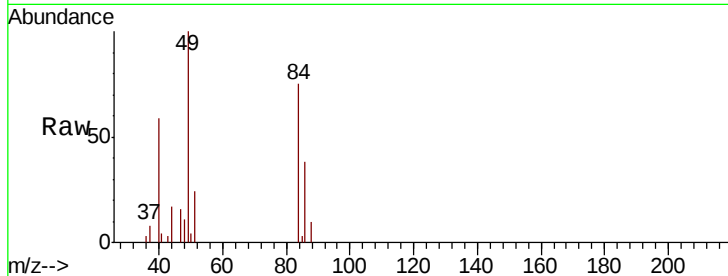




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064457.D
Acq: 06 Dec 2019 14:30

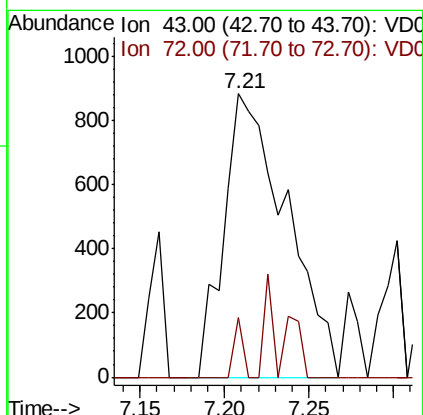
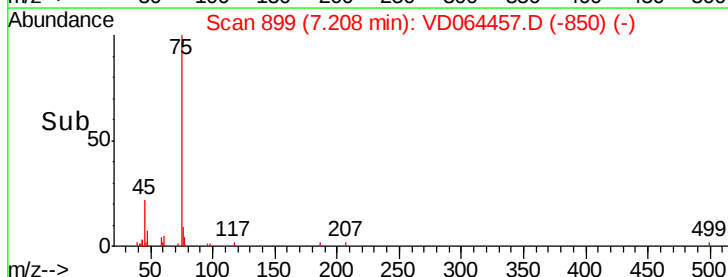
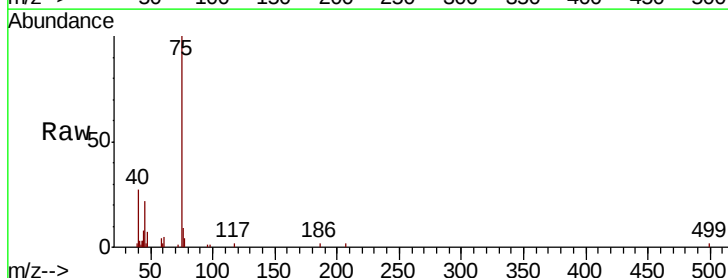
Instrument :
MSVOA_D
ClientSampleId :

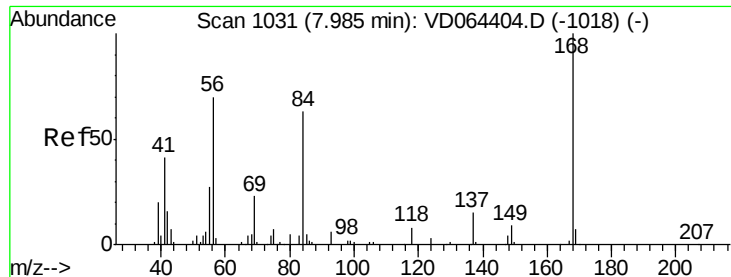
Tot Ion: 84 Resp: 13920
Ion Ratio Lower Upper
84 100
49 133.0 102.6 153.8
51 32.0 32.0 48.0
86 50.0 53.4 80.0#



#25
2-Butanone
Concen: 1.214 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064457.D
Acq: 06 Dec 2019 14:30

Tgt Ion: 43 Resp: 2274
Ion Ratio Lower Upper
43 100
72 21.2 21.0 31.4

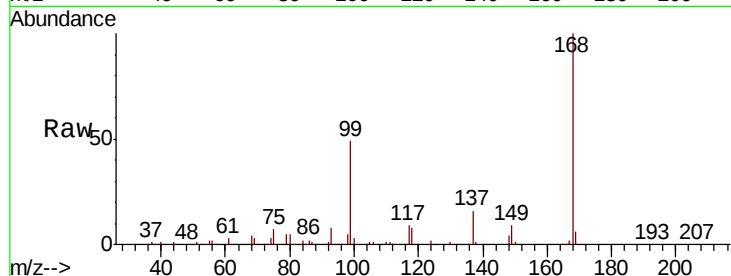




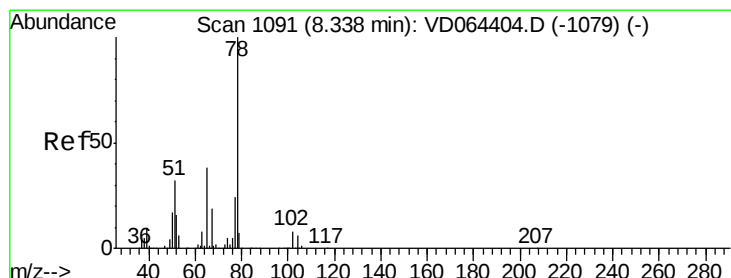
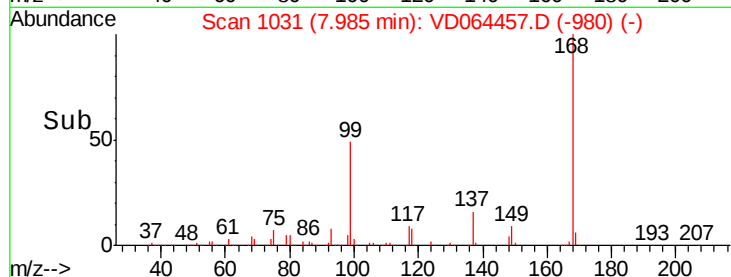
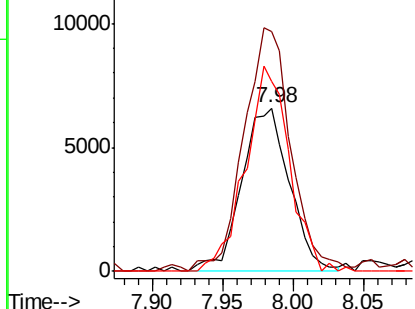
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064457.D
Acq: 06 Dec 2019 14:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 15669
Ion Ratio Lower Upper
56 100
69 146.8 26.2 39.4#
84 116.0 70.3 105.5#

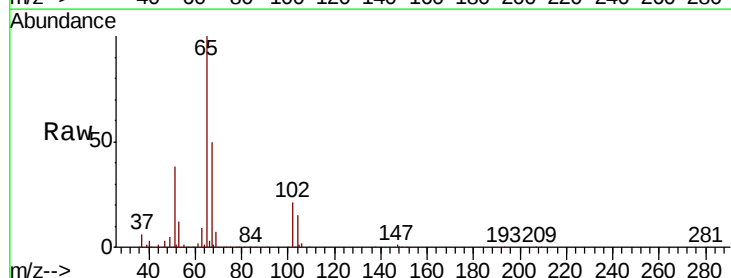


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

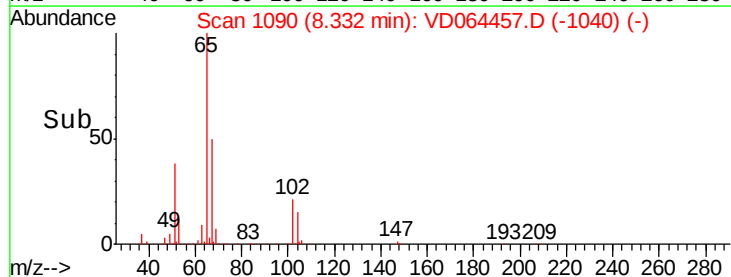
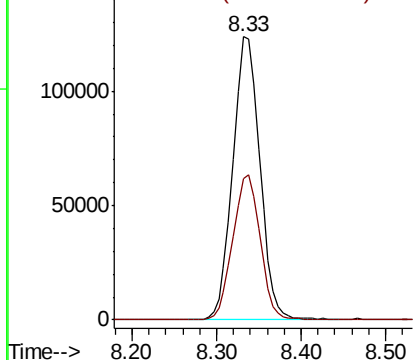


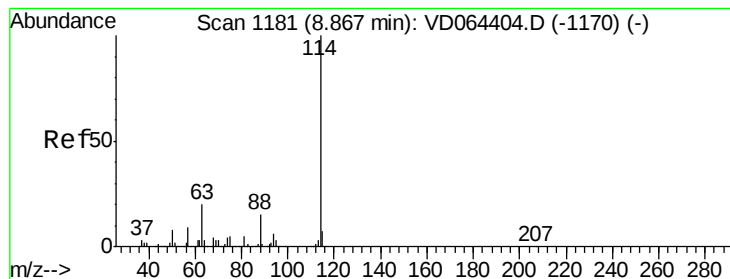
#33
1,2-Dichloroethane-d4
Concen: 41.871 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064457.D
Acq: 06 Dec 2019 14:30

Tgt Ion: 65 Resp: 274378
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.0



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: VD064457.D

Acq: 06 Dec 2019 14:30

Instrument :

MSVOA_D

ClientSampleId :

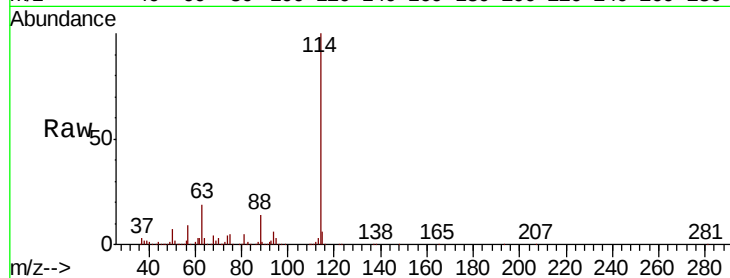
Tot Ion:114 Resp: 1058438

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

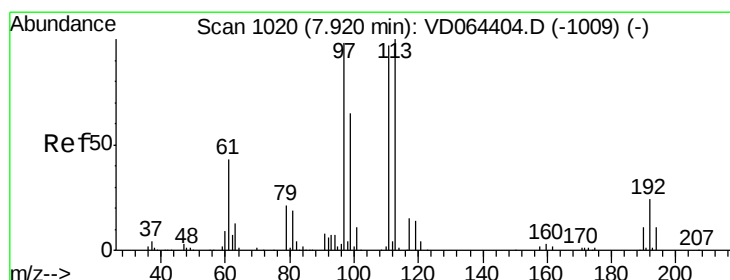
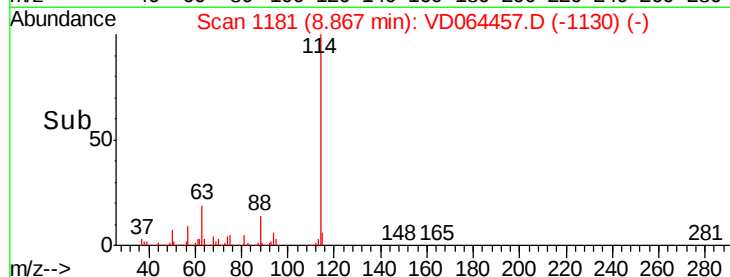
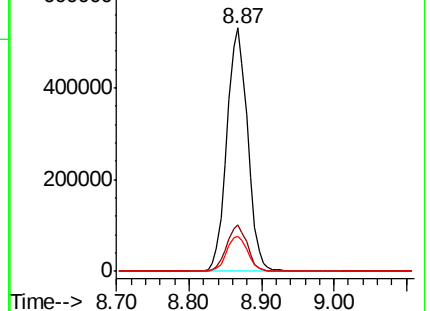
88 14.4 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 45.826 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064457.D

Acq: 06 Dec 2019 14:30

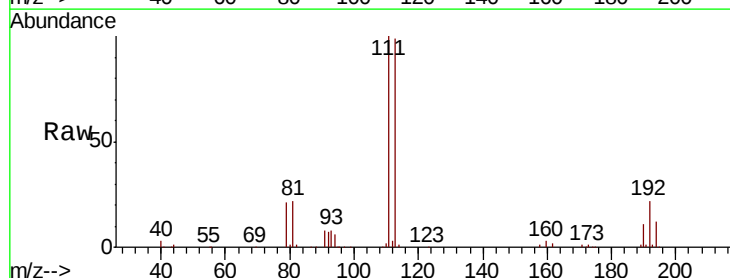
Tgt Ion:113 Resp: 305600

Ion Ratio Lower Upper

113 100

111 102.7 79.4 119.2

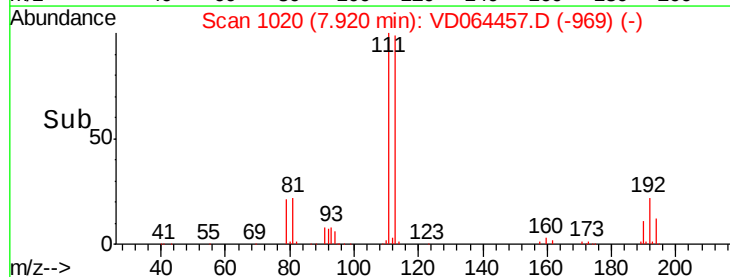
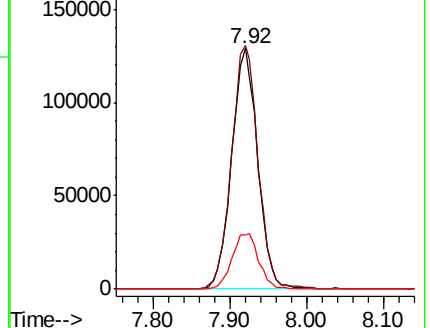
192 23.5 18.6 28.0

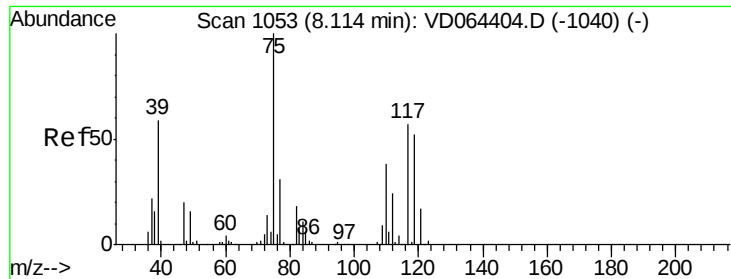


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

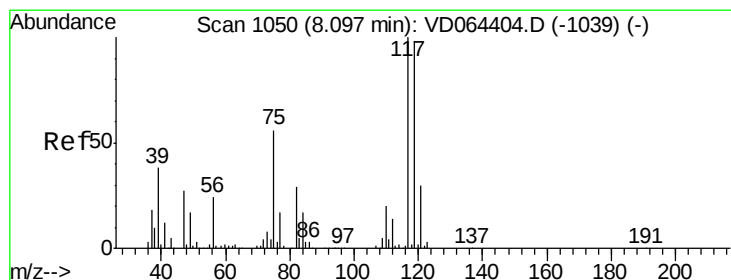
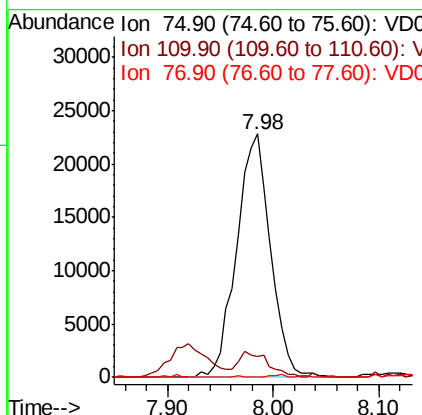
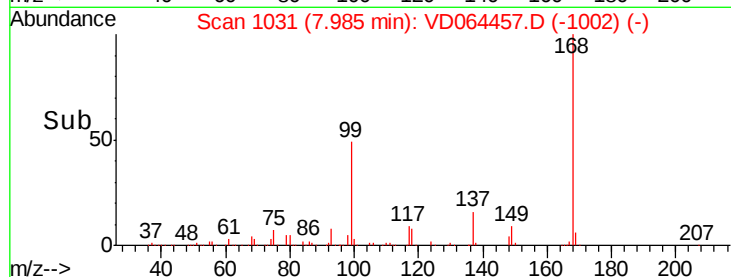
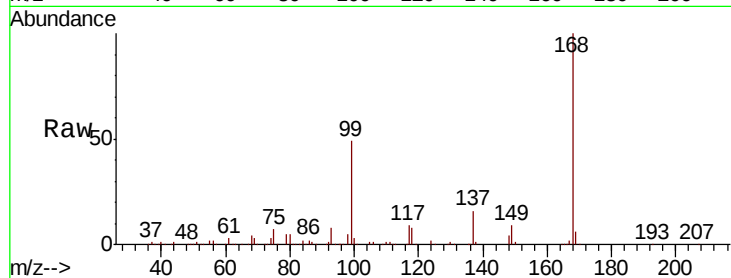




#36
 1,1-Dichloropropene
 Concen: 5.072 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064457.D
 Acq: 06 Dec 2019 14:30

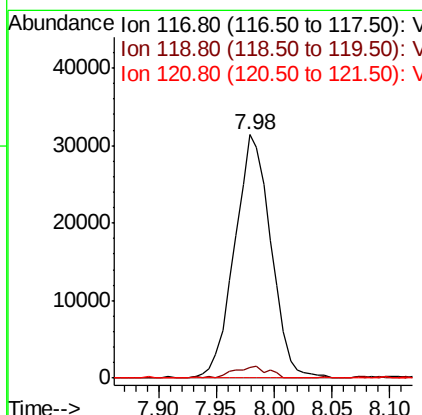
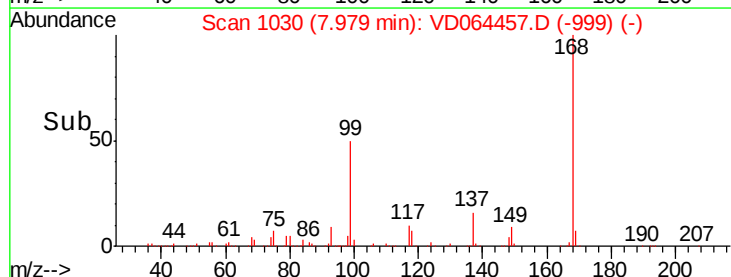
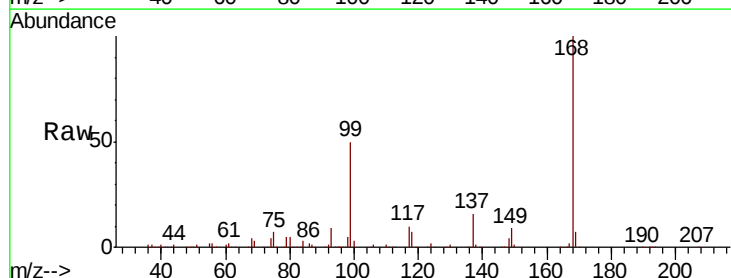
Instrument :
 MSVOA_D
 ClientSampleId :

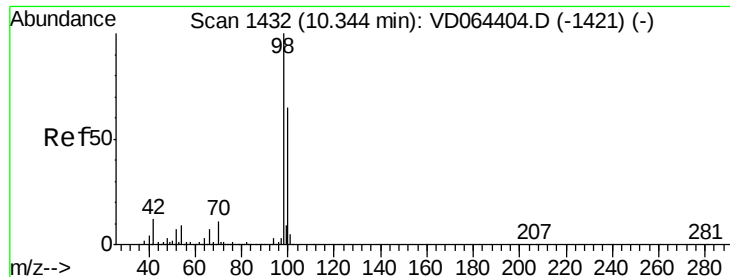
Tot Ion: 75 Resp: 50773
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.6 55.8#
 77 0.1 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.478 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064457.D
 Acq: 06 Dec 2019 14:30

Tgt Ion: 117 Resp: 68445
 Ion Ratio Lower Upper
 117 100
 119 4.6 78.8 118.2#
 121 0.0 24.2 36.2#

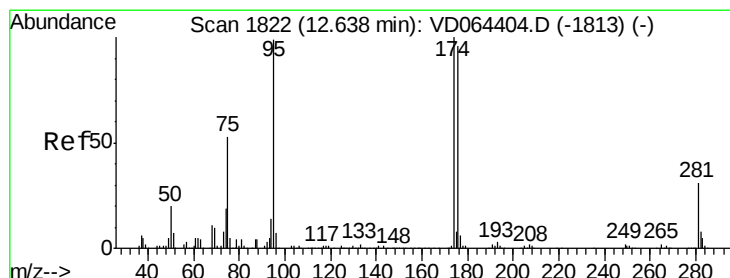
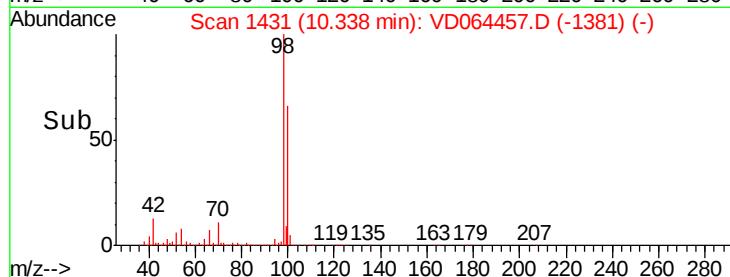
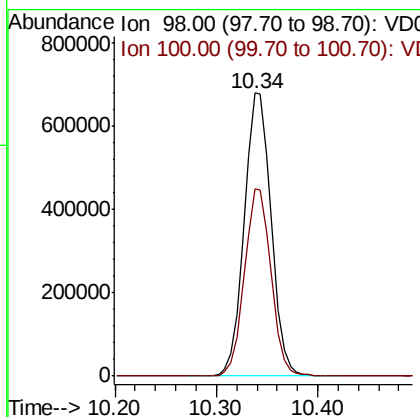
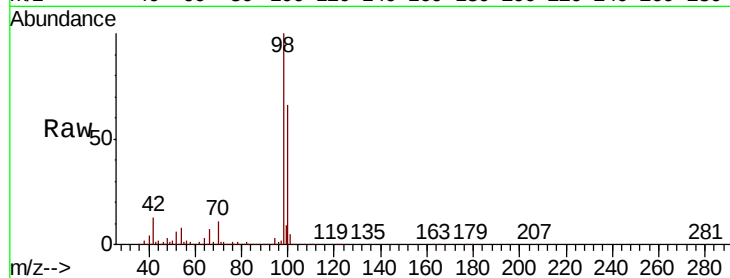




#50
Toluene-d8
Concen: 49.745 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064457.D
Acq: 06 Dec 2019 14:30

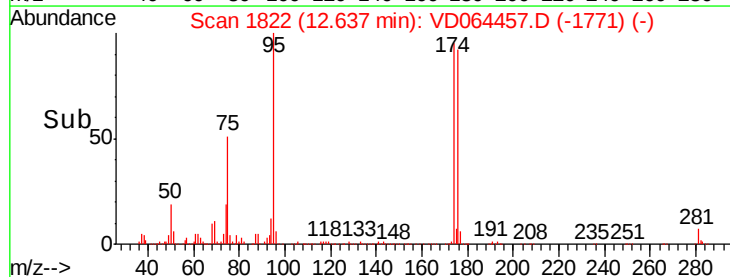
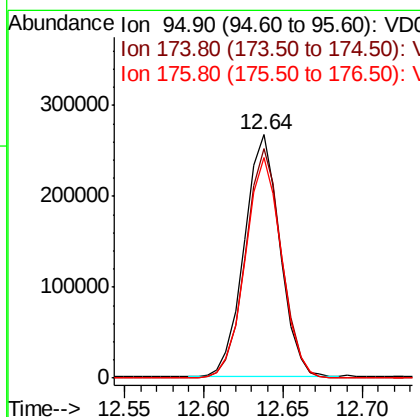
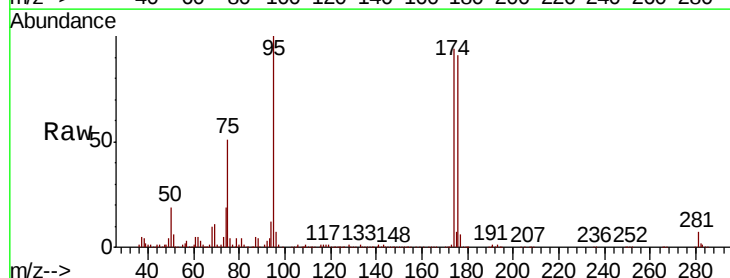
Instrument :
MSVOA_D
ClientSampleId :

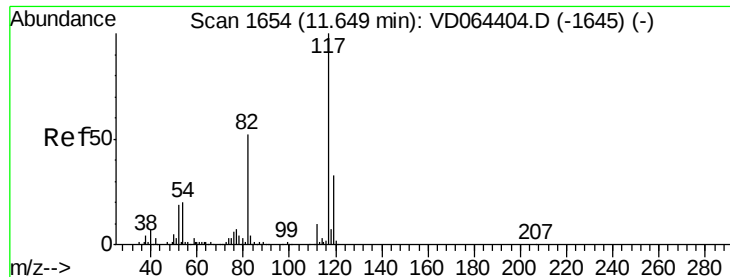
Tot Ion: 98 Resp: 1249597
Ion Ratio Lower Upper
98 100
100 65.3 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 51.558 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064457.D
Acq: 06 Dec 2019 14:30

Tgt Ion: 95 Resp: 416223
Ion Ratio Lower Upper
95 100
174 95.6 0.0 197.2
176 93.1 0.0 189.6

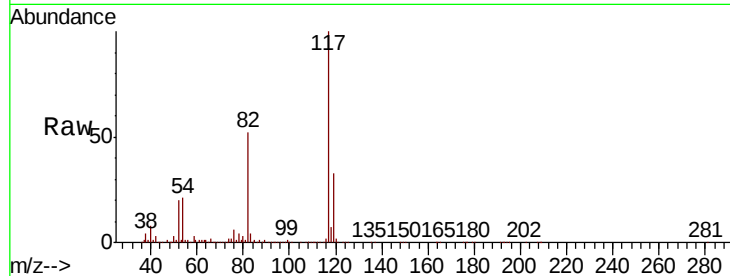




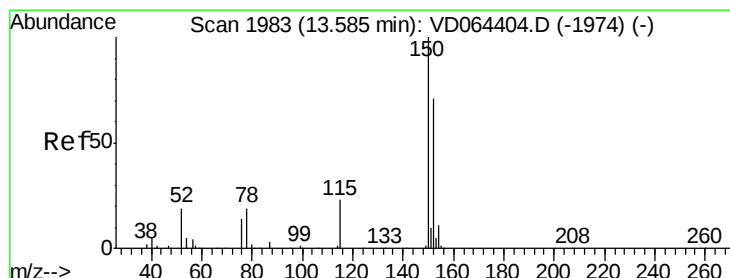
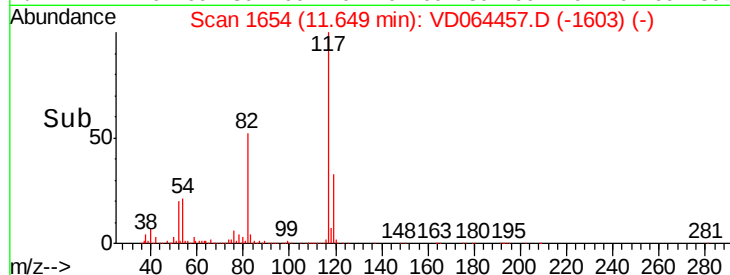
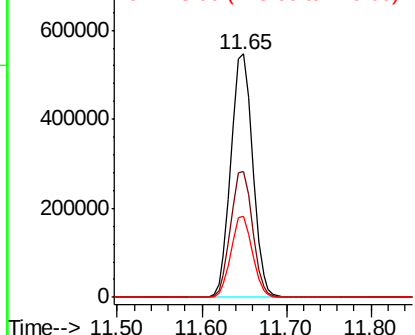
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064457.D
Acq: 06 Dec 2019 14:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 970320
Ion Ratio Lower Upper
117 100
82 51.7 41.4 62.2
119 33.1 26.2 39.2

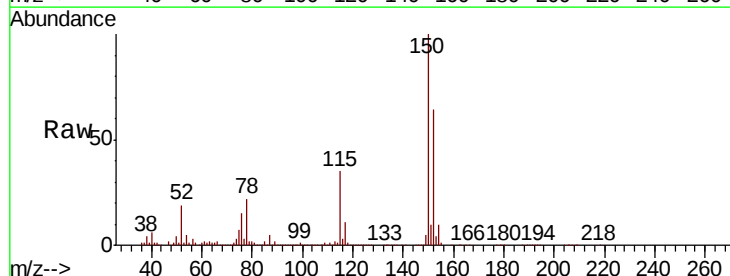


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

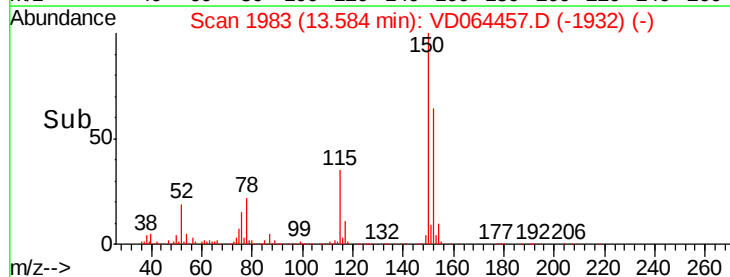
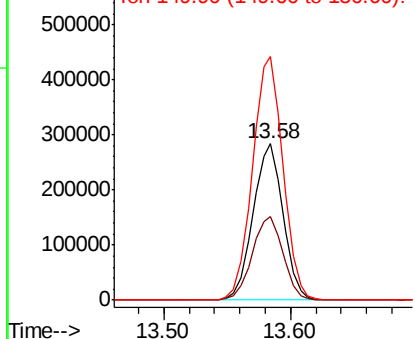


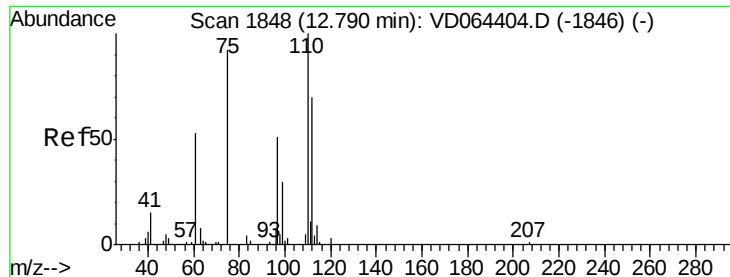
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064457.D
Acq: 06 Dec 2019 14:30

Tgt Ion:152 Resp: 467430
Ion Ratio Lower Upper
152 100
115 55.1 26.7 80.1
150 157.8 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: 56.279 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064457.D

Acq: 06 Dec 2019 14:30

Instrument :

MSVOA_D

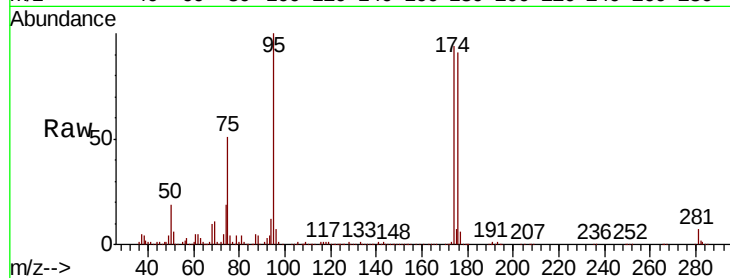
ClientSampleId :

Tot Ion: 75 Resp: 216334

Ion Ratio Lower Upper

75 100

77 1.6 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

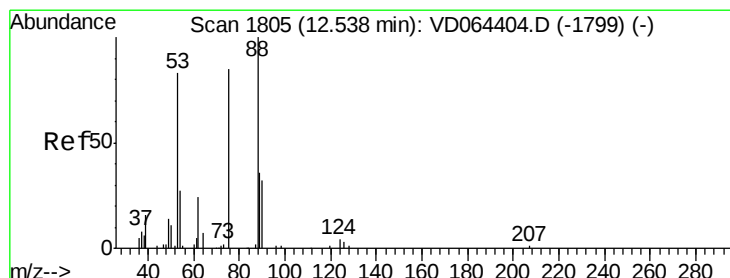
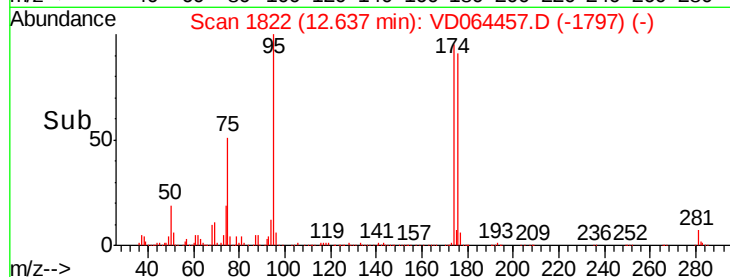
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 122.716 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064457.D

Acq: 06 Dec 2019 14:30

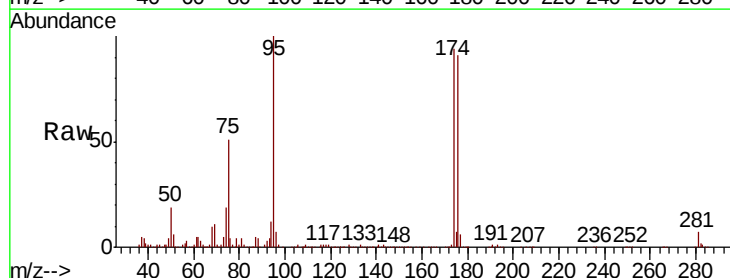
Tgt Ion: 75 Resp: 216334

Ion Ratio Lower Upper

75 100

53 0.3 81.0 121.6#

89 0.1 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

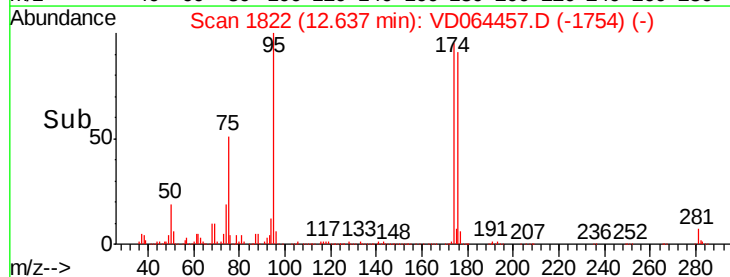
150000

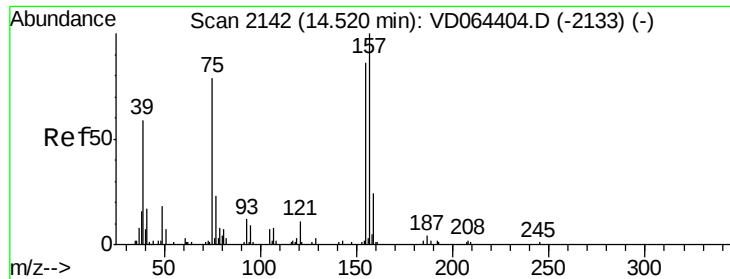
100000

50000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064457.D

Acq: 06 Dec 2019 14:30

Instrument :

MSVOA_D

ClientSampleId :

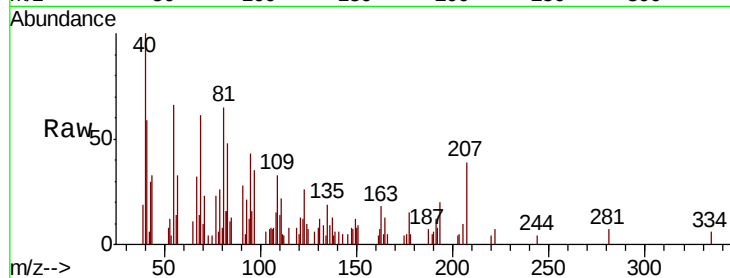
Tot Ion: 75 Resp: 58

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

157 0.0 63.2 189.8#



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

