

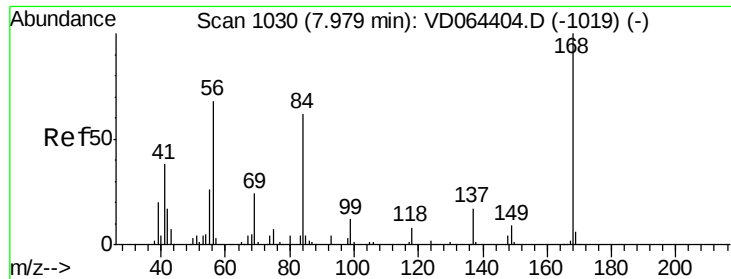
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064466.D
 Acq On : 06 Dec 2019 18:49
 Operator : VA/SY
 Sample : K6187-08RE
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 22:38:25 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	686696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	995710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	901736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	417874	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	249198	40.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.18%	
35) Dibromofluoromethane	7.92	113	291117	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
50) Toluene-d8	10.34	98	1175563	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.64	95	377717	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
Target Compounds						
16) Acetone	4.16	43	6389	5.087	ug/l	94
20) Methylene Chloride	4.97	84	8198	Below Cal	#	66
31) Cyclohexane	7.98	56	13773	Below Cal	#	16
36) 1,1-Dichloropropene	7.98	75	46566	4.944	ug/l #	49
38) Carbon Tetrachloride	7.98	117	62954	6.333	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	195539	56.901	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	195539	124.075	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.50	75	77	Below Cal	#	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064466.D

Acq: 06 Dec 2019 18:49

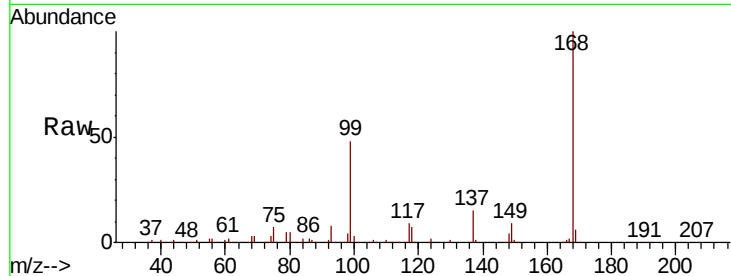
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 686696

Ion Ratio Lower Upper

168 100

99 48.2 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

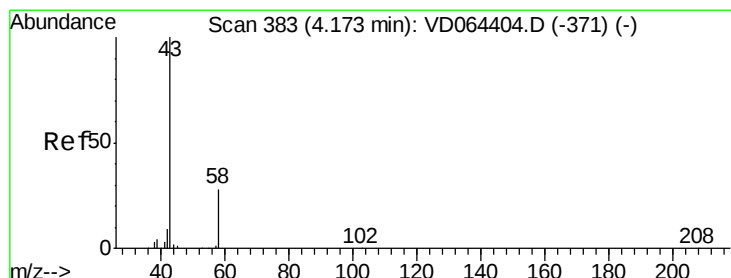
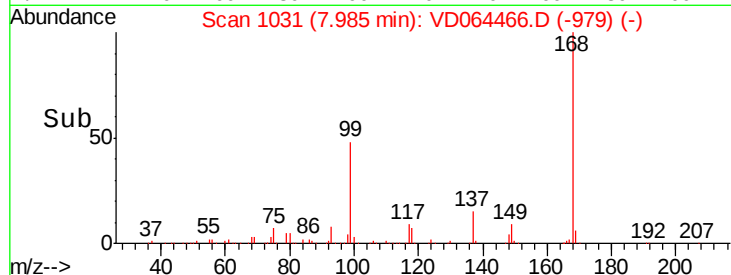
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 5.087 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064466.D

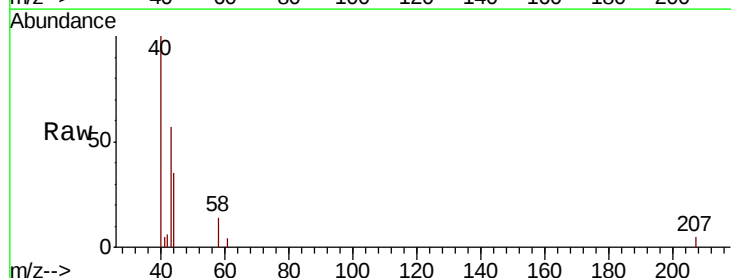
Acq: 06 Dec 2019 18:49

Tgt Ion: 43 Resp: 6389

Ion Ratio Lower Upper

43 100

58 24.9 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

2500

2000

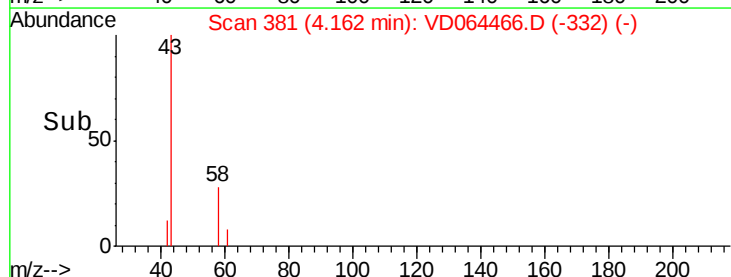
1500

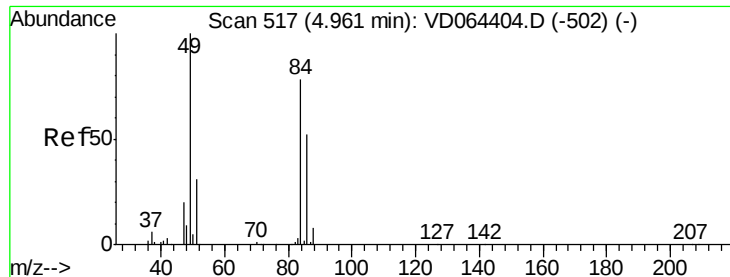
1000

500

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064466.D

Acq: 06 Dec 2019 18:49

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 8198

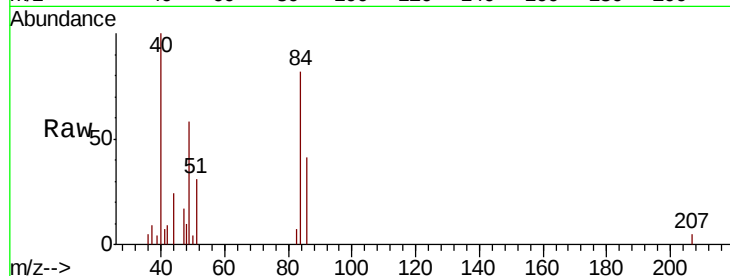
Ion Ratio Lower Upper

84 100

49 70.6 102.6 153.8#

51 38.3 32.0 48.0

86 50.1 53.4 80.0#

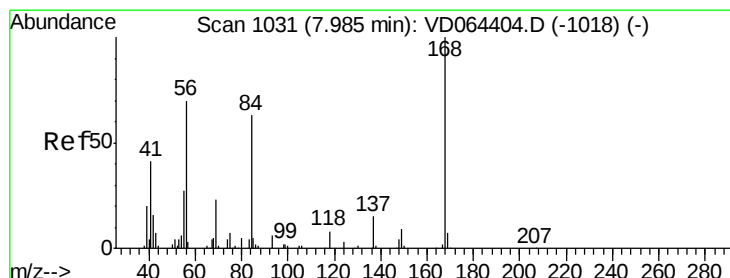
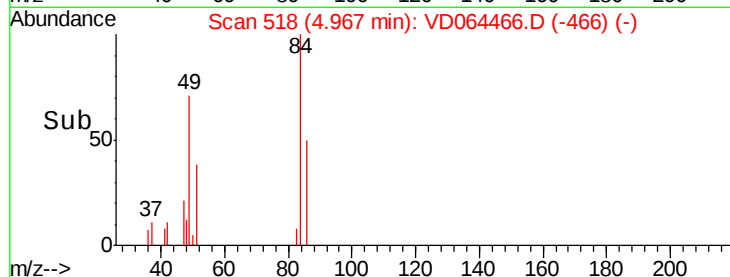
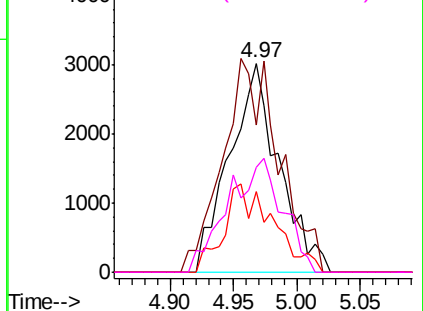


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064466.D

Acq: 06 Dec 2019 18:49

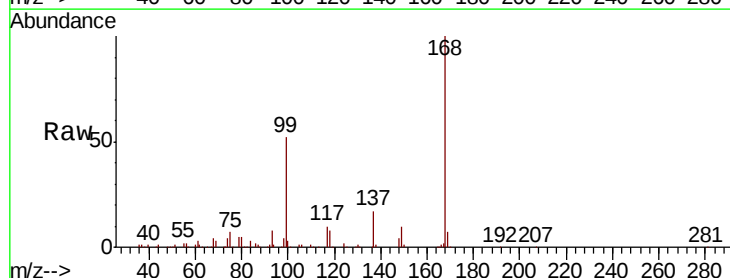
Tgt Ion: 56 Resp: 13773

Ion Ratio Lower Upper

56 100

69 125.7 26.2 39.4#

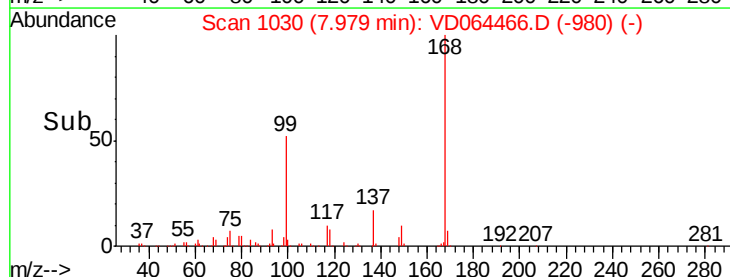
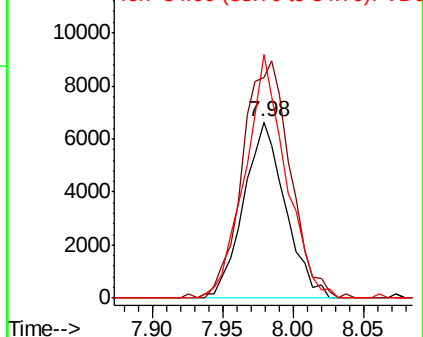
84 138.4 70.3 105.5#

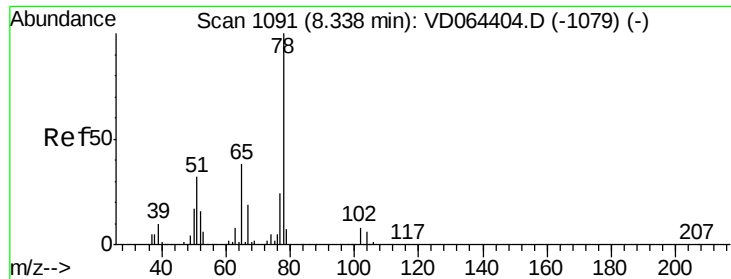


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

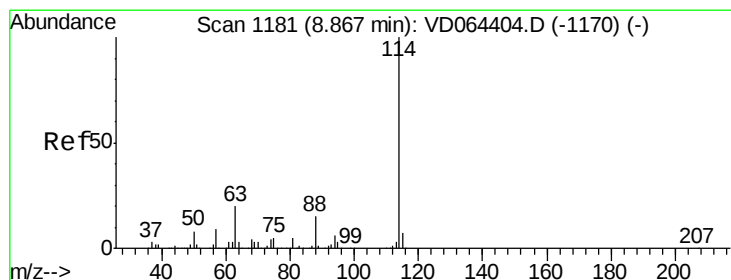
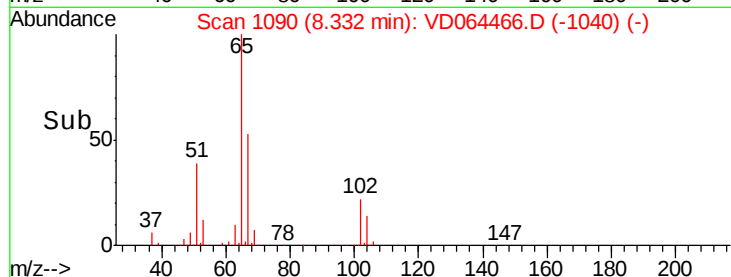
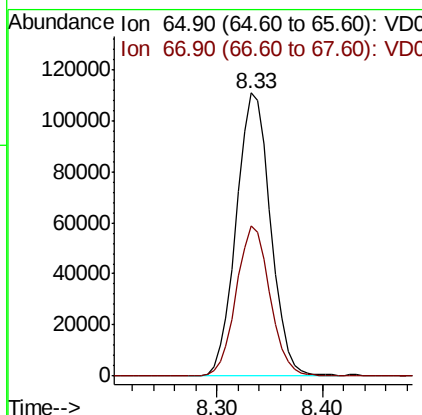
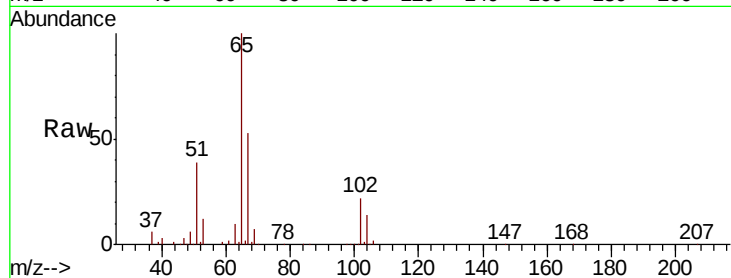




#33
 1,2-Dichloroethane-d4
 Concen: 40.092 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064466.D
 Acq: 06 Dec 2019 18:49

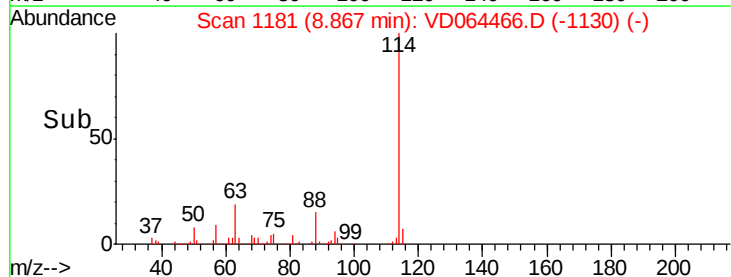
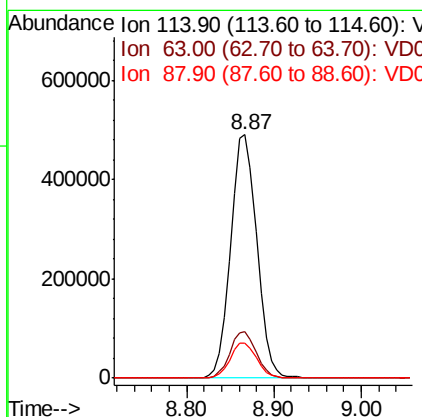
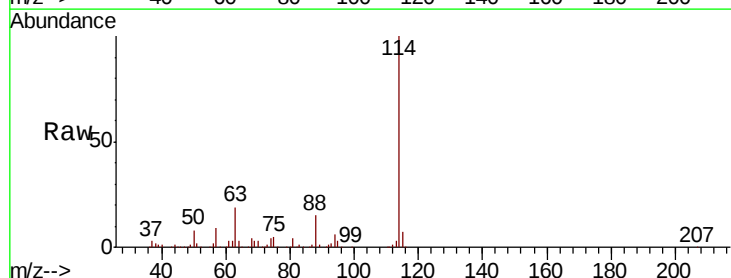
Instrument :
 MSVOA_D
 ClientSampleId :

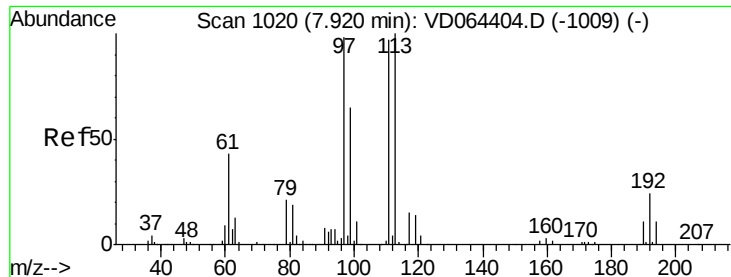
Tot Ion: 65 Resp: 249198
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064466.D
 Acq: 06 Dec 2019 18:49

Tgt Ion: 114 Resp: 995710
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.0
 88 14.5 0.0 29.2

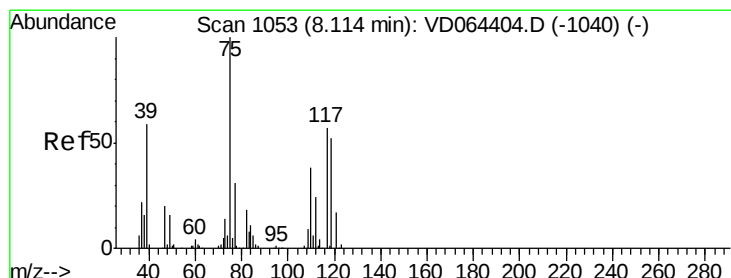
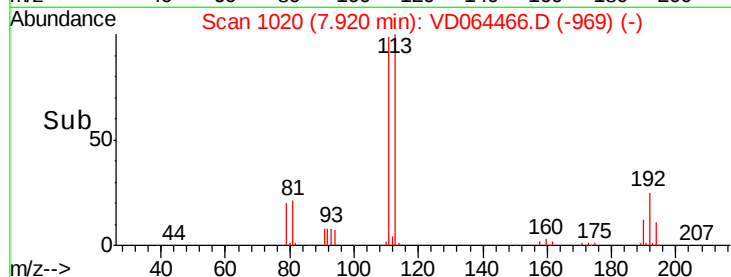
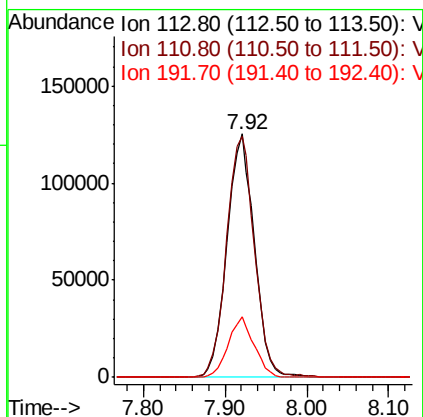
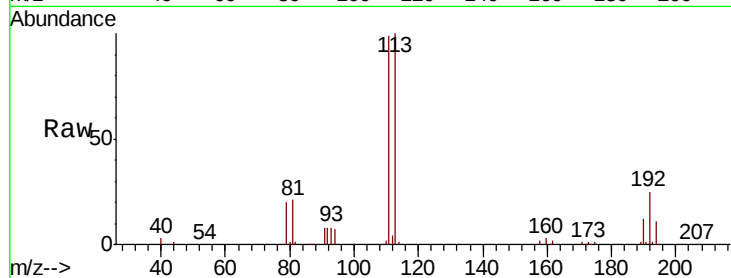




#35
 Dibromofluoromethane
 Concen: 46.404 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064466.D
 Acq: 06 Dec 2019 18:49

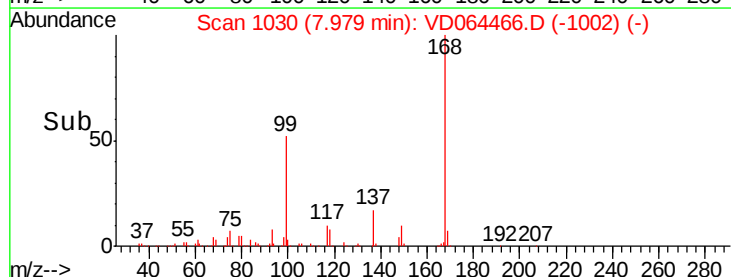
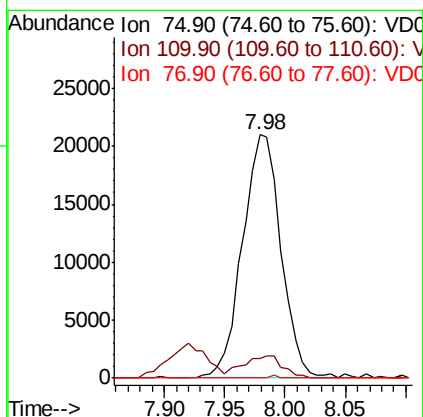
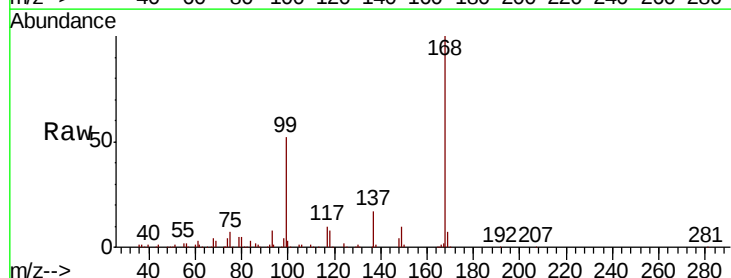
Instrument :
 MSVOA_D
 ClientSampleId :

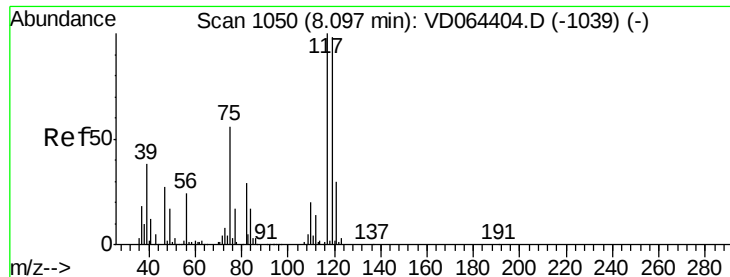
Tot Ion:113 Resp: 291117
 Ion Ratio Lower Upper
 113 100
 111 101.8 79.4 119.2
 192 23.5 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 4.944 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064466.D
 Acq: 06 Dec 2019 18:49

Tgt Ion: 75 Resp: 46566
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.6 55.8#
 77 0.2 25.0 37.4#

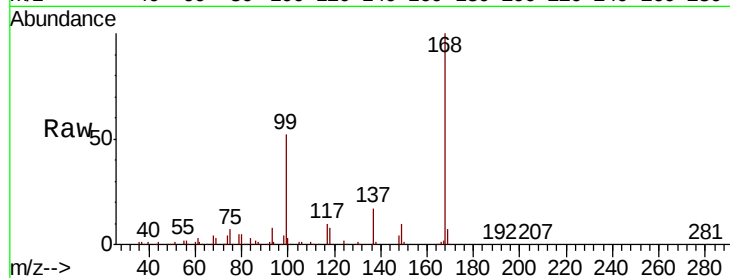




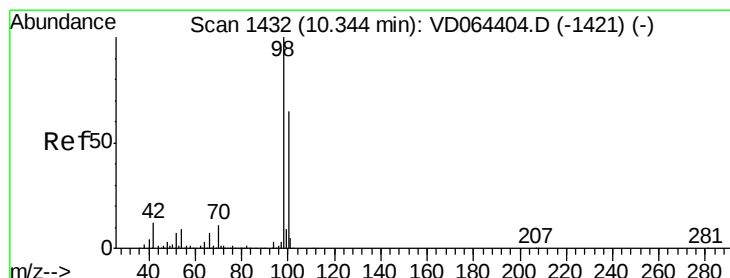
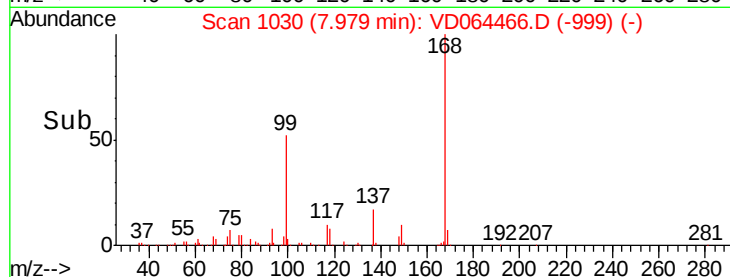
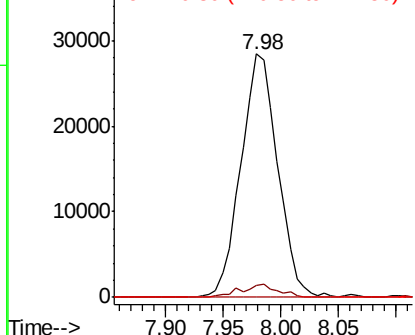
#38
Carbon Tetrachloride
Concen: 6.333 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064466.D
Acq: 06 Dec 2019 18:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 62954
Ion Ratio Lower Upper
117 100
119 4.9 78.8 118.2#
121 0.0 24.2 36.2#

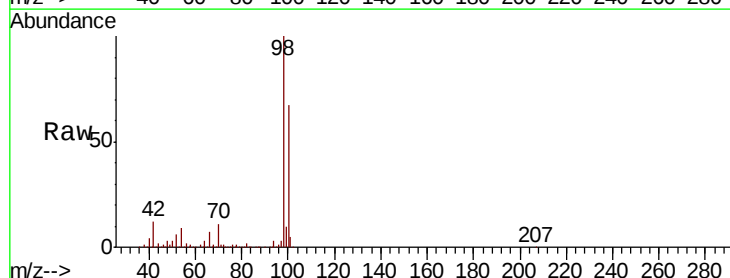


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

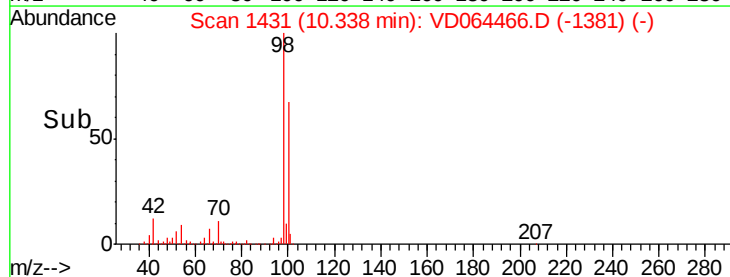
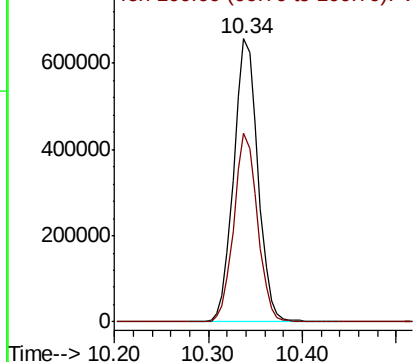


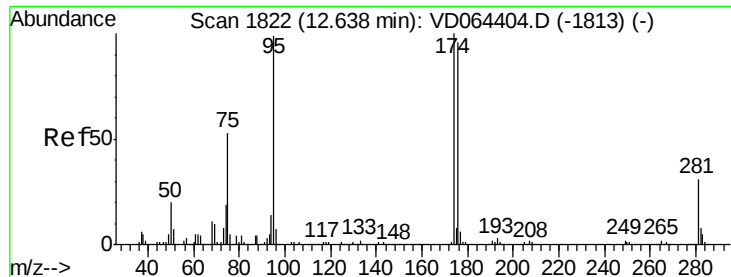
#50
Toluene-d8
Concen: 49.746 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064466.D
Acq: 06 Dec 2019 18:49

Tgt Ion: 98 Resp: 1175563
Ion Ratio Lower Upper
98 100
100 65.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD

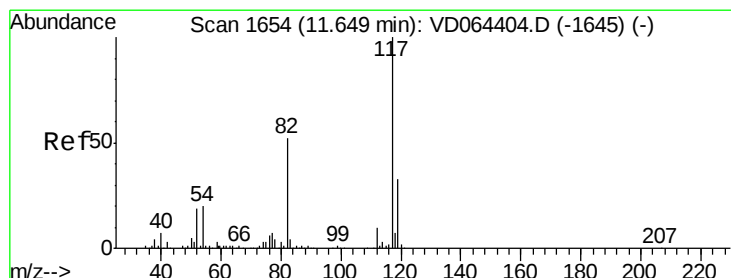
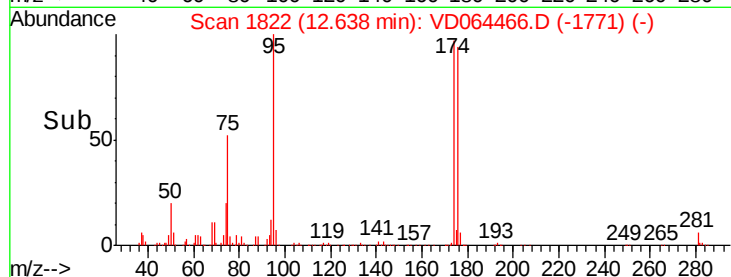
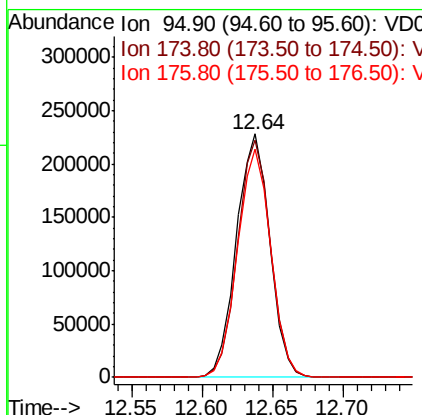
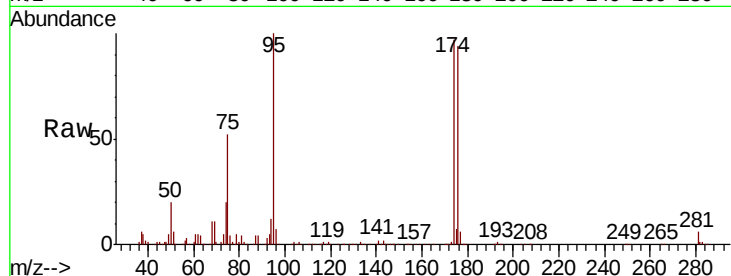




#62
4-Bromofluorobenzene
Concen: 49.736 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064466.D
Acq: 06 Dec 2019 18:49

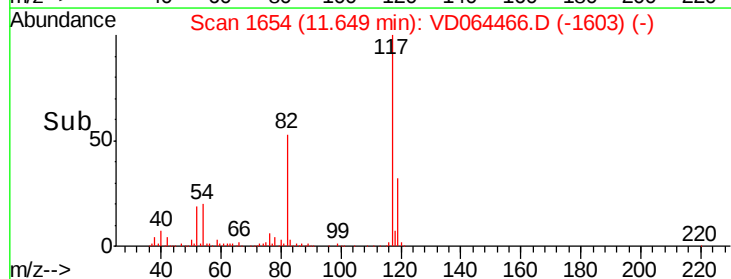
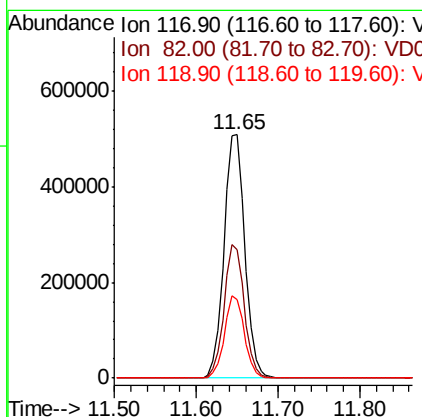
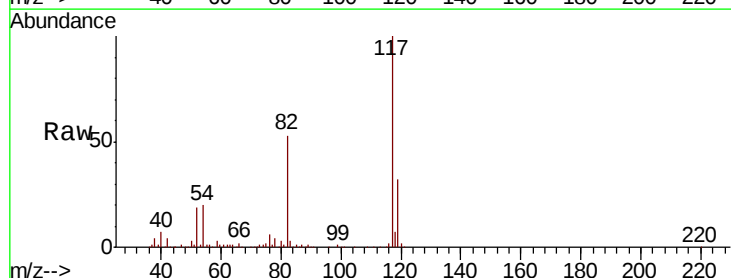
Instrument :
MSVOA_D
ClientSampleId :

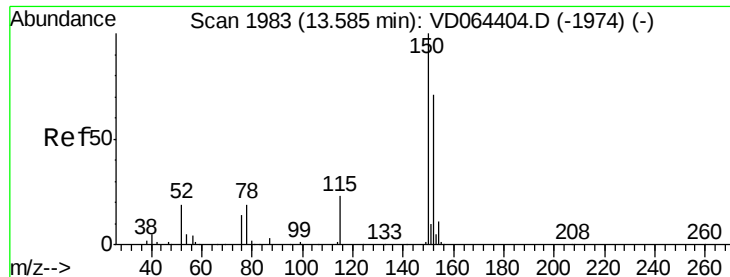
Tot Ion: 95 Resp: 377717
Ion Ratio Lower Upper
95 100
174 96.3 0.0 197.2
176 93.5 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064466.D
Acq: 06 Dec 2019 18:49

Tgt Ion: 117 Resp: 901736
Ion Ratio Lower Upper
117 100
82 52.8 41.4 62.2
119 32.4 26.2 39.2



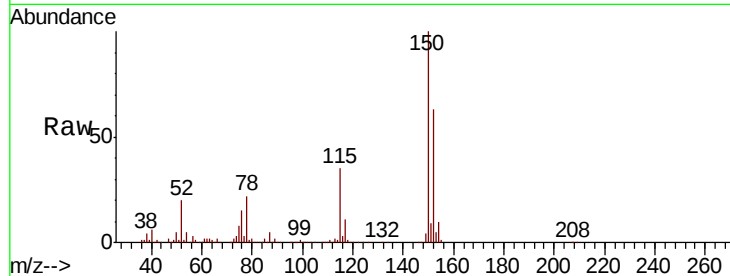


#72

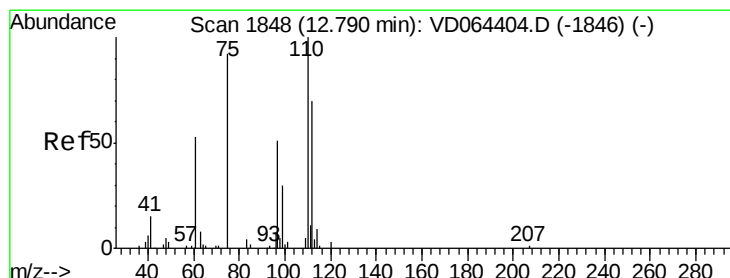
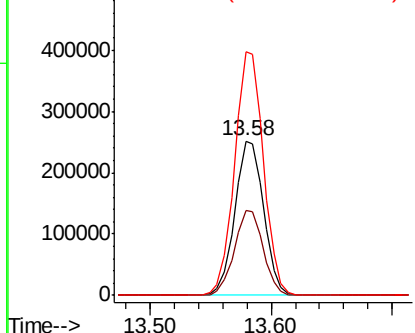
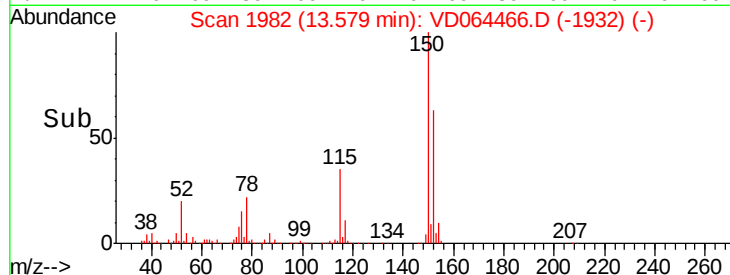
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064466.D
Acq: 06 Dec 2019 18:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 417874
Ion Ratio Lower Upper
152 100
115 55.0 26.7 80.1
150 157.8 0.0 347.2



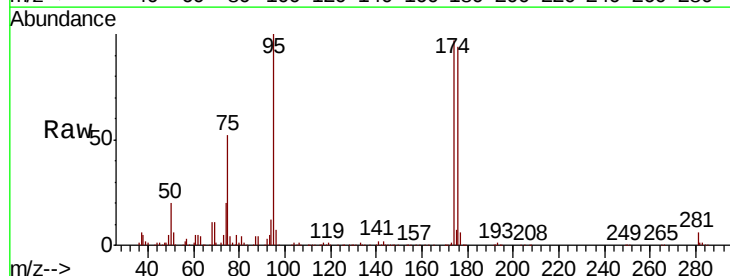
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



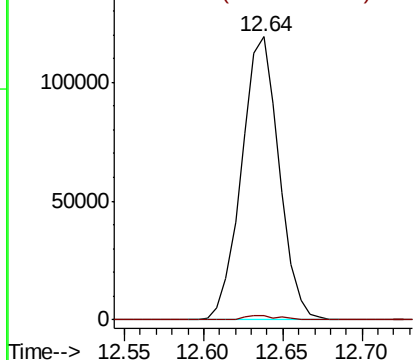
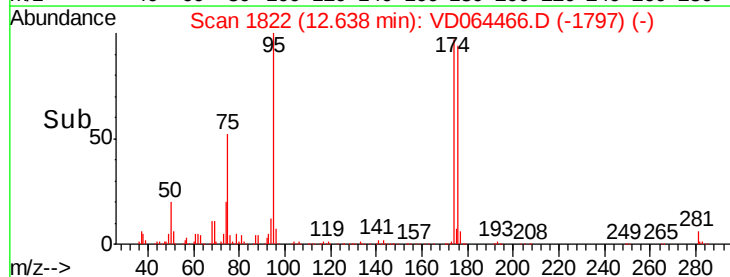
#76

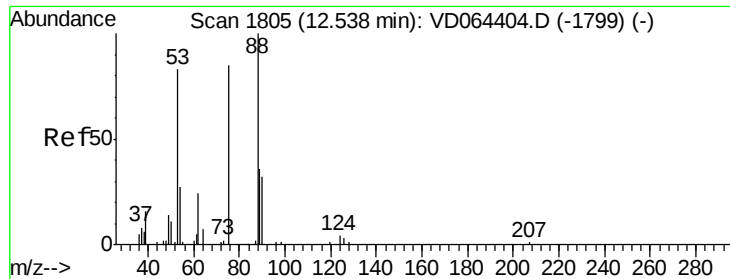
1,2,3-Trichloropropane
Concen: 56.901 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064466.D
Acq: 06 Dec 2019 18:49

Tgt Ion: 75 Resp: 195539
Ion Ratio Lower Upper
75 100
77 1.5 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: 124.075 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064466.D

Acq: 06 Dec 2019 18:49

Instrument :

MSVOA_D

ClientSampleId :

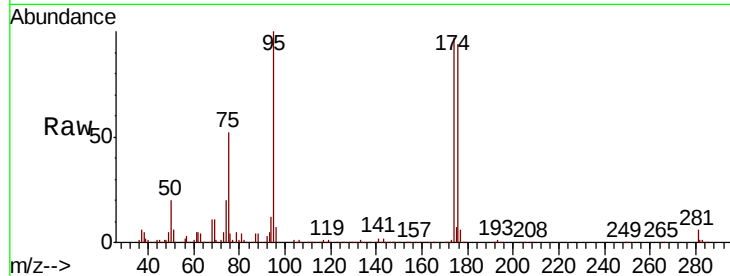
Tot Ion: 75 Resp: 195539

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

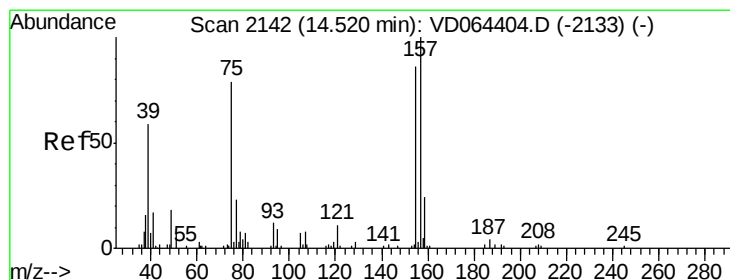
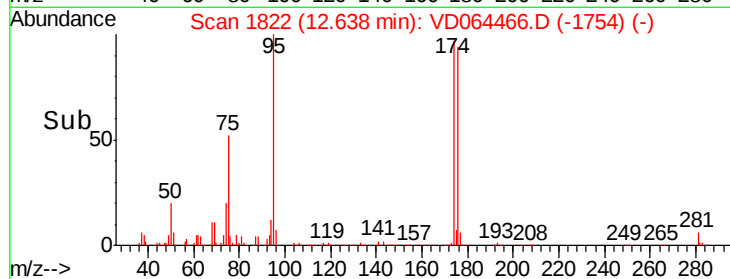
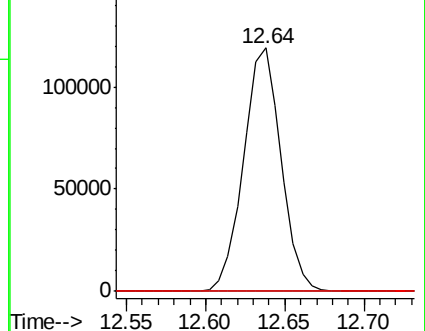
89 0.0 38.5 57.7#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.50 min Scan# 2139

Delta R.T. -0.02 min

Lab File: VD064466.D

Acq: 06 Dec 2019 18:49

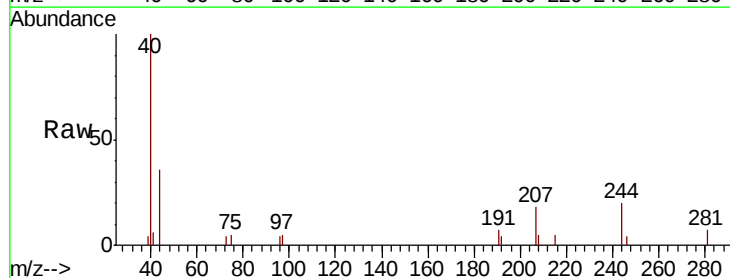
Tgt Ion: 75 Resp: 77

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

