

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064461.D
 Acq On : 06 Dec 2019 16:25
 Operator : VA/SY
 Sample : K6194-01
 Misc : 6.53G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 22:37:29 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

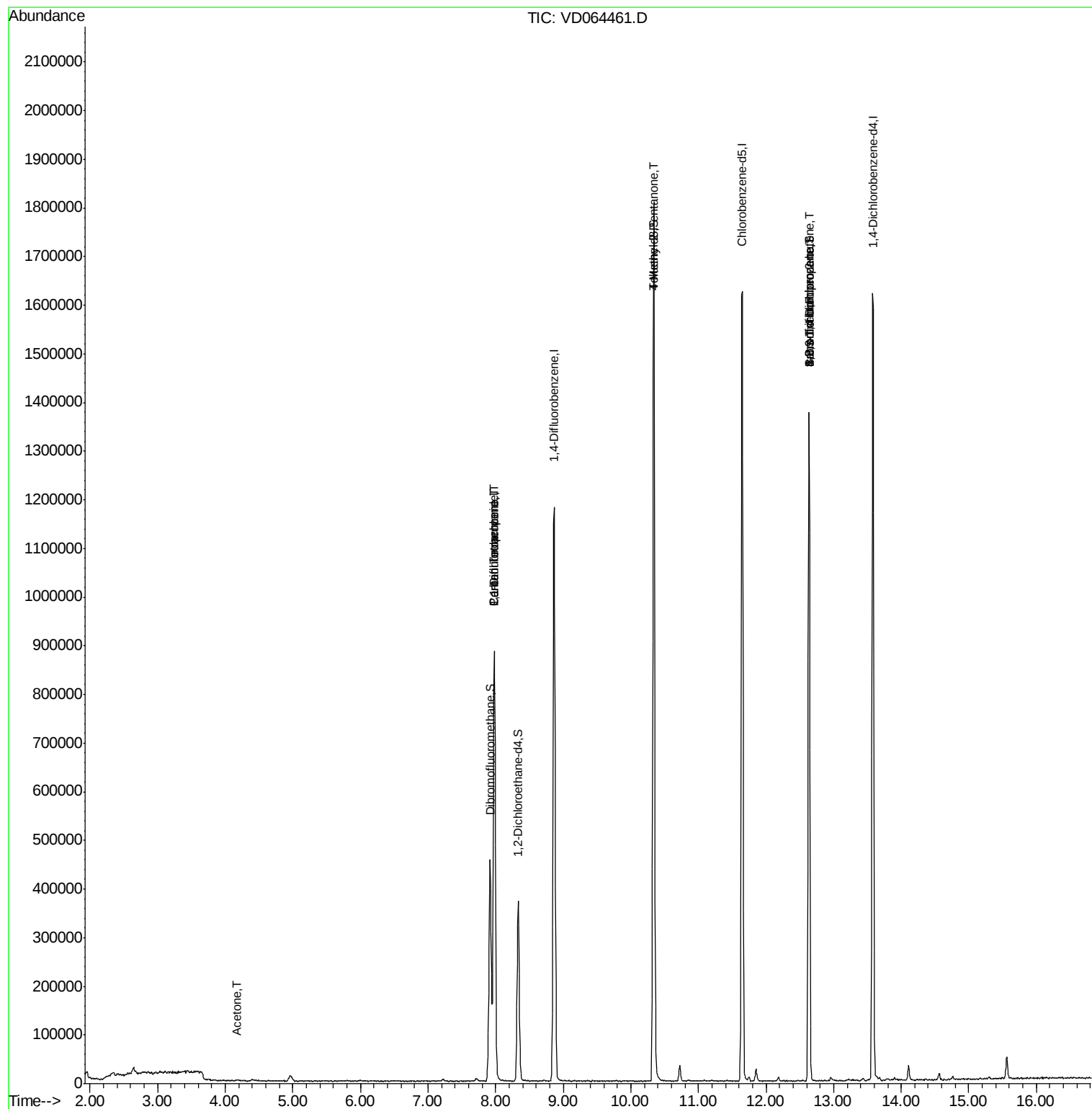
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	713783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1049943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	970664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	448867	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	293665	45.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.90%	
35) Dibromofluoromethane	7.92	113	313047	47.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.64%	
50) Toluene-d8	10.34	98	1239965	49.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.64	95	413845	51.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.36%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	3820	2.926	ug/l #	77
20) Methylene Chloride	4.96	84	8123	Below Cal	#	88
31) Cyclohexane	7.98	56	13661	Below Cal	#	23
36) 1,1-Dichloropropene	7.98	75	48035	4.837	ug/l #	50
38) Carbon Tetrachloride	7.98	117	64016	6.108	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	6360	1.551	ug/l #	1
71) Bromoform	12.64	173	5044	1.125	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	210282	56.966	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	210282	124.216	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.56	75	234	Below Cal	#	1

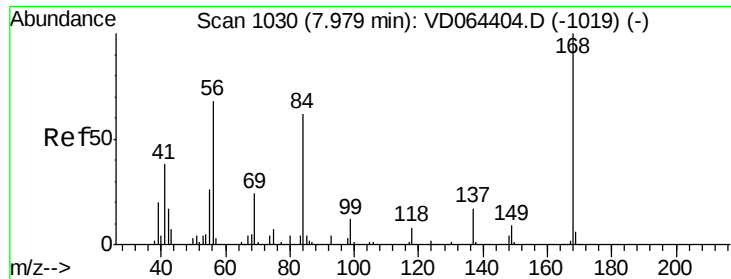
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120619\
Data File : VD064461.D
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Operator : VA/SY
Sample : K6194-01
Misc : 6.53G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 06 22:37:29 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# 1030

Delta R.T. 0.00 min

Lab File: VD064461.D

Acq: 06 Dec 2019 16:25

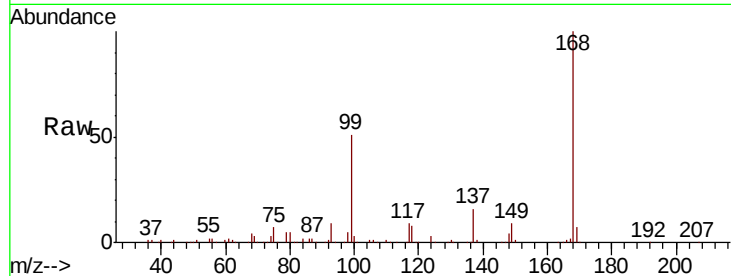
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 713783

Ion Ratio Lower Upper

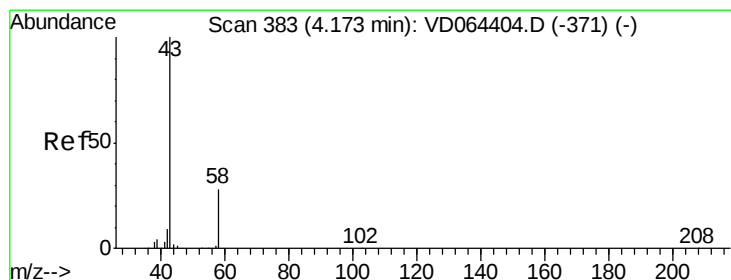
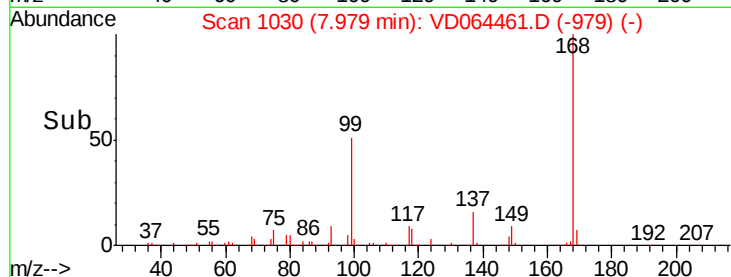
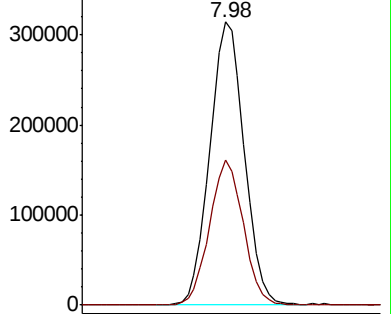
168 100

99 51.3 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: 2.926 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064461.D

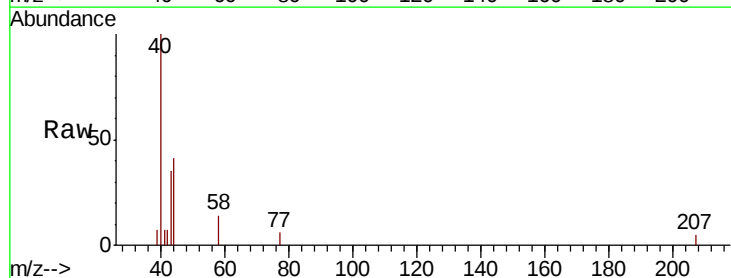
Acq: 06 Dec 2019 16:25

Tgt Ion: 43 Resp: 3820

Ion Ratio Lower Upper

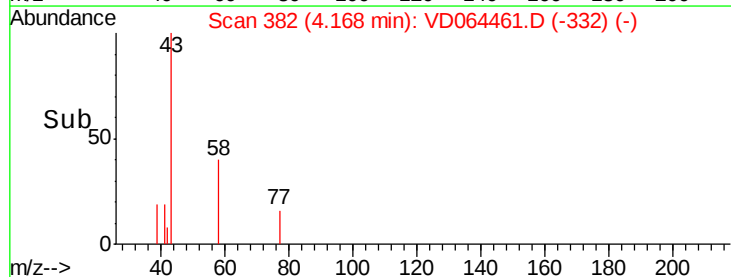
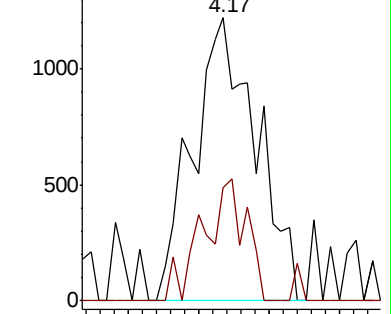
43 100

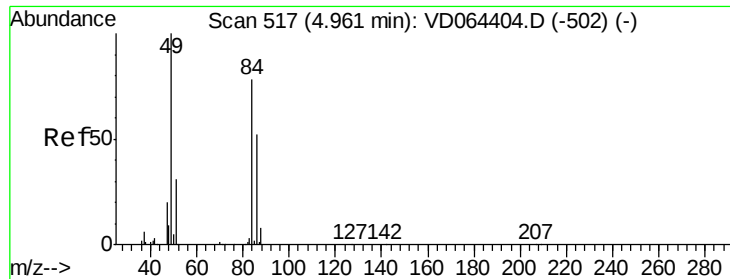
58 40.2 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

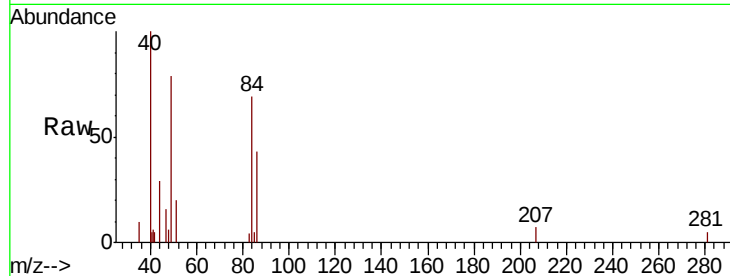




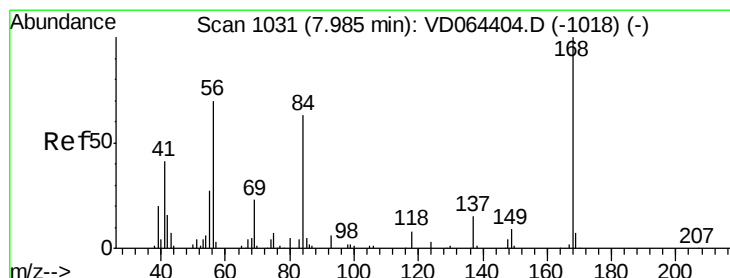
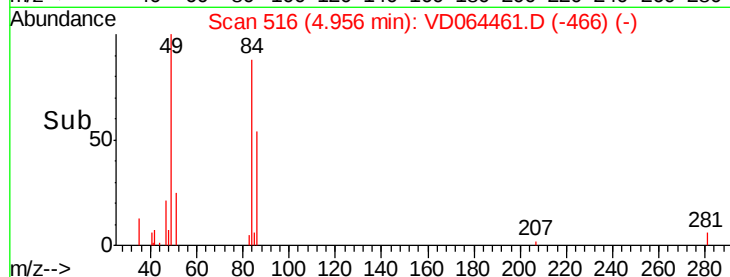
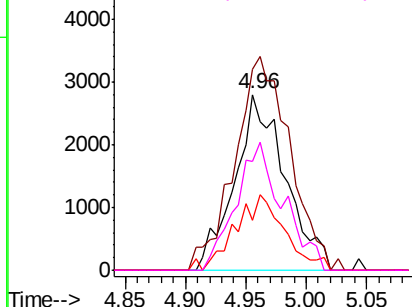
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064461.D
Acq: 06 Dec 2019 16:25

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 84 Resp: 8123
Ion Ratio Lower Upper
84 100
49 114.0 102.6 153.8
51 28.8 32.0 48.0#
86 61.9 53.4 80.0

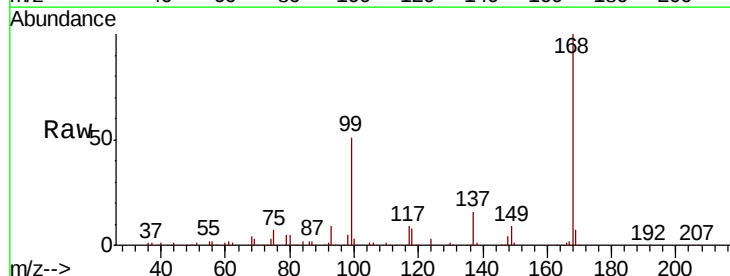


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

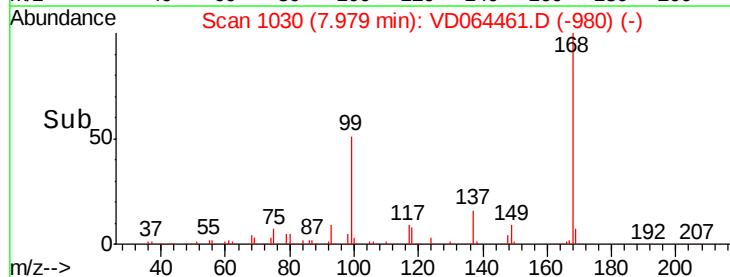
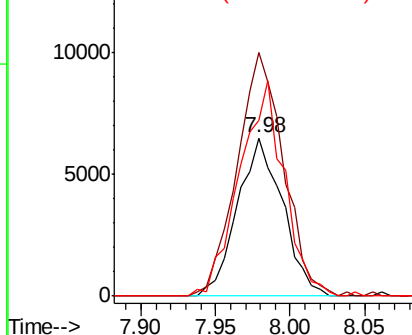


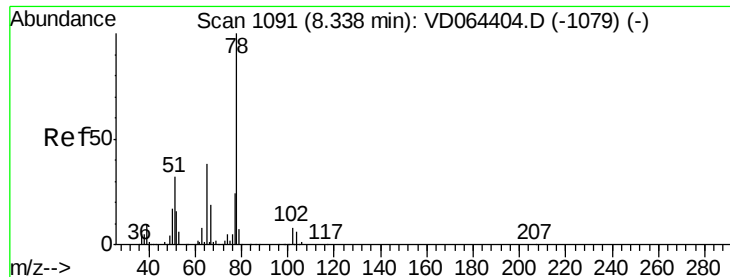
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064461.D
Acq: 06 Dec 2019 16:25

Tgt Ion: 56 Resp: 13661
Ion Ratio Lower Upper
56 100
69 154.0 26.2 39.4#
84 111.3 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

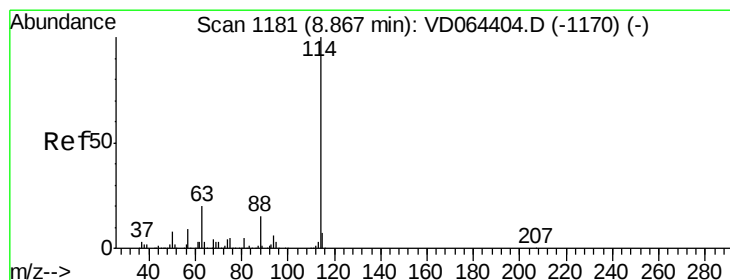
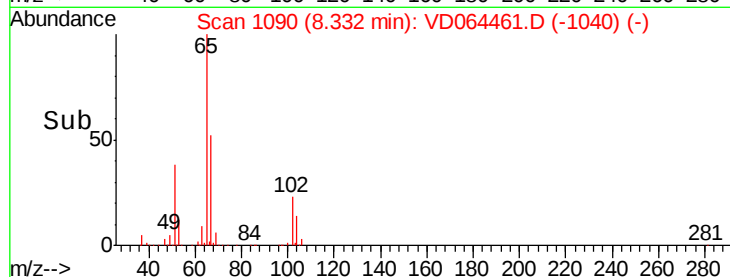
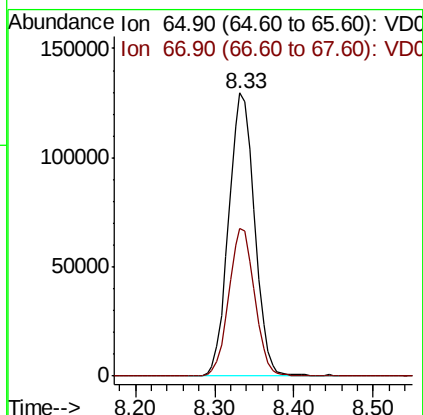
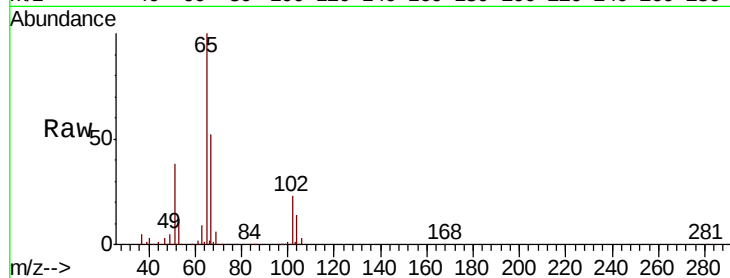




#33
 1,2-Dichloroethane-d4
 Concen: 45.453 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064461.D
 Acq: 06 Dec 2019 16:25

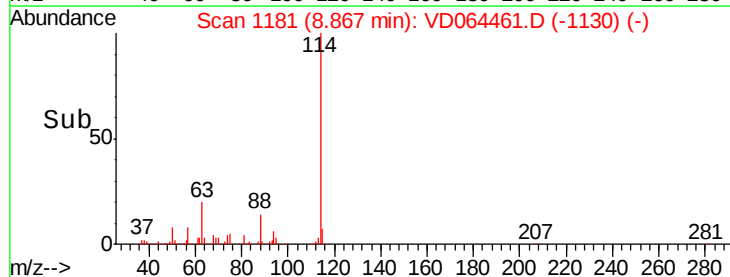
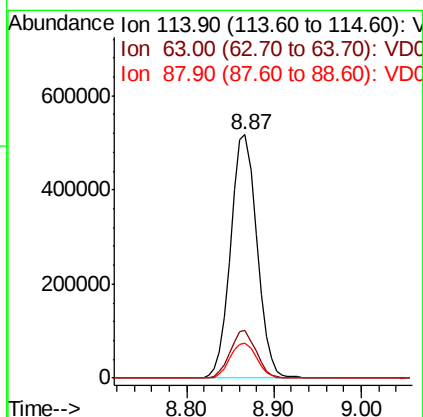
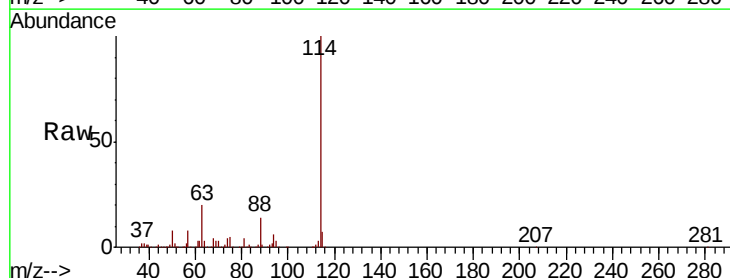
Instrument :
 MSVOA_D
 ClientSampleId :

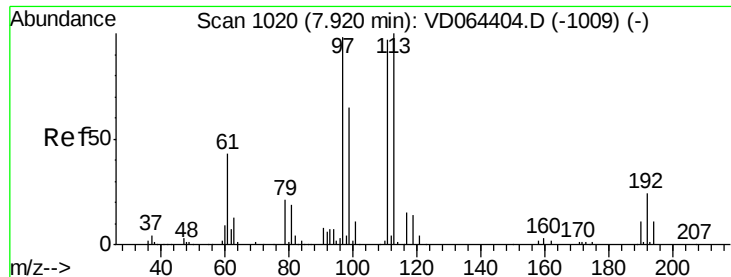
Tot Ion: 65 Resp: 293665
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064461.D
 Acq: 06 Dec 2019 16:25

Tgt Ion: 114 Resp: 1049943
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 14.3 0.0 29.2





#35

Dibromofluoromethane

Concen: 47.323 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064461.D

Acq: 06 Dec 2019 16:25

Instrument :
MSVOA_D
ClientSampled :

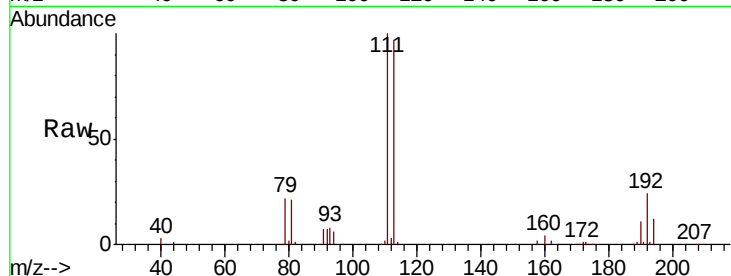
Tot Ion:113 Resp: 313047

Ion	Ratio	Lower	Upper
113	100		
111	103.0	79.4	119.2
192	23.0	18.6	28.0

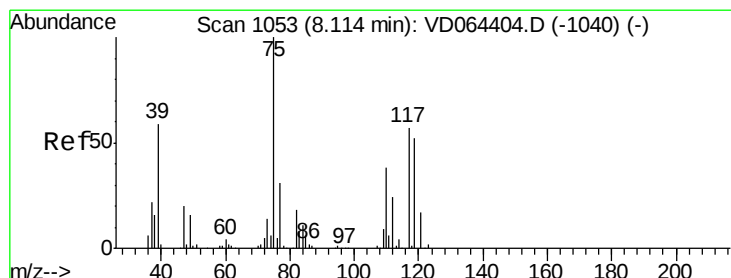
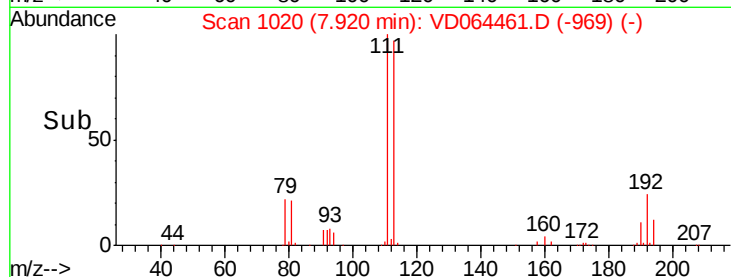
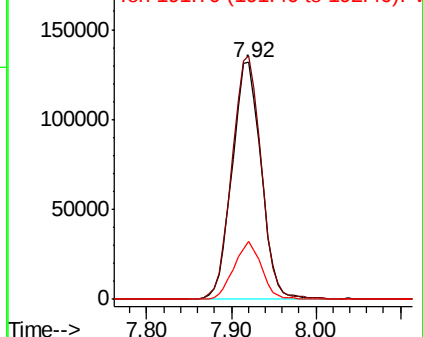
113 100

111 103.0 79.4 119.2

192 23.0 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: 4.837 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064461.D

Acq: 06 Dec 2019 16:25

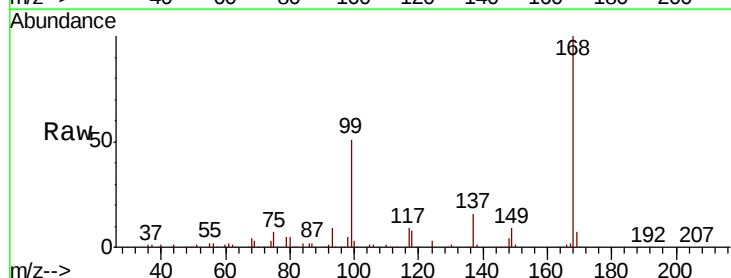
Tgt Ion: 75 Resp: 48035

Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.6	55.8#
77	0.1	25.0	37.4#

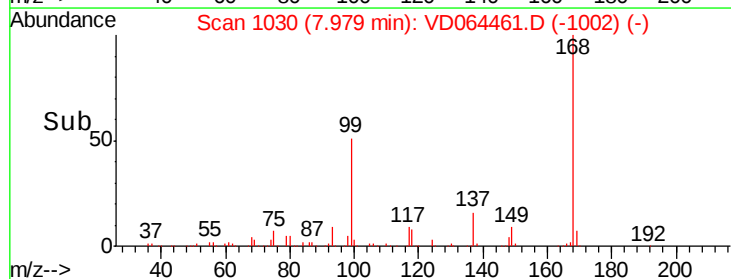
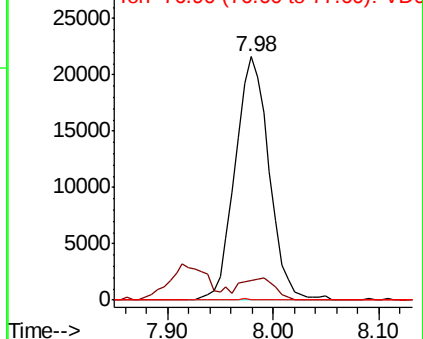
75 100

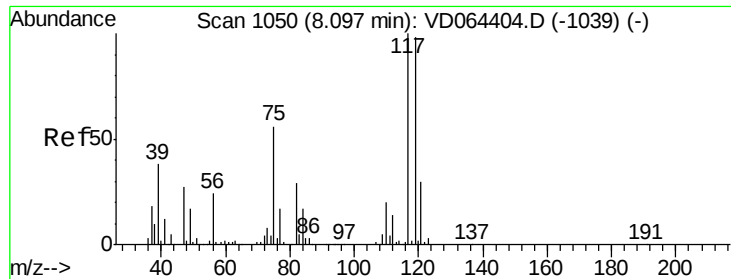
110 10.4 18.6 55.8#

77 0.1 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: 6.108 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064461.D

Acq: 06 Dec 2019 16:25

Instrument :

MSVOA_D

ClientSampled :

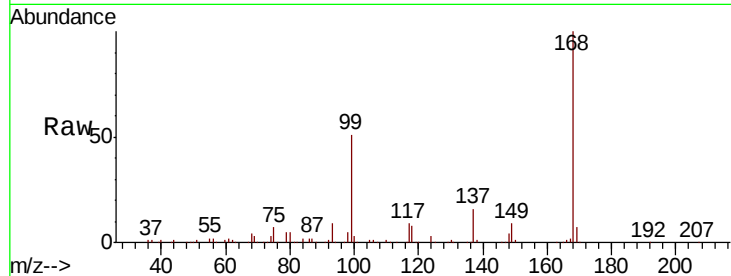
Tot Ion:117 Resp: 64016

Ion Ratio Lower Upper

117 100

119 5.5 78.8 118.2#

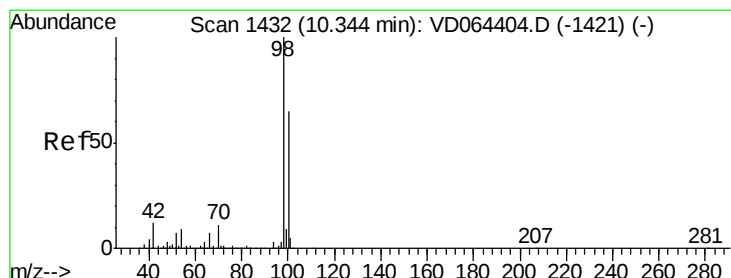
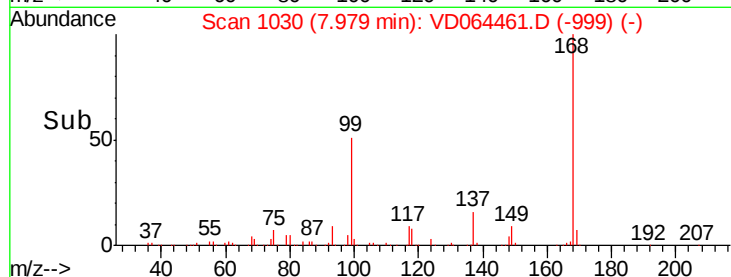
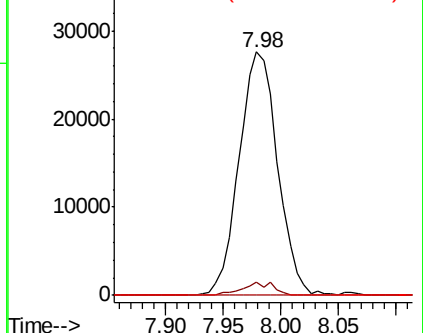
121 0.0 24.2 36.2#



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: 49.761 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064461.D

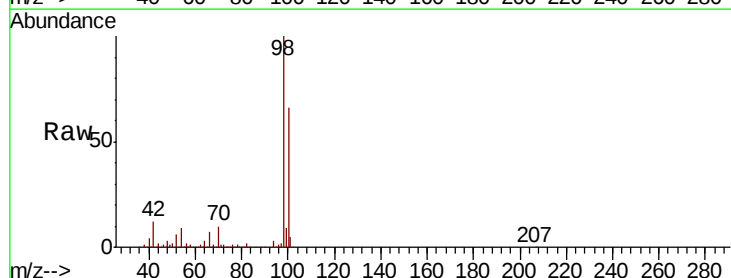
Acq: 06 Dec 2019 16:25

Tgt Ion: 98 Resp: 1239965

Ion Ratio Lower Upper

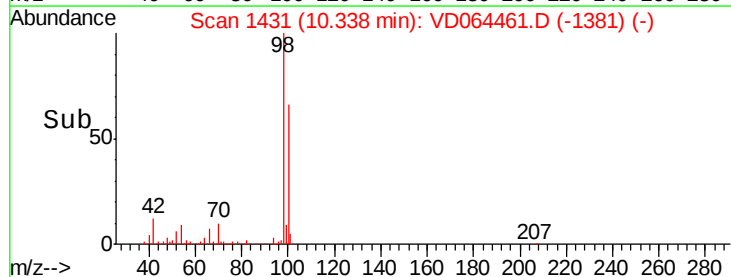
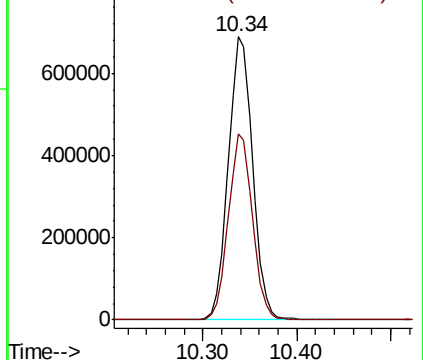
98 100

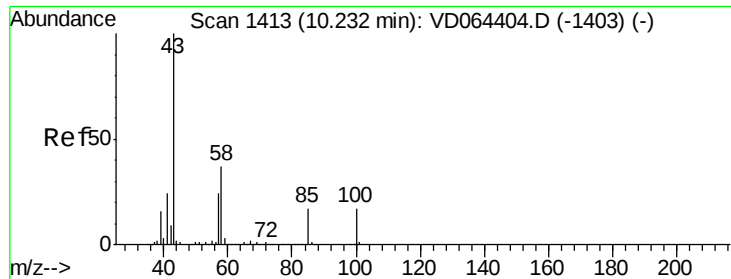
100 65.1 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.551 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD064461.D

Acq: 06 Dec 2019 16:25

Instrument :

MSVOA_D

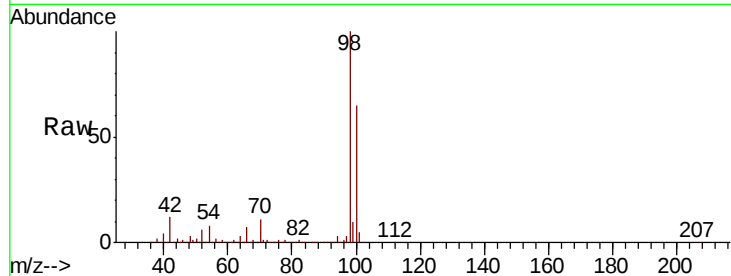
ClientSampleId :

Tot Ion: 43 Resp: 6360

Ion Ratio Lower Upper

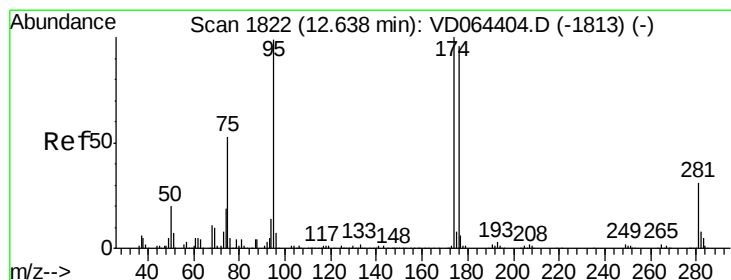
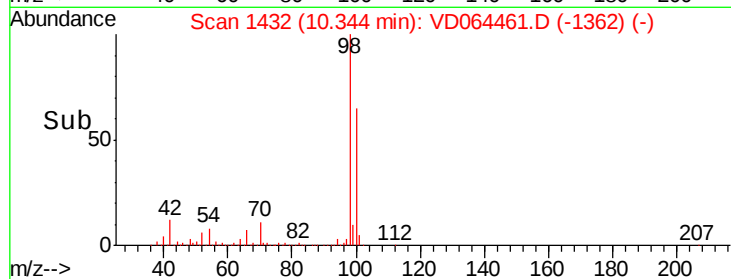
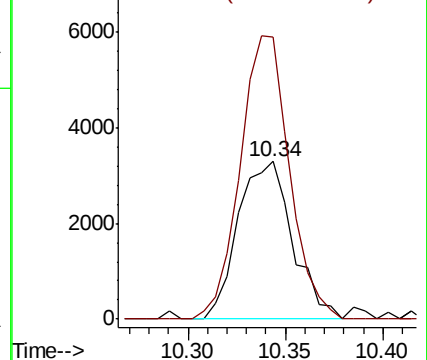
43 100

58 163.1 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: 51.678 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064461.D

Acq: 06 Dec 2019 16:25

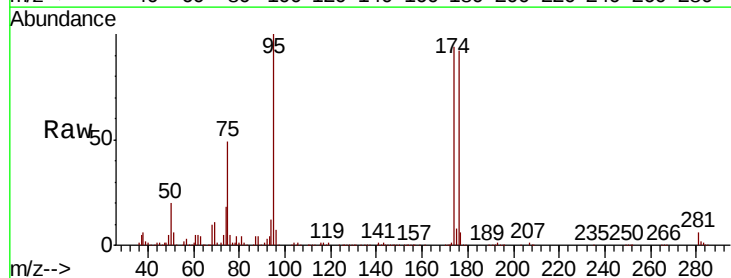
Tgt Ion: 95 Resp: 413845

Ion Ratio Lower Upper

95 100

174 94.2 0.0 197.2

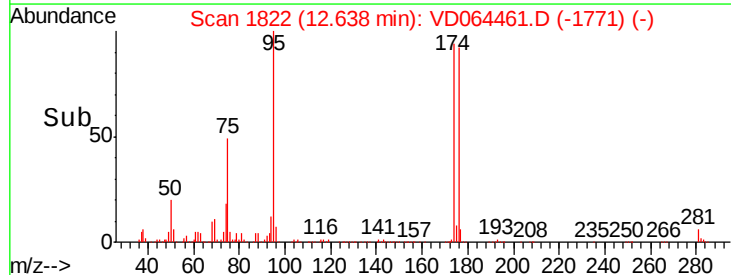
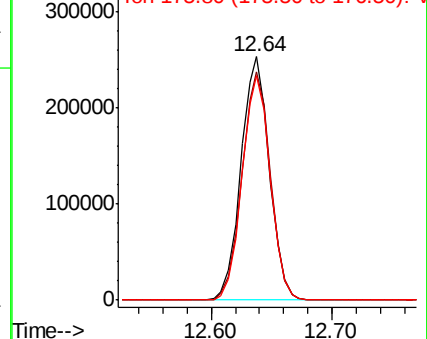
176 91.6 0.0 189.6

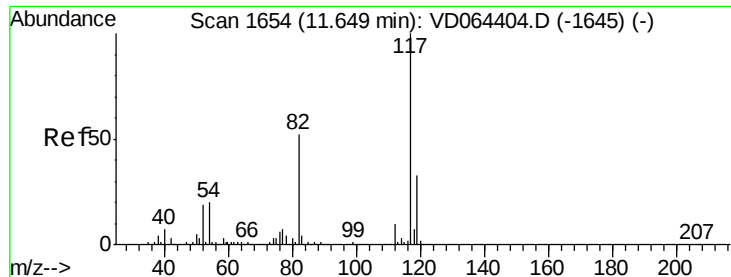


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

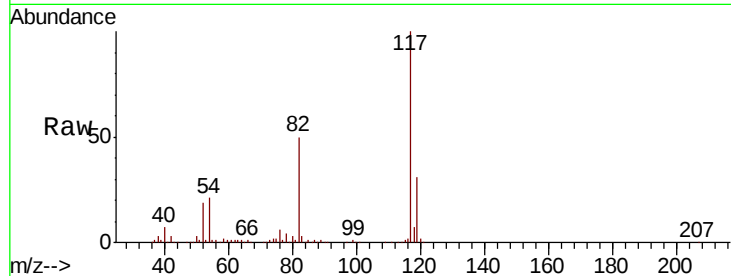




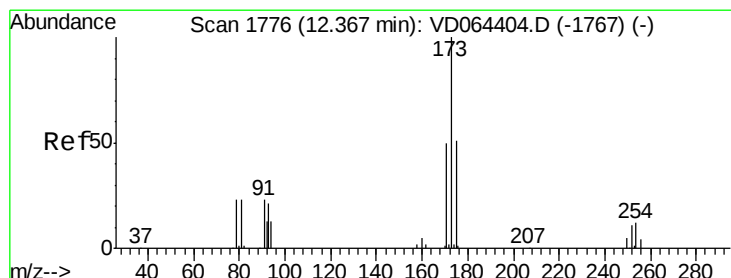
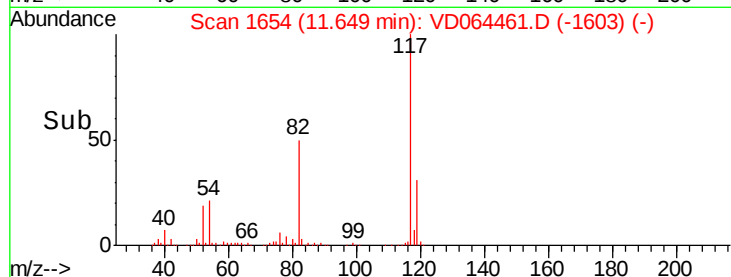
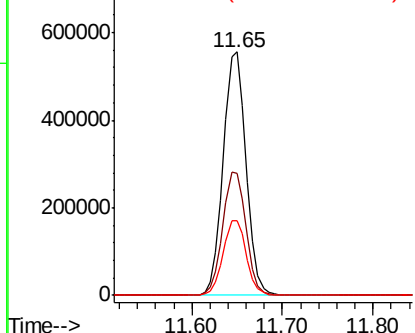
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064461.D
Acq: 06 Dec 2019 16:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 970664
Ion Ratio Lower Upper
117 100
82 50.1 41.4 62.2
119 30.9 26.2 39.2

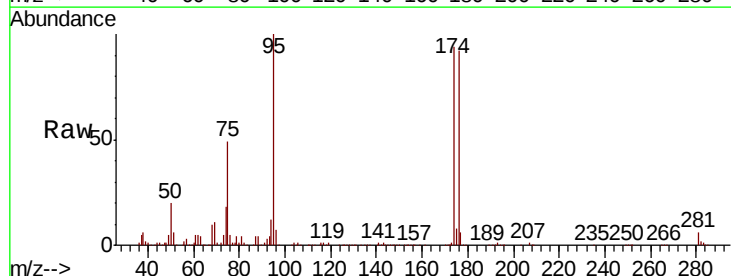


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

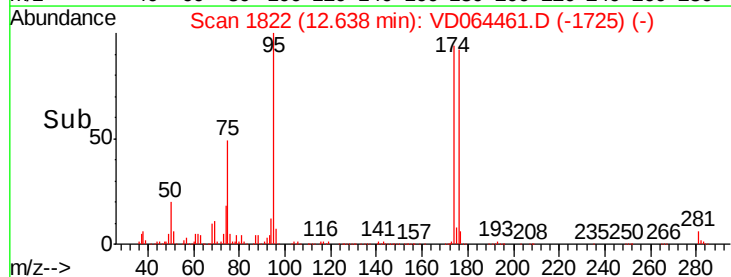
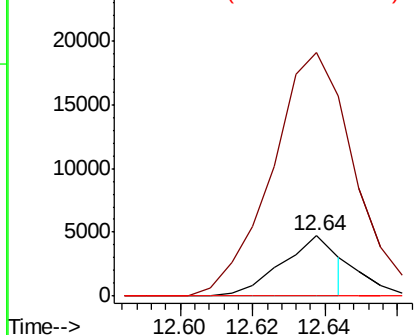


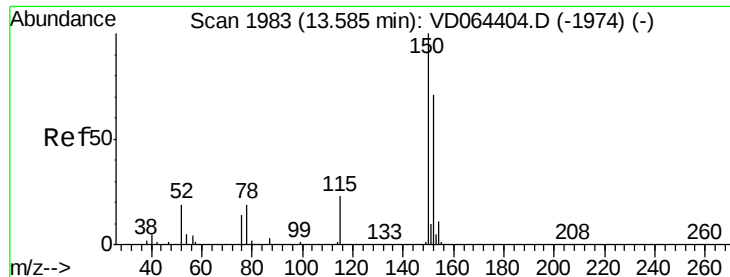
#71
Bromoform
Concen: 1.125 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD064461.D
Acq: 06 Dec 2019 16:25

Tgt Ion:173 Resp: 5044
Ion Ratio Lower Upper
173 100
175 496.2 25.3 75.8#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



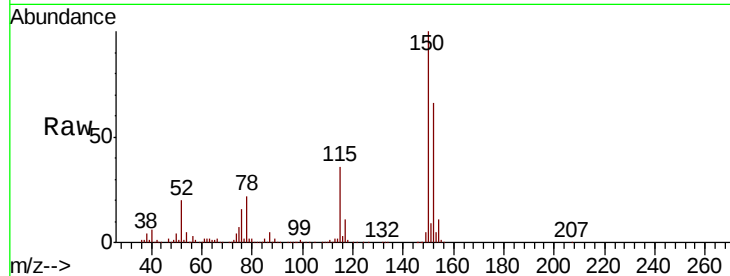


#72

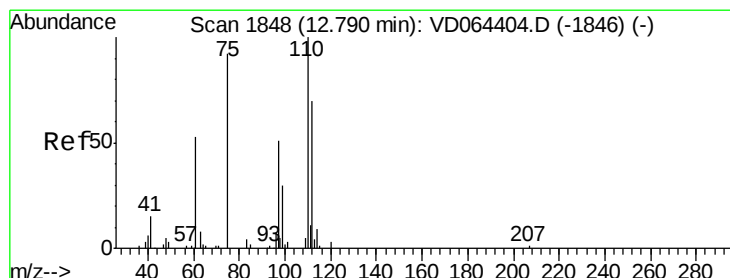
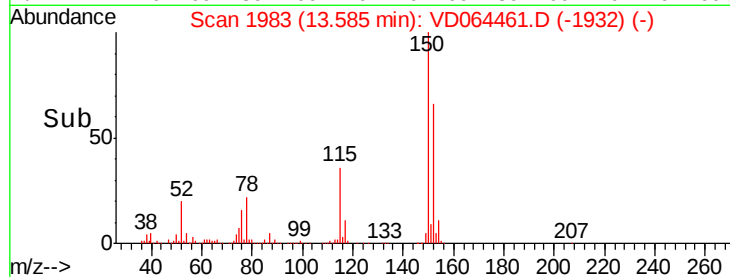
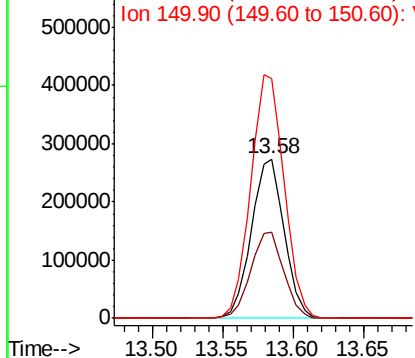
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064461.D
Acq: 06 Dec 2019 16:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 448867
Ion Ratio Lower Upper
152 100
115 54.3 26.7 80.1
150 155.7 0.0 347.2



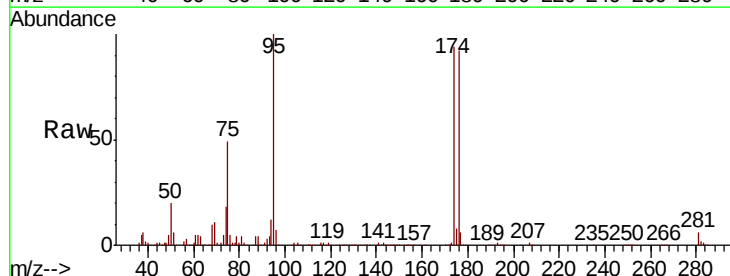
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



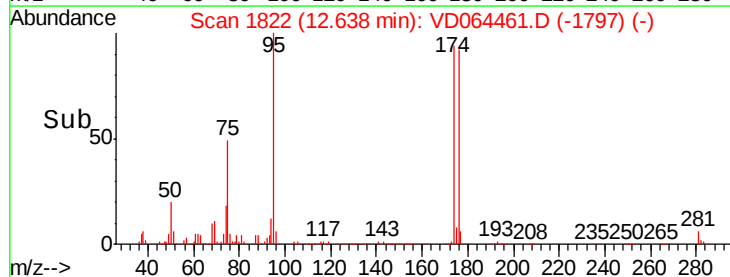
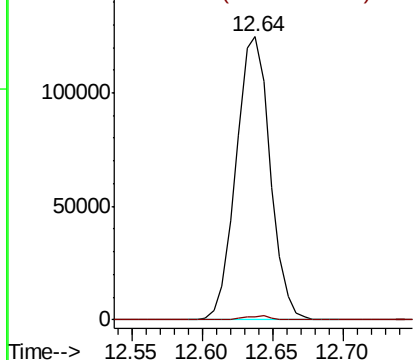
#76

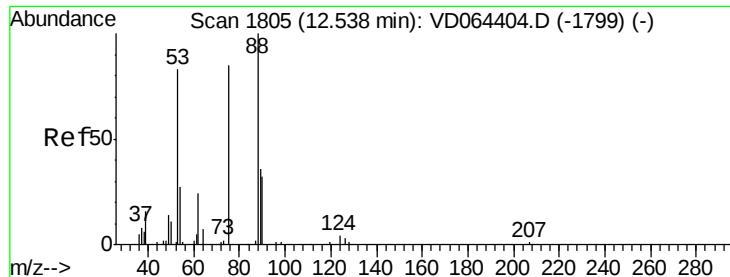
1,2,3-Trichloropropane
Concen: 56.966 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064461.D
Acq: 06 Dec 2019 16:25

Tgt Ion: 75 Resp: 210282
Ion Ratio Lower Upper
75 100
77 1.4 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: 124.216 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064461.D

Acq: 06 Dec 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

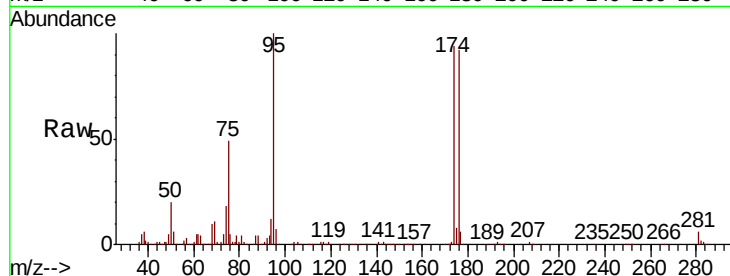
Tot Ion: 75 Resp: 210282

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

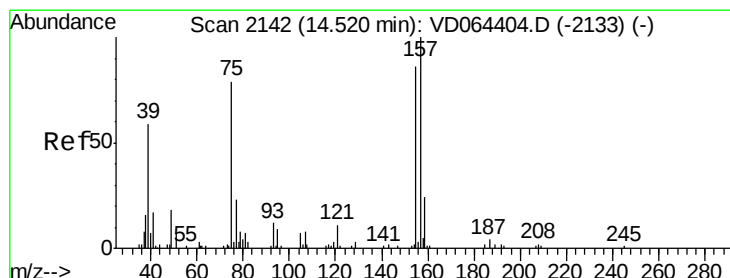
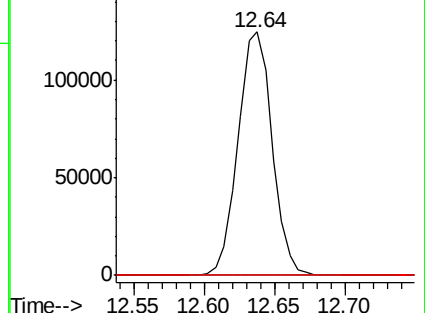
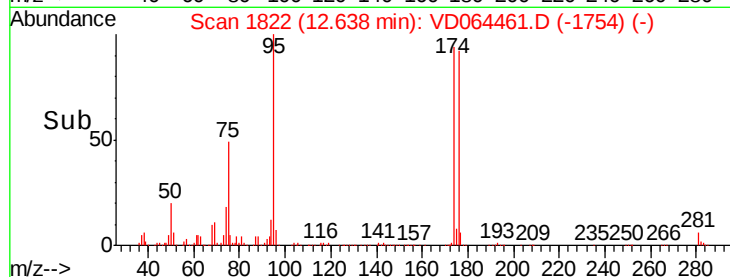
89 0.1 38.5 57.7#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.56 min Scan# 2148

Delta R.T. 0.04 min

Lab File: VD064461.D

Acq: 06 Dec 2019 16:25

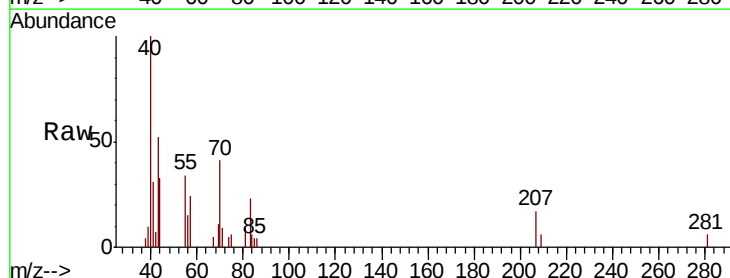
Tgt Ion: 75 Resp: 234

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

