

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064650.D
 Acq On : 27 Dec 2019 17:45
 Operator : VA/SY
 Sample : K6113-11
 Misc : 6.89G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-122619

Quant Time: Dec 30 01:00:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	535168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	799783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	697333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321061	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	239038	50.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.30%	
35) Dibromofluoromethane	7.92	113	244454	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.64%	
50) Toluene-d8	10.34	98	943067	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.64	95	281956	47.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.90%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	1342	5.380	ug/l #	42
20) Methylene Chloride	4.96	84	21152	Below Cal	#	93
30) Chloroform	7.72	83	13846	1.501	ug/l #	82
31) Cyclohexane	7.98	56	12465	1.417	ug/l #	1
38) Carbon Tetrachloride	7.99	117	51100	6.225	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	150343	59.300	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	150343	124.024	ug/l #	10
95) Naphthalene	15.41	128	236374	22.143	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064650.D

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Instrument :

MSVOA_D

ClientSampleId :

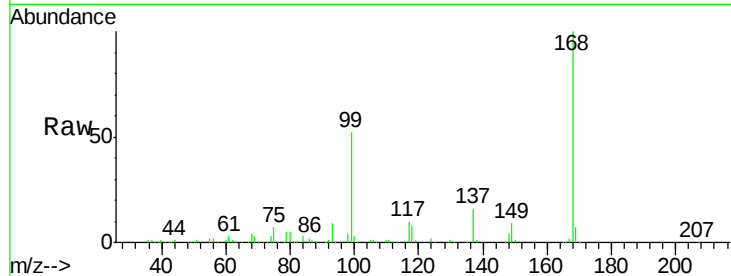
OR-03-122619

Tgt Ion:168 Resp: 535168

Ion Ratio Lower Upper

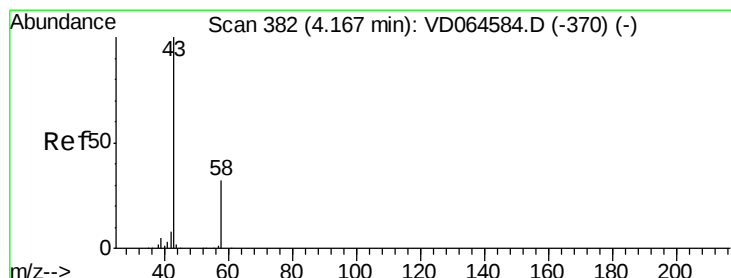
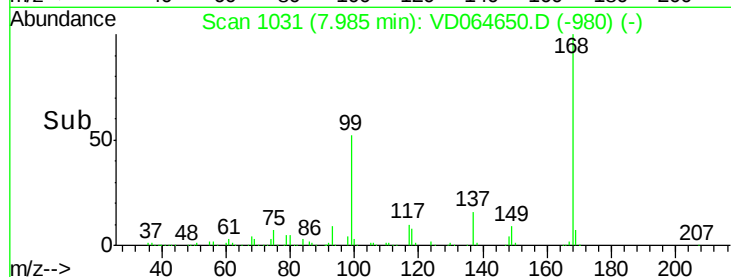
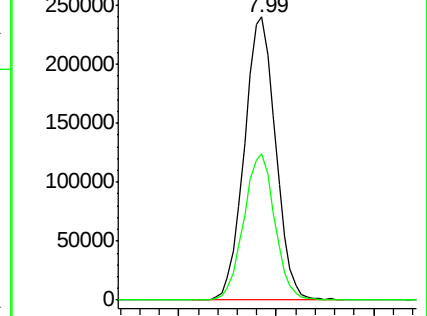
168 100

99 51.8 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 5.380 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064650.D

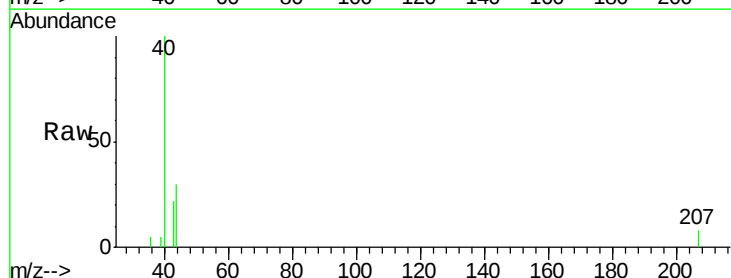
Acq: 27 Dec 2019 17:45

Tgt Ion: 43 Resp: 1342

Ion Ratio Lower Upper

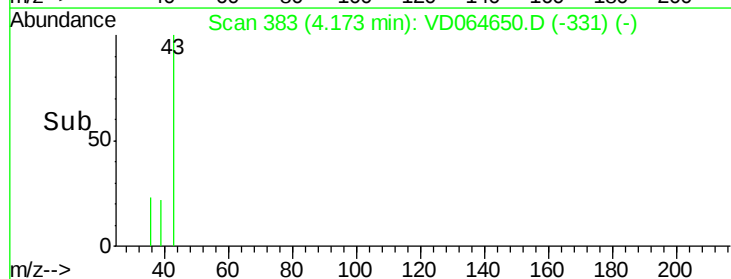
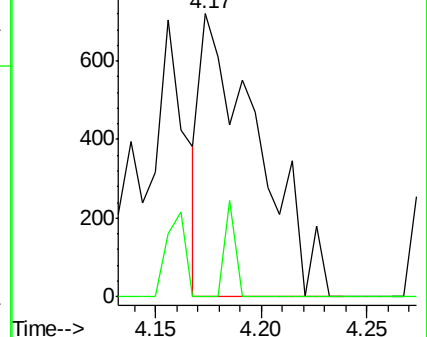
43 100

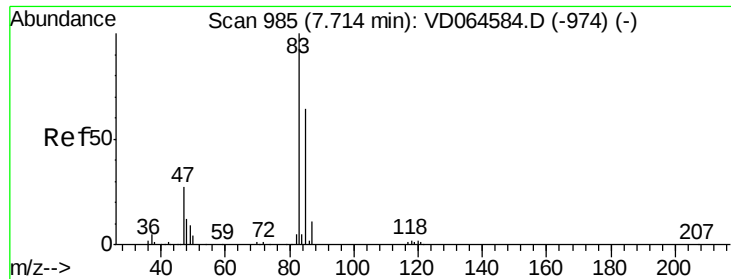
58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

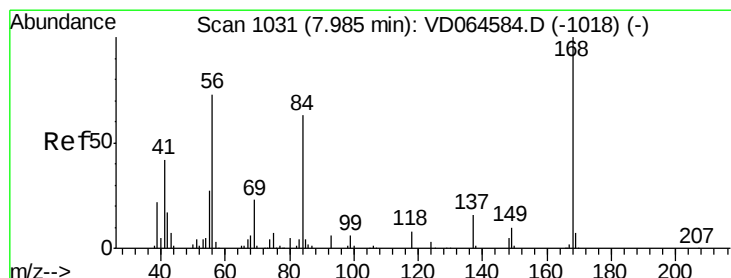
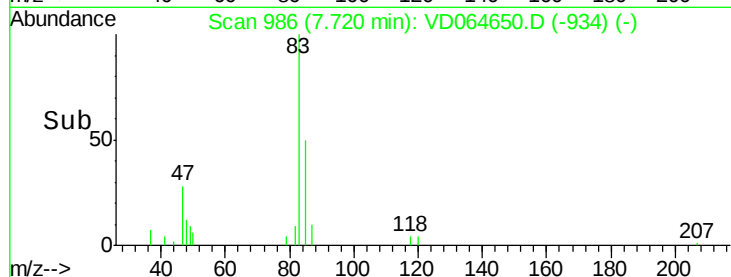
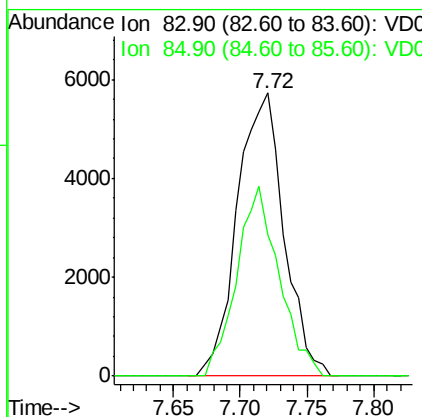
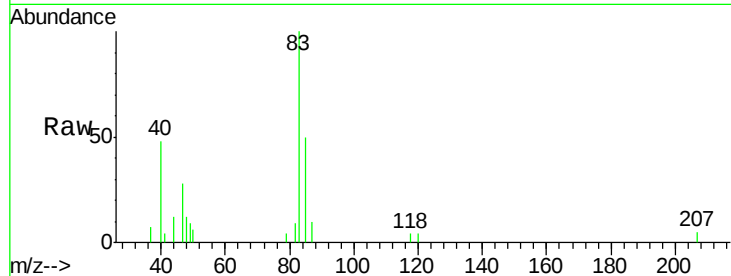




#30
Chloroform
Concen: 1.501 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064650.D
Acq: 27 Dec 2019 17:45

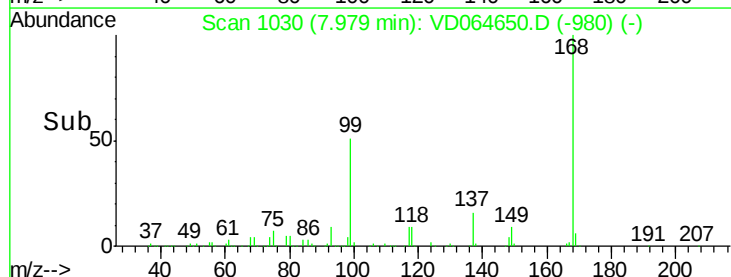
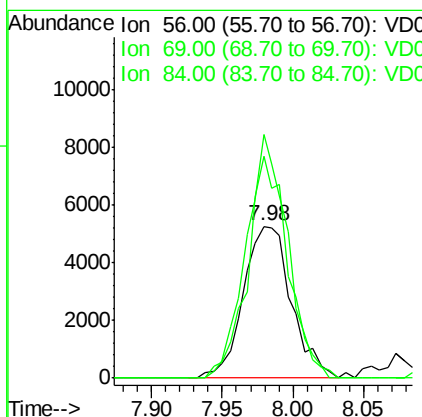
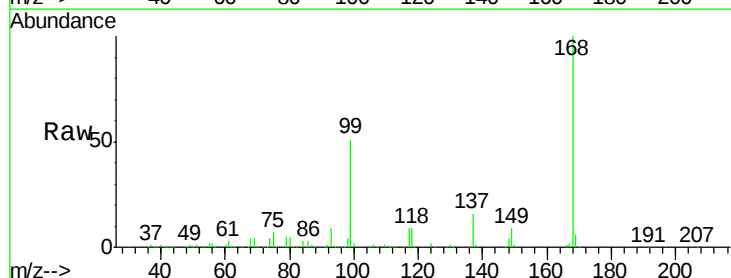
Instrument :
MSVOA_D
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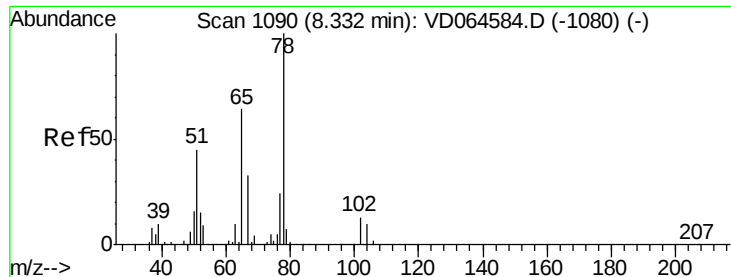
Tgt Ion: 83 Resp: 13846
Ion Ratio Lower Upper
83 100
85 50.1 51.1 76.7#



#31
Cyclohexane
Concen: 1.417 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064650.D
Acq: 27 Dec 2019 17:45

Tgt Ion: 56 Resp: 12465
Ion Ratio Lower Upper
56 100
69 160.7 24.7 37.1#
84 146.0 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 50.654 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064650.D

Acq: 27 Dec 2019 17:45

Instrument :

MSVOA_D

ClientSampleId :

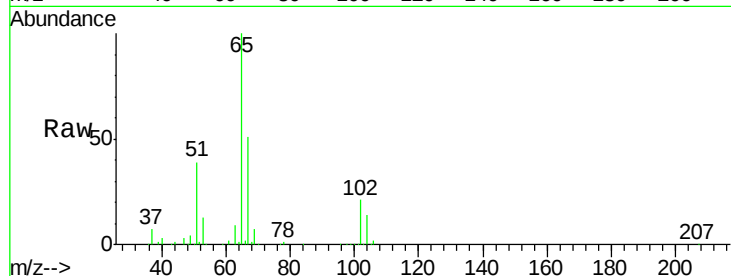
OR-03-122619

Tgt Ion: 65 Resp: 239038

Ion Ratio Lower Upper

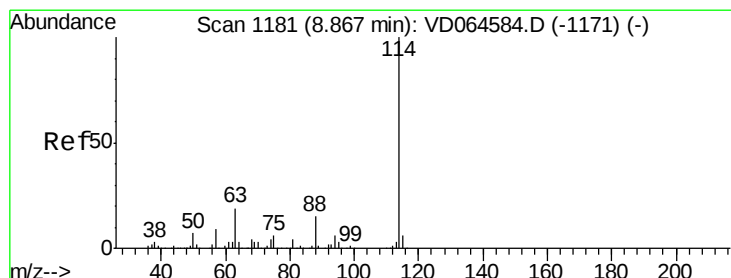
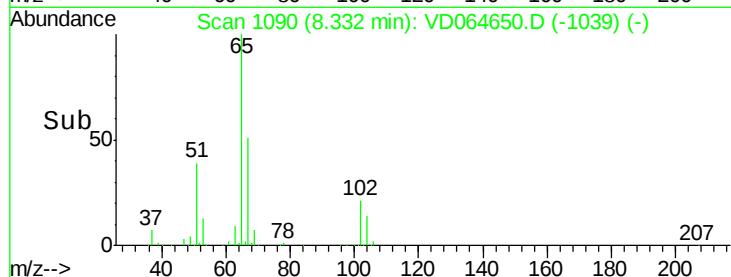
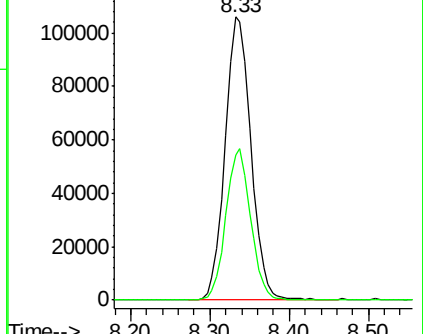
65 100

67 51.0 0.0 106.2



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: VD064650.D

Acq: 27 Dec 2019 17:45

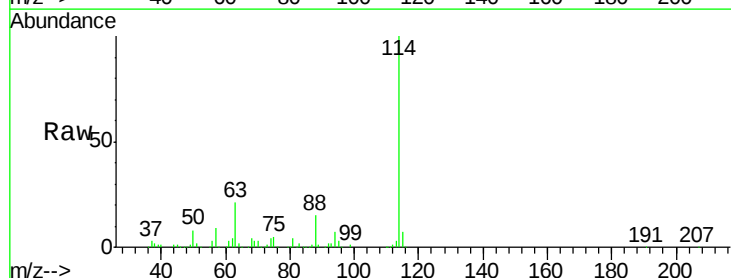
Tgt Ion: 114 Resp: 799783

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.0

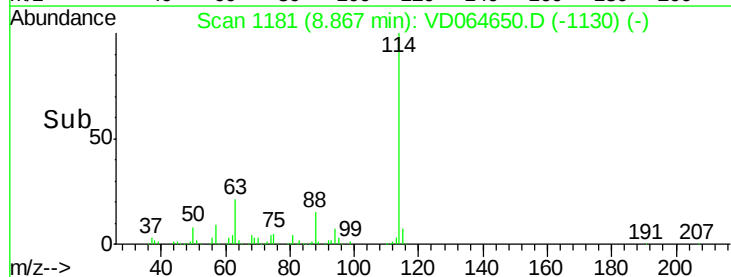
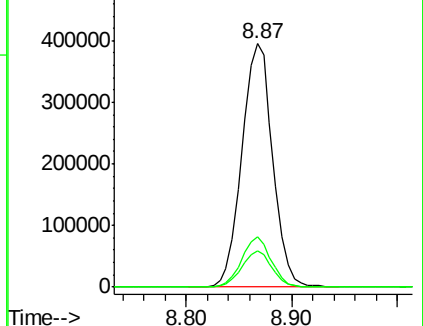
88 14.9 0.0 29.2



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

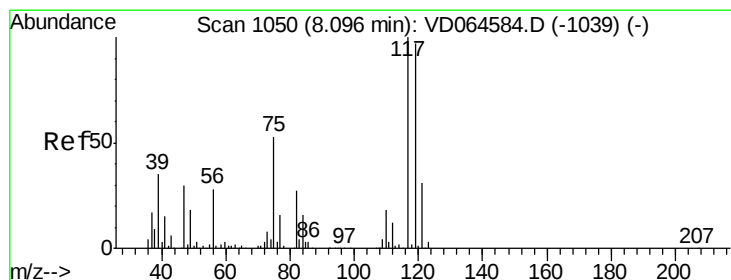
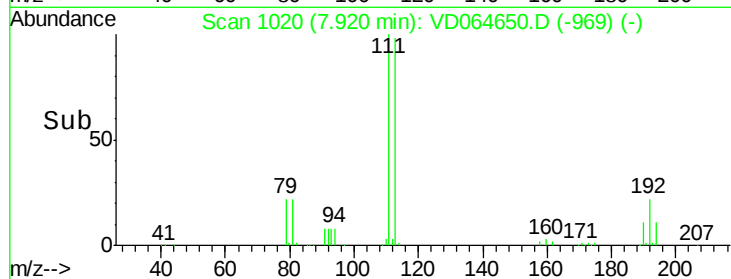
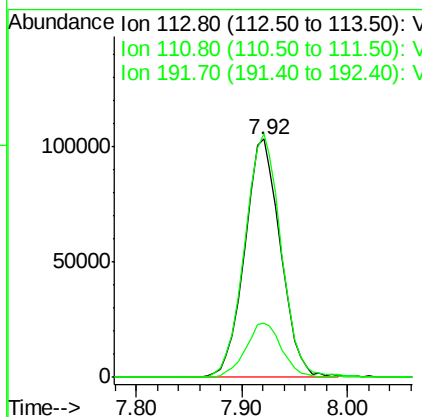
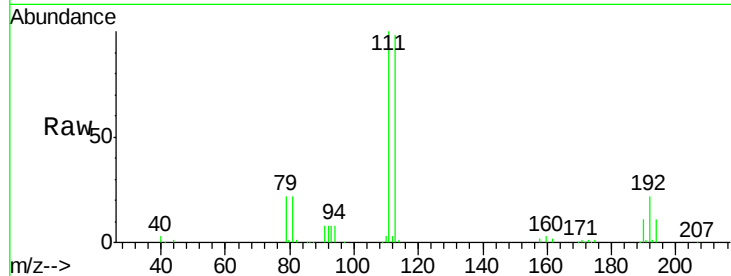




#35
Dibromofluoromethane
Concen: 49.819 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064650.D
Acq: 27 Dec 2019 17:45

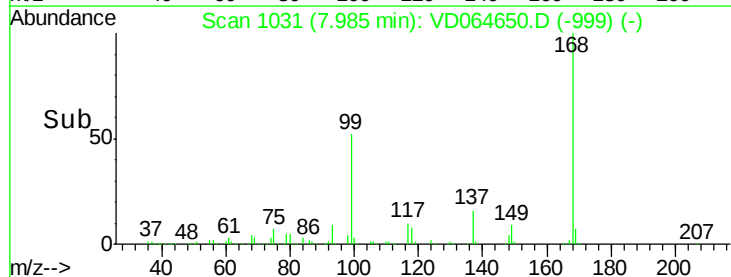
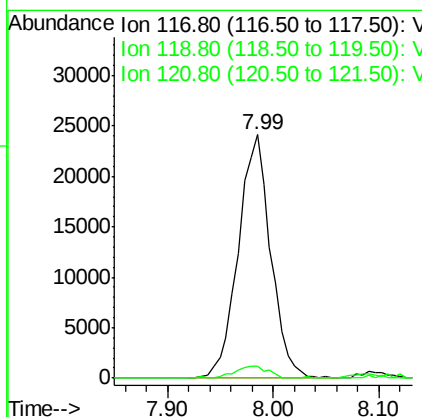
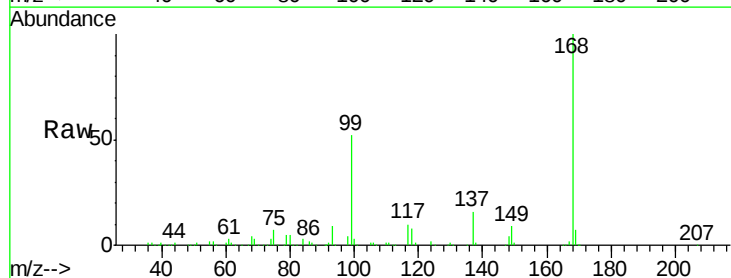
Instrument :
MSVOA_D
ClientSampleId :
OR-03-122619

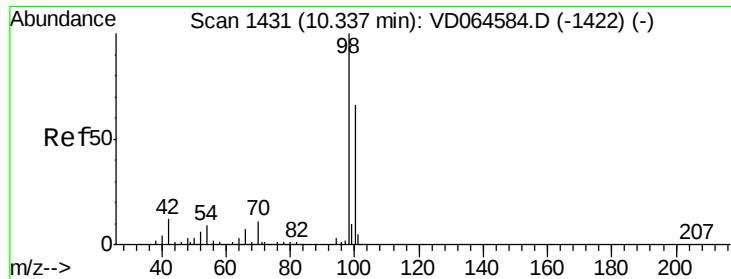
Tgt Ion:113 Resp: 244454
Ion Ratio Lower Upper
113 100
111 103.7 80.6 121.0
192 23.0 17.9 26.9



#38
Carbon Tetrachloride
Concen: 6.225 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064650.D
Acq: 27 Dec 2019 17:45

Tgt Ion:117 Resp: 51100
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 25.0 37.6#

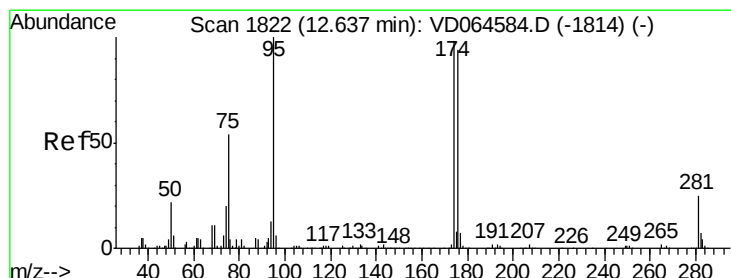
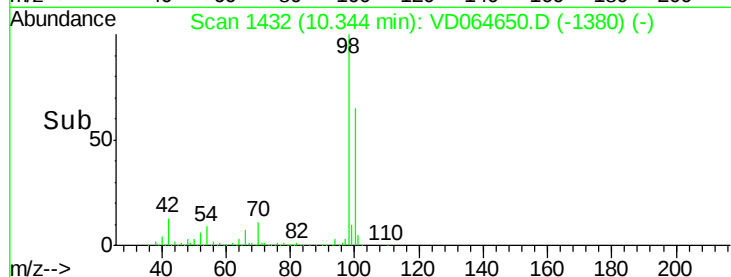
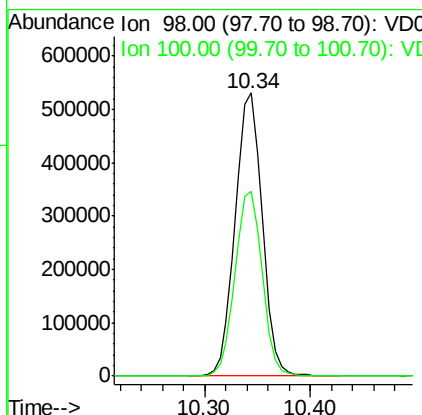
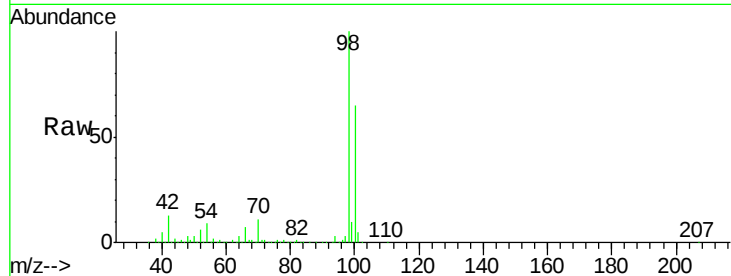




#50
Toluene-d8
Concen: 50.183 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064650.D
Acq: 27 Dec 2019 17:45

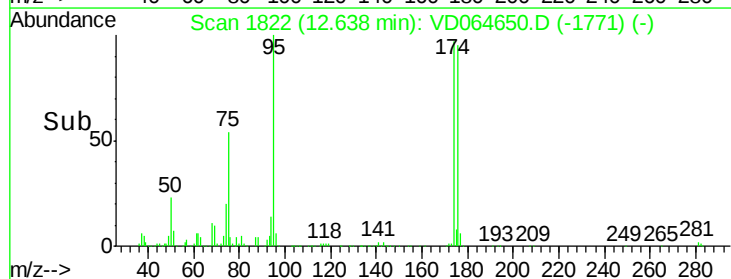
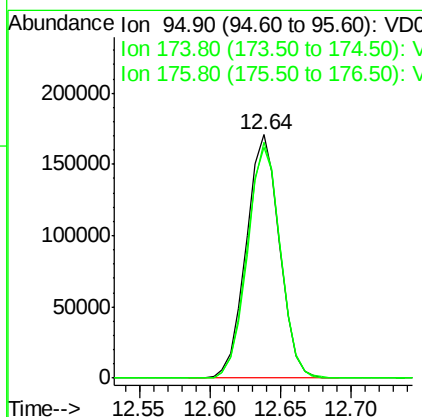
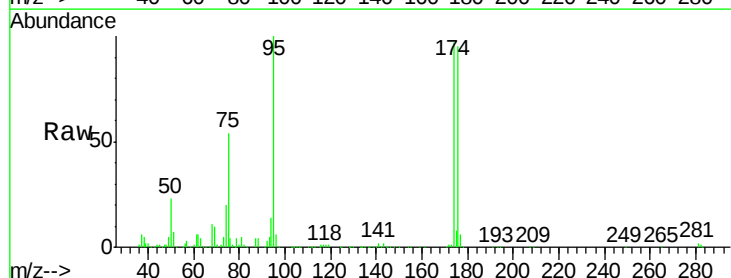
Instrument :
MSVOA_D
ClientSampleId :
OR-03-122619

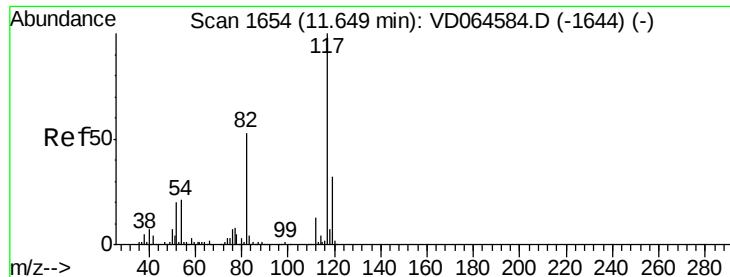
Tgt Ion: 98 Resp: 943067
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.448 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064650.D
Acq: 27 Dec 2019 17:45

Tgt Ion: 95 Resp: 281956
Ion Ratio Lower Upper
95 100
174 96.1 0.0 193.2
176 94.8 0.0 184.2

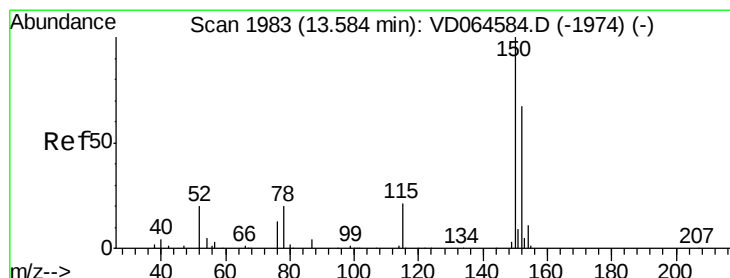
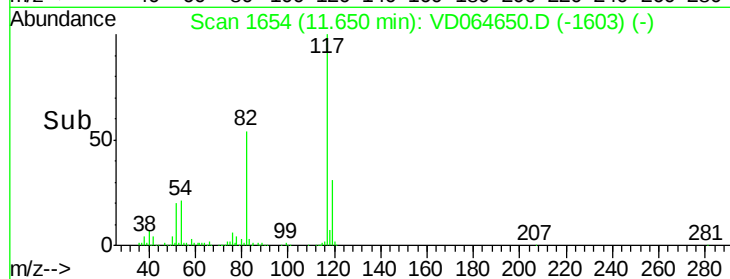
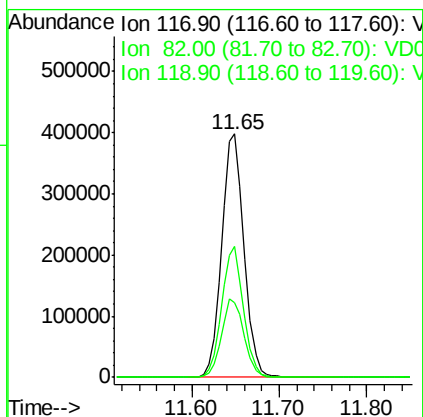
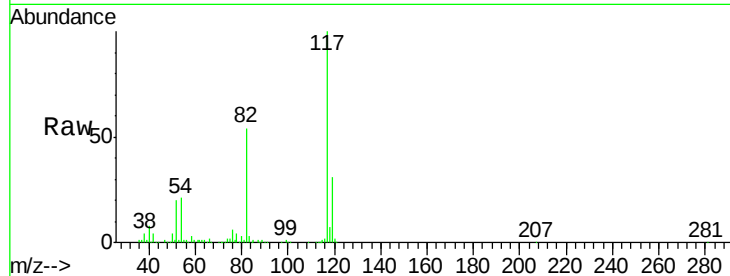




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064650.D
Acq: 27 Dec 2019 17:45

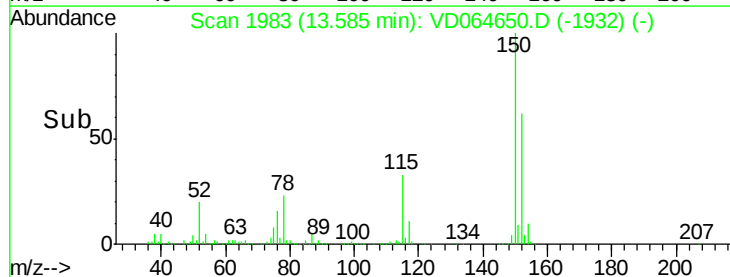
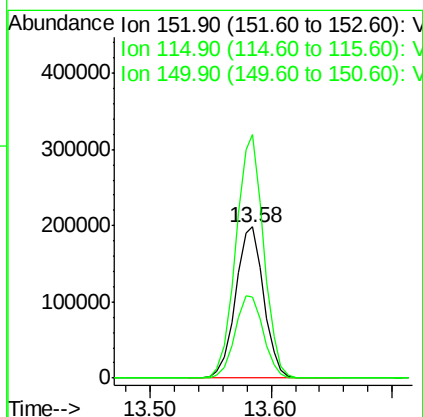
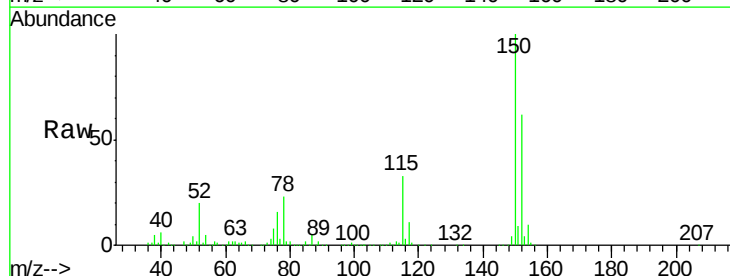
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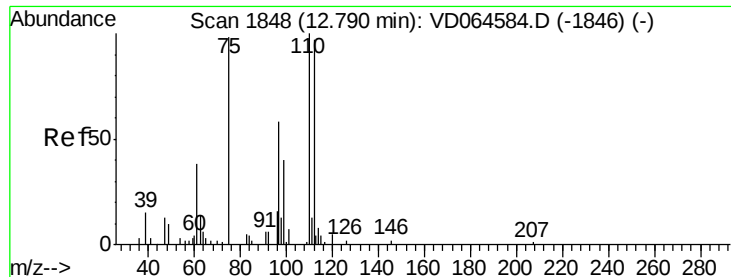
Tgt Ion:117 Resp: 697333
Ion Ratio Lower Upper
117 100
82 53.9 42.2 63.4
119 30.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064650.D
Acq: 27 Dec 2019 17:45

Tgt Ion:152 Resp: 321061
Ion Ratio Lower Upper
152 100
115 55.1 27.8 83.4
150 158.8 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 59.300 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064650.D

Acq: 27 Dec 2019 17:45

Instrument :

MSVOA_D

ClientSampleId :

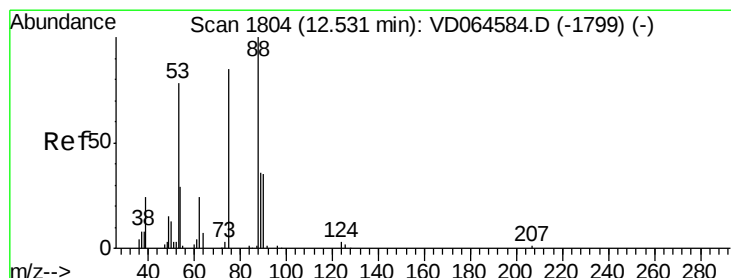
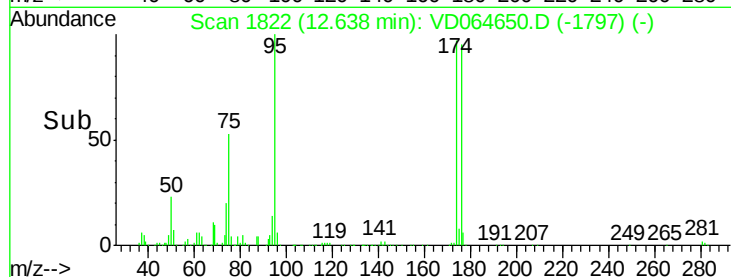
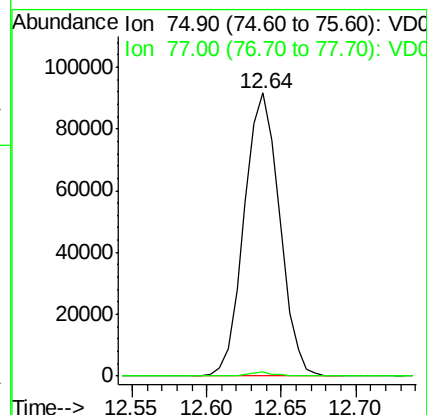
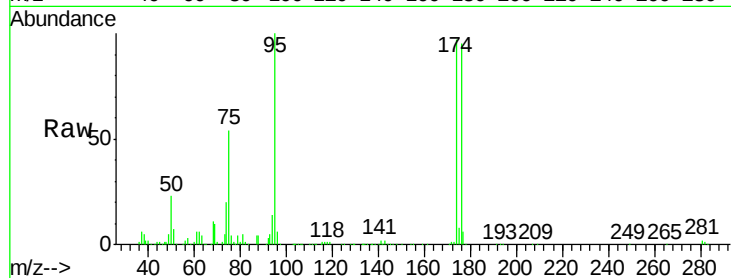
OR-03-122619

Tgt Ion: 75 Resp: 150343

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.024 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064650.D

Acq: 27 Dec 2019 17:45

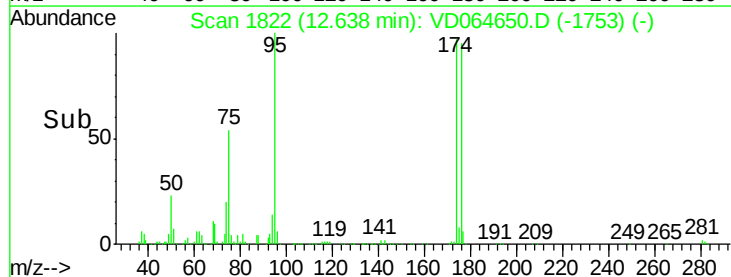
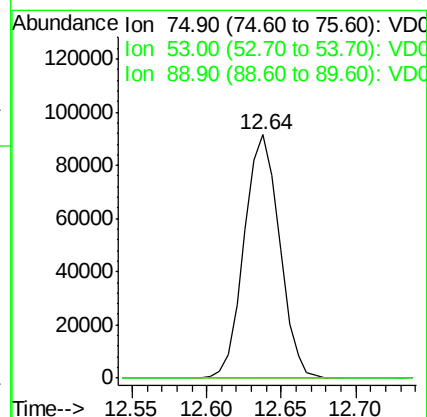
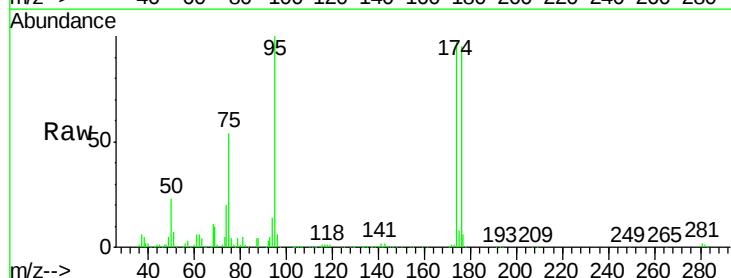
Tgt Ion: 75 Resp: 150343

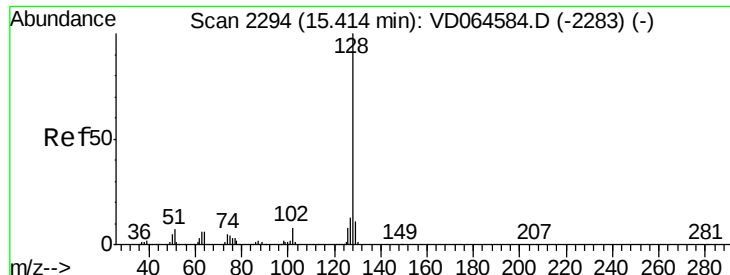
Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.1 38.3 57.5#





#95

Naphthalene

Concen: 22.143 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064650.D

Acq: 27 Dec 2019 17:45

Instrument :

MSVOA_D

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OR-03-122619

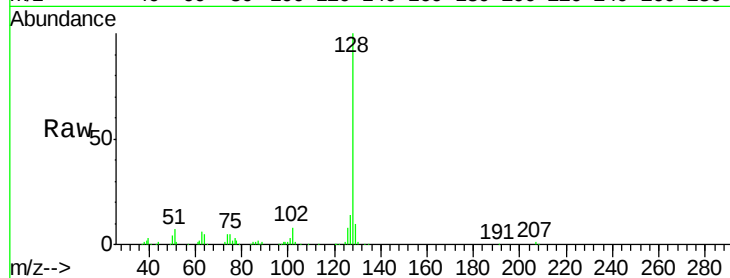
Tgt Ion:128 Resp: 236374

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

129 10.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

