

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064651.D
 Acq On : 27 Dec 2019 18:14
 Operator : VA/SY
 Sample : K6443-02
 Misc : 6.78G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PH-1

Quant Time: Dec 30 01:00:39 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	7.98	168	519435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	782576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	662504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	295452	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	230642	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	7.92	113	239957	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.34	98	911827	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.64	95	271090	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	

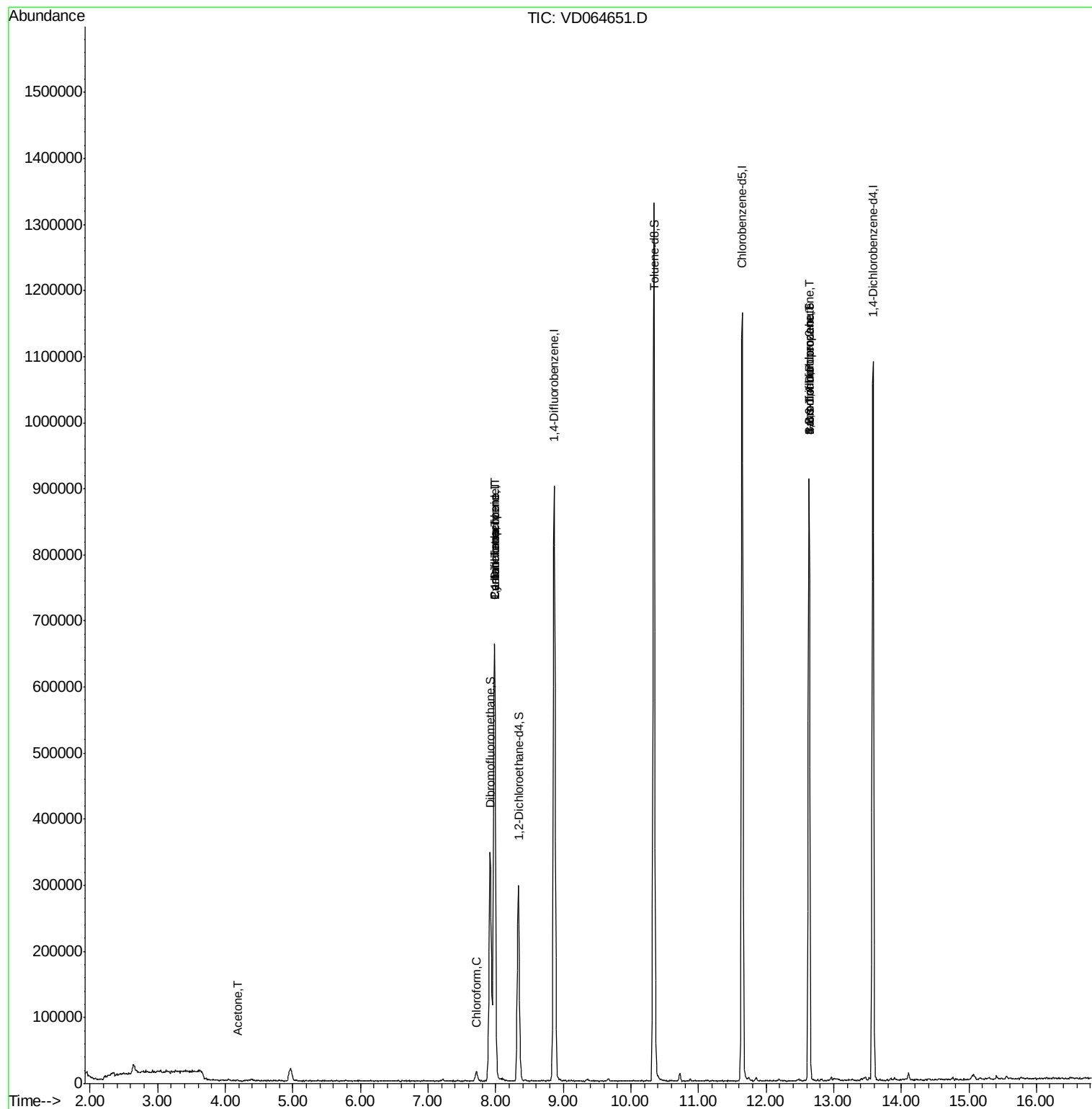
Target Compounds						Qvalue
16) Acetone	4.17	43	874	4.990	ug/l #	69
20) Methylene Chloride	4.96	84	14347	Below Cal		94
30) Chloroform	7.71	83	12980	1.450	ug/l	90
31) Cyclohexane	7.98	56	11180	1.309	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	35395	4.699	ug/l #	51
38) Carbon Tetrachloride	7.98	117	48243	6.007	ug/l #	17
71) Bromoform	12.63	173	3088	1.045	ug/l #	28
76) 1,2,3-Trichloropropane	12.64	75	143686	61.587	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	143686	128.806	ug/l #	10

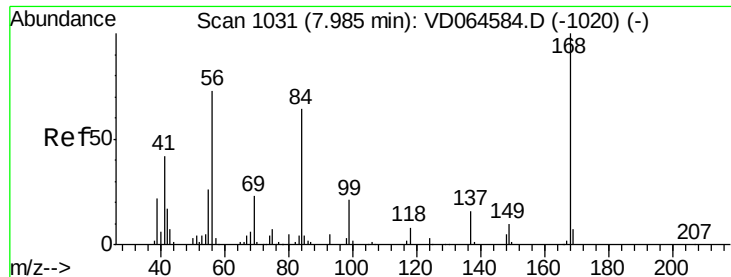
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064651.D

Acq: 27 Dec 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

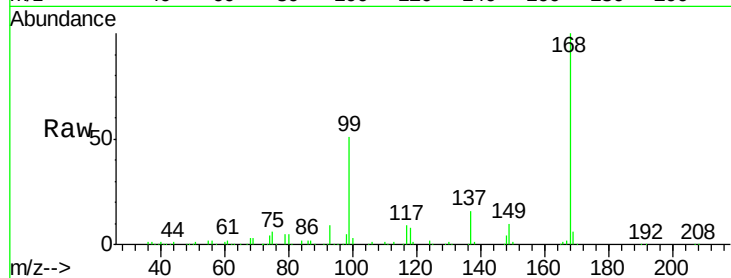
PH-1

Tgt Ion:168 Resp: 519435

Ion Ratio Lower Upper

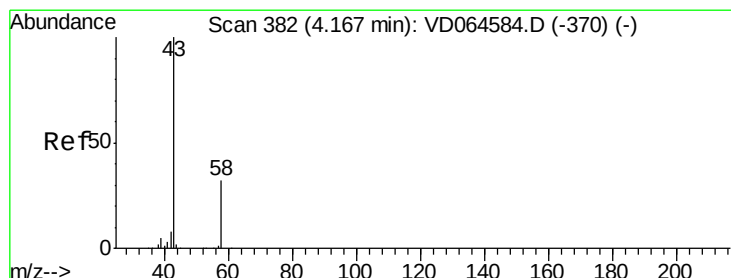
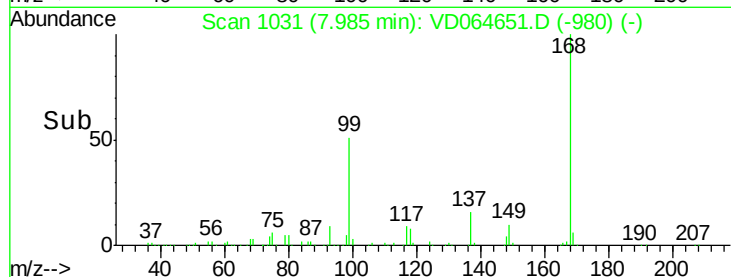
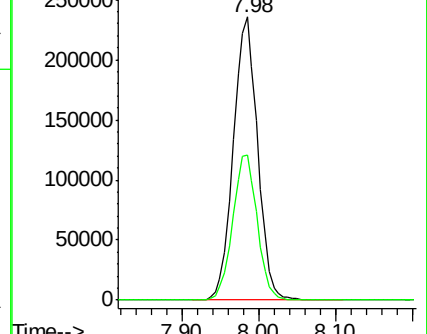
168 100

99 51.5 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: 4.990 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064651.D

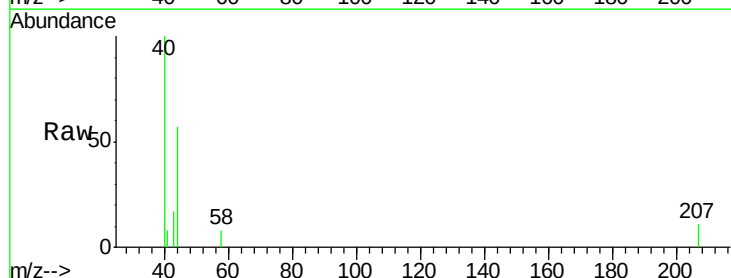
Acq: 27 Dec 2019 18:14

Tgt Ion: 43 Resp: 874

Ion Ratio Lower Upper

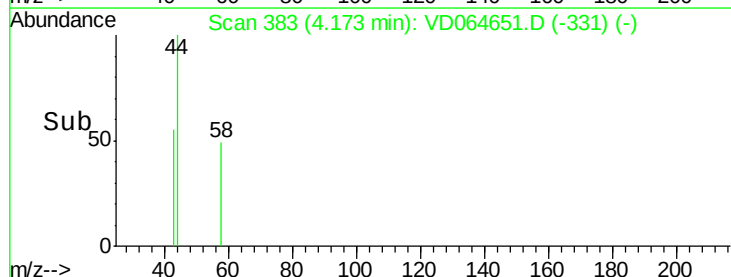
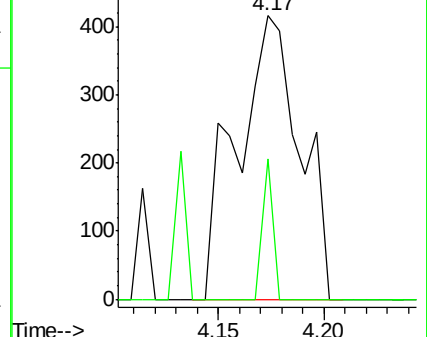
43 100

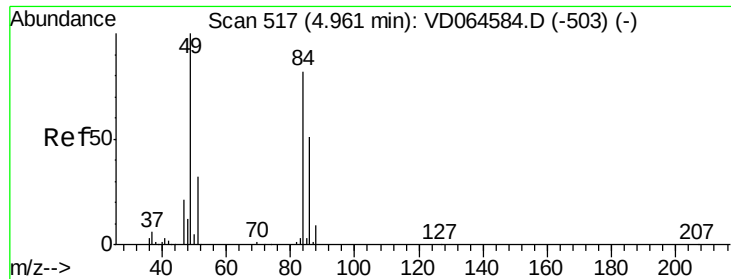
58 49.5 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

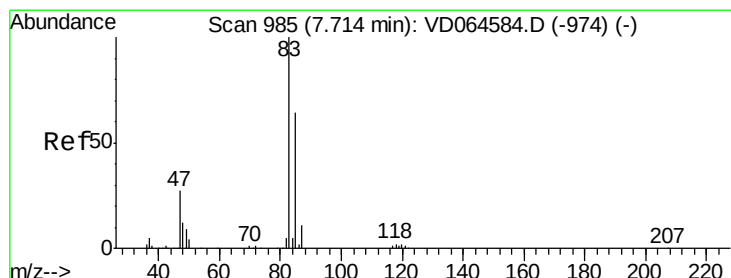
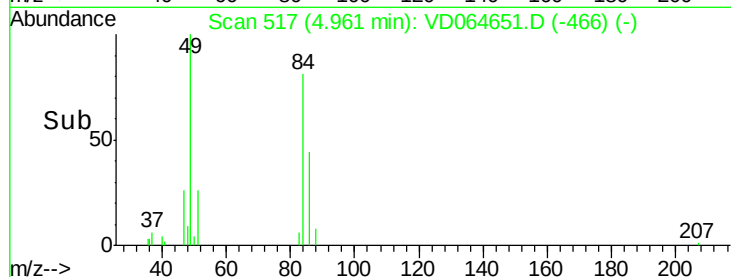
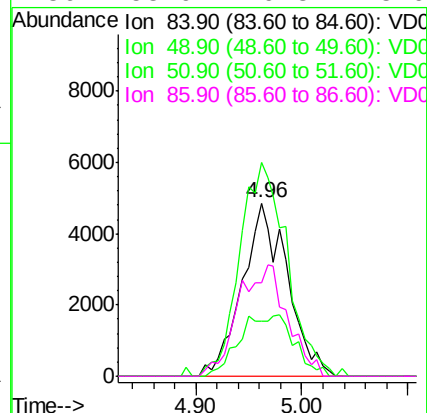
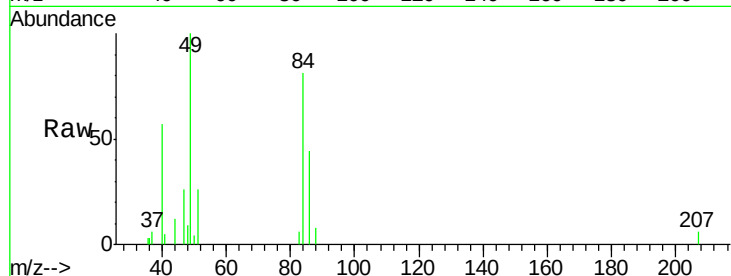




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064651.D
Acq: 27 Dec 2019 18:14

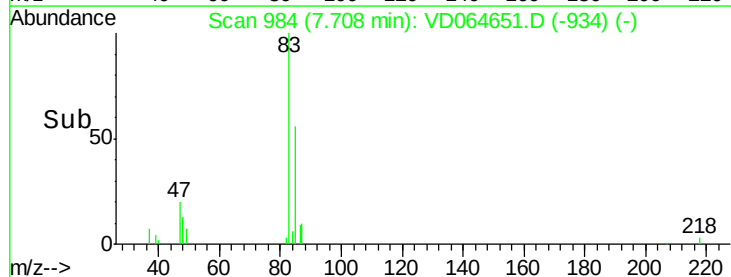
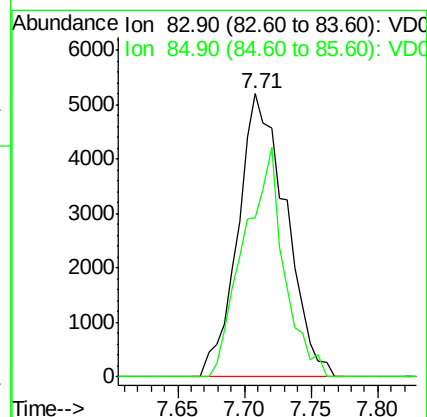
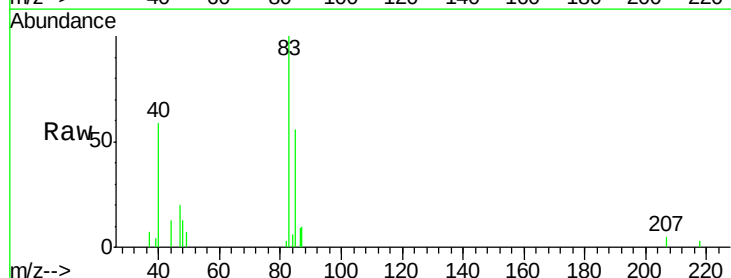
Instrument :
MSVOA_D
ClientSampleId :
PH-1

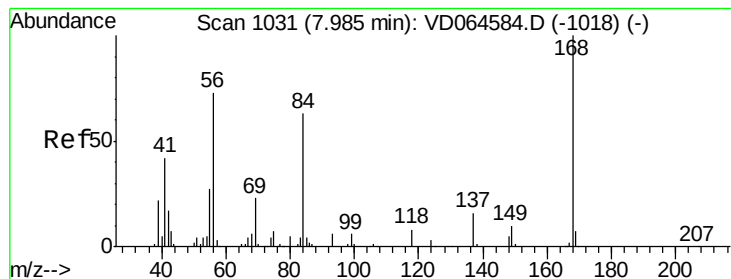
Tgt Ion:	84	Resp:	14347
Ion	Ratio	Lower	Upper
84	100		
49	123.4	97.2	145.8
51	31.8	31.4	47.0
86	53.9	49.3	73.9



#30
Chloroform
Concen: 1.450 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064651.D
Acq: 27 Dec 2019 18:14

Tgt Ion:	83	Resp:	12980
Ion	Ratio	Lower	Upper
83	100		
85	56.3	51.1	76.7





#31

Cyclohexane

Concen: 1.309 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064651.D

Acq: 27 Dec 2019 18:14

Instrument :

MSVOA_D

ClientSampled :

PH-1

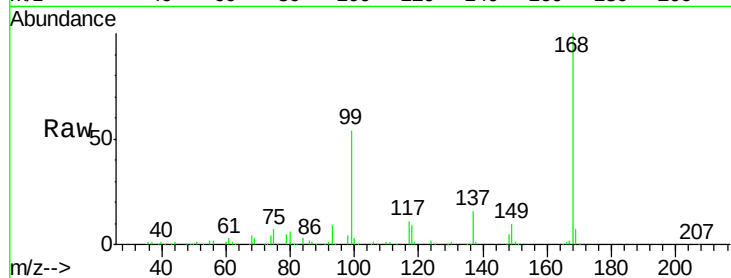
Tgt Ion: 56 Resp: 11180

Ion Ratio Lower Upper

56 100

69 145.5 24.7 37.1#

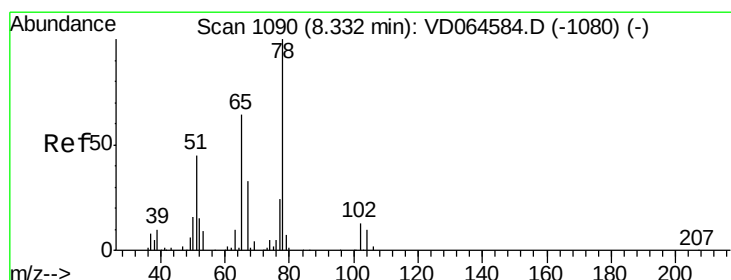
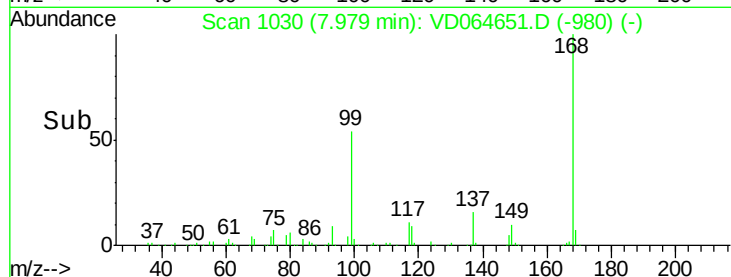
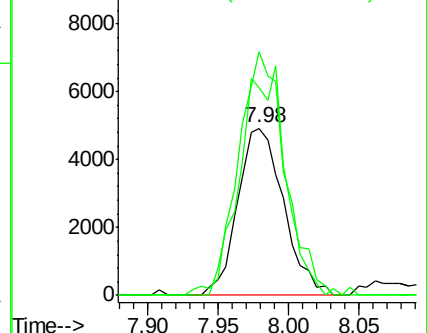
84 124.3 69.4 104.2#



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: 50.355 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064651.D

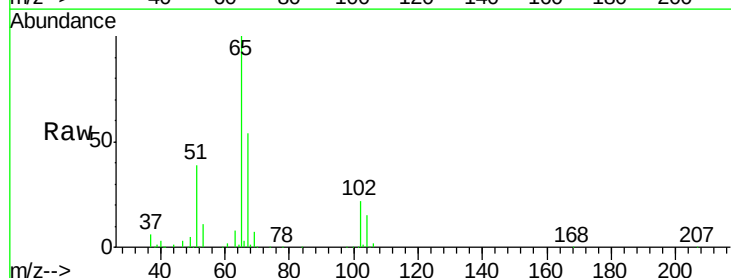
Acq: 27 Dec 2019 18:14

Tgt Ion: 65 Resp: 230642

Ion Ratio Lower Upper

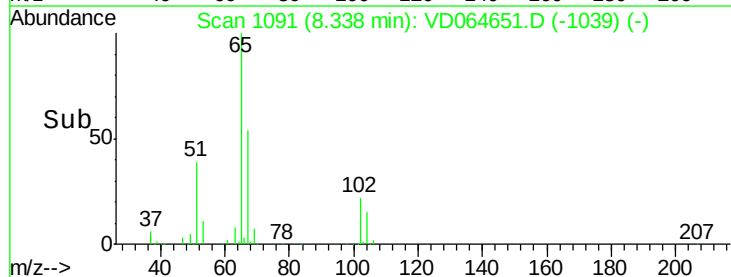
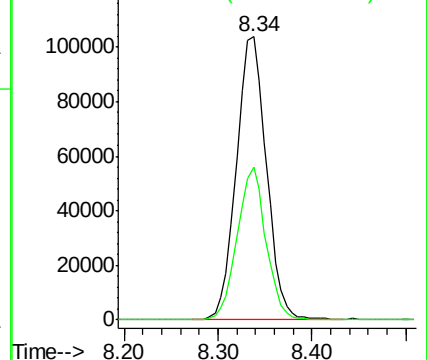
65 100

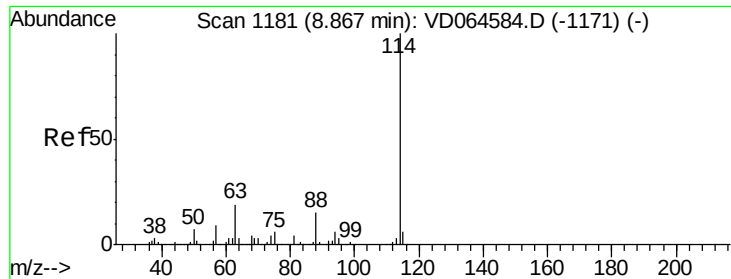
67 51.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

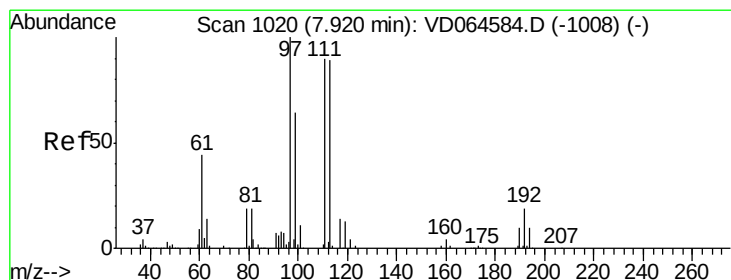
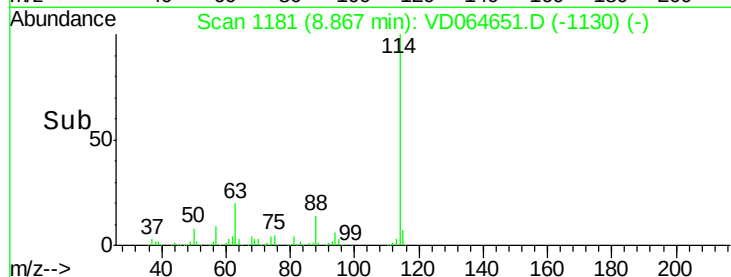
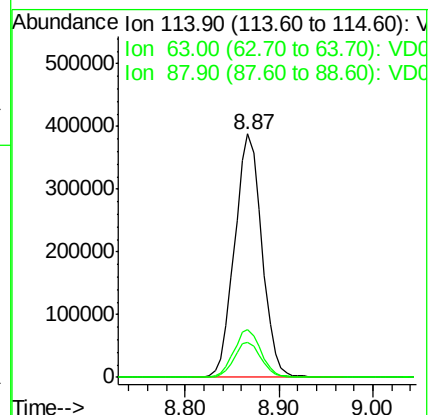
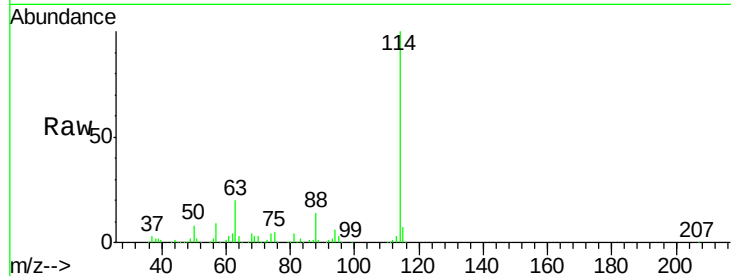




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064651.D
 Acq: 27 Dec 2019 18:14

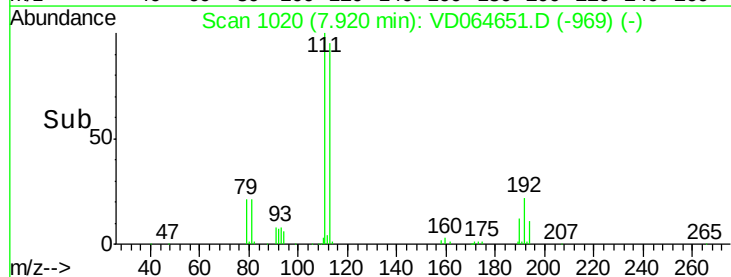
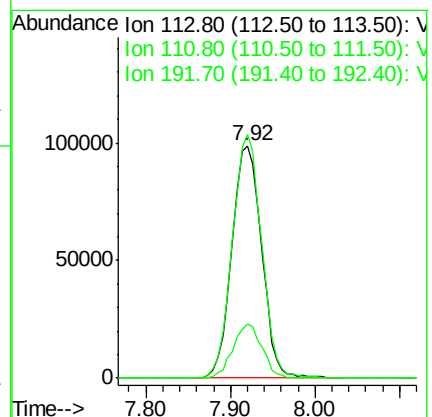
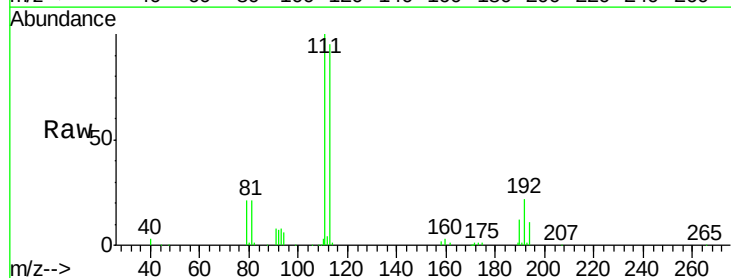
Instrument :
 MSVOA_D
 ClientSampleId :
 PH-1

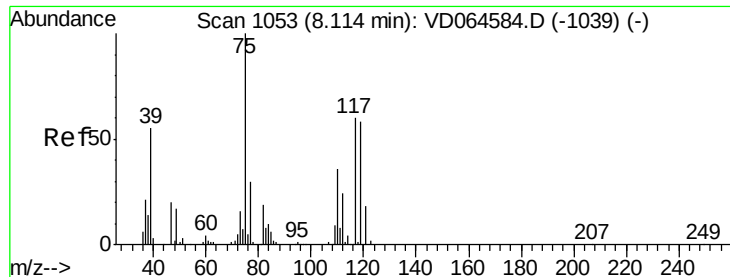
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.0
88	14.3	0.0	29.2



#35
 Dibromofluoromethane
 Concen: 49.978 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064651.D
 Acq: 27 Dec 2019 18:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.6	121.0
192	22.7	17.9	26.9

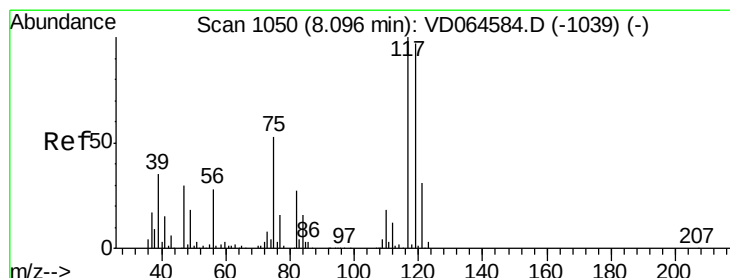
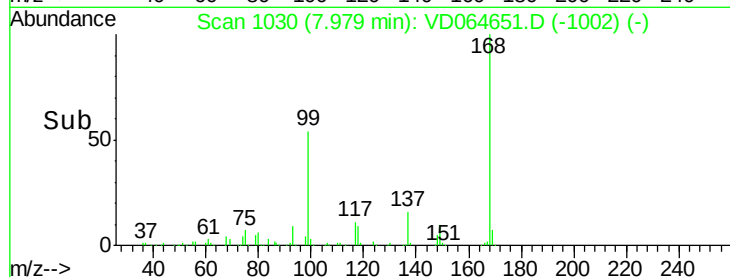
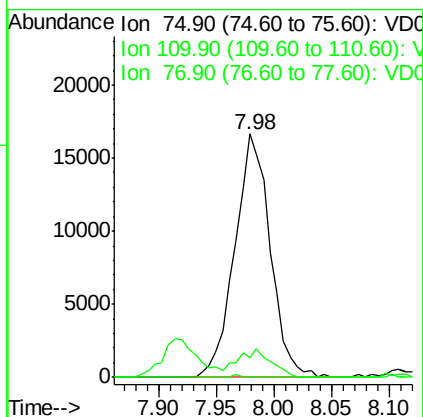
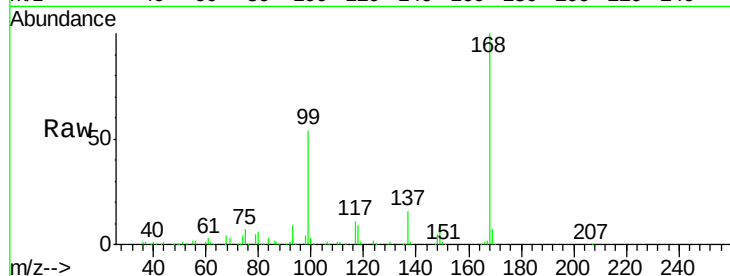




#36
 1,1-Dichloropropene
 Concen: 4.699 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064651.D
 Acq: 27 Dec 2019 18:14

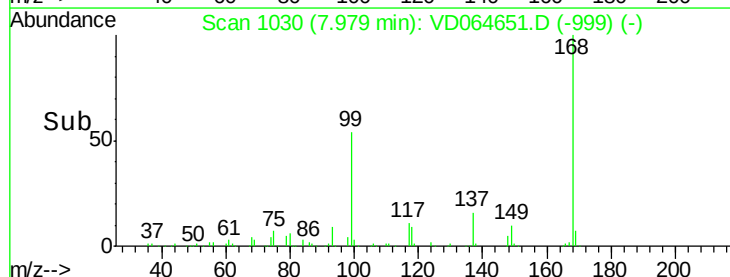
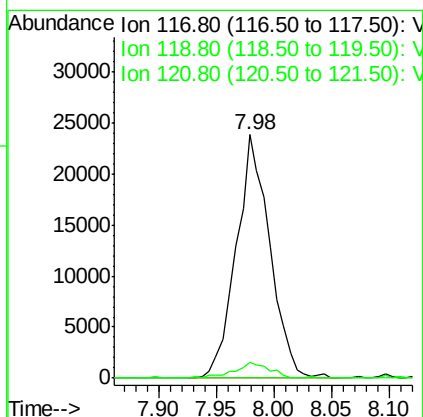
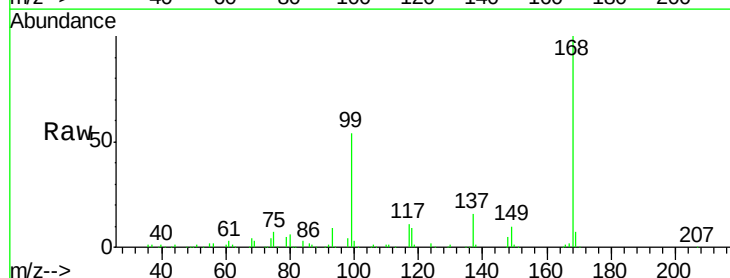
Instrument :
 MSVOA_D
 ClientSampleId :
 PH-1

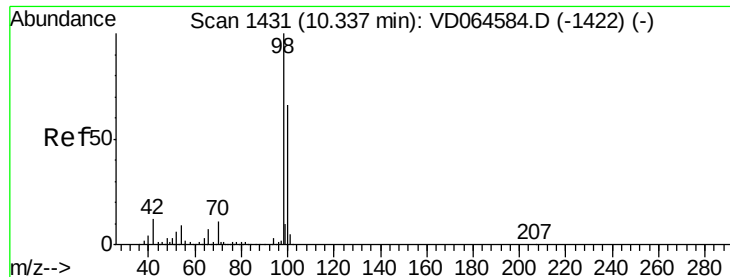
Tgt Ion: 75 Resp: 35395
 Ion Ratio Lower Upper
 75 100
 110 10.8 18.1 54.1#
 77 0.2 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.007 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064651.D
 Acq: 27 Dec 2019 18:14

Tgt Ion: 117 Resp: 48243
 Ion Ratio Lower Upper
 117 100
 119 6.3 77.3 115.9#
 121 0.0 25.0 37.6#

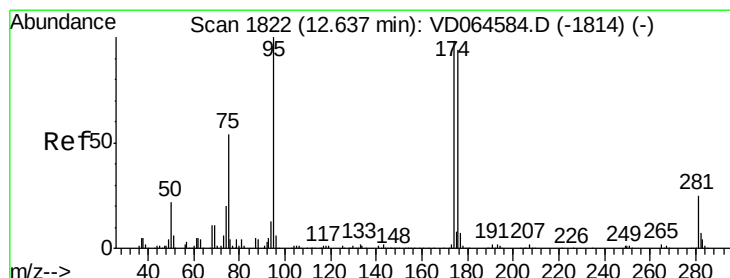
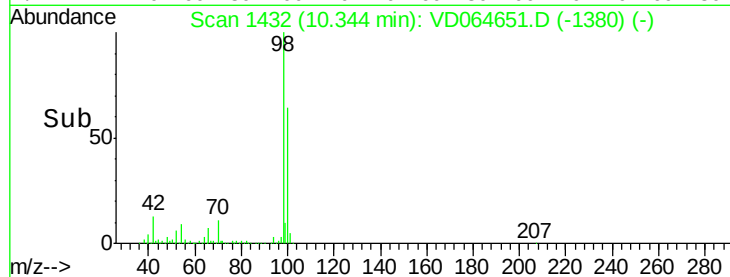
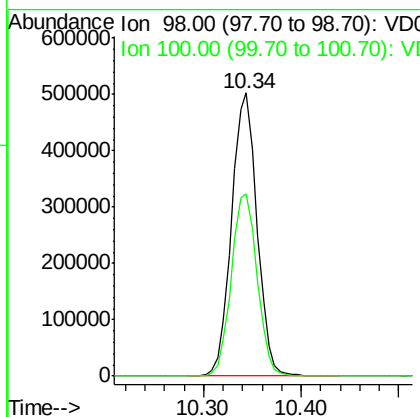
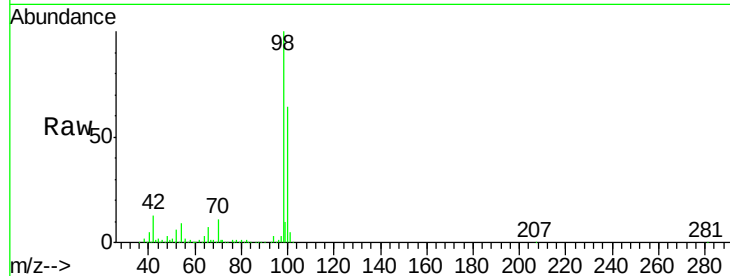




#50
Toluene-d8
Concen: 49.588 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064651.D
Acq: 27 Dec 2019 18:14

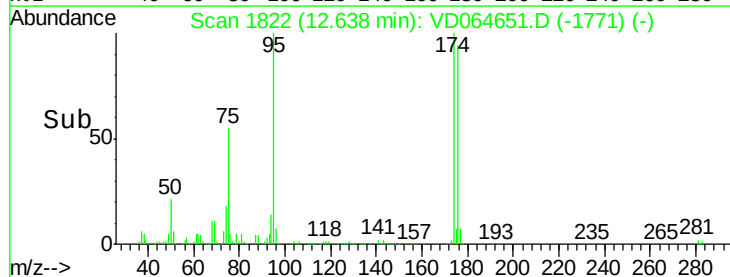
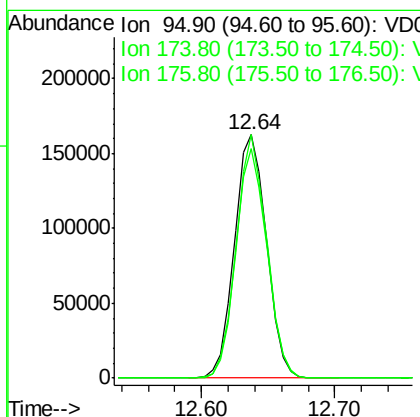
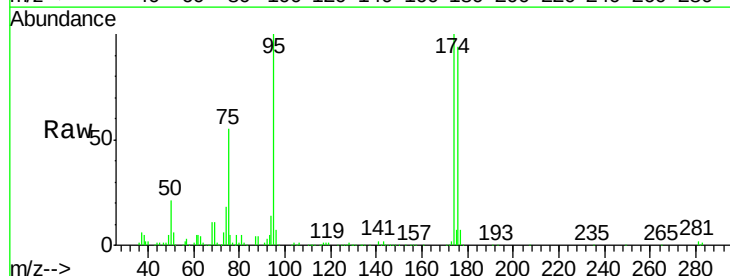
Instrument :
MSVOA_D
ClientSampleId :
PH-1

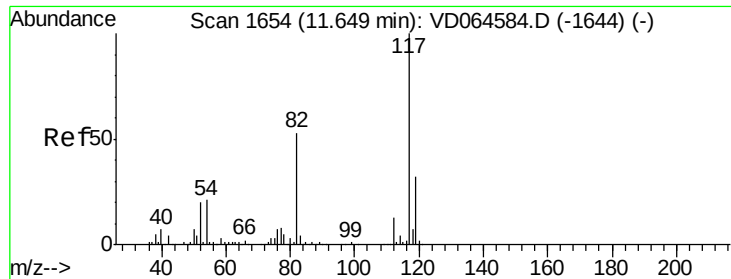
Tgt Ion: 98 Resp: 911827
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.623 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064651.D
Acq: 27 Dec 2019 18:14

Tgt Ion: 95 Resp: 271090
Ion Ratio Lower Upper
95 100
174 94.6 0.0 193.2
176 91.3 0.0 184.2

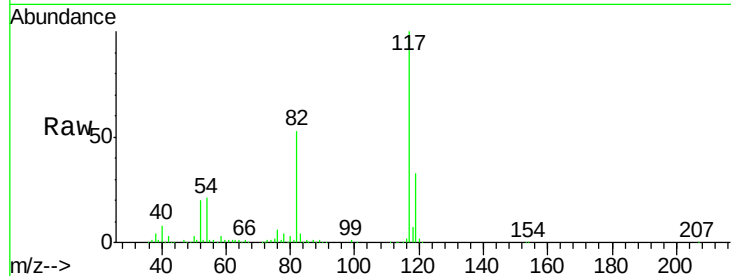




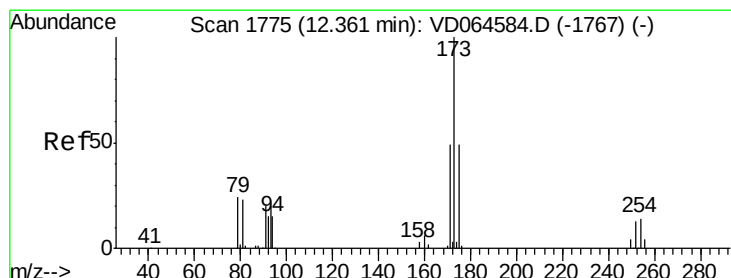
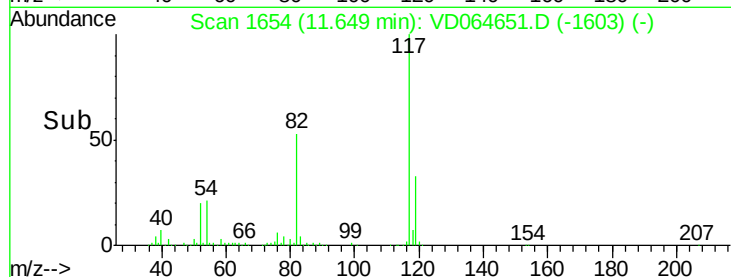
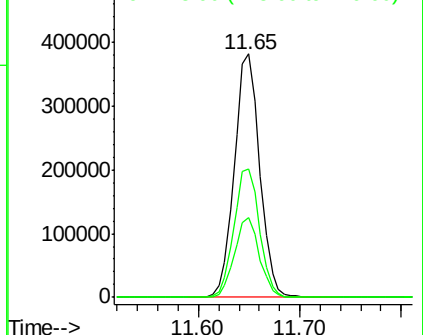
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064651.D
Acq: 27 Dec 2019 18:14

Instrument :
MSVOA_D
ClientSampled :
PH-1

Tgt Ion:117 Resp: 662504
Ion Ratio Lower Upper
117 100
82 53.0 42.2 63.4
119 32.9 26.0 39.0

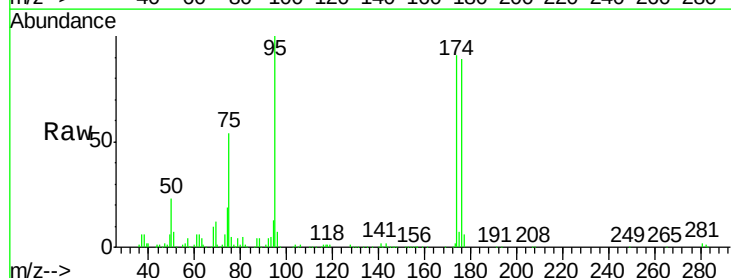


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

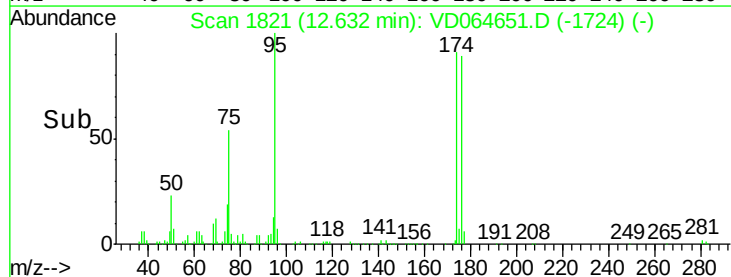
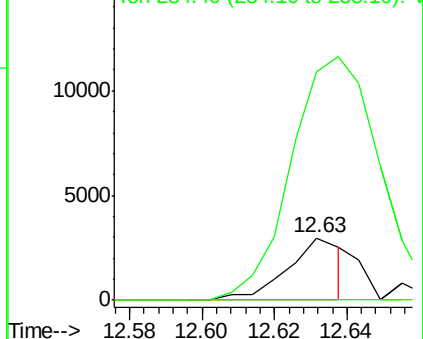


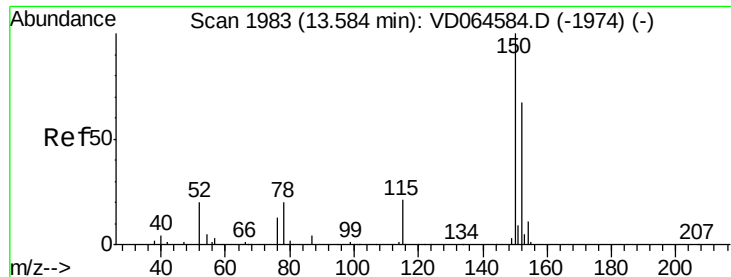
#71
Bromoform
Concen: 1.045 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD064651.D
Acq: 27 Dec 2019 18:14

Tgt Ion:173 Resp: 3088
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.1 0.1#



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: VD064651.D

Acq: 27 Dec 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

PH-1

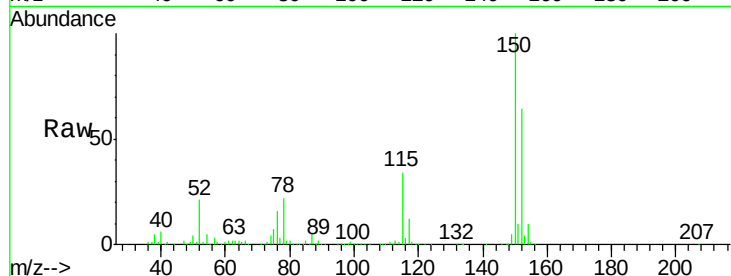
Tgt Ion:152 Resp: 295452

Ion Ratio Lower Upper

152 100

115 54.7 27.8 83.4

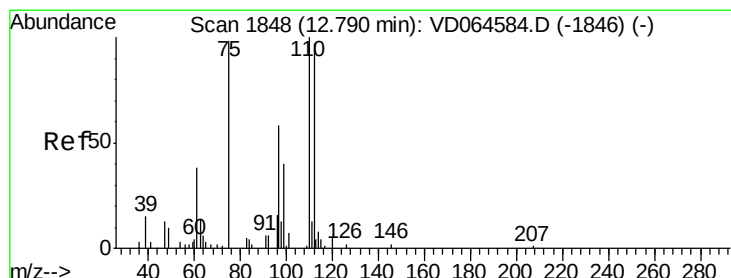
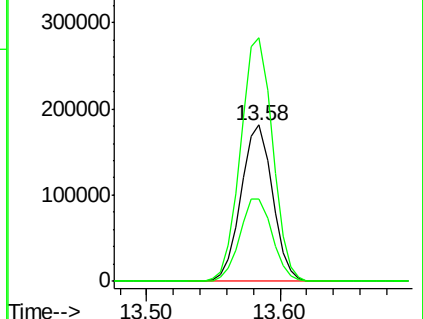
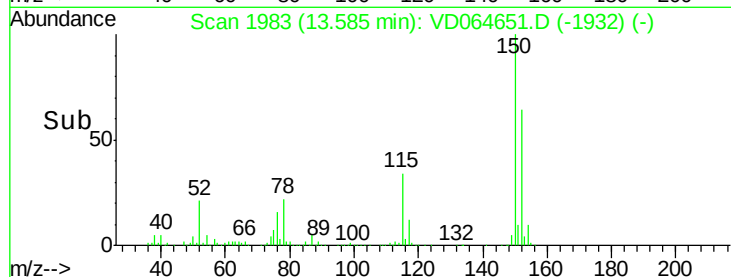
150 158.5 0.0 351.4



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: 61.587 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064651.D

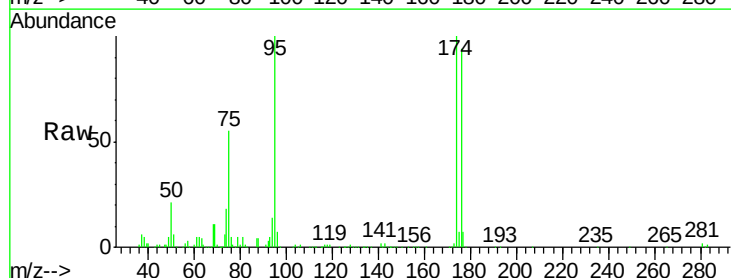
Acq: 27 Dec 2019 18:14

Tgt Ion: 75 Resp: 143686

Ion Ratio Lower Upper

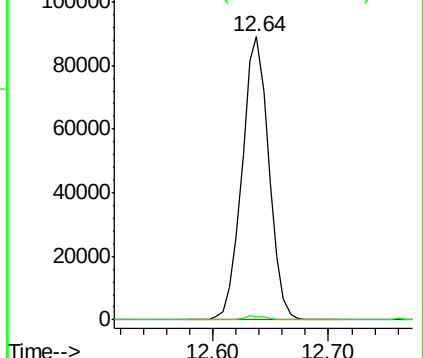
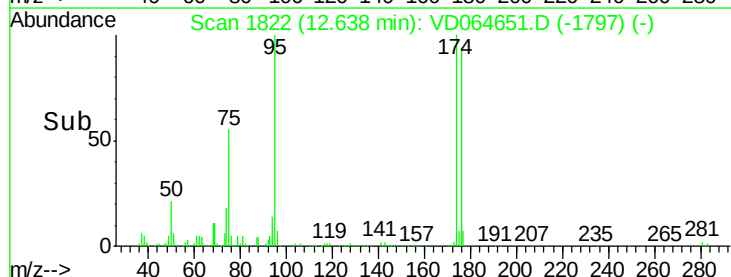
75 100

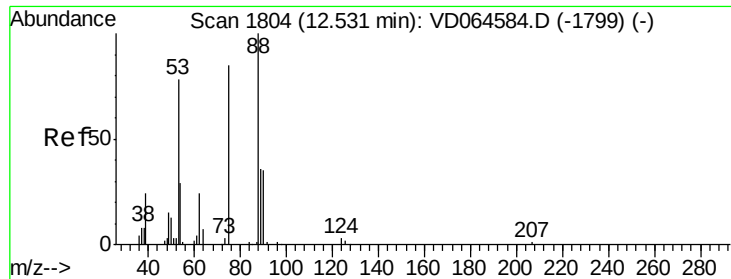
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 128.806 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064651.D

Acq: 27 Dec 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

PH-1

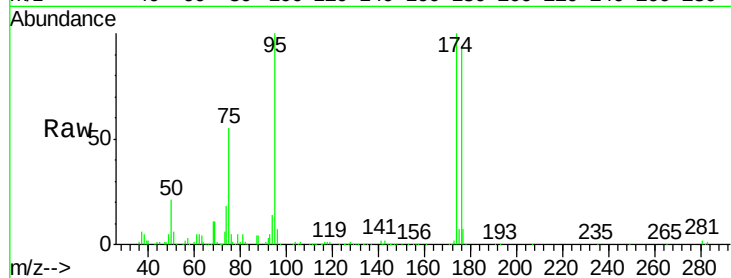
Tgt Ion: 75 Resp: 143686

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.1 38.3 57.5#



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

