

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064720.D
 Acq On : 02 Jan 2020 16:29
 Operator : VA/SY
 Sample : K6469-01RE
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 174-NC-TOPSOIL-001RE

Quant Time: Jan 03 01:29:31 2020
 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

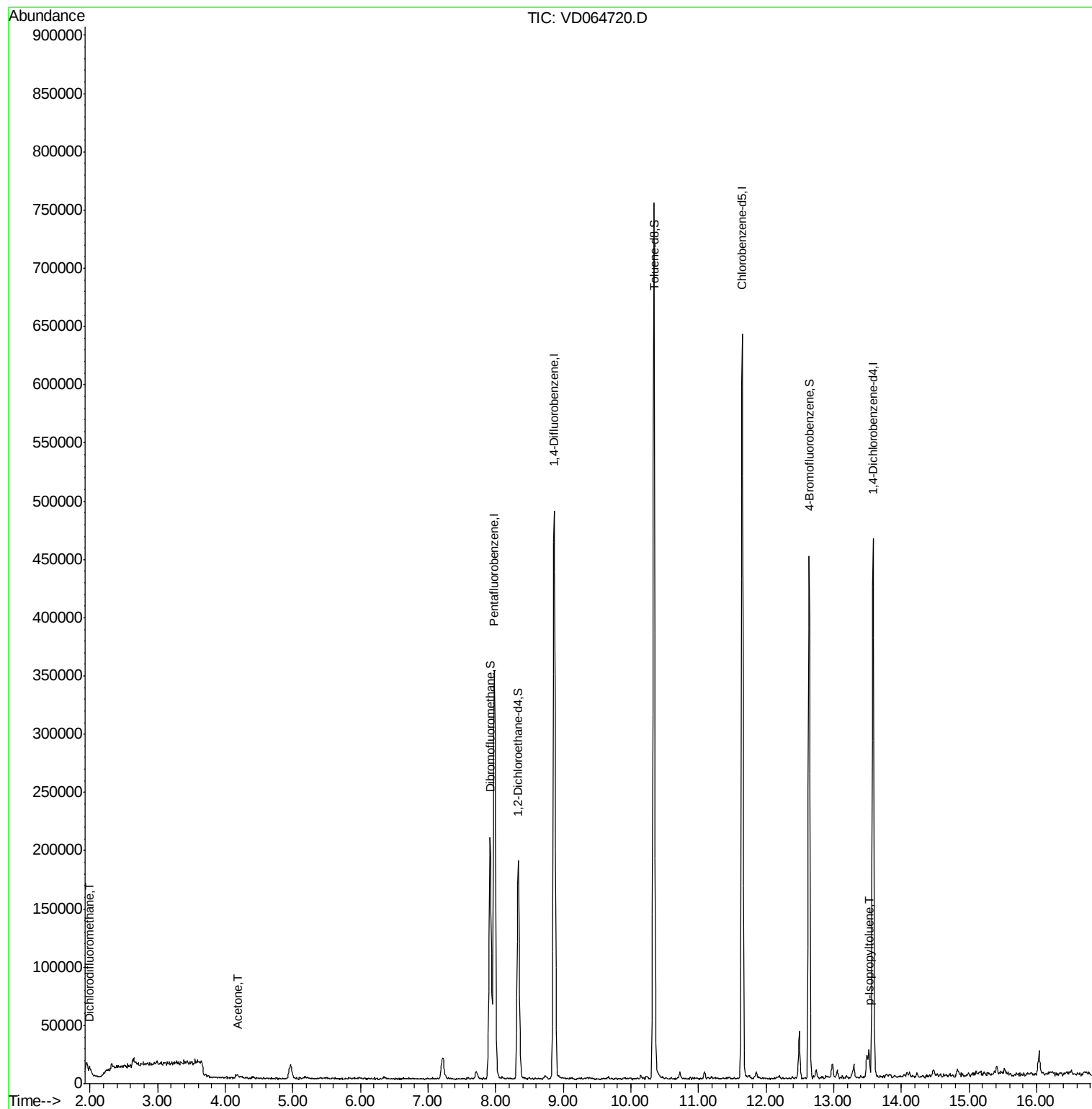
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	274501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	427938	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	361261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	123839	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	150987	62.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.76%	
35) Dibromofluoromethane	7.92	113	143359	54.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.20%	
50) Toluene-d8	10.34	98	504228	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.64	95	134663	42.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.70%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	3249	1.523	ug/l	96
16) Acetone	4.18	43	5686	14.024	ug/l	96
86) p-Isopropyltoluene	13.52	119	12766	1.543	ug/l	96

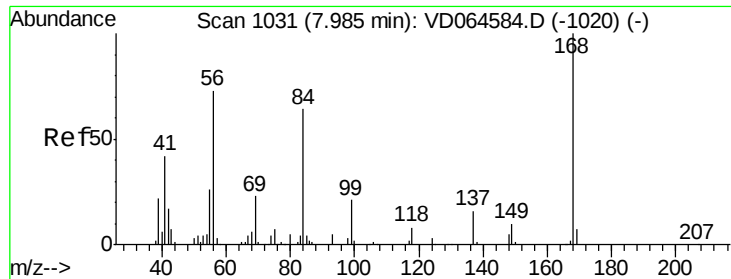
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064720.D

Acq: 02 Jan 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

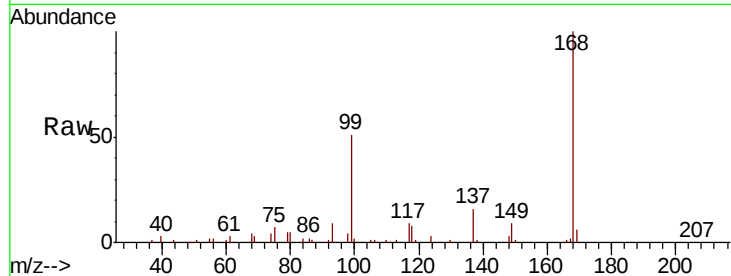
174-NC-TOPSOIL-001RE

Tot Ion:168 Resp: 274501

Ion Ratio Lower Upper

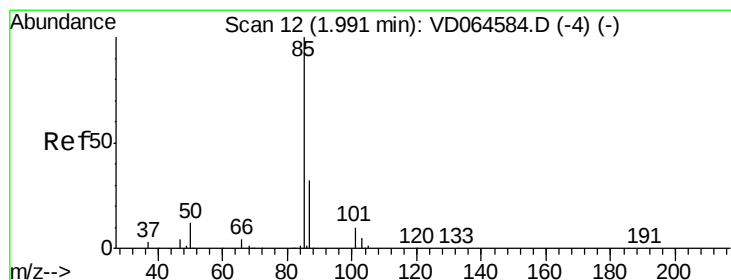
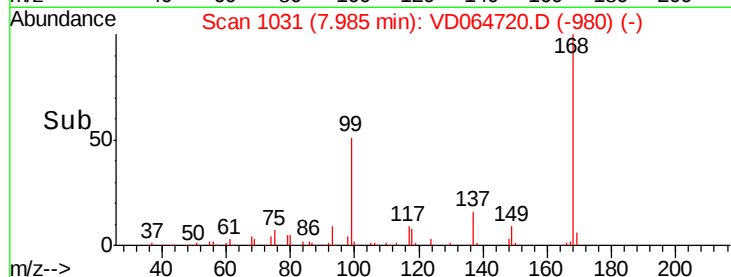
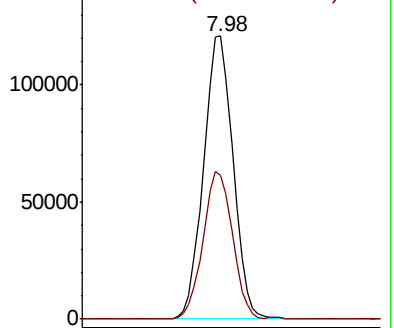
168 100

99 50.8 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.523 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064720.D

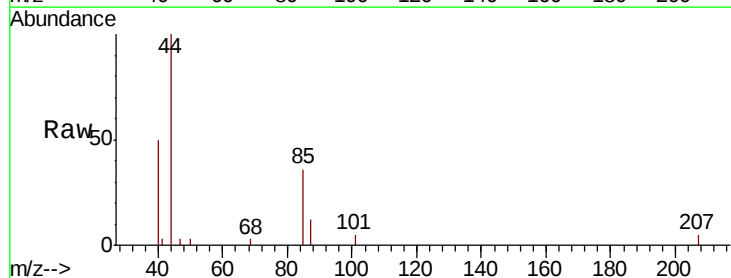
Acq: 02 Jan 2020 16:29

Tgt Ion: 85 Resp: 3249

Ion Ratio Lower Upper

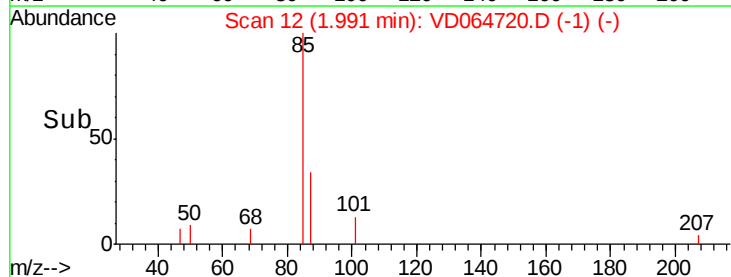
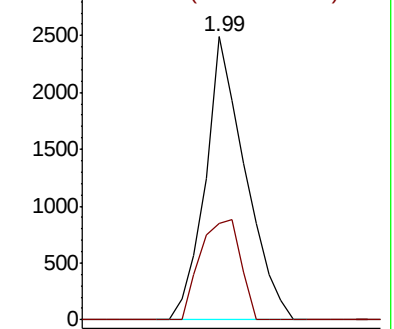
85 100

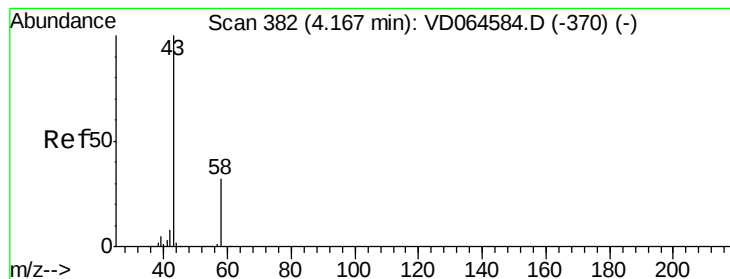
87 34.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 14.024 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064720.D

Acq: 02 Jan 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

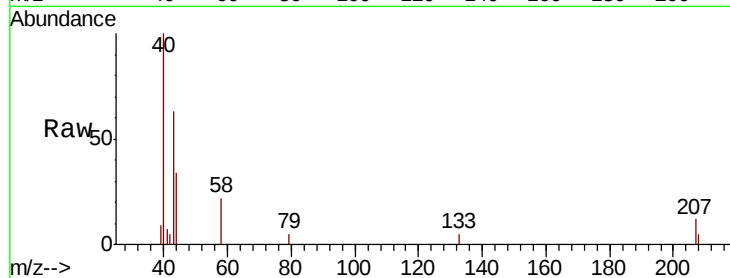
174-NC-TOPSOIL-001RE

Tot Ion: 43 Resp: 5686

Ion Ratio Lower Upper

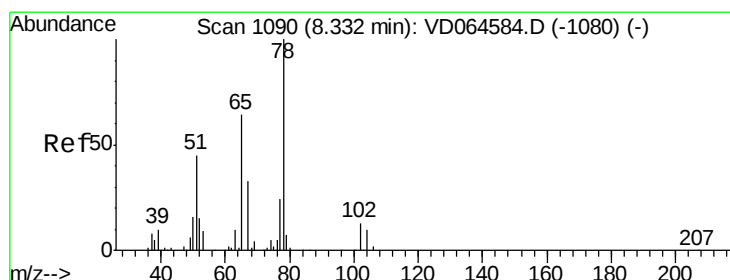
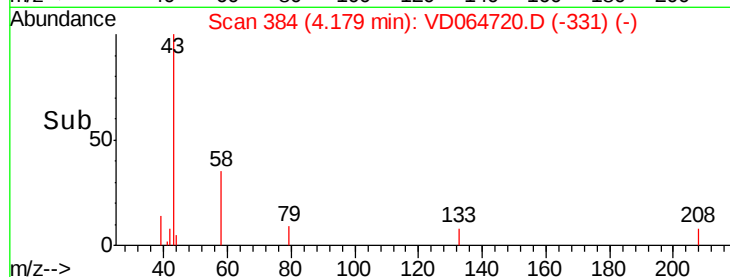
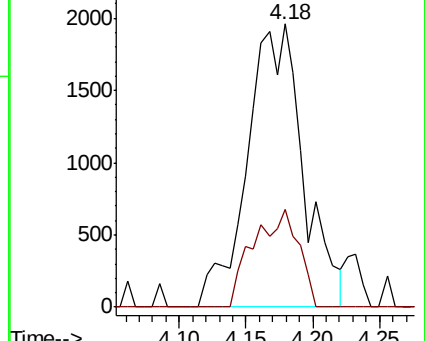
43 100

58 34.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 62.378 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064720.D

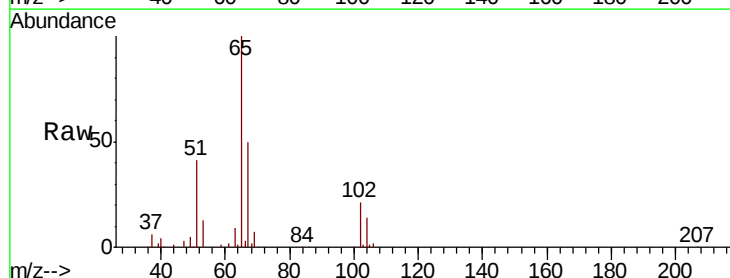
Acq: 02 Jan 2020 16:29

Tgt Ion: 65 Resp: 150987

Ion Ratio Lower Upper

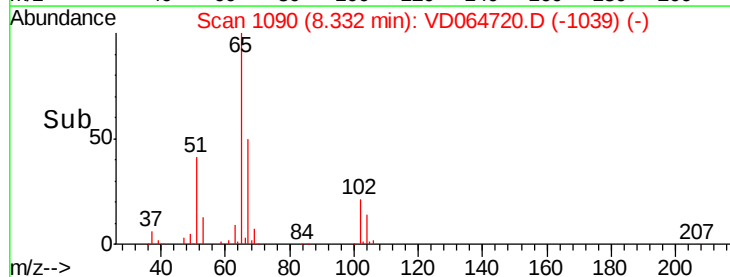
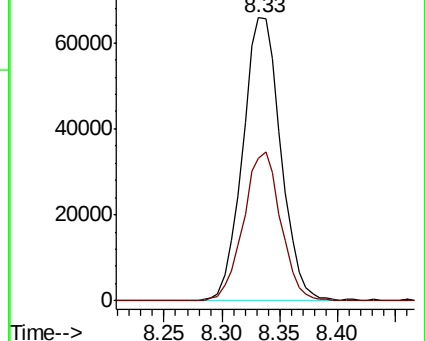
65 100

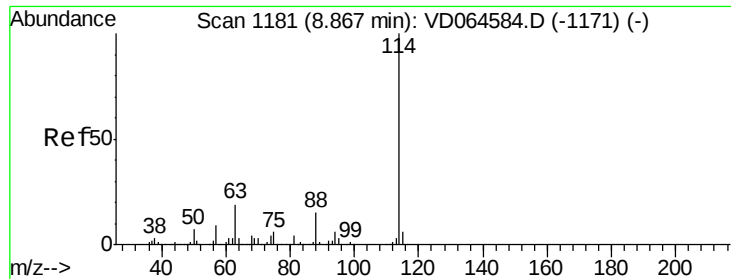
67 51.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

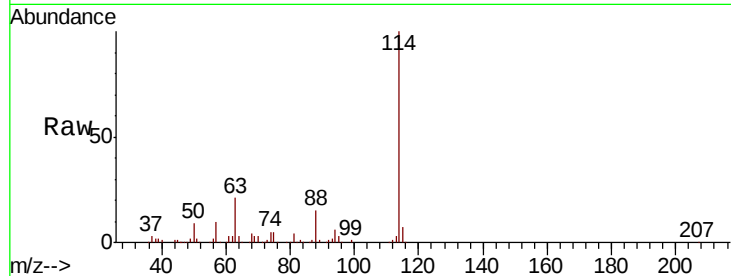




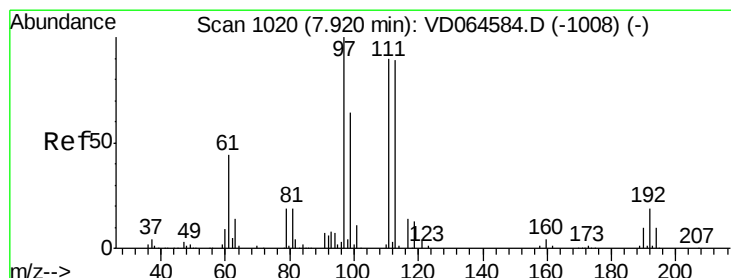
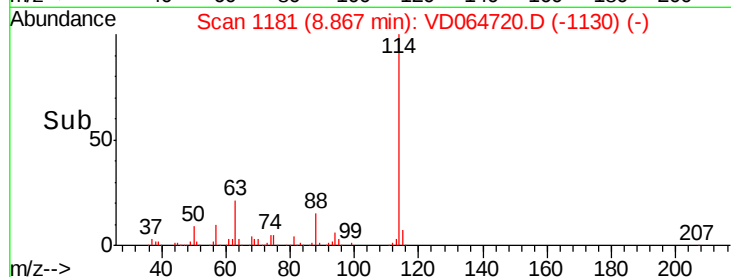
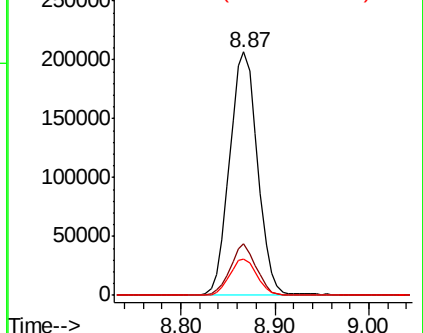
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064720.D
 Acq: 02 Jan 2020 16:29

Instrument :
 MSVOA_D
 ClientSampleId :
 174-NC-TOPSOIL-001RE

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	38.0
88	15.0	0.0	29.2

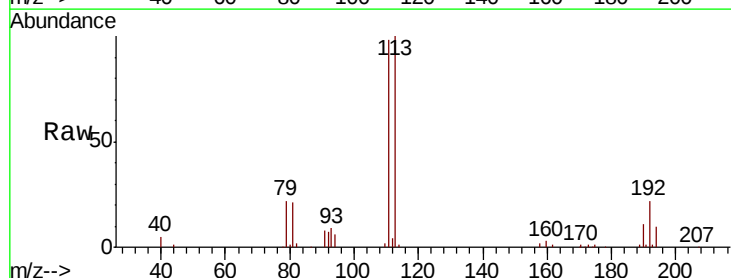


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

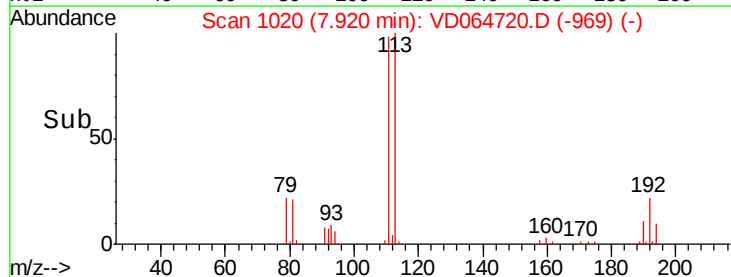
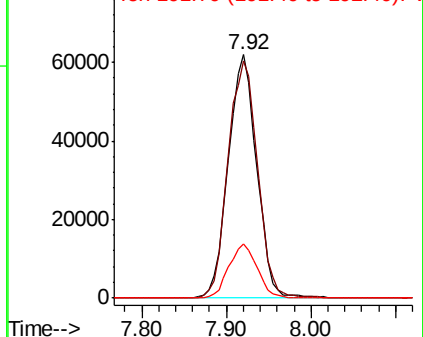


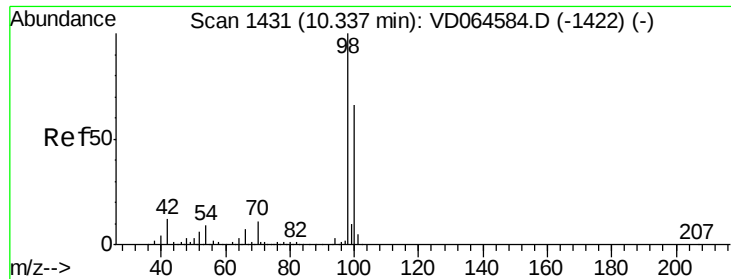
#35
 Dibromofluoromethane
 Concen: 54.603 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064720.D
 Acq: 02 Jan 2020 16:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.6	121.0
192	22.2	17.9	26.9



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





#50

Toluene-d8

Concen: 50.146 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064720.D

Acq: 02 Jan 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

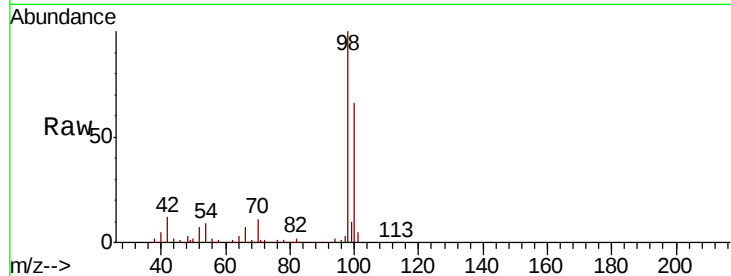
174-NC-TOPSOIL-001RE

Tot Ion: 98 Resp: 504228

Ion Ratio Lower Upper

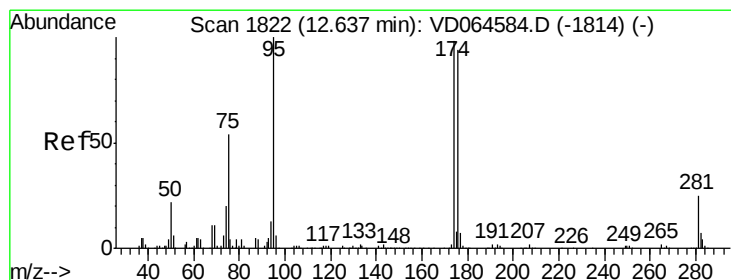
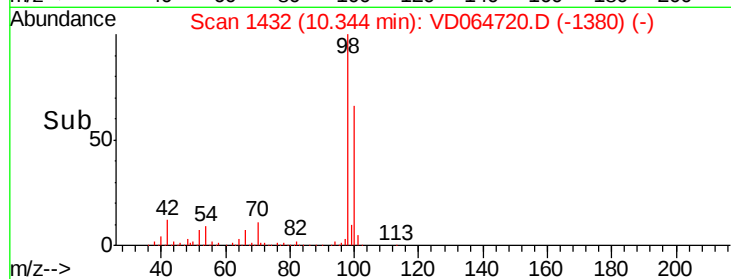
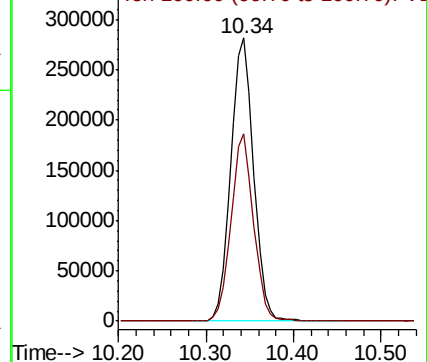
98 100

100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 42.352 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064720.D

Acq: 02 Jan 2020 16:29

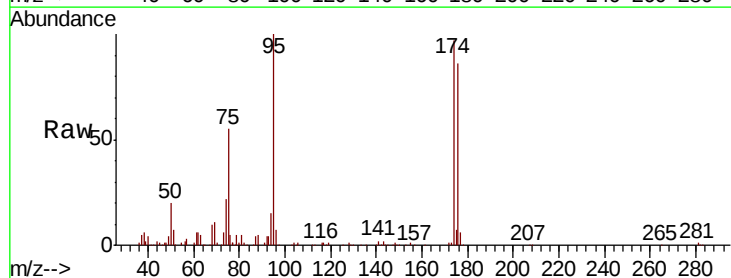
Tgt Ion: 95 Resp: 134663

Ion Ratio Lower Upper

95 100

174 94.9 0.0 193.2

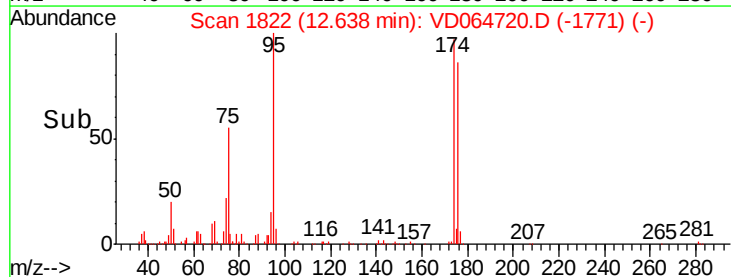
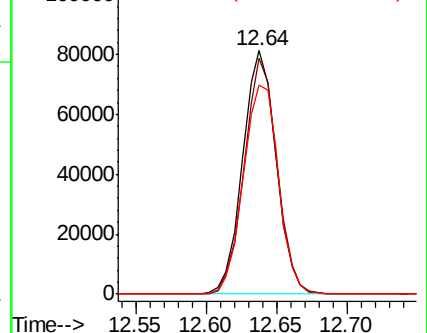
176 90.2 0.0 184.2

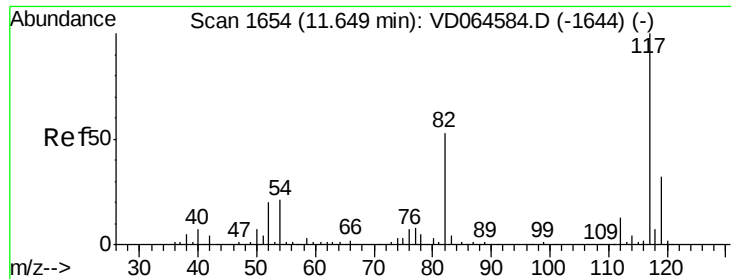


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

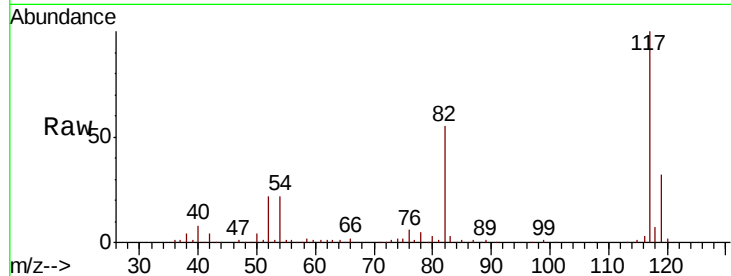




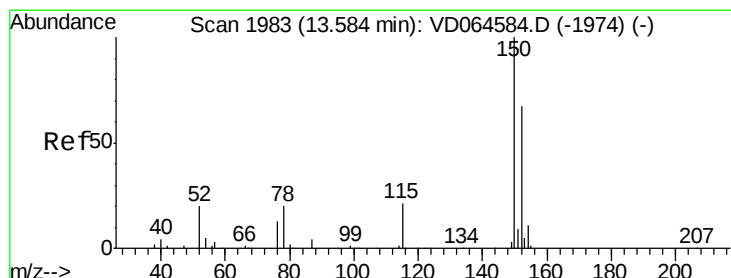
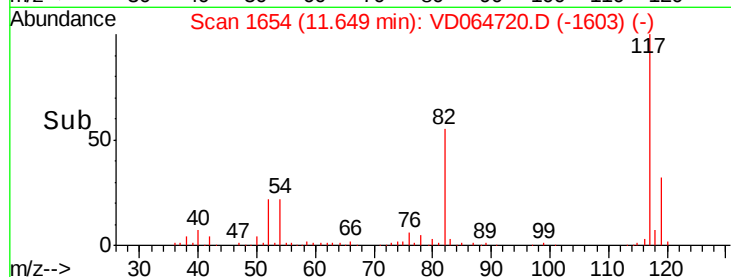
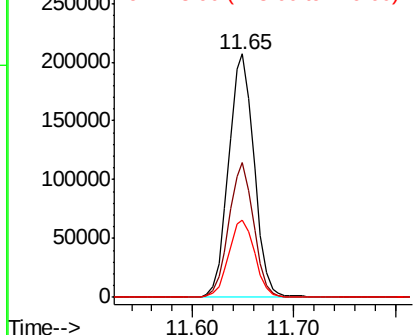
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064720.D
Acq: 02 Jan 2020 16:29

Instrument :
MSVOA_D
ClientSampleId :
174-NC-TOPSOIL-001RE

Tot Ion:117 Resp: 361261
Ion Ratio Lower Upper
117 100
82 55.2 42.2 63.4
119 31.8 26.0 39.0

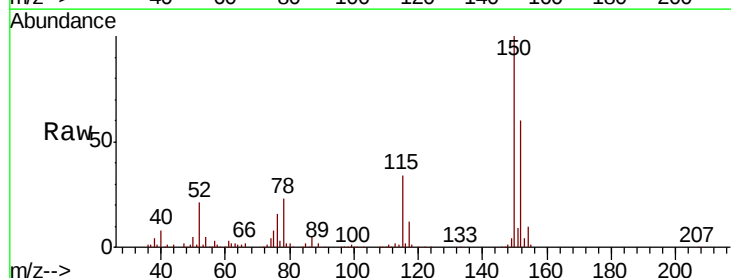


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

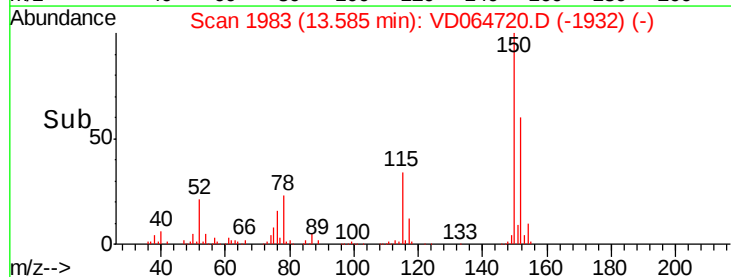
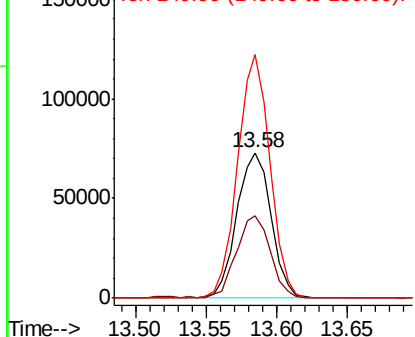


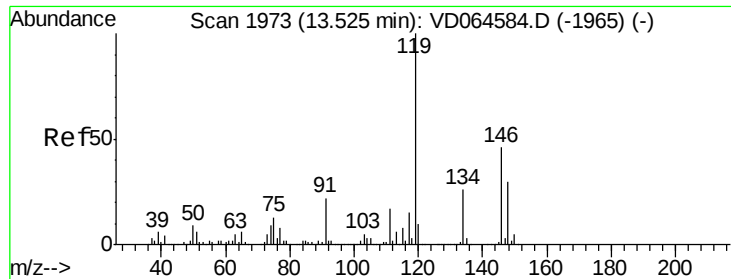
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064720.D
Acq: 02 Jan 2020 16:29

Tgt Ion:152 Resp: 123839
Ion Ratio Lower Upper
152 100
115 55.9 27.8 83.4
150 157.7 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

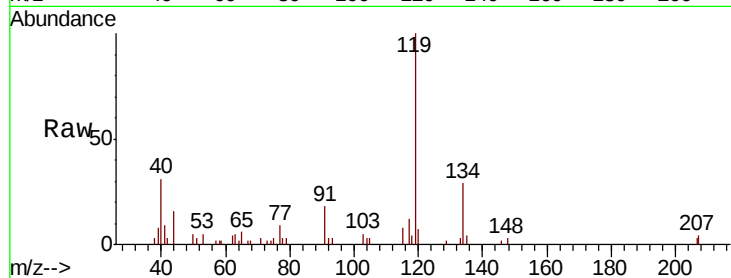




#86
 p-Isopropyltoluene
 Concen: 1.543 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064720.D
 Acq: 02 Jan 2020 16:29

Instrument :
 MSVOA_D
 ClientSampleId :
 174-NC-TOPSOIL-001RE

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.9	13.4	40.1
91	21.4	11.2	33.6



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

