

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\
 Data File : VD064912.D
 Acq On : 21 Jan 2020 16:38
 Operator : VA/SY
 Sample : L1214-02
 Misc : 4.42G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 22 05:28:18 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

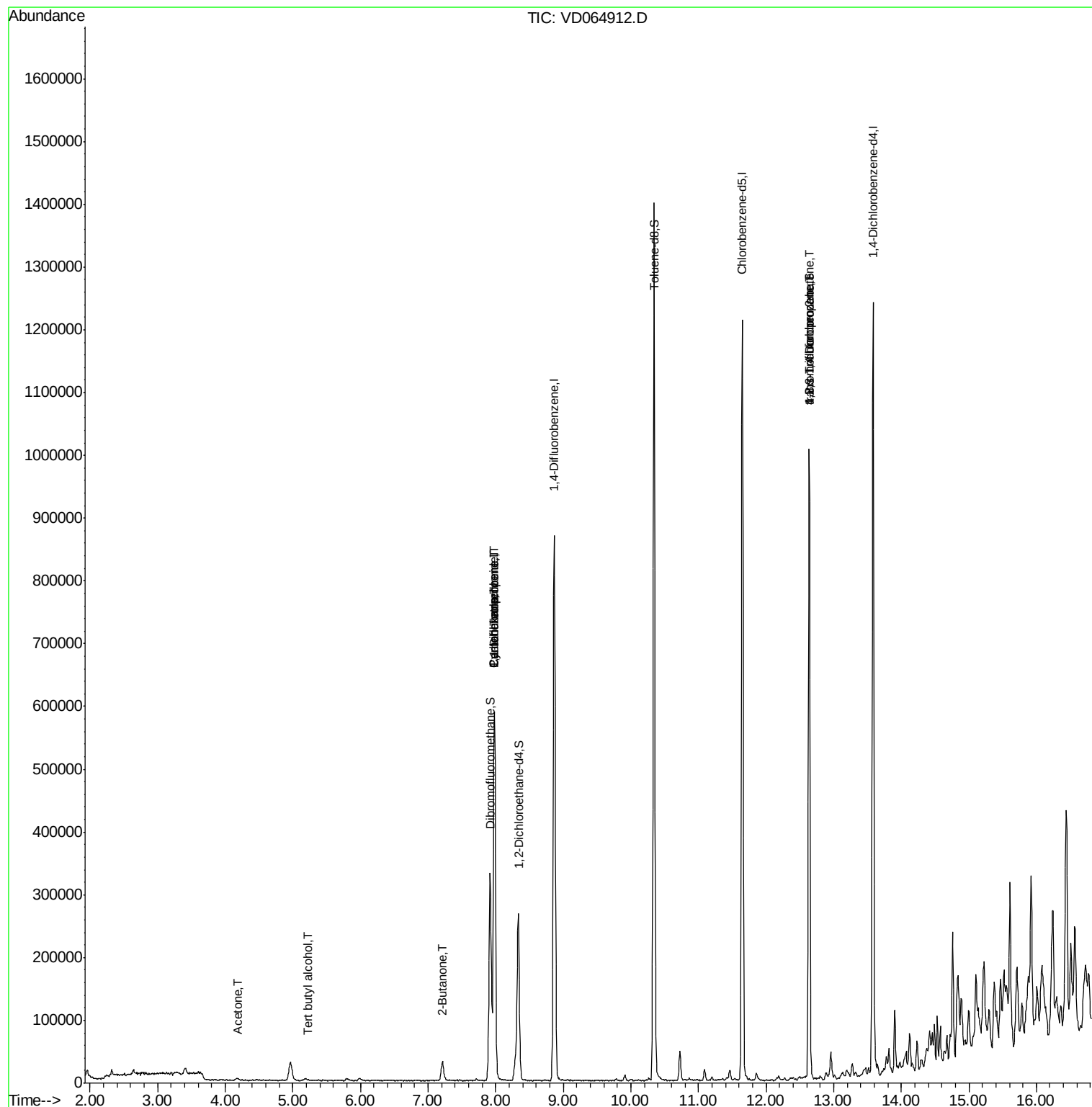
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	459029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	746751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	685548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319121	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	217023	53.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.24%	
35) Dibromofluoromethane	7.92	113	228557	49.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.78%	
50) Toluene-d8	10.34	98	915337	52.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.64	95	282859	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.96%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.23	59	760	3.276	ug/l #	70
16) Acetone	4.19	43	6727	11.140	ug/l	93
25) 2-Butanone	7.21	43	2683	2.411	ug/l #	49
31) Cyclohexane	7.98	56	10009	1.326	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	35875	4.991	ug/l #	49
38) Carbon Tetrachloride	7.98	117	43242	5.642	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	154254	61.212	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	154254	128.024	ug/l #	10

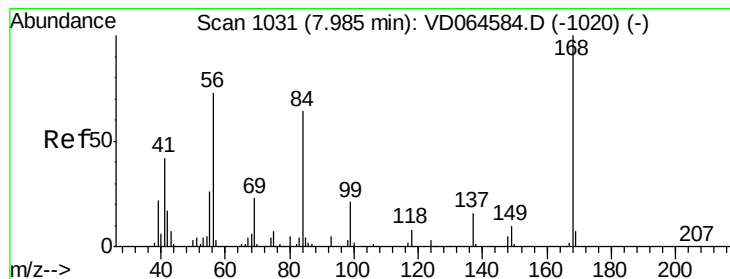
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD012120\
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Misc : 4.42G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jan 22 05:28:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
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: VD064912.D

Acq: 21 Jan 2020 16:38

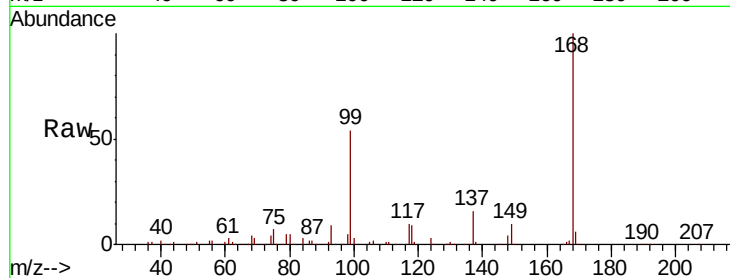
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 459029

Ion Ratio Lower Upper

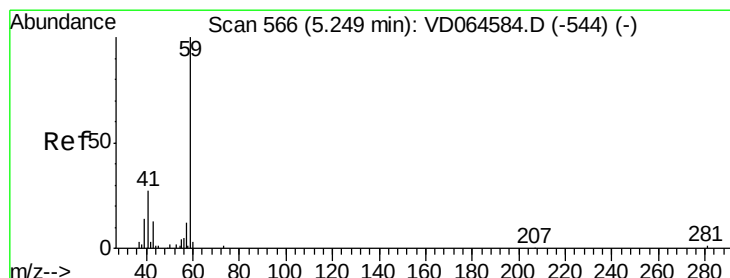
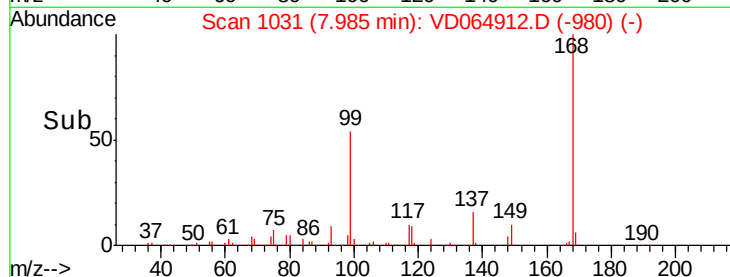
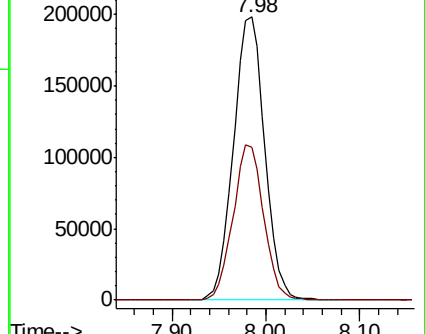
168 100

99 54.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 3.276 ug/l

RT: 5.23 min Scan# 562

Delta R.T. -0.02 min

Lab File: VD064912.D

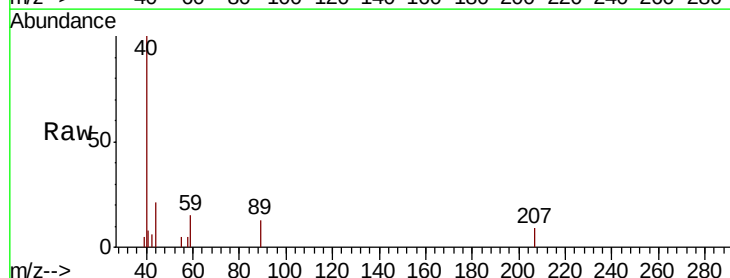
Acq: 21 Jan 2020 16:38

Tgt Ion: 59 Resp: 760

Ion Ratio Lower Upper

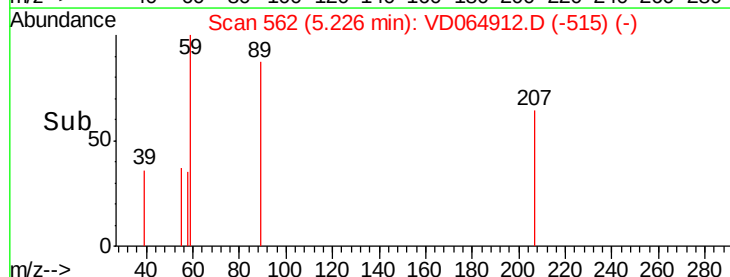
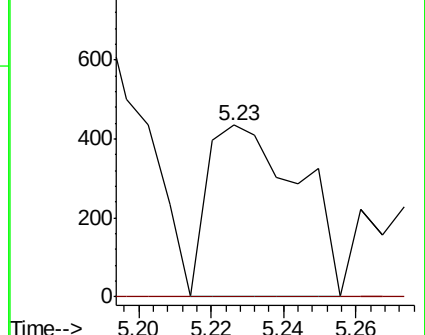
59 100

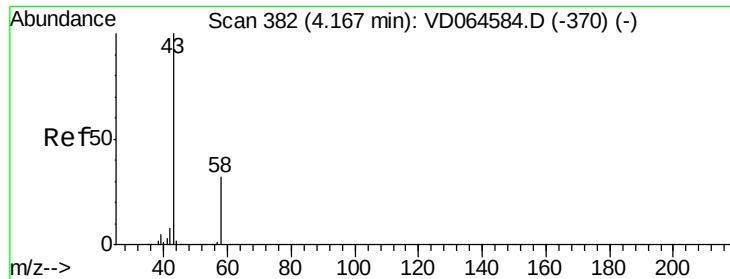
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 11.140 ug/l

RT: 4.19 min Scan# 385

Delta R.T. 0.02 min

Lab File: VD064912.D

Acq: 21 Jan 2020 16:38

Instrument :

MSVOA_D

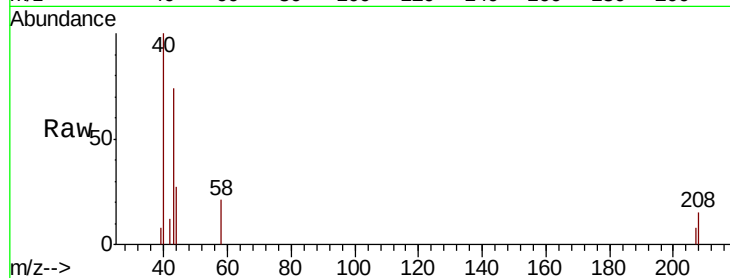
ClientSampleId :

Tot Ion: 43 Resp: 6727

Ion Ratio Lower Upper

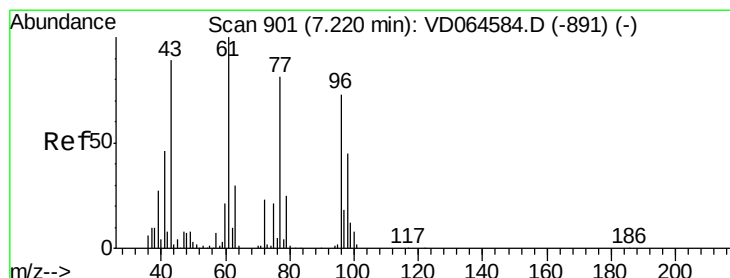
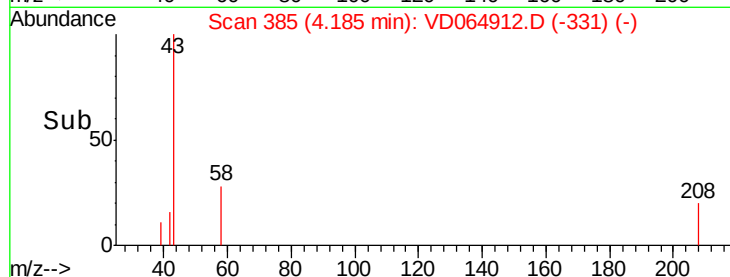
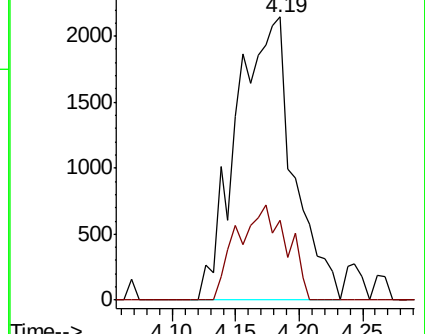
43 100

58 28.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 2.411 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064912.D

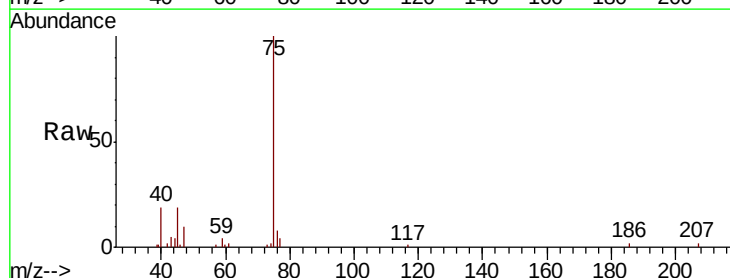
Acq: 21 Jan 2020 16:38

Tgt Ion: 43 Resp: 2683

Ion Ratio Lower Upper

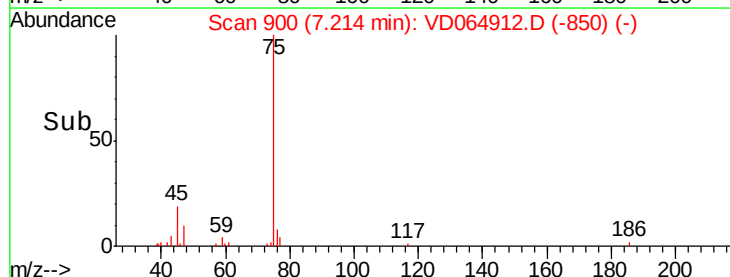
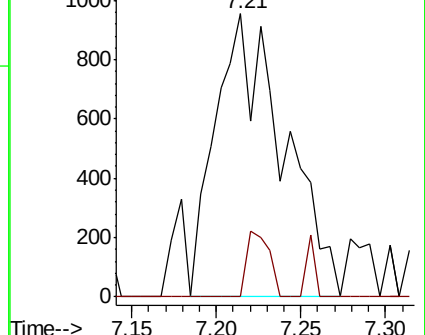
43 100

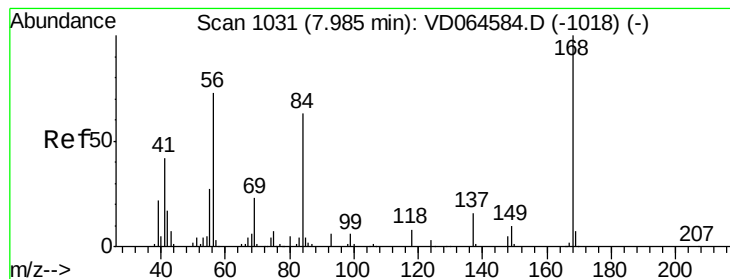
72 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.326 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064912.D

Acq: 21 Jan 2020 16:38

Instrument :

MSVOA_D

ClientSampleId :

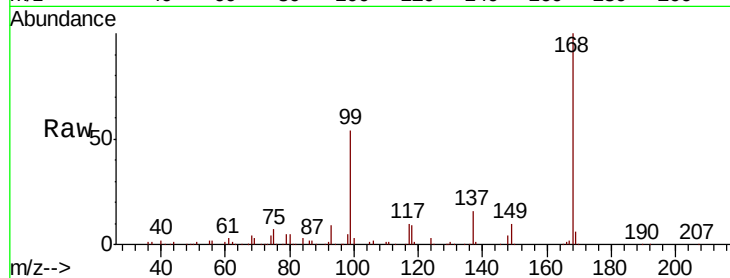
Tot Ion: 56 Resp: 10009

Ion Ratio Lower Upper

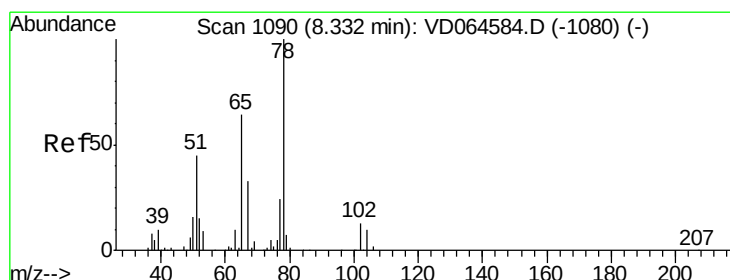
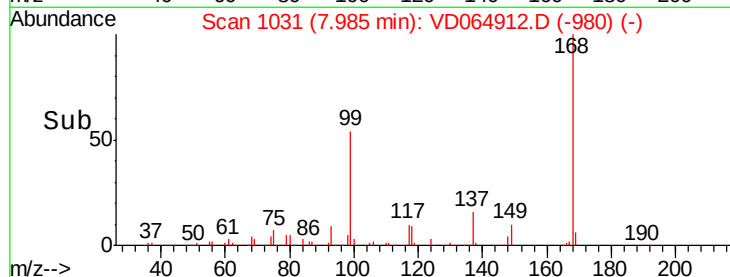
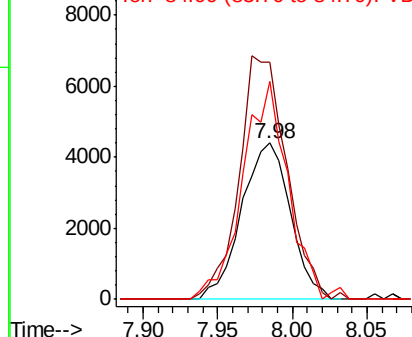
56 100

69 151.9 24.7 37.1#

84 139.3 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: 53.617 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064912.D

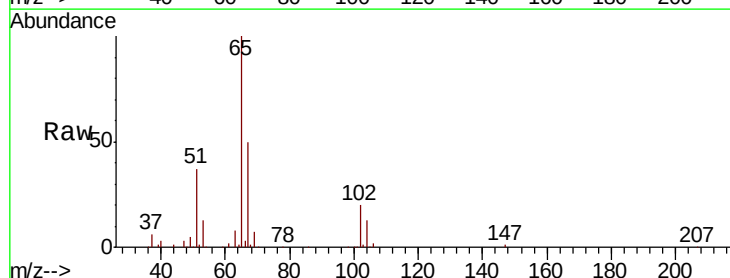
Acq: 21 Jan 2020 16:38

Tgt Ion: 65 Resp: 217023

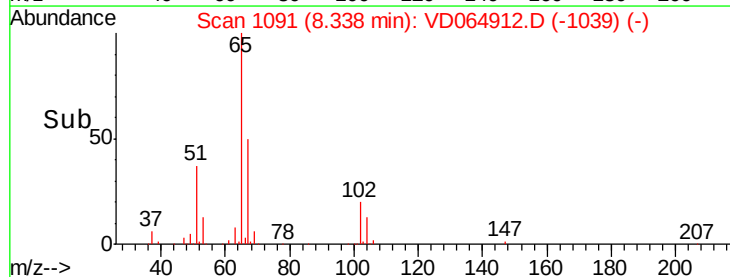
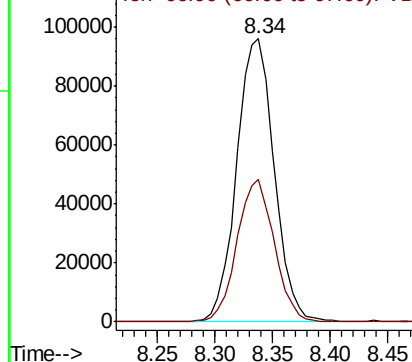
Ion Ratio Lower Upper

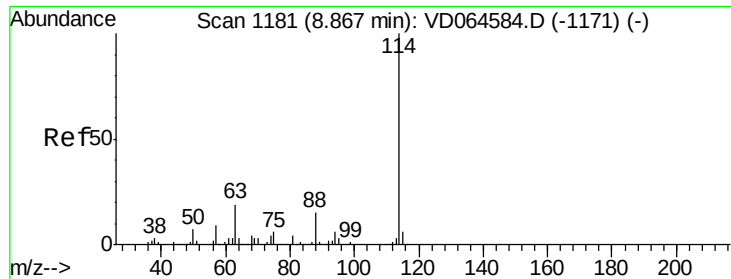
65 100

67 49.8 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

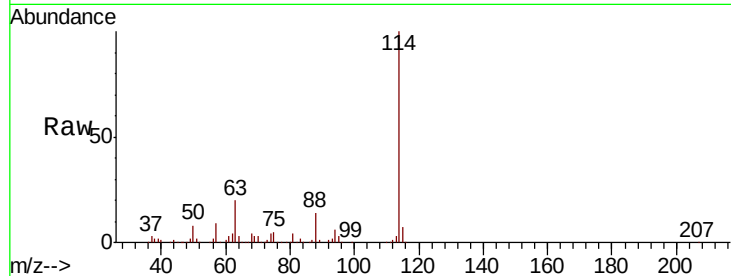




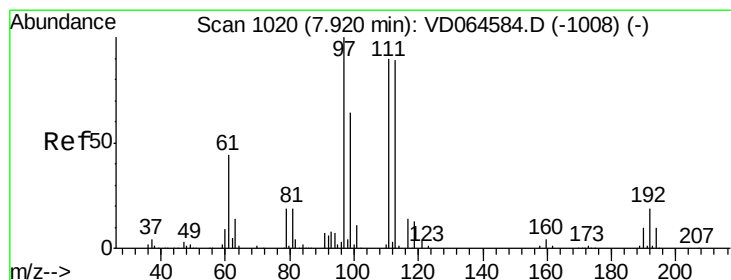
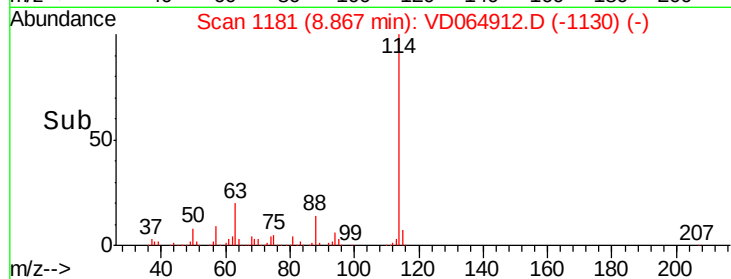
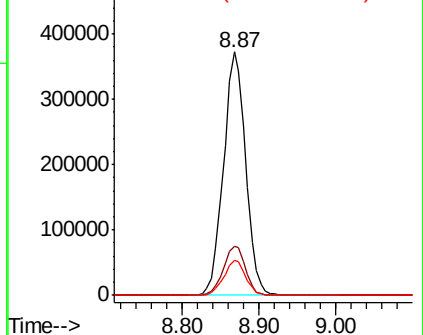
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064912.D
 Acq: 21 Jan 2020 16:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	38.0
88	14.2	0.0	29.2

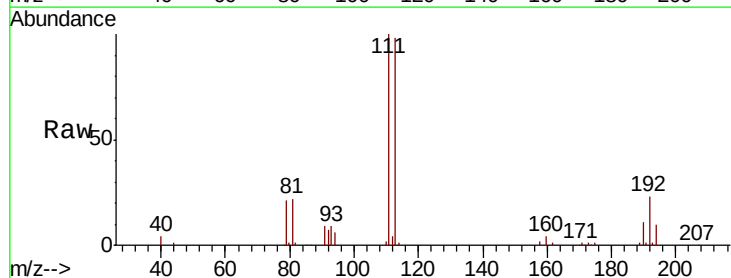


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

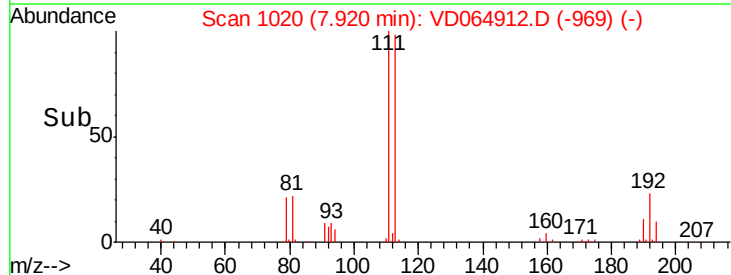
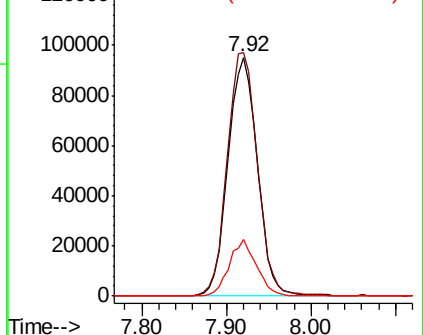


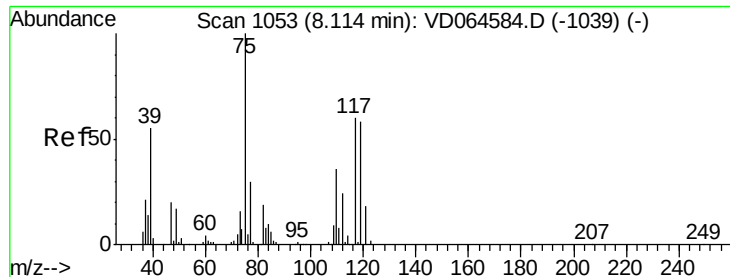
#35
 Dibromofluoromethane
 Concen: 49.888 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064912.D
 Acq: 21 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	80.6	121.0
192	21.9	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





#36

1,1-Dichloropropene

Concen: 4.991 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064912.D

Acq: 21 Jan 2020 16:38

Instrument :

MSVOA_D

ClientSampleId :

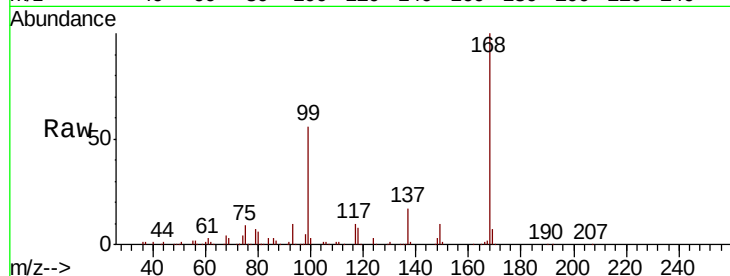
Tot Ion: 75 Resp: 35875

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.1#

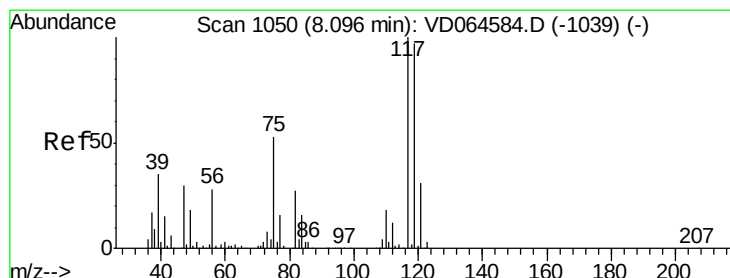
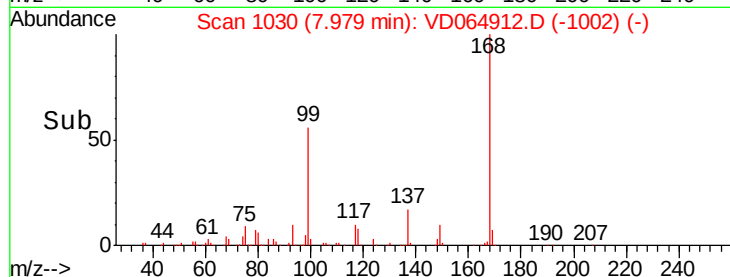
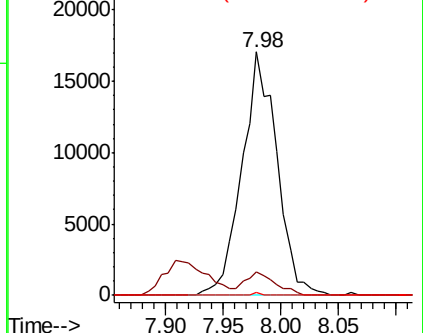
77 0.2 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VD064912.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD064912.D (-1002) (-)

Ion 76.90 (76.60 to 77.60): VD064912.D (-1039) (-)



#38

Carbon Tetrachloride

Concen: 5.642 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064912.D

Acq: 21 Jan 2020 16:38

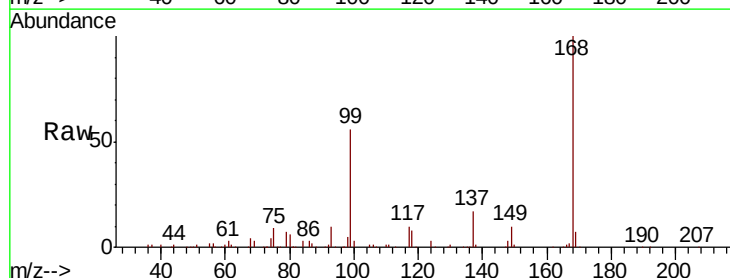
Tgt Ion: 117 Resp: 43242

Ion Ratio Lower Upper

117 100

119 3.2 77.3 115.9#

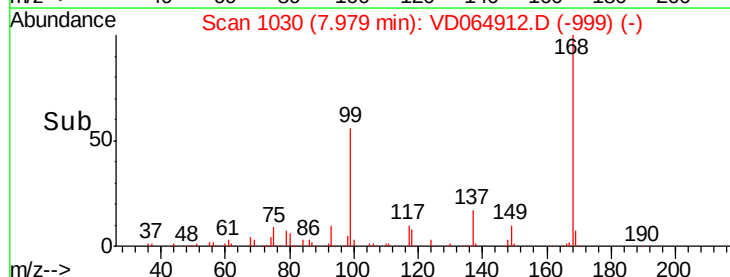
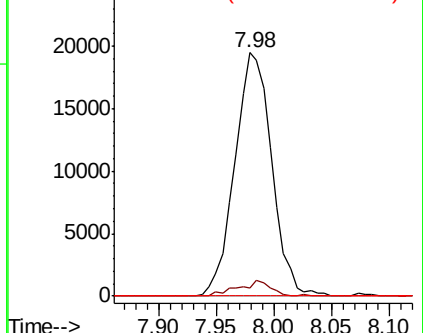
121 0.0 25.0 37.6#

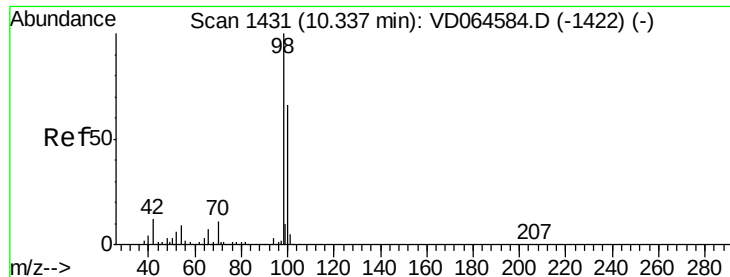


Abundance Ion 116.80 (116.50 to 117.50): VD064912.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD064912.D (-1002) (-)

Ion 120.80 (120.50 to 121.50): VD064912.D (-1039) (-)

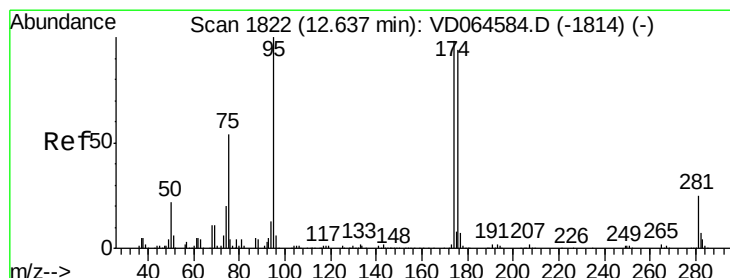
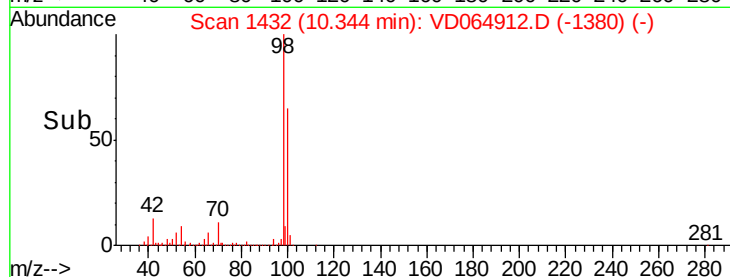
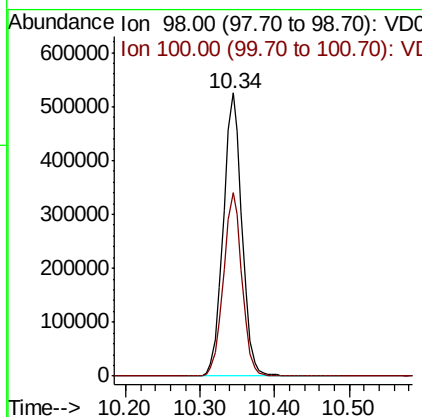
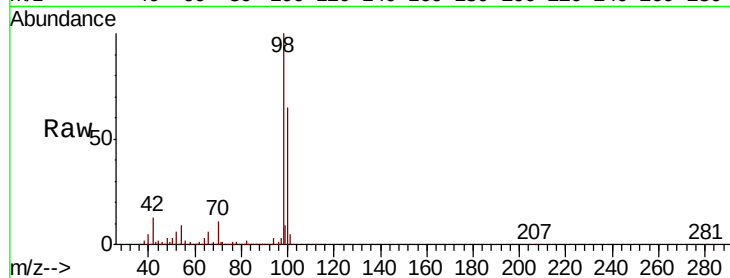




#50
Toluene-d8
Concen: 52.167 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064912.D
Acq: 21 Jan 2020 16:38

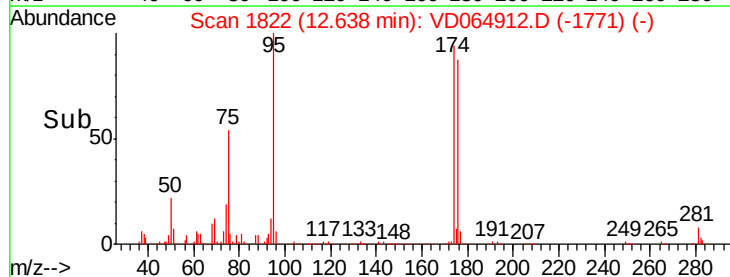
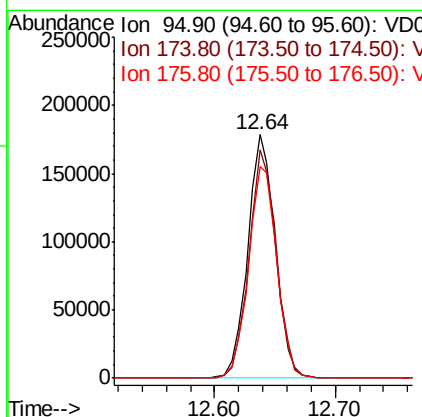
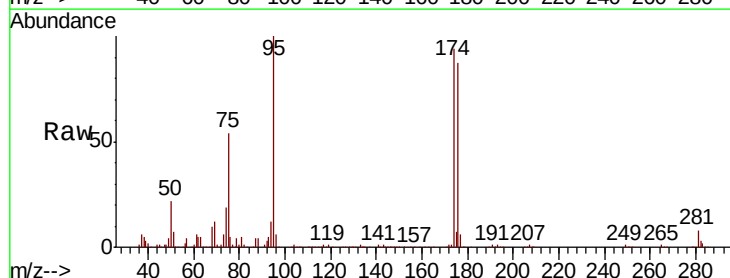
Instrument :
MSVOA_D
ClientSampleId :

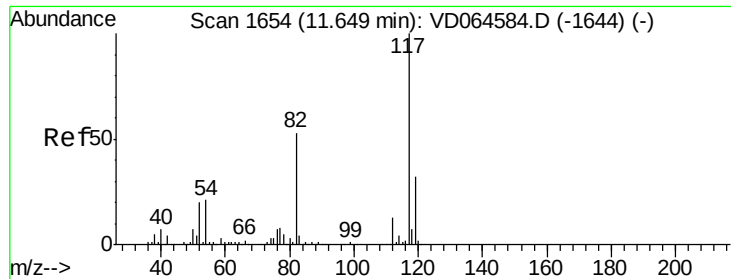
Tot Ion: 98 Resp: 915337
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 50.981 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064912.D
Acq: 21 Jan 2020 16:38

Tgt Ion: 95 Resp: 282859
Ion Ratio Lower Upper
95 100
174 93.6 0.0 193.2
176 89.8 0.0 184.2

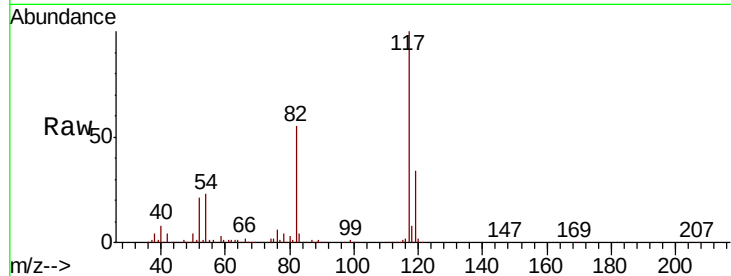




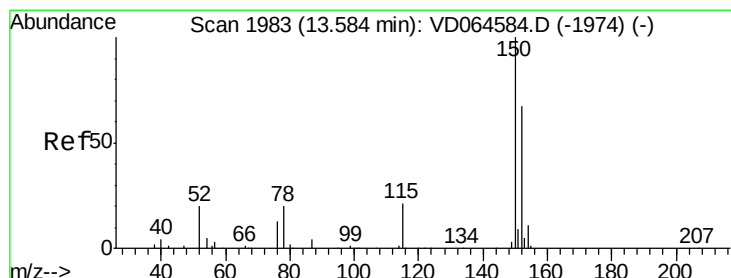
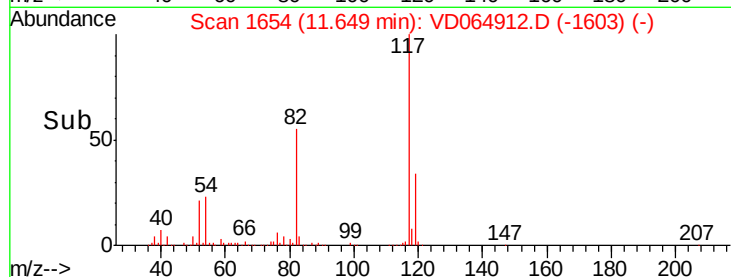
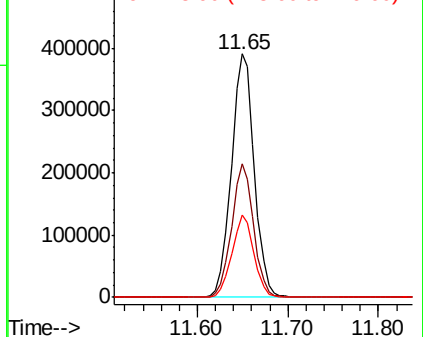
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064912.D
Acq: 21 Jan 2020 16:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 685548
Ion Ratio Lower Upper
117 100
82 54.8 42.2 63.4
119 33.9 26.0 39.0

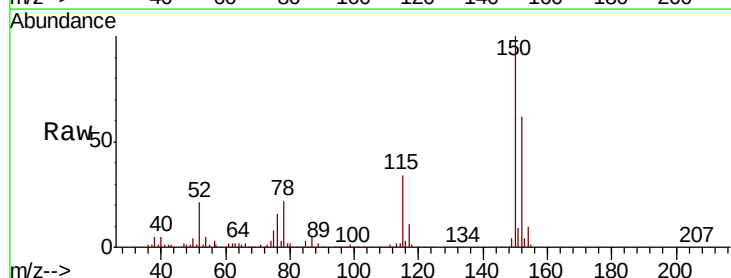


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

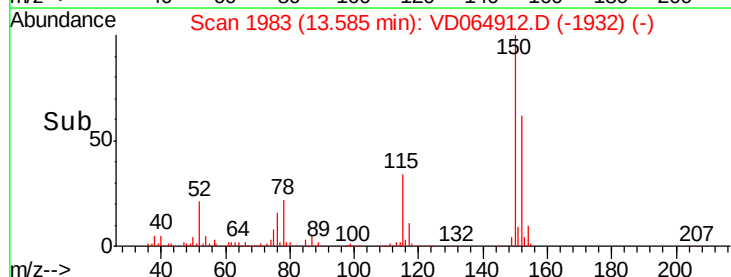
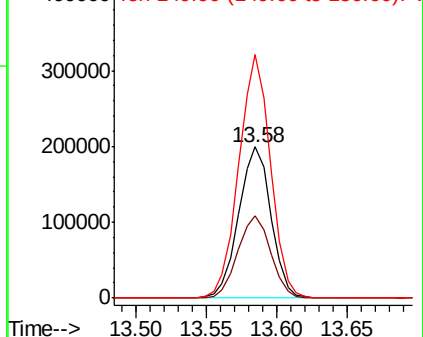


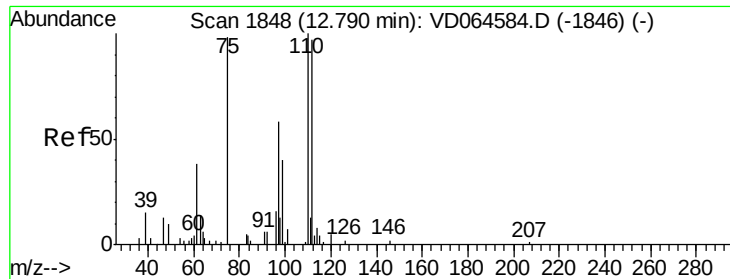
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064912.D
Acq: 21 Jan 2020 16:38

Tgt Ion:152 Resp: 319121
Ion Ratio Lower Upper
152 100
115 55.2 27.8 83.4
150 157.2 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: 61.212 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064912.D

Acq: 21 Jan 2020 16:38

Instrument :

MSVOA_D

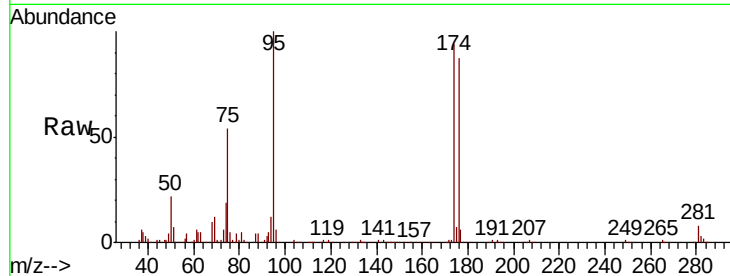
ClientSampled :

Tot Ion: 75 Resp: 154254

Ion Ratio Lower Upper

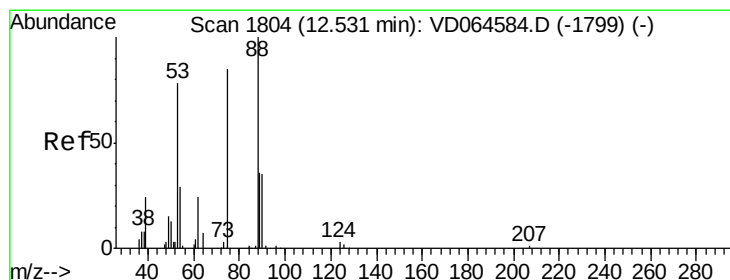
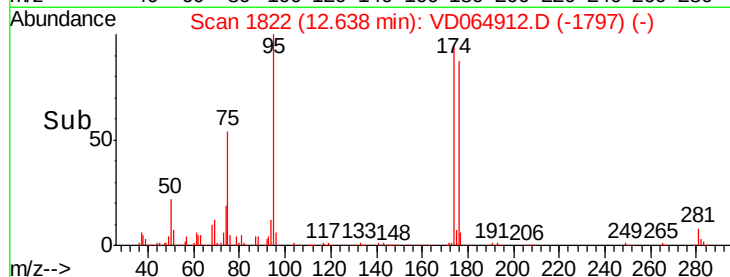
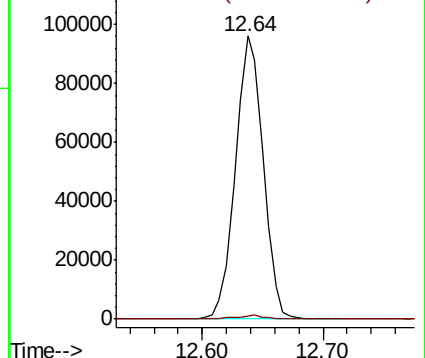
75 100

77 1.2 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: 128.024 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064912.D

Acq: 21 Jan 2020 16:38

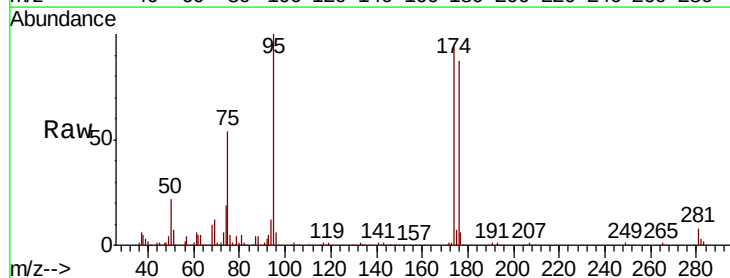
Tgt Ion: 75 Resp: 154254

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.0 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

