

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD123119\
 Data File : VD064691.D
 Acq On : 31 Dec 2019 13:22
 Operator : VA/SY
 Sample : K6455-02
 Misc : 7.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 K435-SB2

Quant Time: Jan 01 00:45:54 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

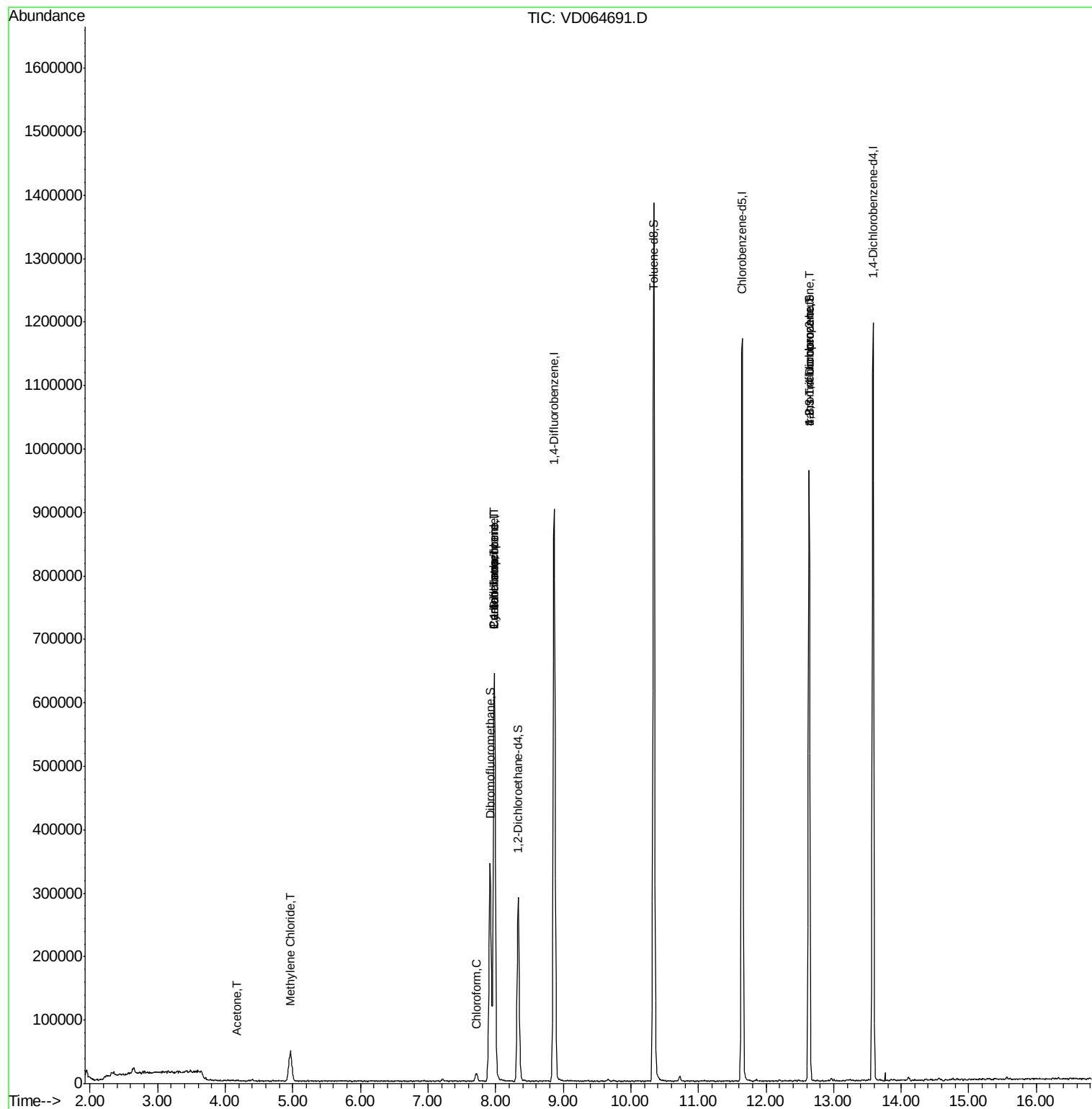
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	501476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	779443	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	687064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	318281	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	230225	52.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.12%	
35) Dibromofluoromethane	7.92	113	235882	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
50) Toluene-d8	10.34	98	928401	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.64	95	284556	49.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.28%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	748	4.900	ug/l #	42
20) Methylene Chloride	4.97	84	35589	3.305	ug/l	97
30) Chloroform	7.72	83	11543	1.336	ug/l	93
31) Cyclohexane	7.98	56	10940	1.327	ug/l #	5
36) 1,1-Dichloropropene	7.98	75	35911	4.787	ug/l #	51
38) Carbon Tetrachloride	7.98	117	47606	5.951	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	147123	58.537	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	147123	122.428	ug/l #	10

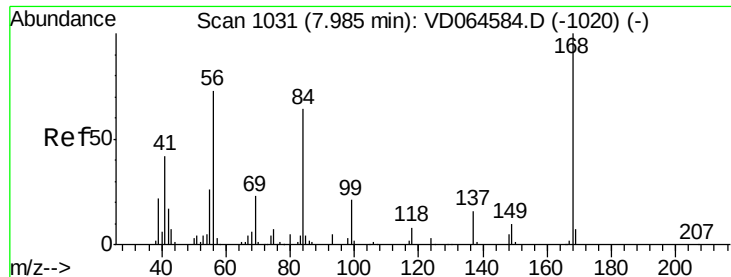
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD123119\
Data File : VD064691.D
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Misc : 7.24G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
K435-SB2

Quant Time: Jan 01 00:45:54 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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064691.D

Acq: 31 Dec 2019 13:22

Instrument :

MSVOA_D

ClientSampleId :

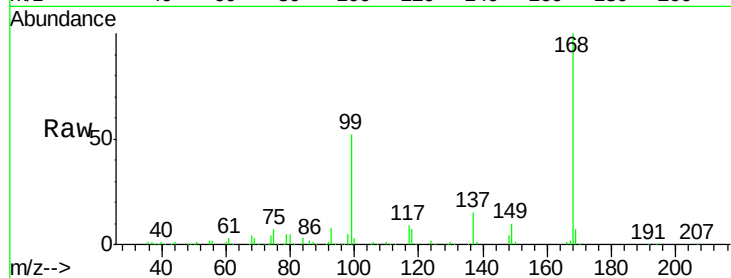
K435-SB2

Tgt Ion:168 Resp: 501476

Ion Ratio Lower Upper

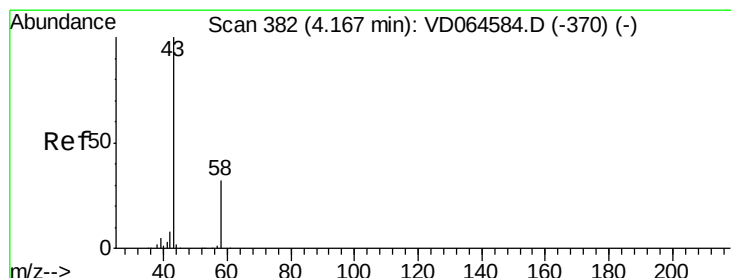
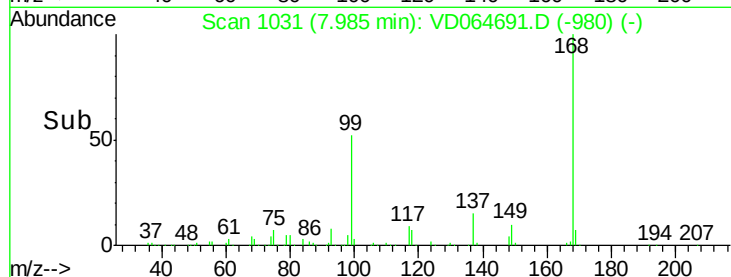
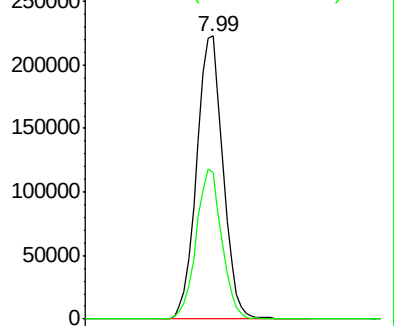
168 100

99 51.9 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: 4.900 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064691.D

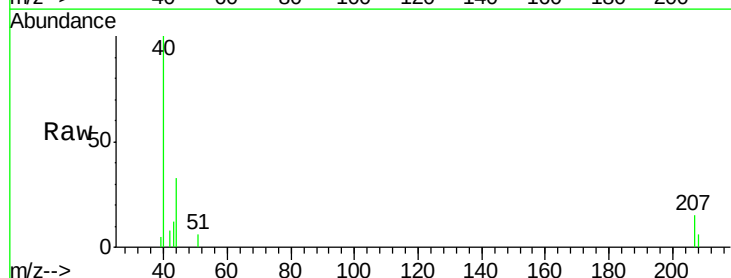
Acq: 31 Dec 2019 13:22

Tgt Ion: 43 Resp: 748

Ion Ratio Lower Upper

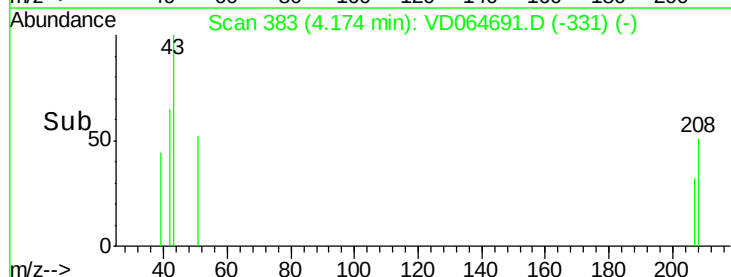
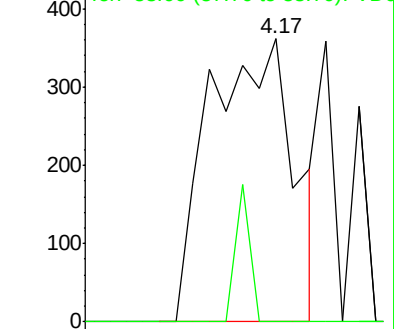
43 100

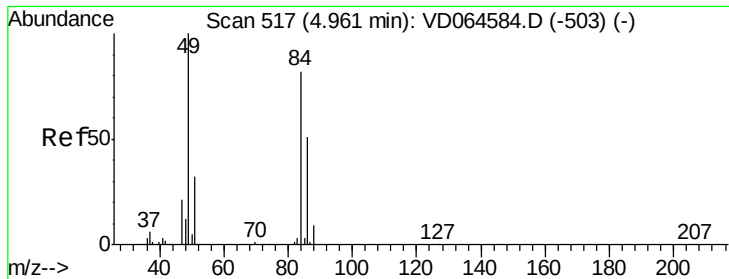
58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

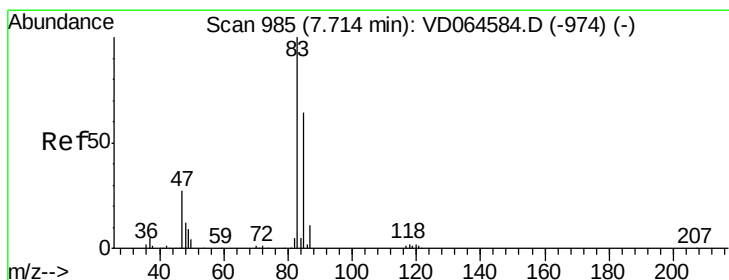
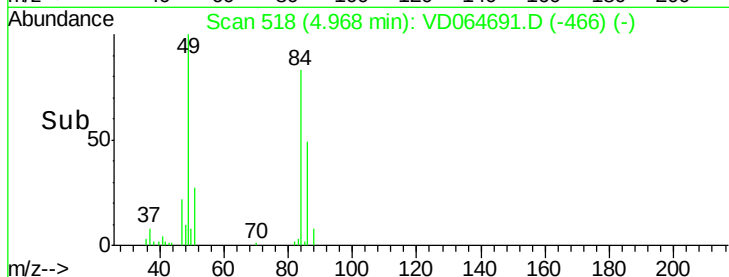
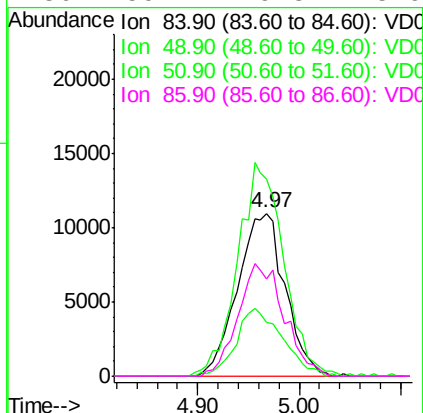
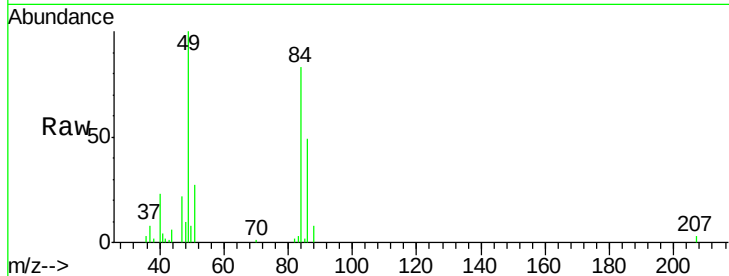




#20
Methylene Chloride
Concen: 3.305 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064691.D
Acq: 31 Dec 2019 13:22

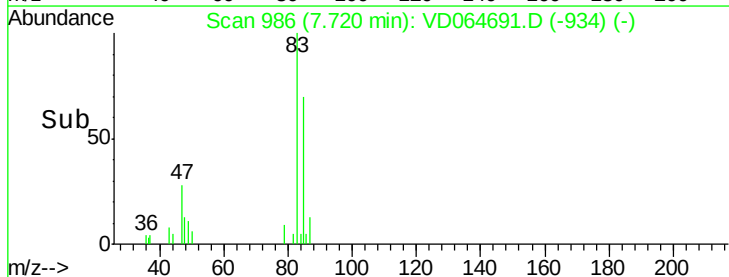
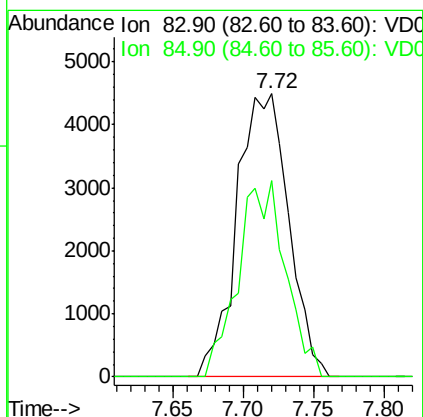
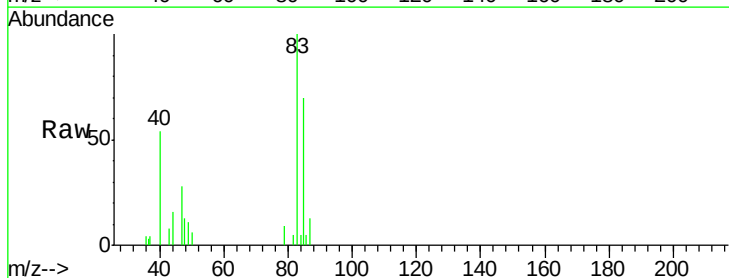
Instrument :
MSVOA_D
ClientSampleId :
K435-SB2

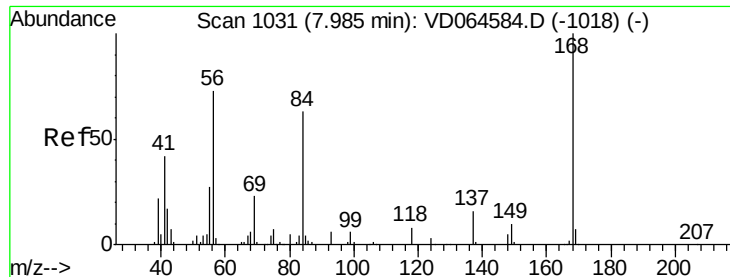
Tgt Ion: 84 Resp: 35589
Ion Ratio Lower Upper
84 100
49 121.1 97.2 145.8
51 33.0 31.4 47.0
86 59.7 49.3 73.9



#30
Chloroform
Concen: 1.336 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064691.D
Acq: 31 Dec 2019 13:22

Tgt Ion: 83 Resp: 11543
Ion Ratio Lower Upper
83 100
85 69.6 51.1 76.7





#31

Cyclohexane

Concen: 1.327 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064691.D

Acq: 31 Dec 2019 13:22

Instrument :

MSVOA_D

ClientSampleId :

K435-SB2

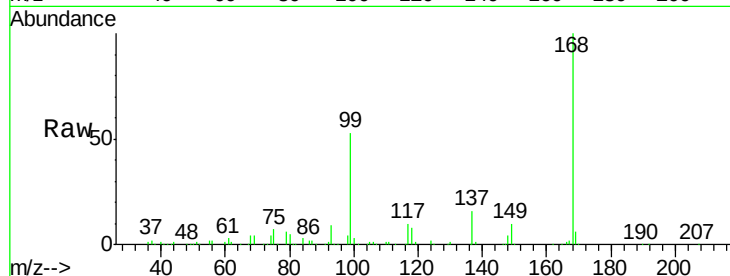
Tgt Ion: 56 Resp: 10940

Ion Ratio Lower Upper

56 100

69 160.6 24.7 37.1#

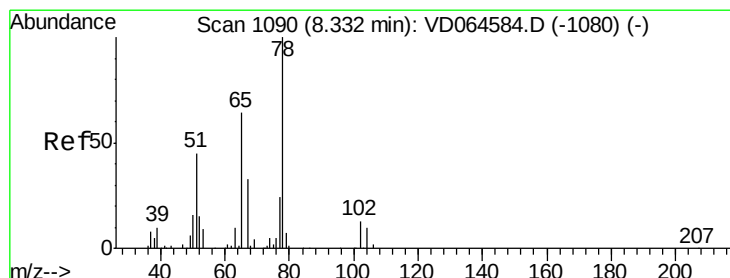
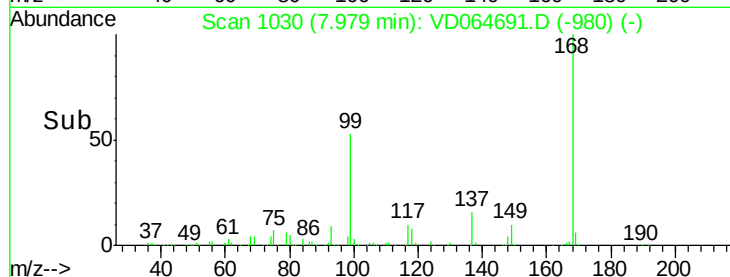
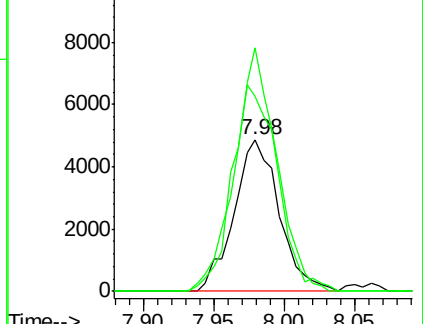
84 128.2 69.4 104.2#



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: 52.064 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064691.D

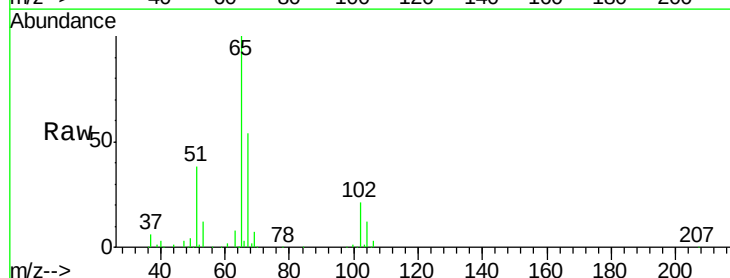
Acq: 31 Dec 2019 13:22

Tgt Ion: 65 Resp: 230225

Ion Ratio Lower Upper

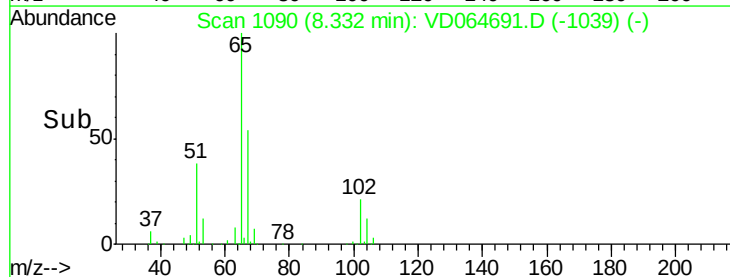
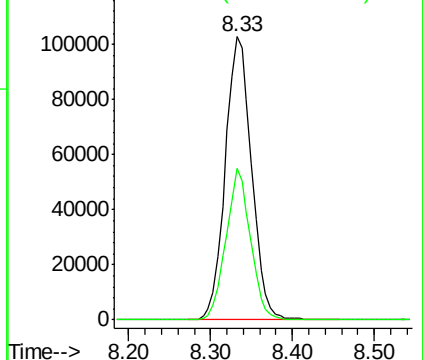
65 100

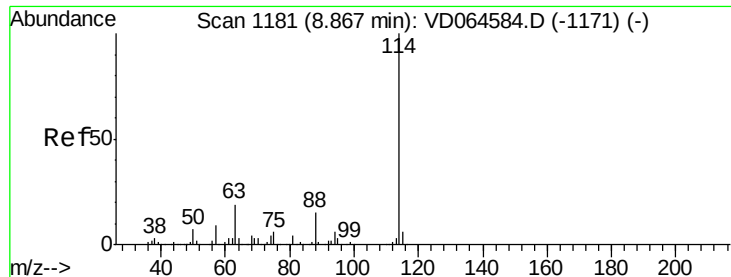
67 49.8 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

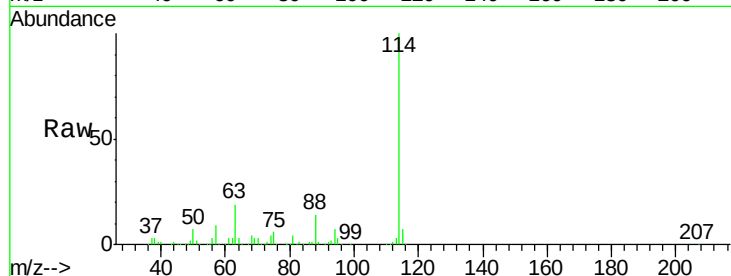




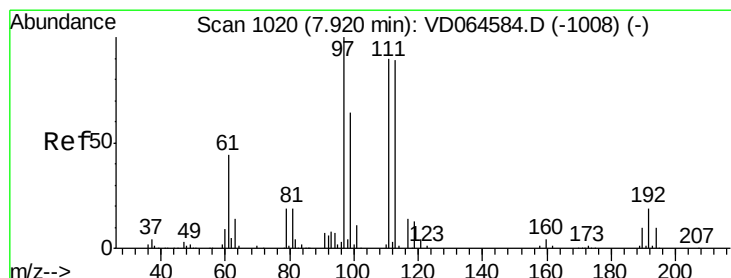
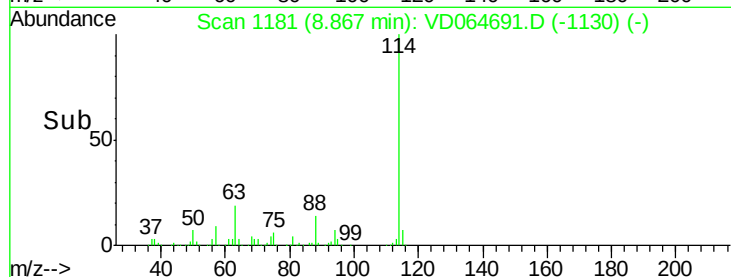
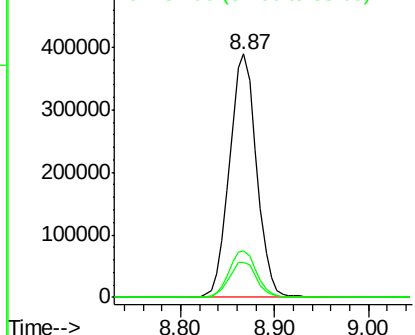
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064691.D
 Acq: 31 Dec 2019 13:22

Instrument :
 MSVOA_D
 ClientSampleId :
 K435-SB2

Tgt Ion:114 Resp: 779443
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.0
 88 14.4 0.0 29.2

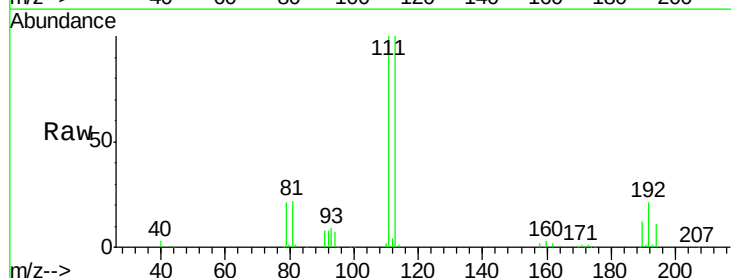


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

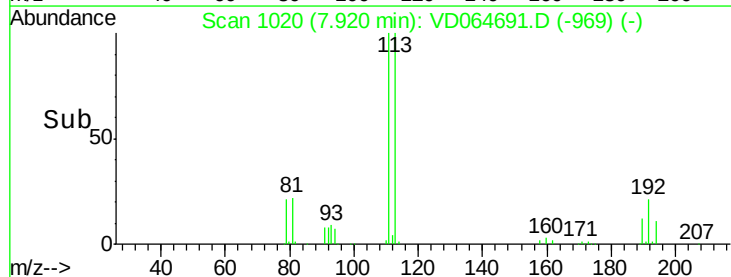
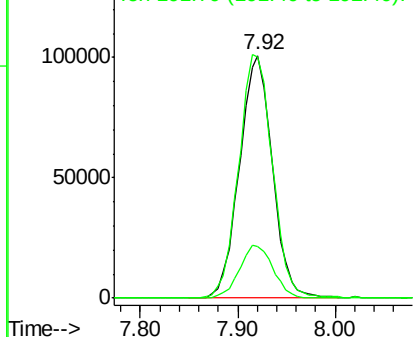


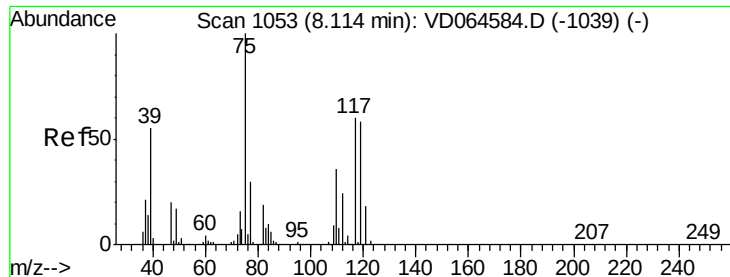
#35
 Dibromofluoromethane
 Concen: 49.327 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064691.D
 Acq: 31 Dec 2019 13:22

Tgt Ion:113 Resp: 235882
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.6 121.0
 192 22.3 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: 4.787 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD064691.D

Acq: 31 Dec 2019 13:22

Instrument :

MSVOA_D

ClientSampleId :

K435-SB2

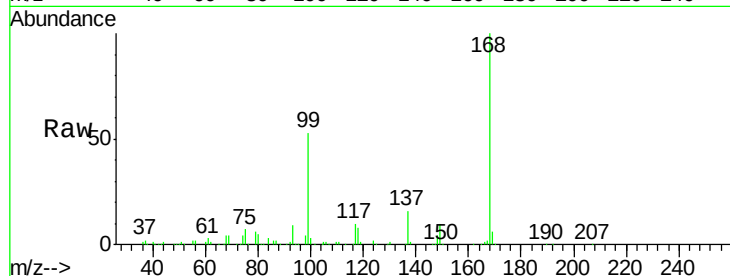
Tgt Ion: 75 Resp: 35911

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.1#

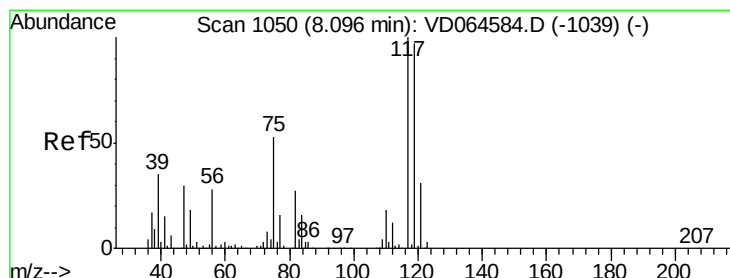
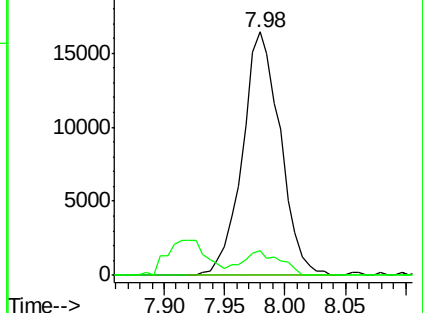
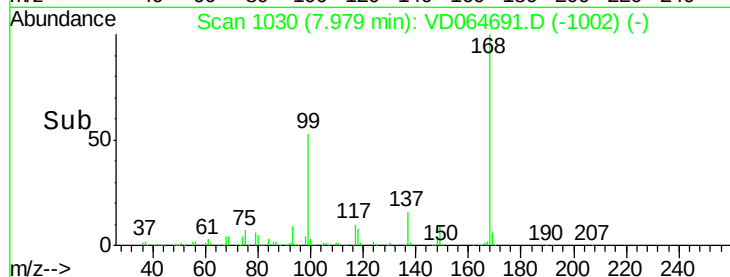
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VD064691.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD064691.D (-999) (-)

Ion 76.90 (76.60 to 77.60): VD064691.D (-999) (-)



#38

Carbon Tetrachloride

Concen: 5.951 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064691.D

Acq: 31 Dec 2019 13:22

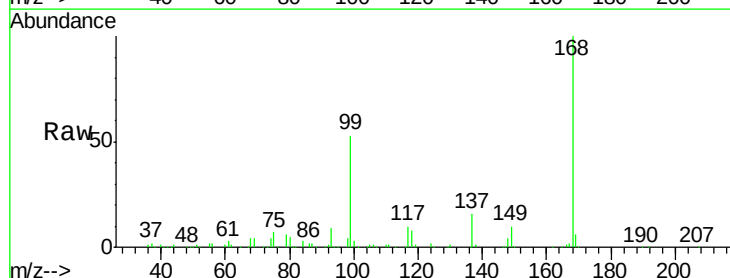
Tgt Ion: 117 Resp: 47606

Ion Ratio Lower Upper

117 100

119 5.7 77.3 115.9#

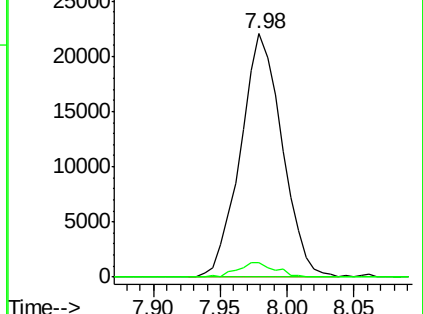
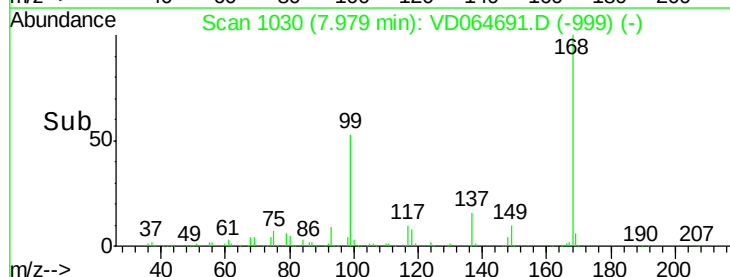
121 0.0 25.0 37.6#

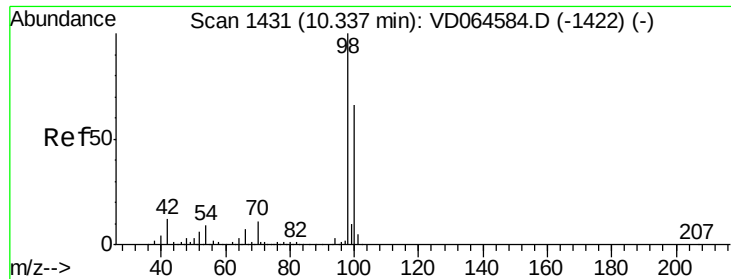


Abundance Ion 116.80 (116.50 to 117.50): VD064691.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD064691.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD064691.D (-999) (-)





#50

Toluene-d8

Concen: 50.692 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064691.D

Acq: 31 Dec 2019 13:22

Instrument :

MSVOA_D

ClientSampleId :

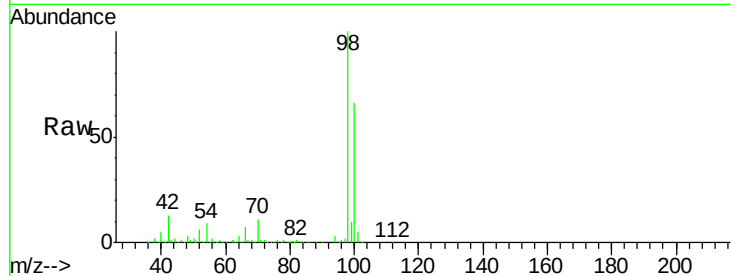
K435-SB2

Tgt Ion: 98 Resp: 928401

Ion Ratio Lower Upper

98 100

100 66.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

500000

400000

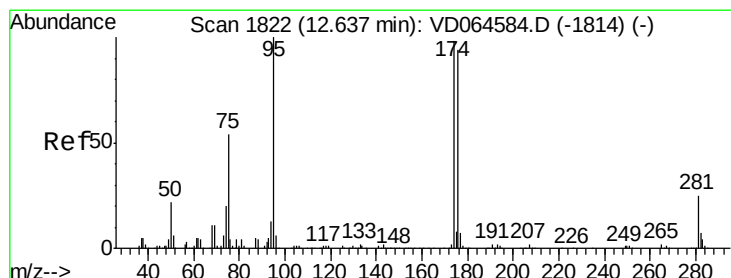
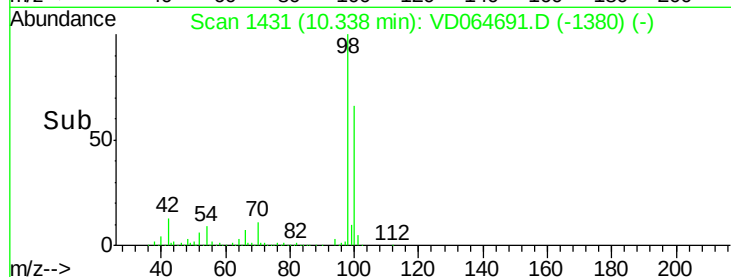
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.135 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064691.D

Acq: 31 Dec 2019 13:22

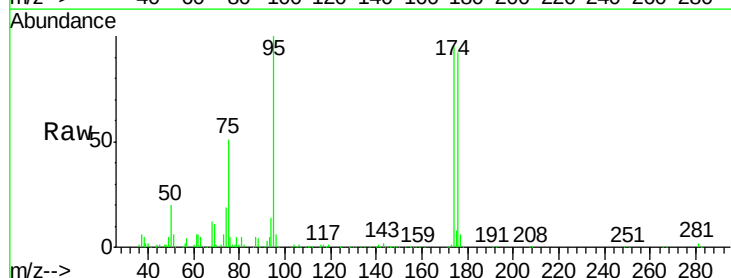
Tgt Ion: 95 Resp: 284556

Ion Ratio Lower Upper

95 100

174 95.0 0.0 193.2

176 90.1 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

200000

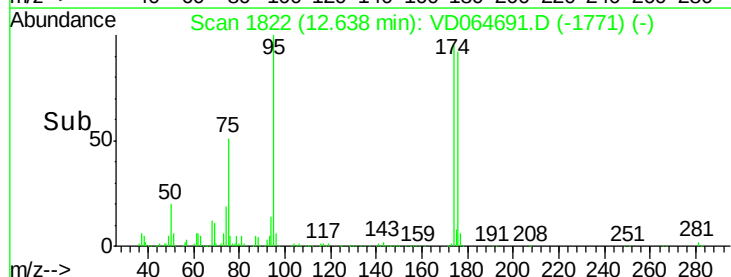
150000

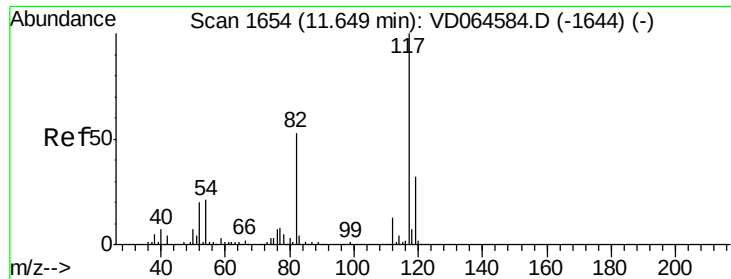
100000

50000

0

Time-->

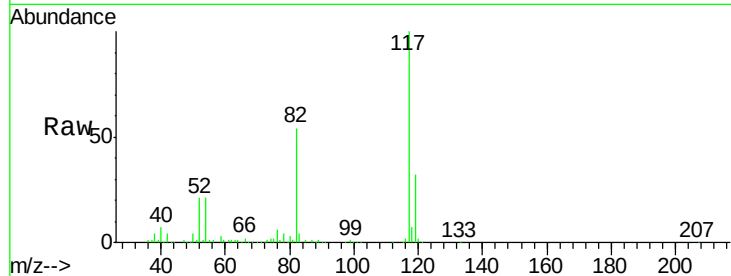




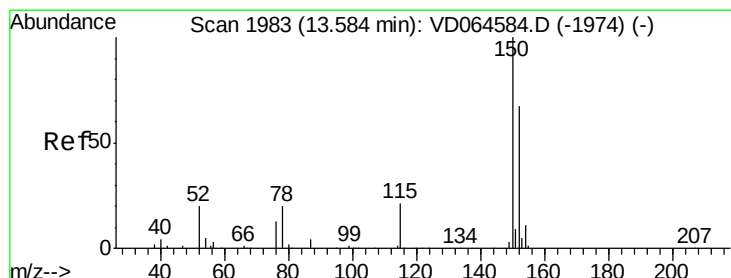
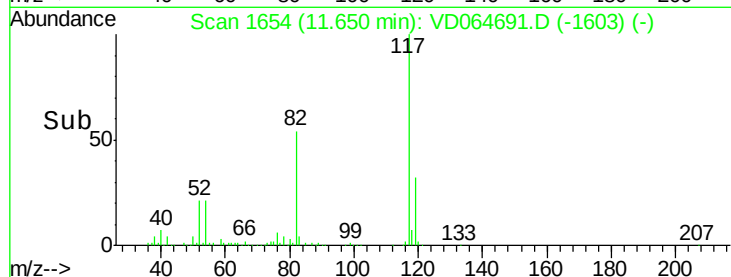
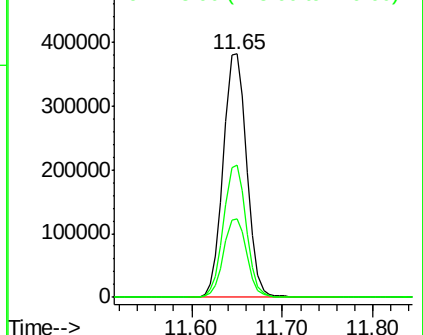
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064691.D
Acq: 31 Dec 2019 13:22

Instrument :
MSVOA_D
ClientSampleId :
K435-SB2

Tgt Ion:117 Resp: 687064
Ion Ratio Lower Upper
117 100
82 54.2 42.2 63.4
119 32.4 26.0 39.0

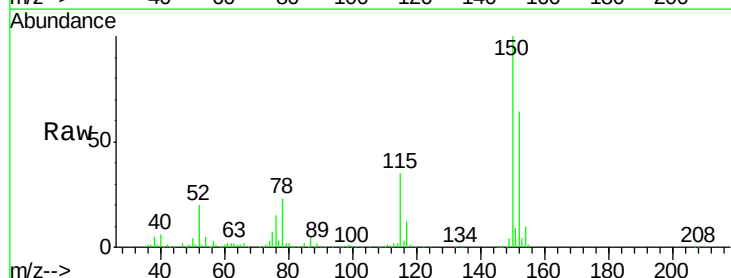


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

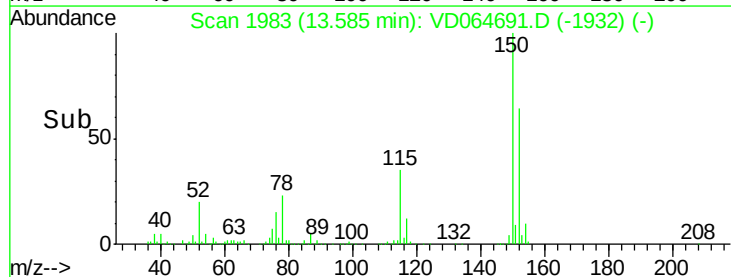
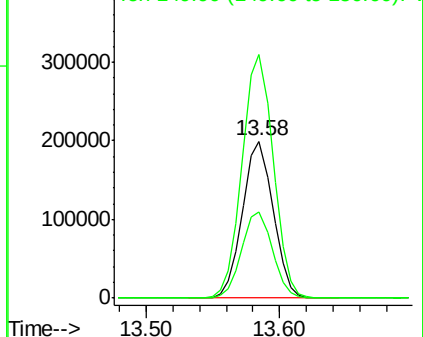


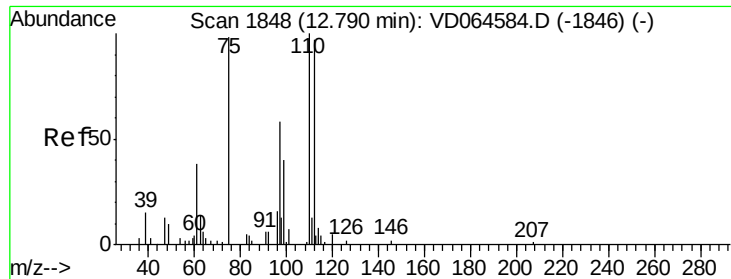
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064691.D
Acq: 31 Dec 2019 13:22

Tgt Ion:152 Resp: 318281
Ion Ratio Lower Upper
152 100
115 54.8 27.8 83.4
150 157.5 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: 58.537 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064691.D

Acq: 31 Dec 2019 13:22

Instrument :

MSVOA_D

ClientSampleId :

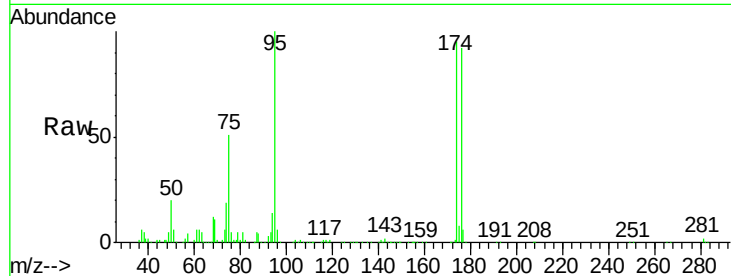
K435-SB2

Tgt Ion: 75 Resp: 147123

Ion Ratio Lower Upper

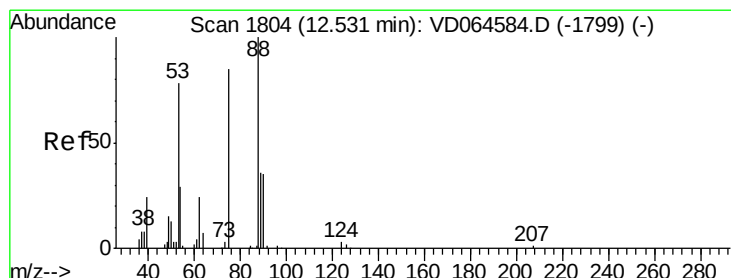
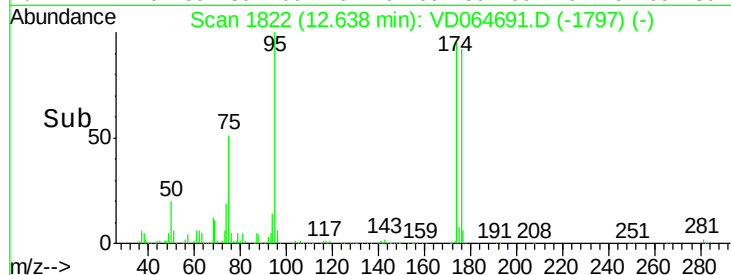
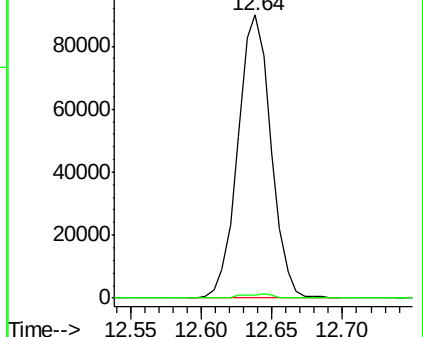
75 100

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: 122.428 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064691.D

Acq: 31 Dec 2019 13:22

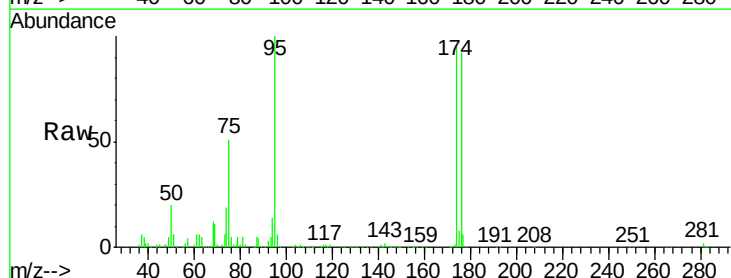
Tgt Ion: 75 Resp: 147123

Ion Ratio Lower Upper

75 100

53 0.0 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

