

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010620\
 Data File : VD064783.D
 Acq On : 06 Jan 2020 20:03
 Operator : VA/SY
 Sample : K6492-09RE
 Misc : 6.94G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 07 00:38:28 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	501415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	788683	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	711052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	330163	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	241008	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	
35) Dibromofluoromethane	7.92	113	247398	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
50) Toluene-d8	10.34	98	940901	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.64	95	292343	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	

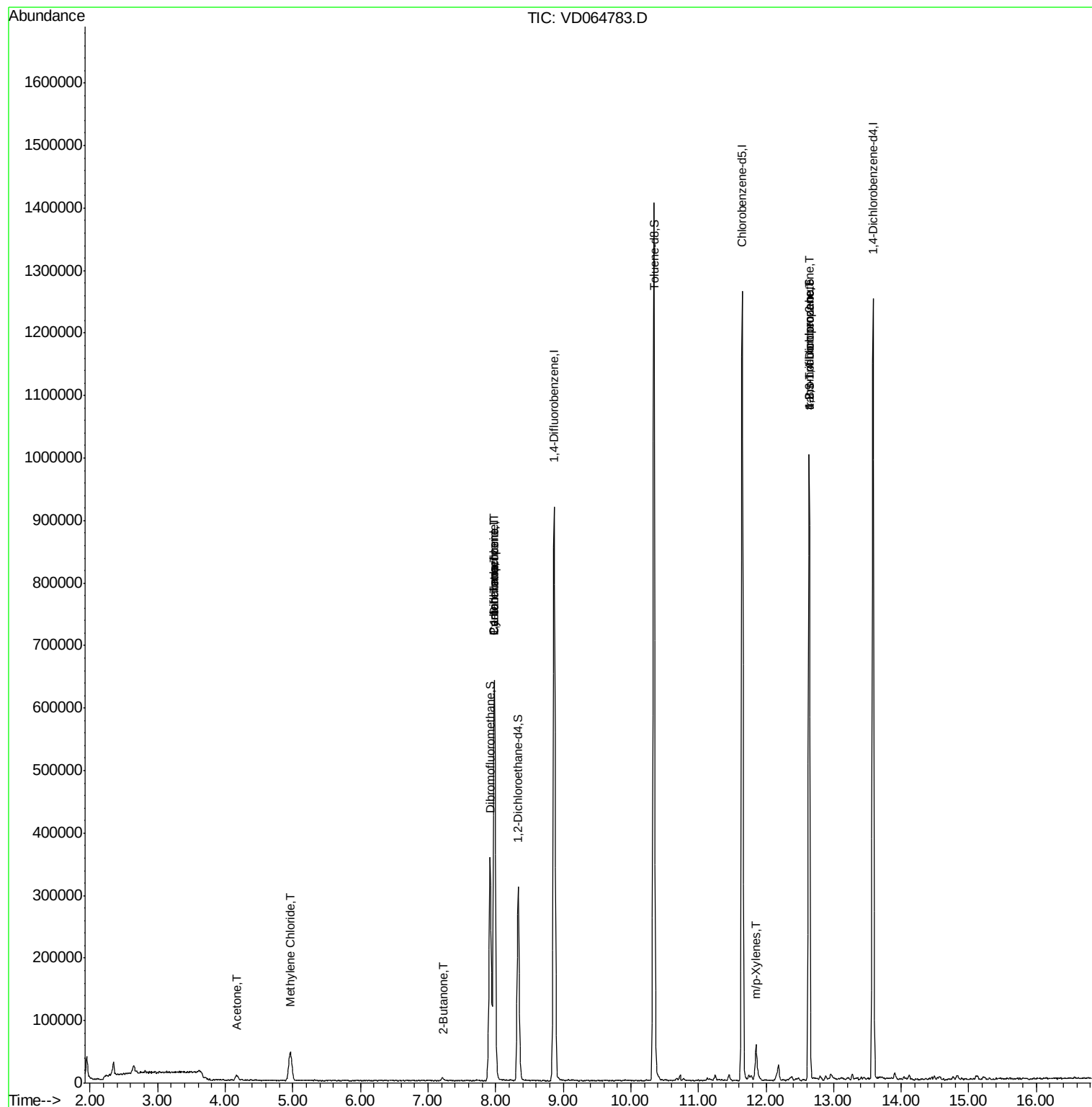
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	15478	18.875	ug/l #	86
20) Methylene Chloride	4.97	84	36859	3.618	ug/l	93
25) 2-Butanone	7.24	43	1301	1.070	ug/l #	49
31) Cyclohexane	7.98	56	10305	1.250	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	37281	4.911	ug/l #	51
38) Carbon Tetrachloride	7.98	117	47608	5.882	ug/l #	16
68) m/p-Xylenes	11.85	106	15939	1.542	ug/l	92
76) 1,2,3-Trichloropropane	12.64	75	157459	60.395	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	157459	126.313	ug/l #	10

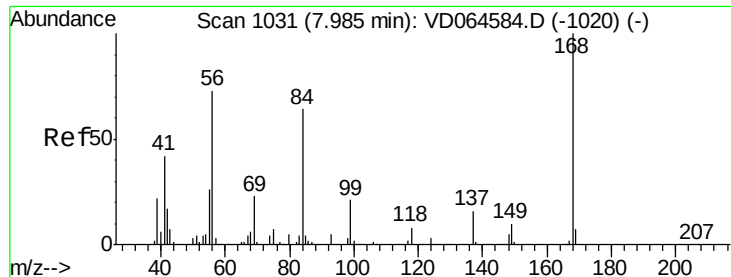
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064783.D

Acq: 06 Jan 2020 20:03

Instrument :

MSVOA_D

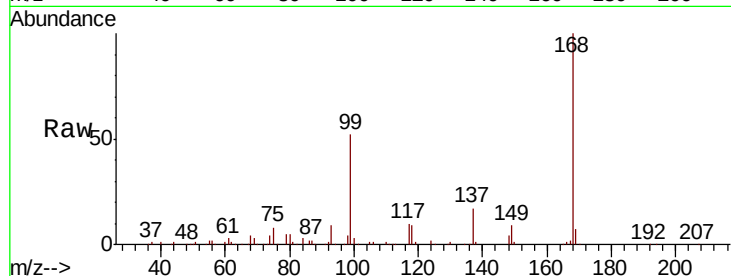
ClientSampleId :

Tot Ion:168 Resp: 501415

Ion Ratio Lower Upper

168 100

99 52.3 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

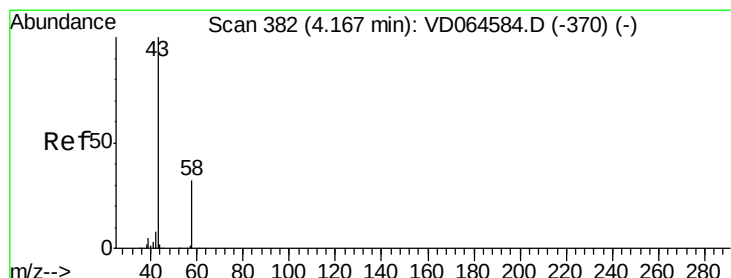
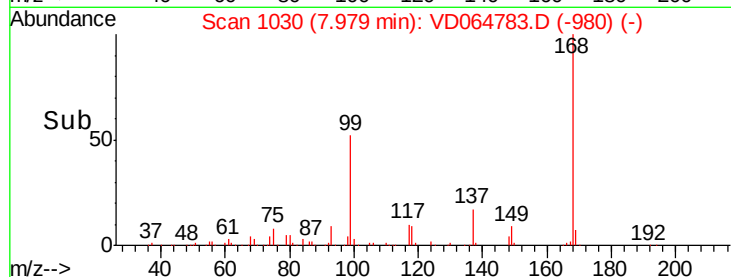
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 18.875 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064783.D

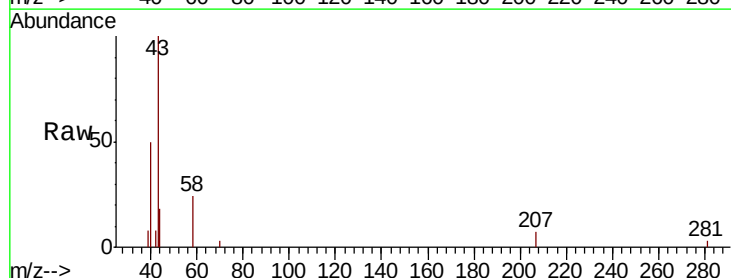
Acq: 06 Jan 2020 20:03

Tgt Ion: 43 Resp: 15478

Ion Ratio Lower Upper

43 100

58 24.5 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

6000

5000

4000

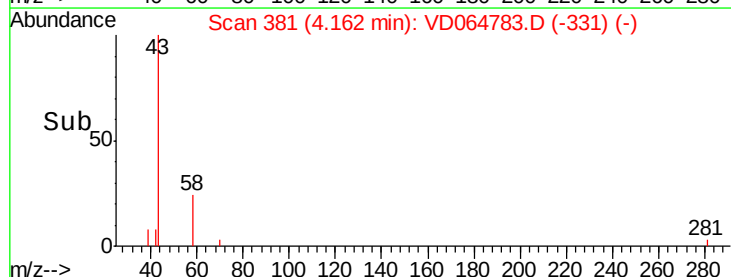
3000

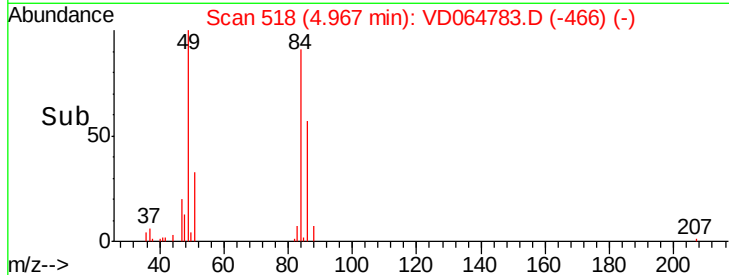
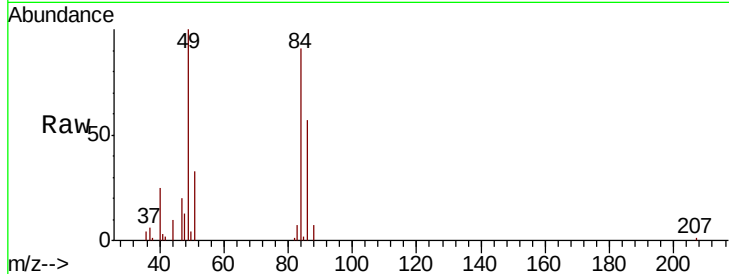
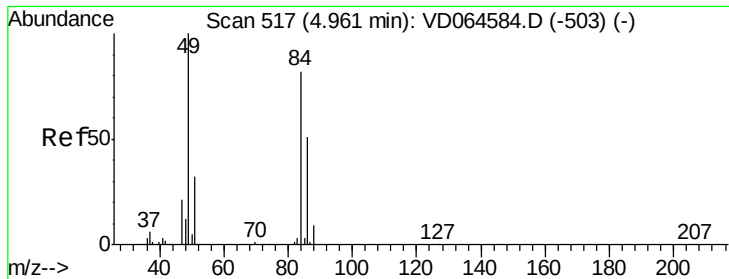
2000

1000

0

Time-->

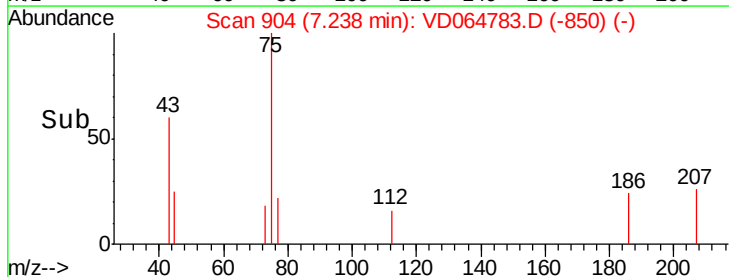
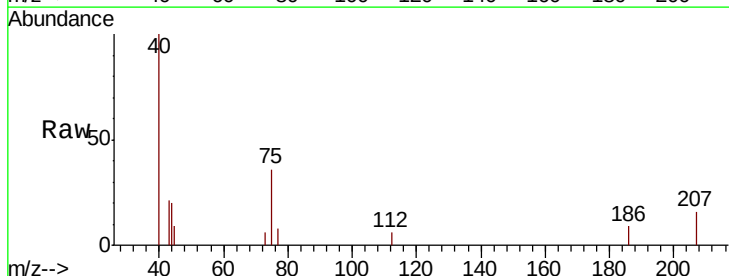
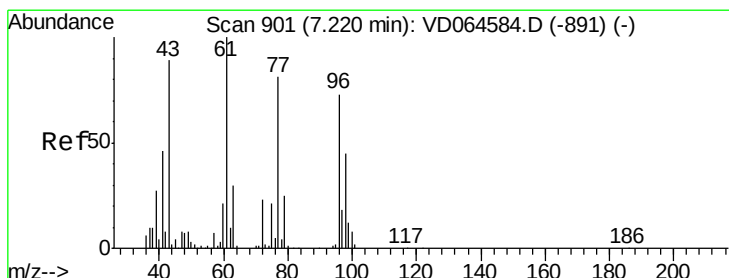
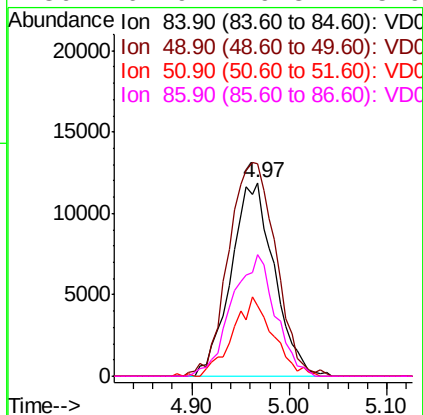




#20
Methylene Chloride
Concen: 3.618 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064783.D
Acq: 06 Jan 2020 20:03

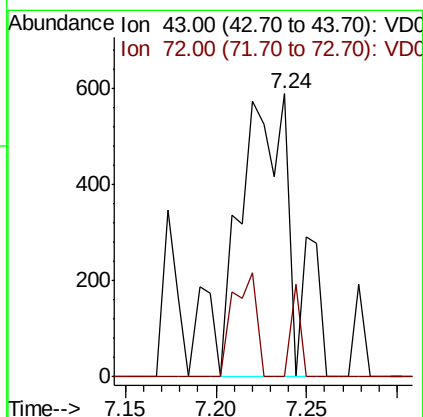
Instrument :
MSVOA_D
ClientSampleId :

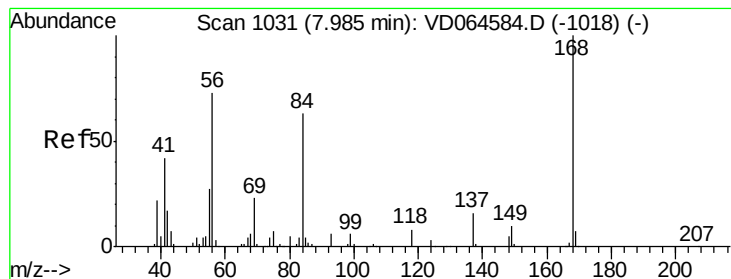
Tot Ion	84	Resp	36859
Ion	Ratio	Lower	Upper
84	100		
49	110.0	97.2	145.8
51	36.1	31.4	47.0
86	62.9	49.3	73.9



#25
2-Butanone
Concen: 1.070 ug/l
RT: 7.24 min Scan# 904
Delta R.T. 0.02 min
Lab File: VD064783.D
Acq: 06 Jan 2020 20:03

Tgt Ion	43	Resp	1301
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.7	31.1#





#31

Cyclohexane

Concen: 1.250 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064783.D

Acq: 06 Jan 2020 20:03

Instrument :

MSVOA_D

ClientSampled :

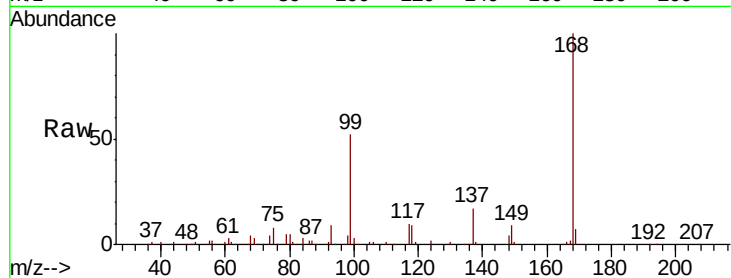
Tot Ion: 56 Resp: 10305

Ion Ratio Lower Upper

56 100

69 165.4 24.7 37.1#

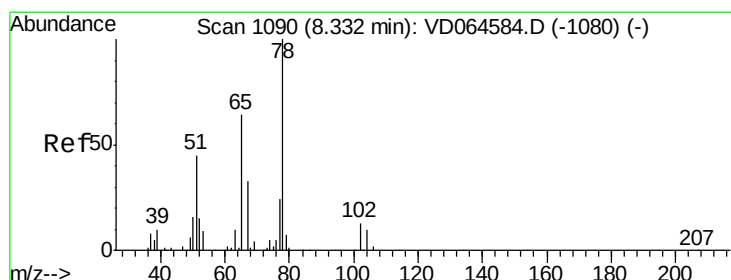
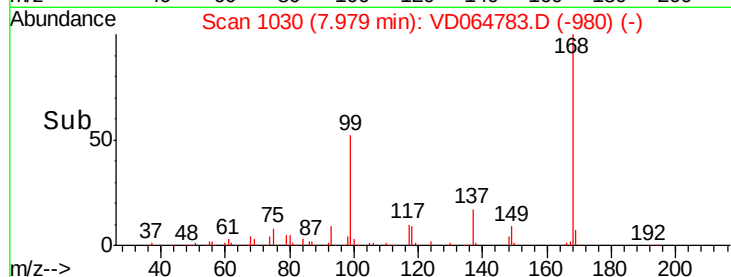
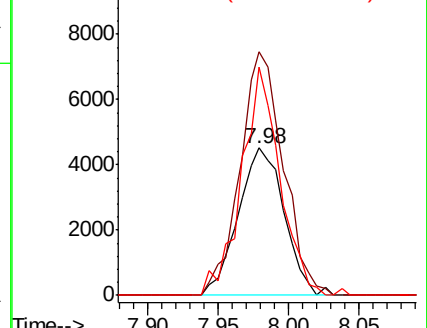
84 155.5 69.4 104.2#



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: 54.509 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064783.D

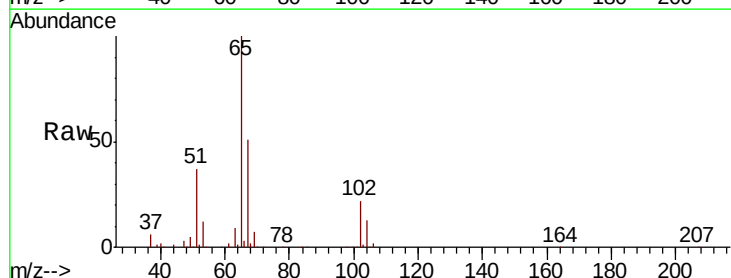
Acq: 06 Jan 2020 20:03

Tgt Ion: 65 Resp: 241008

Ion Ratio Lower Upper

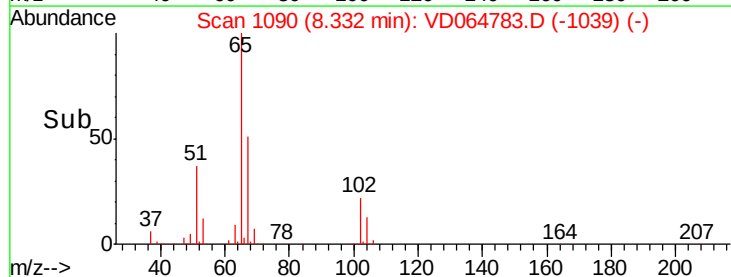
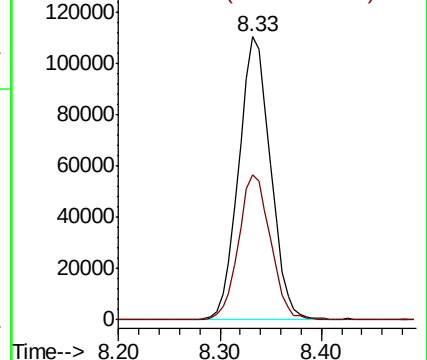
65 100

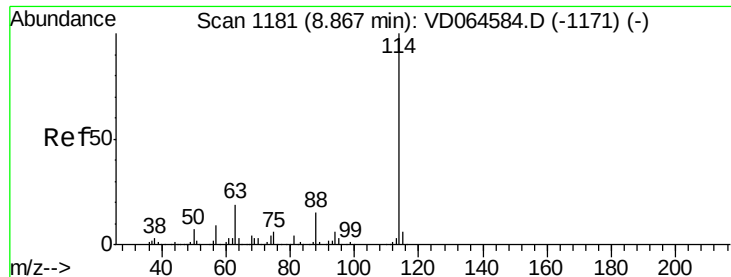
67 51.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

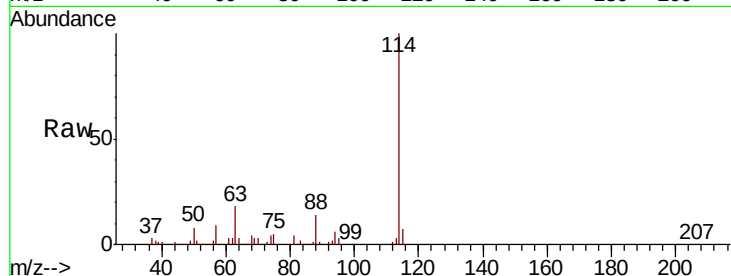




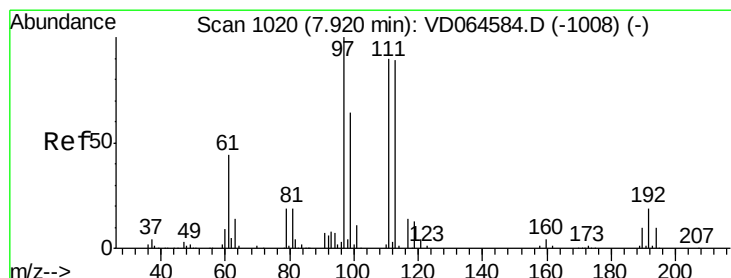
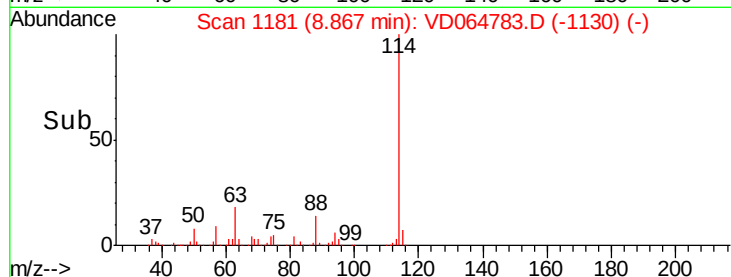
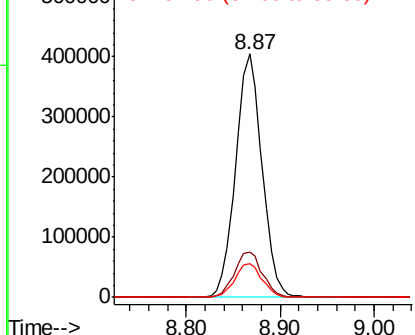
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD064783.D
Acq: 06 Jan 2020 20:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 788683
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.0
88 14.1 0.0 29.2

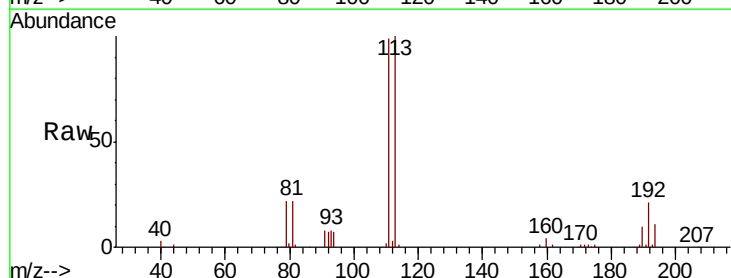


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

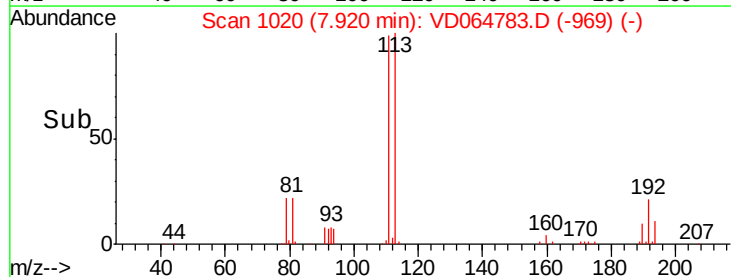
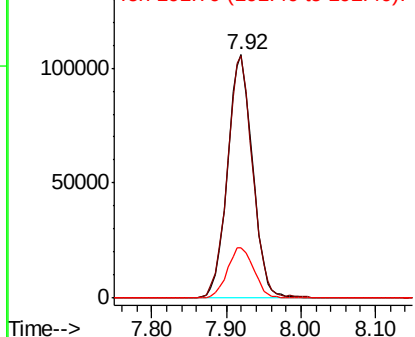


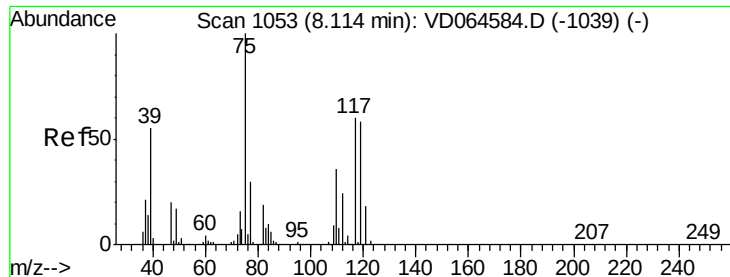
#35
Dibromofluoromethane
Concen: 51.129 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064783.D
Acq: 06 Jan 2020 20:03

Tgt Ion:113 Resp: 247398
Ion Ratio Lower Upper
113 100
111 99.9 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: 4.911 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD064783.D

Acq: 06 Jan 2020 20:03

Instrument :

MSVOA_D

ClientSampleId :

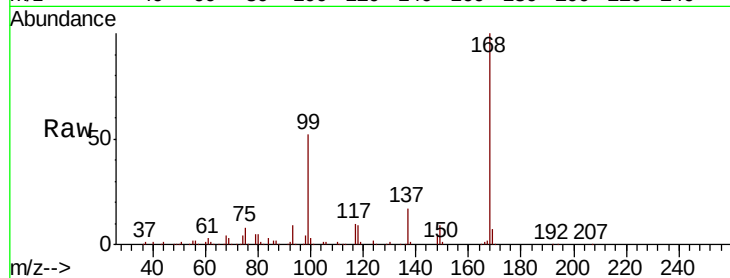
Tot Ion: 75 Resp: 37281

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.1#

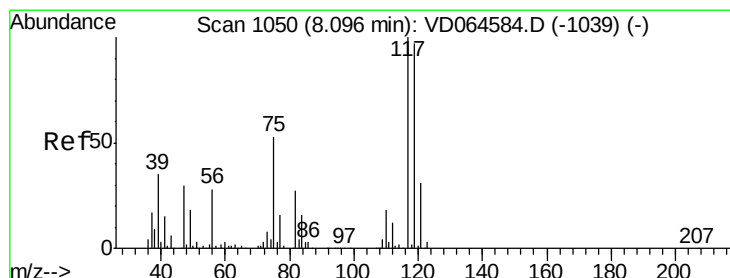
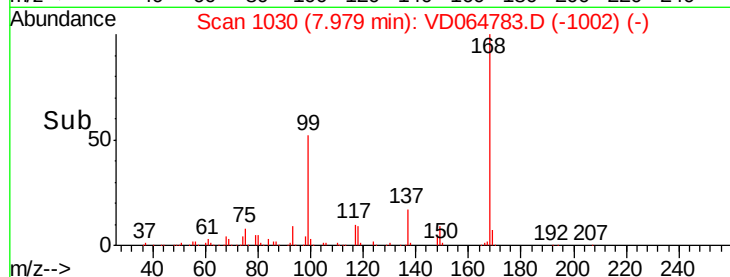
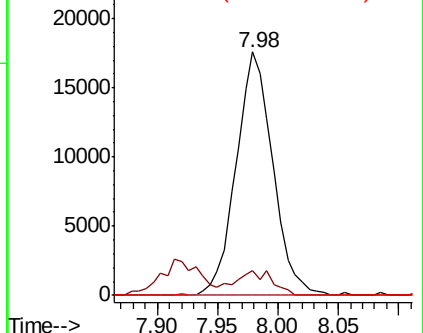
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VD064783.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD064783.D (-999) (-)

Ion 76.90 (76.60 to 77.60): VD064783.D (-999) (-)



#38

Carbon Tetrachloride

Concen: 5.882 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064783.D

Acq: 06 Jan 2020 20:03

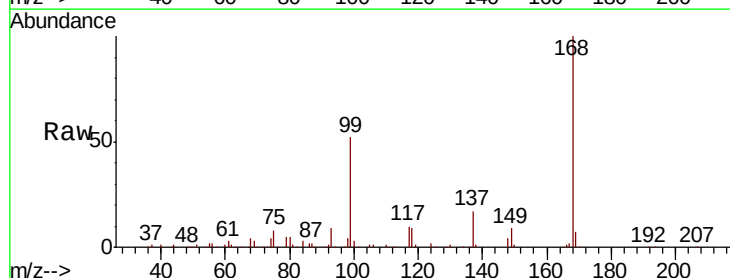
Tgt Ion: 117 Resp: 47608

Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

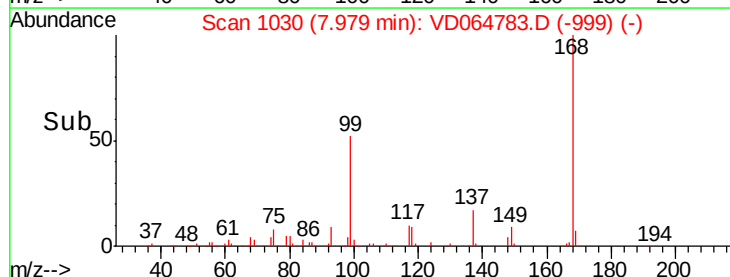
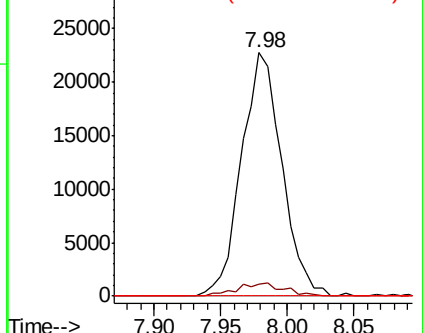
121 0.0 25.0 37.6#

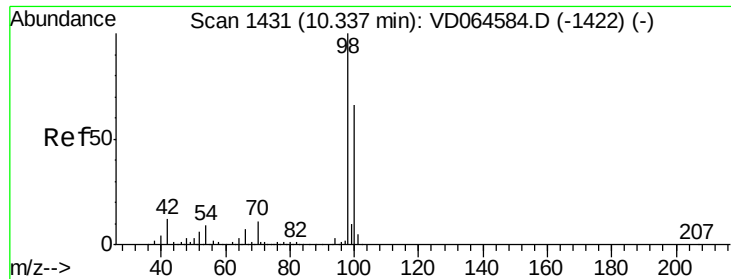


Abundance Ion 116.80 (116.50 to 117.50): VD064783.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD064783.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD064783.D (-999) (-)

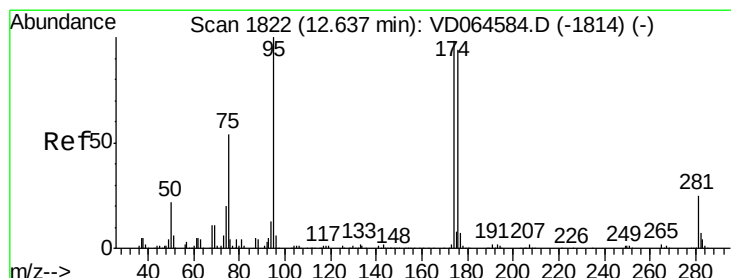
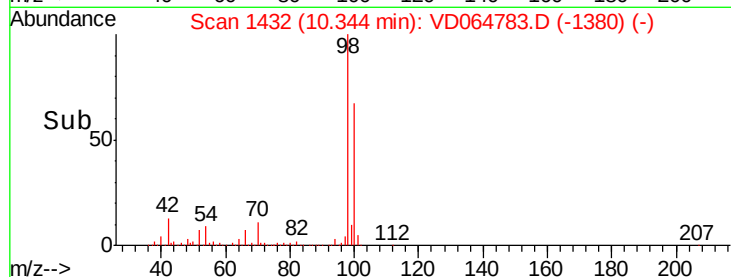
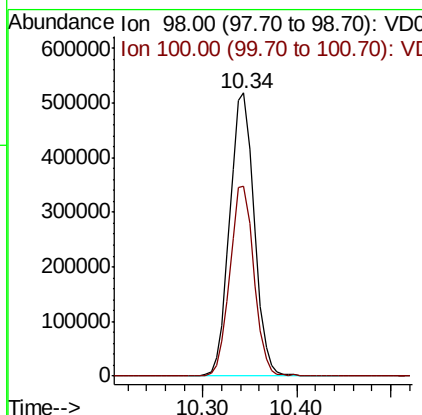
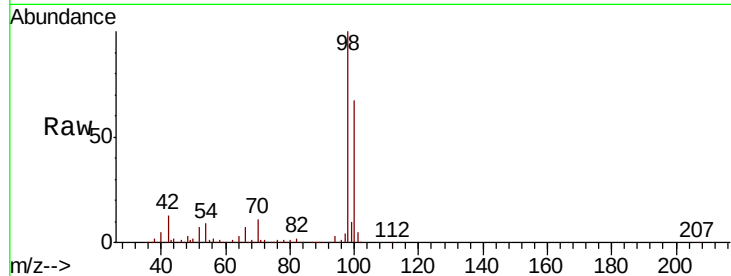




#50
Toluene-d8
Concen: 50.772 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064783.D
Acq: 06 Jan 2020 20:03

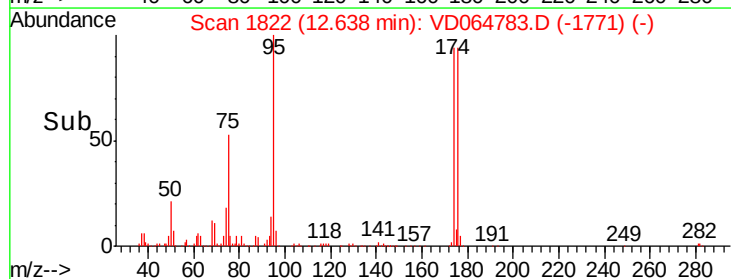
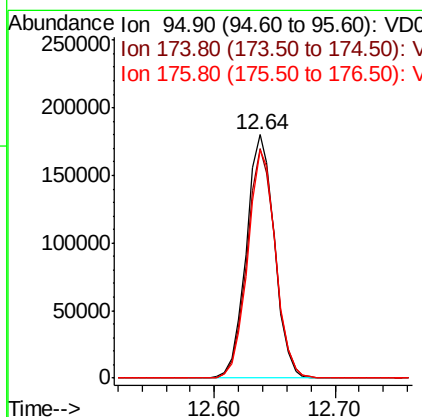
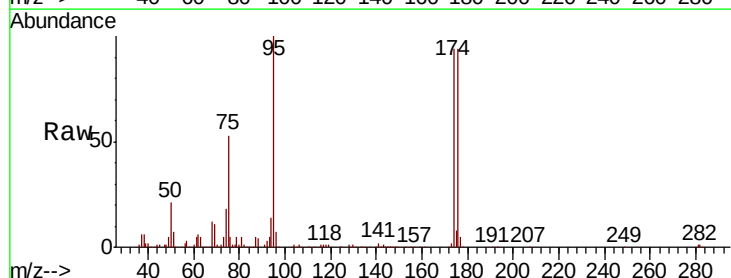
Instrument :
MSVOA_D
ClientSampled :

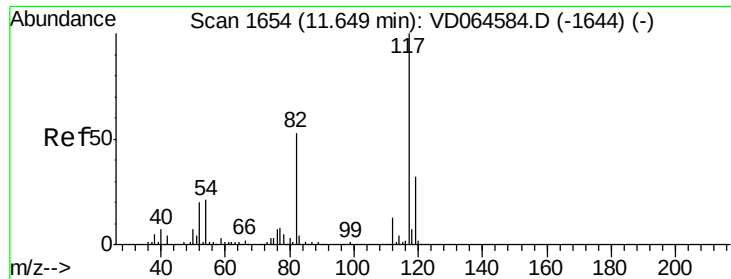
Tot Ion: 98 Resp: 940901
Ion Ratio Lower Upper
98 100
100 66.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 49.889 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064783.D
Acq: 06 Jan 2020 20:03

Tgt Ion: 95 Resp: 292343
Ion Ratio Lower Upper
95 100
174 94.8 0.0 193.2
176 92.8 0.0 184.2

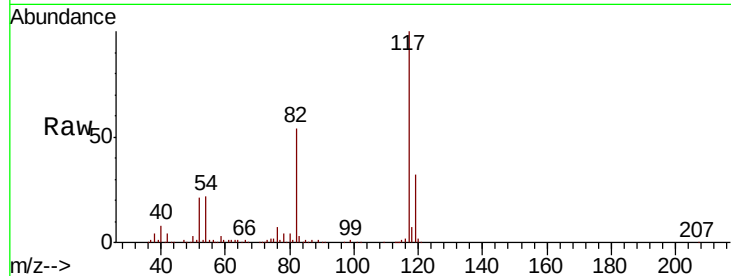




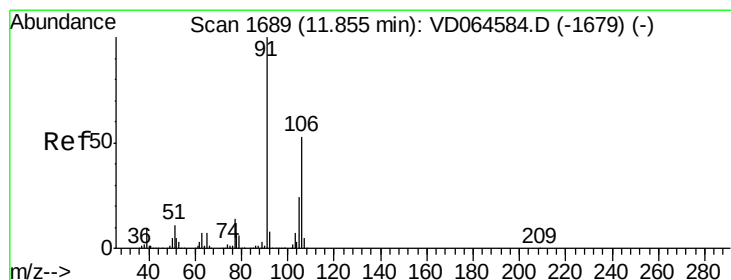
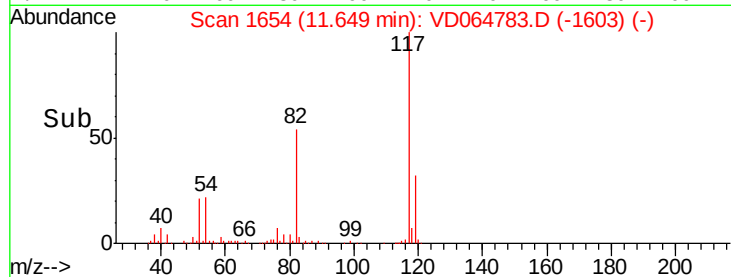
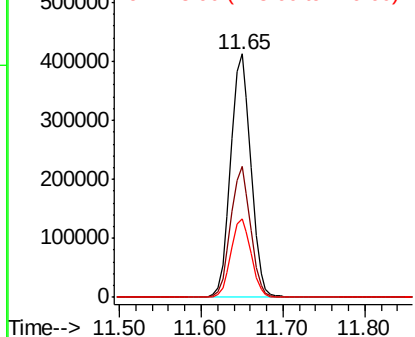
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064783.D
Acq: 06 Jan 2020 20:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 711052
Ion Ratio Lower Upper
117 100
82 53.9 42.2 63.4
119 32.3 26.0 39.0

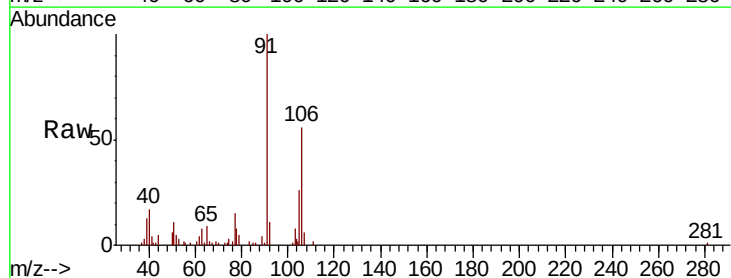


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

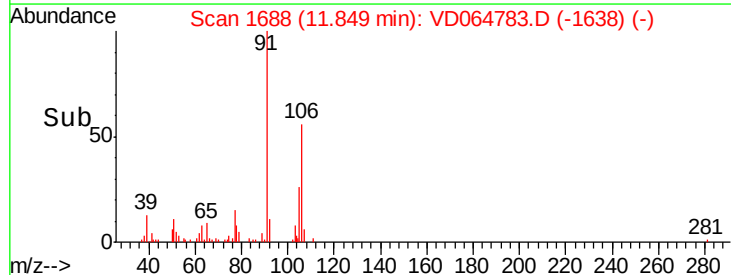
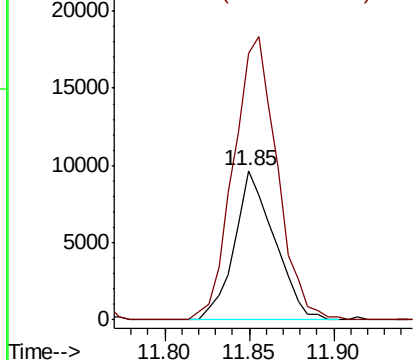


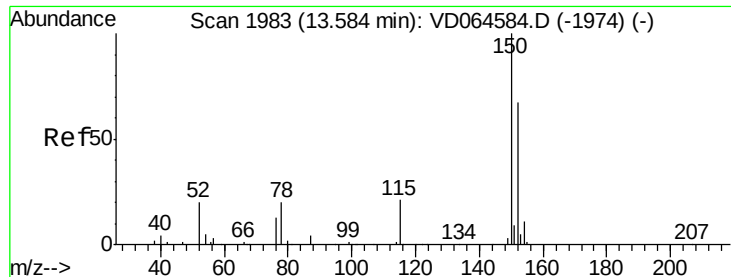
#68
m/p-Xylenes
Concen: 1.542 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD064783.D
Acq: 06 Jan 2020 20:03

Tgt Ion:106 Resp: 15939
Ion Ratio Lower Upper
106 100
91 207.0 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): 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: VD064783.D

Acq: 06 Jan 2020 20:03

Instrument :

MSVOA_D

ClientSampleId :

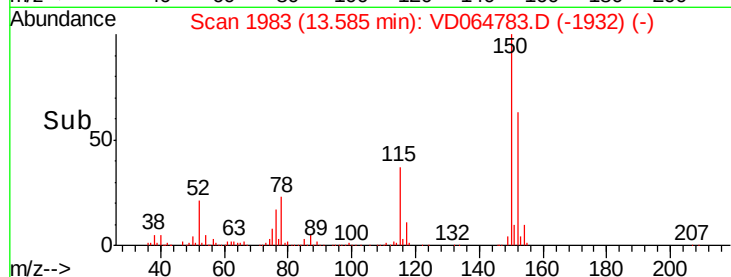
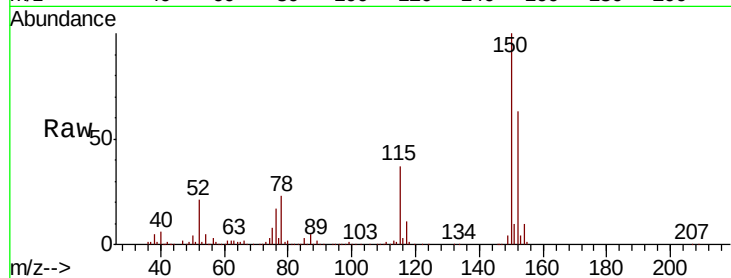
Tot Ion:152 Resp: 330163

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

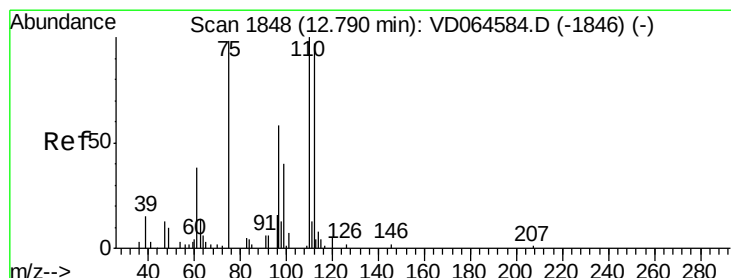
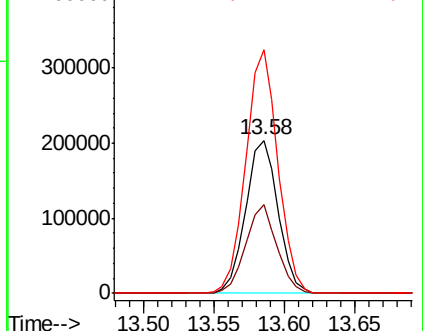
150 156.4 0.0 351.4



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: 60.395 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064783.D

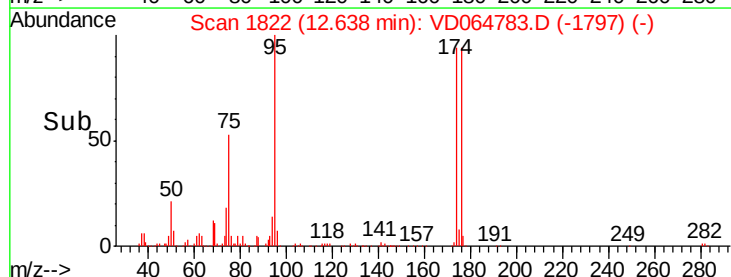
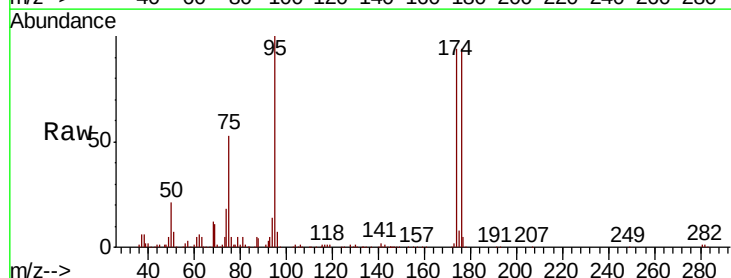
Acq: 06 Jan 2020 20:03

Tgt Ion: 75 Resp: 157459

Ion Ratio Lower Upper

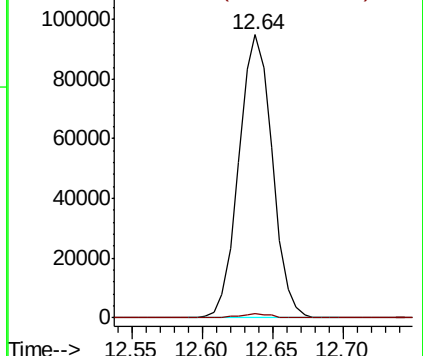
75 100

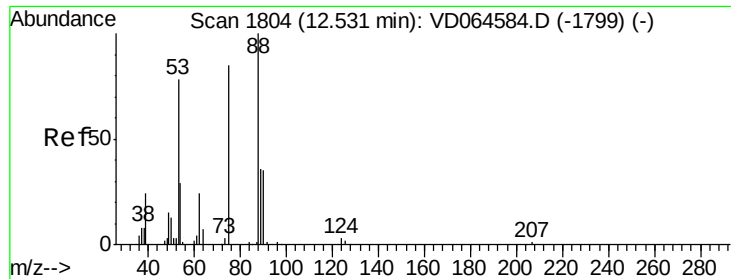
77 1.3 0.0 0.0#



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: 126.313 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064783.D

Acq: 06 Jan 2020 20:03

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 157459

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.0 38.3 57.5#

