

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010620\
 Data File : VD064776.D
 Acq On : 06 Jan 2020 16:42
 Operator : VA/SY
 Sample : L1010-01
 Misc : 6.92G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 07 00:37:15 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

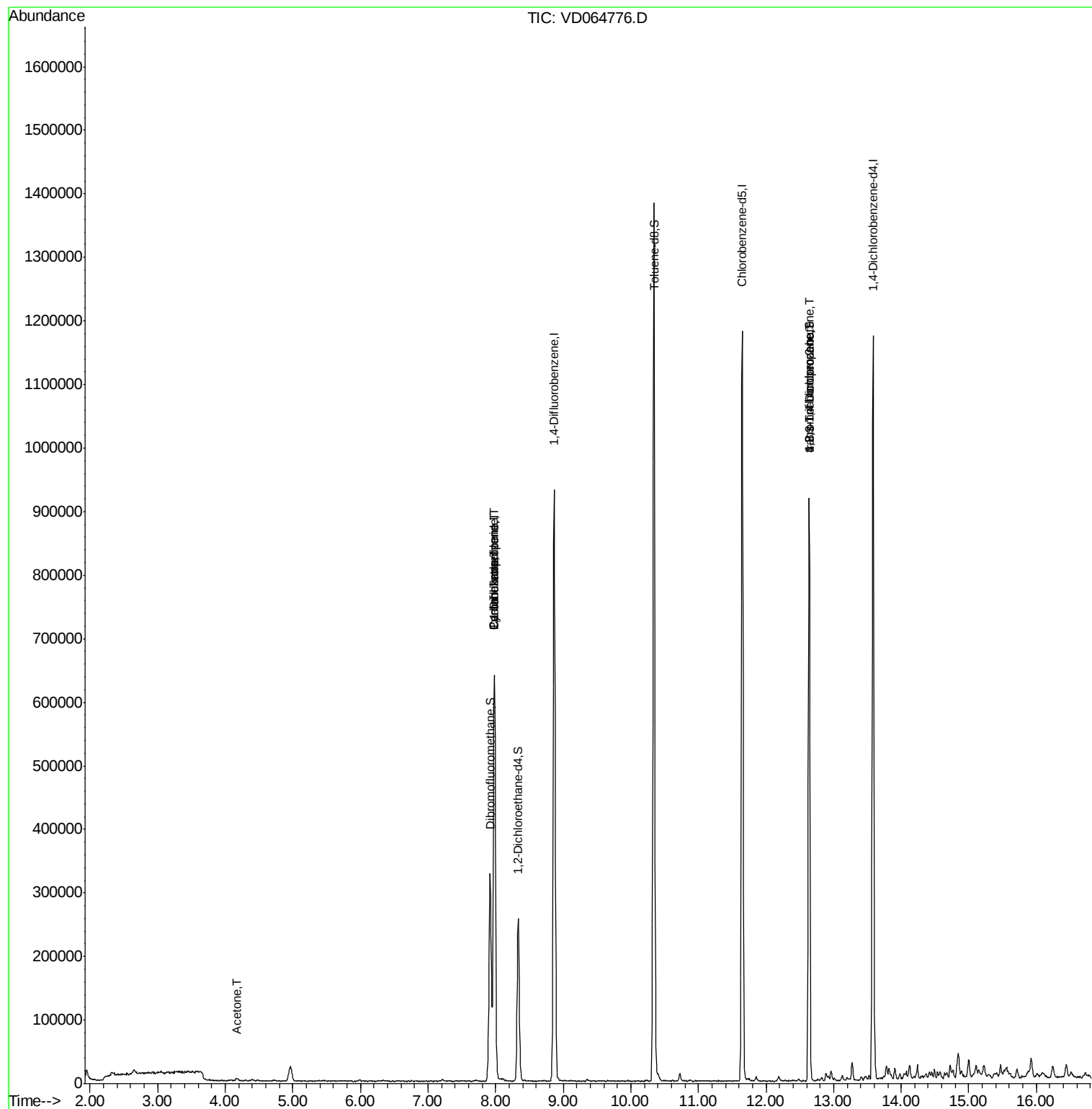
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	514134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	771403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	664612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305432	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	202572	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	
35) Dibromofluoromethane	7.92	113	226378	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
50) Toluene-d8	10.34	98	922194	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.64	95	265961	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	6195	9.902	ug/l	91
20) Methylene Chloride	4.97	84	18182	Below Cal		91
31) Cyclohexane	7.98	56	11567	1.368	ug/l #	13
36) 1,1-Dichloropropene	7.98	75	37213	5.012	ug/l #	50
38) Carbon Tetrachloride	7.98	117	49208	6.216	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	142874	59.238	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	142874	123.894	ug/l #	10

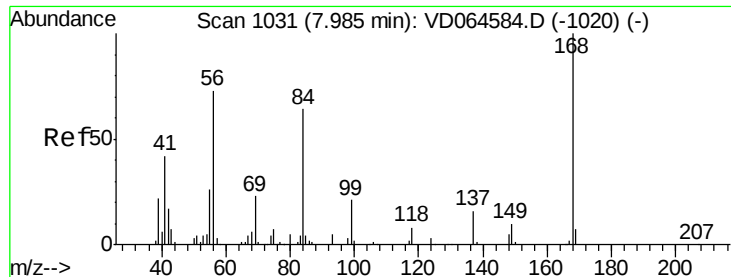
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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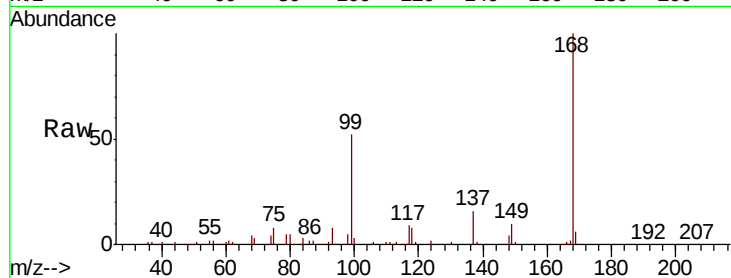




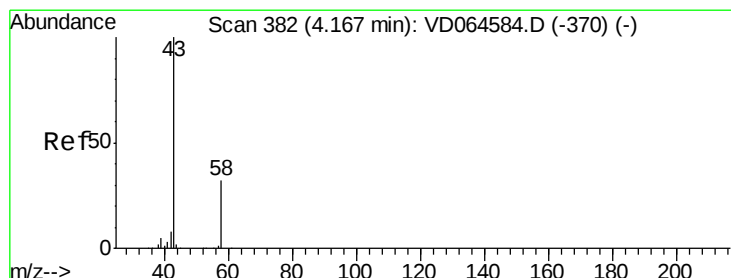
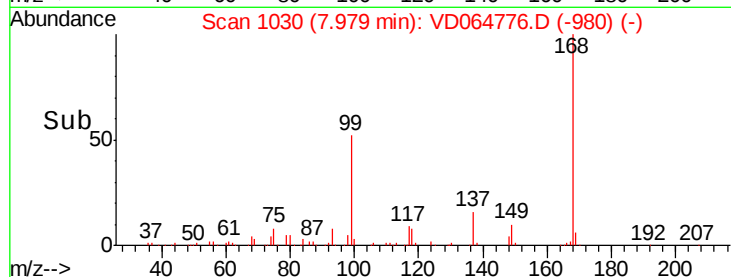
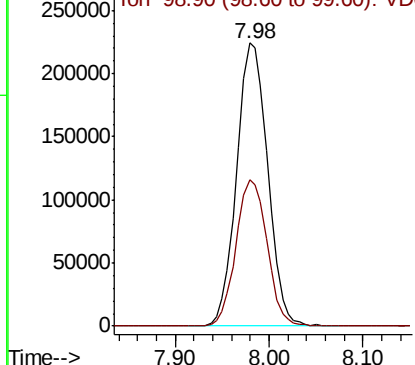
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064776.D
Acq: 06 Jan 2020 16:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 514134
Ion Ratio Lower Upper
168 100
99 51.9 41.8 62.6

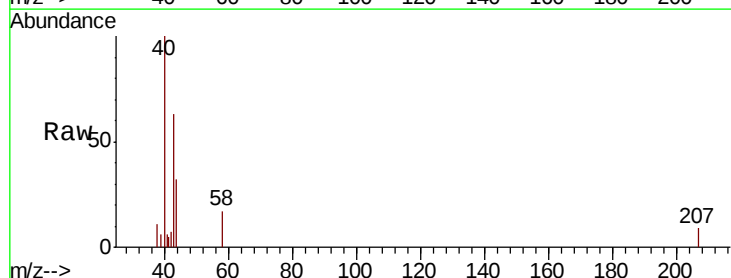


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

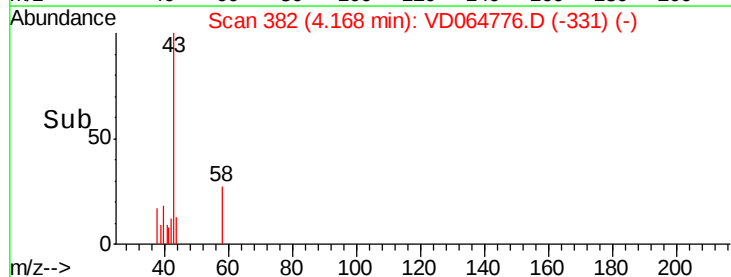
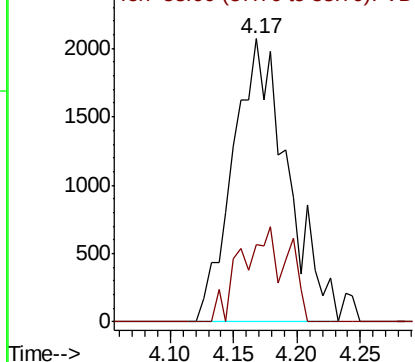


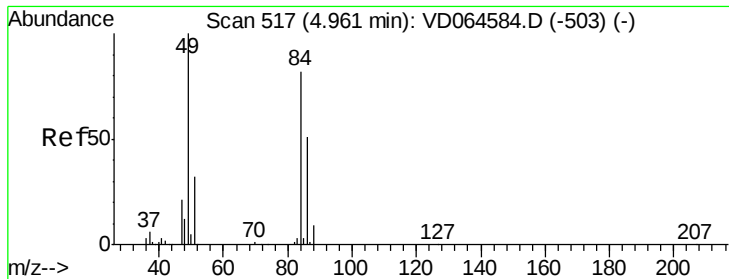
#16
Acetone
Concen: 9.902 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD064776.D
Acq: 06 Jan 2020 16:42

Tgt Ion: 43 Resp: 6195
Ion Ratio Lower Upper
43 100
58 27.4 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



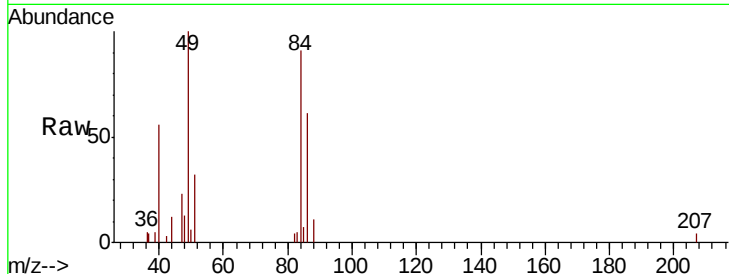


#20

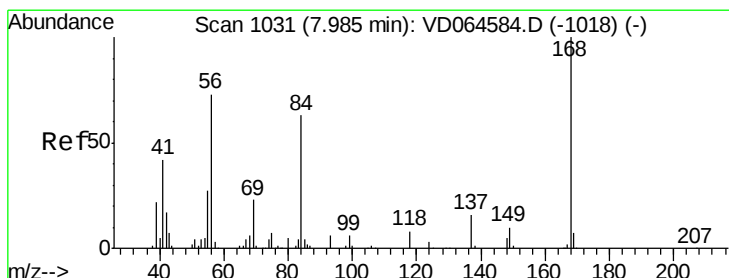
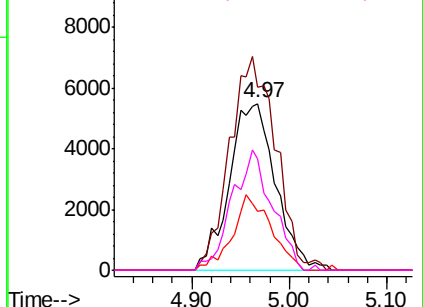
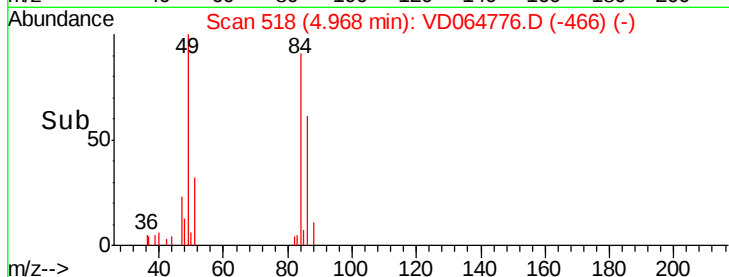
Methylene Chloride
 Concen: Below Cal
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064776.D
 Acq: 06 Jan 2020 16:42

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:	84	Resp:	18182
Ion	Ratio	Lower	Upper
84	100		
49	110.0	97.2	145.8
51	35.0	31.4	47.0
86	66.6	49.3	73.9



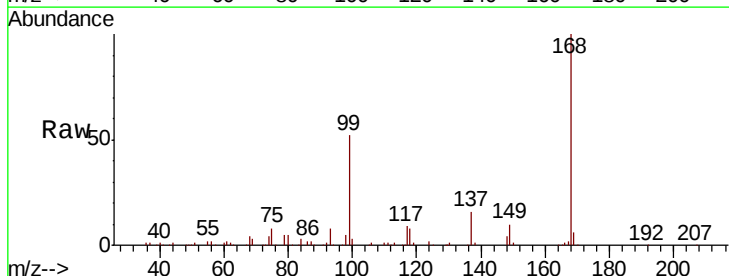
Abundance Ion 83.90 (83.60 to 84.60): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC



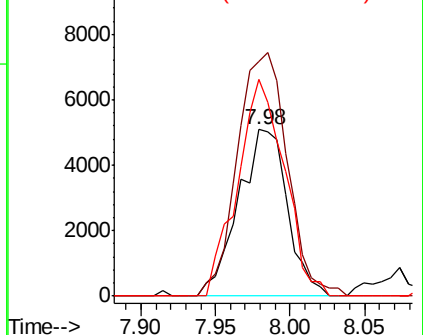
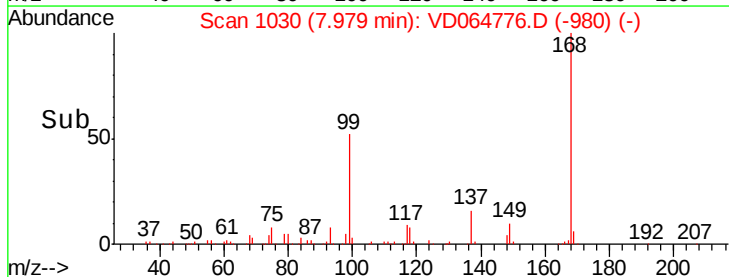
#31

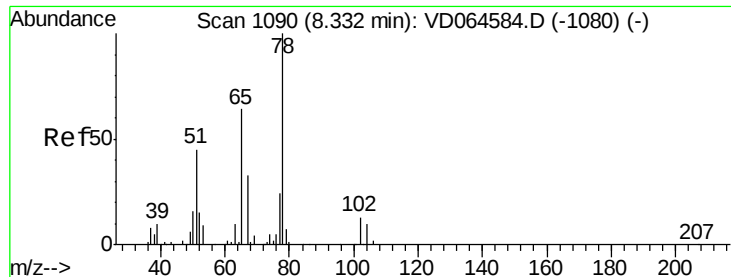
Cyclohexane
 Concen: 1.368 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VD064776.D
 Acq: 06 Jan 2020 16:42

Tgt Ion:	56	Resp:	11567
Ion	Ratio	Lower	Upper
56	100		
69	141.1	24.7	37.1#
84	130.0	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: 44.683 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064776.D

Acq: 06 Jan 2020 16:42

Instrument :

MSVOA_D

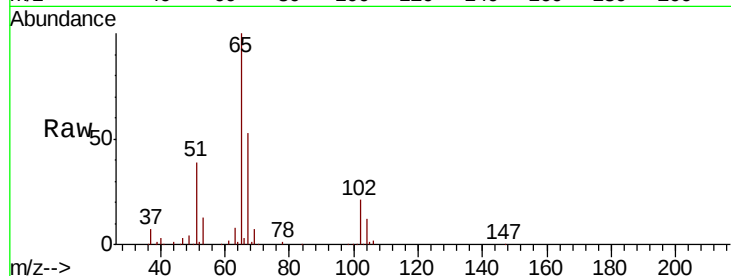
ClientSampled :

Tot Ion: 65 Resp: 202572

Ion Ratio Lower Upper

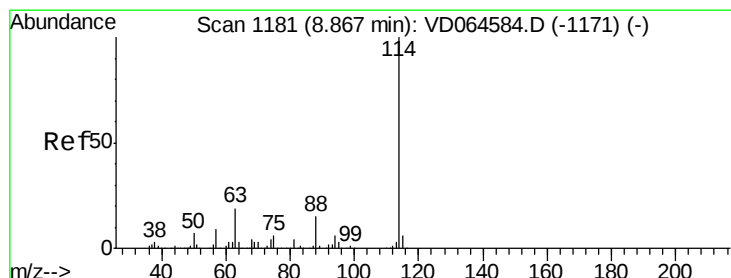
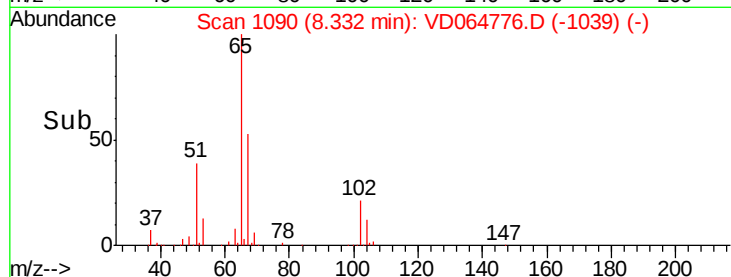
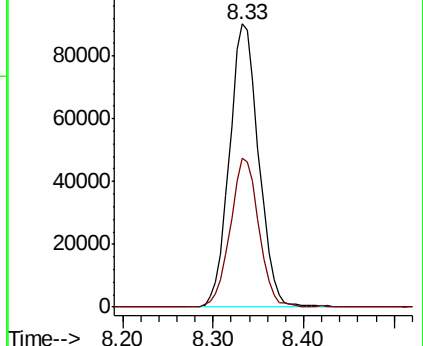
65 100

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: VD064776.D

Acq: 06 Jan 2020 16:42

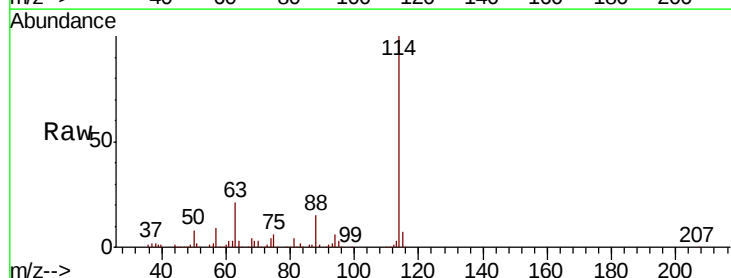
Tgt Ion: 114 Resp: 771403

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.0

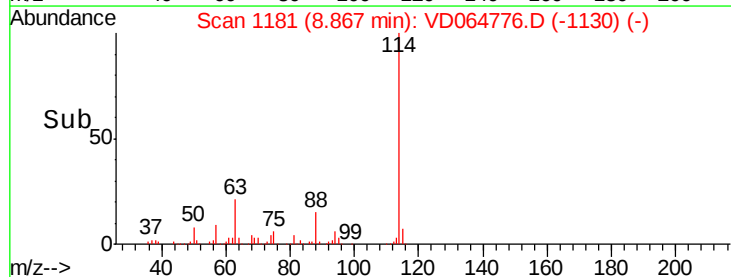
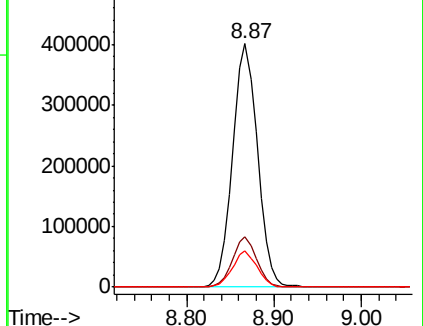
88 15.0 0.0 29.2

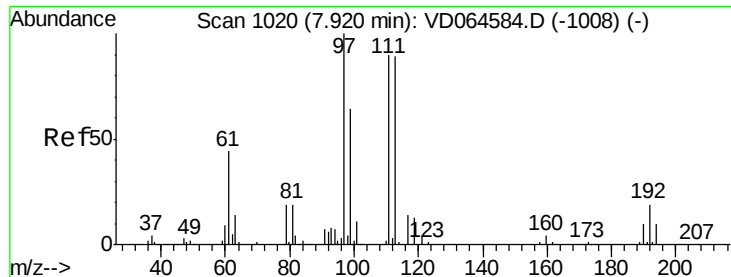


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

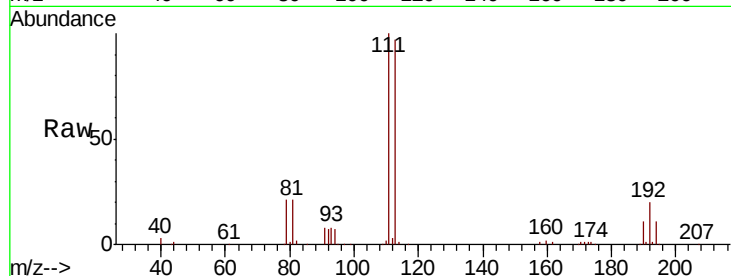




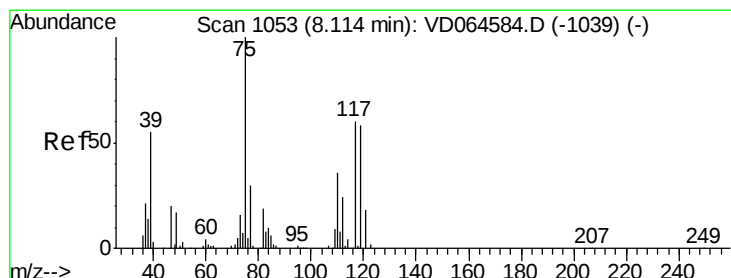
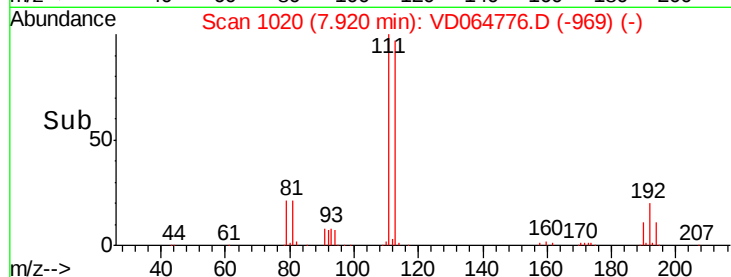
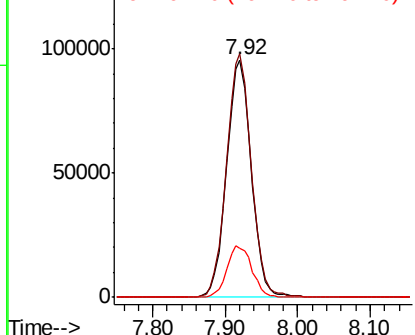
#35
 Dibromofluoromethane
 Concen: 47.833 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064776.D
 Acq: 06 Jan 2020 16:42

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.6	121.0
192	21.9	17.9	26.9

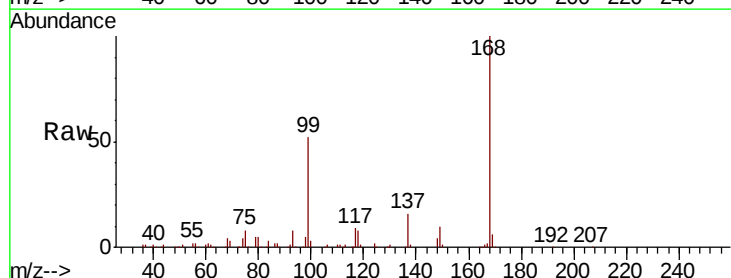


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

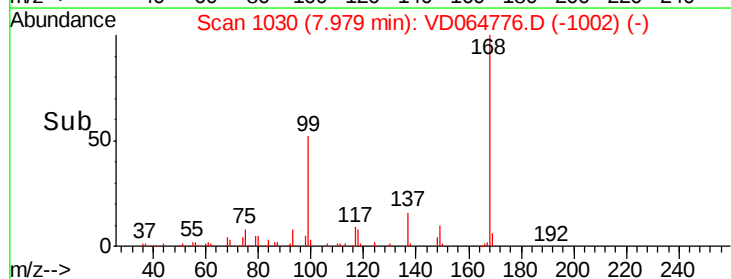
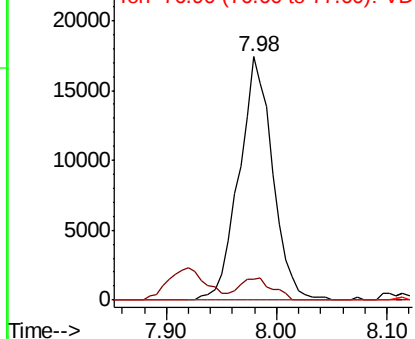


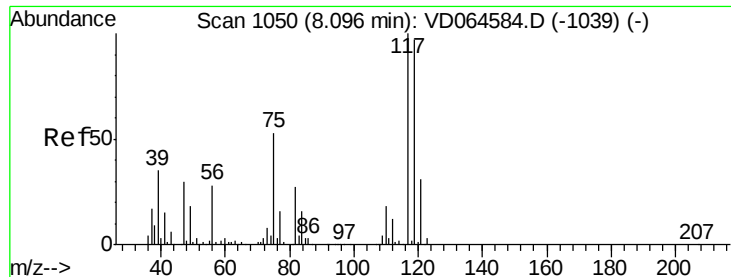
#36
 1,1-Dichloropropene
 Concen: 5.012 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD064776.D
 Acq: 06 Jan 2020 16:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.1#
77	0.0	24.2	36.4#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.216 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064776.D

Acq: 06 Jan 2020 16:42

Instrument :

MSVOA_D

ClientSampleId :

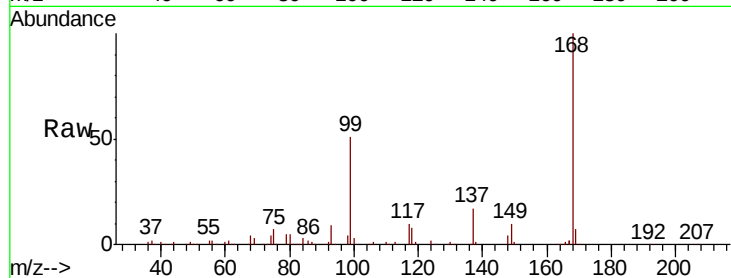
Tot Ion:117 Resp: 49208

Ion Ratio Lower Upper

117 100

119 5.9 77.3 115.9#

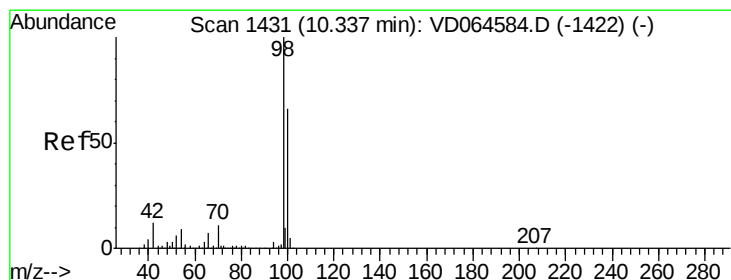
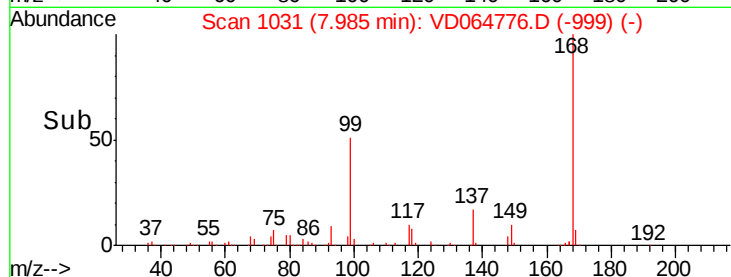
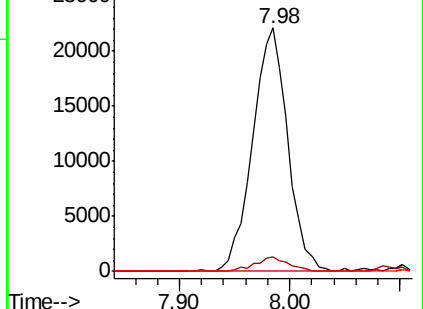
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.878 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064776.D

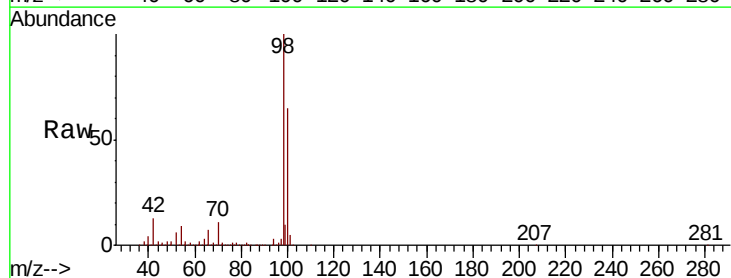
Acq: 06 Jan 2020 16:42

Tgt Ion: 98 Resp: 922194

Ion Ratio Lower Upper

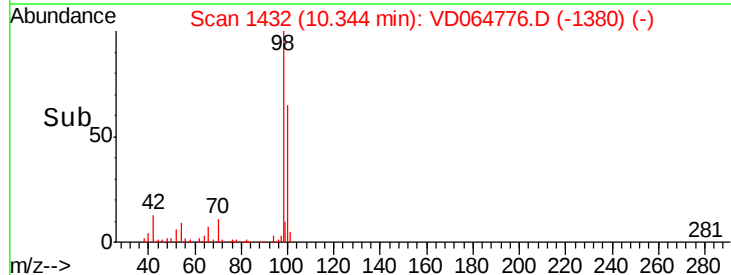
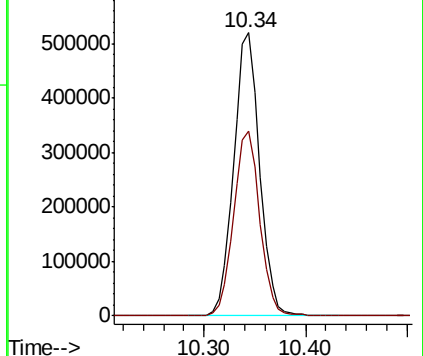
98 100

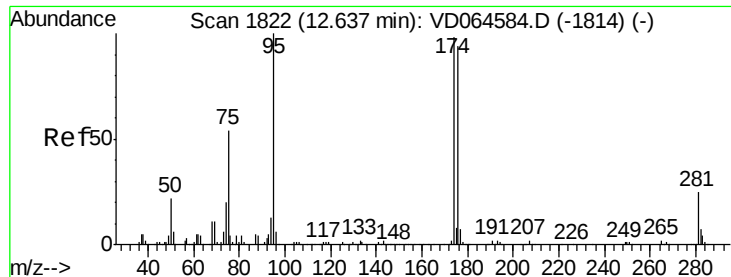
100 65.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

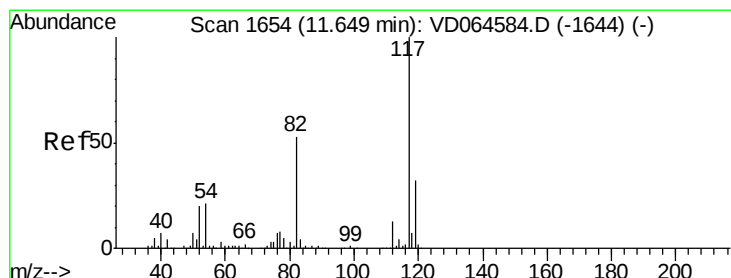
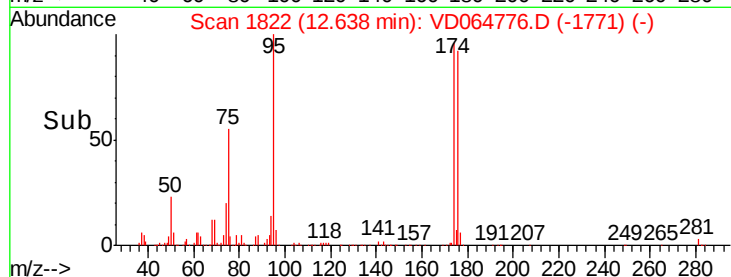
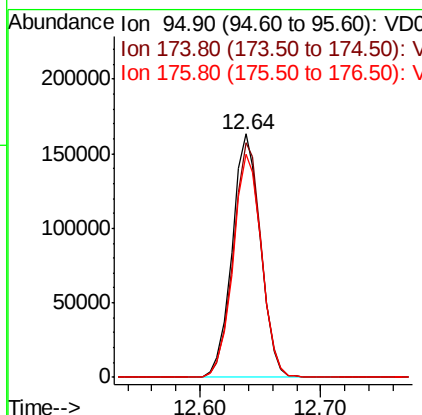
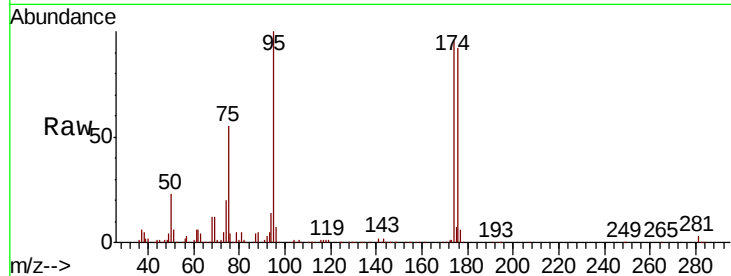




#62
4-Bromofluorobenzene
Concen: 46.403 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064776.D
Acq: 06 Jan 2020 16:42

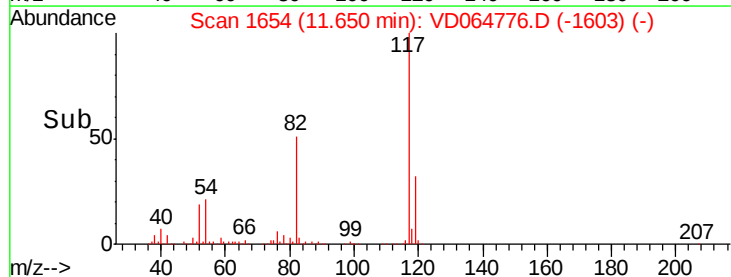
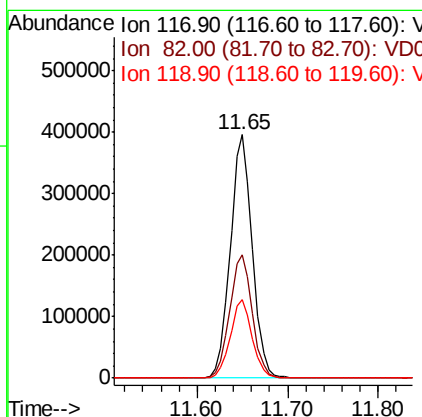
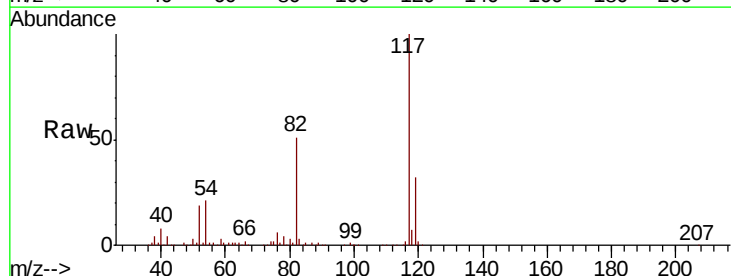
Instrument :
MSVOA_D
ClientSampleId :

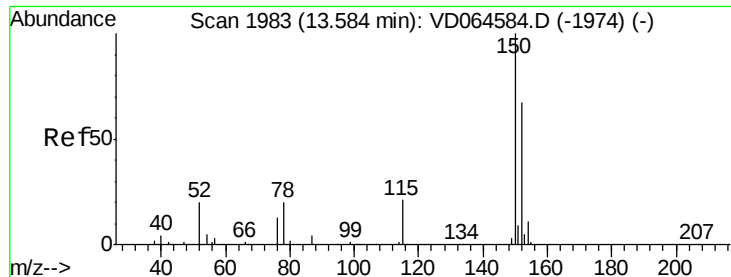
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	193.2
176	91.9	0.0	184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064776.D
Acq: 06 Jan 2020 16:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.9	42.2	63.4
119	32.0	26.0	39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064776.D

Acq: 06 Jan 2020 16:42

Instrument :

MSVOA_D

ClientSampleId :

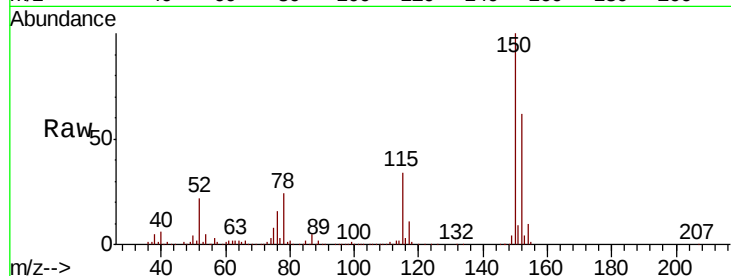
Tot Ion:152 Resp: 305432

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.4

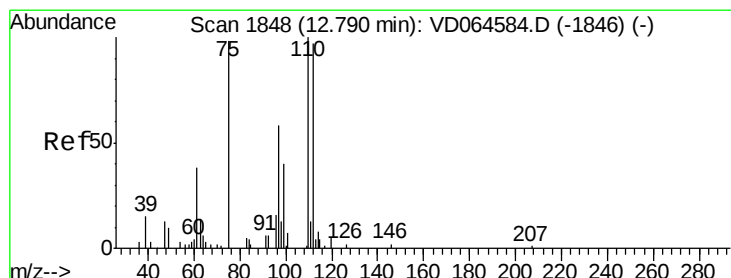
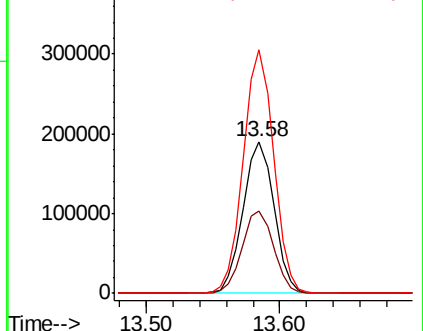
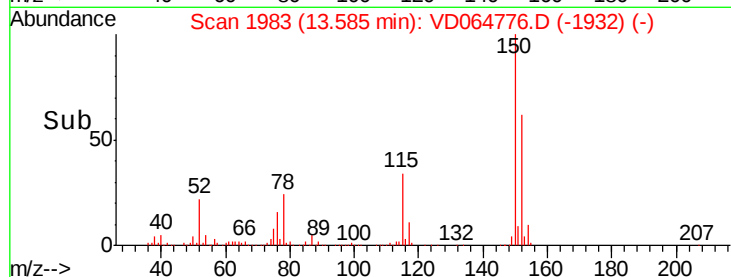
150 157.5 0.0 351.4



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: 59.238 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064776.D

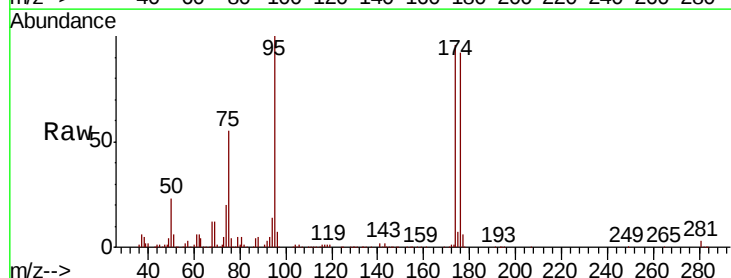
Acq: 06 Jan 2020 16:42

Tgt Ion: 75 Resp: 142874

Ion Ratio Lower Upper

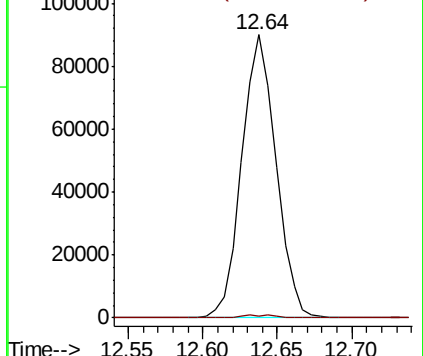
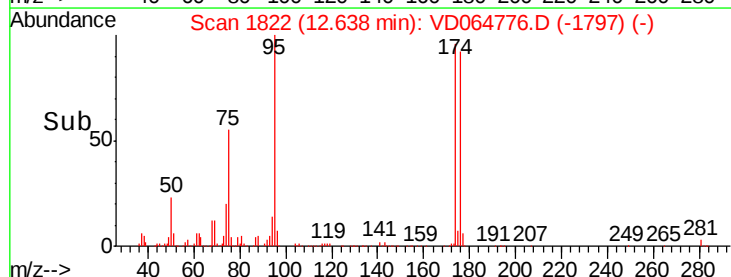
75 100

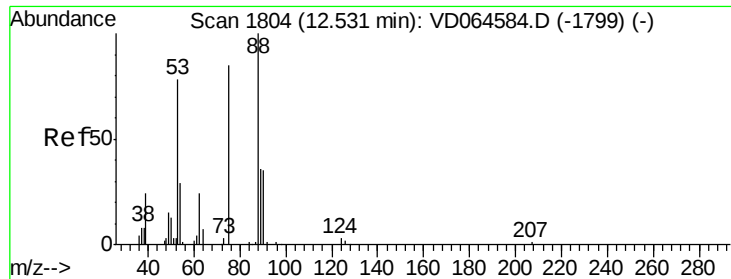
77 1.2 0.0 0.0#



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: 123.894 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064776.D

Acq: 06 Jan 2020 16:42

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 142874

Ion Ratio Lower Upper

75 100

53 0.3 78.8 118.2#

89 0.0 38.3 57.5#

