

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010620\
 Data File : VD064775.D
 Acq On : 06 Jan 2020 16:13
 Operator : VA/SY
 Sample : L1009-01
 Misc : 10.98G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 07 00:37:04 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

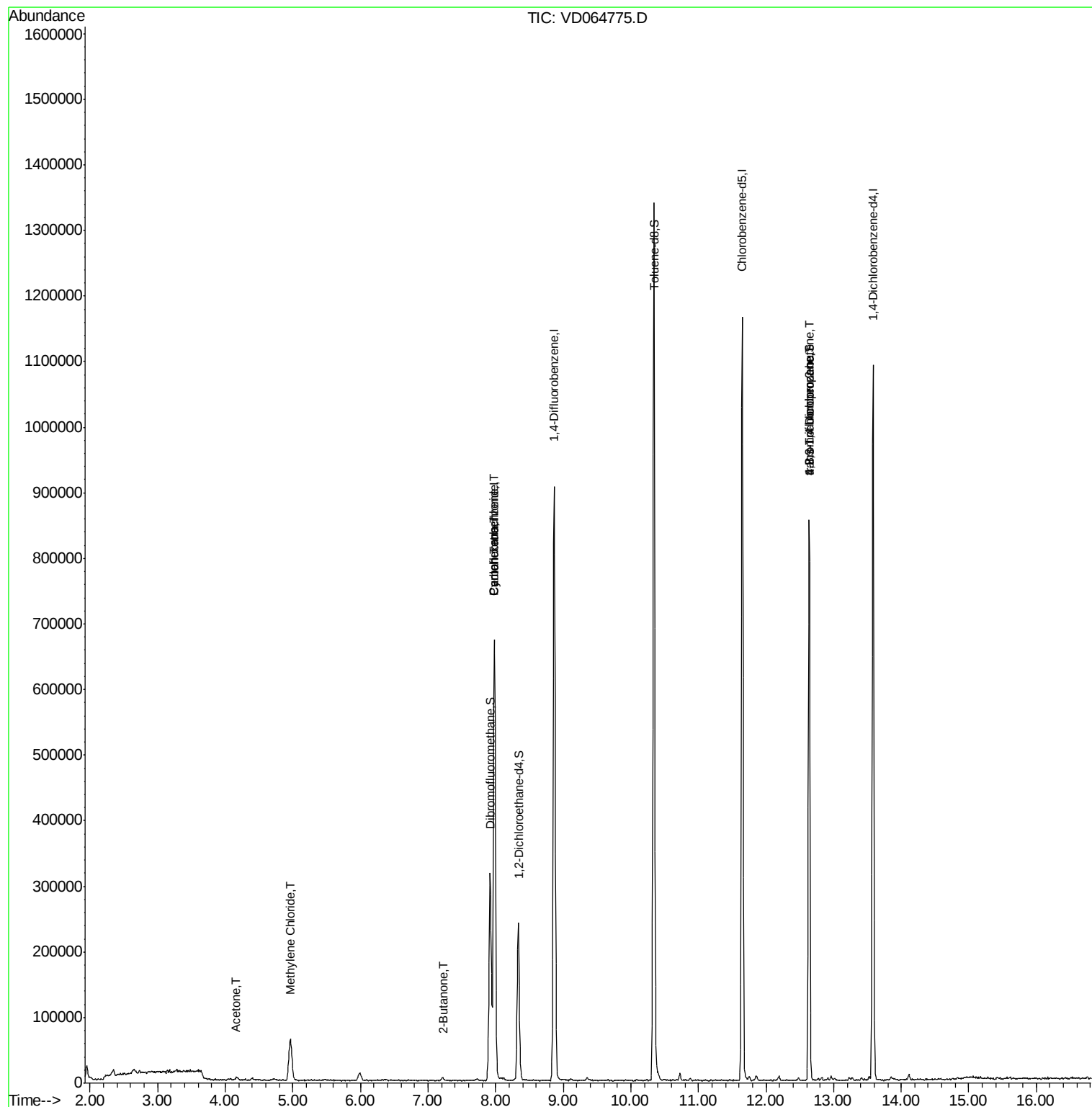
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	519644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	771403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	649702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285943	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	192634	42.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.08%	
35) Dibromofluoromethane	7.92	113	216281	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
50) Toluene-d8	10.34	98	908430	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.64	95	252583	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	
Target Compounds						
16) Acetone	4.17	43	8014	11.505	ug/l	97
20) Methylene Chloride	4.97	84	48014	5.939	ug/l	93
25) 2-Butanone	7.23	43	1613	1.281	ug/l #	49
31) Cyclohexane	7.98	56	12055	1.411	ug/l #	4
38) Carbon Tetrachloride	7.98	117	50191	6.340	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	137846	61.048	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	137846	127.681	ug/l #	10

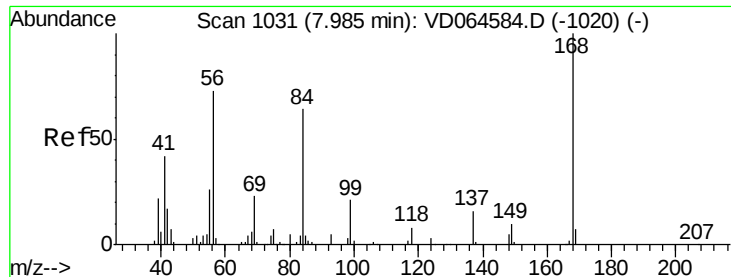
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 07 00:37:04 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# 1030

Delta R.T. -0.01 min

Lab File: VD064775.D

Acq: 06 Jan 2020 16:13

Instrument :

MSVOA_D

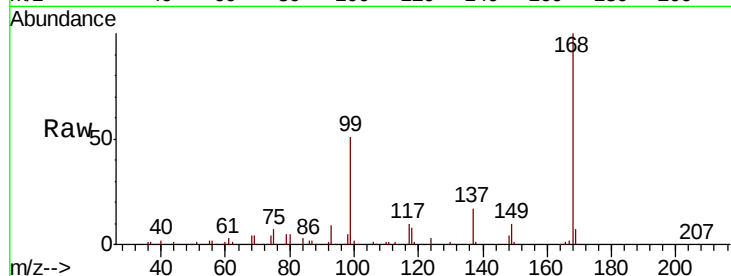
ClientSampleId :

Tot Ion:168 Resp: 519644

Ion Ratio Lower Upper

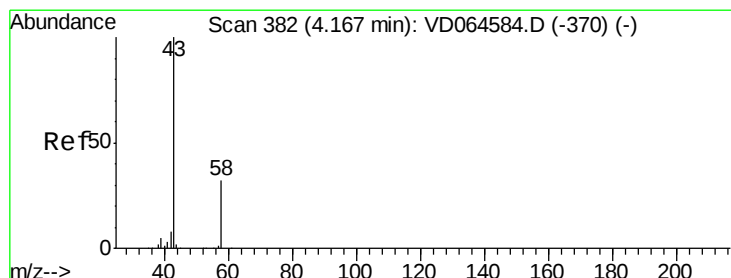
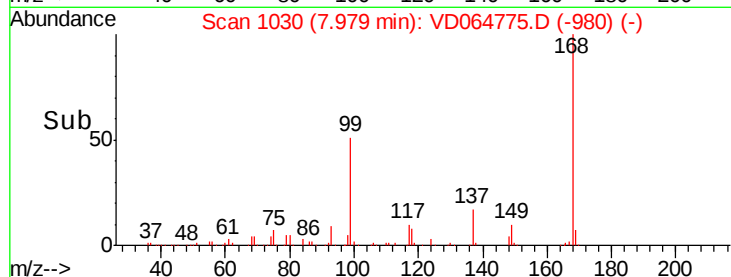
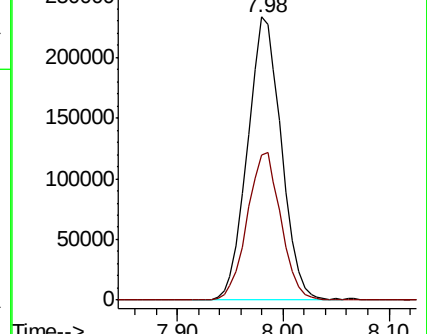
168 100

99 51.3 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: 11.505 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064775.D

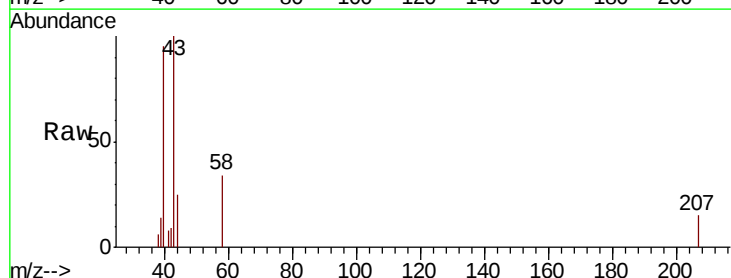
Acq: 06 Jan 2020 16:13

Tgt Ion: 43 Resp: 8014

Ion Ratio Lower Upper

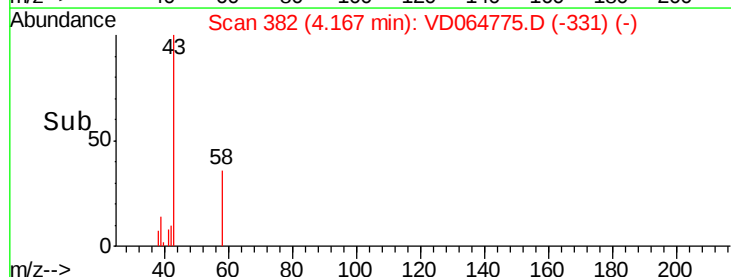
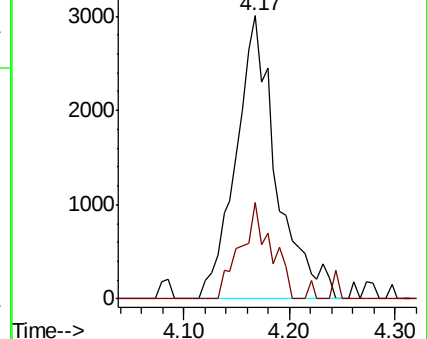
43 100

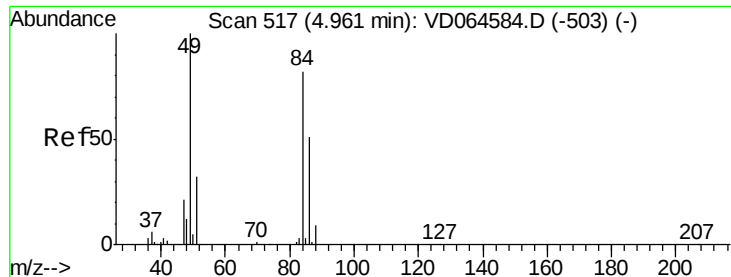
58 34.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

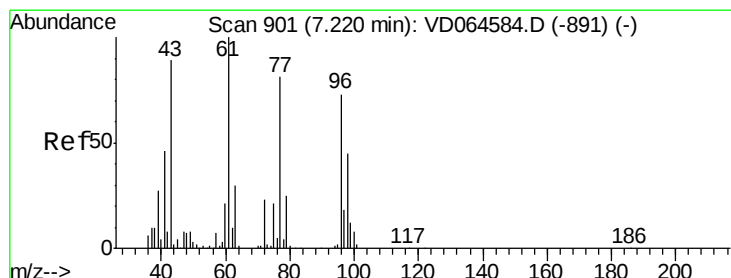
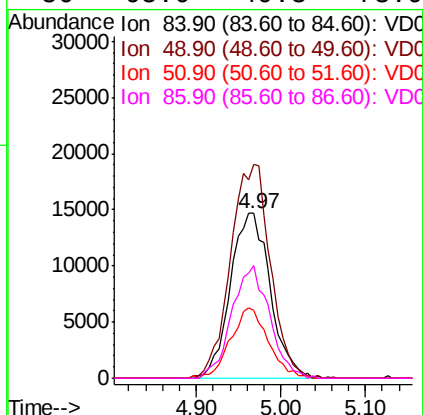
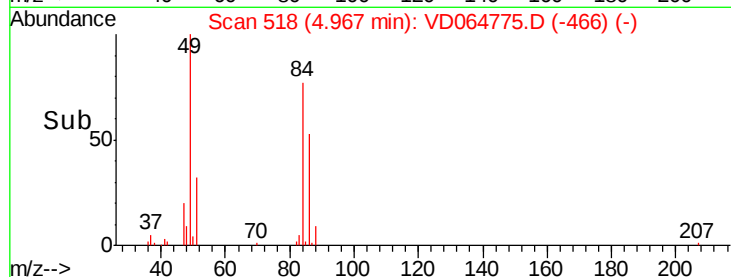
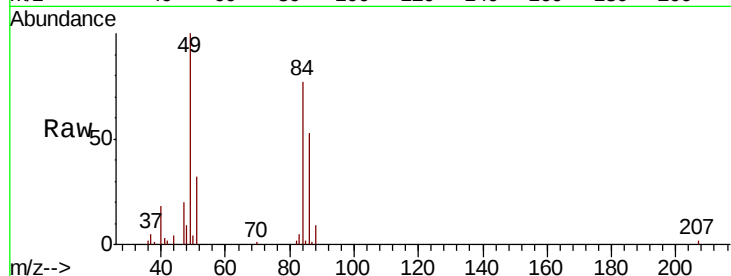




#20
Methvlene Chloride
Concen: 5.939 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064775.D
Acq: 06 Jan 2020 16:13

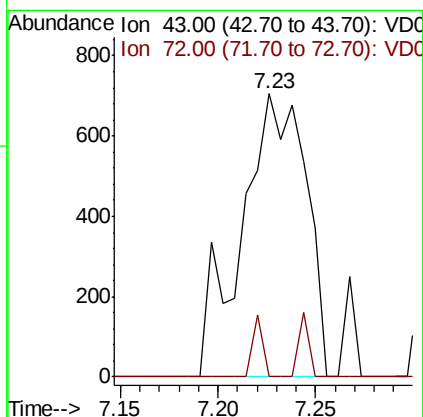
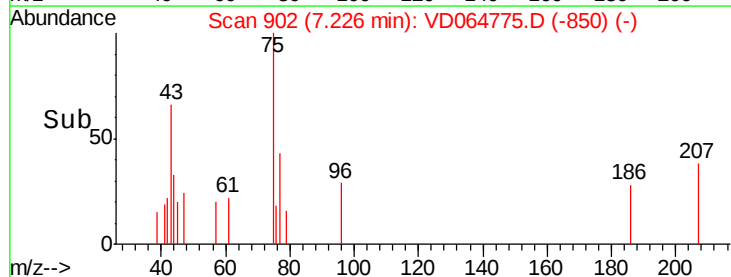
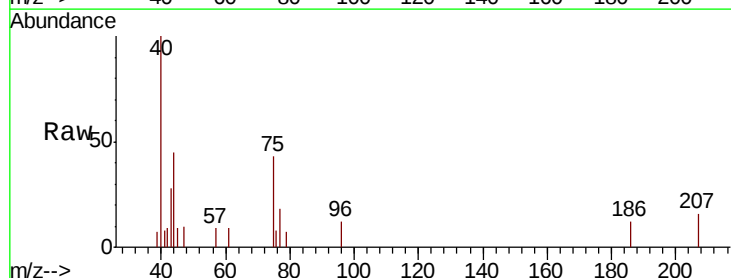
Instrument :
MSVOA_D
ClientSampleId :

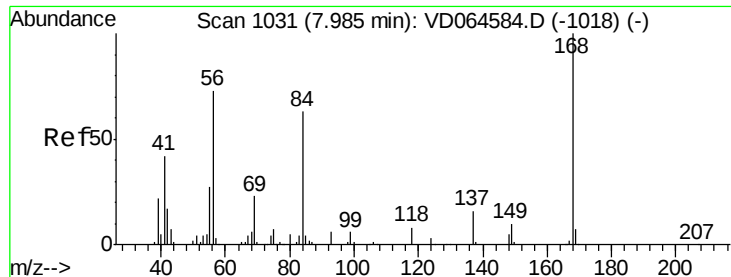
Tot Ion: 84 Resp: 48014
Ion Ratio Lower Upper
84 100
49 129.5 97.2 145.8
51 40.8 31.4 47.0
86 68.0 49.3 73.9



#25
2-Butanone
Concen: 1.281 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064775.D
Acq: 06 Jan 2020 16:13

Tgt Ion: 43 Resp: 1613
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#

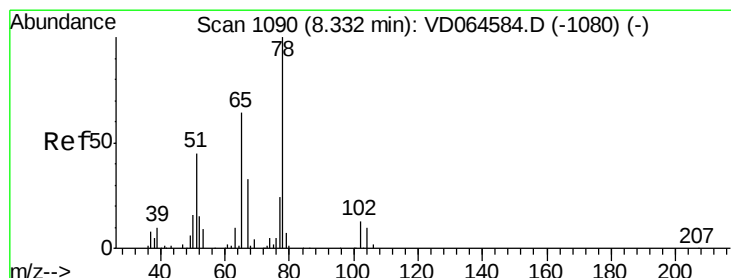
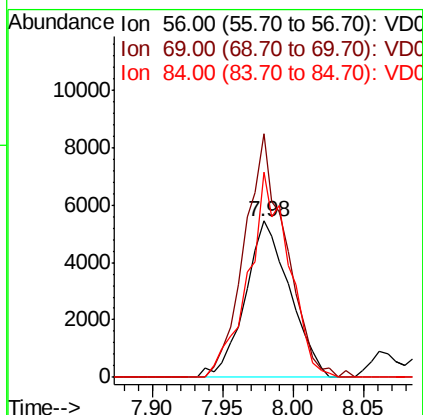
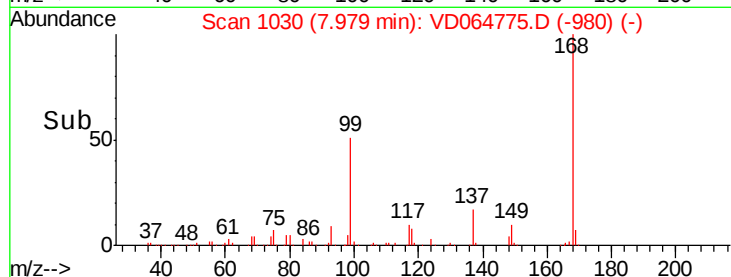
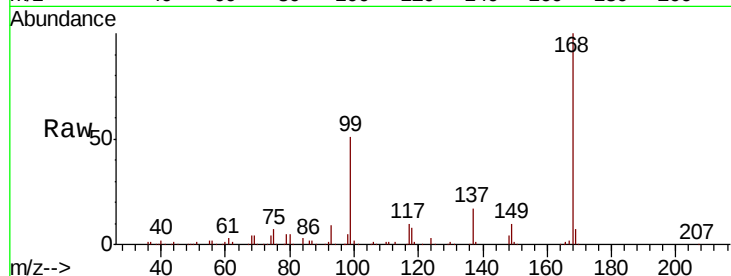




#31
Cyclohexane
Concen: 1.411 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064775.D
Acq: 06 Jan 2020 16:13

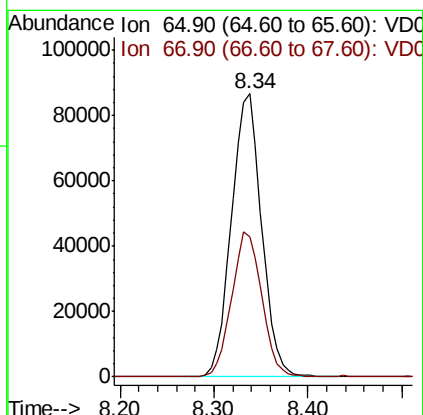
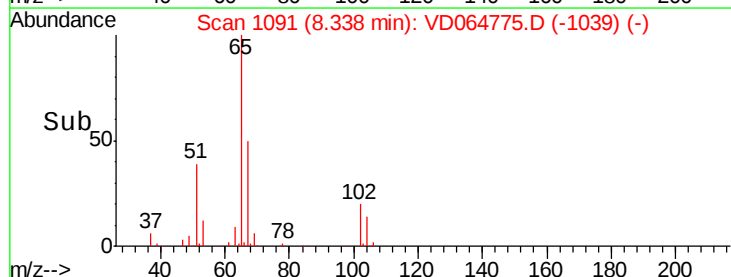
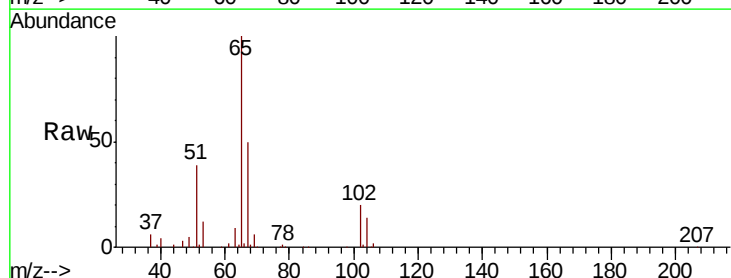
Instrument :
MSVOA_D
ClientSampled :

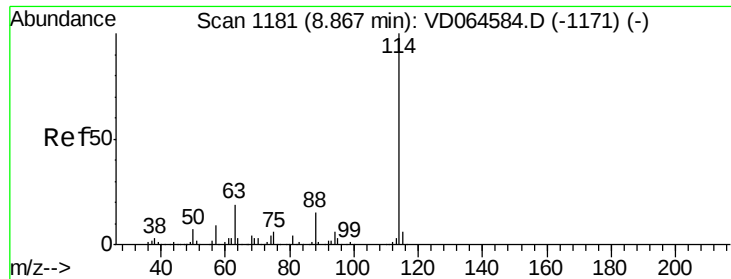
Tot Ion: 56 Resp: 12055
Ion Ratio Lower Upper
56 100
69 155.9 24.7 37.1#
84 131.7 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 42.040 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064775.D
Acq: 06 Jan 2020 16:13

Tgt Ion: 65 Resp: 192634
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.2

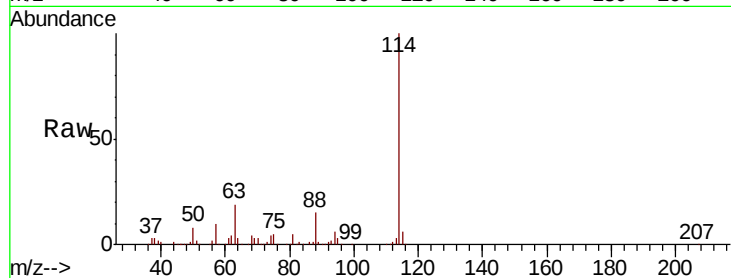




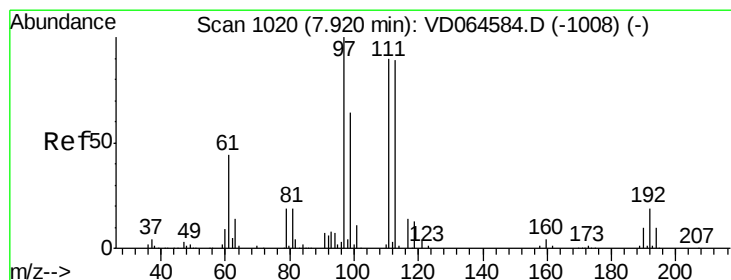
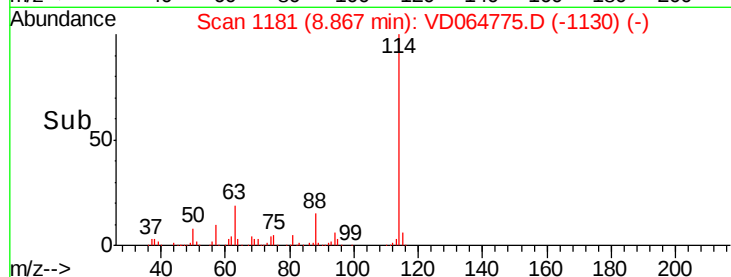
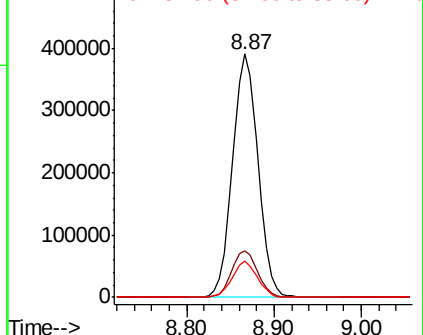
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064775.D
 Acq: 06 Jan 2020 16:13

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.0
88	14.8	0.0	29.2

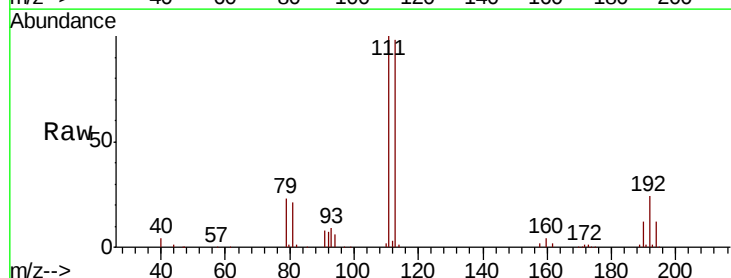


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

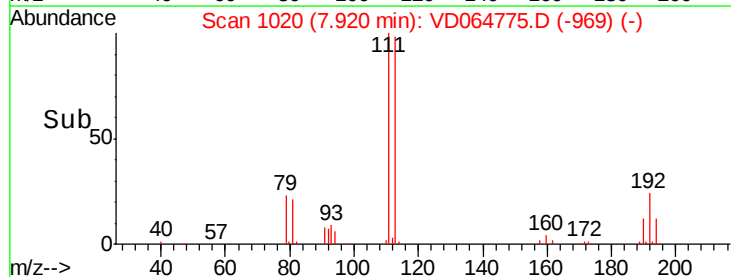
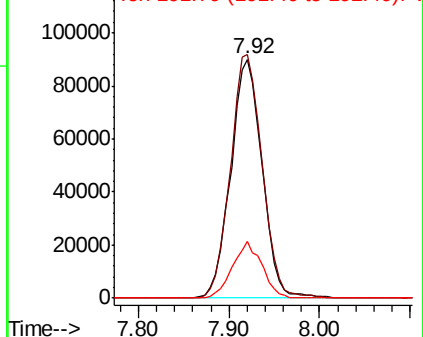


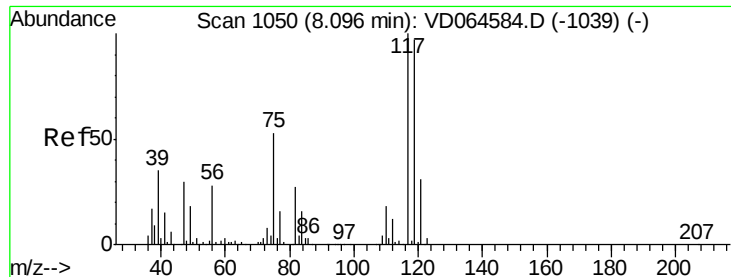
#35
 Dibromofluoromethane
 Concen: 45.699 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064775.D
 Acq: 06 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	80.6	121.0
192	22.4	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

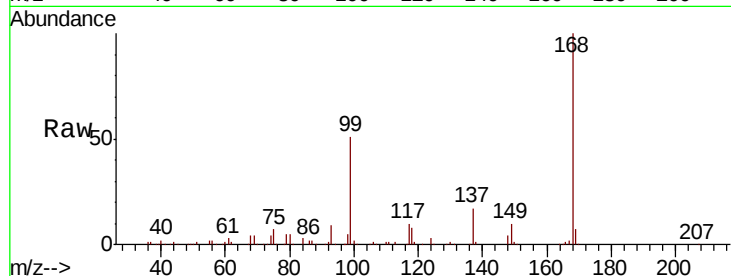




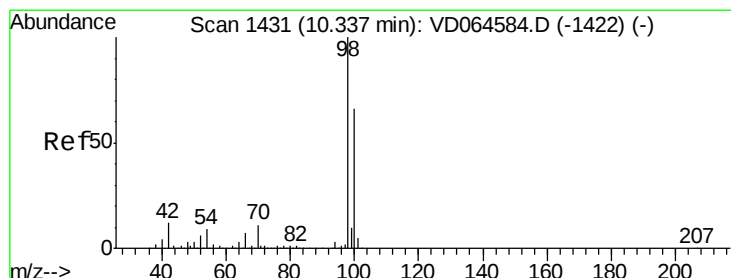
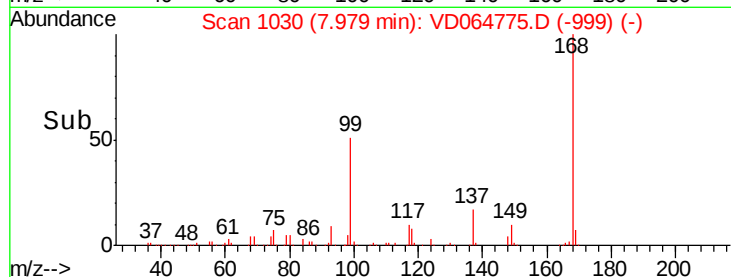
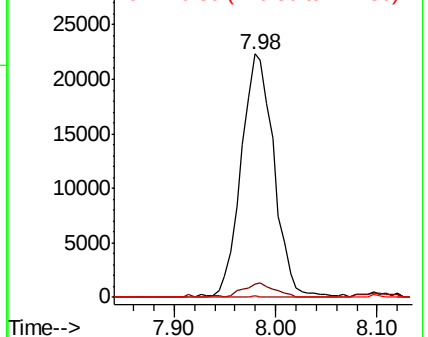
#38
Carbon Tetrachloride
Concen: 6.340 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064775.D
Acq: 06 Jan 2020 16:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 50191
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.7 25.0 37.6#

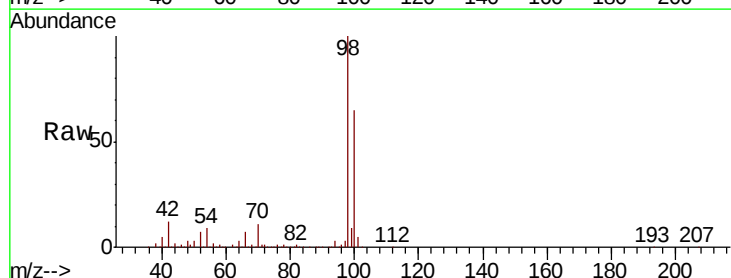


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

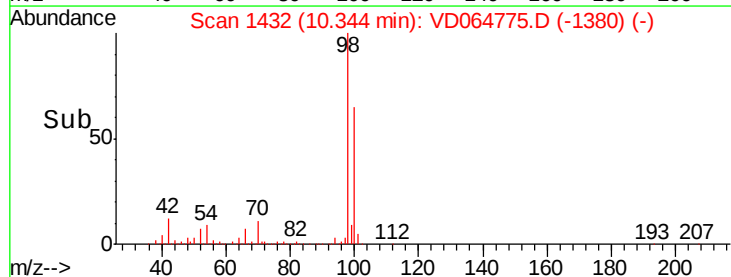
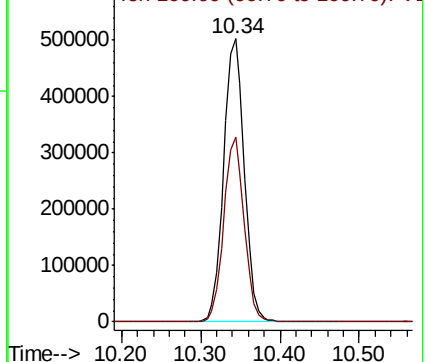


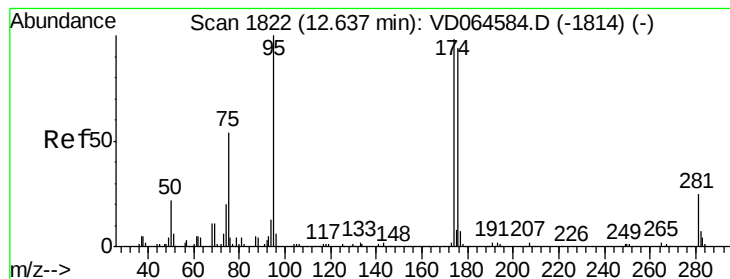
#50
Toluene-d8
Concen: 50.118 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064775.D
Acq: 06 Jan 2020 16:13

Tgt Ion: 98 Resp: 908430
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD





#62

4-Bromofluorobenzene

Concen: 44.069 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064775.D

Acq: 06 Jan 2020 16:13

Instrument :

MSVOA_D

ClientSampleId :

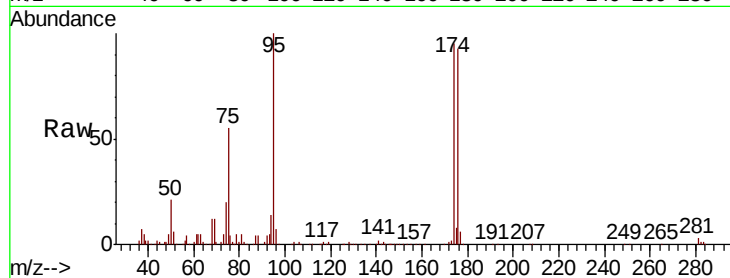
Tot Ion: 95 Resp: 252583

Ion Ratio Lower Upper

95 100

174 94.2 0.0 193.2

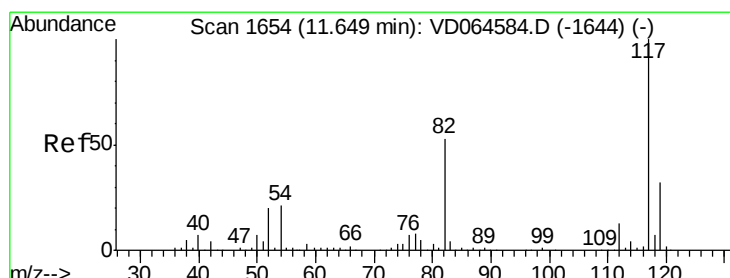
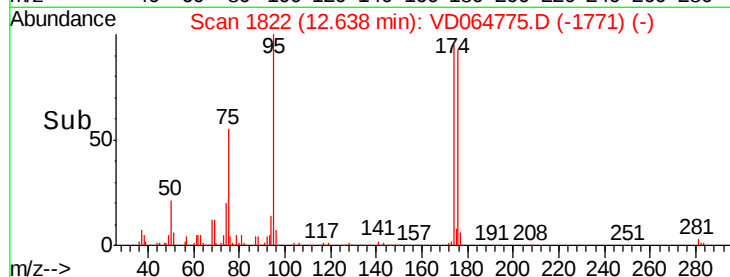
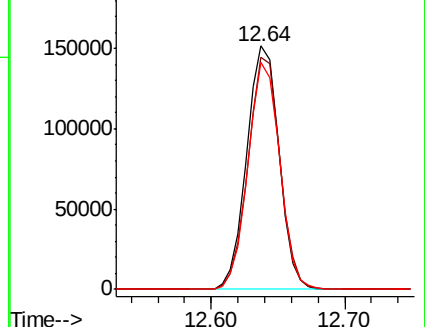
176 91.7 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064775.D

Acq: 06 Jan 2020 16:13

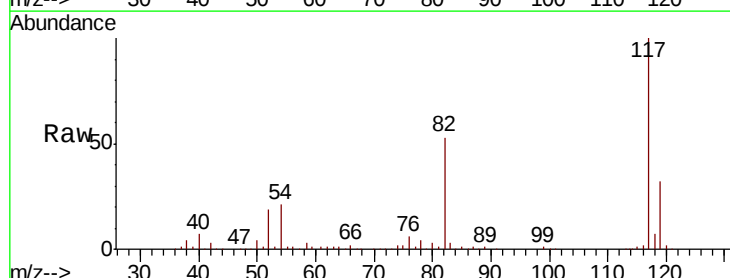
Tgt Ion: 117 Resp: 649702

Ion Ratio Lower Upper

117 100

82 52.8 42.2 63.4

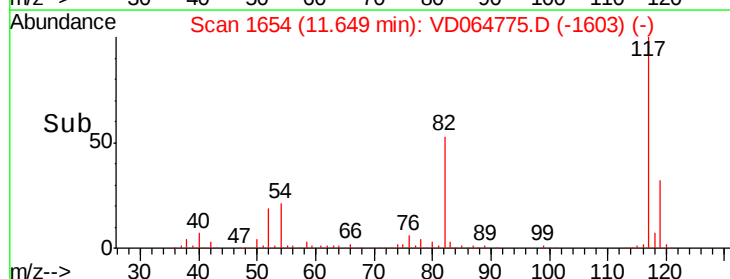
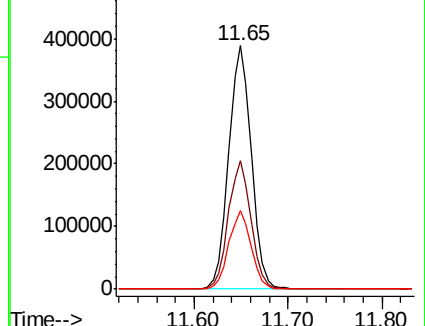
119 32.0 26.0 39.0

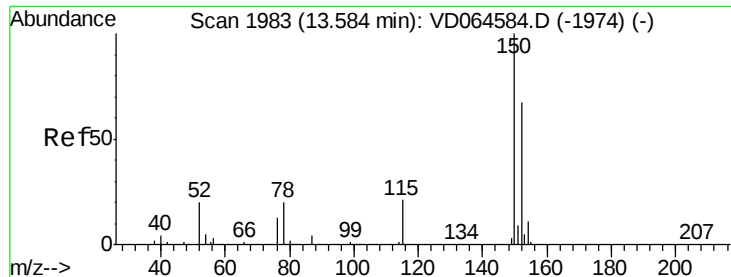


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064775.D

Acq: 06 Jan 2020 16:13

Instrument :

MSVOA_D

ClientSampleId :

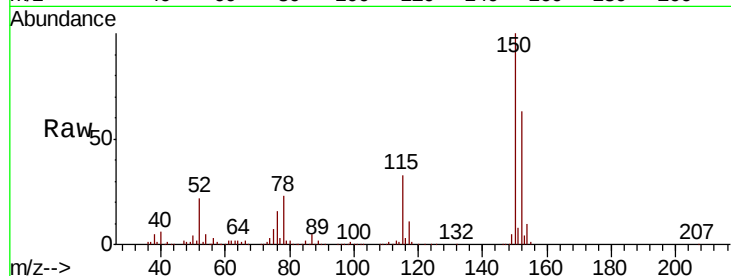
Tot Ion:152 Resp: 285943

Ion Ratio Lower Upper

152 100

115 54.7 27.8 83.4

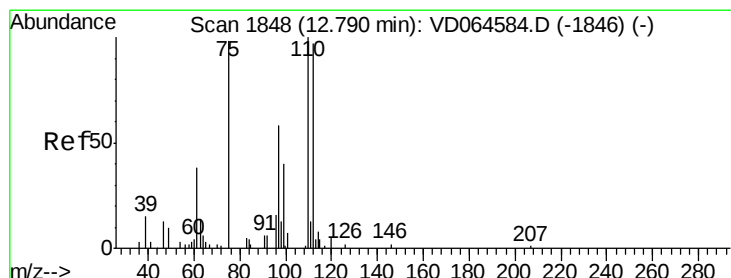
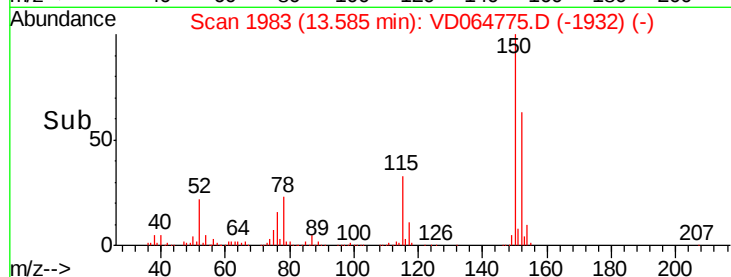
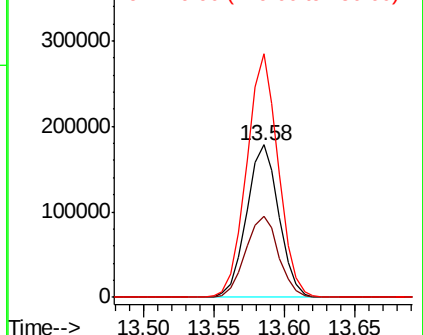
150 156.4 0.0 351.4



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: 61.048 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064775.D

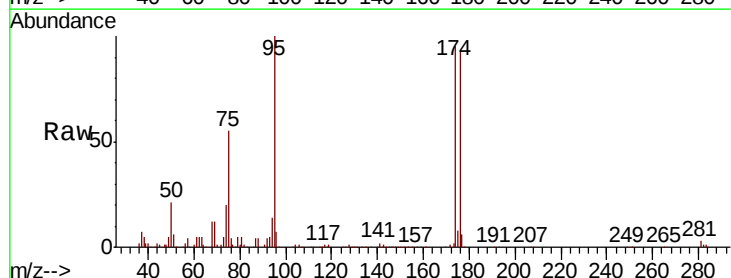
Acq: 06 Jan 2020 16:13

Tgt Ion: 75 Resp: 137846

Ion Ratio Lower Upper

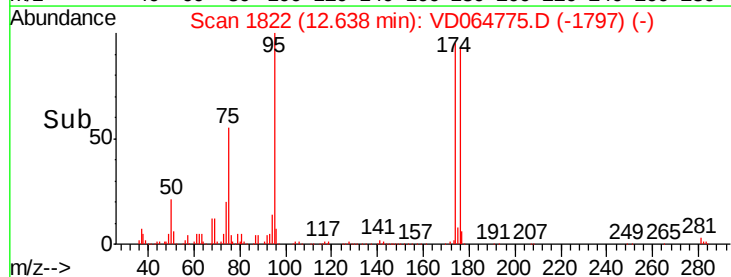
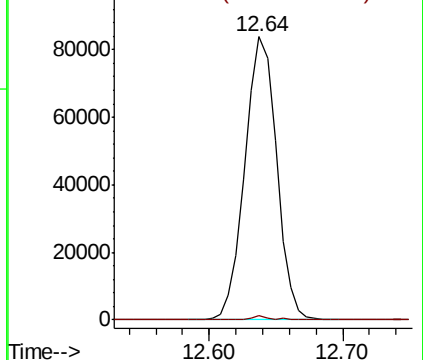
75 100

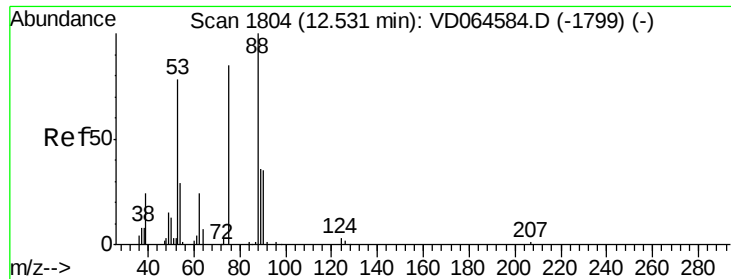
77 1.0 0.0 0.0#



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: 127.681 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064775.D

Acq: 06 Jan 2020 16:13

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 137846

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 38.3 57.5#

