

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010620\
 Data File : VD064778.D
 Acq On : 06 Jan 2020 17:39
 Operator : VA/SY
 Sample : L1039-05
 Misc : 8.1G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 07 00:37:36 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

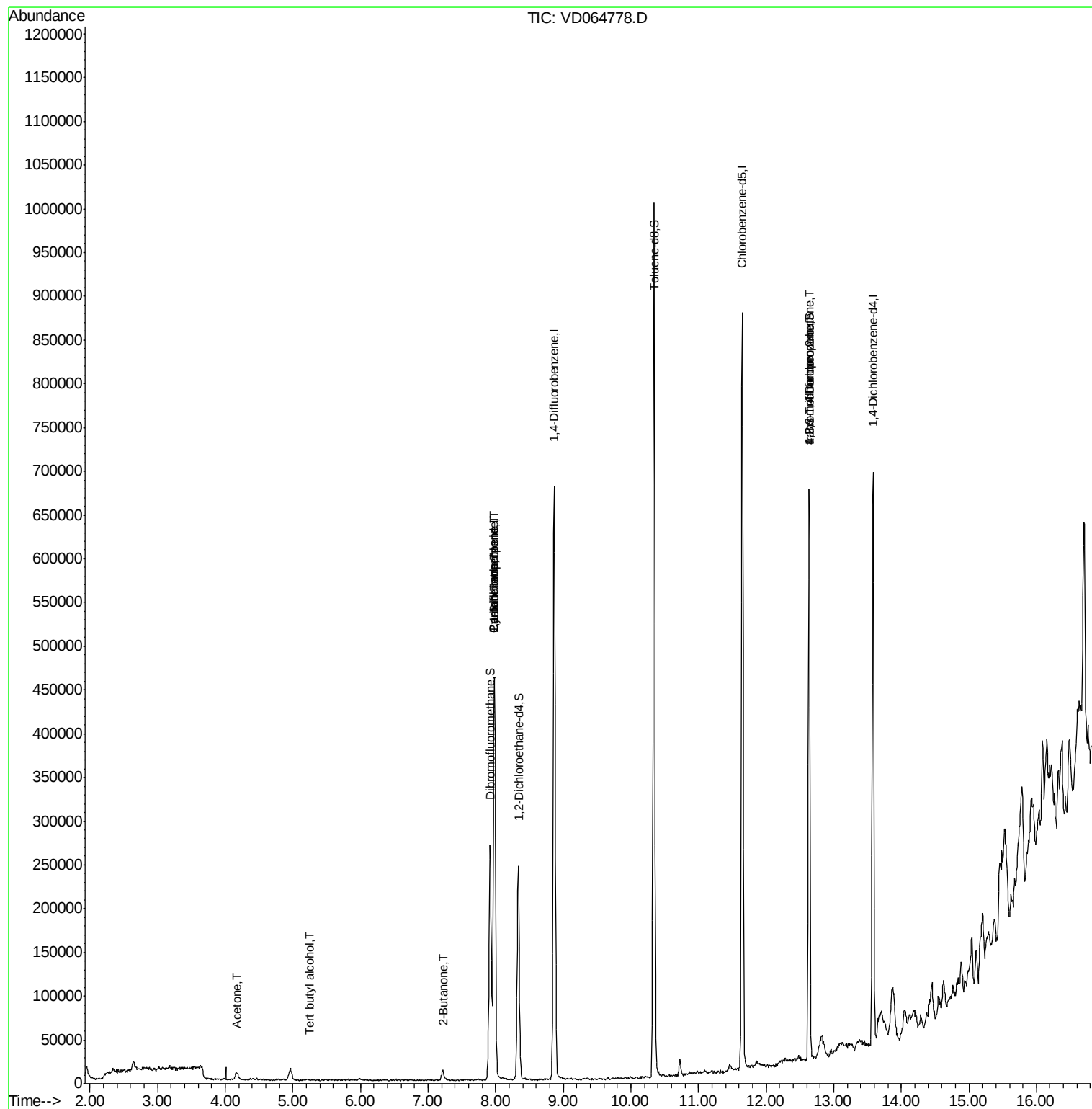
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	362170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	574557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	490771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	180389	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	193174	60.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.98%	
35) Dibromofluoromethane	7.92	113	182809	51.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.72%	
50) Toluene-d8	10.34	98	663701	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.64	95	193921	45.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.86%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.25	59	203	1.109	ug/l #	70
16) Acetone	4.17	43	14582	23.380	ug/l	93
20) Methylene Chloride	4.96	84	9894	Below Cal	#	90
25) 2-Butanone	7.23	43	2707	3.084	ug/l	98
31) Cyclohexane	7.98	56	8074	1.356	ug/l #	52
36) 1,1-Dichloropropene	7.98	75	26634	4.816	ug/l #	46
38) Carbon Tetrachloride	7.98	117	35075	5.948	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	104531	73.383	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	104531	153.478	ug/l #	11

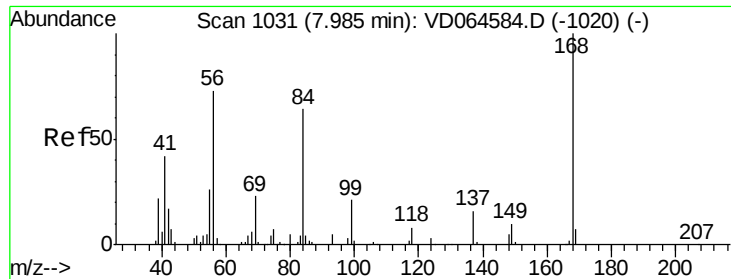
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD010620\
Data File : VD064778.D
Acq On : 06 Jan 2020 17:39
Operator : VA/SY
Sample : L1039-05
Misc : 8.1G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jan 07 00:37:36 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: VD064778.D

Acq: 06 Jan 2020 17:39

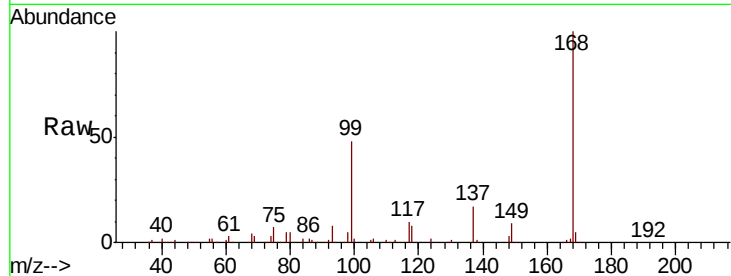
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 362170

Ion Ratio Lower Upper

168 100

99 48.2 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

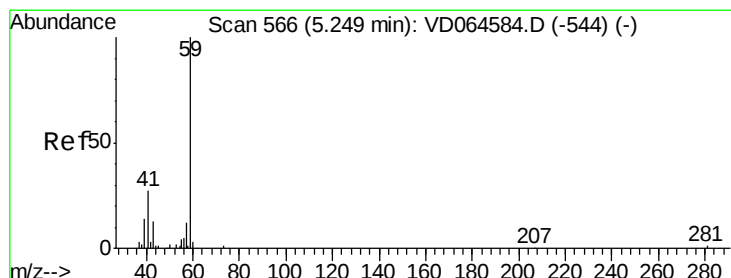
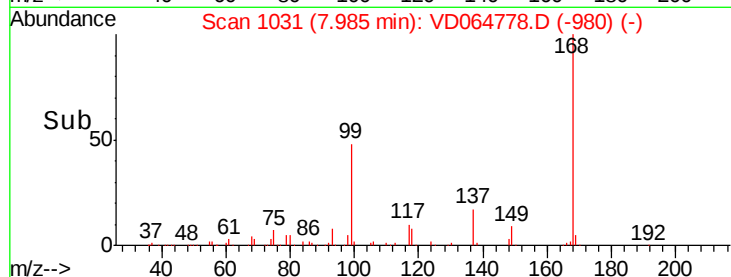
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.109 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.00 min

Lab File: VD064778.D

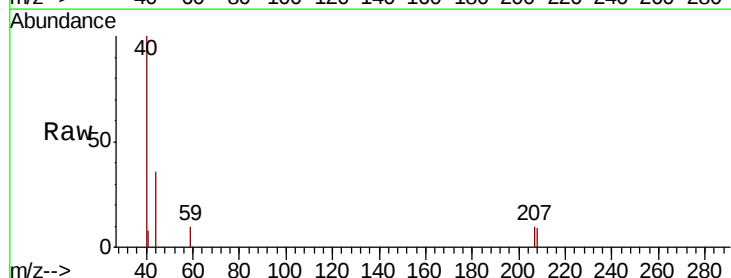
Acq: 06 Jan 2020 17:39

Tgt Ion: 59 Resp: 203

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

5.25

300

250

200

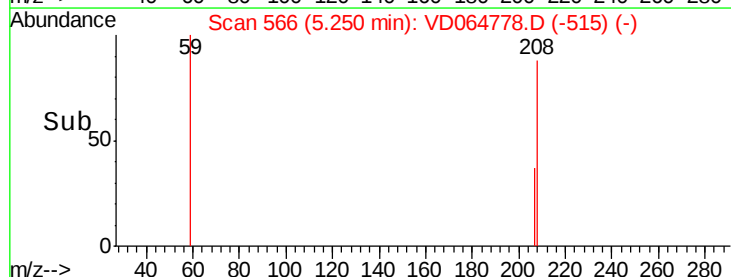
150

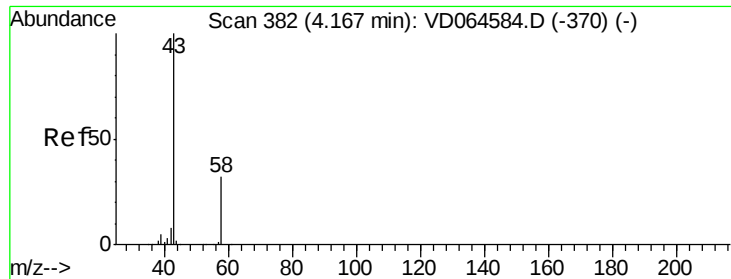
100

50

0

Time-->





#16

Acetone

Concen: 23.380 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064778.D

Acq: 06 Jan 2020 17:39

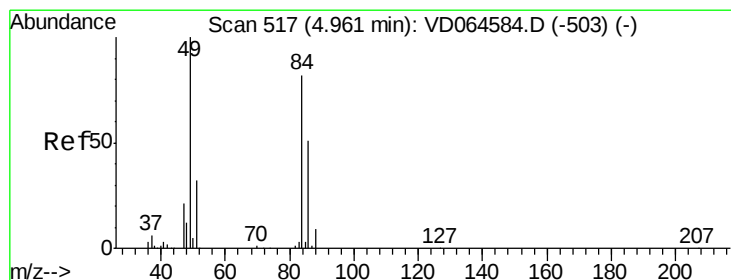
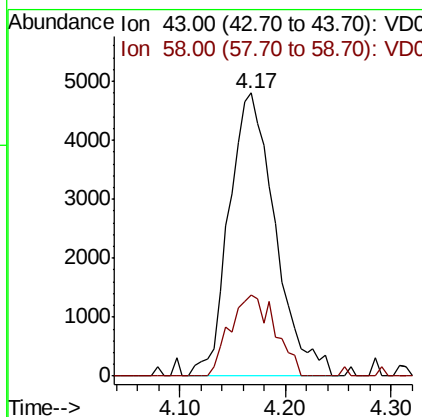
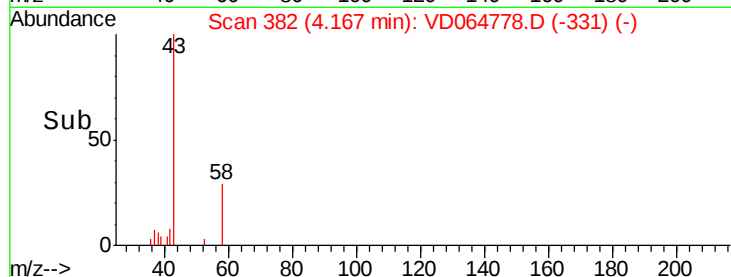
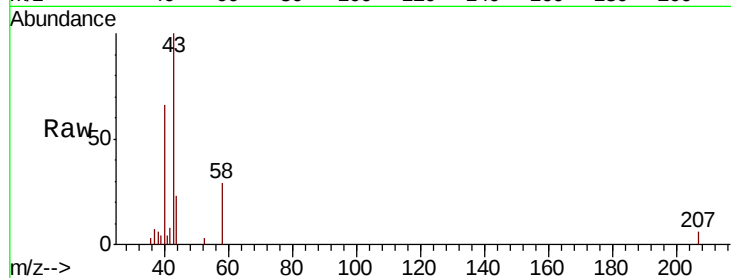
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 14582

Ion Ratio Lower Upper

43 100

58 28.5 25.8 38.6



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064778.D

Acq: 06 Jan 2020 17:39

Tgt Ion: 84 Resp: 9894

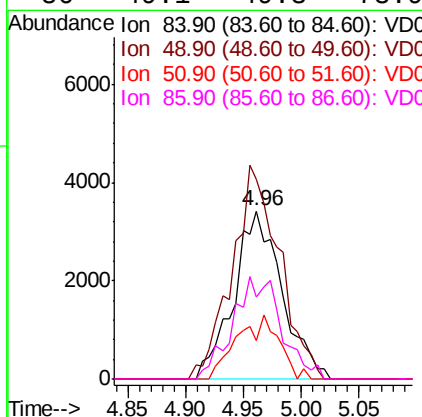
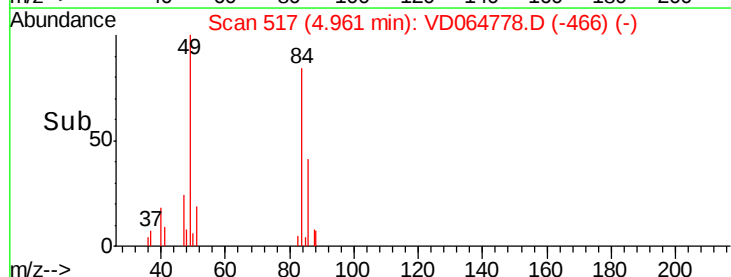
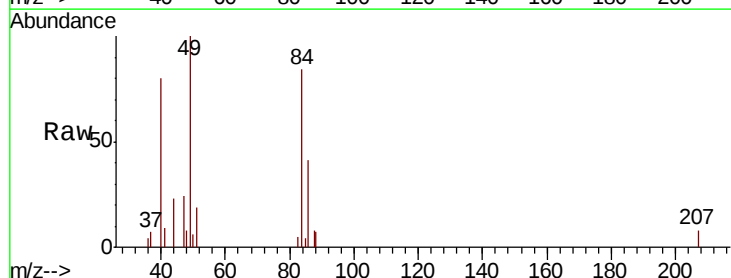
Ion Ratio Lower Upper

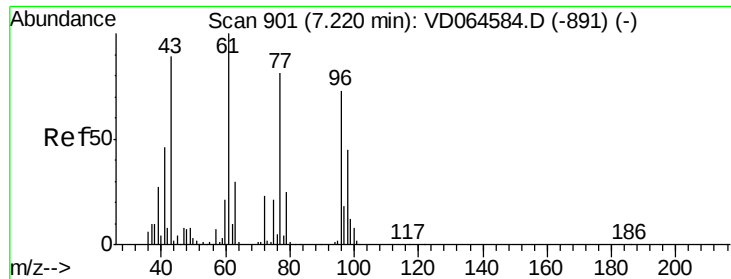
84 100

49 118.9 97.2 145.8

51 23.2 31.4 47.0#

86 49.1 49.3 73.9#

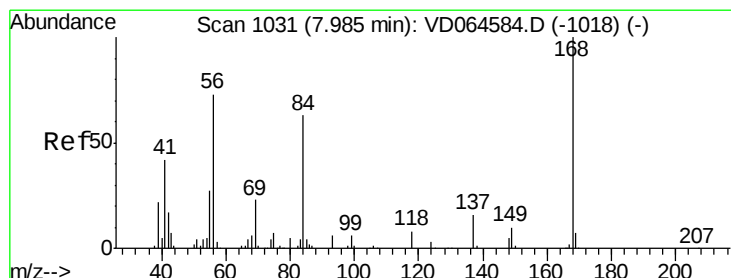
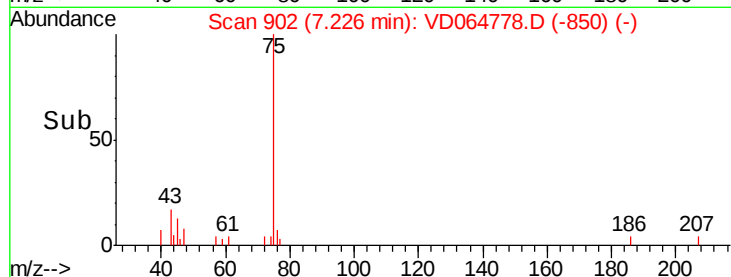
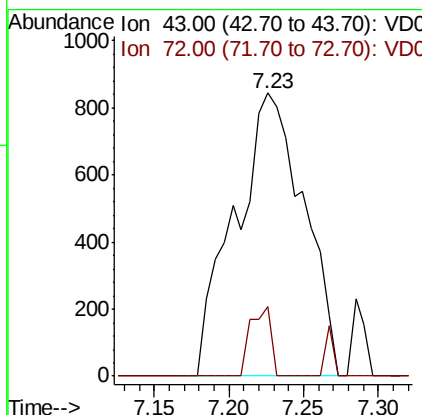
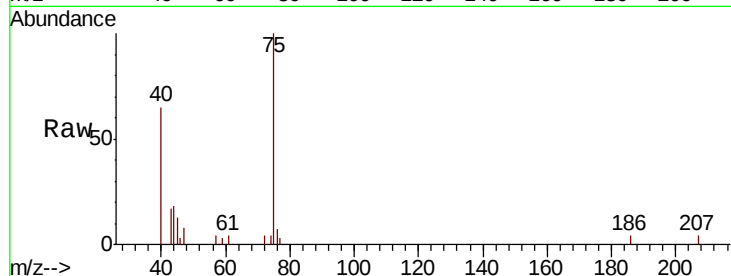




#25
2-Butanone
Concen: 3.084 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064778.D
Acq: 06 Jan 2020 17:39

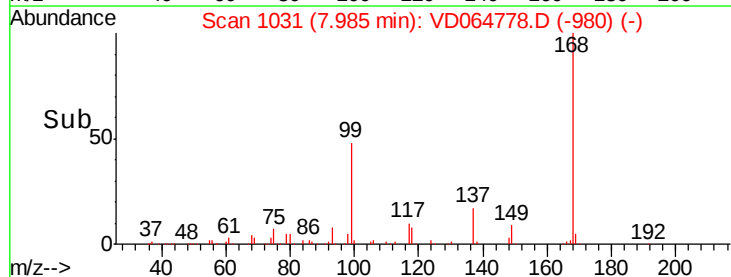
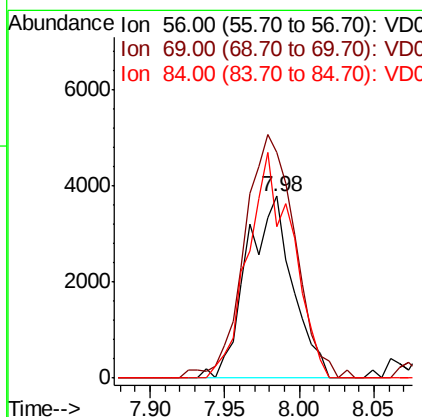
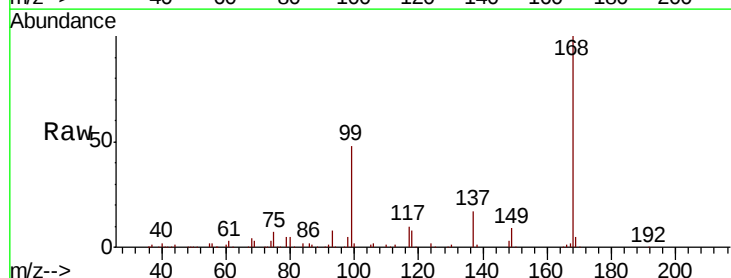
Instrument :
MSVOA_D
ClientSampled :

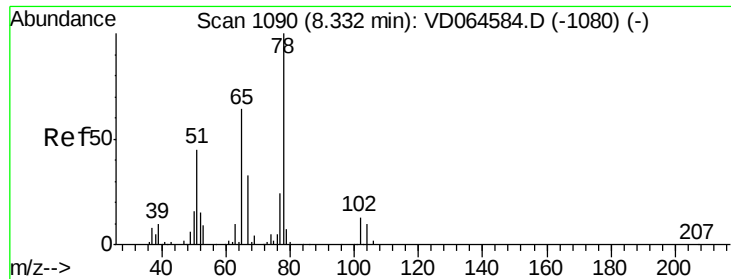
Tot Ion: 43 Resp: 2707
Ion Ratio Lower Upper
43 100
72 24.8 20.7 31.1



#31
Cyclohexane
Concen: 1.356 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064778.D
Acq: 06 Jan 2020 17:39

Tgt Ion: 56 Resp: 8074
Ion Ratio Lower Upper
56 100
69 124.5 24.7 37.1#
84 83.3 69.4 104.2

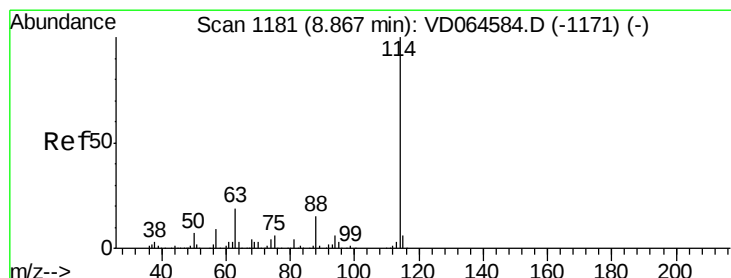
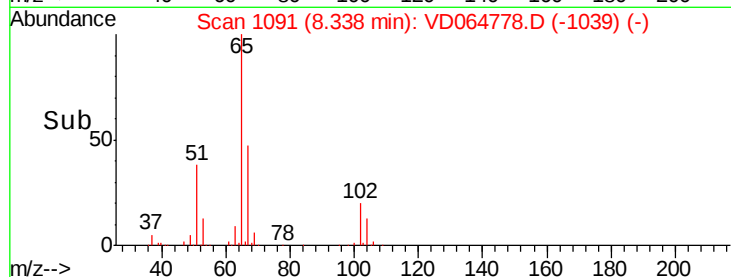
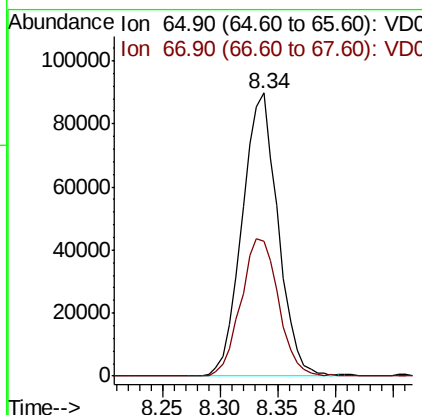
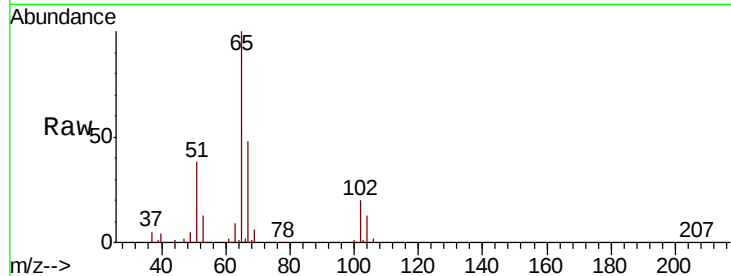




#33
 1,2-Dichloroethane-d4
 Concen: 60.488 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064778.D
 Acq: 06 Jan 2020 17:39

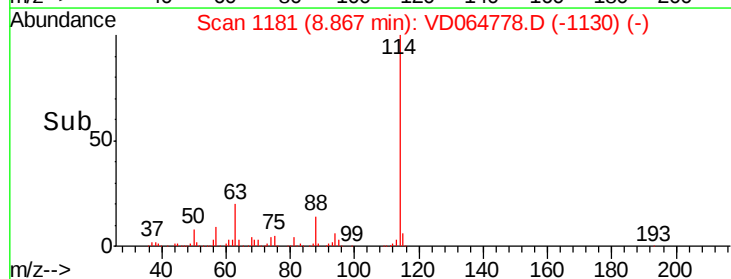
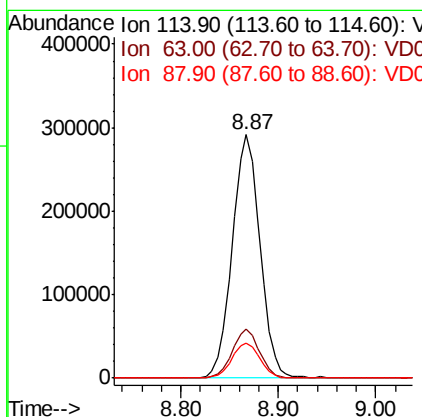
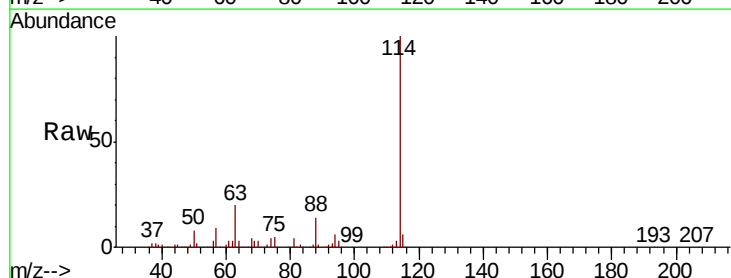
Instrument :
 MSVOA_D
 ClientSampled :

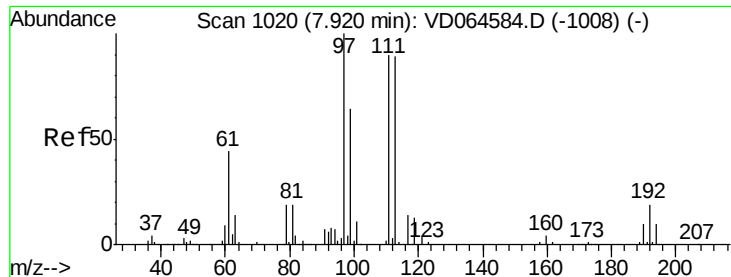
Tot Ion: 65 Resp: 193174
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064778.D
 Acq: 06 Jan 2020 17:39

Tgt Ion: 114 Resp: 574557
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 38.0
 88 14.3 0.0 29.2

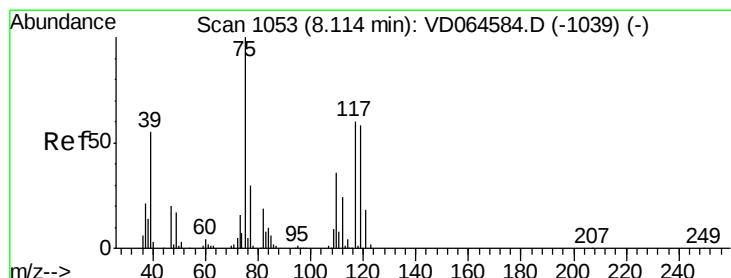
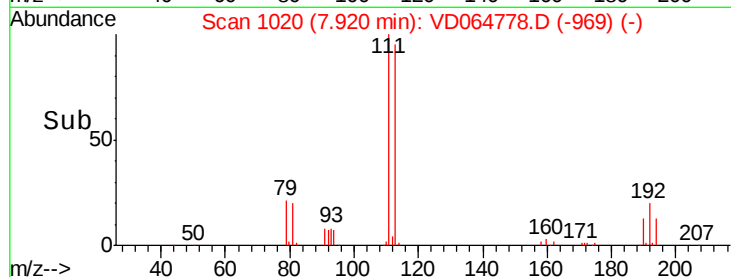
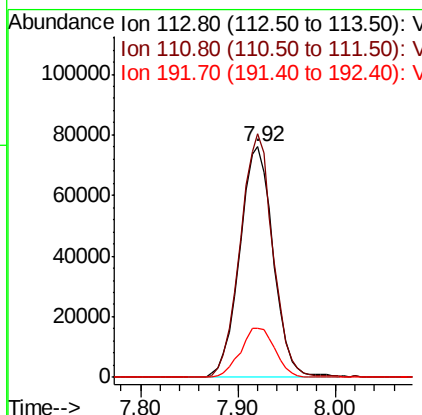
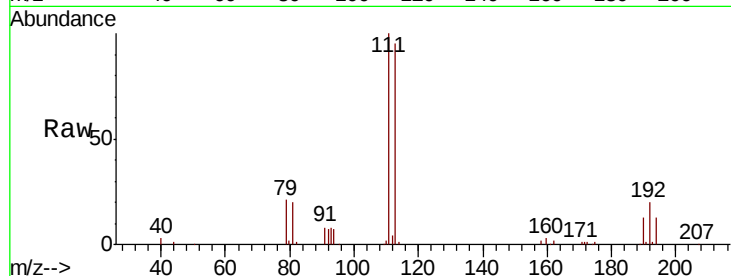




#35
 Dibromofluoromethane
 Concen: 51.861 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064778.D
 Acq: 06 Jan 2020 17:39

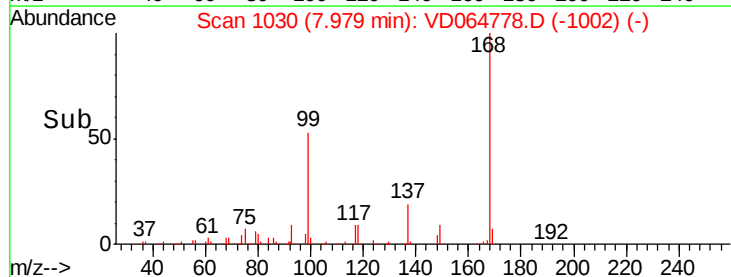
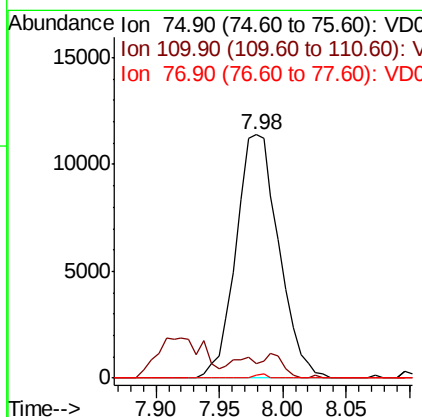
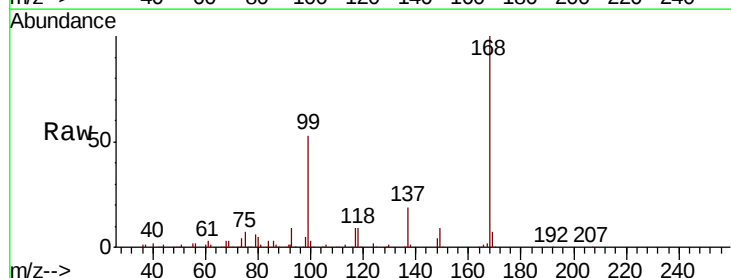
Instrument :
 MSVOA_D
 ClientSampleId :

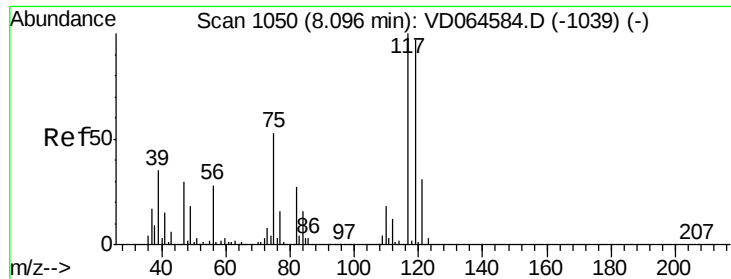
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.6	121.0
192	22.2	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 4.816 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064778.D
 Acq: 06 Jan 2020 17:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.8	18.1	54.1#
77	0.5	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.948 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064778.D

Acq: 06 Jan 2020 17:39

Instrument :

MSVOA_D

ClientSampled :

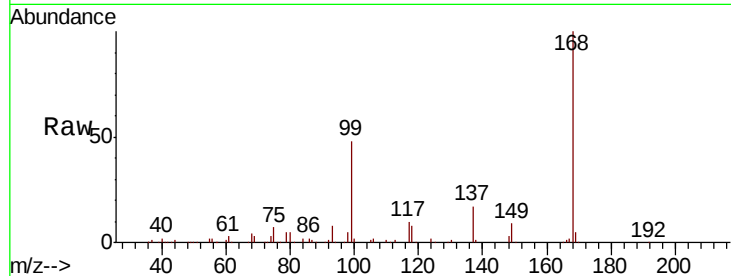
Tot Ion:117 Resp: 35075

Ion Ratio Lower Upper

117 100

119 4.1 77.3 115.9#

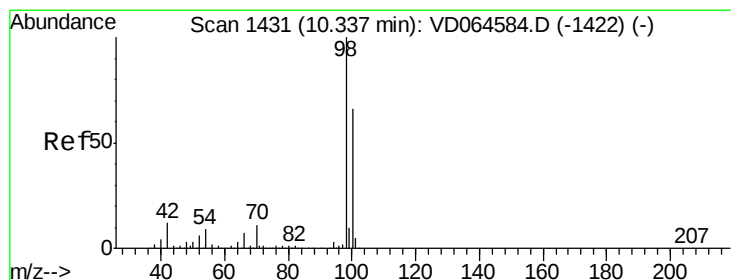
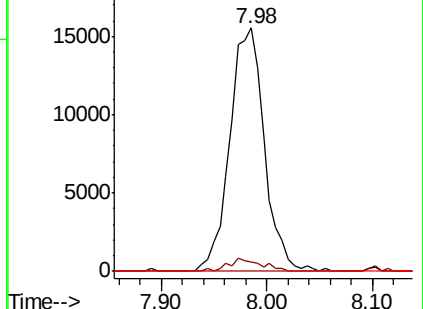
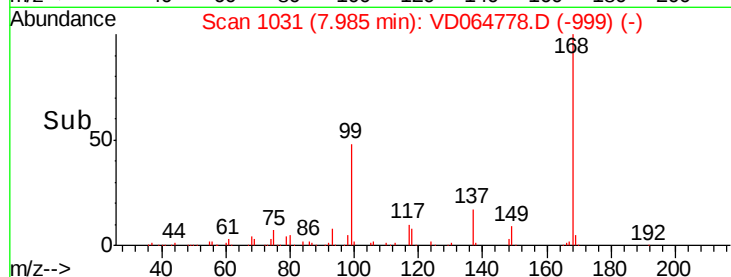
121 0.0 25.0 37.6#



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: 49.162 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064778.D

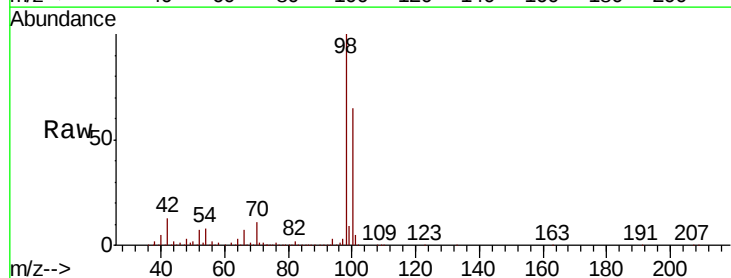
Acq: 06 Jan 2020 17:39

Tgt Ion: 98 Resp: 663701

Ion Ratio Lower Upper

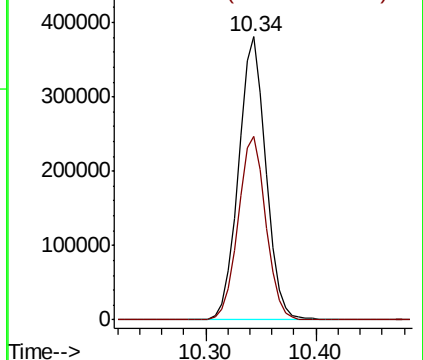
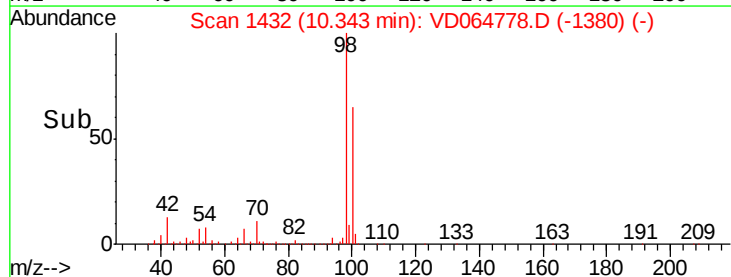
98 100

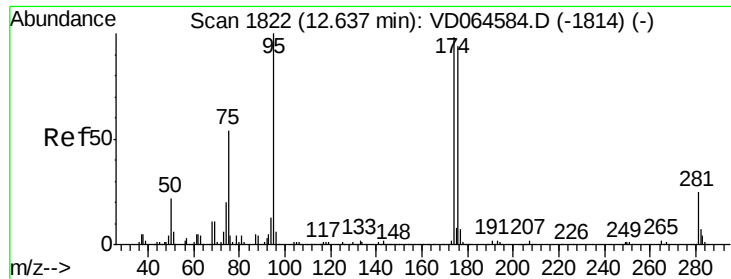
100 65.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

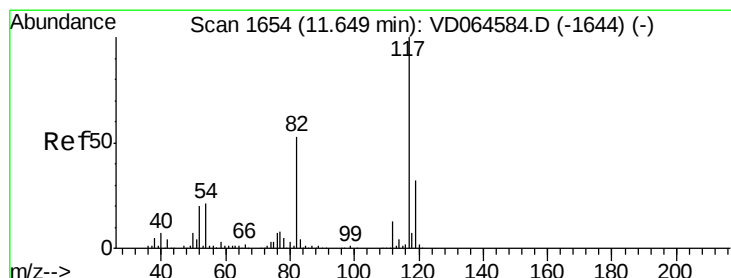
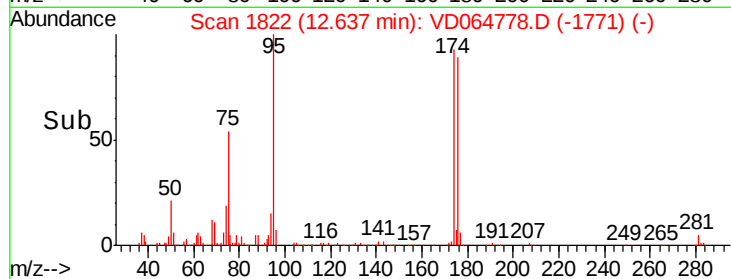
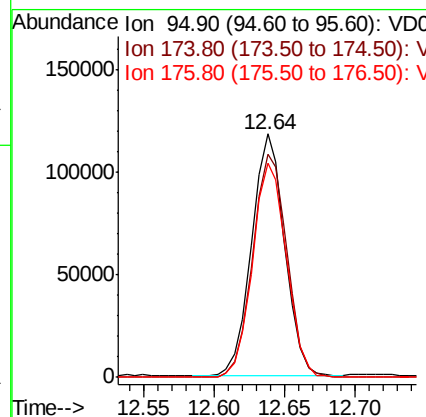
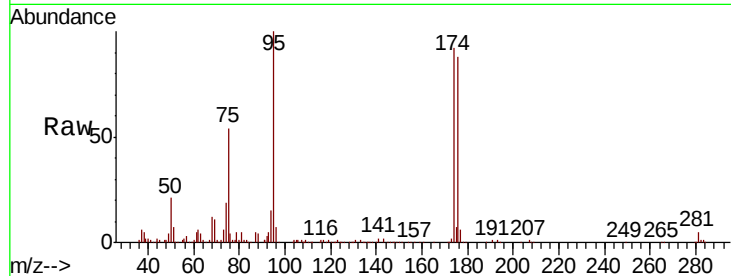




#62
4-Bromofluorobenzene
Concen: 45.426 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064778.D
Acq: 06 Jan 2020 17:39

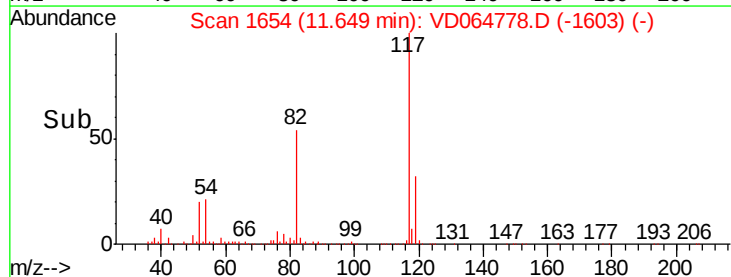
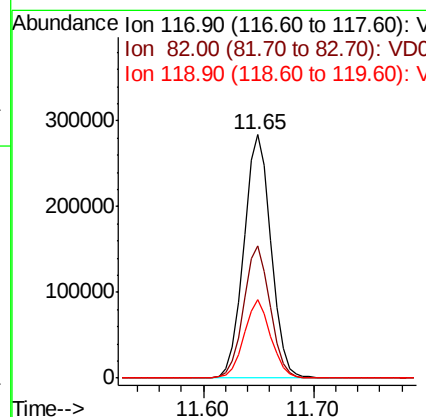
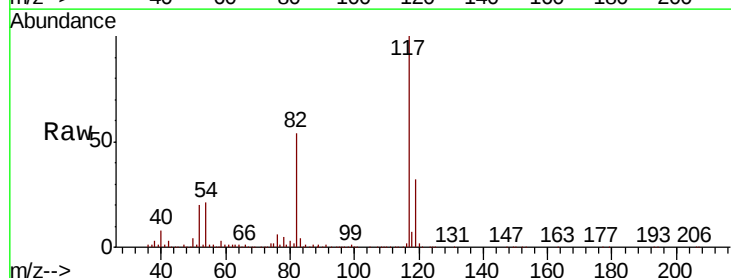
Instrument :
MSVOA_D
ClientSampleId :

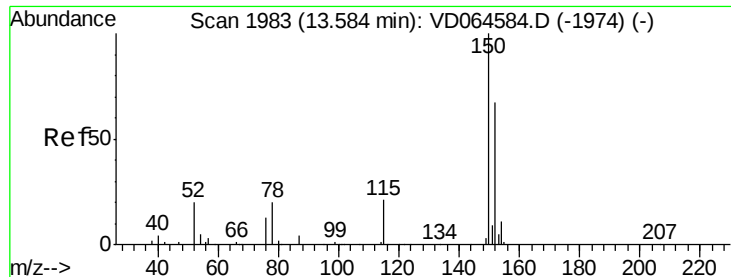
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.7	0.0	193.2
176	90.9	0.0	184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064778.D
Acq: 06 Jan 2020 17:39

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.2	63.4
119	32.2	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: VD064778.D

Acq: 06 Jan 2020 17:39

Instrument :

MSVOA_D

ClientSampleId :

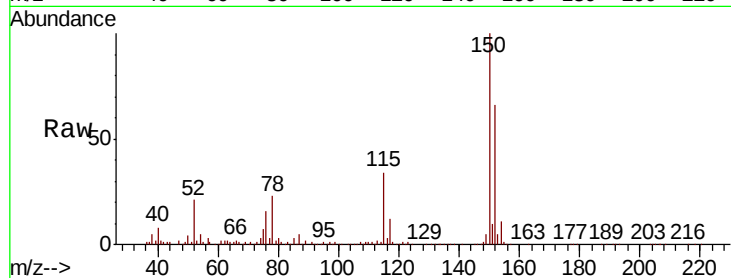
Tot Ion:152 Resp: 180389

Ion Ratio Lower Upper

152 100

115 54.1 27.8 83.4

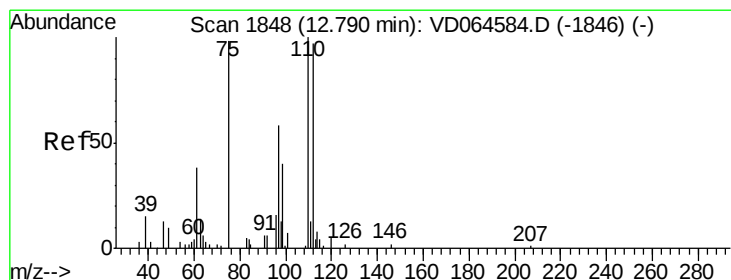
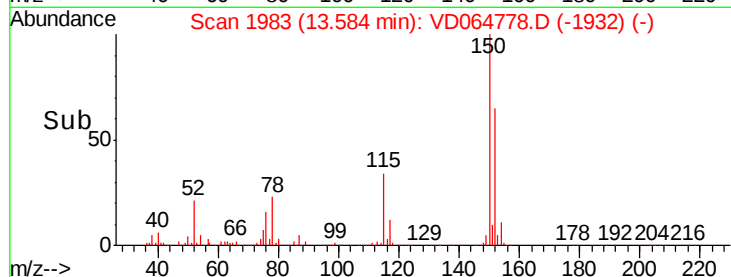
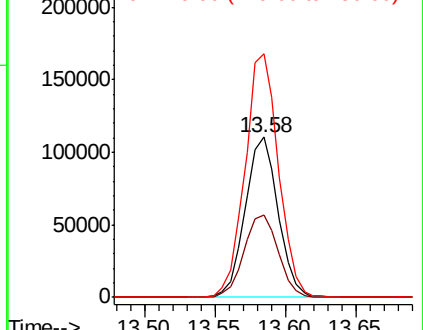
150 154.8 0.0 351.4



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: 73.383 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064778.D

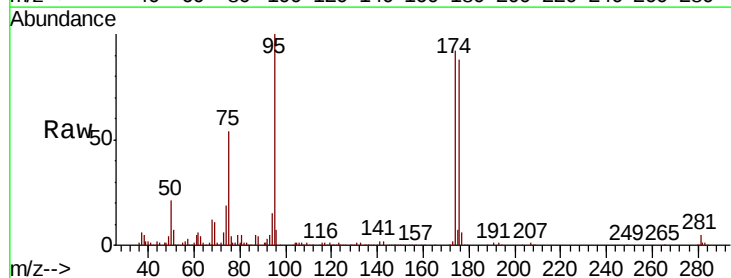
Acq: 06 Jan 2020 17:39

Tgt Ion: 75 Resp: 104531

Ion Ratio Lower Upper

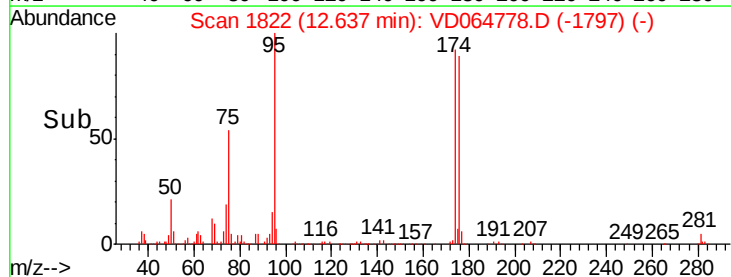
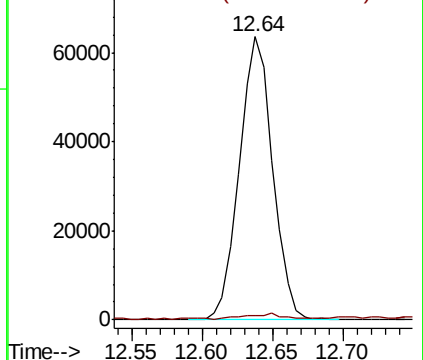
75 100

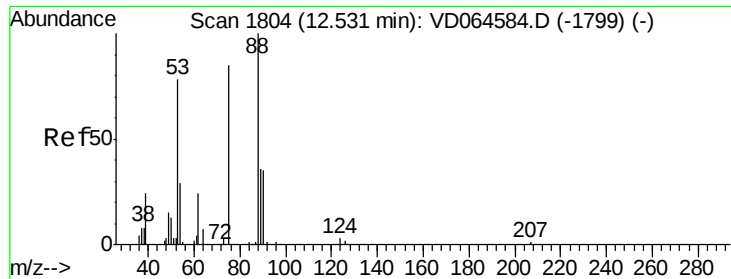
77 2.5 0.0 0.0#



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: 153.478 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064778.D

Acq: 06 Jan 2020 17:39

Instrument :

MSVOA_D

ClientSampleId :

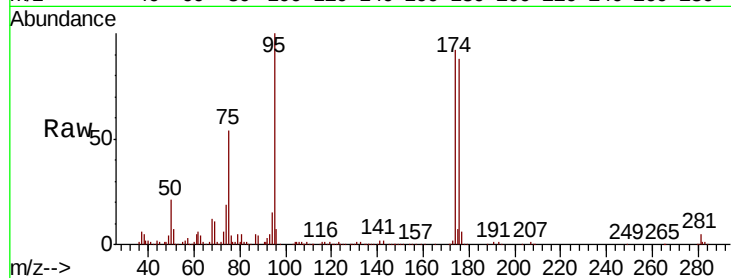
Tot Ion: 75 Resp: 104531

Ion Ratio Lower Upper

75 100

53 1.3 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

