

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010620\
 Data File : VD064779.D
 Acq On : 06 Jan 2020 18:08
 Operator : VA/SY
 Sample : L1037-01
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 07 00:37:48 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

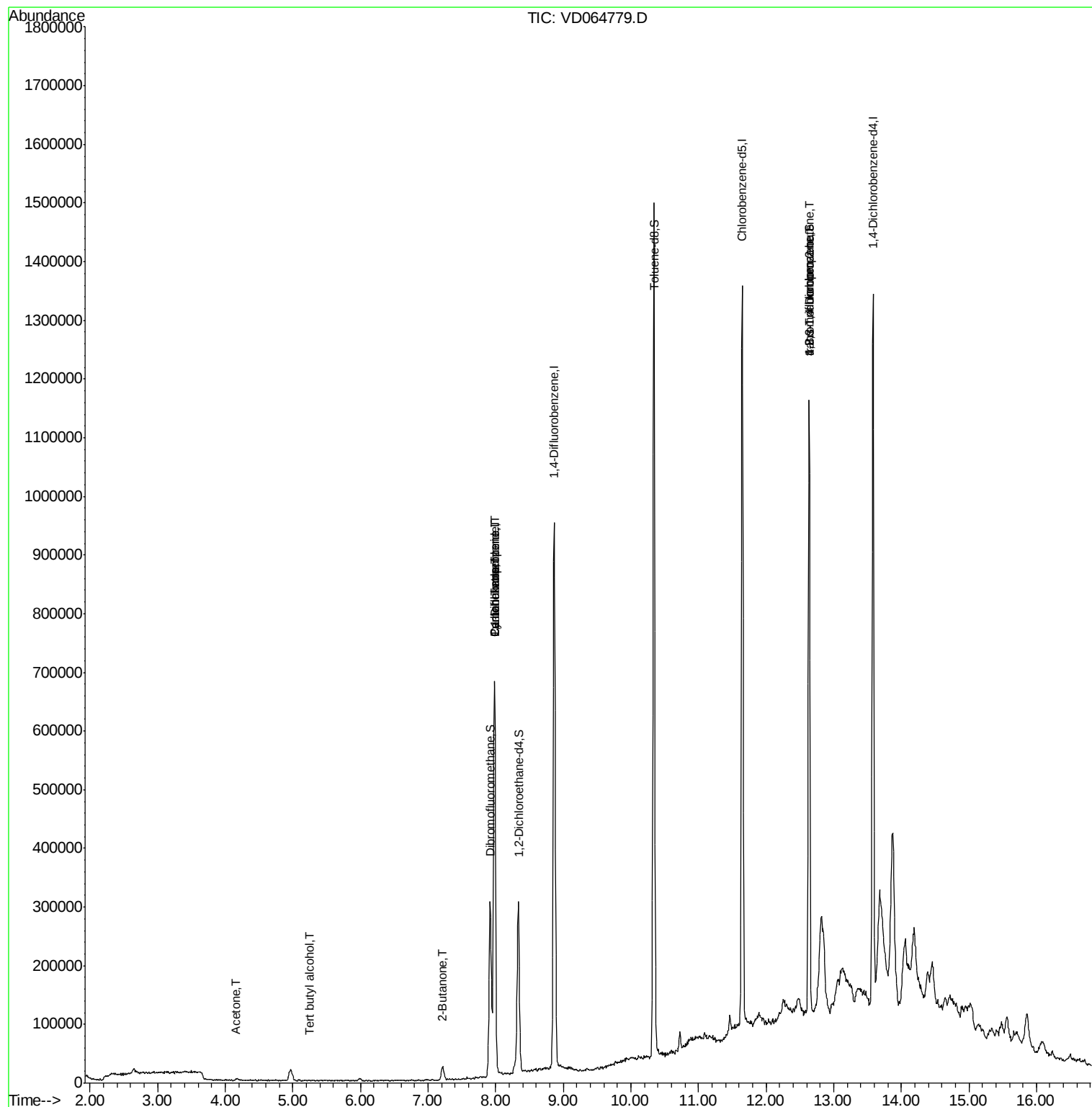
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	524328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	814102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	725937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	329682	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	236929	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
35) Dibromofluoromethane	7.92	113	205096	41.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.12%	
50) Toluene-d8	10.34	98	973480	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.64	95	303635	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.40%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.25	59	637	2.404	ug/l #	70
16) Acetone	4.16	43	2828	6.746	ug/l	89
20) Methylene Chloride	4.97	84	15015	Below Cal		93
25) 2-Butanone	7.21	43	1392	1.095	ug/l #	49
31) Cyclohexane	7.98	56	12465	1.446	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	40283	5.141	ug/l #	51
38) Carbon Tetrachloride	7.98	117	48661	5.824	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	165176	63.447	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	165176	132.697	ug/l #	10

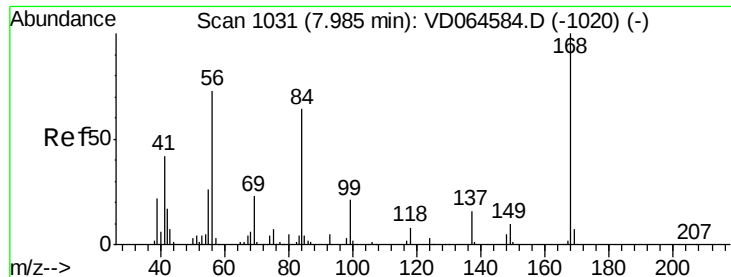
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD010620\
Data File : VD064779.D
Acq On : 06 Jan 2020 18:08
Operator : VA/SY
Sample : L1037-01
Misc : 5.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jan 07 00:37:48 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: VD064779.D

Acq: 06 Jan 2020 18:08

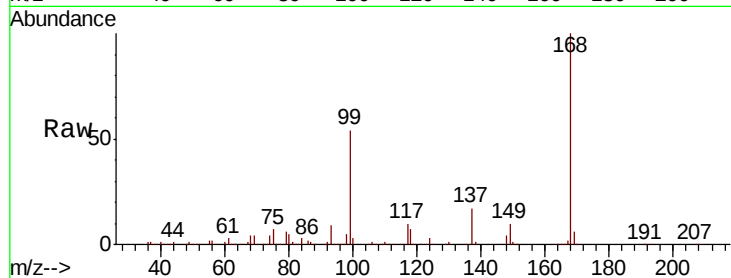
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 524328

Ion Ratio Lower Upper

168 100

99 53.7 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

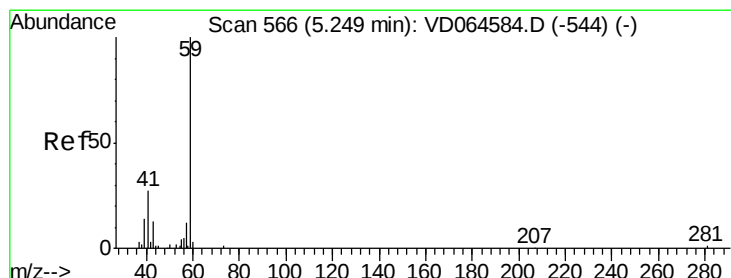
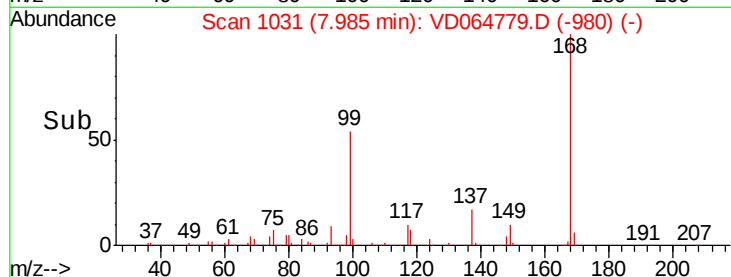
100000

50000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.404 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.00 min

Lab File: VD064779.D

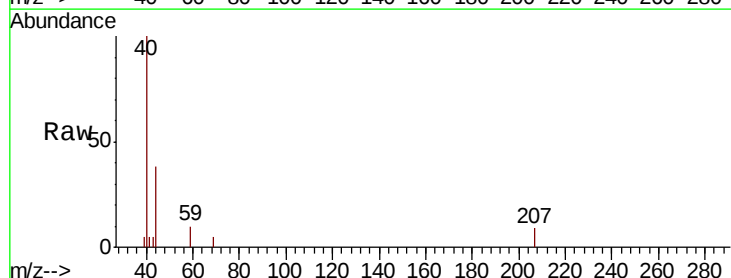
Acq: 06 Jan 2020 18:08

Tgt Ion: 59 Resp: 637

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

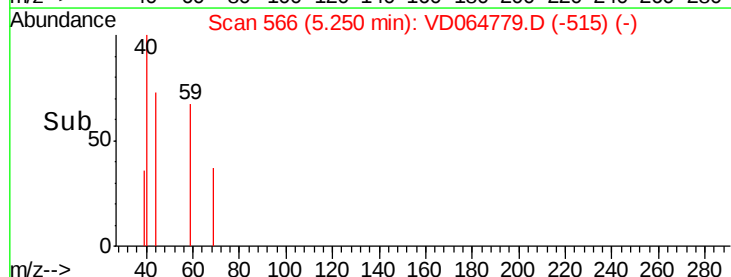
200

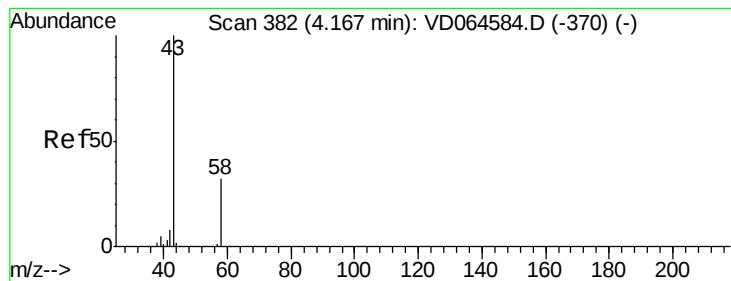
100

0

Time-->

5.20 5.25 5.30





#16

Acetone

Concen: 6.746 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064779.D

Acq: 06 Jan 2020 18:08

Instrument :

MSVOA_D

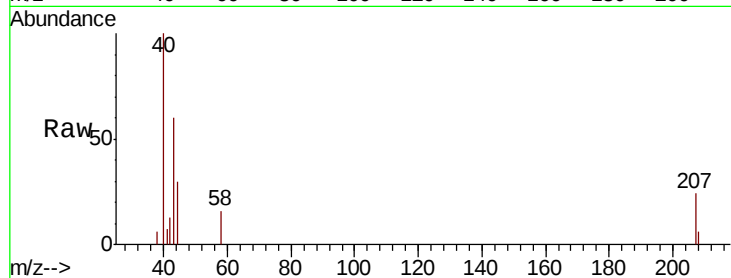
ClientSampleId :

Tot Ion: 43 Resp: 2828

Ion Ratio Lower Upper

43 100

58 26.0 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

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

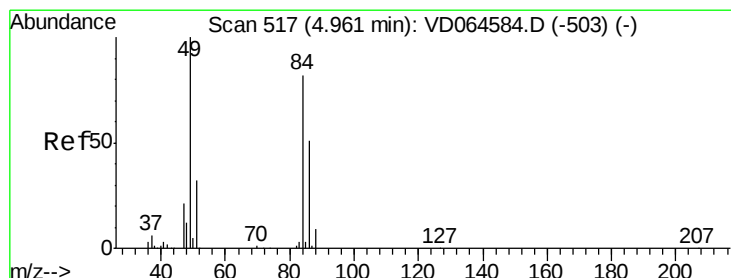
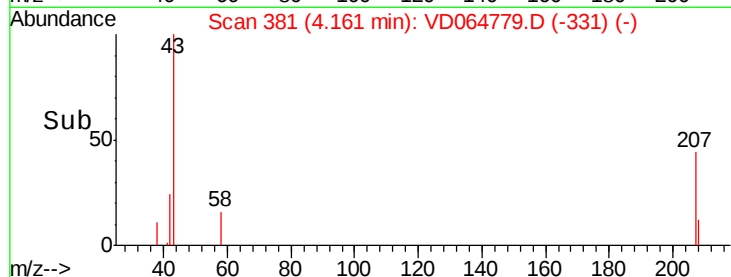
4.16

4.16

4.16

4.16

4.16



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064779.D

Acq: 06 Jan 2020 18:08

Tgt Ion: 84 Resp: 15015

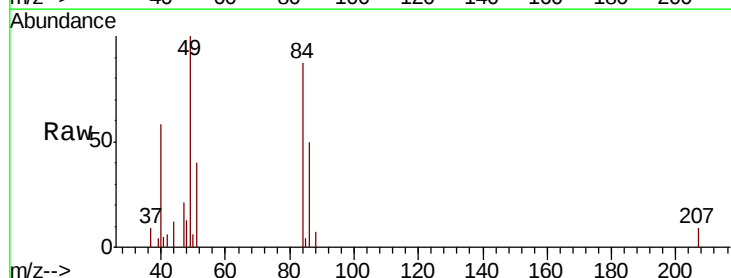
Ion Ratio Lower Upper

84 100

49 114.9 97.2 145.8

51 45.7 31.4 47.0

86 57.3 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

4.97

4.97

4.97

4.97

4.97

4.97

4.97

4.97

4.97

4.97

4.97

4.97

4.97

4.97

4.97

4.97

4.97

4.97

4.97

4.97

4.97

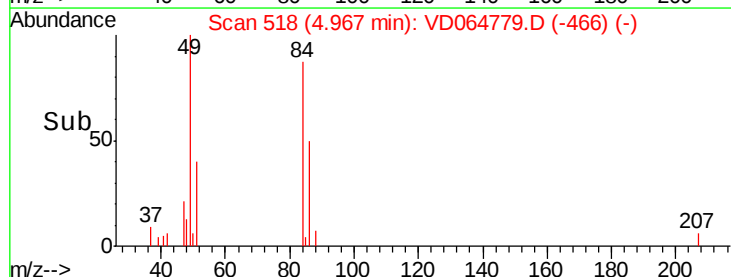
4.97

4.97

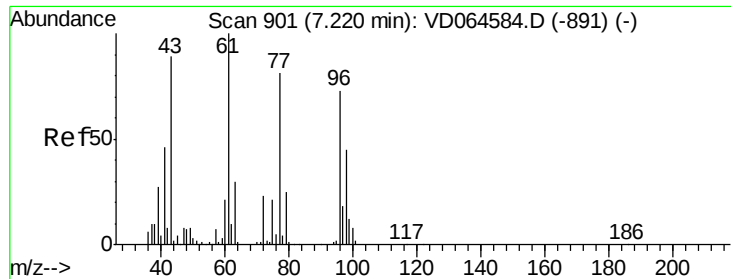
4.97

4.97

4.97



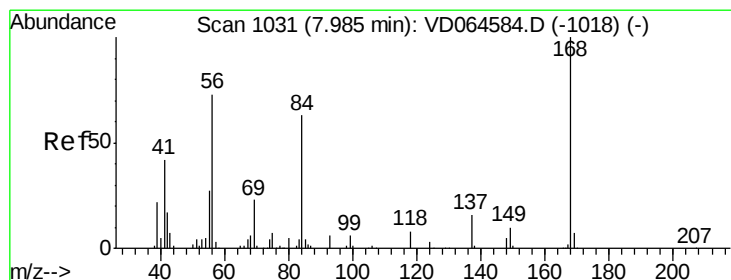
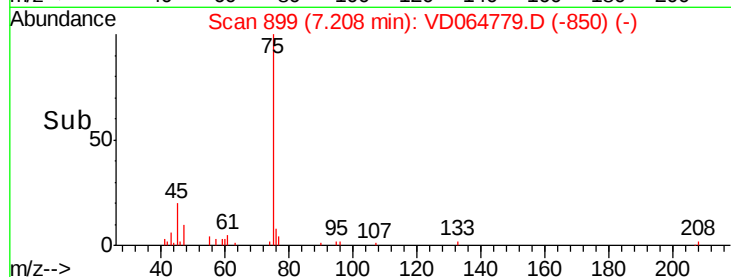
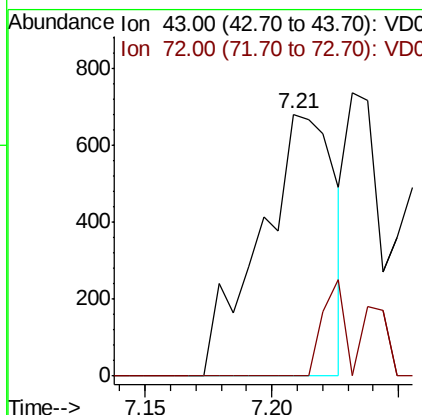
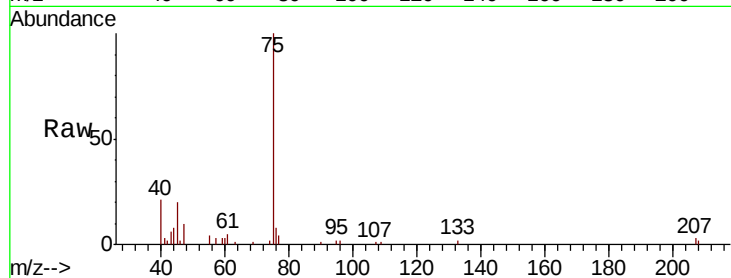
Time-->



#25
2-Butanone
Concen: 1.095 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064779.D
Acq: 06 Jan 2020 18:08

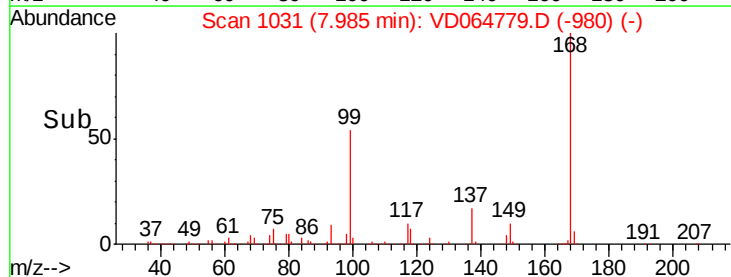
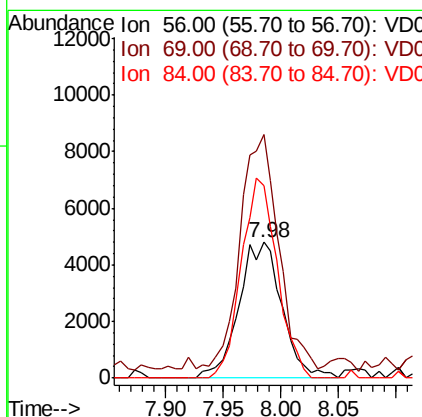
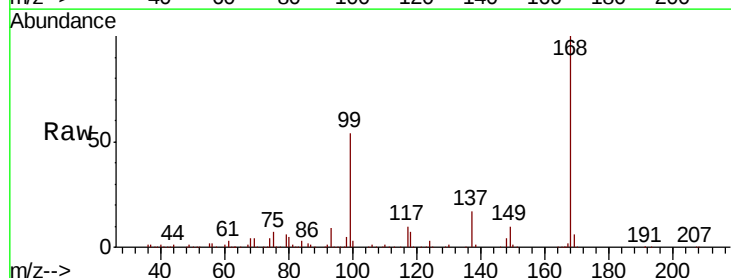
Instrument :
MSVOA_D
ClientSampleId :

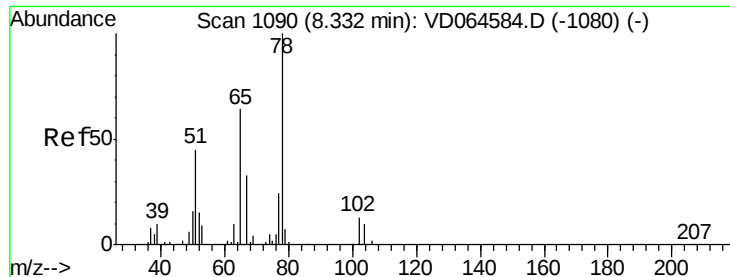
Tot Ion: 43 Resp: 1392
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#31
Cyclohexane
Concen: 1.446 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064779.D
Acq: 06 Jan 2020 18:08

Tgt Ion: 56 Resp: 12465
Ion Ratio Lower Upper
56 100
69 164.9 24.7 37.1#
84 141.3 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 51.245 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064779.D

Acq: 06 Jan 2020 18:08

Instrument :

MSVOA_D

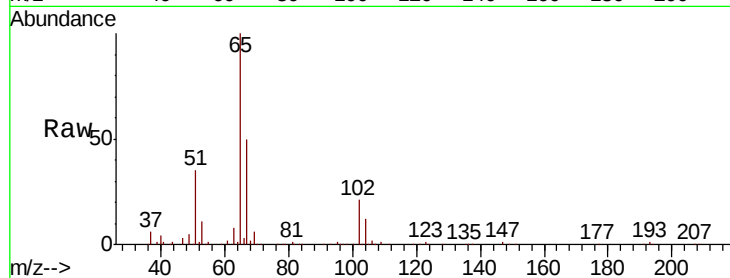
ClientSampleId :

Tot Ion: 65 Resp: 236929

Ion Ratio Lower Upper

65 100

67 50.8 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

120000

100000

80000

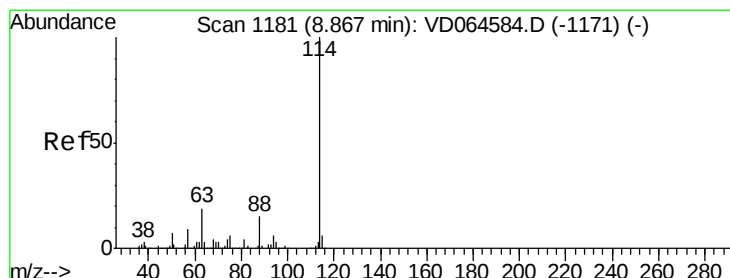
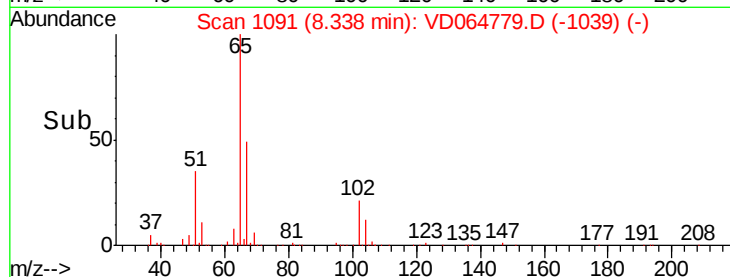
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064779.D

Acq: 06 Jan 2020 18:08

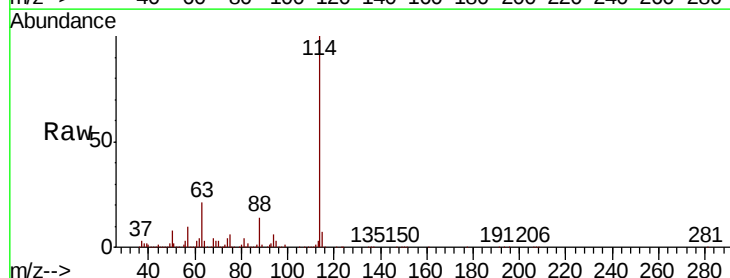
Tgt Ion: 114 Resp: 814102

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.0

88 14.5 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

500000

400000

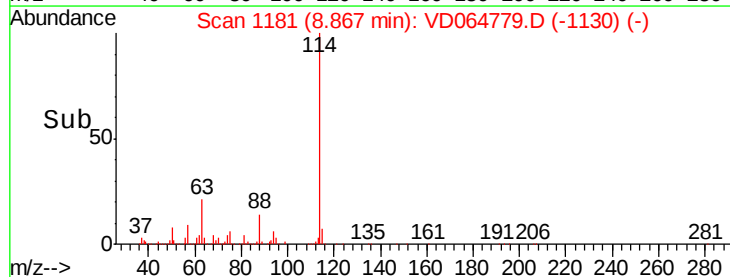
300000

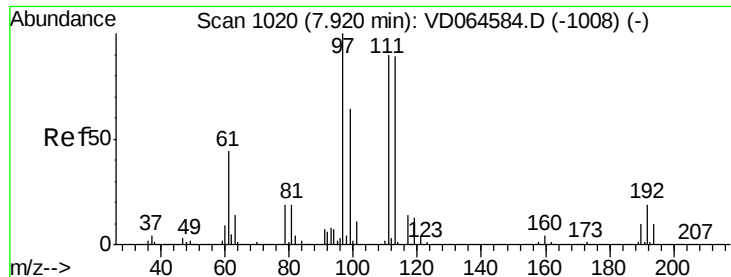
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 41.063 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064779.D

Acq: 06 Jan 2020 18:08

Instrument :
MSVOA_D
ClientSampleId :

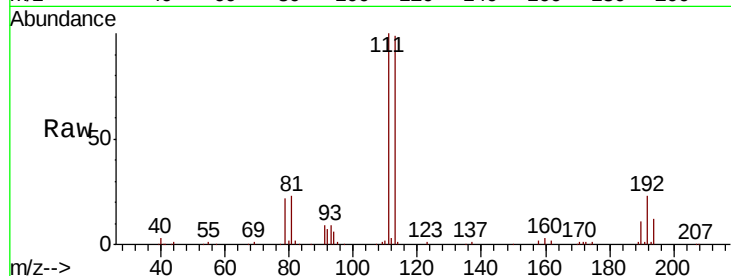
Tot Ion:113 Resp: 205096

Ion Ratio Lower Upper

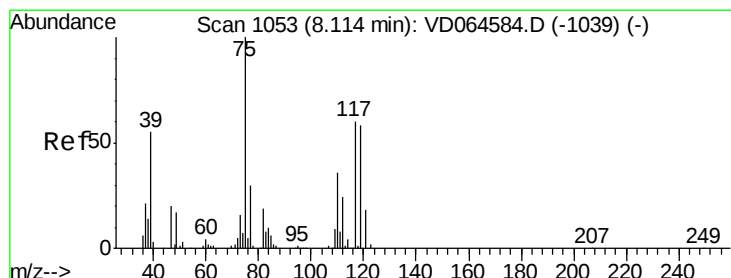
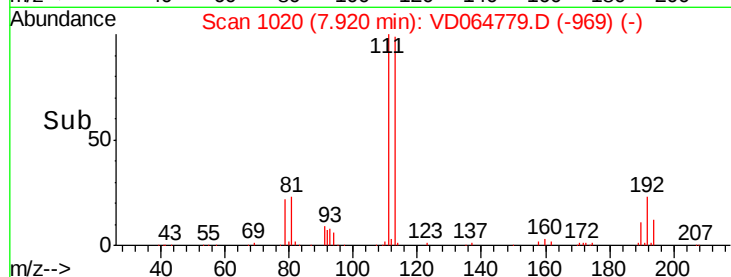
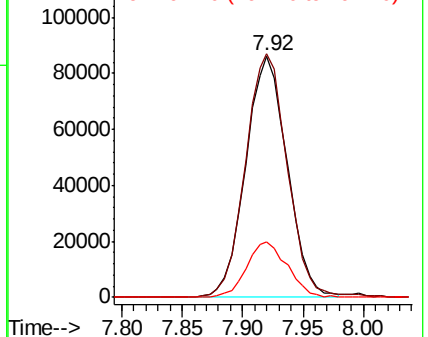
113 100

111 102.4 80.6 121.0

192 22.6 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: 5.141 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064779.D

Acq: 06 Jan 2020 18:08

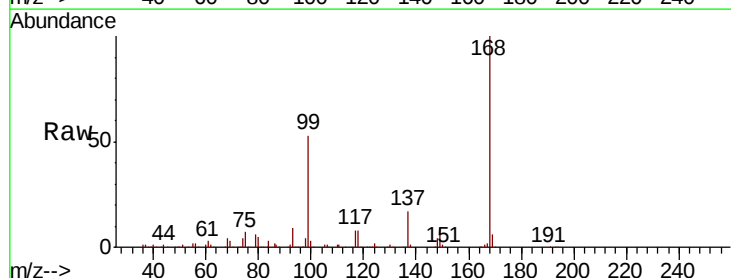
Tgt Ion: 75 Resp: 40283

Ion Ratio Lower Upper

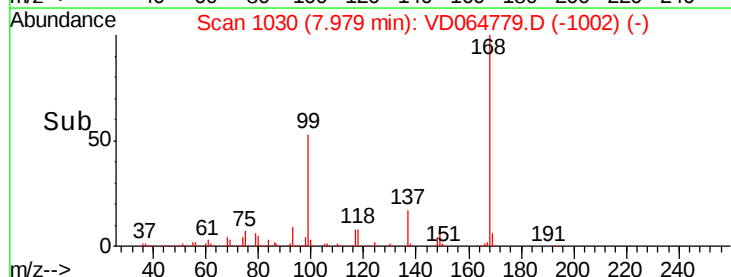
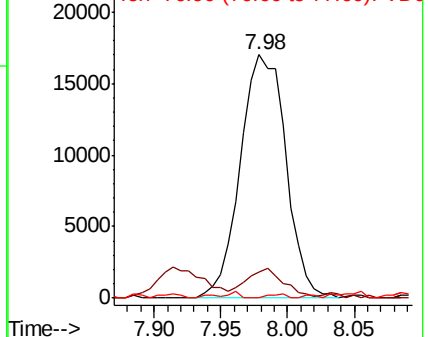
75 100

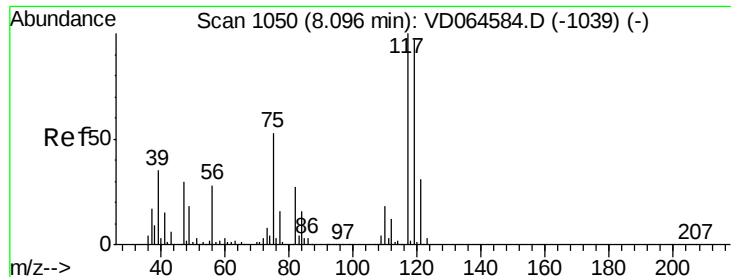
110 10.2 18.1 54.1#

77 0.5 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

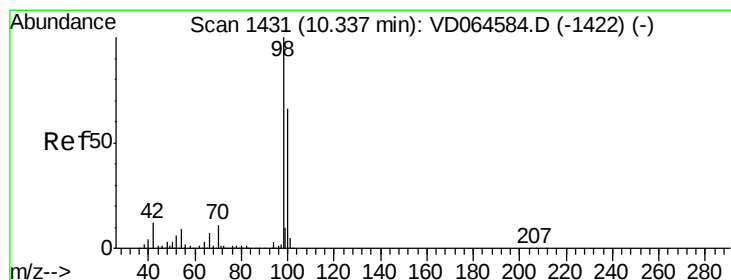
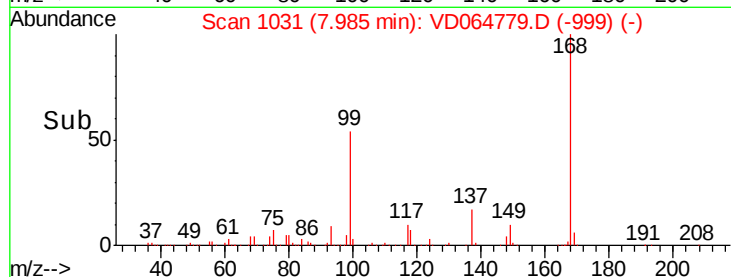
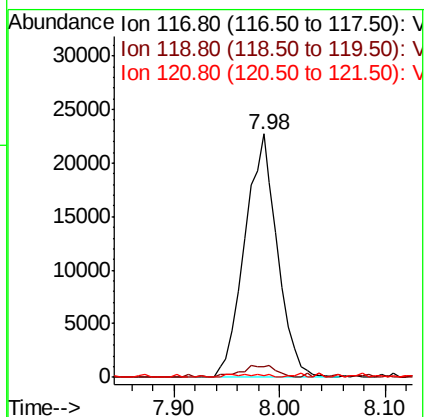
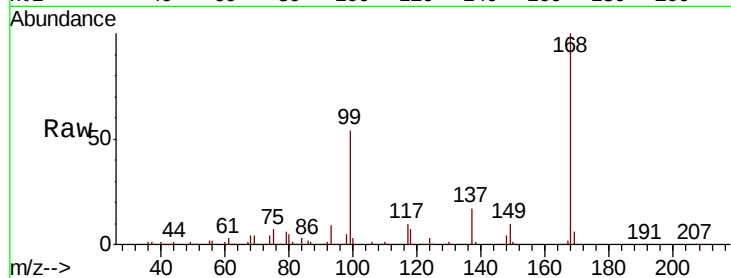




#38
Carbon Tetrachloride
Concen: 5.824 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064779.D
Acq: 06 Jan 2020 18:08

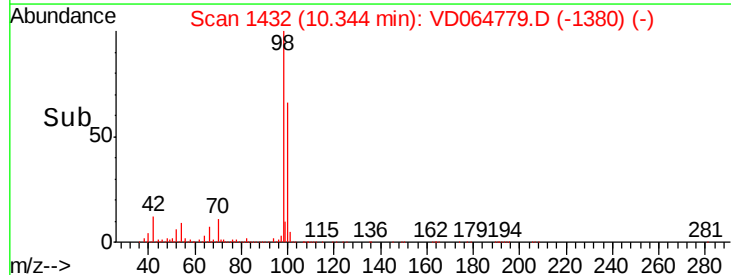
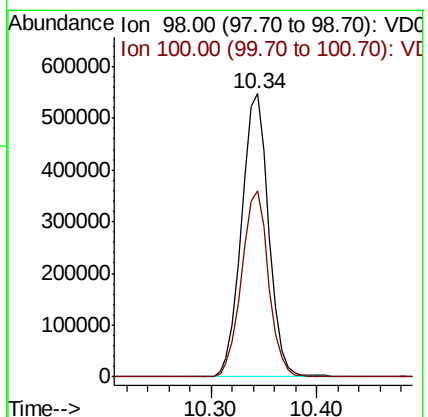
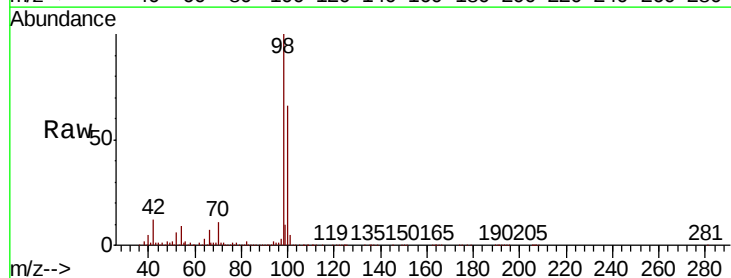
Instrument :
MSVOA_D
ClientSampleId :

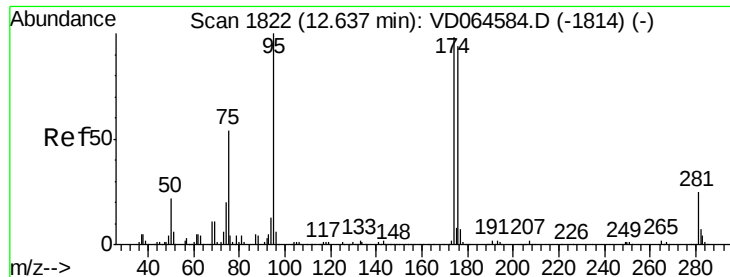
Tot Ion:117 Resp: 48661
Ion Ratio Lower Upper
117 100
119 3.2 77.3 115.9#
121 0.8 25.0 37.6#



#50
Toluene-d8
Concen: 50.890 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064779.D
Acq: 06 Jan 2020 18:08

Tgt Ion: 98 Resp: 973480
Ion Ratio Lower Upper
98 100
100 65.6 51.7 77.5

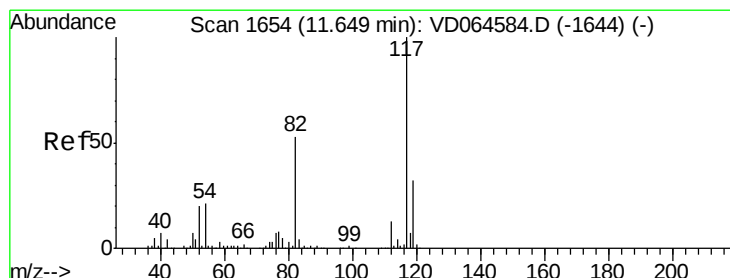
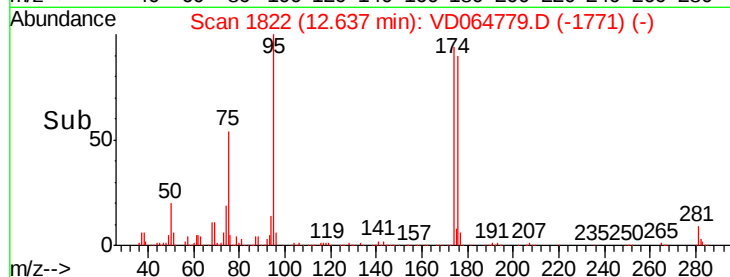
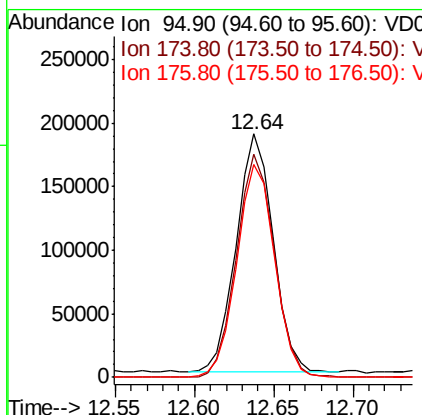
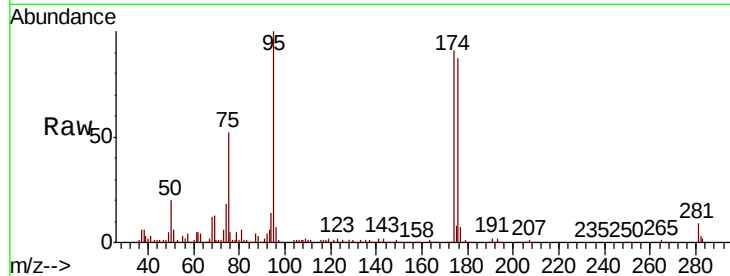




#62
4-Bromofluorobenzene
Concen: 50.198 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064779.D
Acq: 06 Jan 2020 18:08

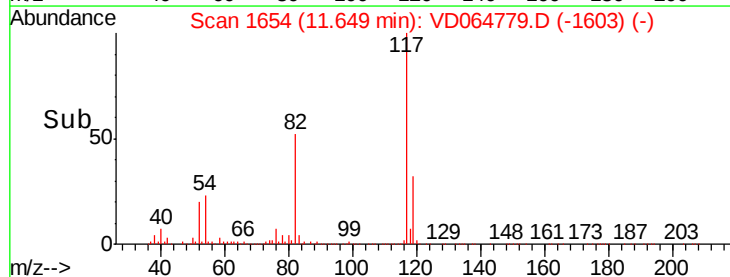
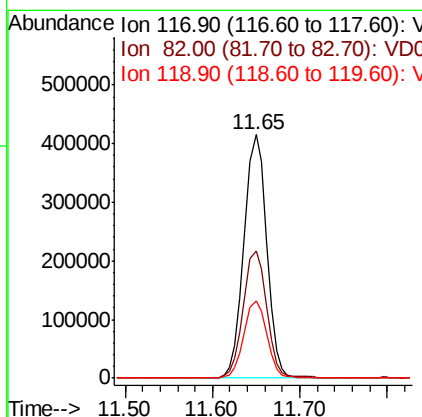
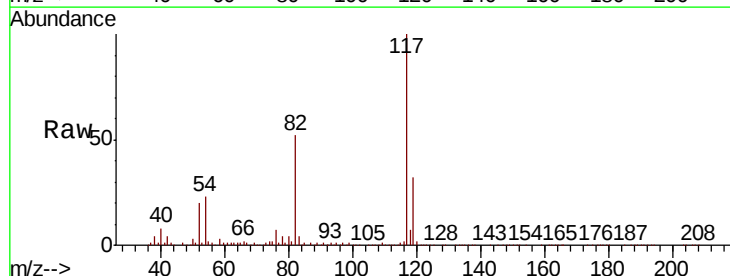
Instrument :
MSVOA_D
ClientSampleId :

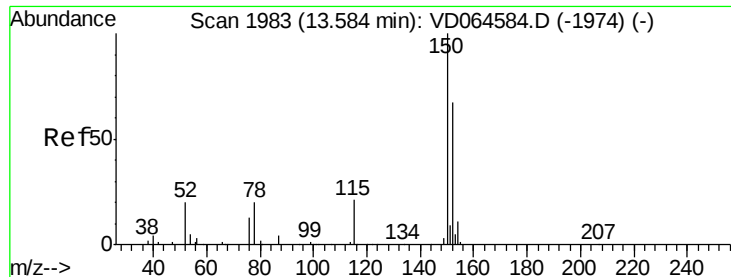
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	193.2
176	91.2	0.0	184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064779.D
Acq: 06 Jan 2020 18:08

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.2	63.4
119	31.5	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: VD064779.D

Acq: 06 Jan 2020 18:08

Instrument :

MSVOA_D

ClientSampleId :

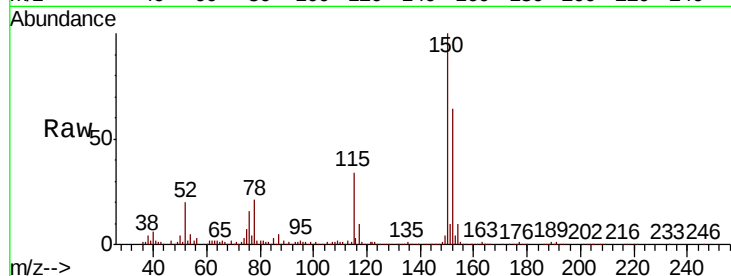
Tot Ion:152 Resp: 329682

Ion Ratio Lower Upper

152 100

115 54.5 27.8 83.4

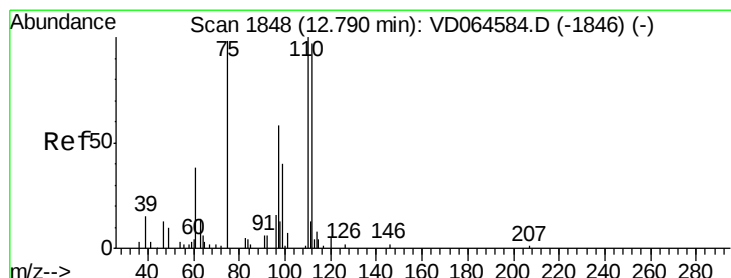
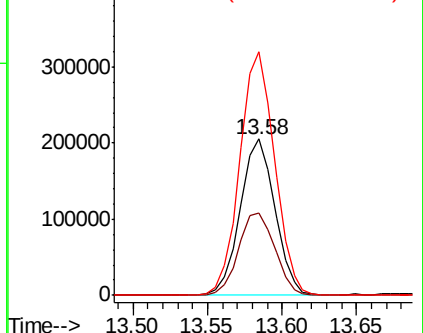
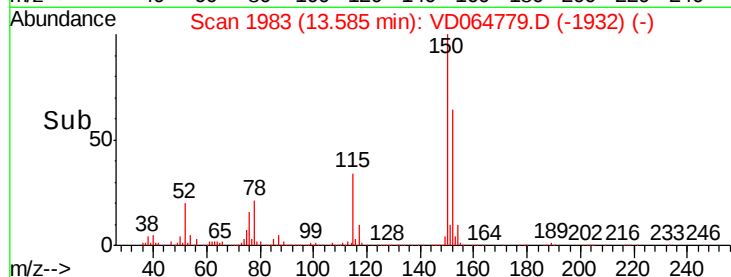
150 156.5 0.0 351.4



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: 63.447 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064779.D

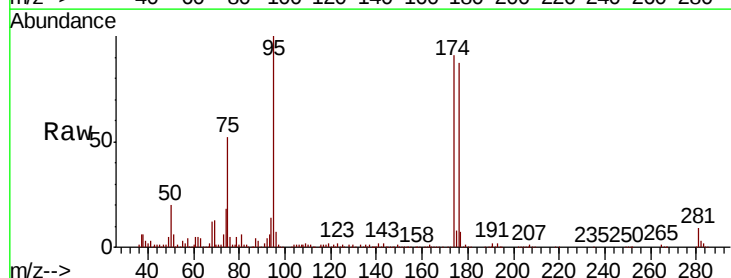
Acq: 06 Jan 2020 18:08

Tgt Ion: 75 Resp: 165176

Ion Ratio Lower Upper

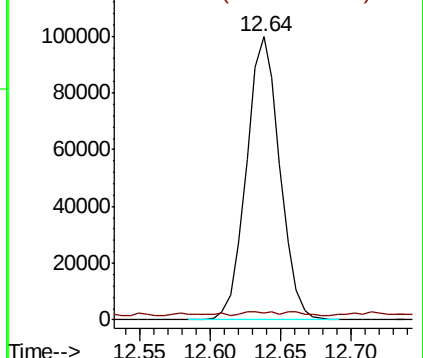
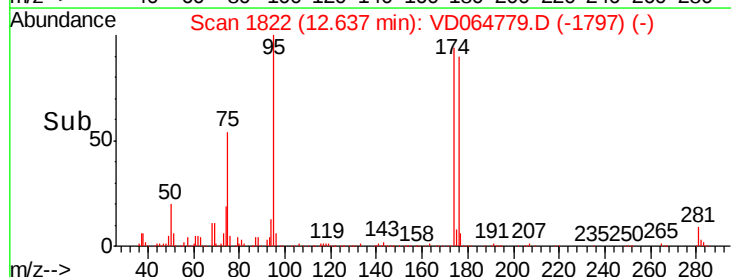
75 100

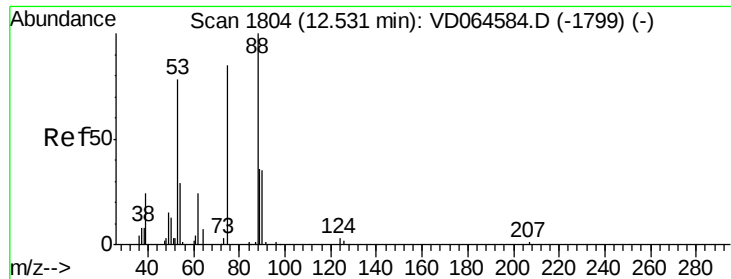
77 1.3 0.0 0.0#



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: 132.697 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064779.D

Acq: 06 Jan 2020 18:08

Instrument :

MSVOA_D

ClientSampleId :

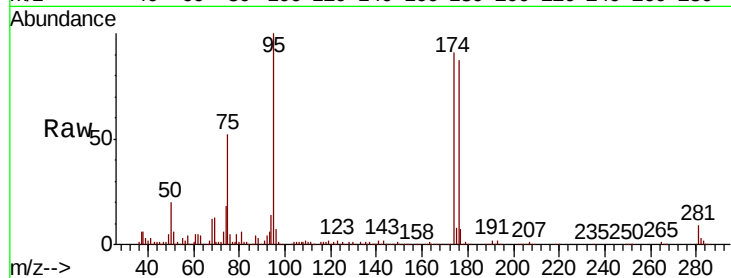
Tot Ion: 75 Resp: 165176

Ion Ratio Lower Upper

75 100

53 0.4 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

