

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064764.D
 Acq On : 04 Jan 2020 06:53
 Operator : VA/SY
 Sample : K6484-48
 Misc : 6.34G/5.00ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:53:43 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

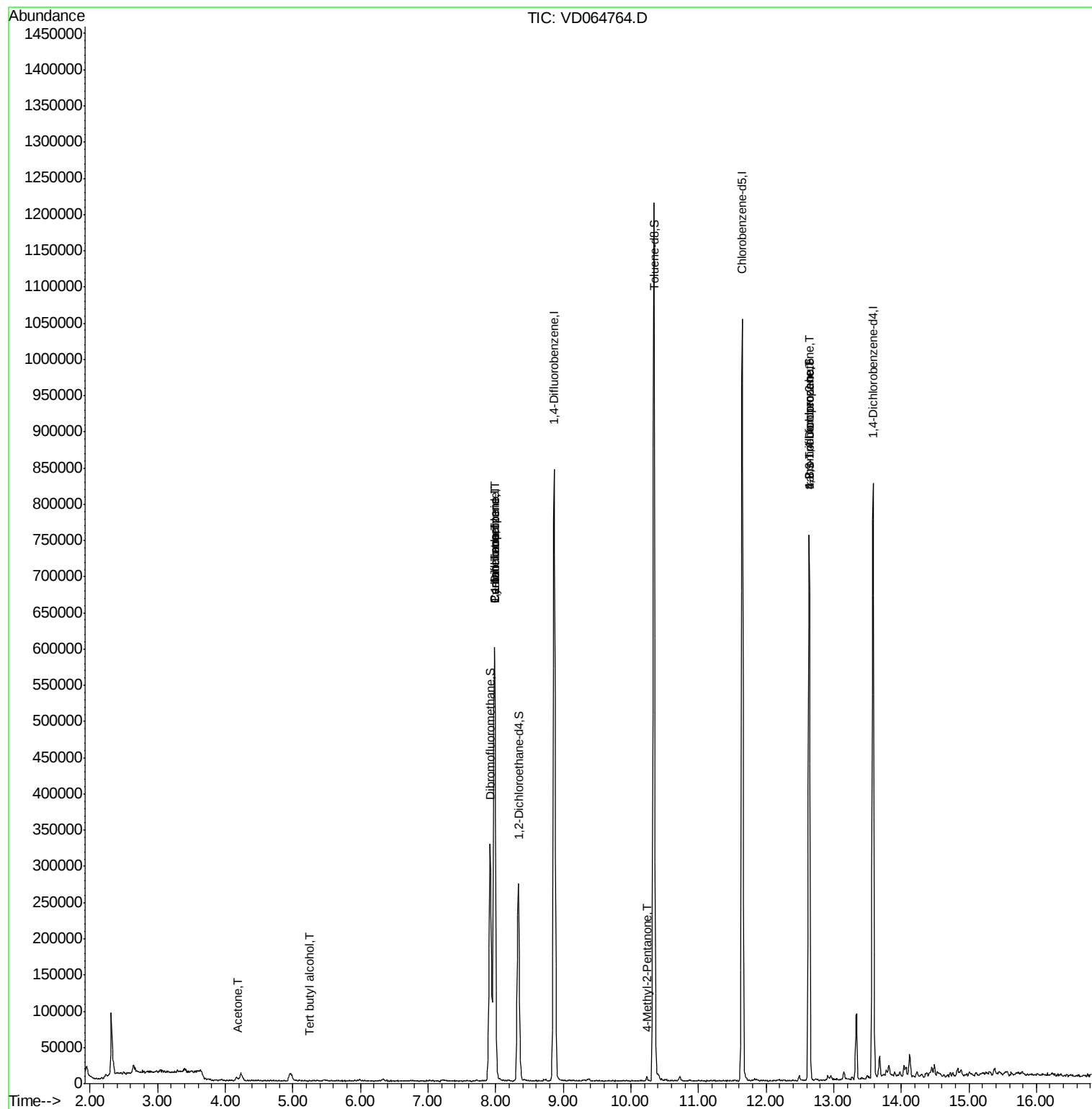
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	466962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	705572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	588631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	222768	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	220347	53.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.02%	
35) Dibromofluoromethane	7.92	113	225007	51.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.96%	
50) Toluene-d8	10.34	98	823076	49.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.64	95	222362	42.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.84%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.26	59	551	2.335	ug/l #	70
16) Acetone	4.18	43	6608	10.901	ug/l #	83
20) Methylene Chloride	4.96	84	7834	Below Cal		88
31) Cyclohexane	7.98	56	10043	1.308	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	33496	4.932	ug/l #	50
38) Carbon Tetrachloride	7.98	117	44548	6.152	ug/l #	16
51) 4-Methyl-2-Pentanone	10.24	43	3484	1.327	ug/l	90
76) 1,2,3-Trichloropropane	12.64	75	121224	68.912	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	121224	144.127	ug/l #	10

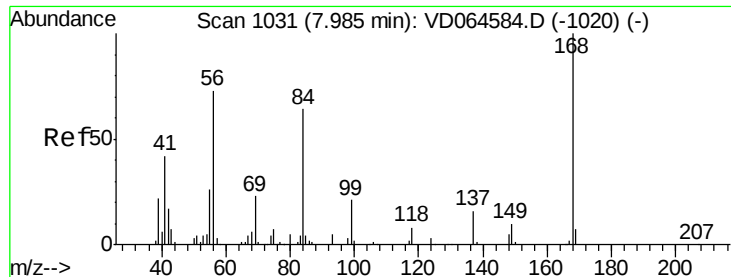
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064764.D

Acq: 04 Jan 2020 06:53

Instrument :

MSVOA_D

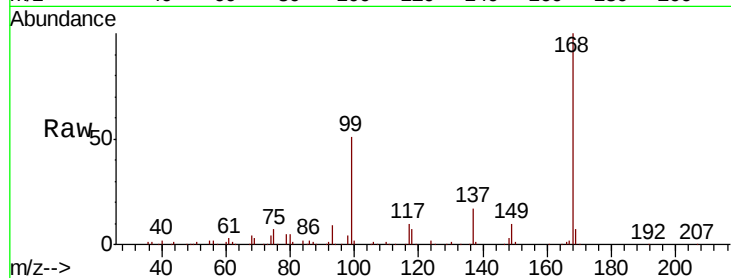
ClientSampleId :

Tot Ion:168 Resp: 466962

Ion Ratio Lower Upper

168 100

99 51.4 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

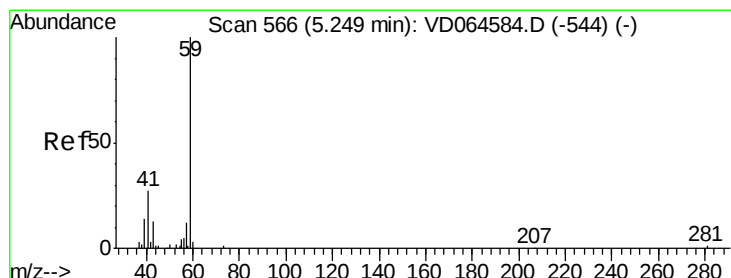
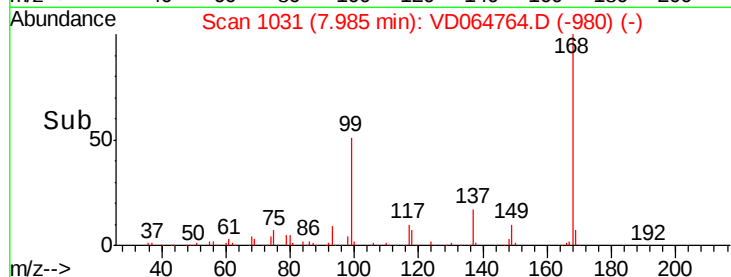
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.335 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD064764.D

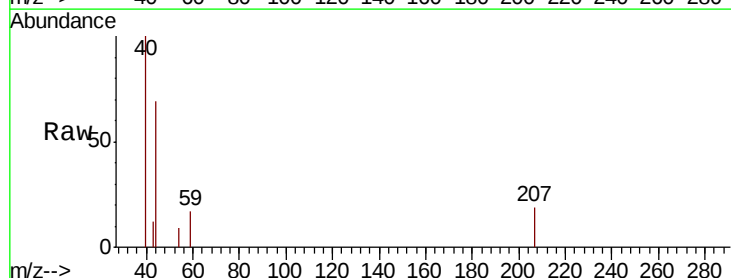
Acq: 04 Jan 2020 06:53

Tgt Ion: 59 Resp: 551

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

5.26

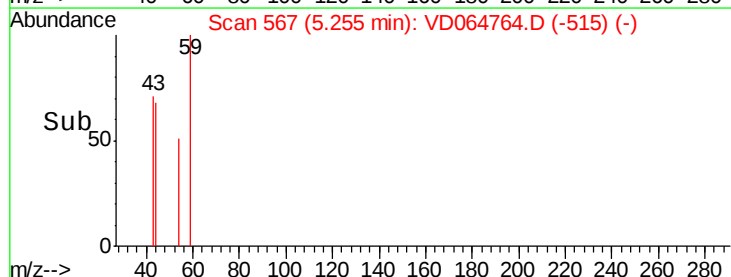
300

200

100

0

Time-->

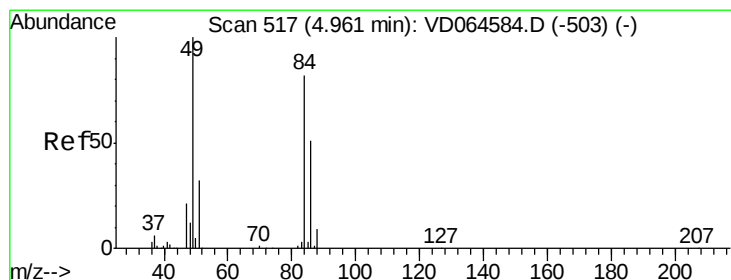
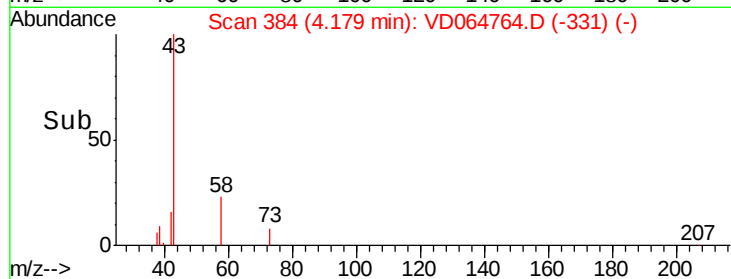
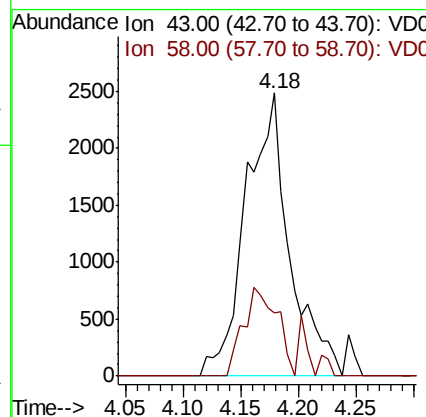
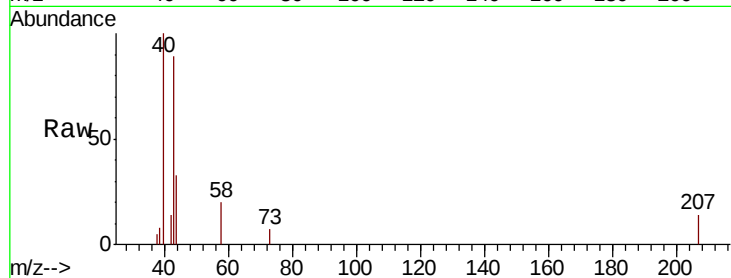




#16
Acetone
Concen: 10.901 ug/l
RT: 4.18 min Scan# 384
Delta R.T. 0.01 min
Lab File: VD064764.D
Acq: 04 Jan 2020 06:53

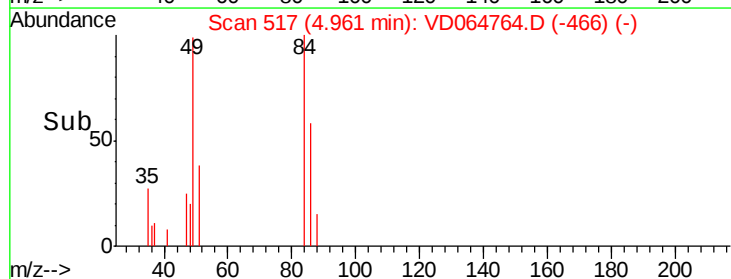
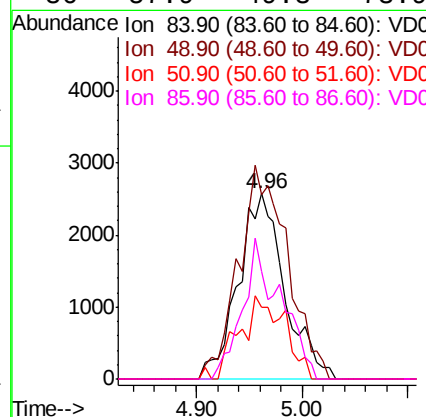
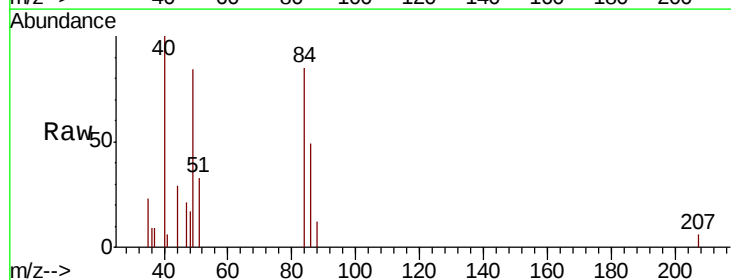
Instrument :
MSVOA_D
ClientSampleId :

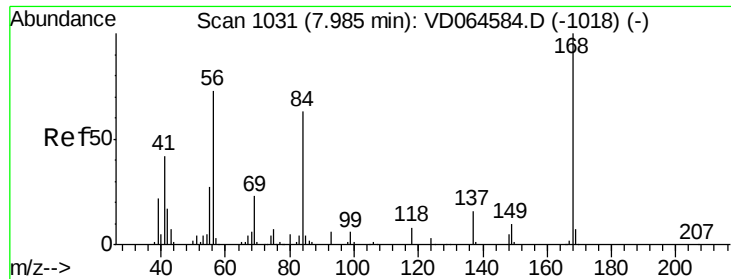
Tot Ion: 43 Resp: 6608
Ion Ratio Lower Upper
43 100
58 22.5 25.8 38.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064764.D
Acq: 04 Jan 2020 06:53

Tgt Ion: 84 Resp: 7834
Ion Ratio Lower Upper
84 100
49 99.4 97.2 145.8
51 38.5 31.4 47.0
86 57.9 49.3 73.9

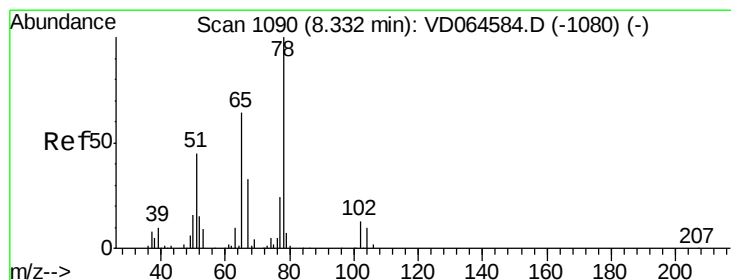
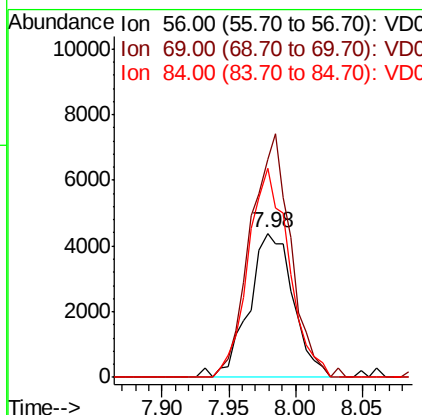
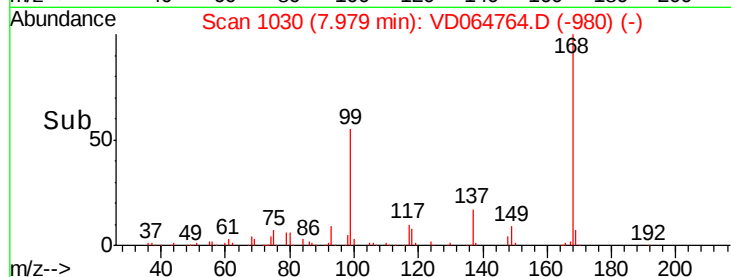
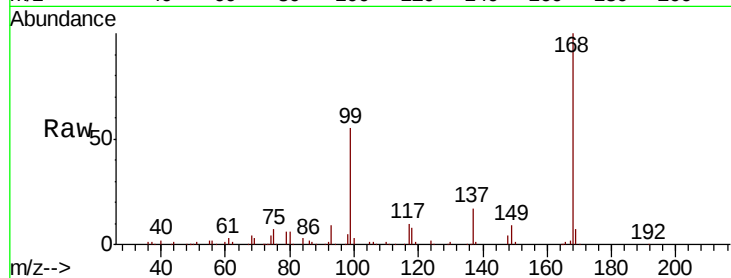




#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064764.D
Acq: 04 Jan 2020 06:53

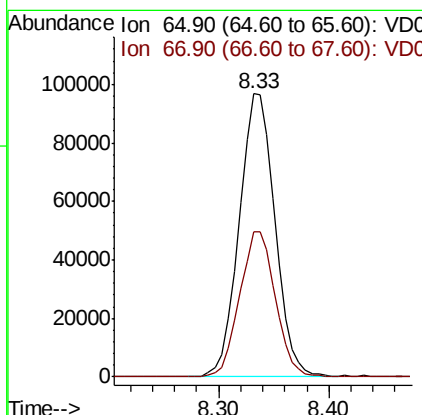
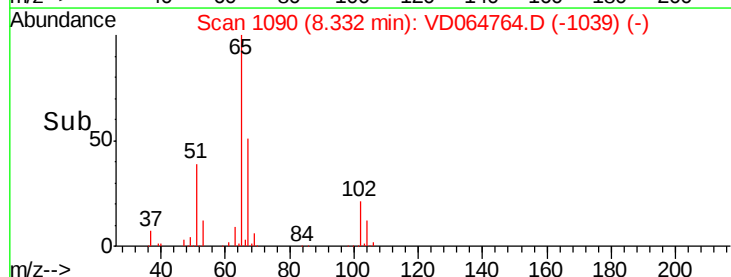
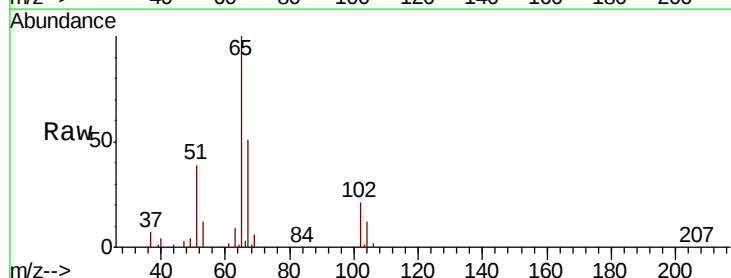
Instrument :
MSVOA_D
ClientSampled :

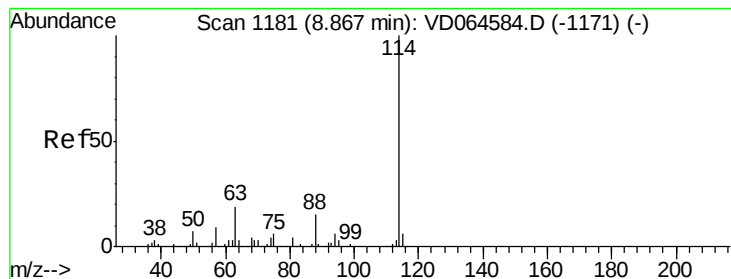
Tot Ion: 56 Resp: 10043
Ion Ratio Lower Upper
56 100
69 151.3 24.7 37.1#
84 144.7 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 53.513 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD064764.D
Acq: 04 Jan 2020 06:53

Tgt Ion: 65 Resp: 220347
Ion Ratio Lower Upper
65 100
67 51.3 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: VD064764.D

Acq: 04 Jan 2020 06:53

Instrument :

MSVOA_D

ClientSampleId :

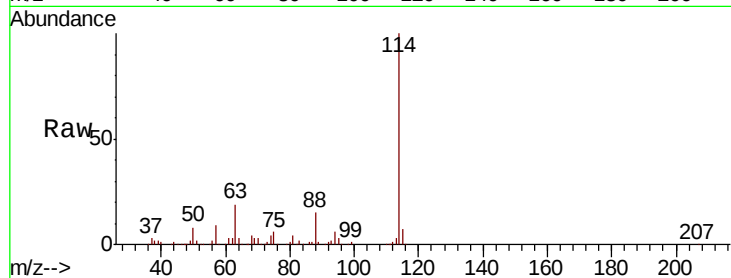
Tot Ion:114 Resp: 705572

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.0

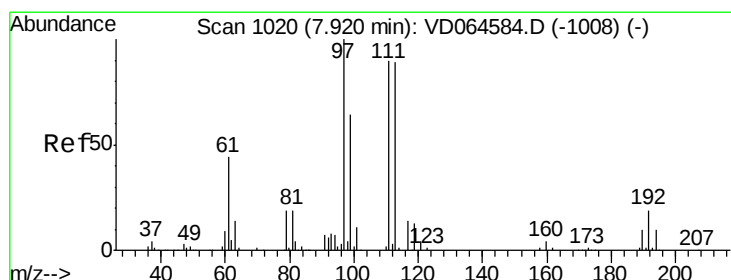
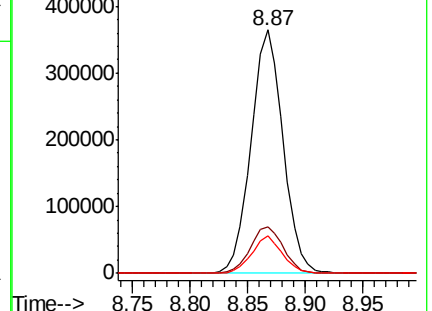
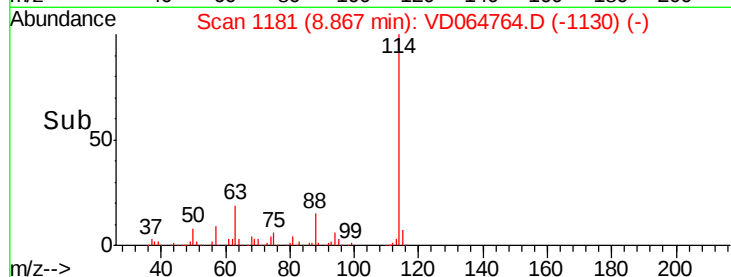
88 15.4 0.0 29.2



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: 51.979 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064764.D

Acq: 04 Jan 2020 06:53

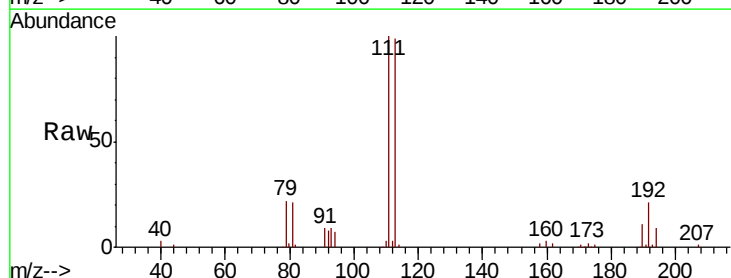
Tgt Ion:113 Resp: 225007

Ion Ratio Lower Upper

113 100

111 100.3 80.6 121.0

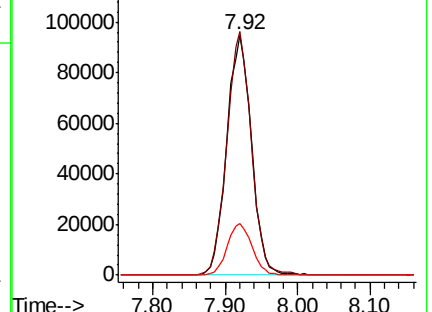
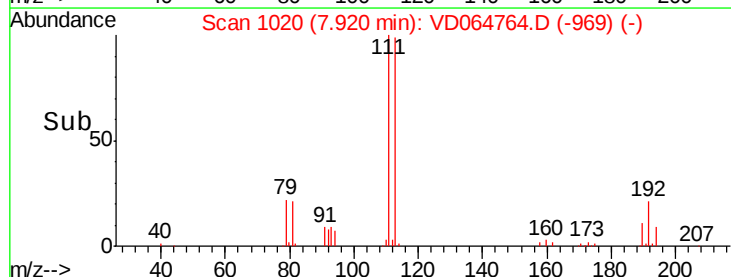
192 21.3 17.9 26.9

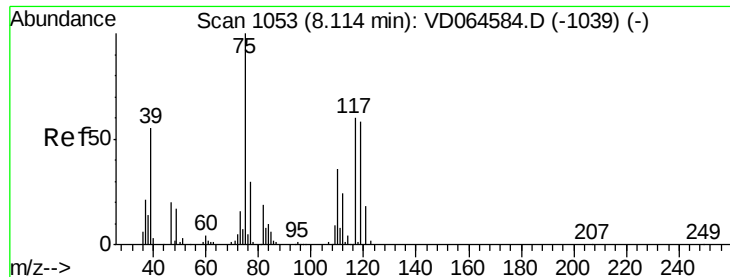


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.932 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064764.D

Acq: 04 Jan 2020 06:53

Instrument :

MSVOA_D

ClientSampleId :

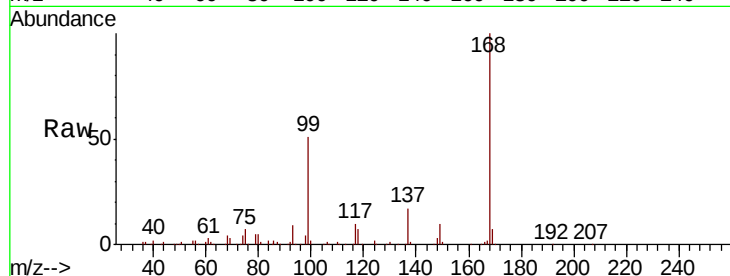
Tot Ion: 75 Resp: 33496

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.1#

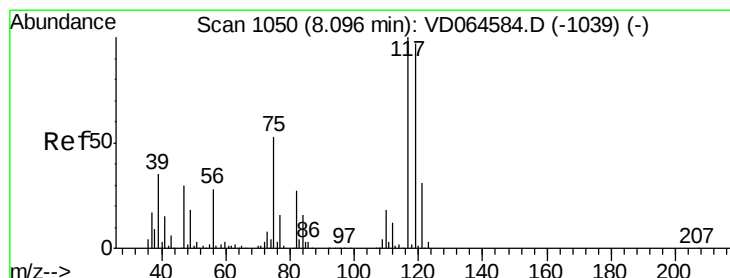
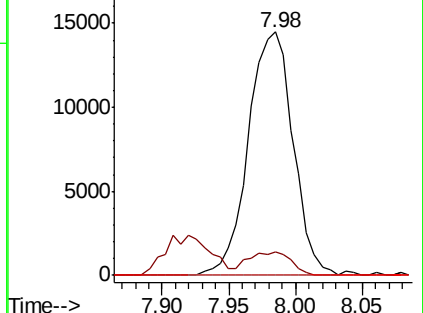
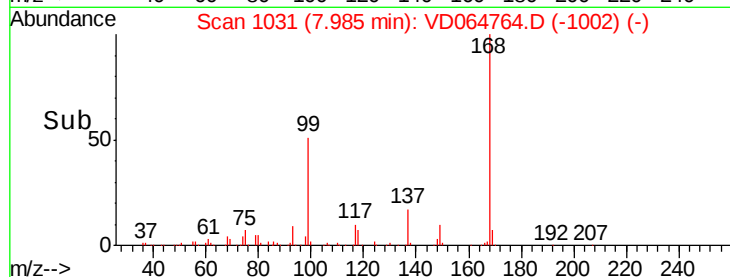
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VD064764.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD064764.D (-999) (-)

Ion 76.90 (76.60 to 77.60): VD064764.D (-999) (-)



#38

Carbon Tetrachloride

Concen: 6.152 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064764.D

Acq: 04 Jan 2020 06:53

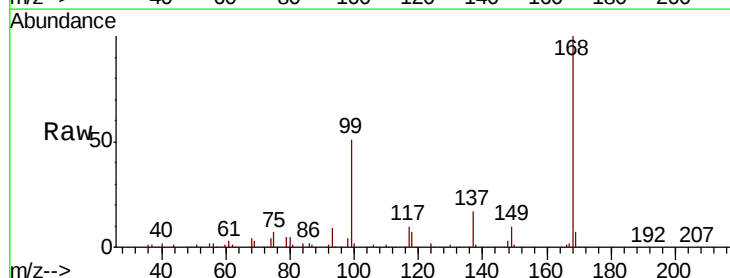
Tgt Ion: 117 Resp: 44548

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

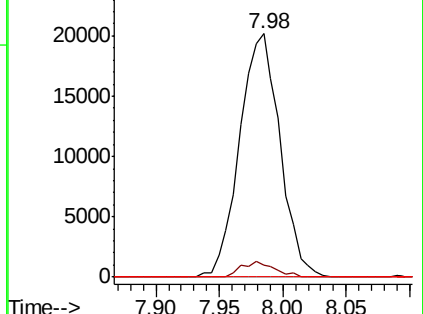
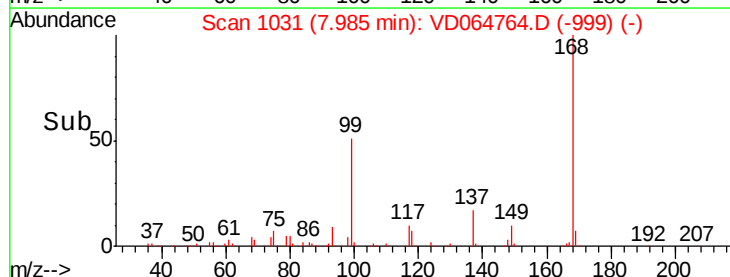
121 0.0 25.0 37.6#

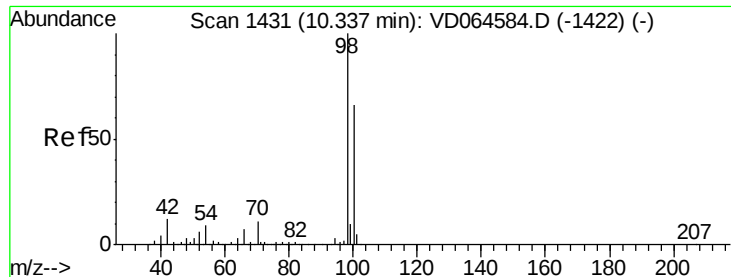


Abundance Ion 116.80 (116.50 to 117.50): VD064764.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD064764.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD064764.D (-999) (-)





#50

Toluene-d8

Concen: 49.646 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064764.D

Acq: 04 Jan 2020 06:53

Instrument :

MSVOA_D

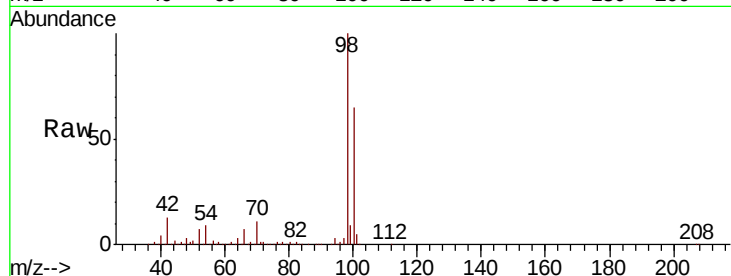
ClientSampleId :

Tot Ion: 98 Resp: 823076

Ion Ratio Lower Upper

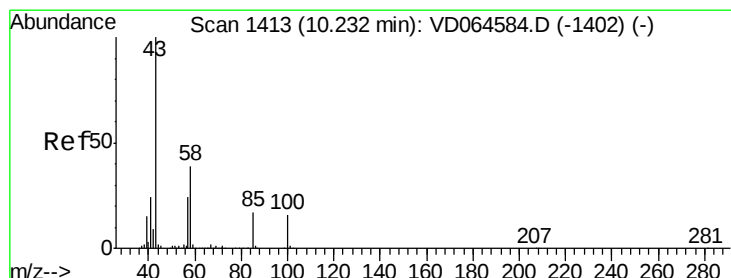
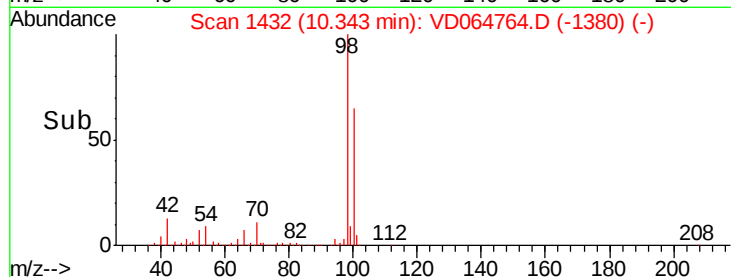
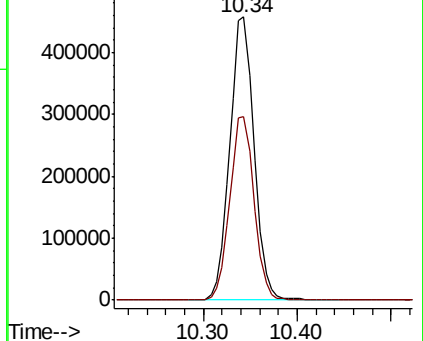
98 100

100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.327 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064764.D

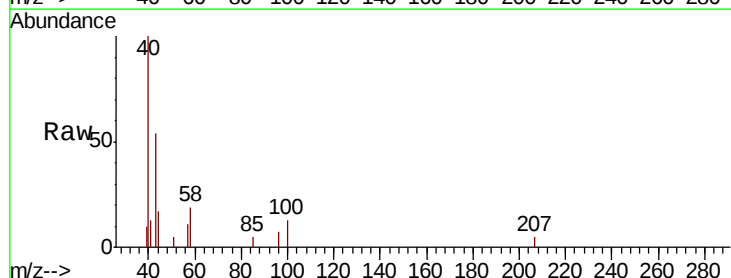
Acq: 04 Jan 2020 06:53

Tgt Ion: 43 Resp: 3484

Ion Ratio Lower Upper

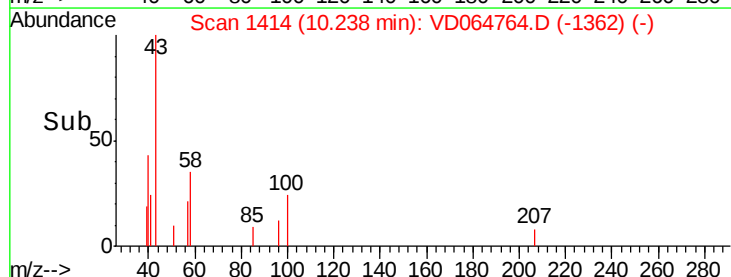
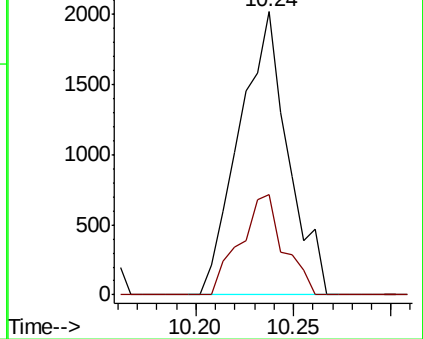
43 100

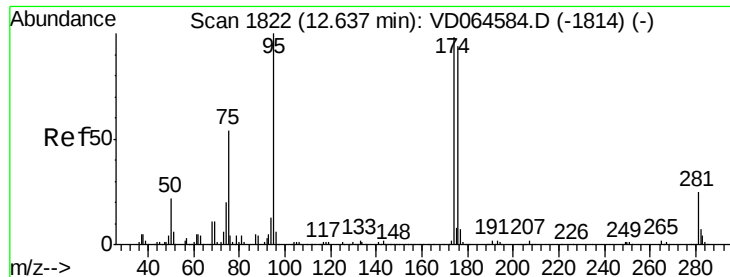
58 31.6 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

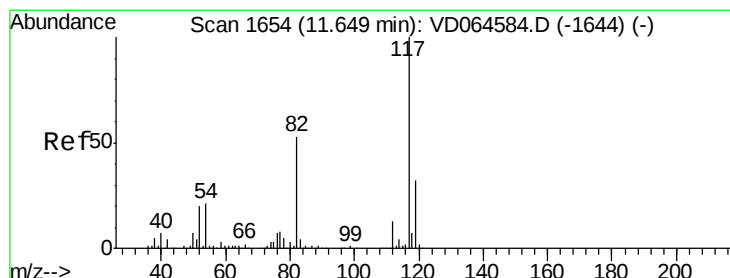
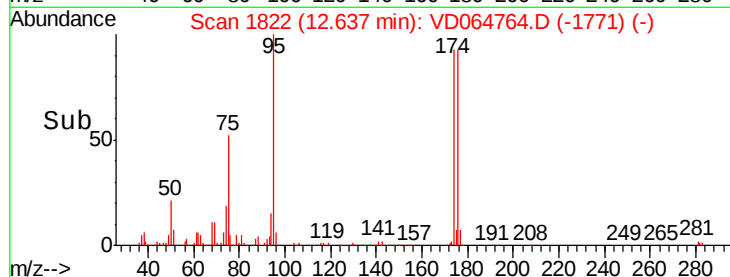
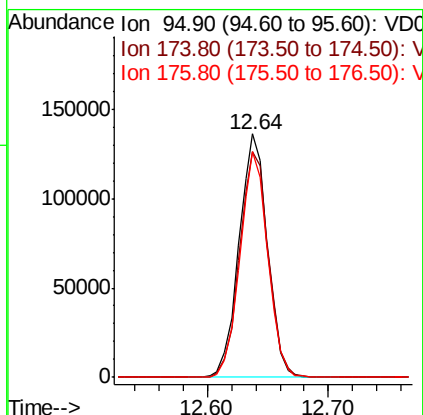
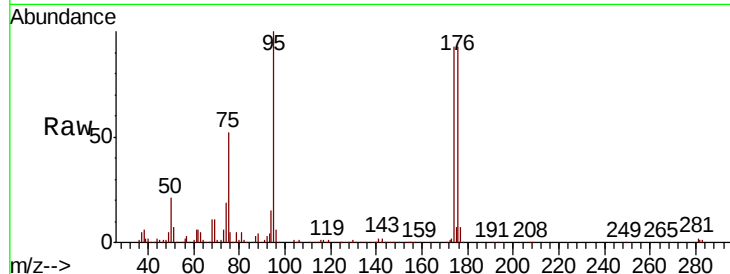




#62
4-Bromofluorobenzene
Concen: 42.416 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064764.D
Acq: 04 Jan 2020 06:53

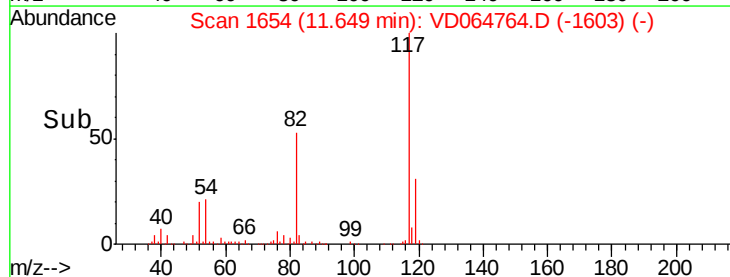
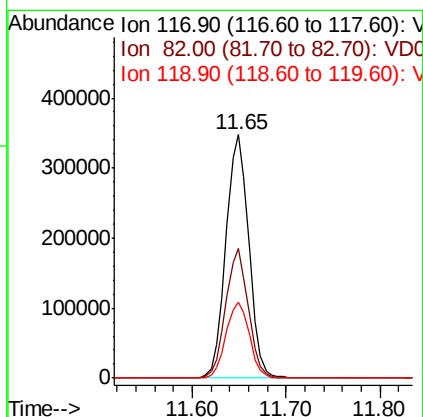
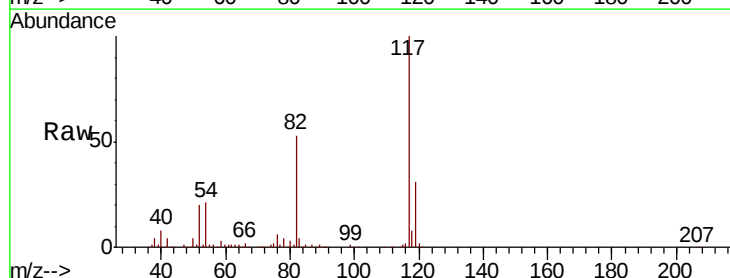
Instrument :
MSVOA_D
ClientSampleId :

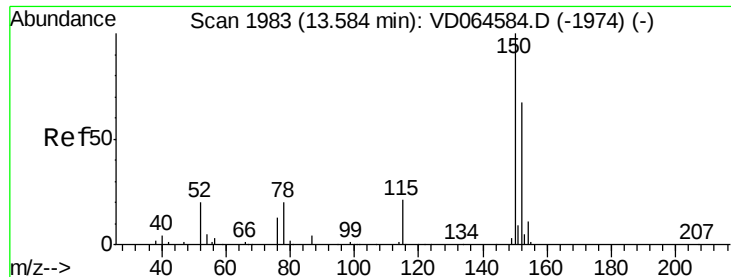
Tot Ion: 95 Resp: 222362
Ion Ratio Lower Upper
95 100
174 94.6 0.0 193.2
176 91.0 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064764.D
Acq: 04 Jan 2020 06:53

Tgt Ion: 117 Resp: 588631
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.4
119 31.0 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: VD064764.D

Acq: 04 Jan 2020 06:53

Instrument :

MSVOA_D

ClientSampleId :

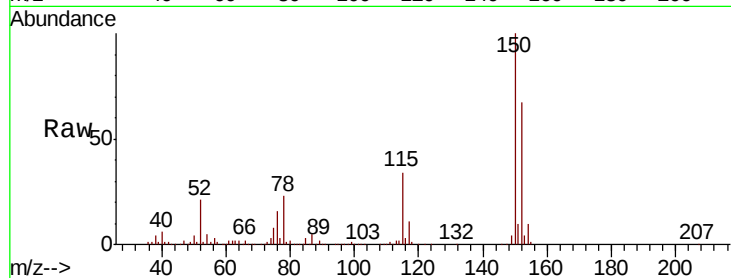
Tot Ion:152 Resp: 222768

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

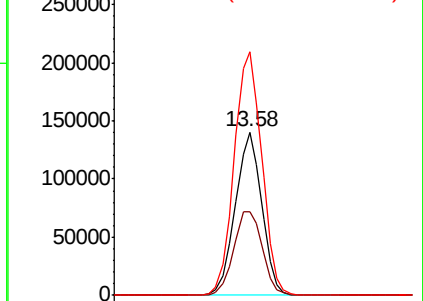
150 155.2 0.0 351.4



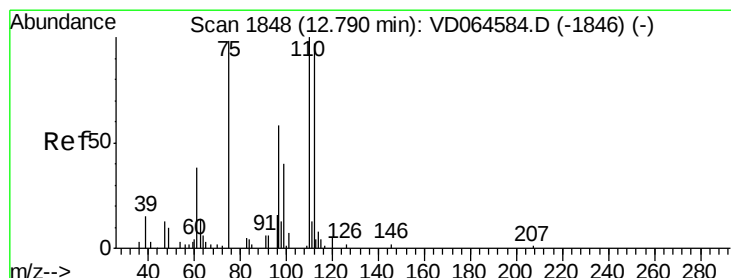
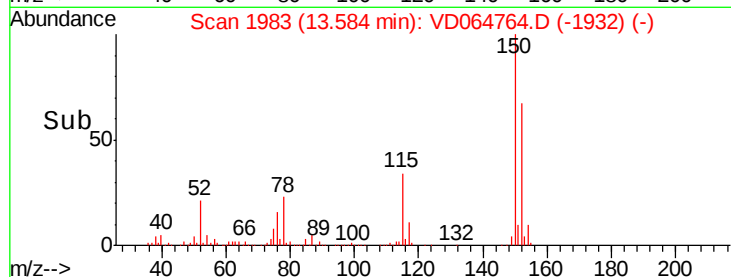
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#76

1,2,3-Trichloropropane

Concen: 68.912 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064764.D

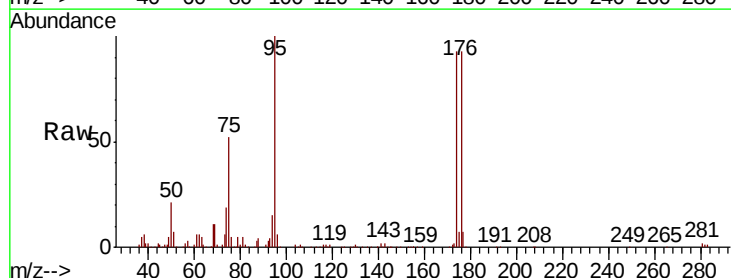
Acq: 04 Jan 2020 06:53

Tgt Ion: 75 Resp: 121224

Ion Ratio Lower Upper

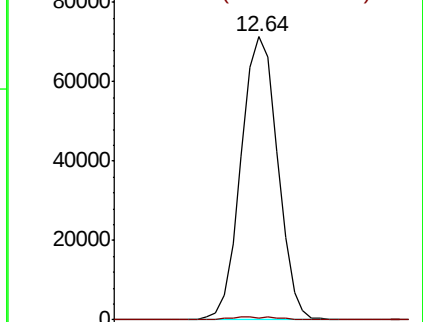
75 100

77 1.2 0.0 0.0#

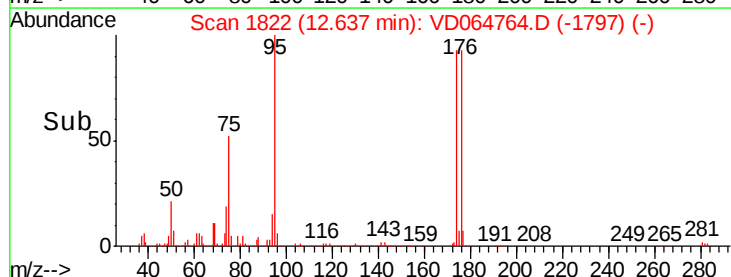


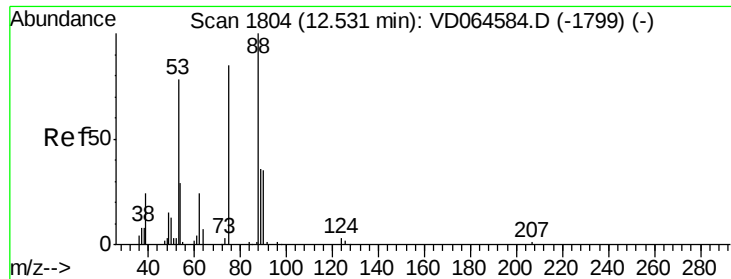
Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 144.127 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064764.D

Acq: 04 Jan 2020 06:53

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 121224

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.1 38.3 57.5#

