

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
 Data File : VD066184.D
 Acq On : 11 Aug 2020 14:08
 Operator : VA/SY
 Sample : L3639-07
 Misc : 6.74G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-J09

Quant Time: Aug 11 15:15:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	266653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	447022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	489760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	233663	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	114497	48.13	ug/l	0.00
Spiked Amount						
			Recovery	=	96.26%	
35) Dibromofluoromethane	7.91	113	138634	48.96	ug/l	0.00
Spiked Amount						
			Recovery	=	97.92%	
50) Toluene-d8	10.34	98	554218	53.03	ug/l	0.00
Spiked Amount						
			Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.63	95	226854	60.22	ug/l	0.00
Spiked Amount						
			Recovery	=	120.44%	

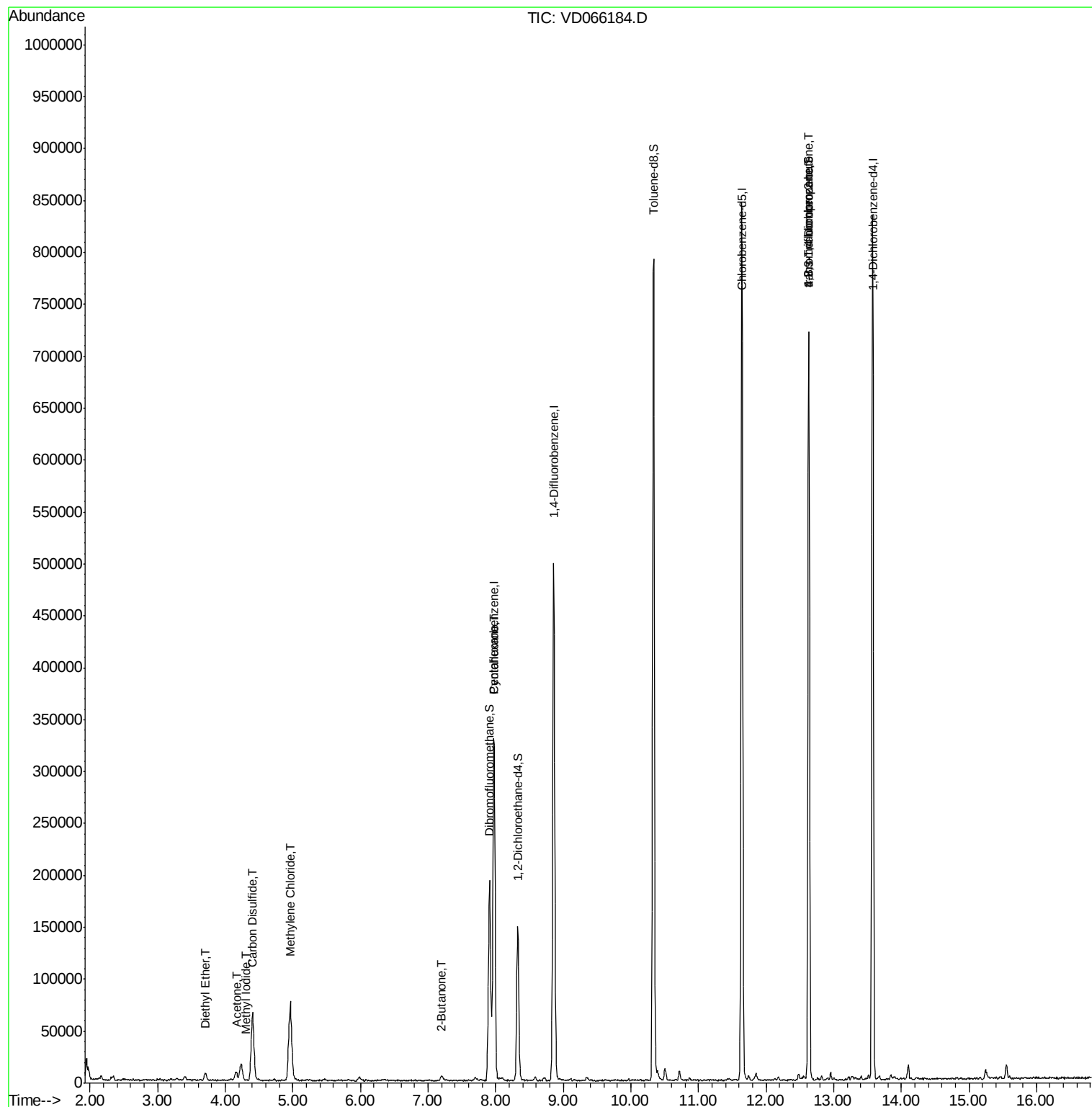
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	3653	3.069	ug/l	89
10) Methyl Iodide	4.31	142	537	6.915	ug/l #	65
11) Tert butyl alcohol	5.22	59	130	Below Cal	#	76
16) Acetone	4.17	43	14758	32.695	ug/l	98
17) Carbon Disulfide	4.40	76	140678	18.736	ug/l	100
20) Methylene Chloride	4.96	84	60345	20.529	ug/l #	97
25) 2-Butanone	7.21	43	3238	4.877	ug/l	100
31) Cyclohexane	7.97	56	5992	1.438	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	110984	56.956	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	110984	125.905	ug/l #	13

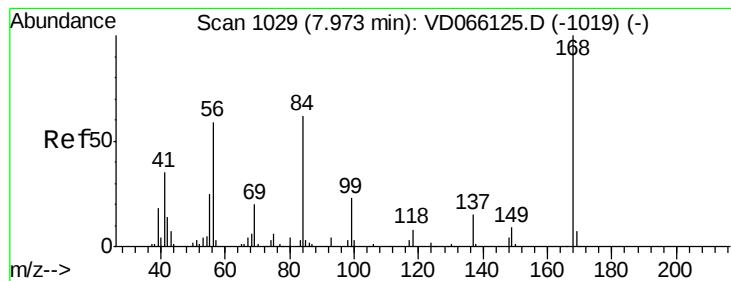
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
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MH-J09

Quant Time: Aug 11 15:15:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
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: VD066184.D

Acq: 11 Aug 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

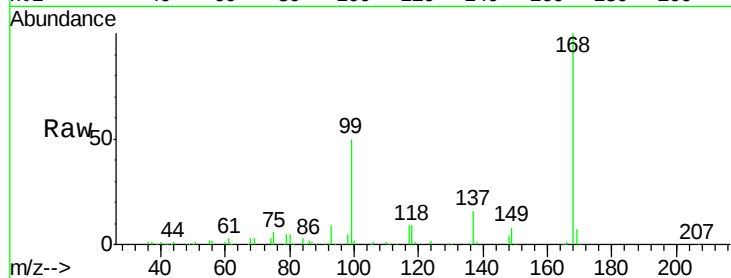
MH-J09

Tgt Ion:168 Resp: 266653

Ion Ratio Lower Upper

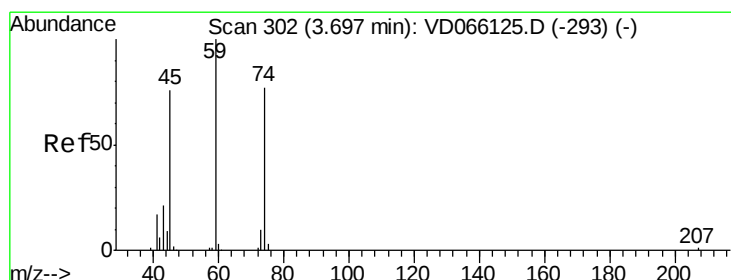
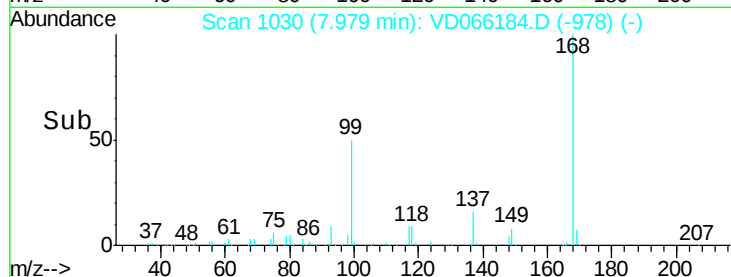
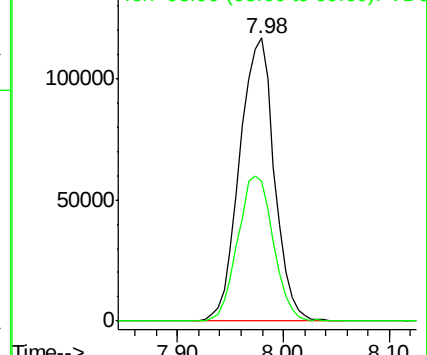
168 100

99 49.5 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 3.069 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066184.D

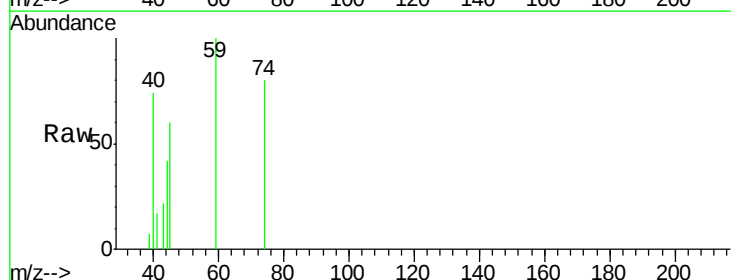
Acq: 11 Aug 2020 14:08

Tgt Ion: 74 Resp: 3653

Ion Ratio Lower Upper

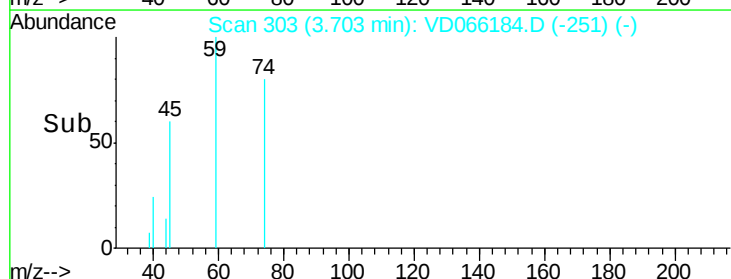
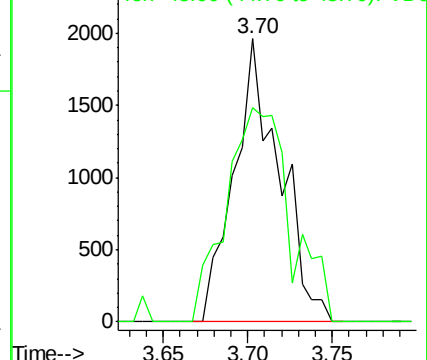
74 100

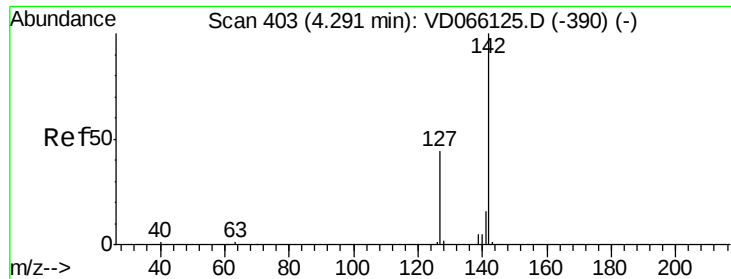
45 107.7 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

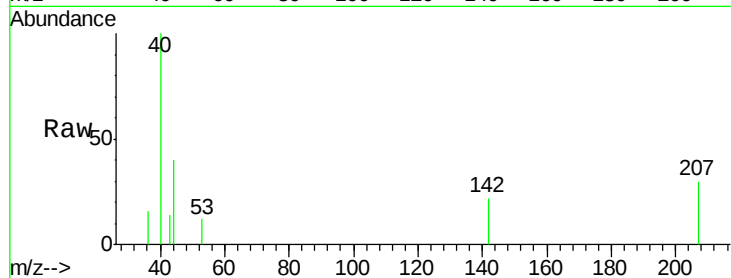




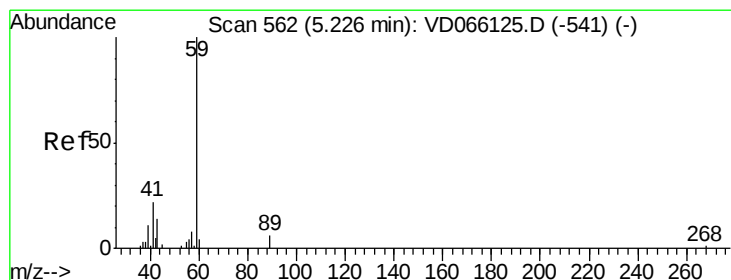
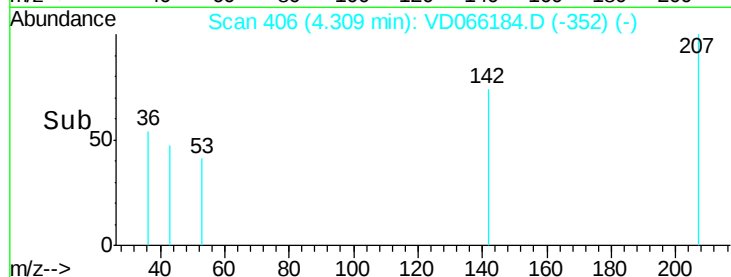
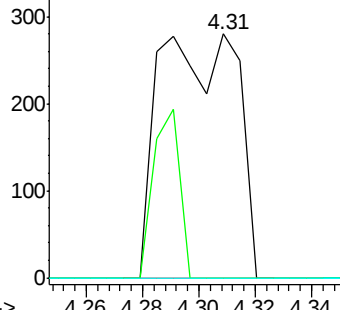
#10
Methyl Iodide
Concen: 6.915 ug/l
RT: 4.31 min Scan# 406
Delta R.T. 0.02 min
Lab File: VD066184.D
Acq: 11 Aug 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
MH-J09

Tgt Ion: 142 Resp: 537
Ion Ratio Lower Upper
142 100
127 23.1 36.2 54.4#
141 0.0 12.6 18.8#

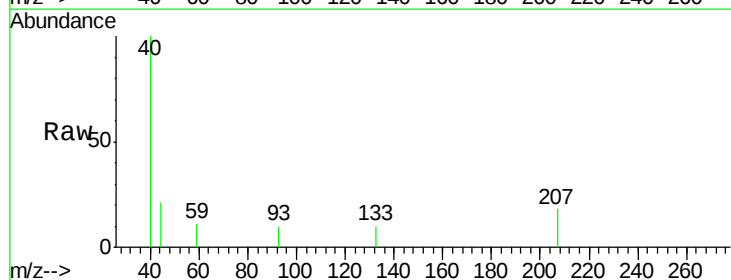


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

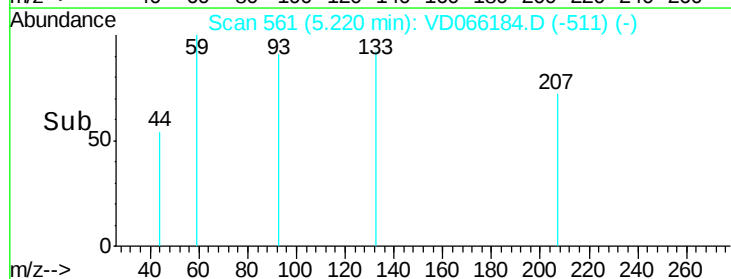
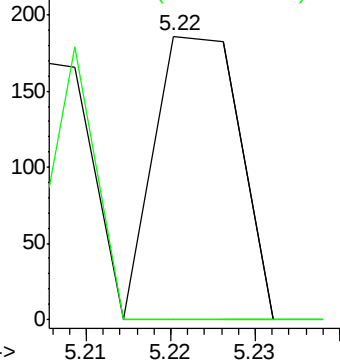


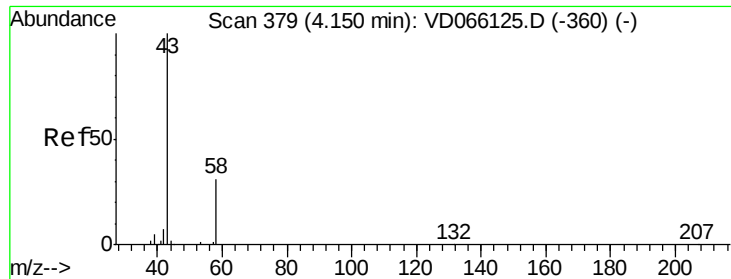
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD066184.D
Acq: 11 Aug 2020 14:08

Tgt Ion: 59 Resp: 130
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 32.695 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD066184.D

Acq: 11 Aug 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

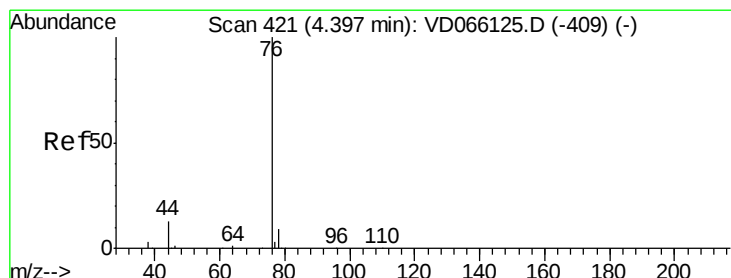
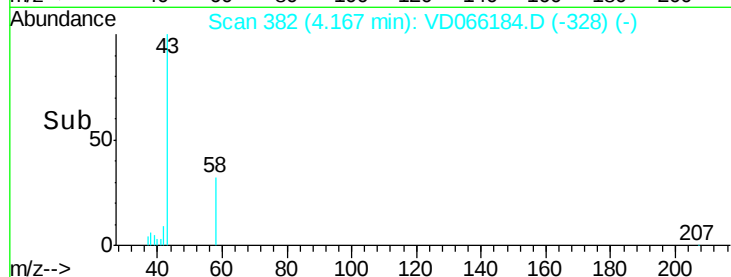
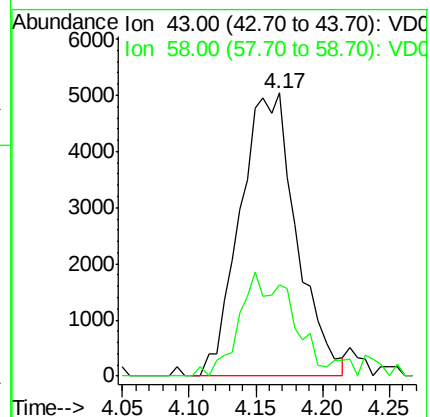
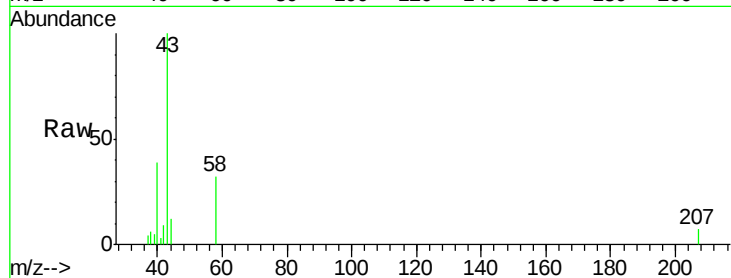
MH-J09

Tgt Ion: 43 Resp: 14758

Ion Ratio Lower Upper

43 100

58 32.2 24.7 37.1



#17

Carbon Disulfide

Concen: 18.736 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066184.D

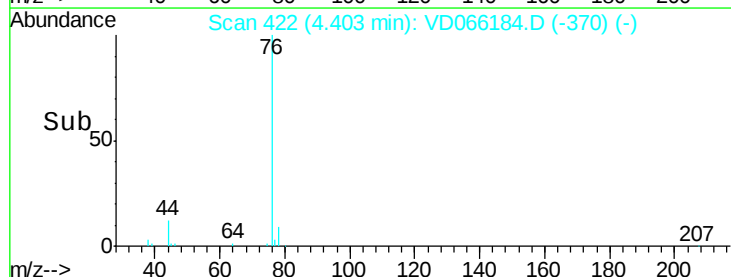
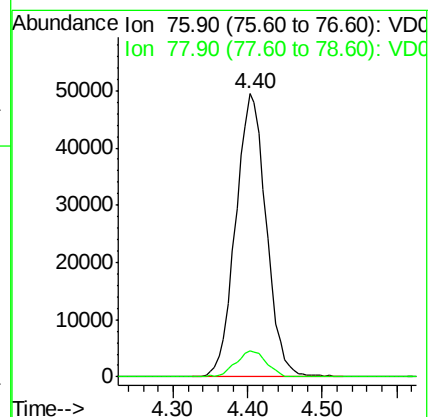
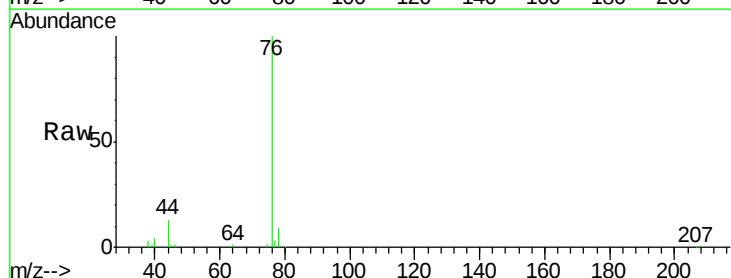
Acq: 11 Aug 2020 14:08

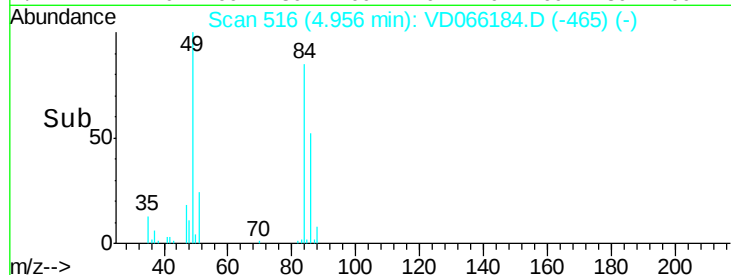
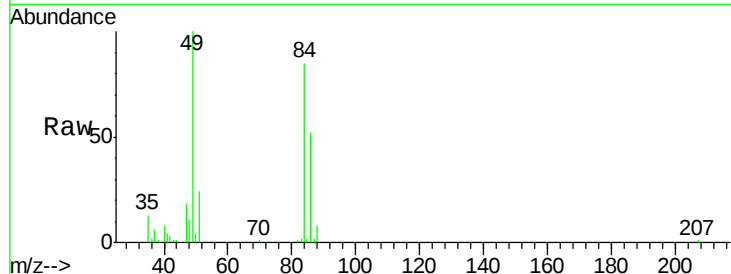
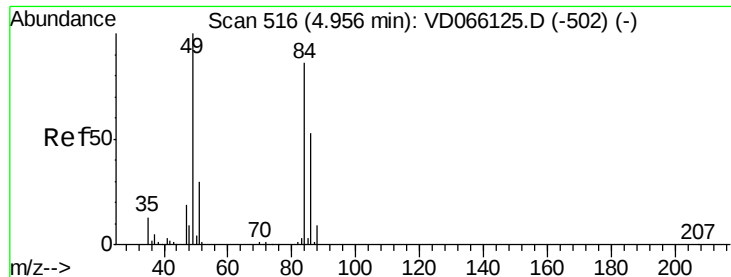
Tgt Ion: 76 Resp: 140678

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

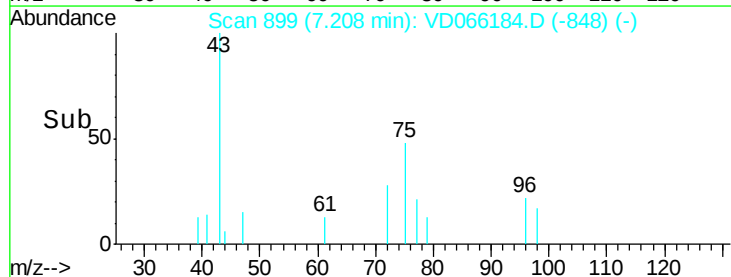
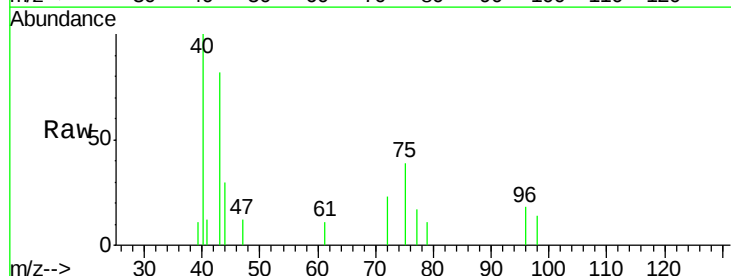
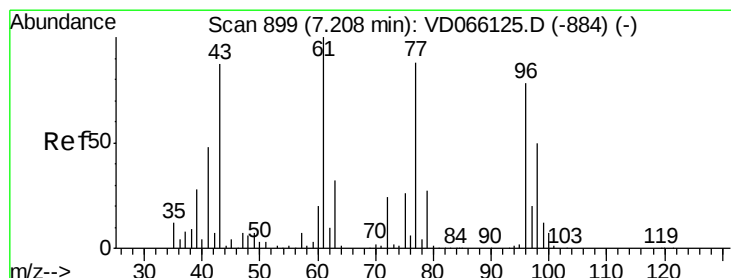
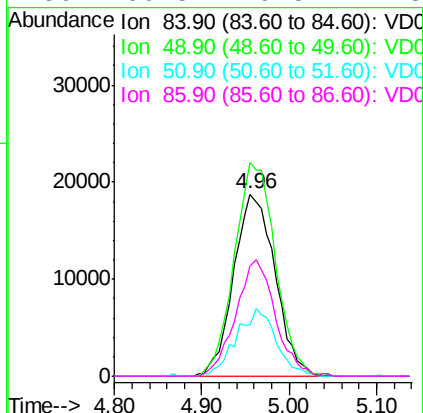




#20
Methylene Chloride
Concen: 20.529 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066184.D
Acq: 11 Aug 2020 14:08

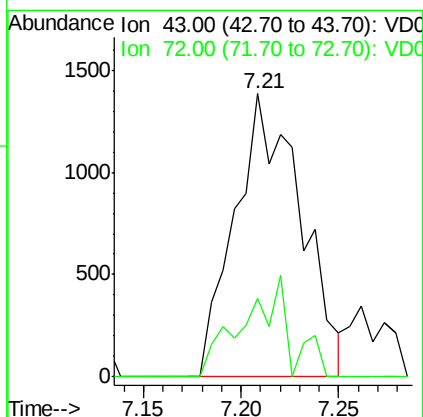
Instrument :
MSVOA_D
ClientSampleId :
MH-J09

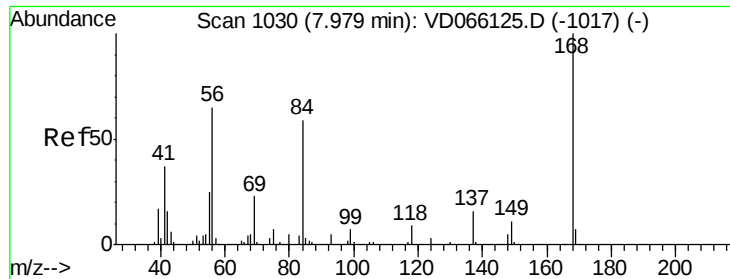
Tgt Ion: 84 Resp: 60345
Ion Ratio Lower Upper
84 100
49 117.2 93.5 140.3
51 28.1 28.2 42.4#
86 60.5 49.5 74.3



#25
2-Butanone
Concen: 4.877 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066184.D
Acq: 11 Aug 2020 14:08

Tgt Ion: 43 Resp: 3238
Ion Ratio Lower Upper
43 100
72 27.7 22.2 33.2





#31

Cyclohexane

Concen: 1.438 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066184.D

Acq: 11 Aug 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

MH-J09

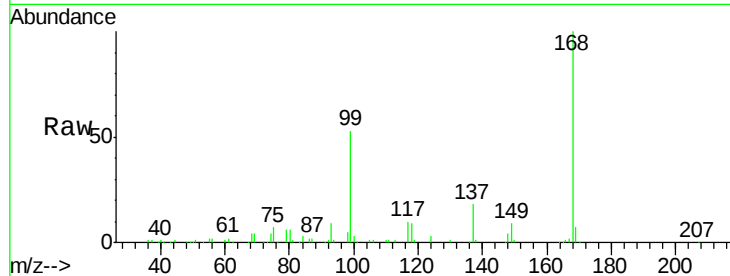
Tgt Ion: 56 Resp: 5992

Ion Ratio Lower Upper

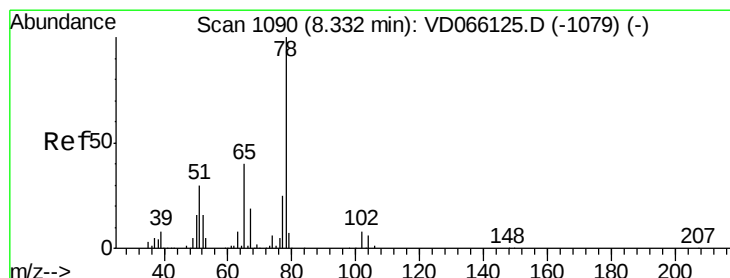
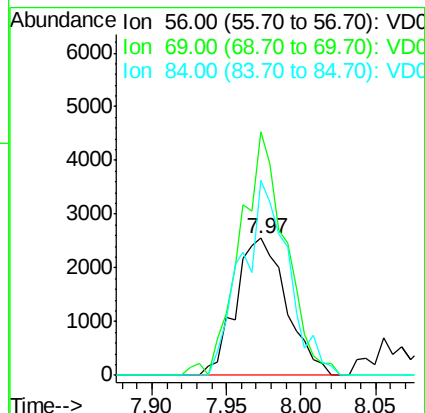
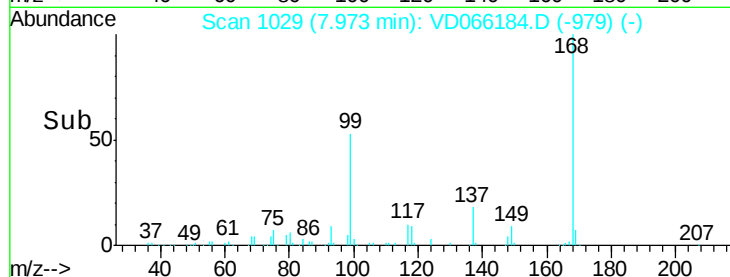
56 100

69 177.3 28.8 43.2#

84 142.0 73.0 109.6#



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: 48.129 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066184.D

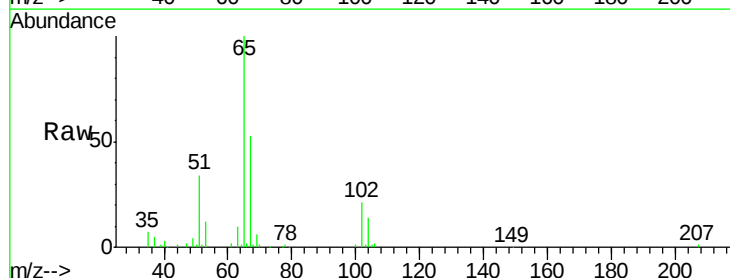
Acq: 11 Aug 2020 14:08

Tgt Ion: 65 Resp: 114497

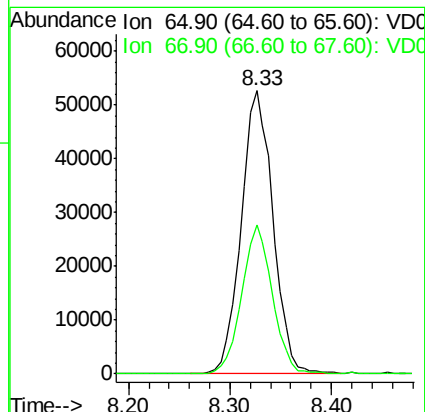
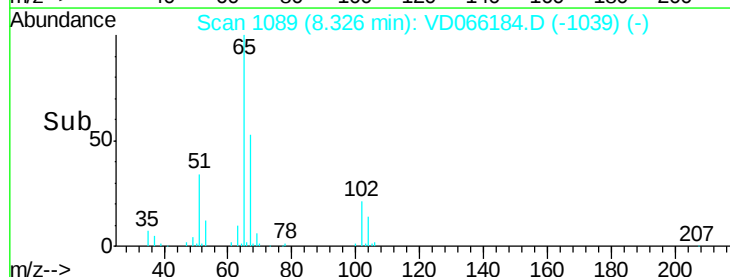
Ion Ratio Lower Upper

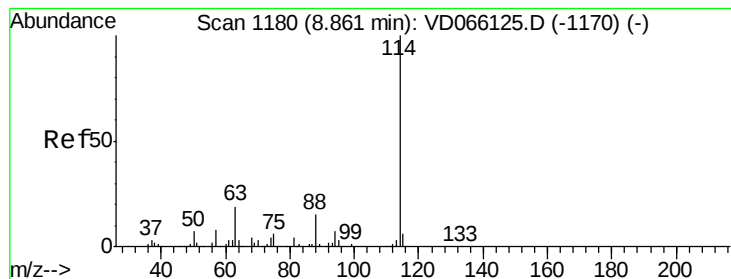
65 100

67 50.7 0.0 104.6



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: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066184.D

Acq: 11 Aug 2020 14:08

Instrument :

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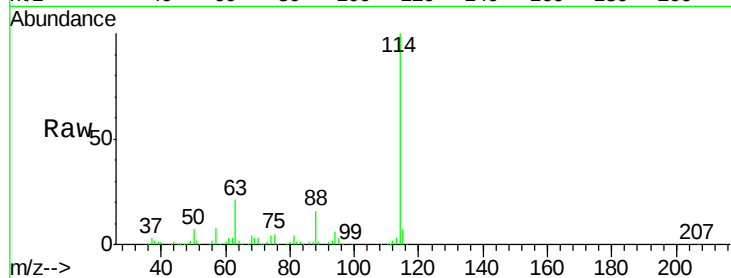
Tgt Ion:114 Resp: 447022

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.6

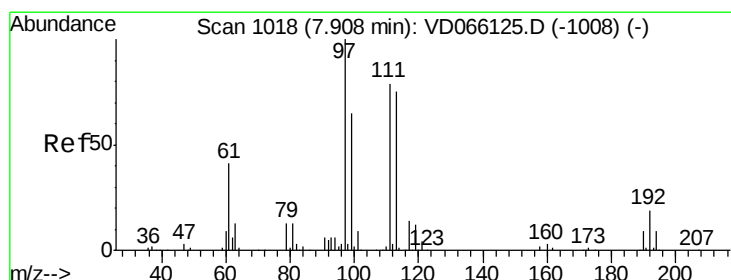
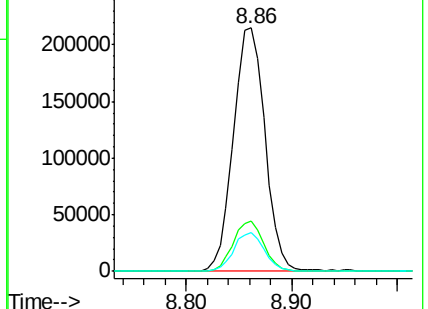
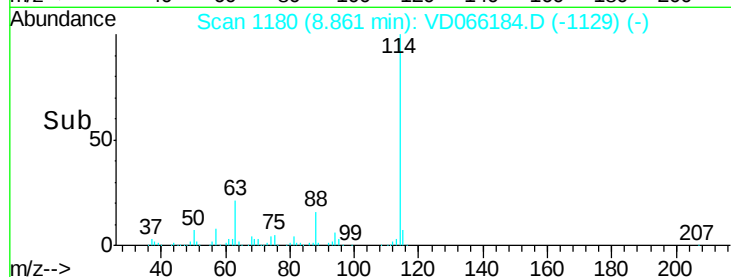
88 15.7 0.0 30.0



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: 48.955 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066184.D

Acq: 11 Aug 2020 14:08

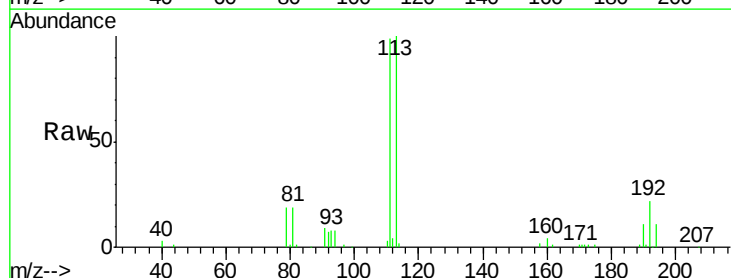
Tgt Ion:113 Resp: 138634

Ion Ratio Lower Upper

113 100

111 101.5 80.7 121.1

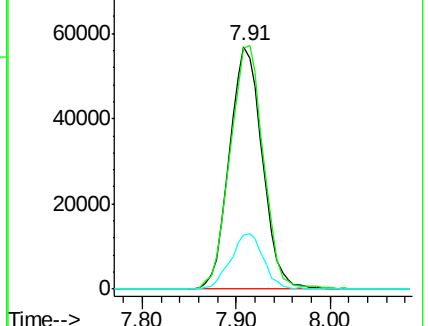
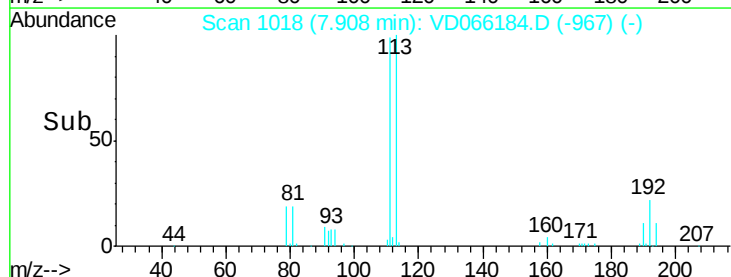
192 22.9 18.4 27.6

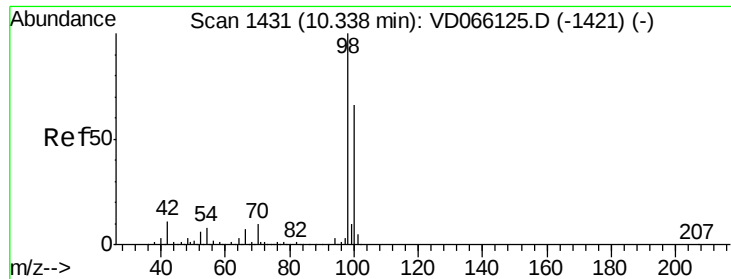


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.034 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066184.D

Acq: 11 Aug 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

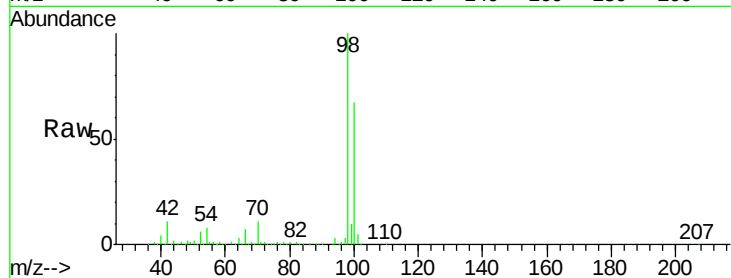
MH-J09

Tgt Ion: 98 Resp: 554218

Ion Ratio Lower Upper

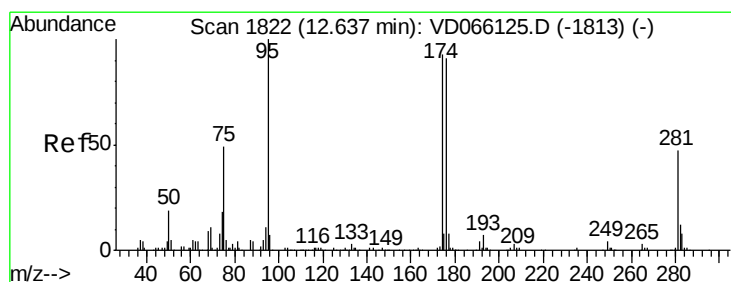
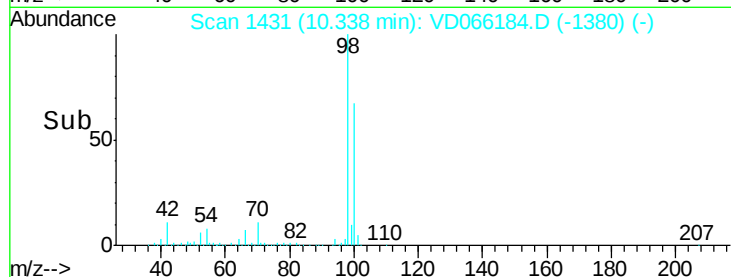
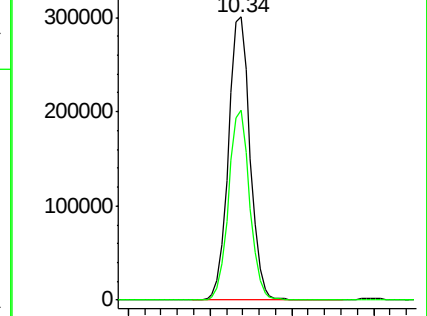
98 100

100 65.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 60.223 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066184.D

Acq: 11 Aug 2020 14:08

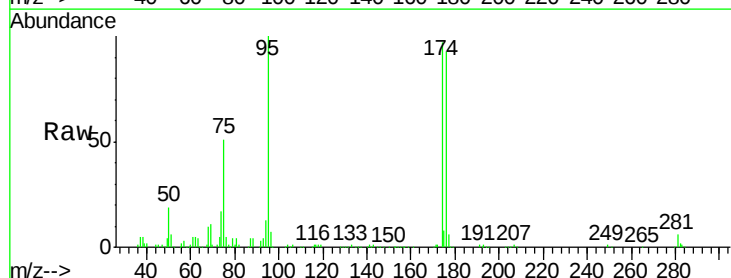
Tgt Ion: 95 Resp: 226854

Ion Ratio Lower Upper

95 100

174 91.5 0.0 180.8

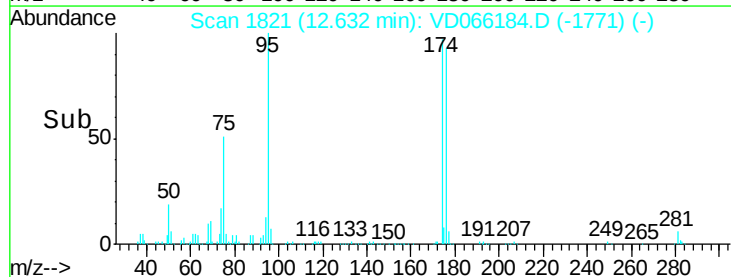
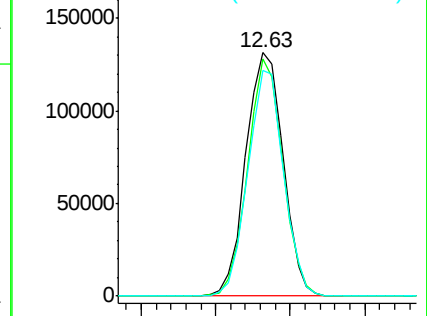
176 88.8 0.0 181.2

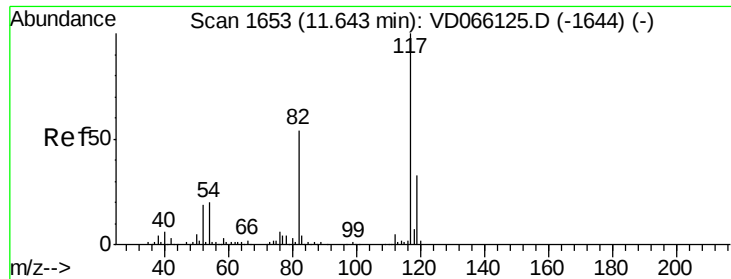


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

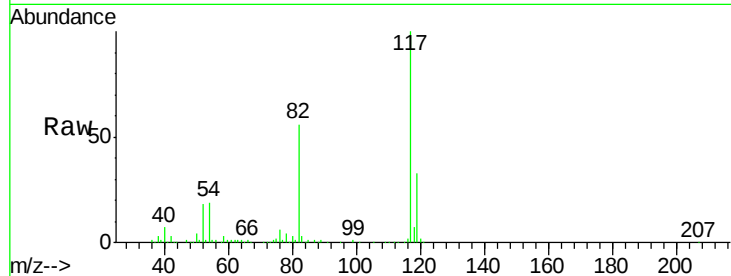




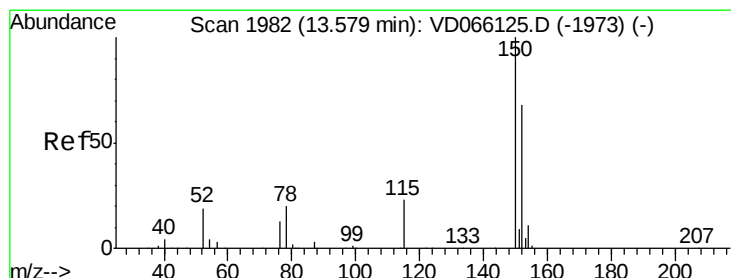
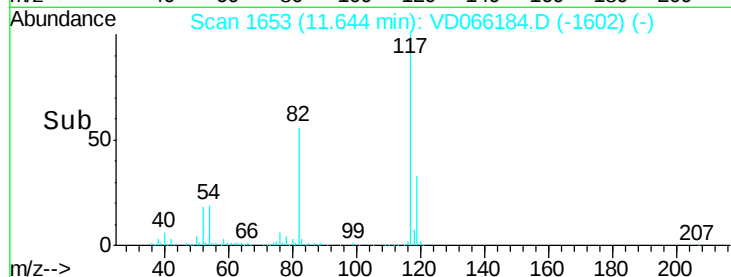
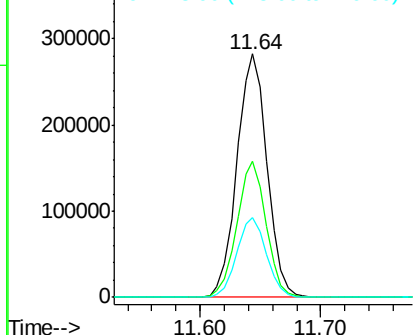
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066184.D
Acq: 11 Aug 2020 14:08

Instrument :
MSVOA_D
ClientSampleId :
MH-J09

Tgt Ion:117 Resp: 489760
Ion Ratio Lower Upper
117 100
82 55.8 43.0 64.4
119 32.5 26.1 39.1

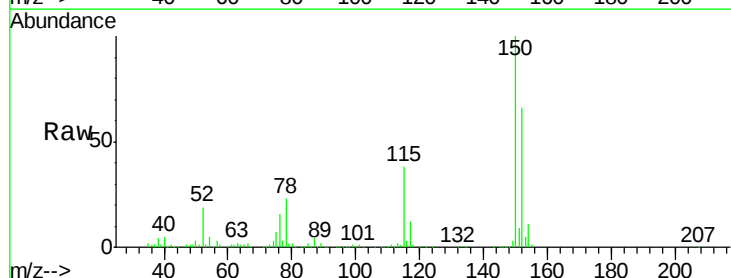


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

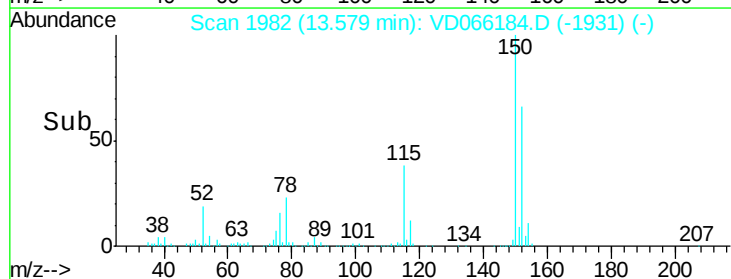
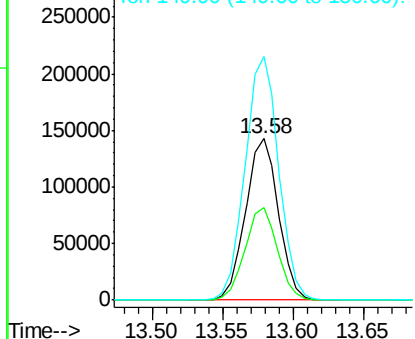


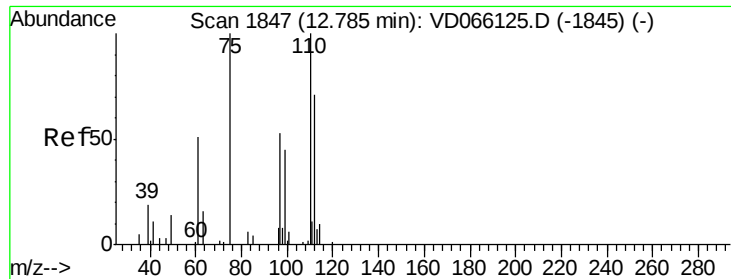
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066184.D
Acq: 11 Aug 2020 14:08

Tgt Ion:152 Resp: 233663
Ion Ratio Lower Upper
152 100
115 56.6 28.0 83.9
150 154.0 0.0 346.4



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: 56.956 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066184.D

Acq: 11 Aug 2020 14:08

Instrument :

MSVOA_D

ClientSampleId :

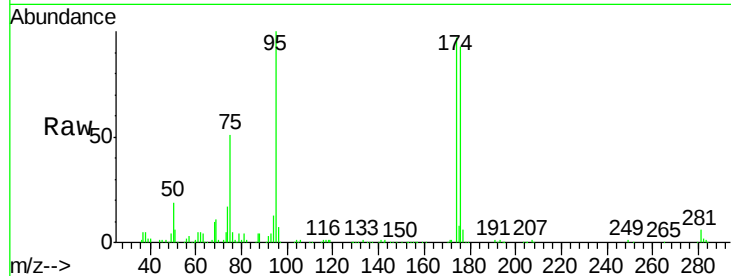
MH-J09

Tgt Ion: 75 Resp: 110984

Ion Ratio Lower Upper

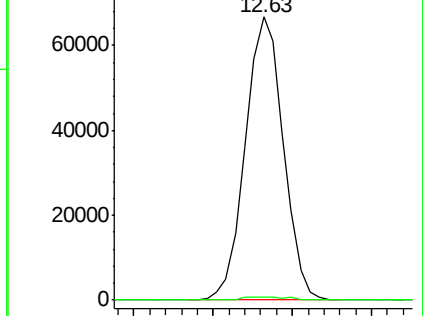
75 100

77 1.4 0.0 0.0#

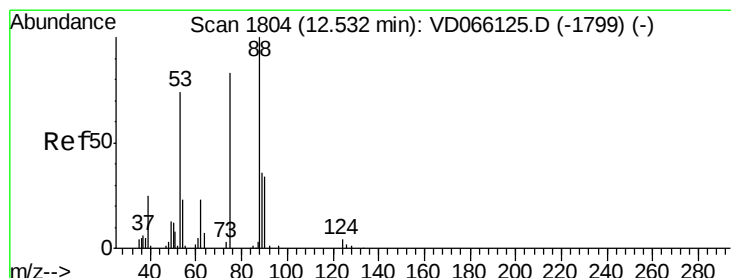
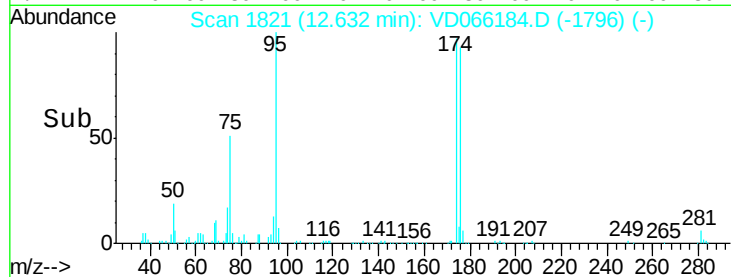


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 125.905 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066184.D

Acq: 11 Aug 2020 14:08

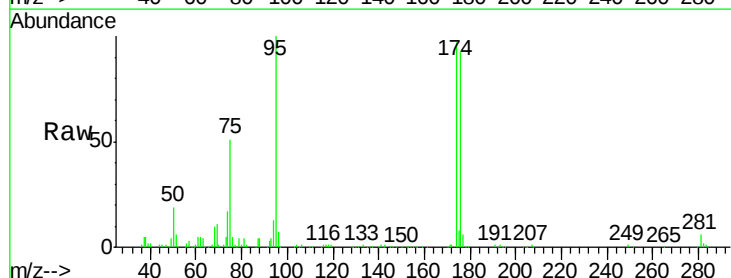
Tgt Ion: 75 Resp: 110984

Ion Ratio Lower Upper

75 100

53 0.2 73.4 110.2#

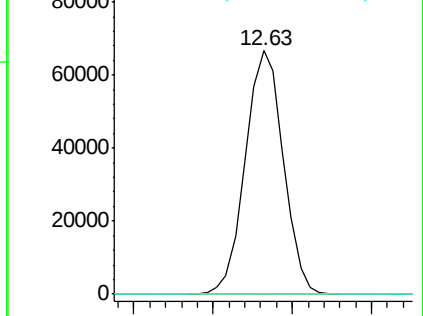
89 0.0 36.6 55.0#



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



Time--> 12.55 12.60 12.65 12.70

