

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067100.D
 Acq On : 06 Oct 2020 11:43
 Operator : VA/SY
 Sample : L4272-03
 Misc : 7.48G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-1-(6)

Quant Time: Oct 07 01:10:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

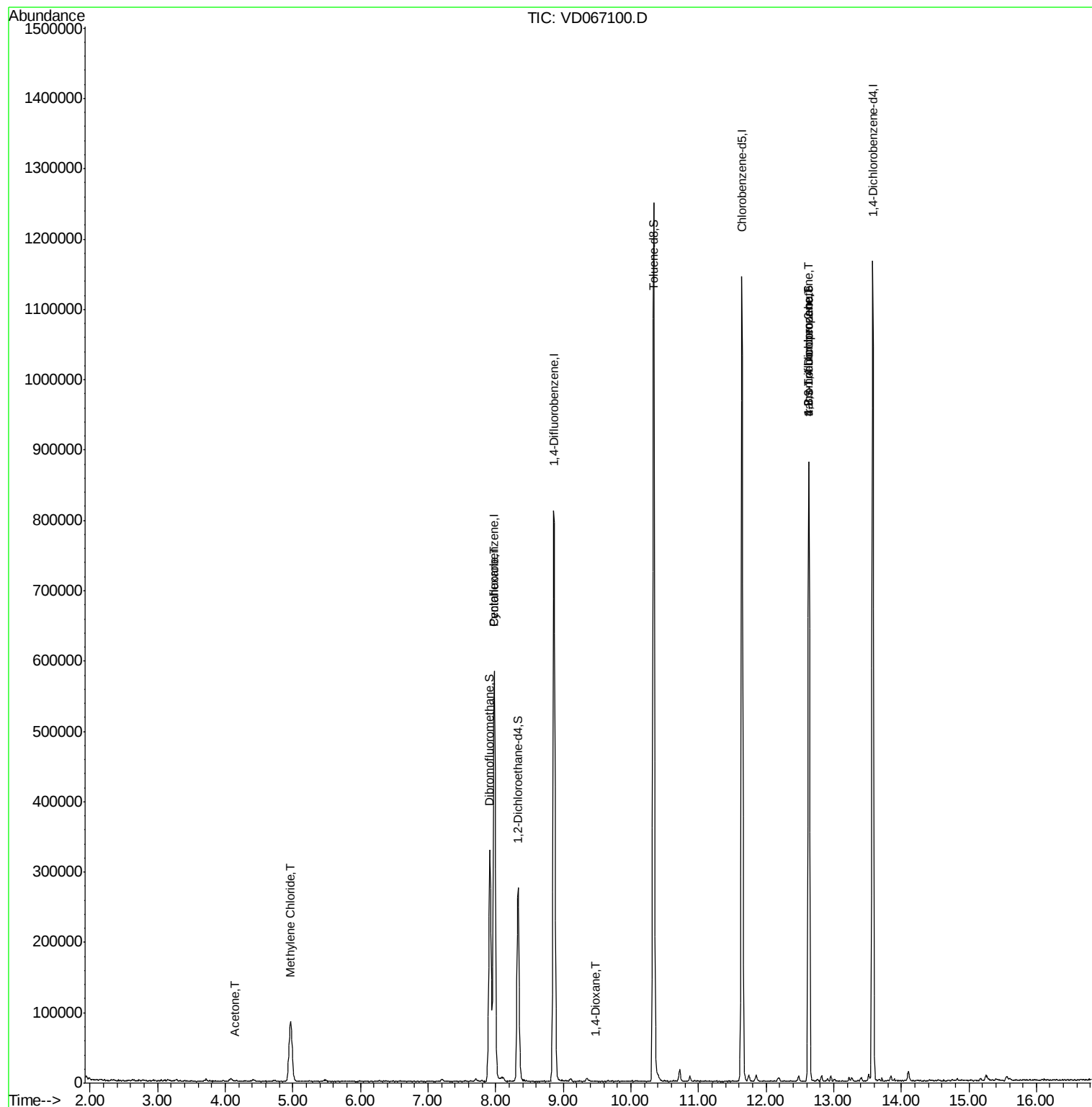
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	435427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	746270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	685748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	318380	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	226669	54.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.10%	
35) Dibromofluoromethane	7.91	113	240881	49.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.60%	
50) Toluene-d8	10.34	98	870858	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.63	95	290586	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	1734	Below Cal		91
5) Bromomethane	2.79	94	1177	Below Cal	#	50
16) Acetone	4.15	43	985	1.539	ug/l #	42
20) Methylene Chloride	4.96	84	73221	10.347	ug/l	98
26) 2,2-Dichloropropane	7.21	77	1547	Below Cal		98
31) Cyclohexane	7.98	56	8998	1.429	ug/l #	21
49) 1,4-Dioxane	9.47	88	87	3.195	ug/l #	25
76) 1,2,3-Trichloropropane	12.63	75	145291	52.391	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	145291	130.618	ug/l #	12

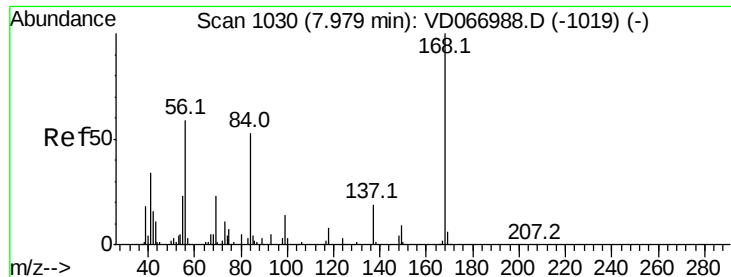
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
MH-1-(6)

Quant Time: Oct 07 01:10:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067100.D

Acq: 06 Oct 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

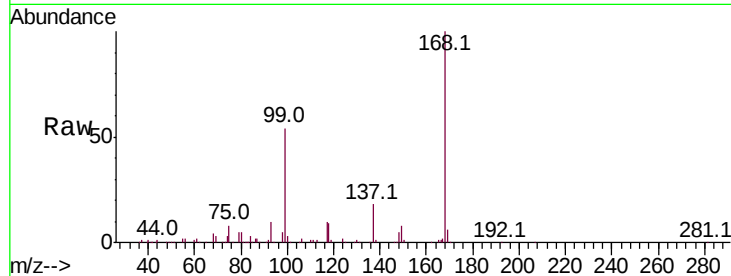
MH-1-(6)

Tot Ion:168 Resp: 435427

Ion Ratio Lower Upper

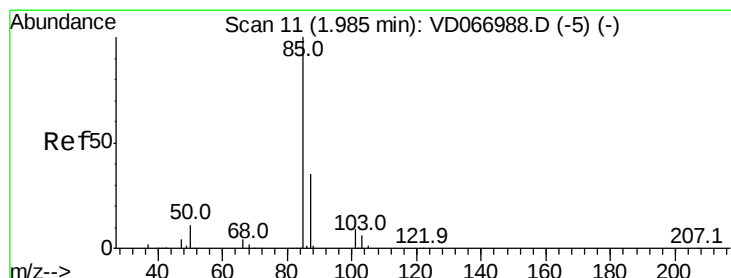
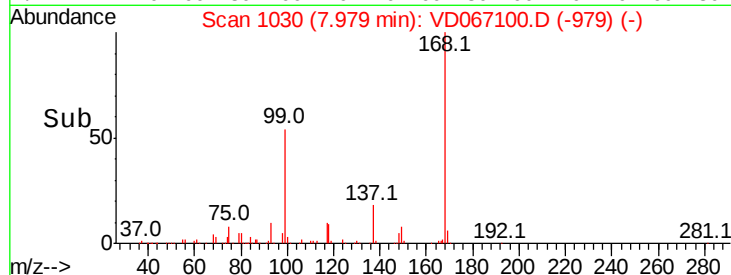
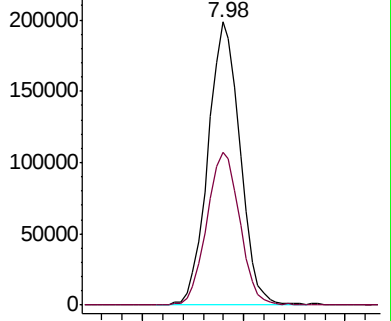
168 100

99 54.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067100.D

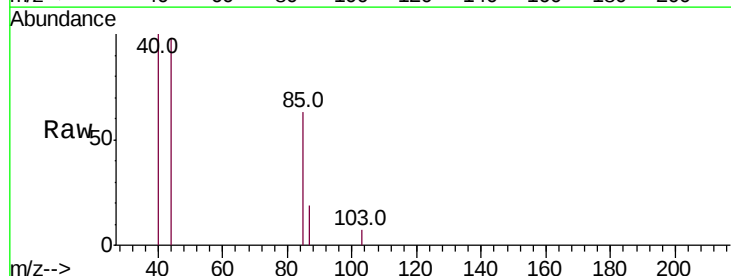
Acq: 06 Oct 2020 11:43

Tgt Ion: 85 Resp: 1734

Ion Ratio Lower Upper

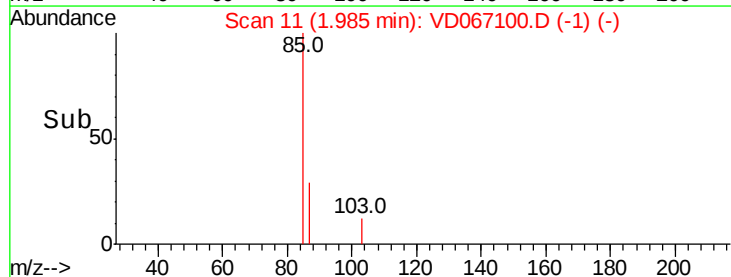
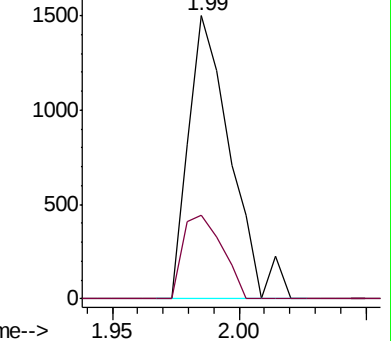
85 100

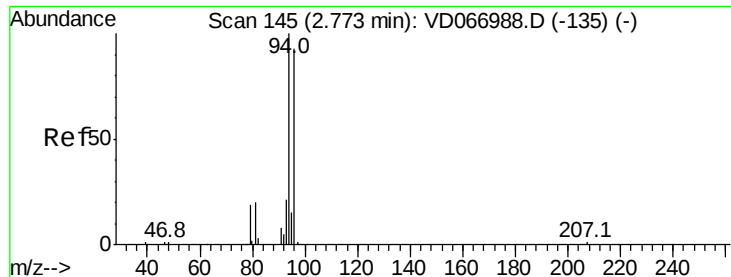
87 29.5 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067100.D

Acq: 06 Oct 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

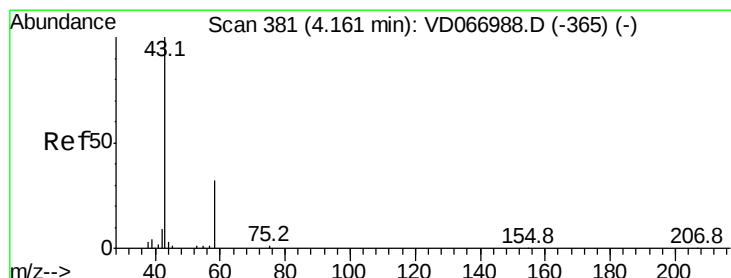
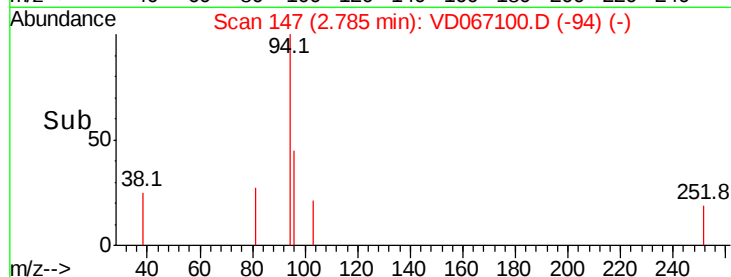
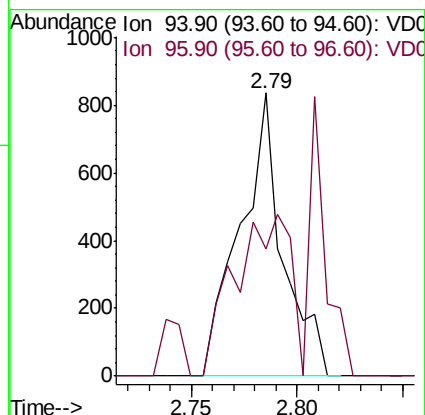
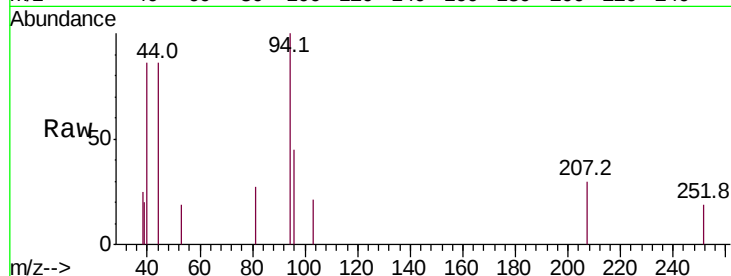
MH-1-(6)

Tot Ion: 94 Resp: 1177

Ion Ratio Lower Upper

94 100

96 45.1 74.6 112.0#



#16

Acetone

Concen: 1.539 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067100.D

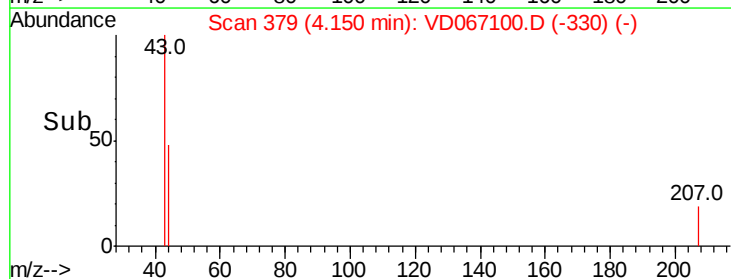
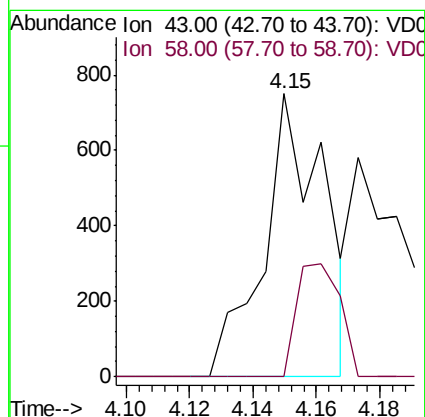
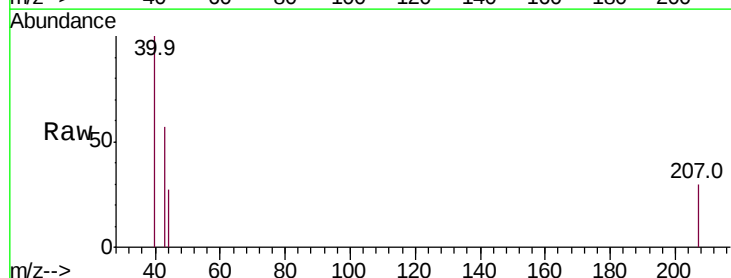
Acq: 06 Oct 2020 11:43

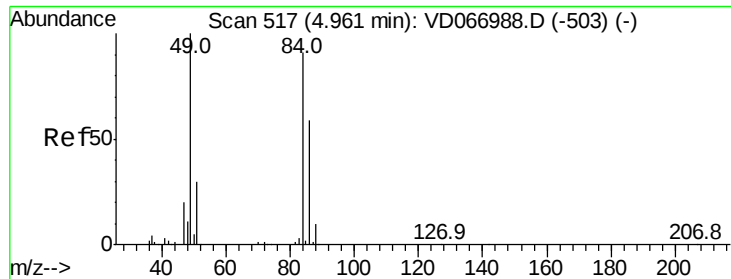
Tgt Ion: 43 Resp: 985

Ion Ratio Lower Upper

43 100

58 0.0 25.9 38.9#

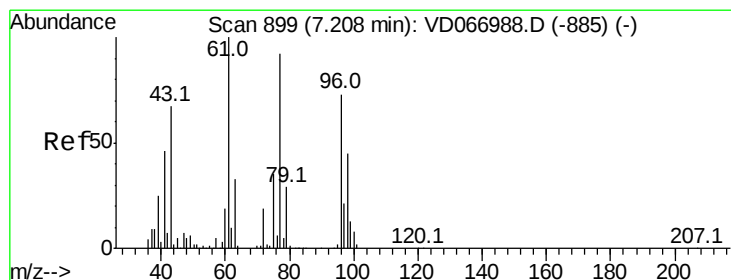
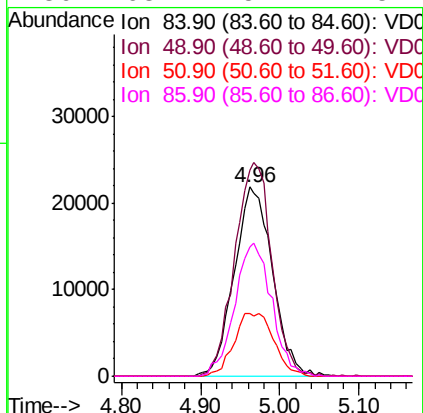
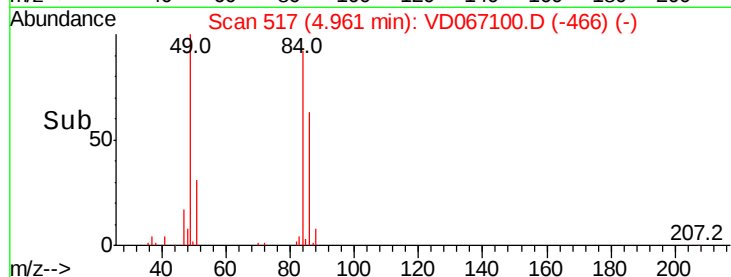
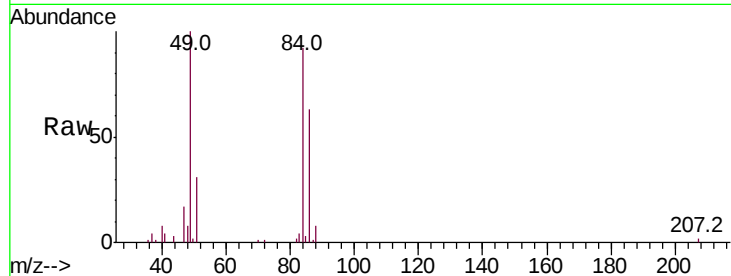




#20
Methvlene Chloride
Concen: 10.347 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067100.D
Acq: 06 Oct 2020 11:43

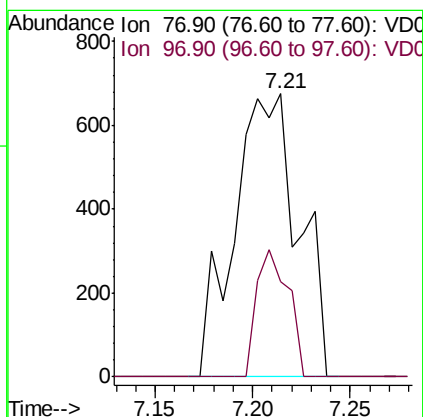
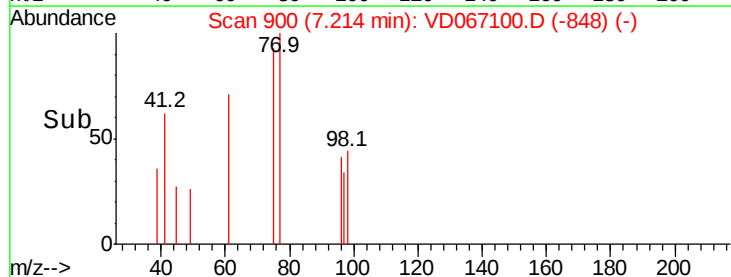
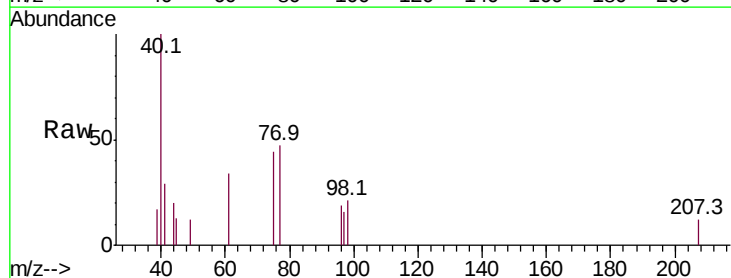
Instrument :
MSVOA_D
ClientSampled :
MH-1-(6)

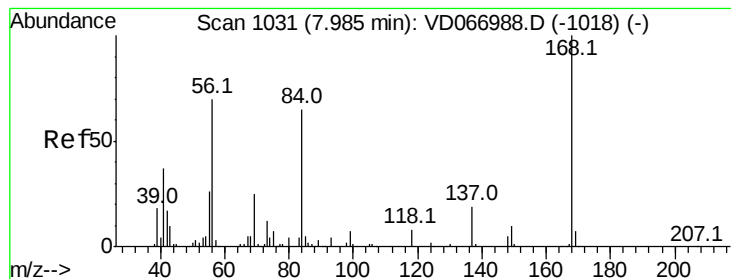
Tot Ion: 84 Resp: 73221
Ion Ratio Lower Upper
84 100
49 108.8 88.2 132.2
51 33.4 26.6 39.8
86 68.7 52.1 78.1



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067100.D
Acq: 06 Oct 2020 11:43

Tgt Ion: 77 Resp: 1547
Ion Ratio Lower Upper
77 100
97 22.0 11.4 34.2





#31

Cyclohexane

Concen: 1.429 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067100.D

Acq: 06 Oct 2020 11:43

Instrument :

MSVOA_D

ClientSampled :

MH-1-(6)

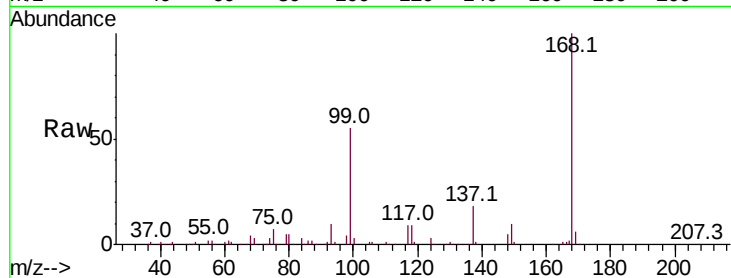
Tot Ion: 56 Resp: 8998

Ion Ratio Lower Upper

56 100

69 148.5 29.0 43.6#

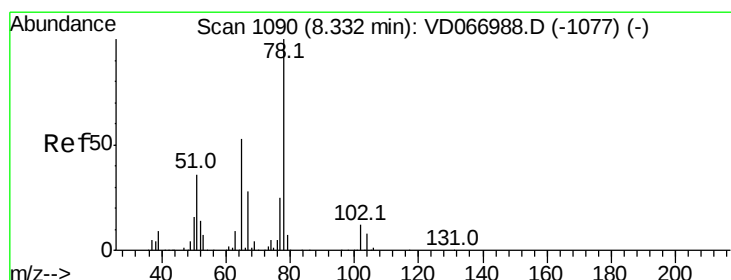
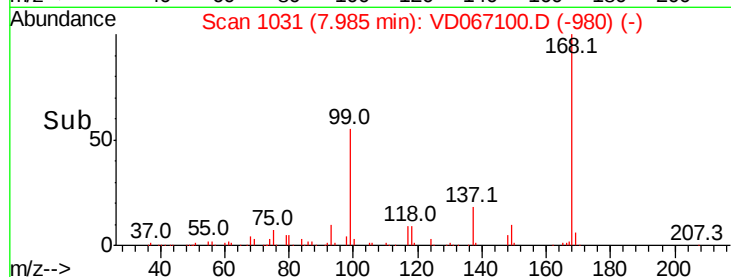
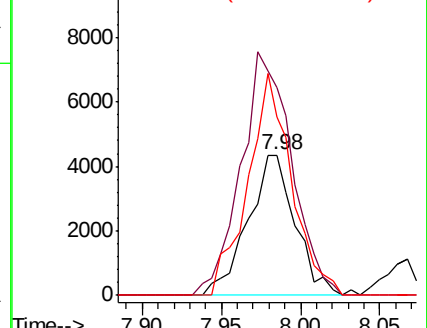
84 126.8 74.2 111.2#



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: 54.046 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067100.D

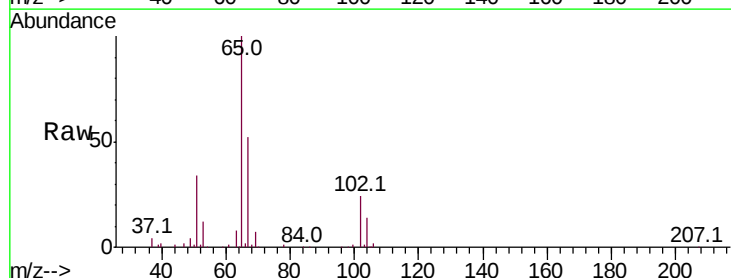
Acq: 06 Oct 2020 11:43

Tgt Ion: 65 Resp: 226669

Ion Ratio Lower Upper

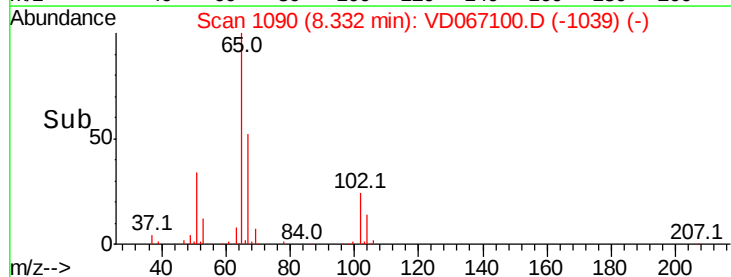
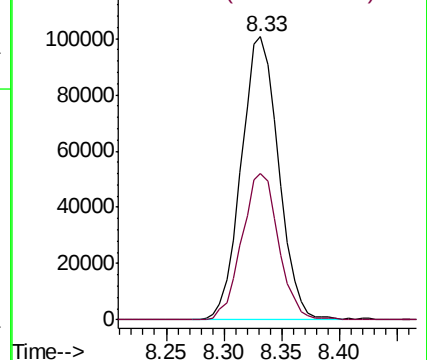
65 100

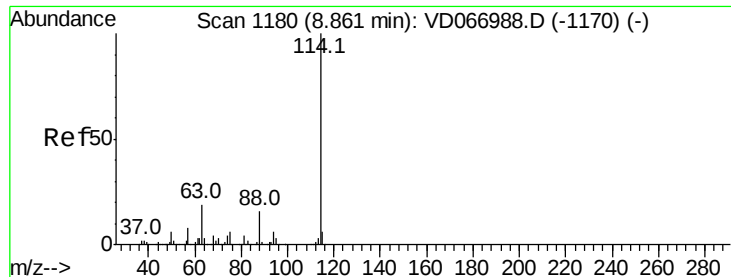
67 50.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

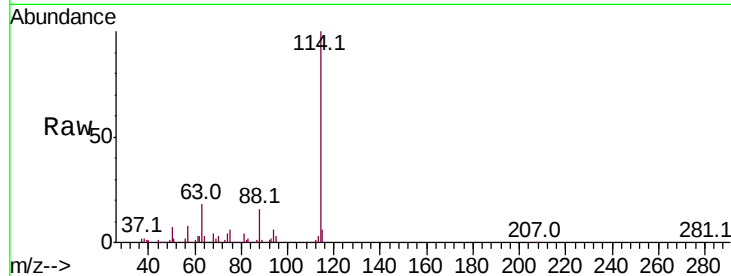




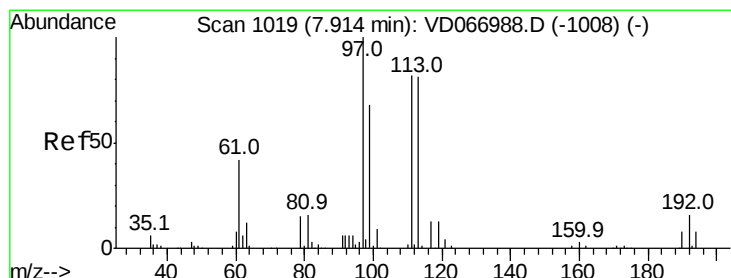
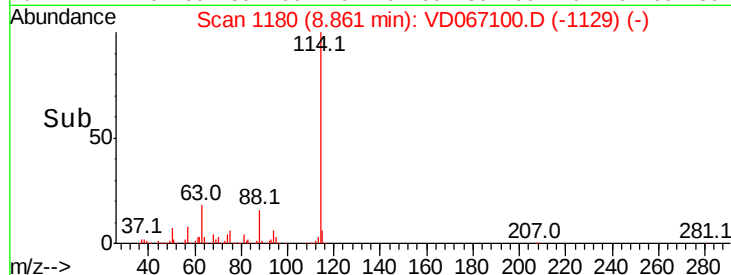
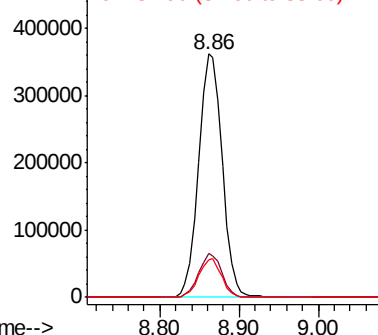
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD067100.D
Acq: 06 Oct 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
MH-1-(6)

Tot Ion:114 Resp: 746270
Ion Ratio Lower Upper
114 100
63 17.8 0.0 38.4
88 15.6 0.0 31.2

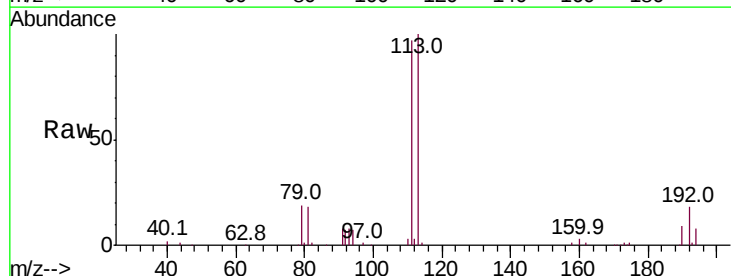


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

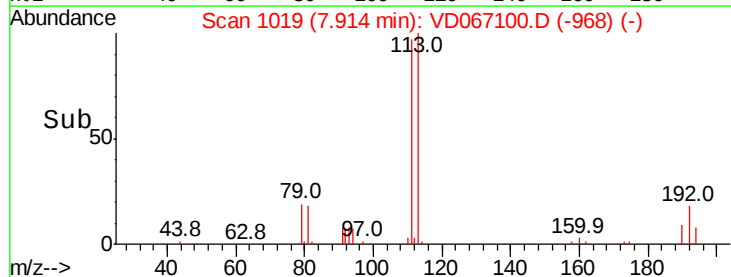
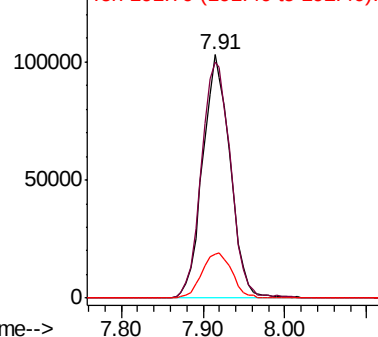


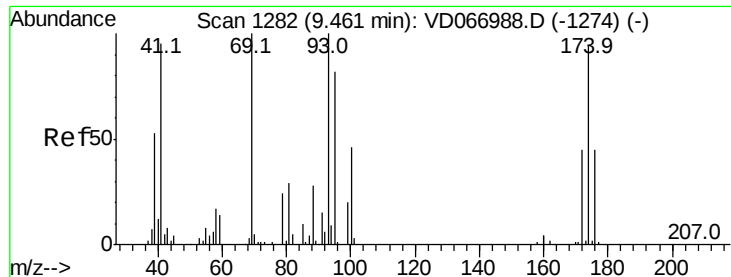
#35
Dibromofluoromethane
Concen: 49.303 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067100.D
Acq: 06 Oct 2020 11:43

Tgt Ion:113 Resp: 240881
Ion Ratio Lower Upper
113 100
111 103.2 83.0 124.4
192 20.3 15.5 23.3



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





#49

1,4-Dioxane

Concen: 3.195 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD067100.D

Acq: 06 Oct 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

MH-1-(6)

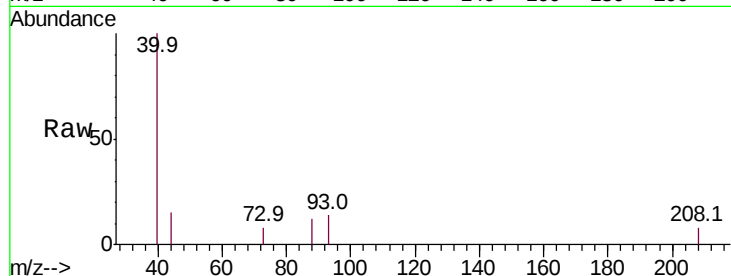
Tot Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

58 0.0 53.5 80.3#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

9.47

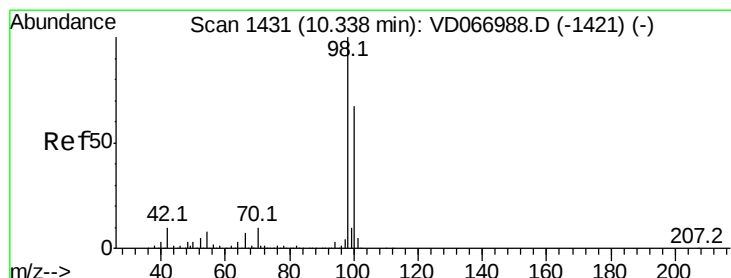
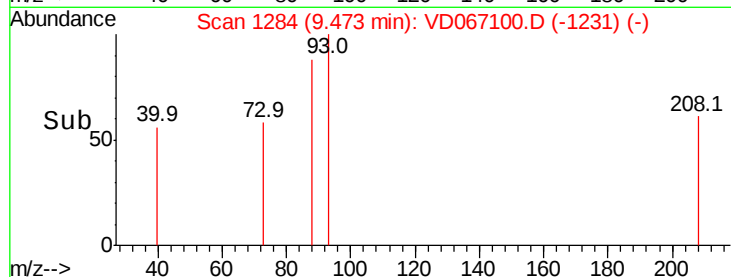
200

100

0

9.45 9.46 9.47 9.48 9.49

Time-->



#50

Toluene-d8

Concen: 48.917 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067100.D

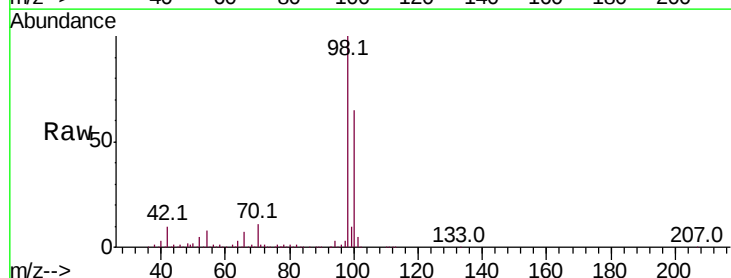
Acq: 06 Oct 2020 11:43

Tgt Ion: 98 Resp: 870858

Ion Ratio Lower Upper

98 100

100 64.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

500000

400000

300000

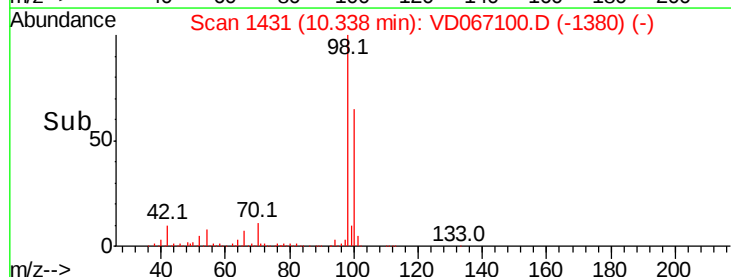
200000

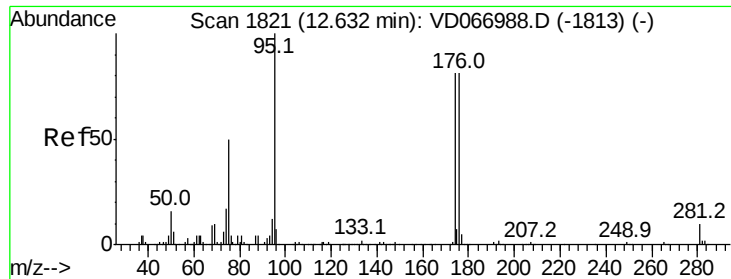
100000

0

10.30 10.34 10.40

Time-->

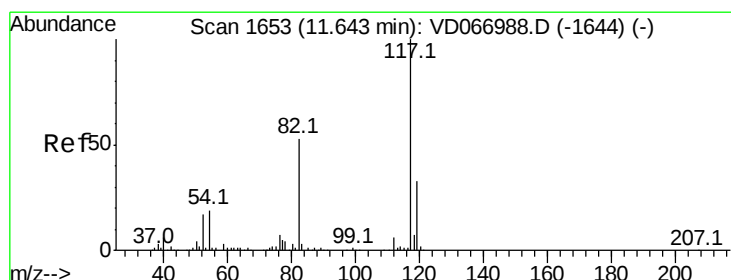
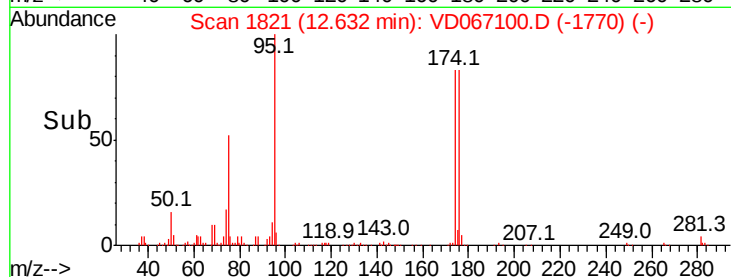
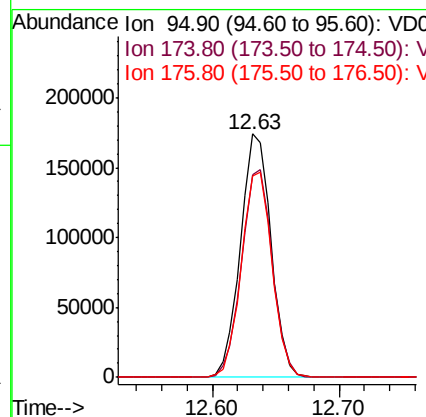
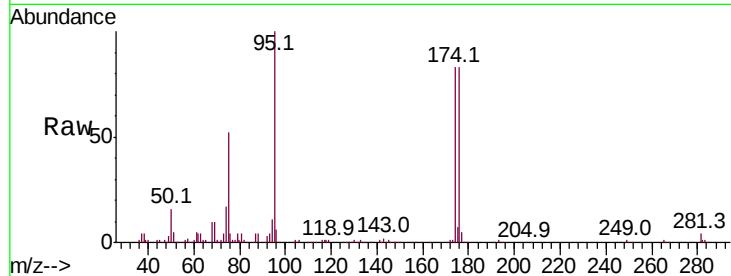




#62
4-Bromofluorobenzene
Concen: 48.081 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067100.D
Acq: 06 Oct 2020 11:43

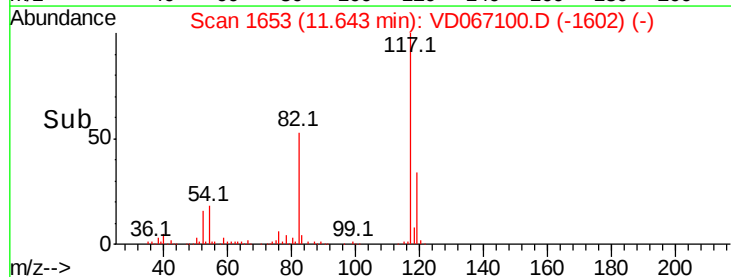
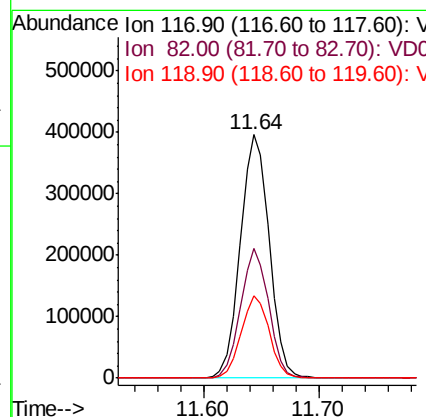
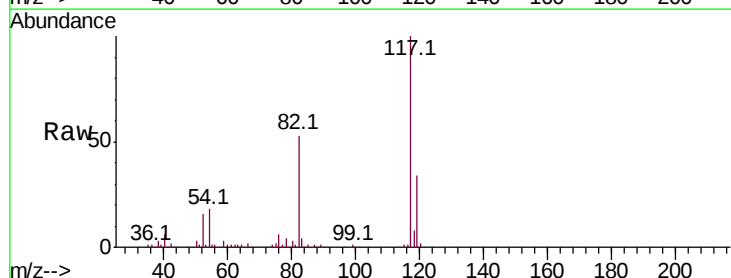
Instrument :
MSVOA_D
ClientSampleId :
MH-1-(6)

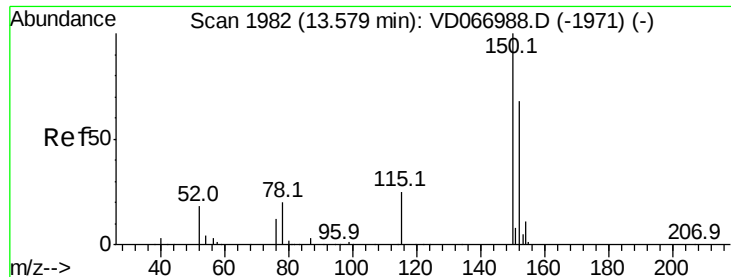
Tot Ion: 95 Resp: 290586
Ion Ratio Lower Upper
95 100
174 86.0 0.0 167.6
176 84.7 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067100.D
Acq: 06 Oct 2020 11:43

Tgt Ion: 117 Resp: 685748
Ion Ratio Lower Upper
117 100
82 53.4 42.6 63.8
119 33.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067100.D

Acq: 06 Oct 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

MH-1-(6)

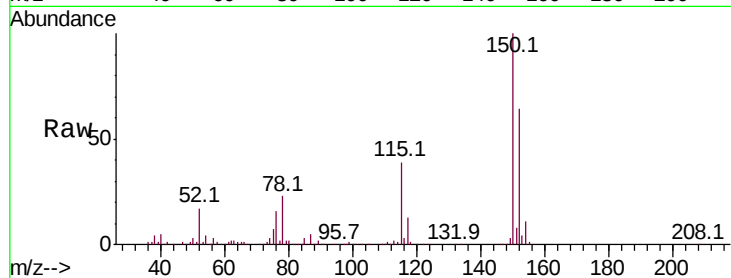
Tot Ion:152 Resp: 318380

Ion Ratio Lower Upper

152 100

115 60.4 29.6 88.8

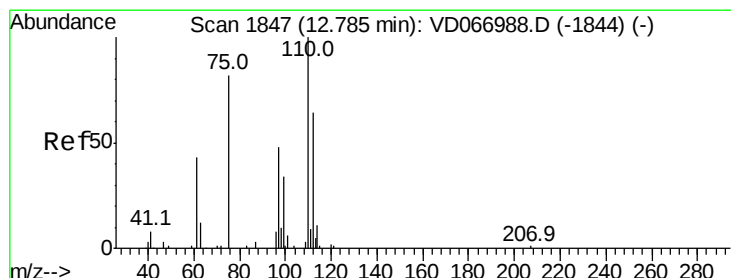
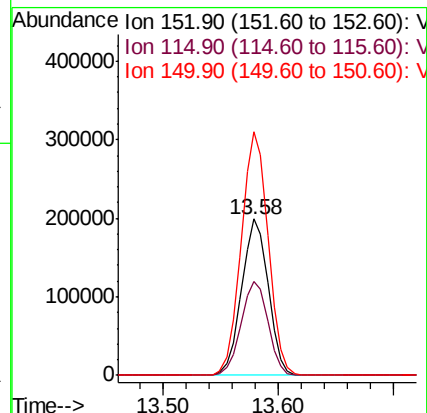
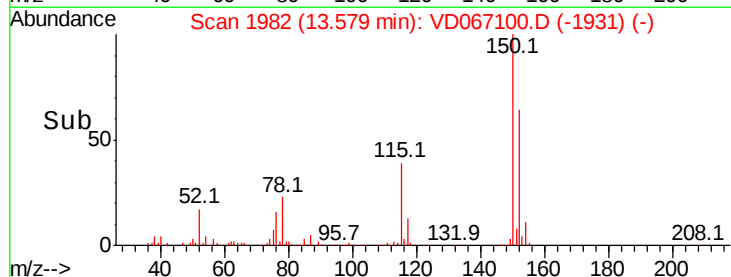
150 156.6 0.0 344.8



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: 52.391 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067100.D

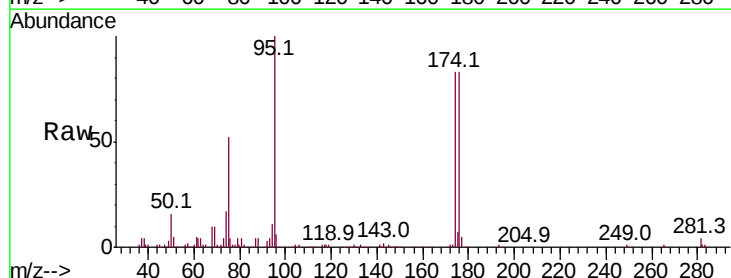
Acq: 06 Oct 2020 11:43

Tgt Ion: 75 Resp: 145291

Ion Ratio Lower Upper

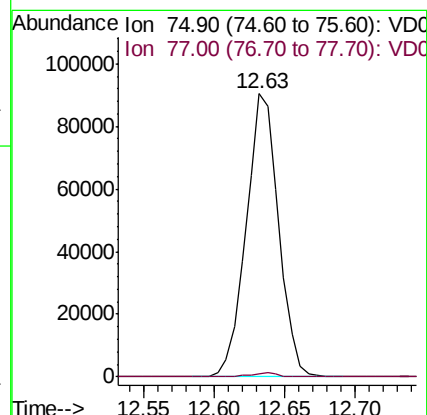
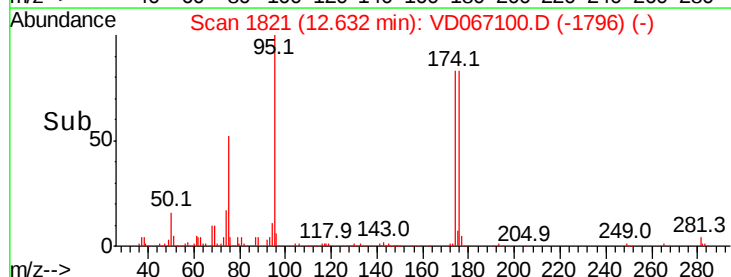
75 100

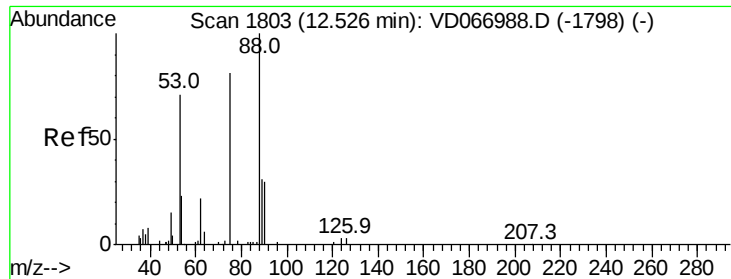
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 130.618 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067100.D

Acq: 06 Oct 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

MH-1-(6)

Tot Ion: 75 Resp: 145291

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#

