

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067159.D
 Acq On : 07 Oct 2020 18:19
 Operator : VA/SY
 Sample : L4273-11RE
 Misc : 4.14G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-6

Quant Time: Oct 08 07:25:09 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

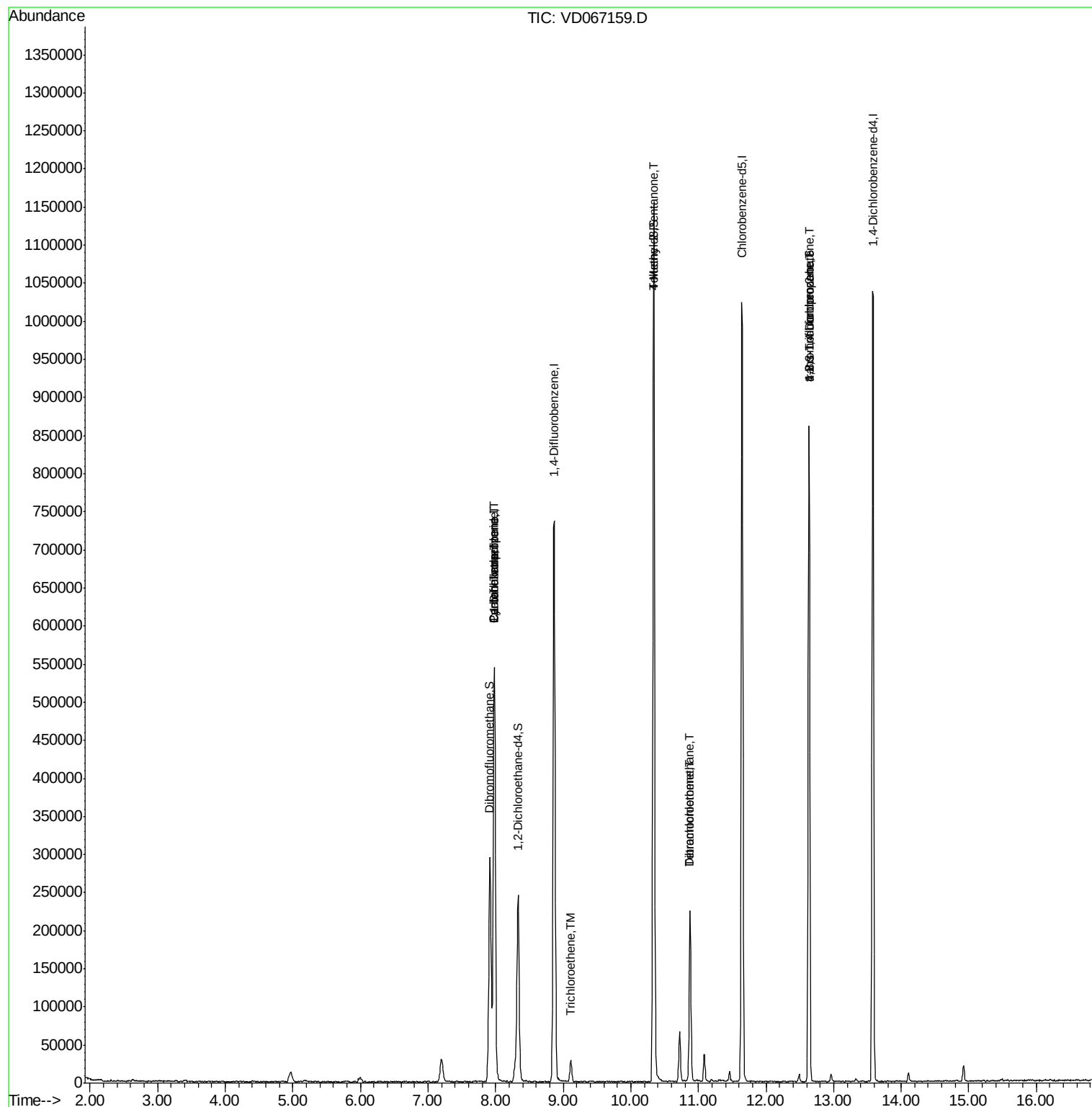
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	420730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	674243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	630986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293314	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	204255	50.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.80%	
35) Dibromofluoromethane	7.91	113	217295	49.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.46%	
50) Toluene-d8	10.34	98	790837	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.64	95	266196	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	798	Below Cal		76
5) Bromomethane	2.80	94	74	Below Cal	#	3
11) Tert butyl alcohol	5.22	59	451	Below Cal	#	72
20) Methylene Chloride	4.97	84	11137	Below Cal	#	82
26) 2,2-Dichloropropane	7.19	77	2119	Below Cal	#	53
31) Cyclohexane	7.98	56	8418	1.383	ug/l #	43
36) 1,1-Dichloropropene	7.98	75	30863	4.911	ug/l #	49
38) Carbon Tetrachloride	7.99	117	44448	6.537	ug/l #	19
44) Trichloroethene	9.11	130	10615	2.036	ug/l	93
51) 4-Methyl-2-Pentanone	10.34	43	3081	1.542	ug/l #	1
60) Dibromochloromethane	10.87	129	49184	11.259	ug/l #	12
64) Tetrachloroethene	10.88	164	56043	12.217	ug/l	86
76) 1,2,3-Trichloropropane	12.64	75	133834	52.384	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	133834	130.600	ug/l #	12

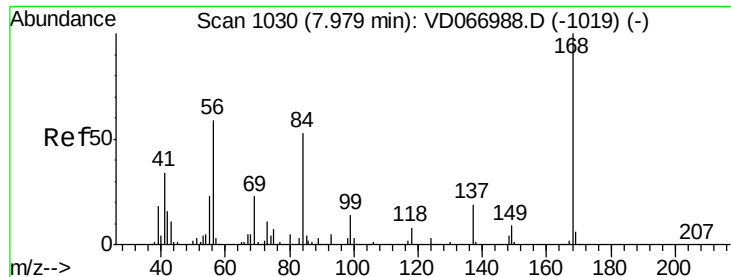
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD067159.D

Acq: 07 Oct 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

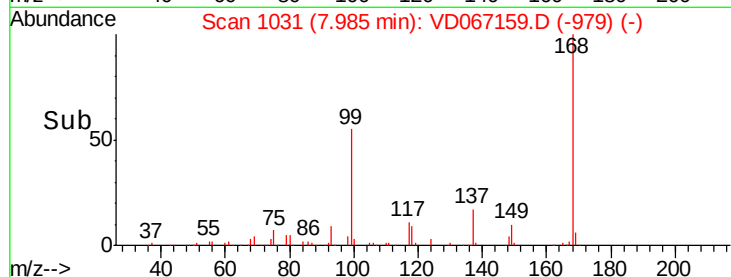
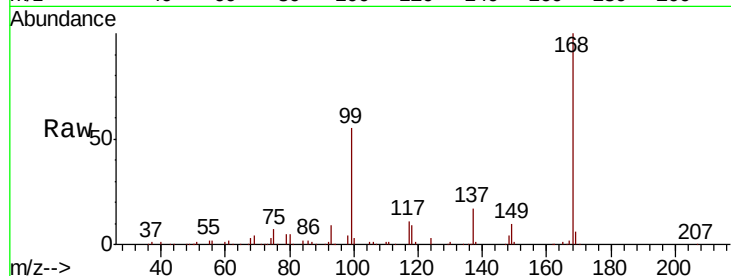
SB-6

Tot Ion:168 Resp: 420730

Ion Ratio Lower Upper

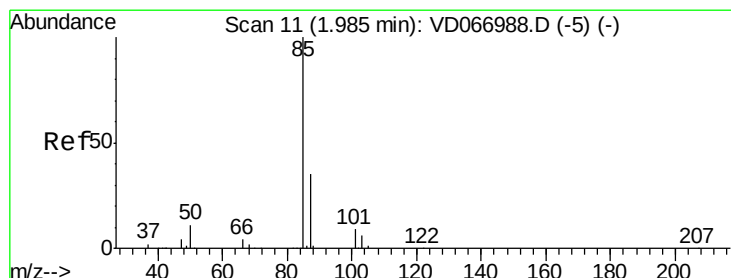
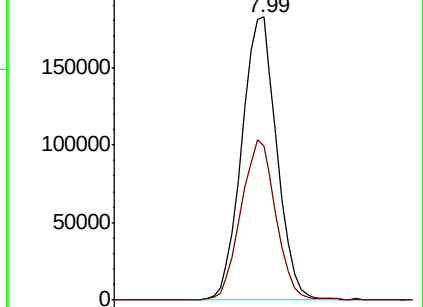
168 100

99 54.6 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: VD067159.D

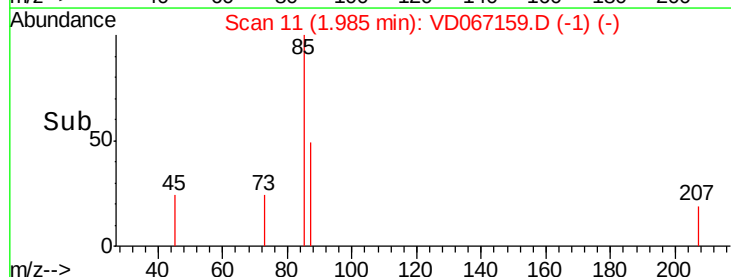
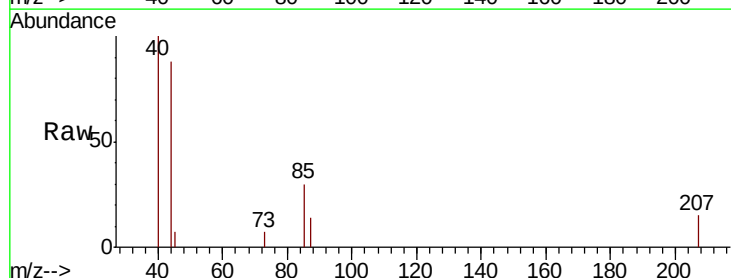
Acq: 07 Oct 2020 18:19

Tgt Ion: 85 Resp: 798

Ion Ratio Lower Upper

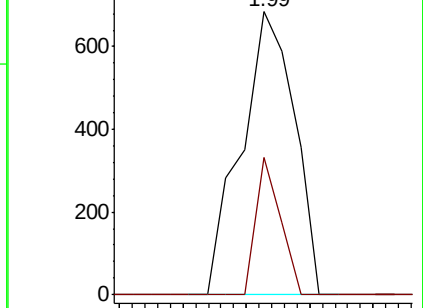
85 100

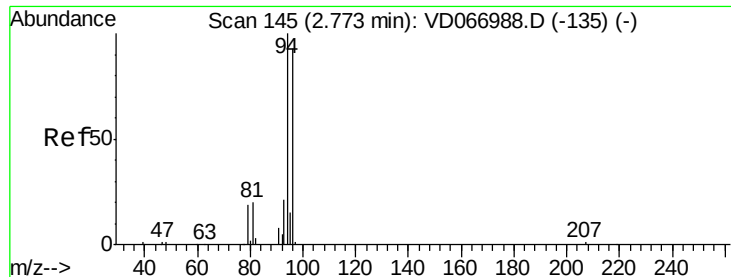
87 48.7 17.3 52.0



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: 2.80 min Scan# 149

Delta R.T. 0.02 min

Lab File: VD067159.D

Acq: 07 Oct 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

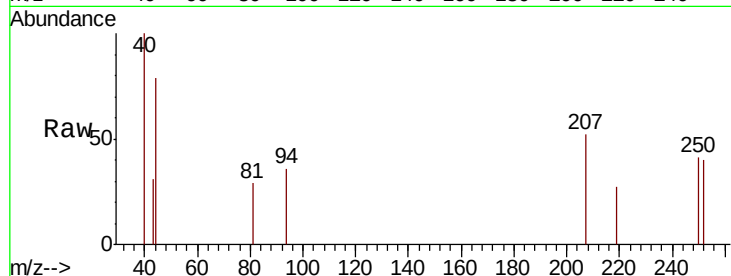
SB-6

Tot Ion: 94 Resp: 74

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.80

200

150

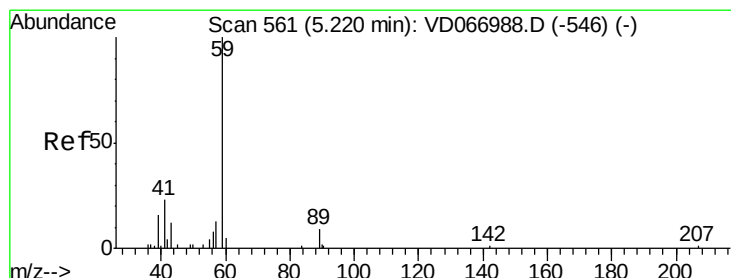
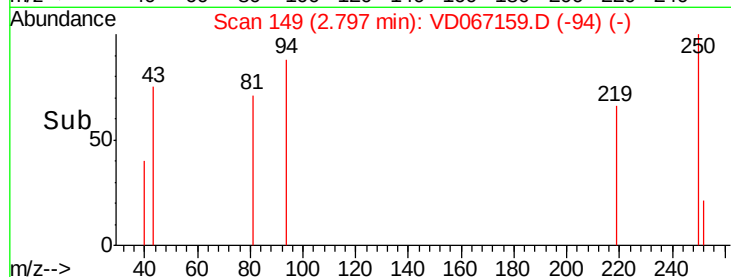
100

50

0

2.78 2.79 2.80 2.81

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD067159.D

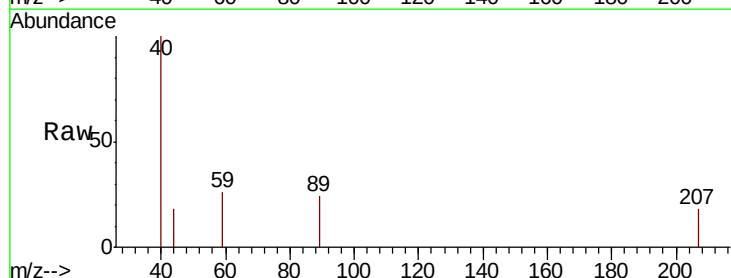
Acq: 07 Oct 2020 18:19

Tgt Ion: 59 Resp: 451

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

500

400

300

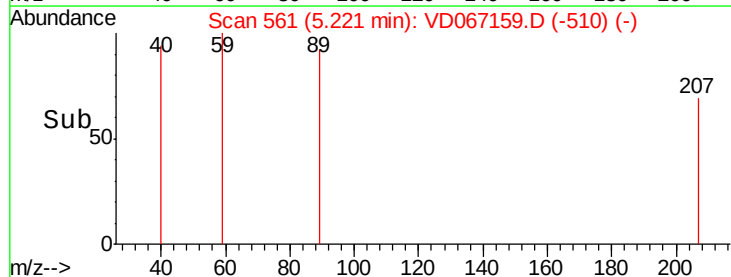
200

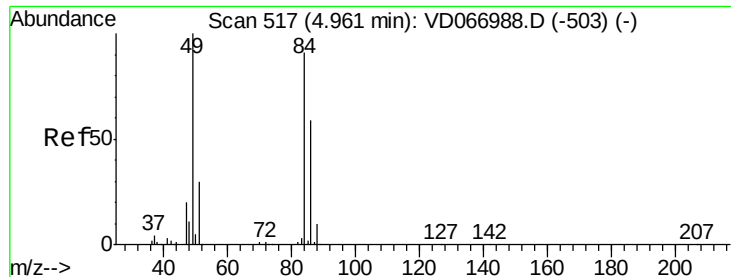
100

0

5.20 5.22 5.24 5.26

Time-->

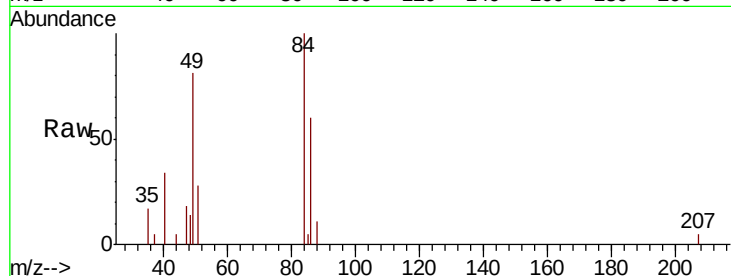




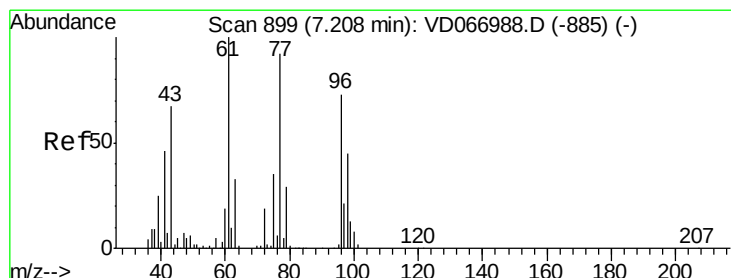
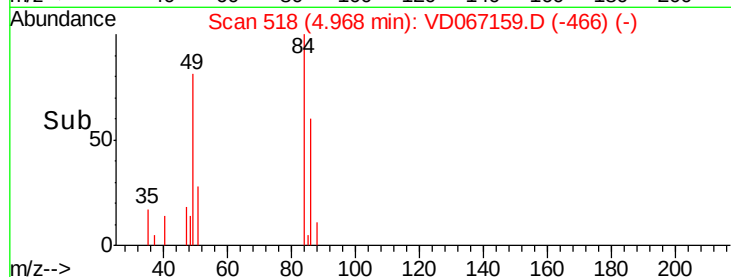
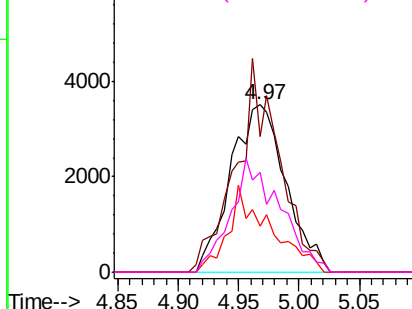
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067159.D
Acq: 07 Oct 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
SB-6

Tot Ion: 84 Resp: 11137
Ion Ratio Lower Upper
84 100
49 81.4 88.2 132.2#
51 27.7 26.6 39.8
86 59.9 52.1 78.1

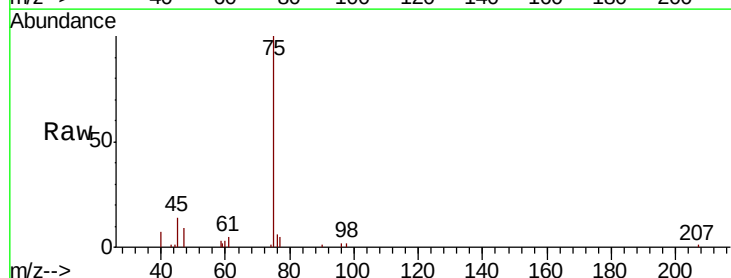


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

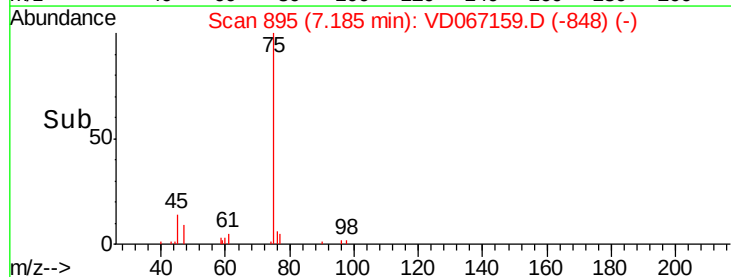
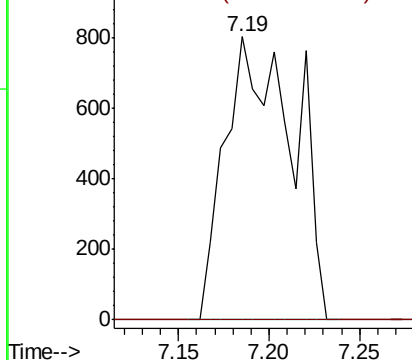


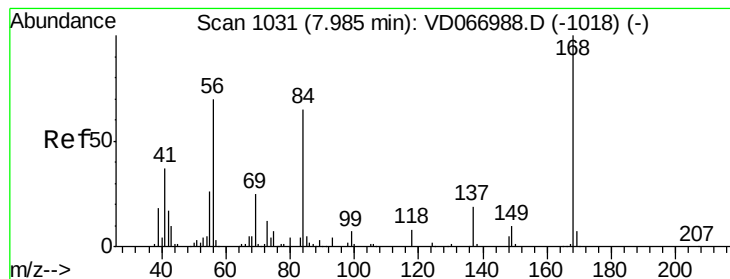
#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.19 min Scan# 895
Delta R.T. -0.02 min
Lab File: VD067159.D
Acq: 07 Oct 2020 18:19

Tgt Ion: 77 Resp: 2119
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC





#31

Cyclohexane

Concen: 1.383 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067159.D

Acq: 07 Oct 2020 18:19

Instrument :

MSVOA_D

ClientSampleID :

SB-6

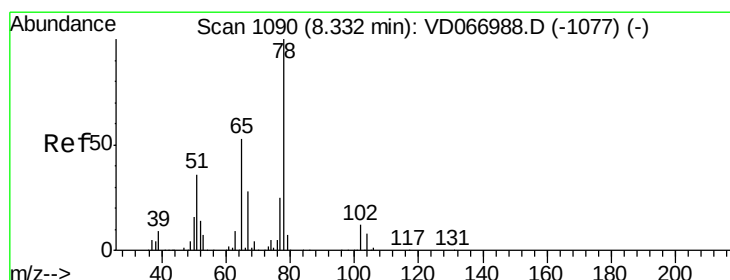
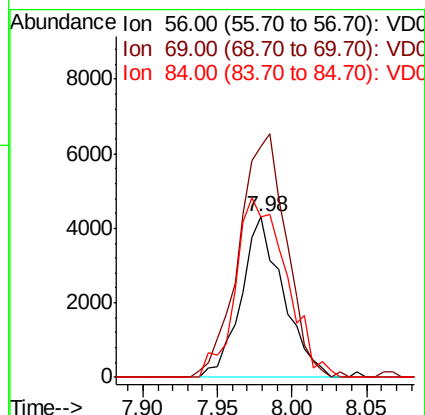
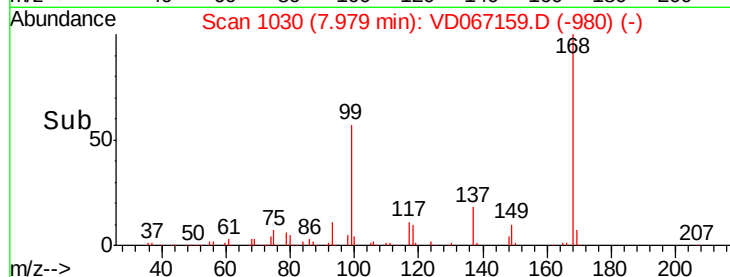
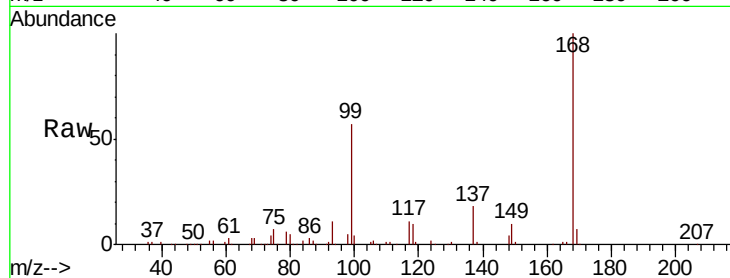
Tot Ion: 56 Resp: 8418

Ion Ratio Lower Upper

56 100

69 143.8 29.0 43.6#

84 100.1 74.2 111.2



#33

1,2-Dichloroethane-d4

Concen: 50.403 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067159.D

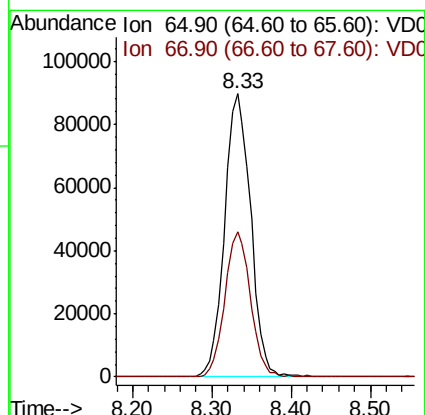
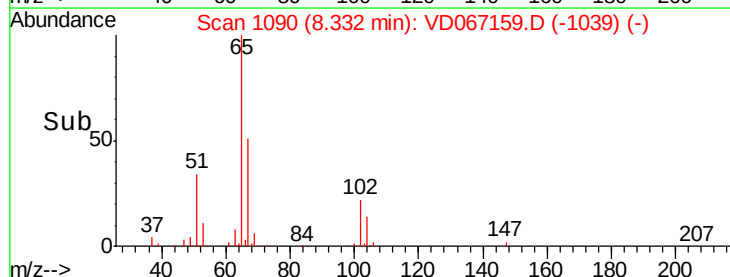
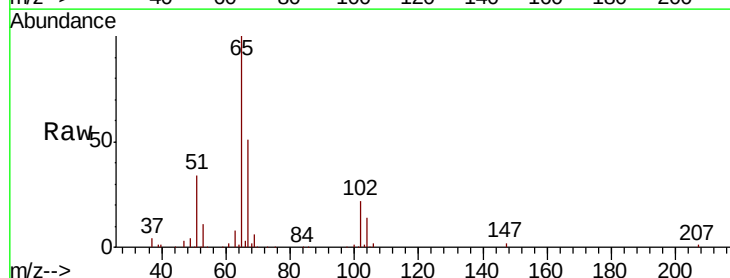
Acq: 07 Oct 2020 18:19

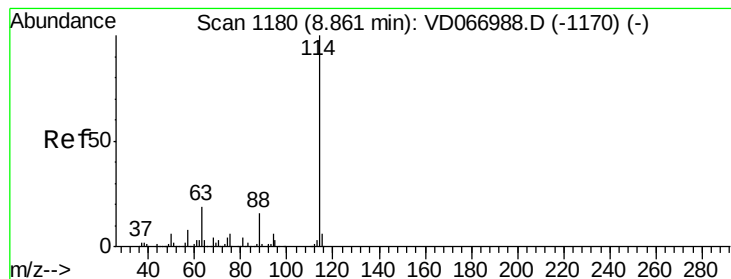
Tgt Ion: 65 Resp: 204255

Ion Ratio Lower Upper

65 100

67 50.4 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067159.D

Acq: 07 Oct 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

SB-6

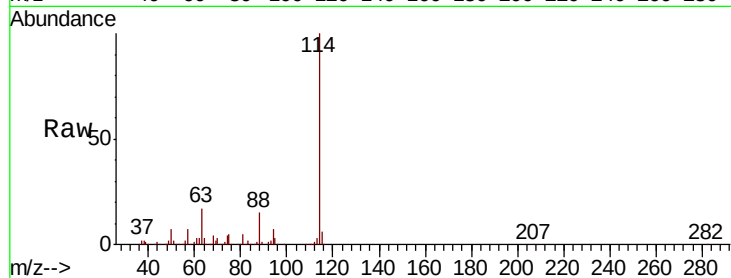
Tot Ion:114 Resp: 674243

Ion Ratio Lower Upper

114 100

63 16.6 0.0 38.4

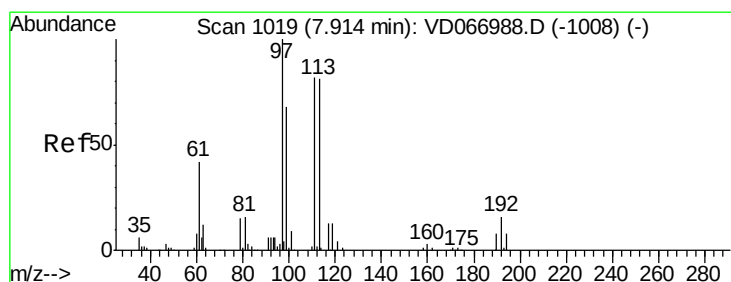
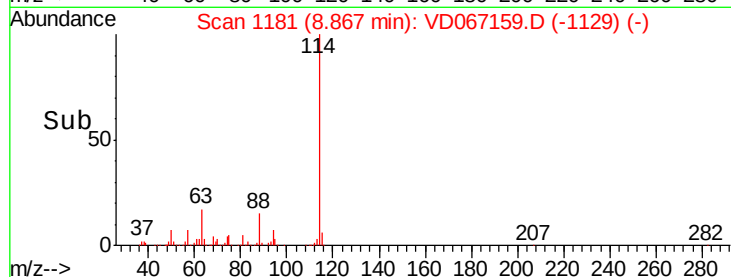
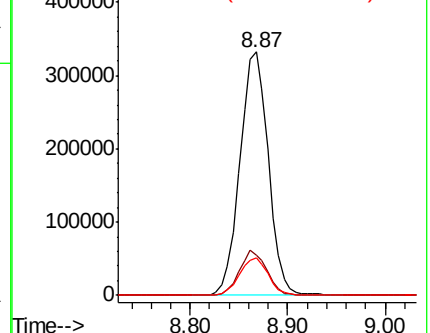
88 15.2 0.0 31.2



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: 49.227 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067159.D

Acq: 07 Oct 2020 18:19

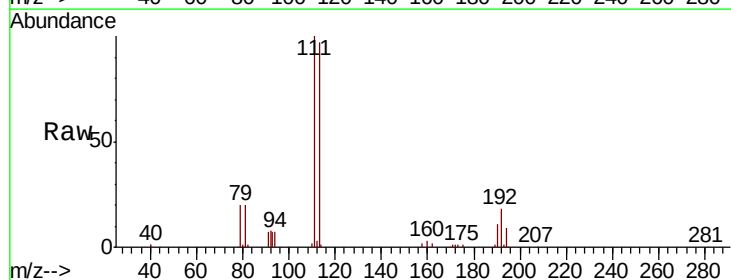
Tgt Ion:113 Resp: 217295

Ion Ratio Lower Upper

113 100

111 101.5 83.0 124.4

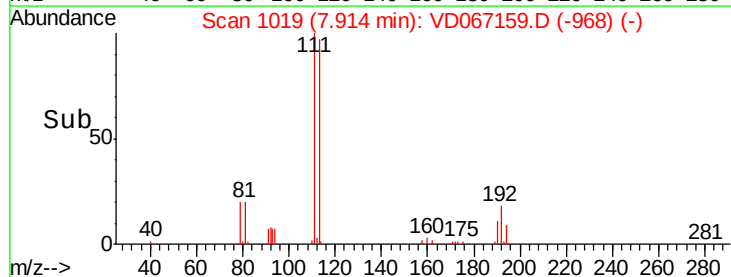
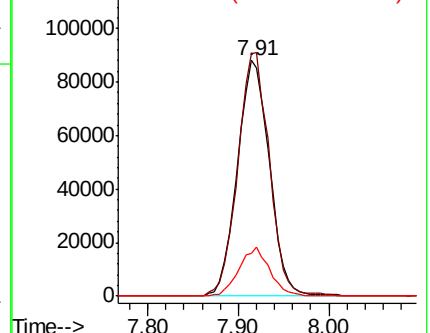
192 19.7 15.5 23.3

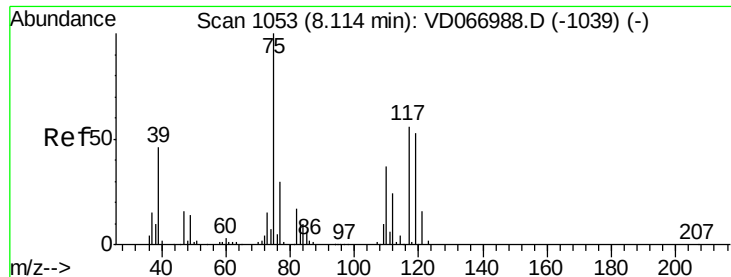


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.911 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067159.D

Acq: 07 Oct 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

SB-6

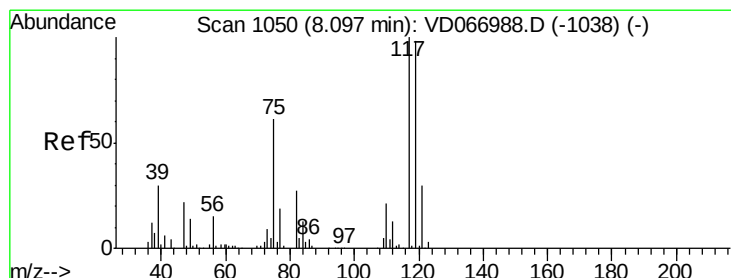
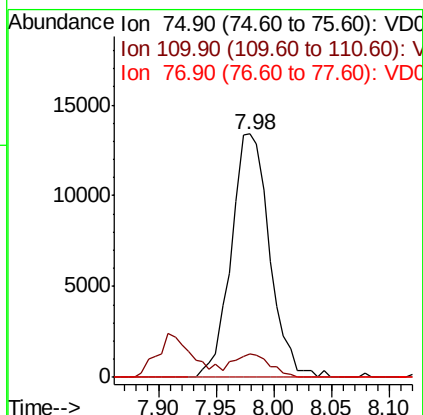
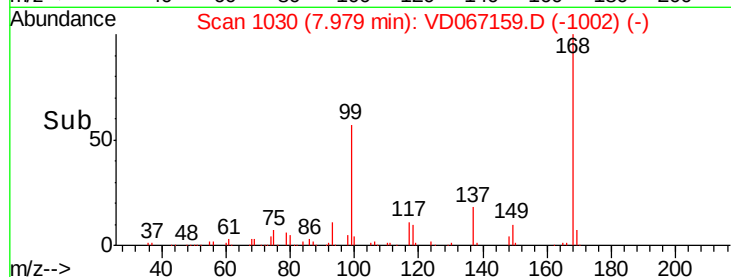
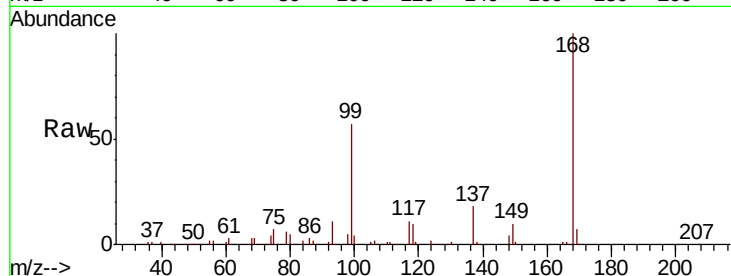
Tot Ion: 75 Resp: 30863

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.0#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.537 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067159.D

Acq: 07 Oct 2020 18:19

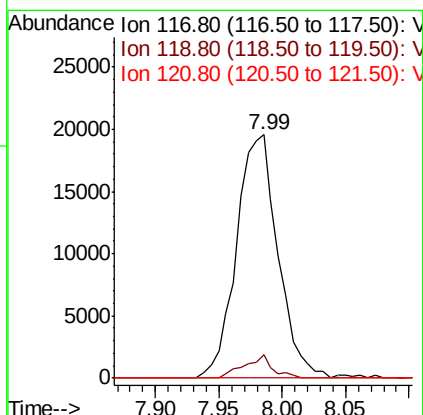
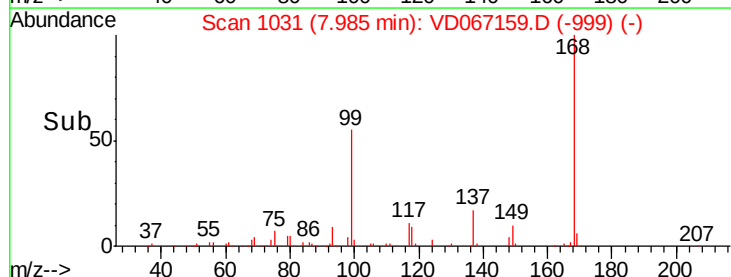
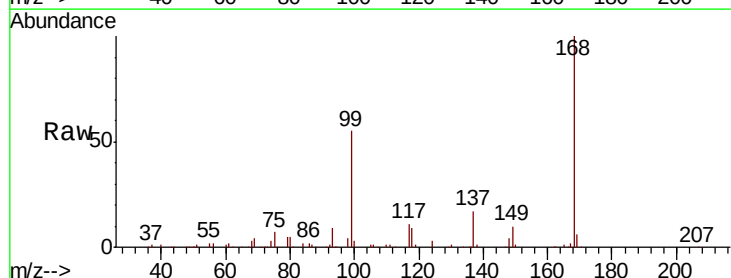
Tgt Ion: 117 Resp: 44448

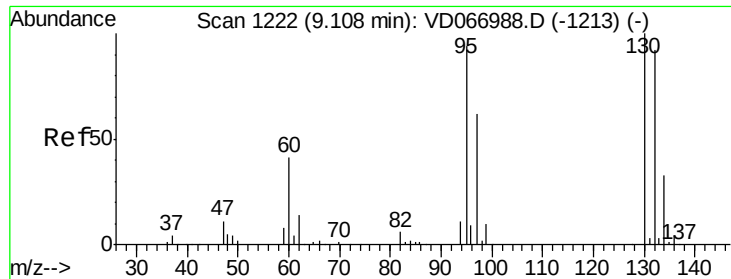
Ion Ratio Lower Upper

117 100

119 9.8 78.7 118.1#

121 0.0 24.2 36.2#





#44

Trichloroethene

Concen: 2.036 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD067159.D

Acq: 07 Oct 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

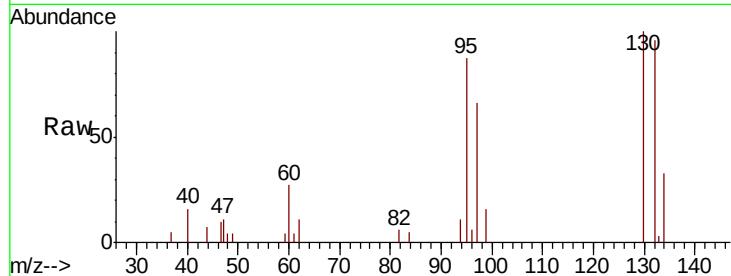
SB-6

Tot Ion:130 Resp: 10615

Ion Ratio Lower Upper

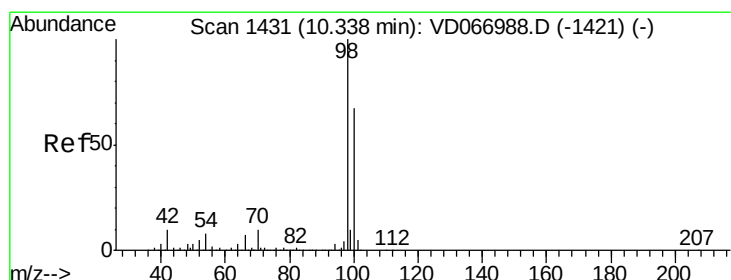
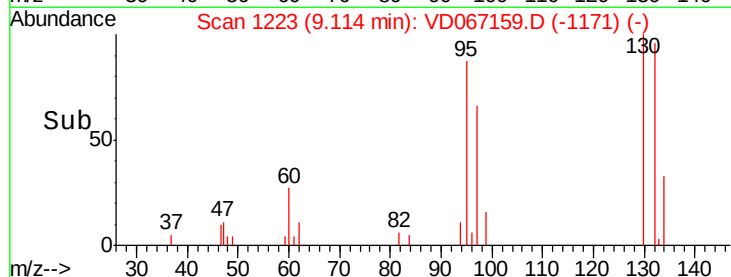
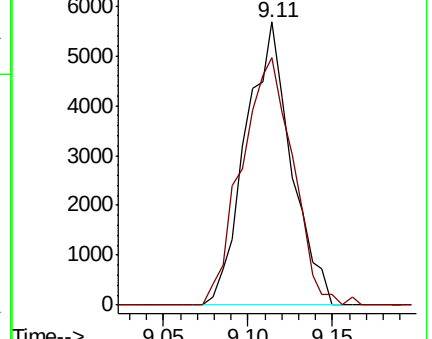
130 100

95 87.4 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: 49.167 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067159.D

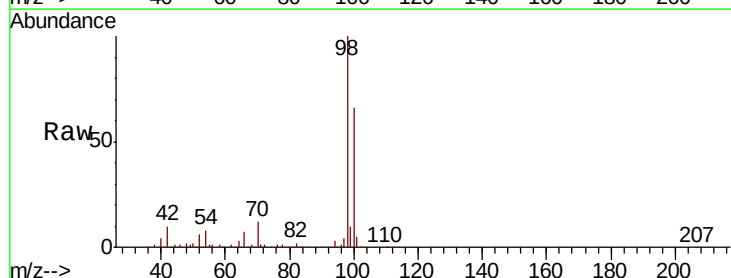
Acq: 07 Oct 2020 18:19

Tgt Ion: 98 Resp: 790837

Ion Ratio Lower Upper

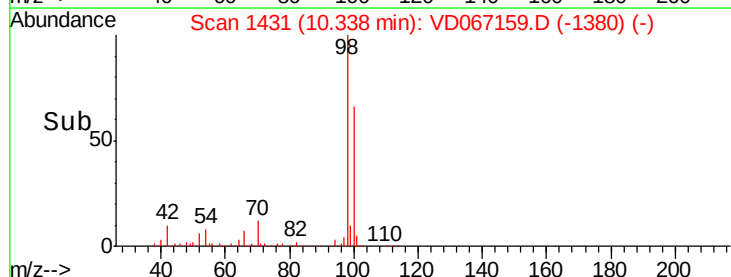
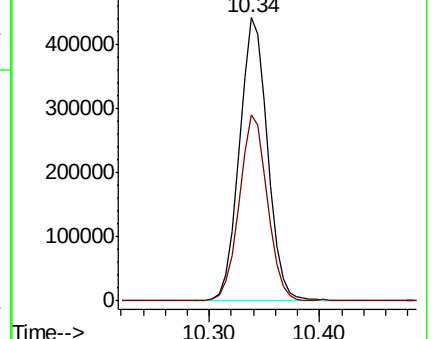
98 100

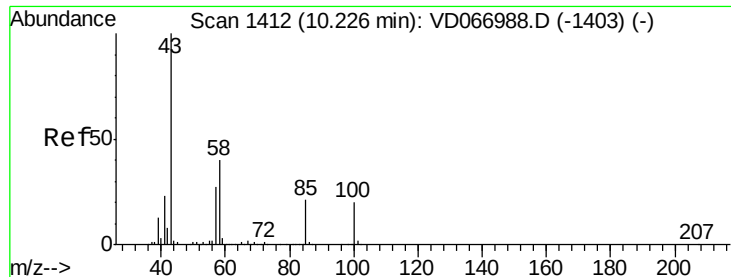
100 65.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

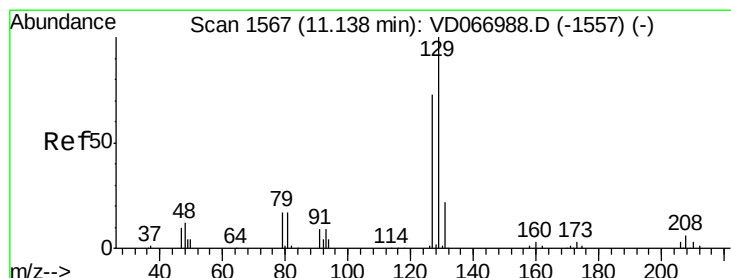
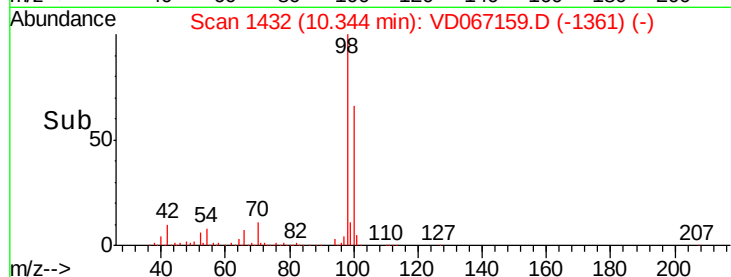
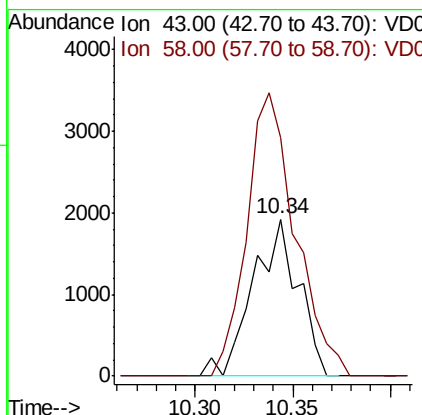
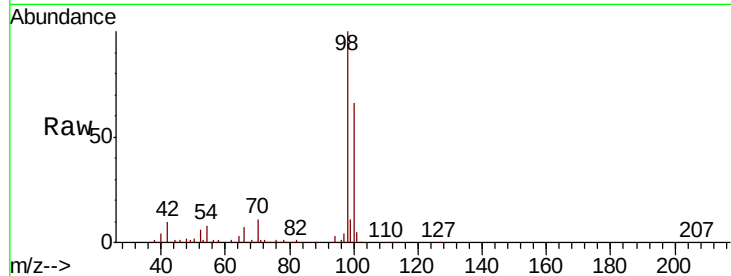




#51
4-Methyl-2-Pentanone
Concen: 1.542 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.12 min
Lab File: VD067159.D
Acq: 07 Oct 2020 18:19

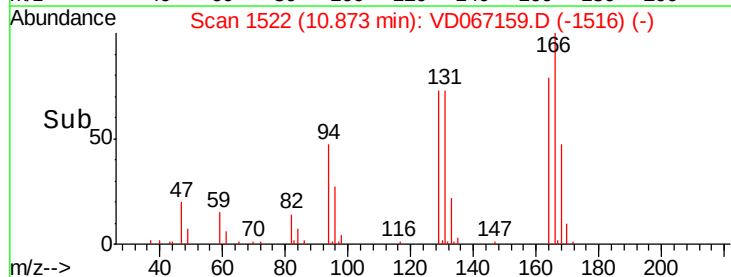
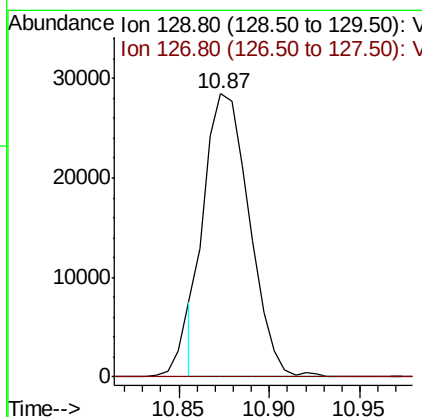
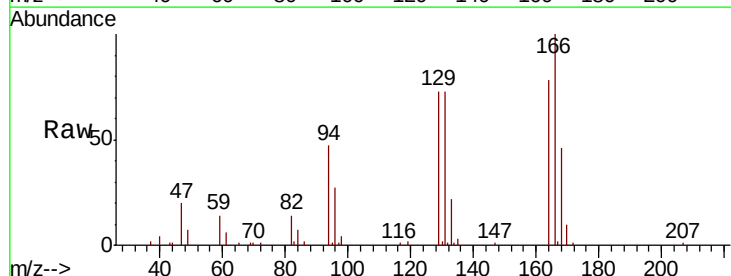
Instrument :
MSVOA_D
ClientSampled :
SB-6

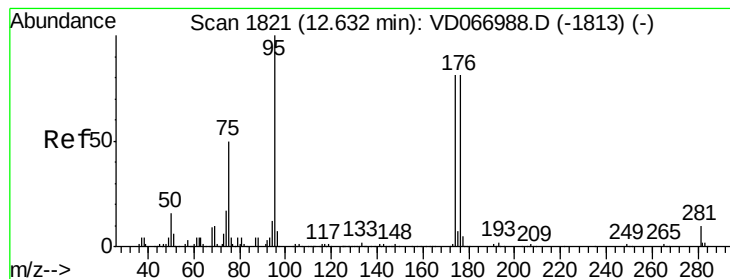
Tot Ion: 43 Resp: 3081
Ion Ratio Lower Upper
43 100
58 194.1 33.8 50.8#



#60
Dibromochloromethane
Concen: 11.259 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.26 min
Lab File: VD067159.D
Acq: 07 Oct 2020 18:19

Tgt Ion: 129 Resp: 49184
Ion Ratio Lower Upper
129 100
127 0.0 37.4 112.1#





#62

4-Bromofluorobenzene

Concen: 48.751 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067159.D

Acq: 07 Oct 2020 18:19

Instrument :

MSVOA_D

ClientSampleId :

SB-6

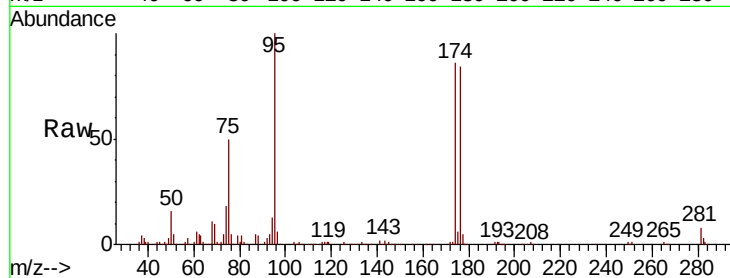
Tot Ion: 95 Resp: 266196

Ion Ratio Lower Upper

95 100

174 85.4 0.0 167.6

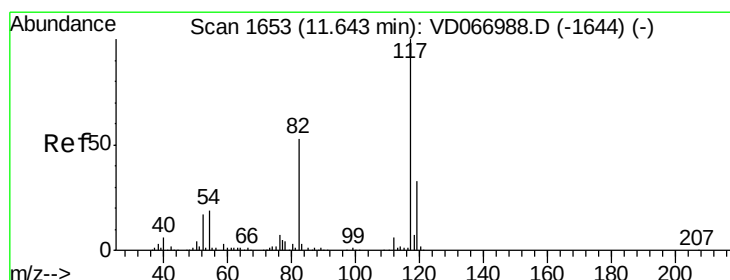
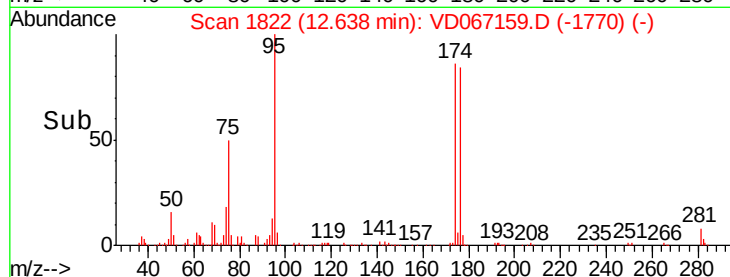
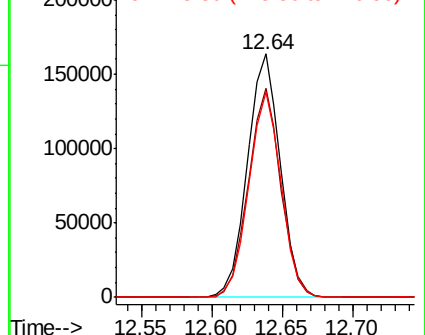
176 83.2 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD067159.D

Acq: 07 Oct 2020 18:19

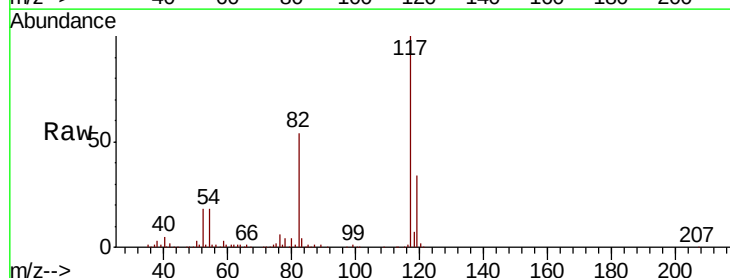
Tgt Ion: 117 Resp: 630986

Ion Ratio Lower Upper

117 100

82 53.6 42.6 63.8

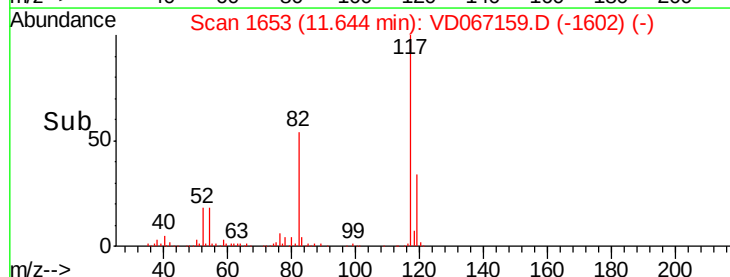
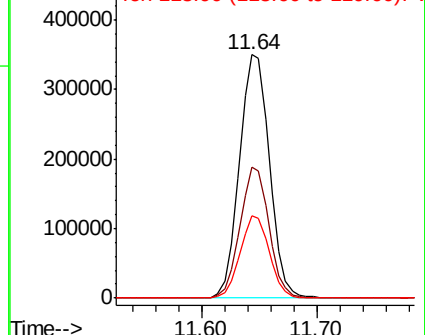
119 33.9 26.3 39.5

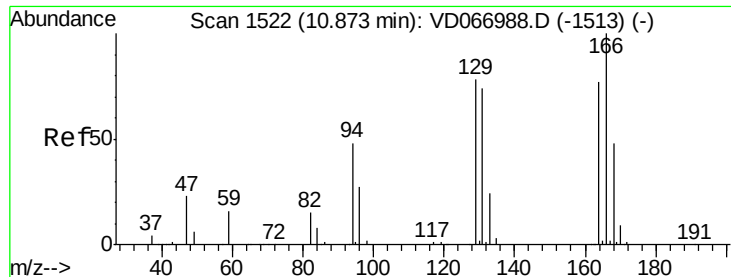


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

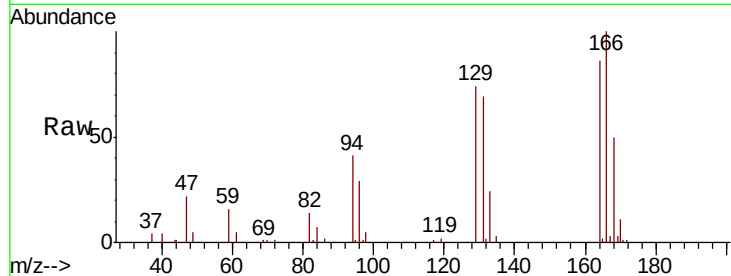




#64
Tetrachloroethene
Concen: 12.217 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD067159.D
Acq: 07 Oct 2020 18:19

Instrument :
MSVOA_D
ClientSampleId :
SB-6

Tot Ion	Ratio	Lower	Upper
164	100		
166	117.0	104.4	156.6
129	87.0	81.3	121.9
131	80.8	77.1	115.7



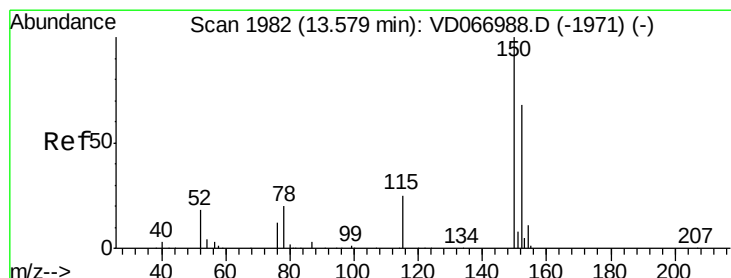
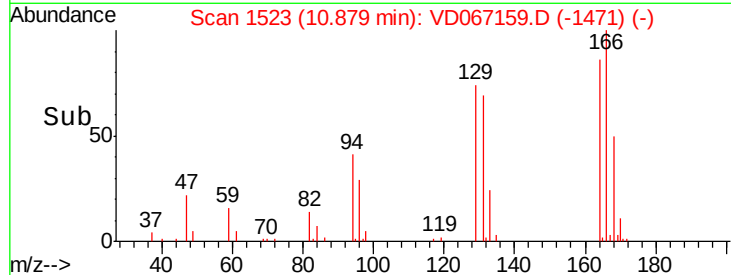
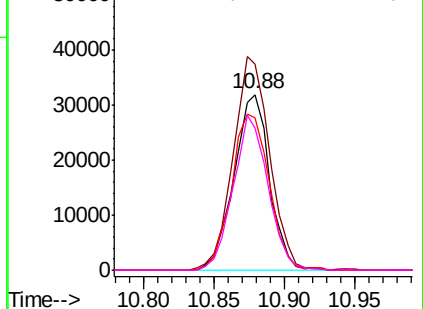
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

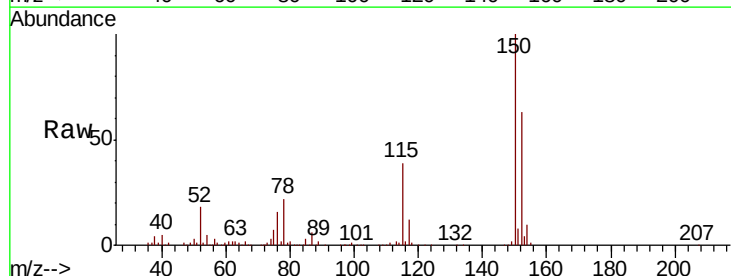
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VD067159.D
Acq: 07 Oct 2020 18:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.6	88.8
150	158.5	0.0	344.8

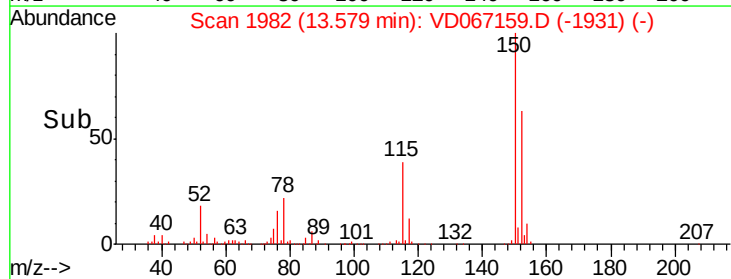
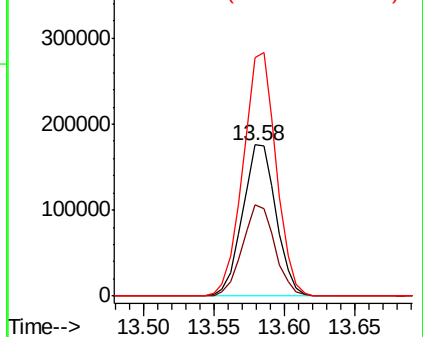


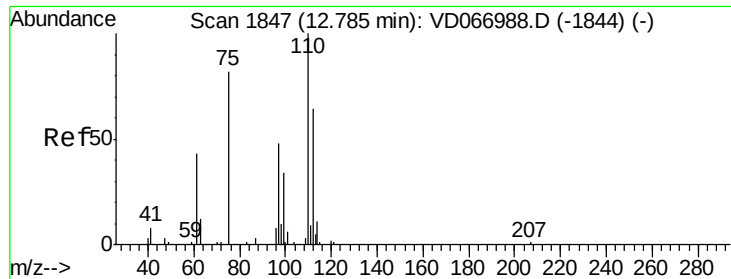
Abundance

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

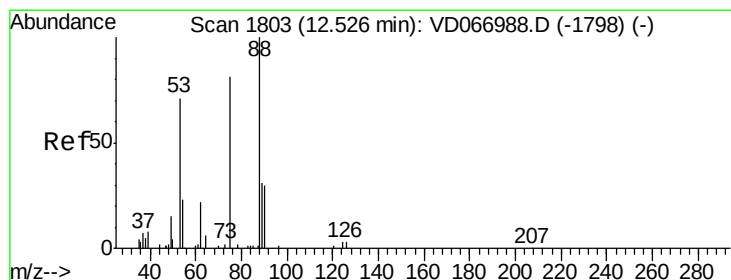
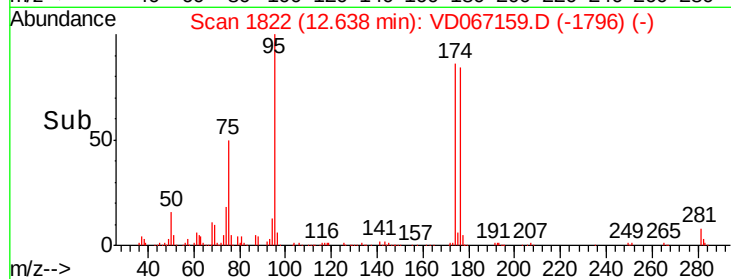
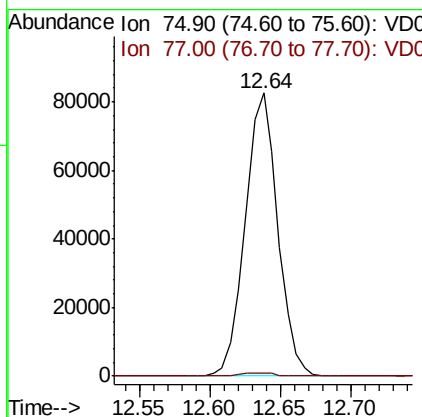
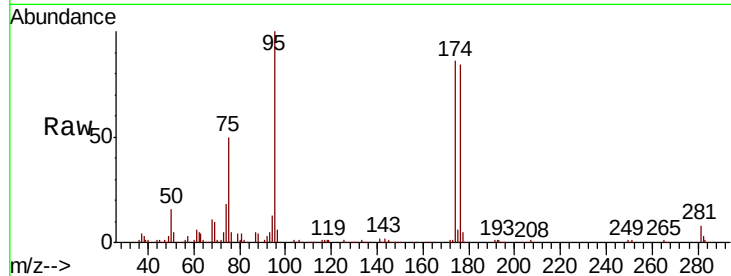




#76
 1,2,3-Trichloropropane
 Concen: 52.384 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067159.D
 Acq: 07 Oct 2020 18:19

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-6

Tot Ion: 75 Resp: 133834
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.600 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067159.D
 Acq: 07 Oct 2020 18:19

Tgt Ion: 75 Resp: 133834
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 38.9 58.3#

