

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067101.D
 Acq On : 06 Oct 2020 12:11
 Operator : VA/SY
 Sample : L4272-06
 Misc : 8.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-2-(6)

Quant Time: Oct 07 01:10:14 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	403210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	692055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	644741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290810	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	197987	50.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.96%	
35) Dibromofluoromethane	7.91	113	220905	48.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.52%	
50) Toluene-d8	10.34	98	802404	48.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.64	95	262595	46.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.70%	

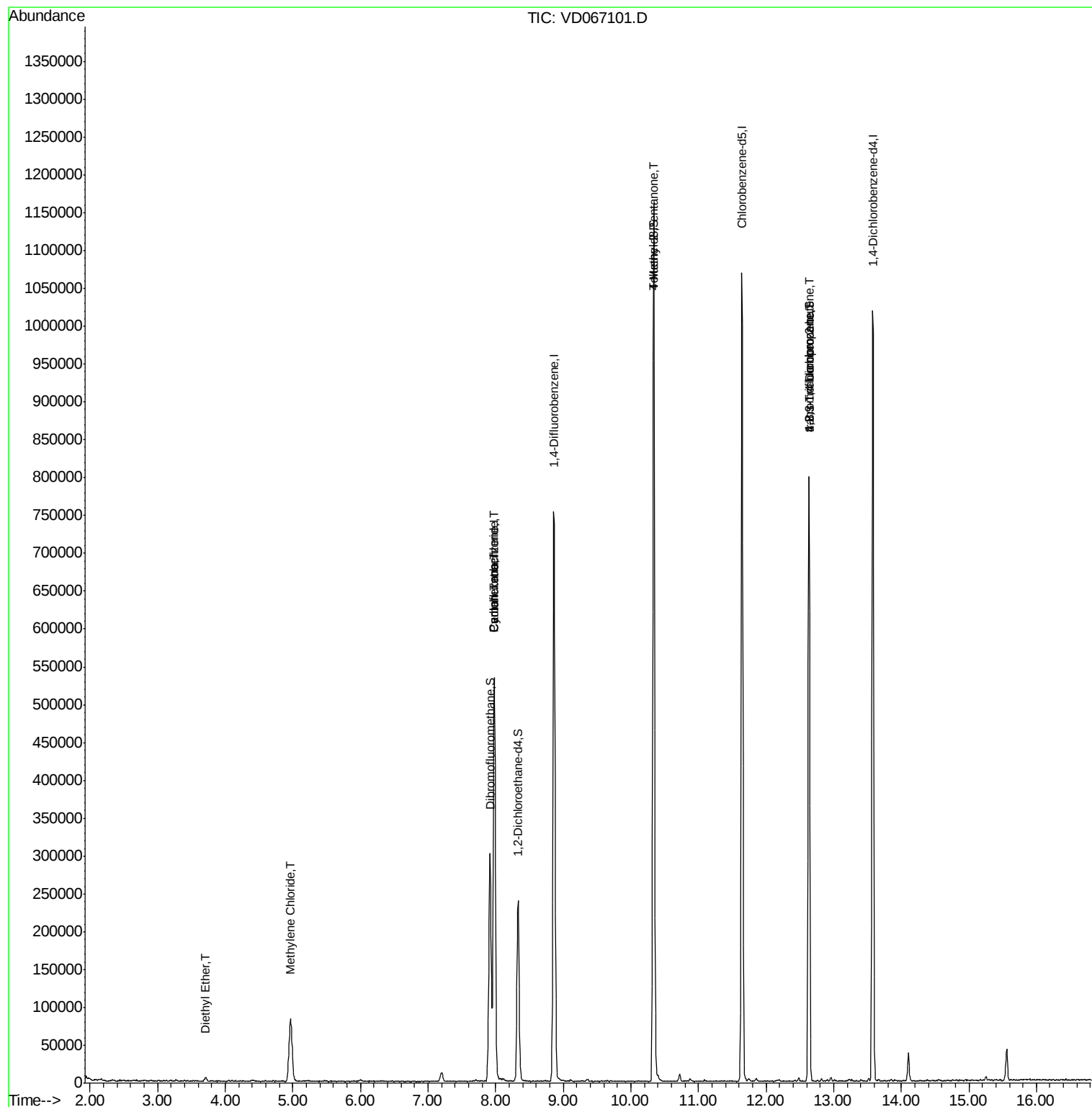
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	948	Below Cal	#	40
5) Bromomethane	2.78	94	606	Below Cal	#	51
8) Diethyl Ether	3.70	74	2680	1.511	ug/l	77
11) Tert butyl alcohol	5.23	59	484	Below Cal	#	72
20) Methylene Chloride	4.97	84	70067	10.977	ug/l	92
26) 2,2-Dichloropropane	7.20	77	1145	Below Cal	#	53
31) Cyclohexane	7.98	56	8108	1.390	ug/l #	1
38) Carbon Tetrachloride	7.98	117	41722	5.978	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	3087	1.505	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	131185	51.789	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	131185	129.117	ug/l #	12

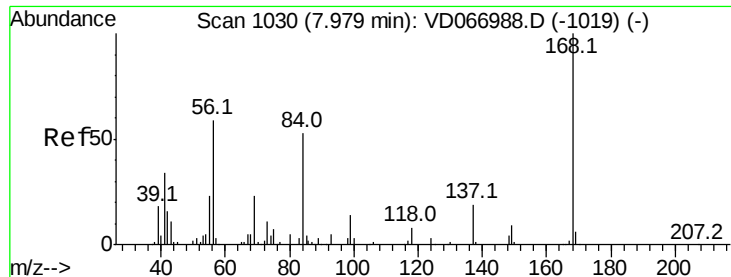
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067101.D

Acq: 06 Oct 2020 12:11

Instrument :

MSVOA_D

ClientSampleId :

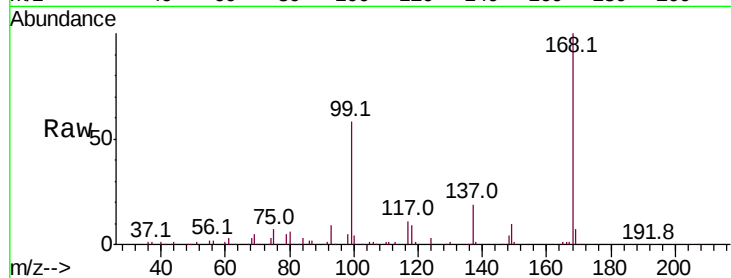
MH-2-(6)

Tot Ion:168 Resp: 403210

Ion Ratio Lower Upper

168 100

99 58.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

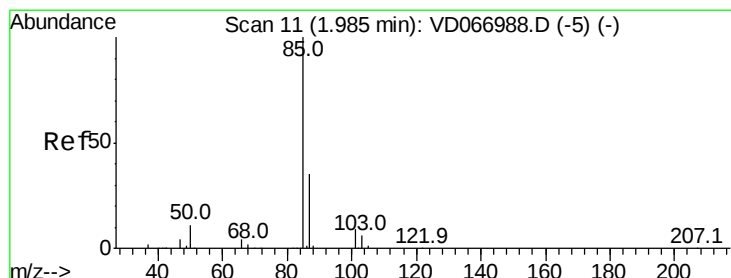
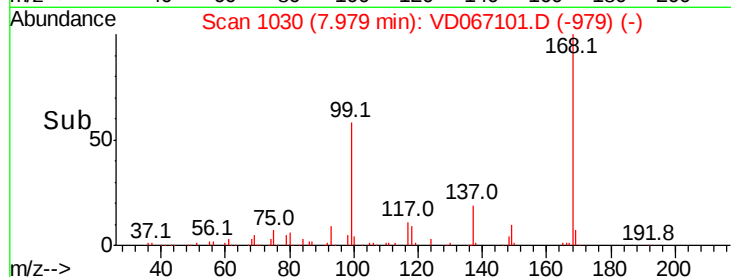
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067101.D

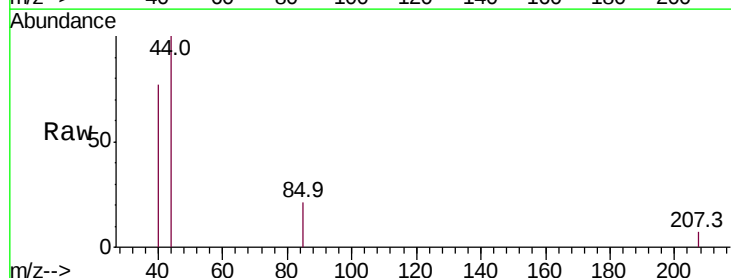
Acq: 06 Oct 2020 12:11

Tgt Ion: 85 Resp: 948

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

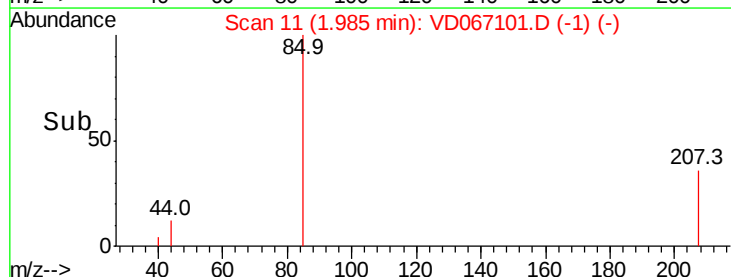
600

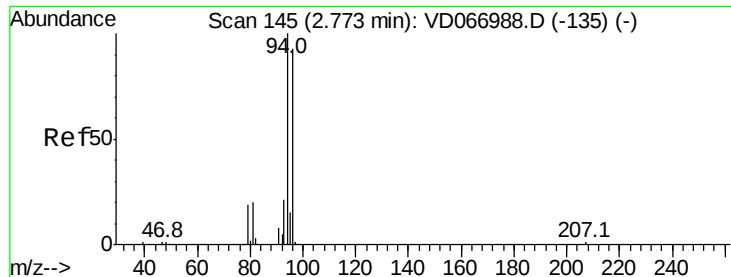
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067101.D

Acq: 06 Oct 2020 12:11

Instrument :

MSVOA_D

ClientSampleID :

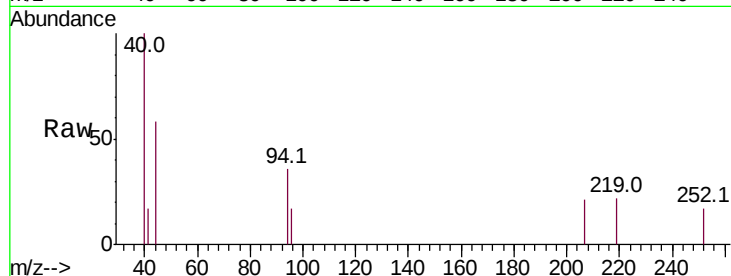
MH-2-(6)

Tot Ion: 94 Resp: 606

Ion Ratio Lower Upper

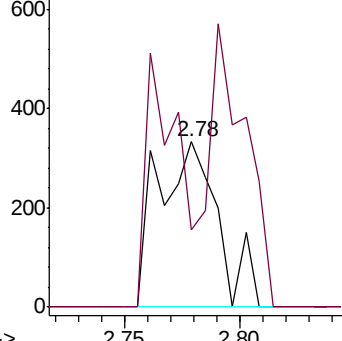
94 100

96 46.5 74.6 112.0#

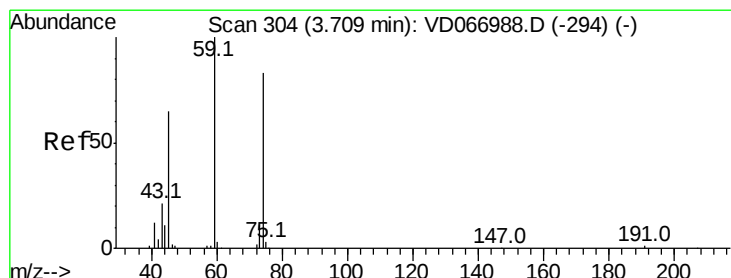
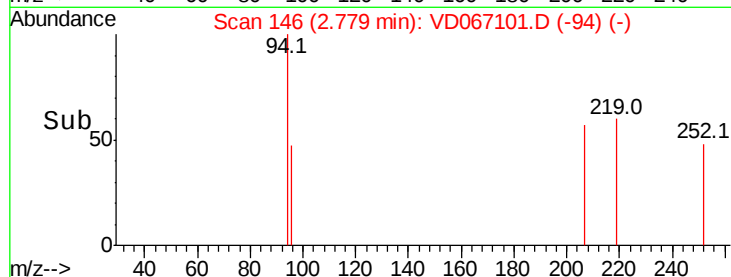


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#8

Diethyl Ether

Concen: 1.511 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD067101.D

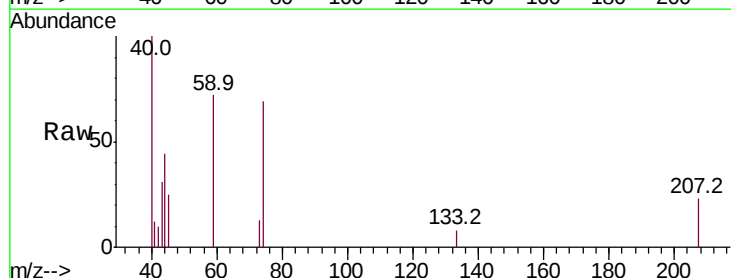
Acq: 06 Oct 2020 12:11

Tgt Ion: 74 Resp: 2680

Ion Ratio Lower Upper

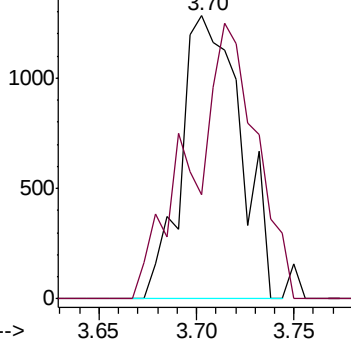
74 100

45 107.8 43.1 129.3

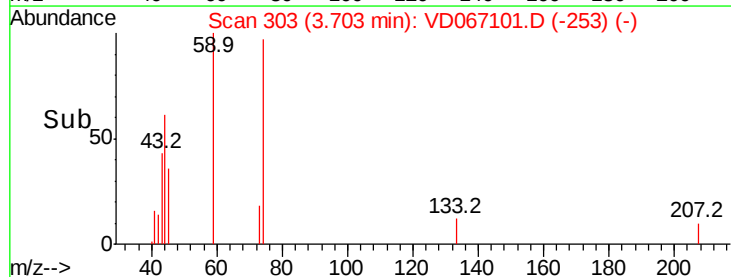


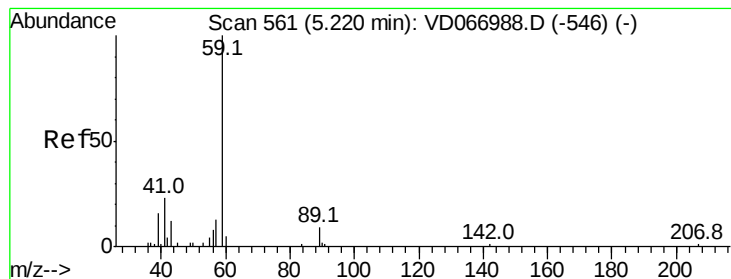
Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



Time-->



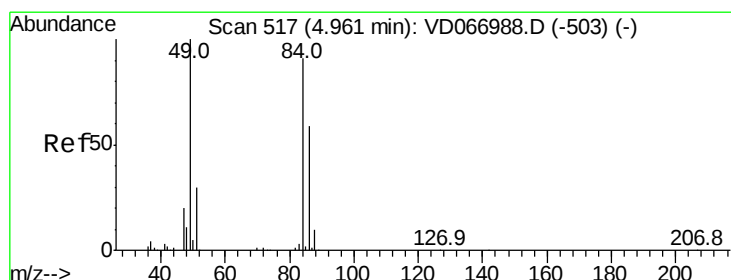
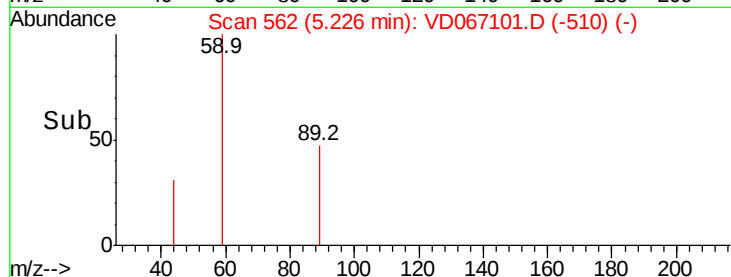
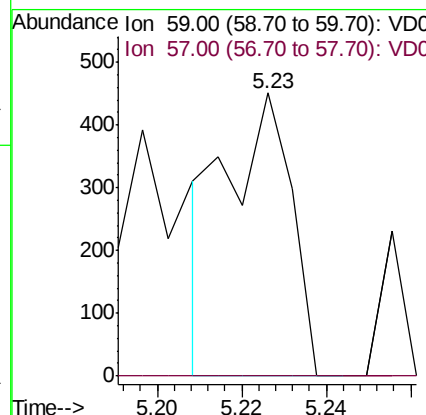
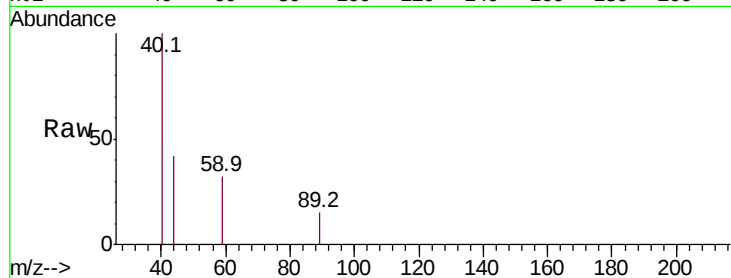


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD067101.D
 Acq: 06 Oct 2020 12:11

Instrument :
 MSVOA_D
 ClientSampled :
 MH-2-(6)

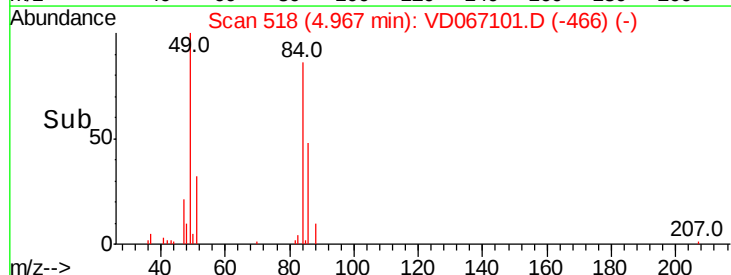
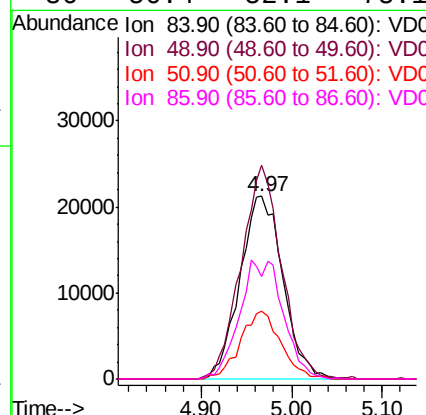
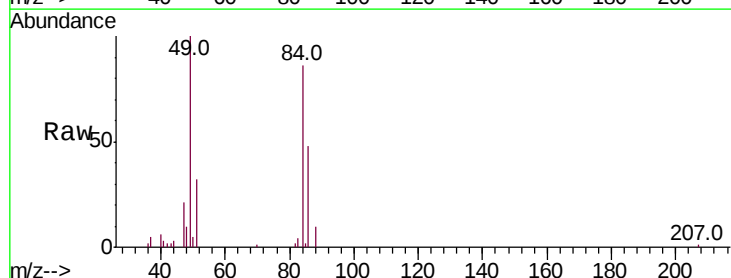
Tot Ion: 59 Resp: 484
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

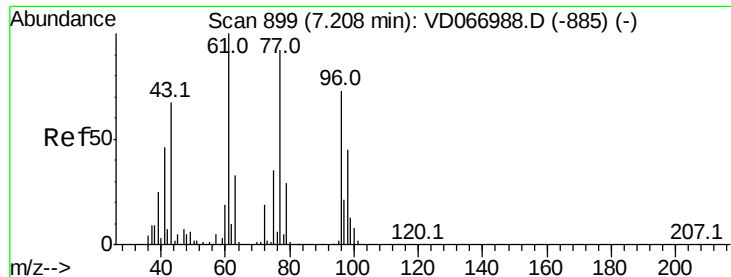


#20

Methylene Chloride
 Concen: 10.977 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067101.D
 Acq: 06 Oct 2020 12:11

Tgt Ion: 84 Resp: 70067
 Ion Ratio Lower Upper
 84 100
 49 116.9 88.2 132.2
 51 37.0 26.6 39.8
 86 56.4 52.1 78.1





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067101.D

Acq: 06 Oct 2020 12:11

Instrument :

MSVOA_D

ClientSampleId :

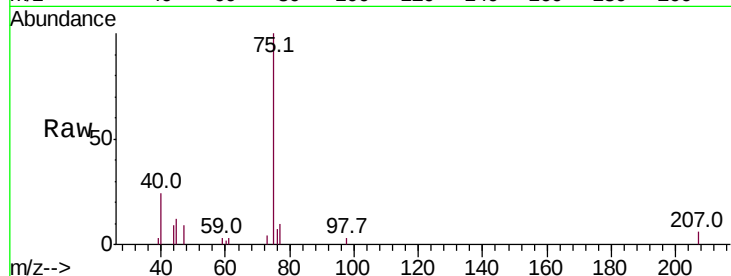
MH-2-(6)

Tot Ion: 77 Resp: 1145

Ion Ratio Lower Upper

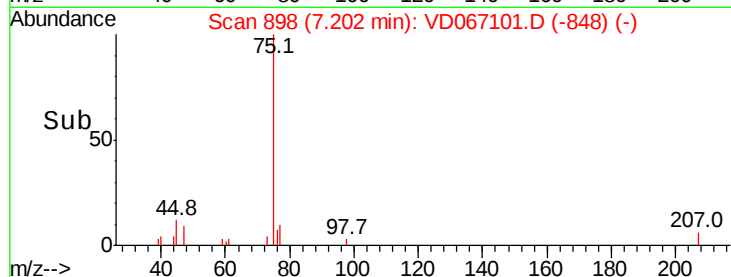
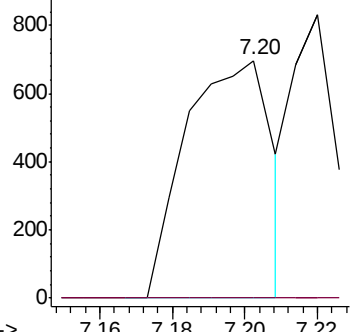
77 100

97 0.0 11.4 34.2#

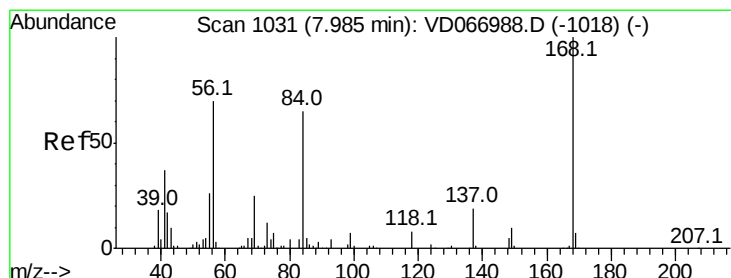


Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->



#31

Cyclohexane

Concen: 1.390 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067101.D

Acq: 06 Oct 2020 12:11

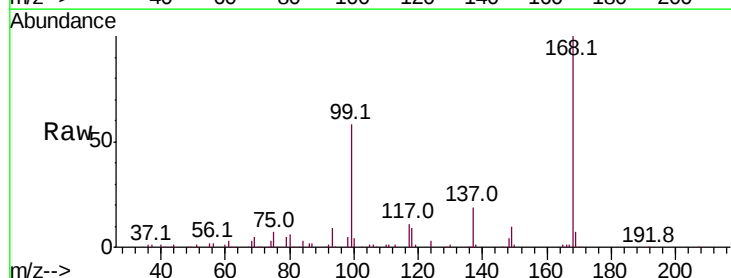
Tgt Ion: 56 Resp: 8108

Ion Ratio Lower Upper

56 100

69 228.9 29.0 43.6#

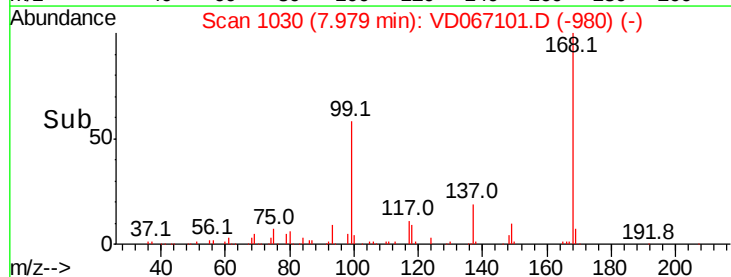
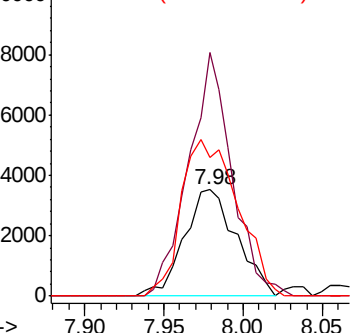
84 130.4 74.2 111.2#



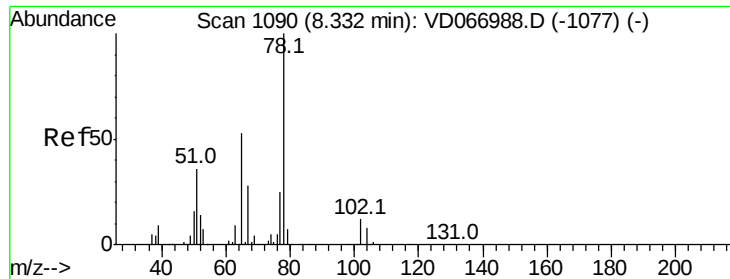
Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



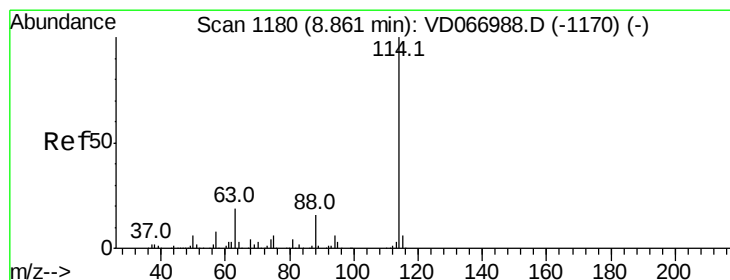
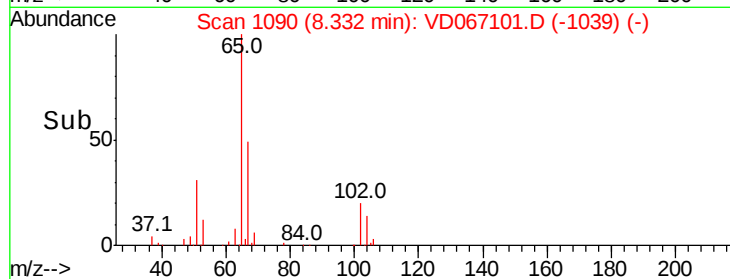
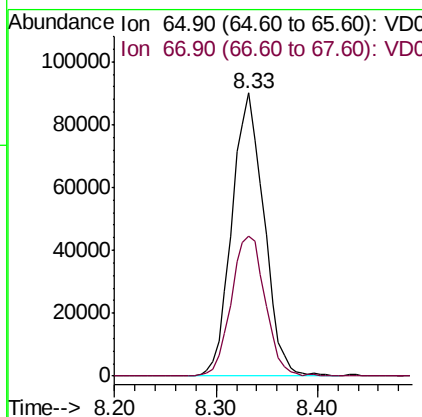
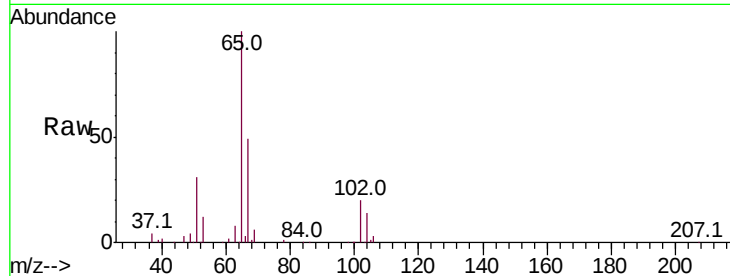
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 50.979 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD067101.D
 Acq: 06 Oct 2020 12:11

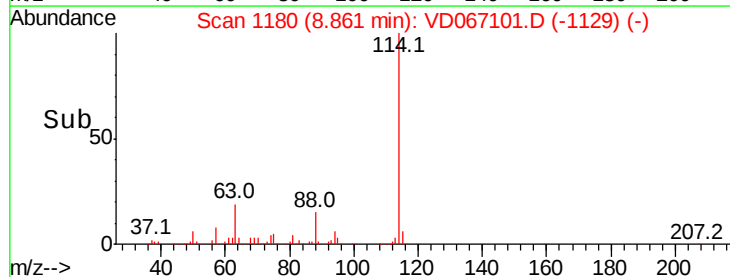
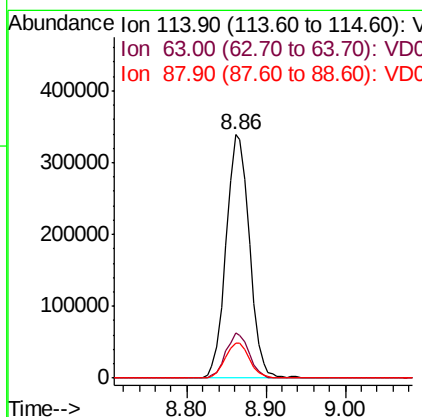
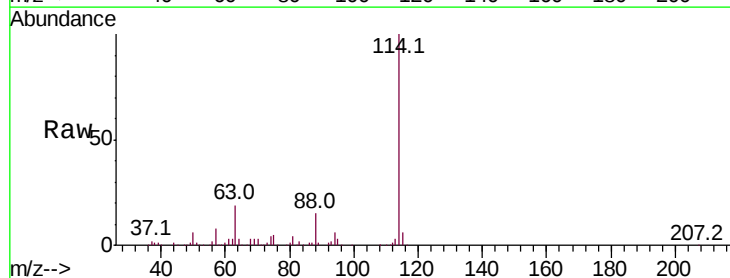
Instrument :
 MSVOA_D
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 MH-2-(6)

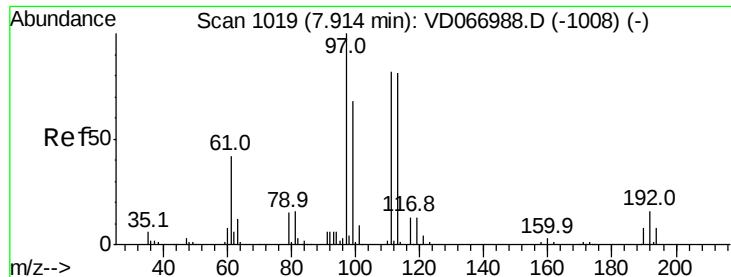
Tot Ion: 65 Resp: 197987
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD067101.D
 Acq: 06 Oct 2020 12:11

Tgt Ion: 114 Resp: 692055
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.4
 88 14.6 0.0 31.2

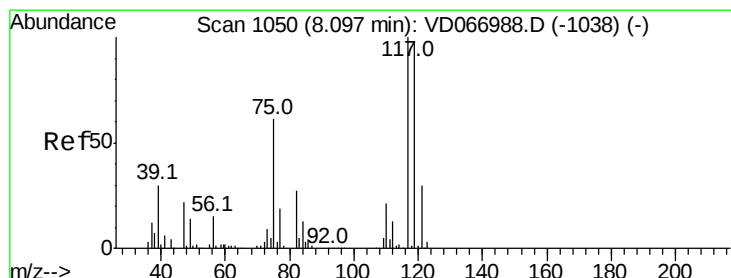
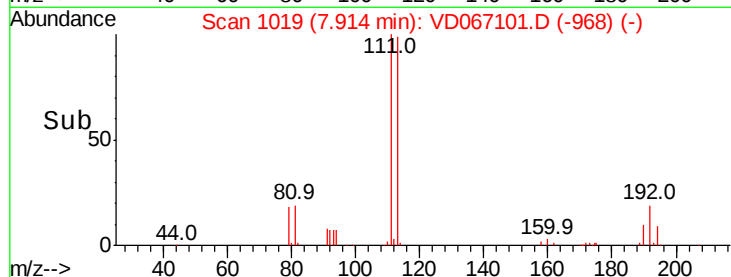
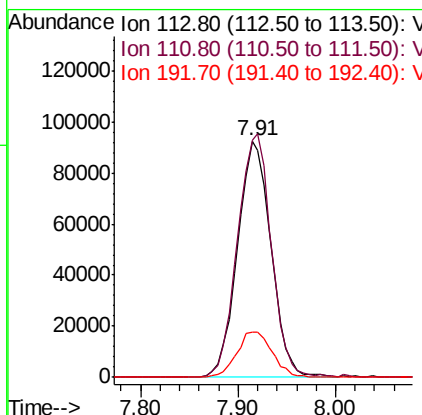
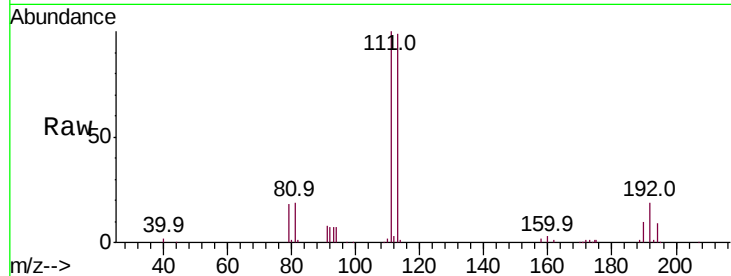




#35
Dibromofluoromethane
Concen: 48.757 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD067101.D
Acq: 06 Oct 2020 12:11

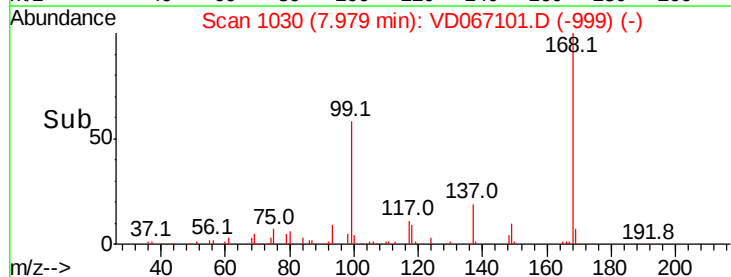
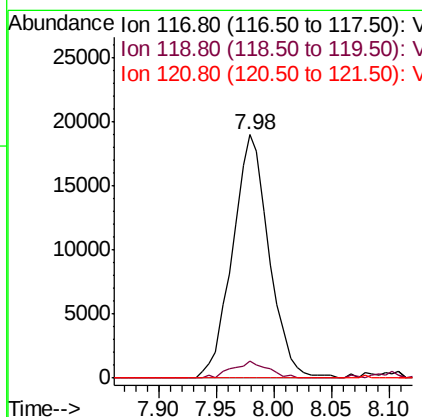
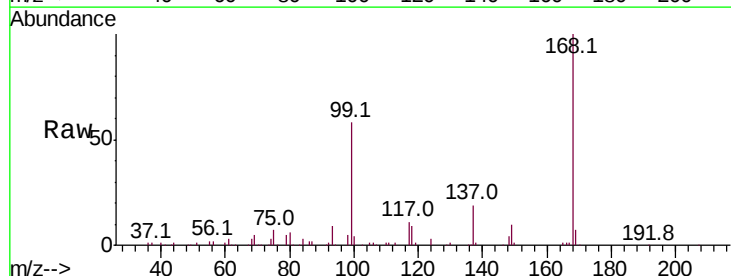
Instrument :
MSVOA_D
ClientSampleId :
MH-2-(6)

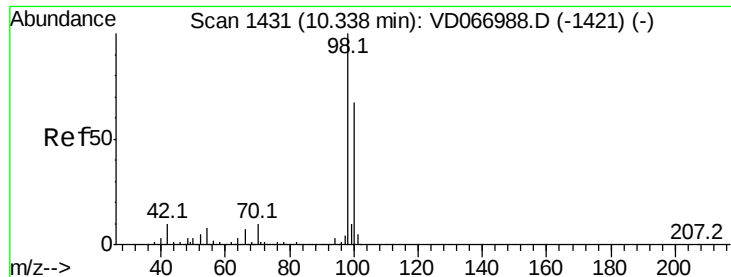
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.0	124.4
192	20.4	15.5	23.3



#38
Carbon Tetrachloride
Concen: 5.978 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067101.D
Acq: 06 Oct 2020 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	78.7	118.1#
121	0.0	24.2	36.2#

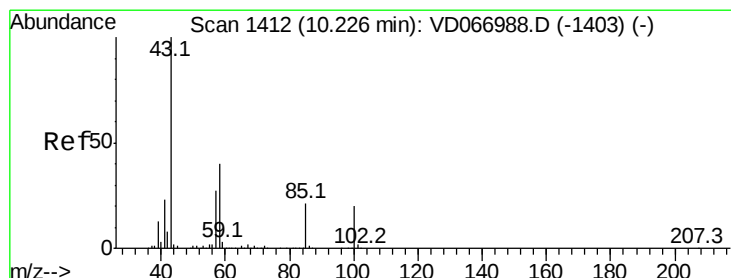
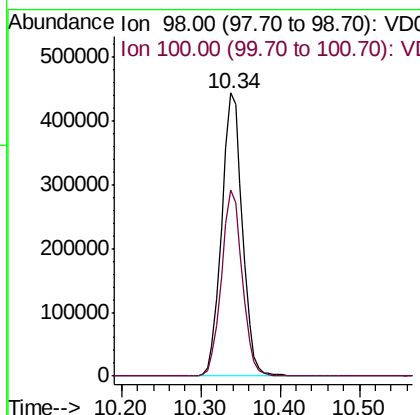
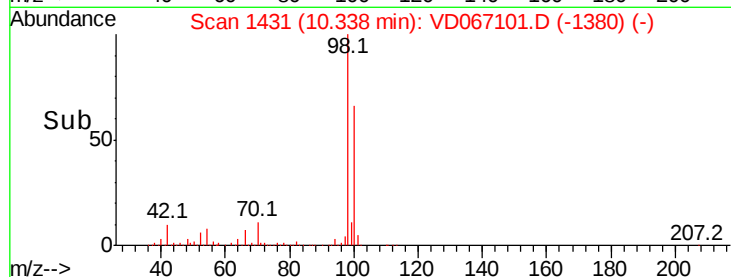
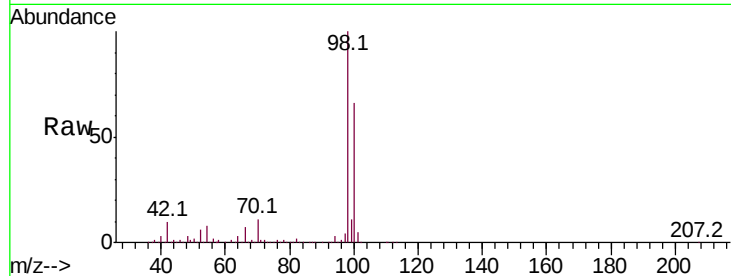




#50
Toluene-d8
Concen: 48.603 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067101.D
Acq: 06 Oct 2020 12:11

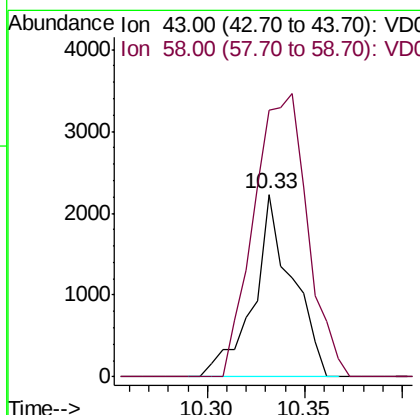
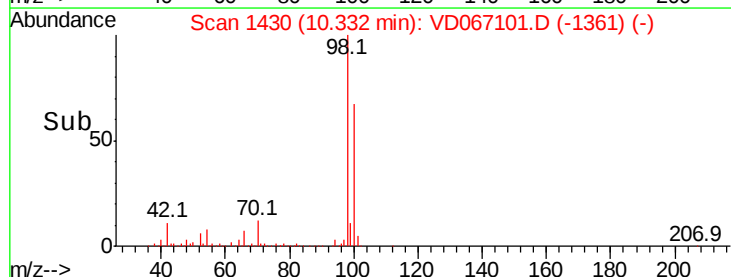
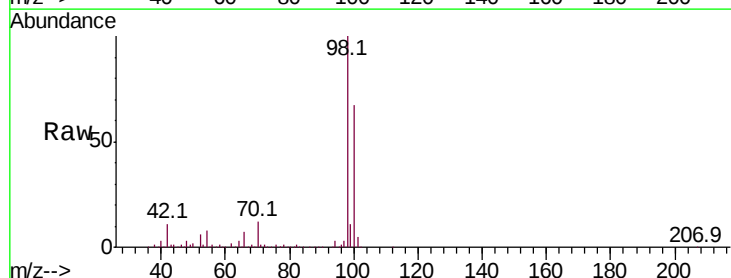
Instrument :
MSVOA_D
ClientSampleId :
MH-2-(6)

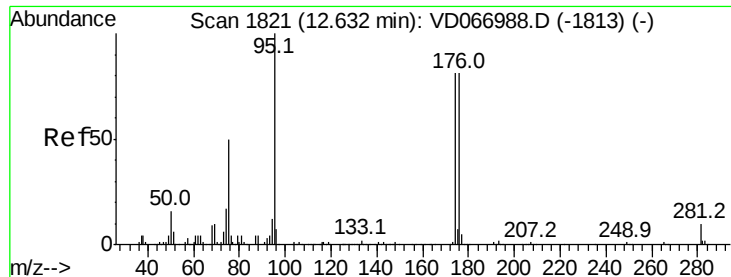
Tot Ion: 98 Resp: 802404
Ion Ratio Lower Upper
98 100
100 65.7 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.505 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.11 min
Lab File: VD067101.D
Acq: 06 Oct 2020 12:11

Tgt Ion: 43 Resp: 3087
Ion Ratio Lower Upper
43 100
58 212.3 33.8 50.8#

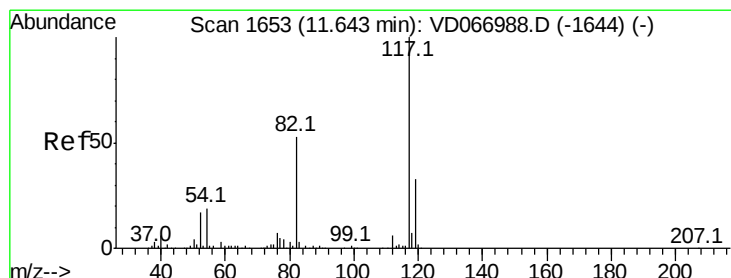
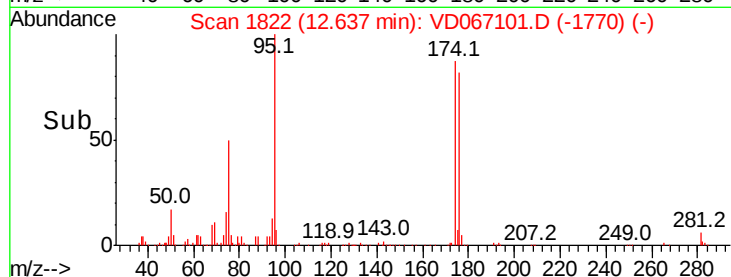
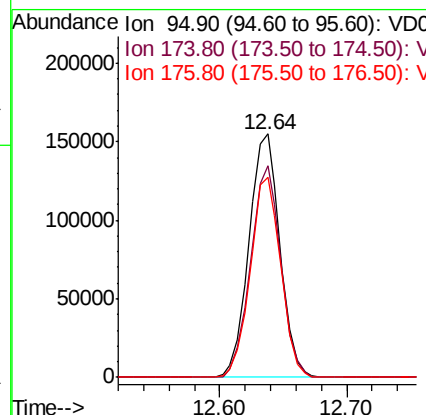
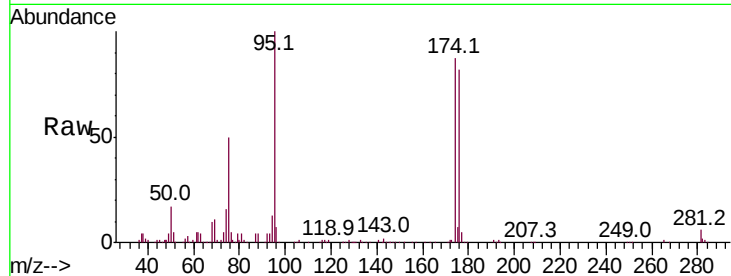




#62
4-Bromofluorobenzene
Concen: 46.854 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067101.D
Acq: 06 Oct 2020 12:11

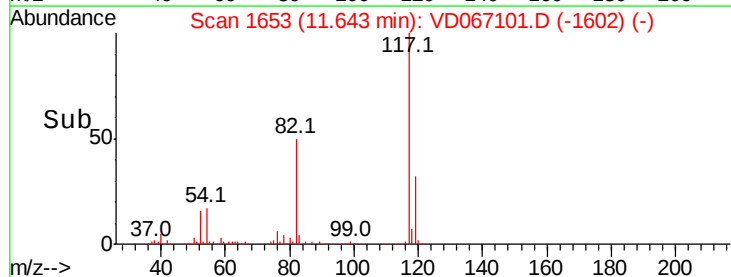
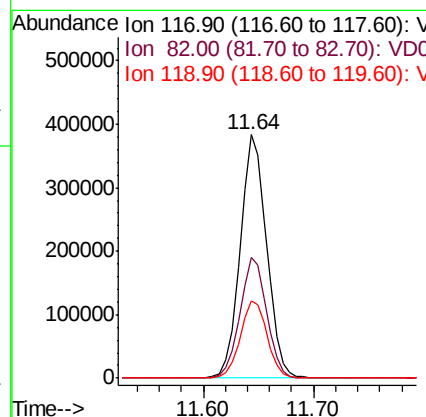
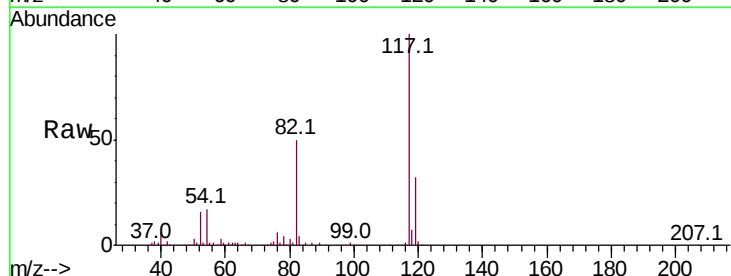
Instrument :
MSVOA_D
ClientSampleId :
MH-2-(6)

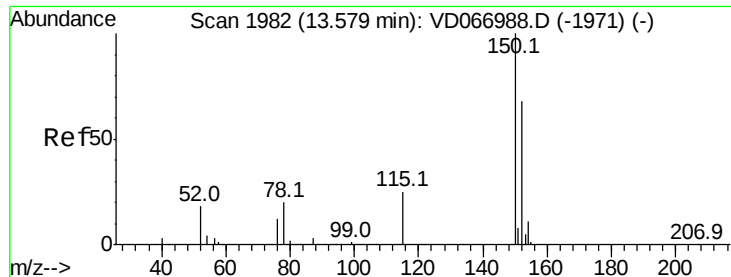
Tot Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	167.6
176	80.9	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067101.D
Acq: 06 Oct 2020 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.6	42.6	63.8
119	31.5	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: VD067101.D

Acq: 06 Oct 2020 12:11

Instrument :

MSVOA_D

ClientSampleId :

MH-2-(6)

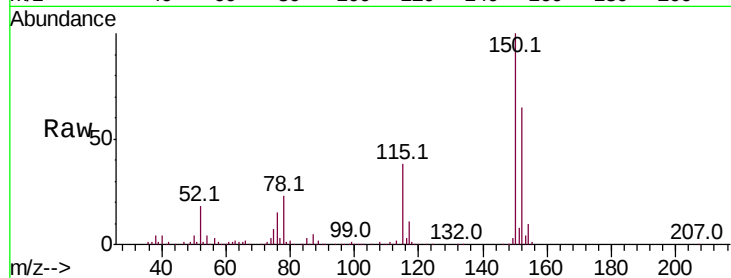
Tot Ion:152 Resp: 290810

Ion Ratio Lower Upper

152 100

115 57.7 29.6 88.8

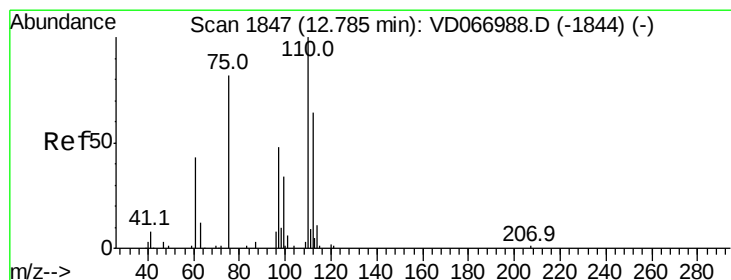
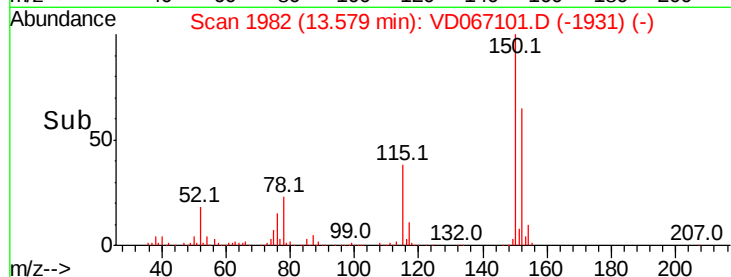
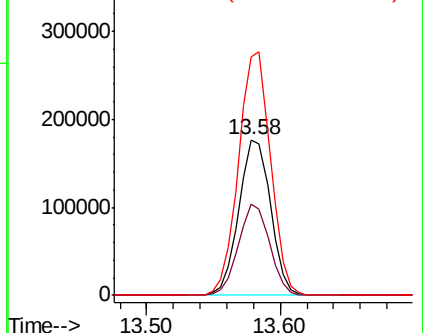
150 157.3 0.0 344.8



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: 51.789 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067101.D

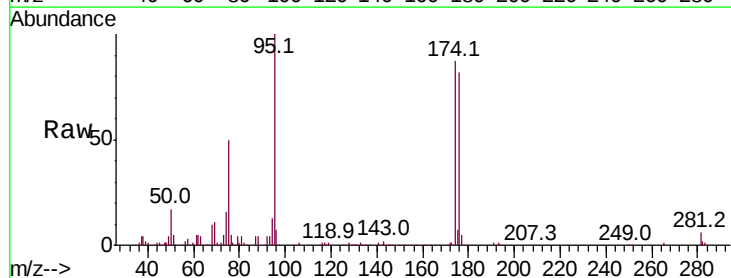
Acq: 06 Oct 2020 12:11

Tgt Ion: 75 Resp: 131185

Ion Ratio Lower Upper

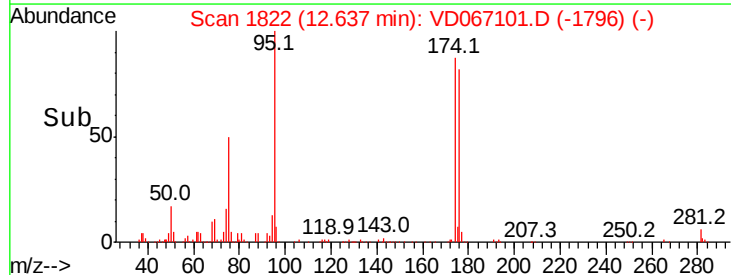
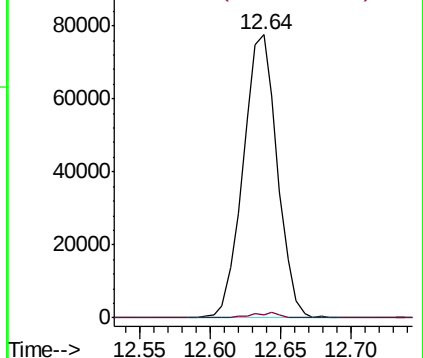
75 100

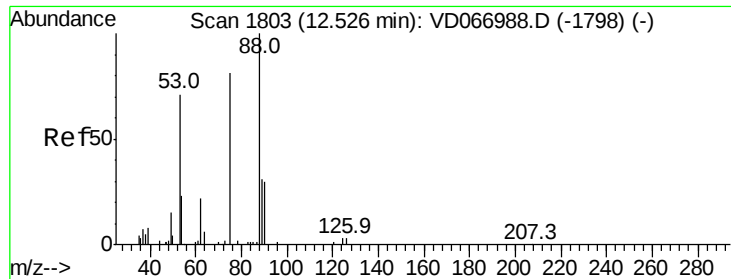
77 1.5 0.0 0.0#



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: 129.117 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067101.D

Acq: 06 Oct 2020 12:11

Instrument :

MSVOA_D

ClientSampleId :

MH-2-(6)

Tot Ion: 75 Resp: 131185

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.0 38.9 58.3#

