

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100820\
 Data File : VD067197.D
 Acq On : 08 Oct 2020 16:26
 Operator : VA/SY
 Sample : L4298-01
 Misc : 7.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-559

Quant Time: Oct 09 03:05:19 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	390525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	634183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	620386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309589	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	185379	49.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.56%	
35) Dibromofluoromethane	7.92	113	197398	47.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.08%	
50) Toluene-d8	10.34	98	761361	50.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.64	95	285077	55.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.02%	

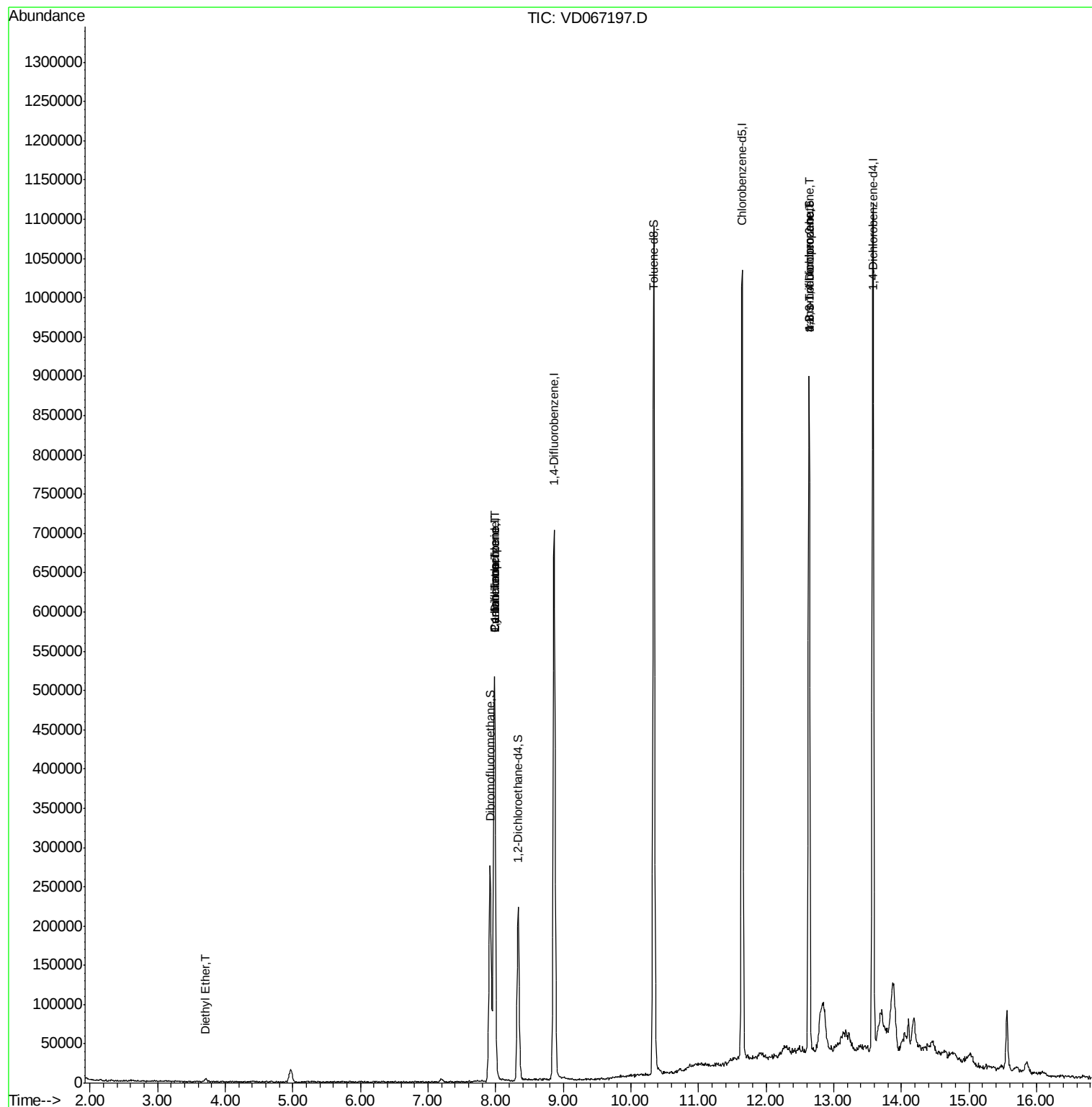
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	167	Below Cal	#	40
5) Bromomethane	2.77	94	115	Below Cal	#	17
8) Diethyl Ether	3.71	74	2521	1.467	ug/l	72
11) Tert butyl alcohol	5.23	59	409	Below Cal	#	72
20) Methylene Chloride	4.98	84	13572	Below Cal	#	85
26) 2,2-Dichloropropane	7.19	77	224	Below Cal	#	53
31) Cyclohexane	7.98	56	8184	1.449	ug/l	25
36) 1,1-Dichloropropene	7.98	75	26546	4.491	ug/l	54
38) Carbon Tetrachloride	7.98	117	40093	6.269	ug/l	14
76) 1,2,3-Trichloropropane	12.64	75	144494	53.583	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.64	75	144494	133.590	ug/l	12

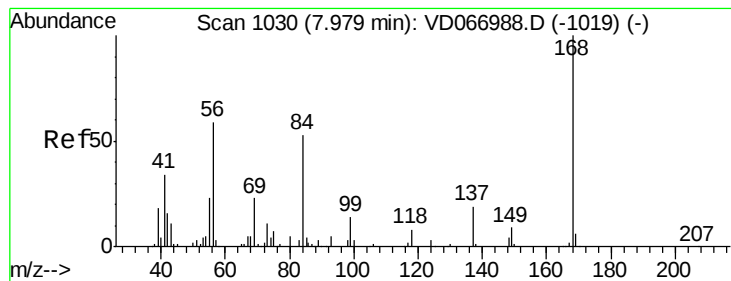
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100820\
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ClientSampleId :
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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# 1031

Delta R.T. 0.01 min

Lab File: VD067197.D

Acq: 08 Oct 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

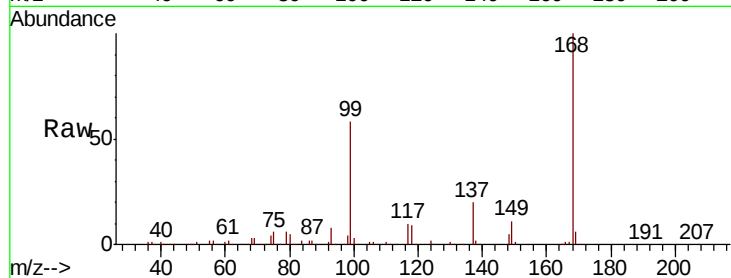
RBR-559

Tot Ion:168 Resp: 390525

Ion Ratio Lower Upper

168 100

99 57.8 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

100000

50000

0

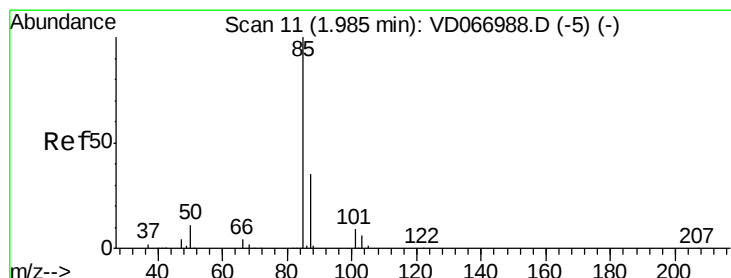
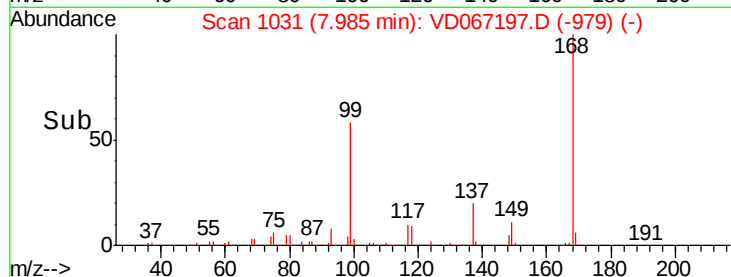
7.98

7.95

8.00

8.05

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067197.D

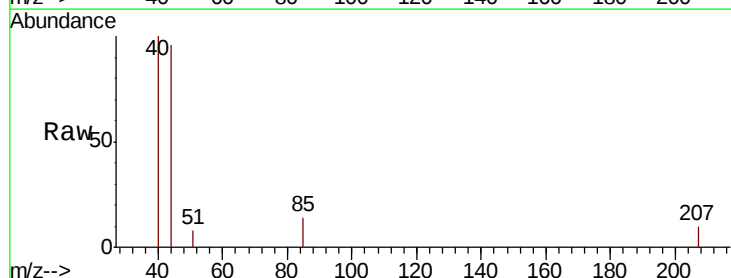
Acq: 08 Oct 2020 16:26

Tgt Ion: 85 Resp: 167

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

300

200

100

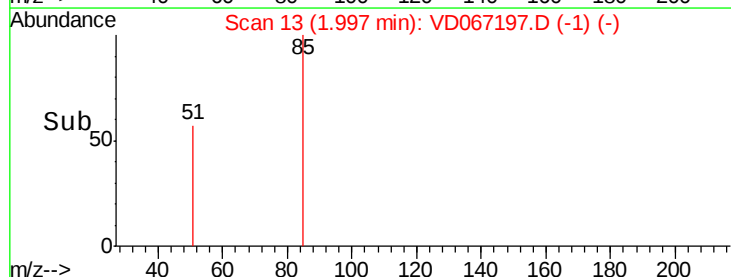
0

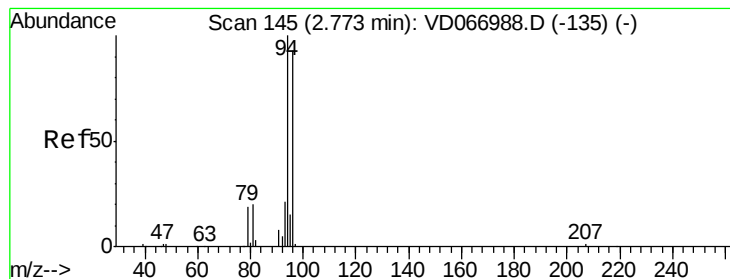
2.00

1.98

2.02

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067197.D

Acq: 08 Oct 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

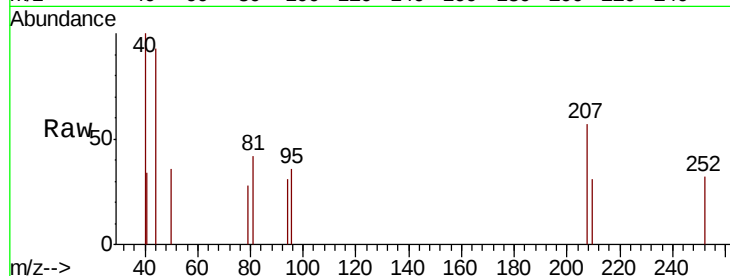
RBR-559

Tot Ion: 94 Resp: 115

Ion Ratio Lower Upper

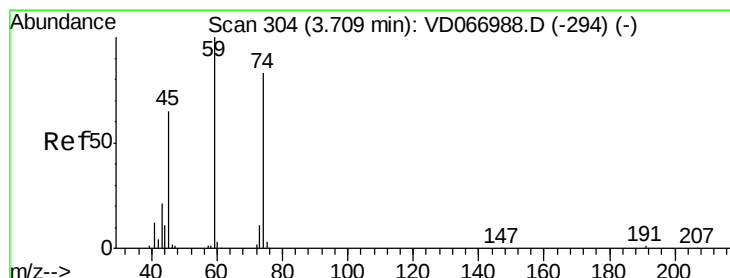
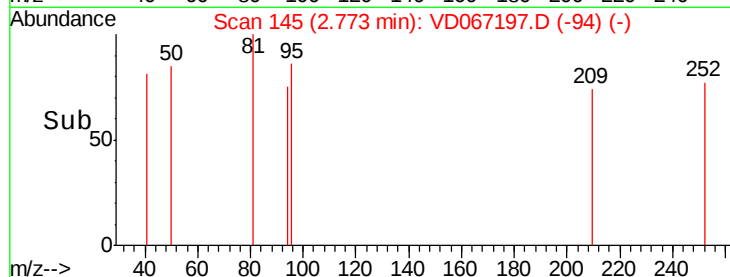
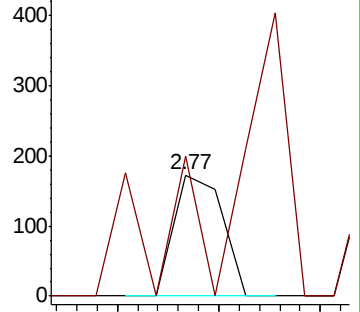
94 100

96 13.9 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#8

Diethyl Ether

Concen: 1.467 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD067197.D

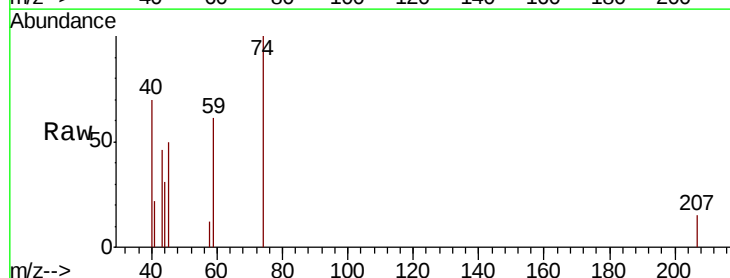
Acq: 08 Oct 2020 16:26

Tgt Ion: 74 Resp: 2521

Ion Ratio Lower Upper

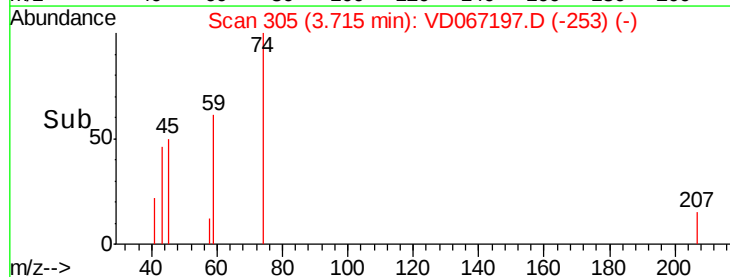
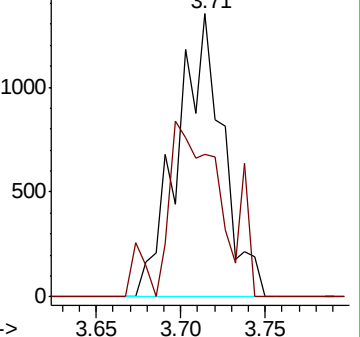
74 100

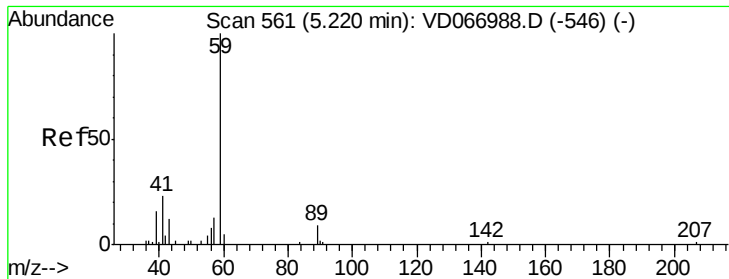
45 60.7 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

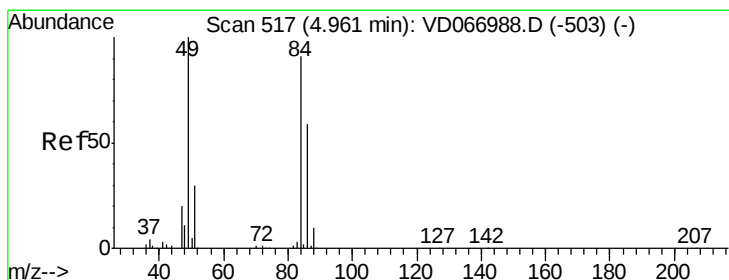
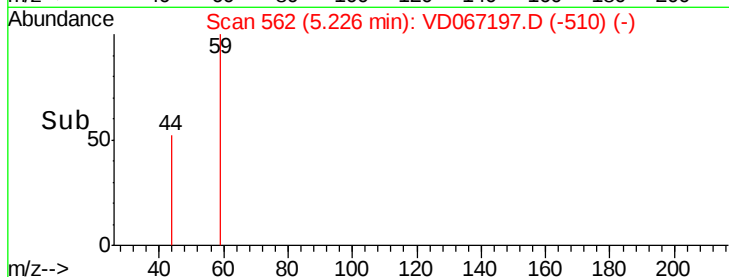
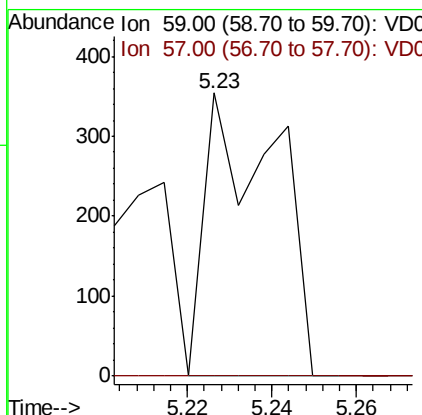
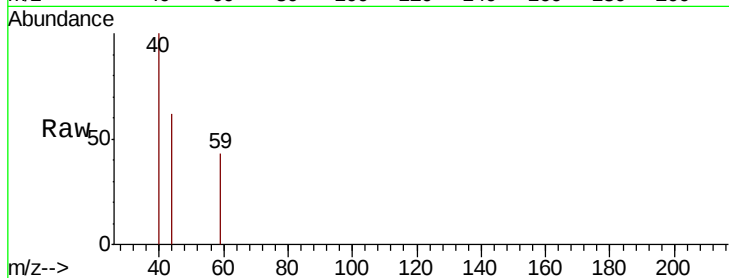




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD067197.D
Acq: 08 Oct 2020 16:26

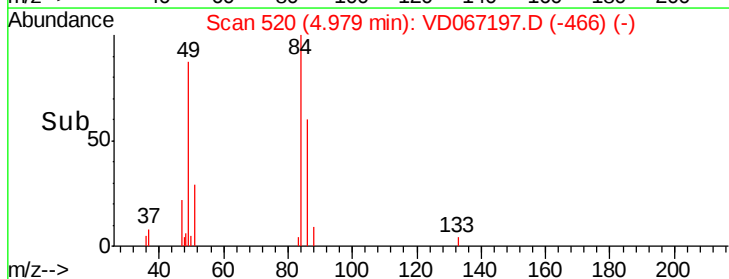
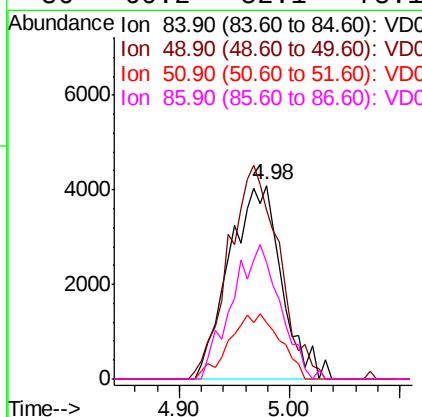
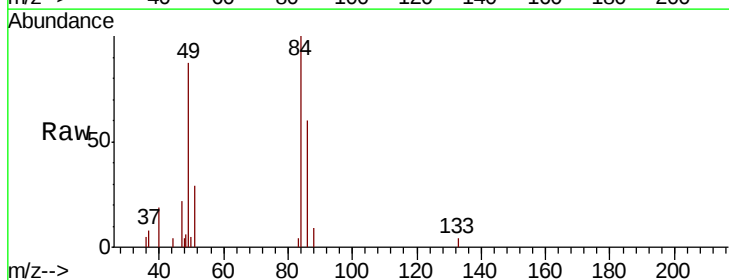
Instrument :
MSVOA_D
ClientSampleId :
RBR-559

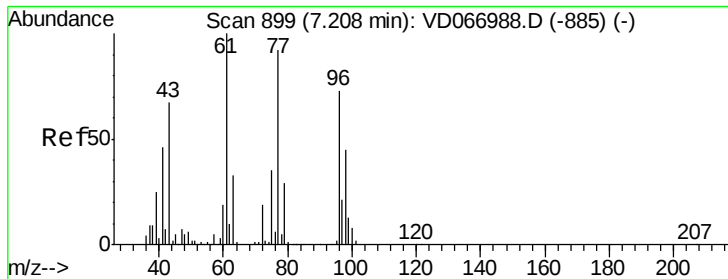
Tot Ion: 59 Resp: 409
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD067197.D
Acq: 08 Oct 2020 16:26

Tgt Ion: 84 Resp: 13572
Ion Ratio Lower Upper
84 100
49 87.1 88.2 132.2#
51 28.9 26.6 39.8
86 60.2 52.1 78.1

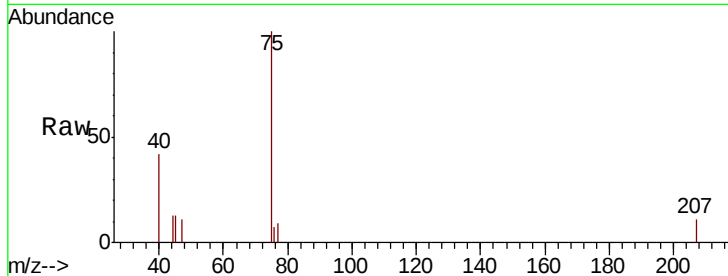




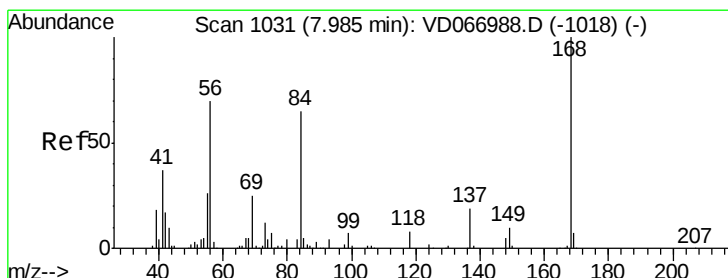
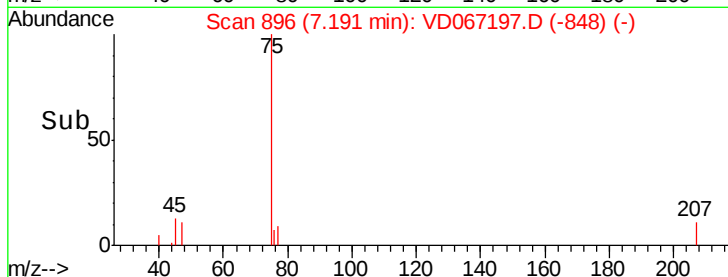
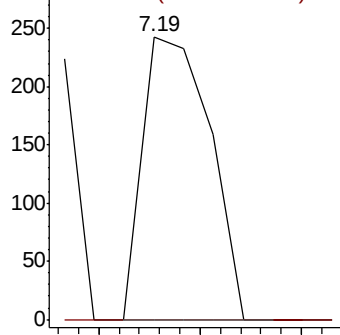
#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.19 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: VD067197.D
 Acq: 08 Oct 2020 16:26

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-559

Tot Ion: 77 Resp: 224
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.2#

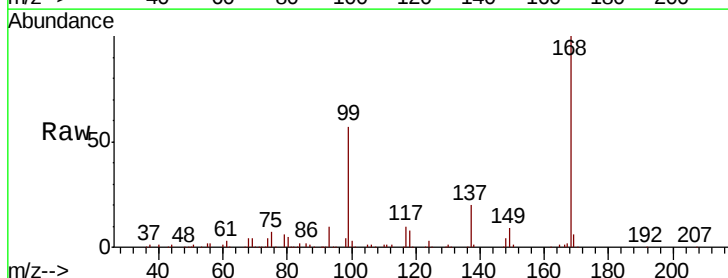


Abundance Ion 76.90 (76.60 to 77.60): VDC
 Ion 96.90 (96.60 to 97.60): VDC

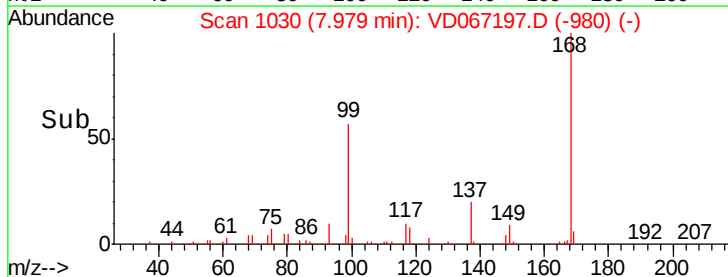
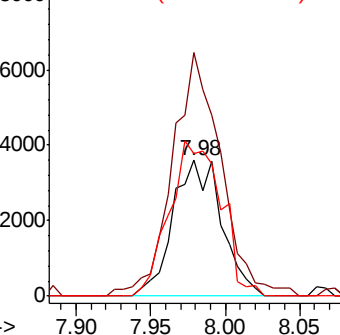


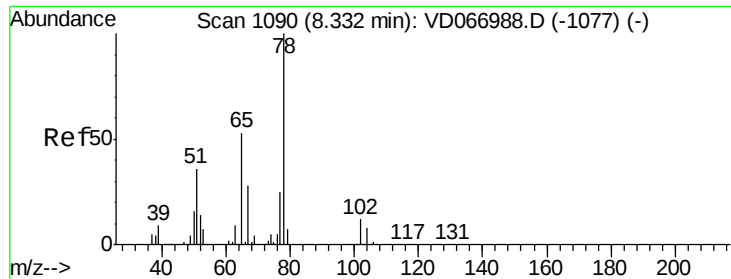
#31
 Cyclohexane
 Concen: 1.449 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VD067197.D
 Acq: 08 Oct 2020 16:26

Tgt Ion: 56 Resp: 8184
 Ion Ratio Lower Upper
 56 100
 69 174.8 29.0 43.6#
 84 105.3 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

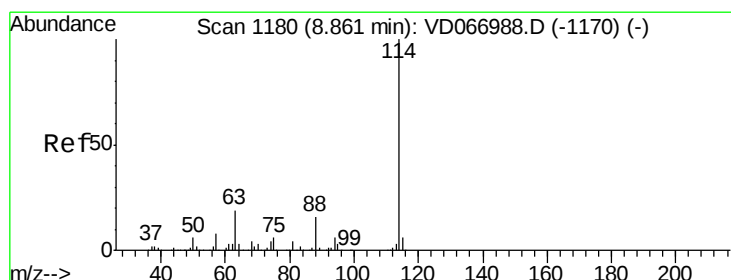
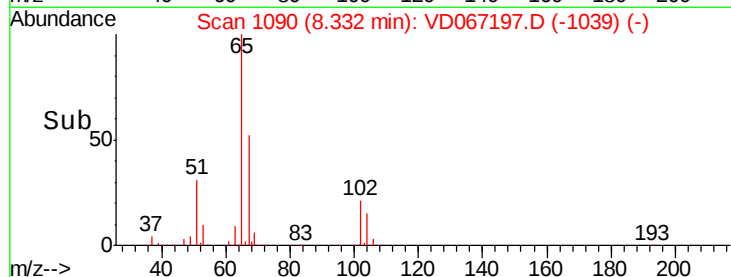
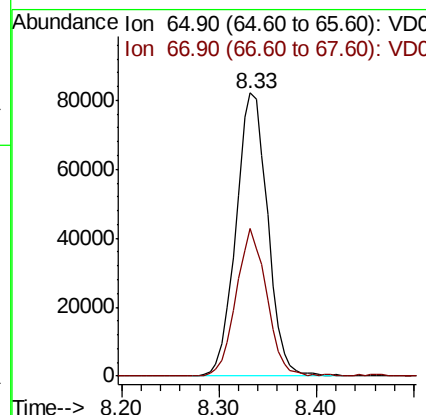
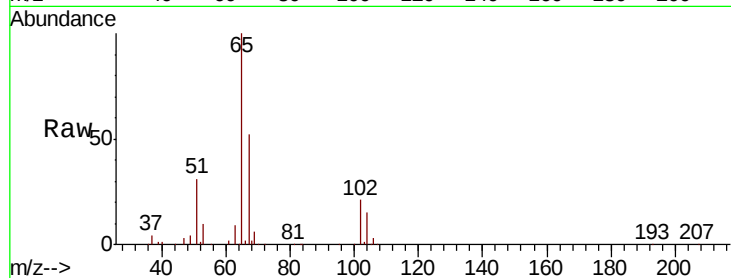




#33
 1,2-Dichloroethane-d4
 Concen: 49.283 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067197.D
 Acq: 08 Oct 2020 16:26

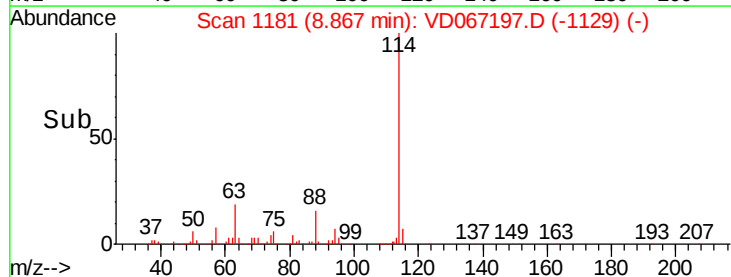
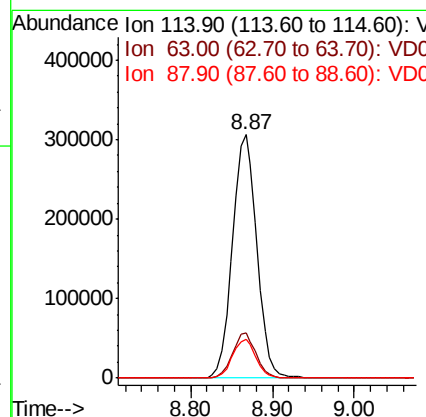
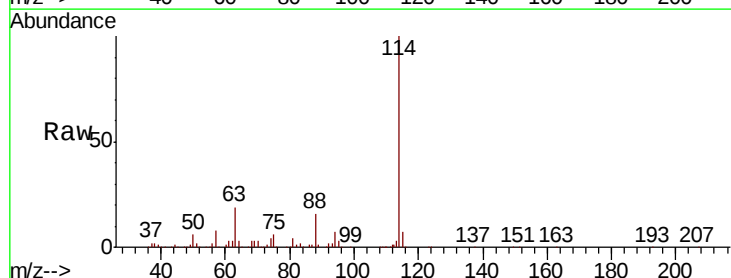
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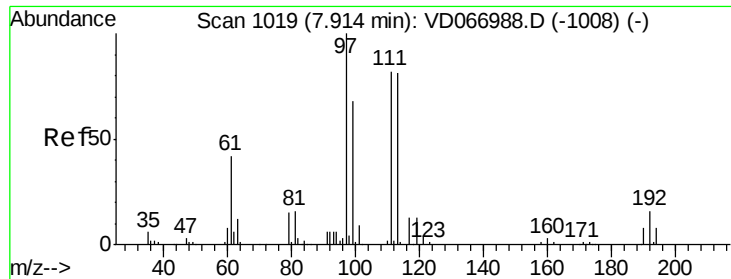
Tot Ion: 65 Resp: 185379
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067197.D
 Acq: 08 Oct 2020 16:26

Tgt Ion:114 Resp: 634183
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.4
 88 15.8 0.0 31.2

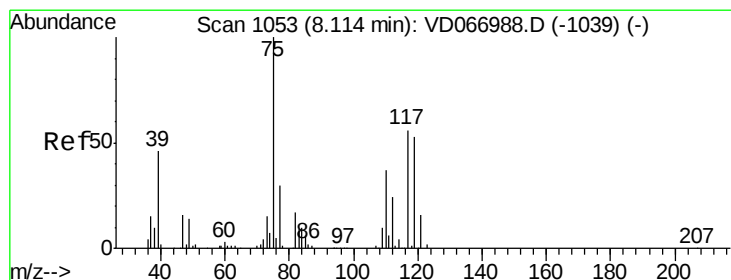
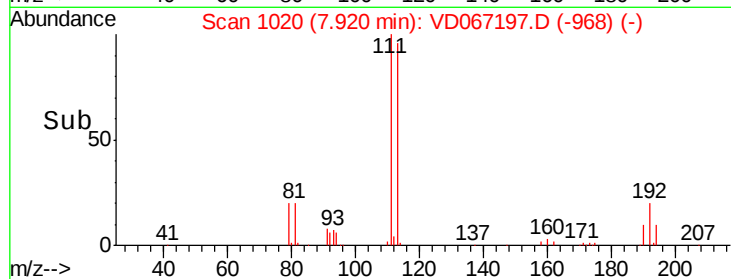
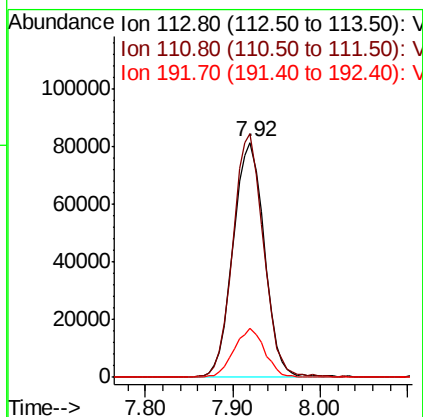
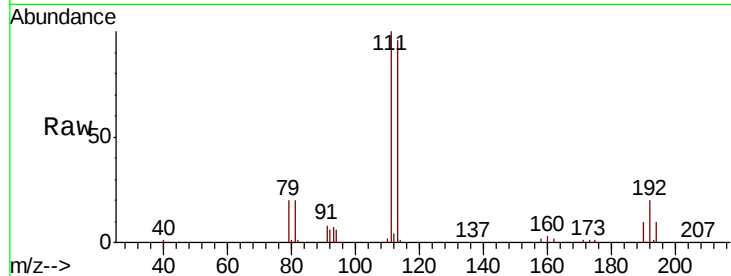




#35
 Dibromofluoromethane
 Concen: 47.544 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067197.D
 Acq: 08 Oct 2020 16:26

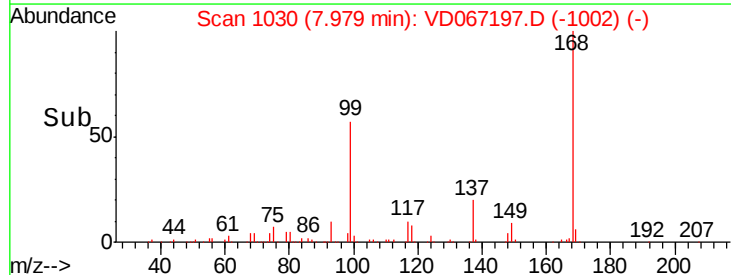
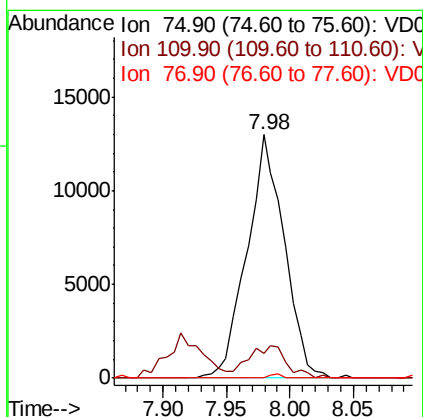
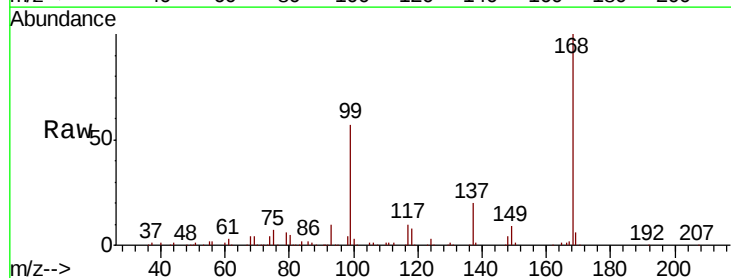
Instrument :
 MSVOA_D
 ClientSampled :
 RBR-559

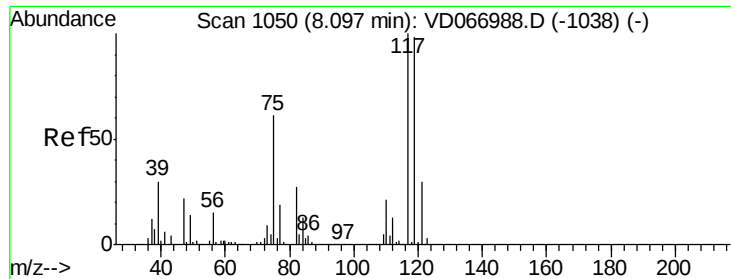
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	83.0	124.4
192	20.4	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.491 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067197.D
 Acq: 08 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	14.1	18.4	55.0#
77	0.5	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.269 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067197.D

Acq: 08 Oct 2020 16:26

Instrument :

MSVOA_D

ClientSampled :

RBR-559

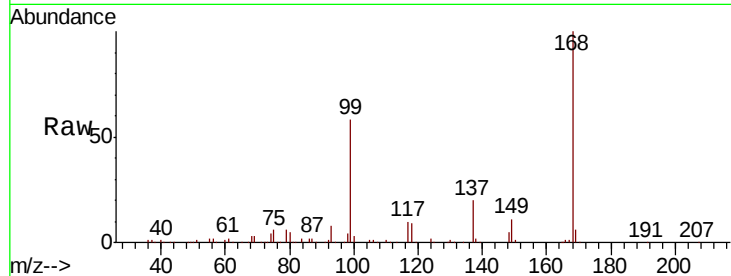
Tot Ion:117 Resp: 40093

Ion Ratio Lower Upper

117 100

119 4.4 78.7 118.1#

121 0.0 24.2 36.2#

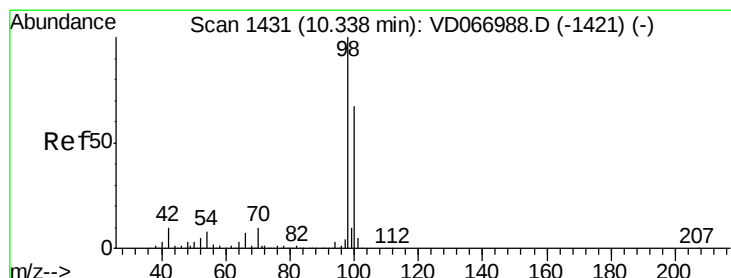
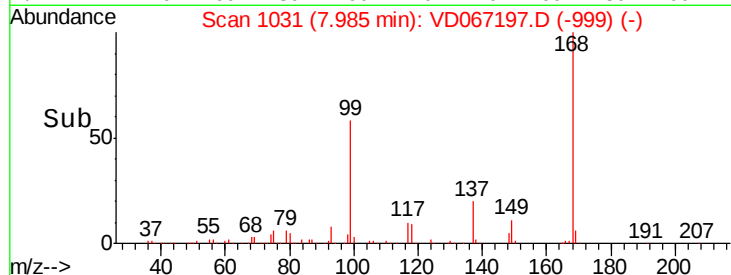
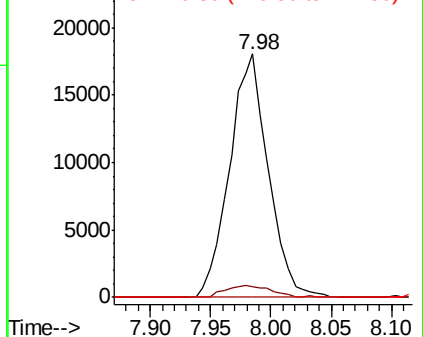


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.325 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067197.D

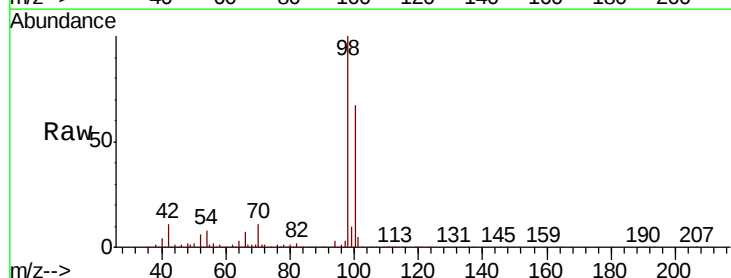
Acq: 08 Oct 2020 16:26

Tgt Ion: 98 Resp: 761361

Ion Ratio Lower Upper

98 100

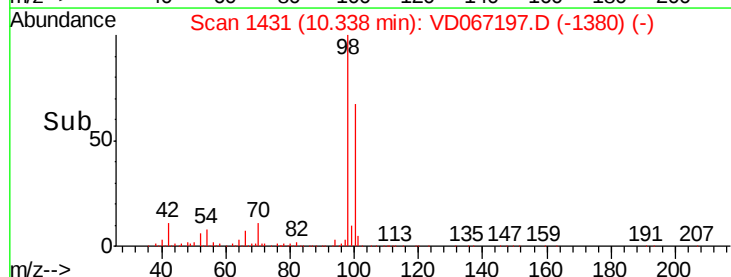
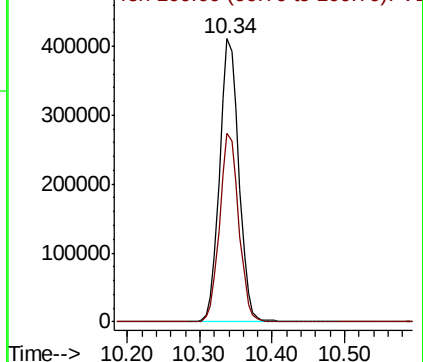
100 65.9 52.8 79.2

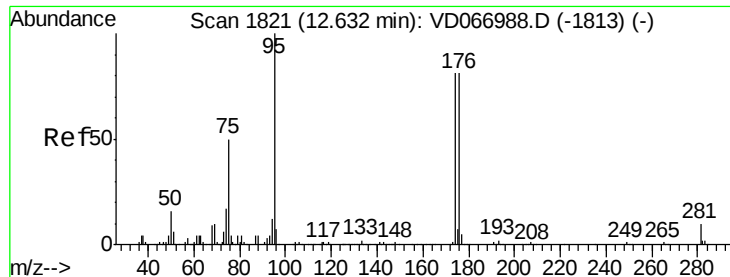


Abundance

Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

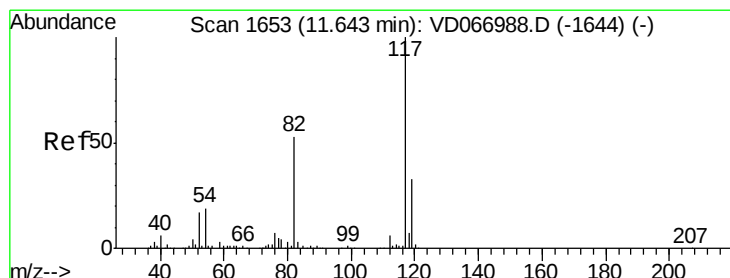
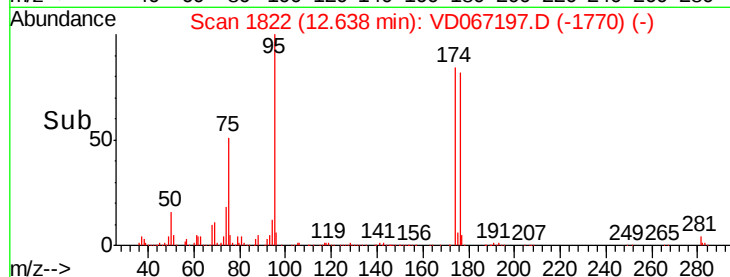
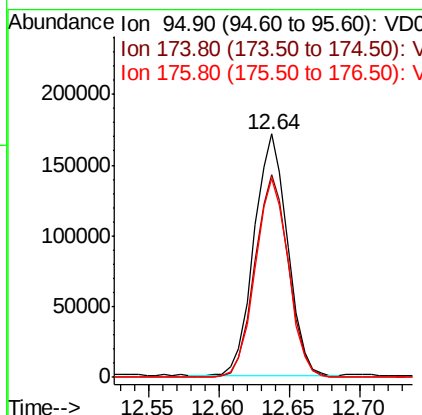
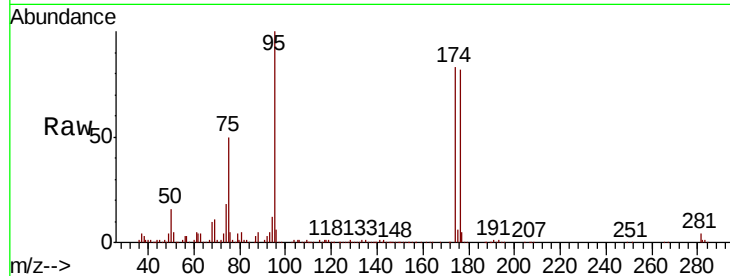




#62
4-Bromofluorobenzene
Concen: 55.507 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067197.D
Acq: 08 Oct 2020 16:26

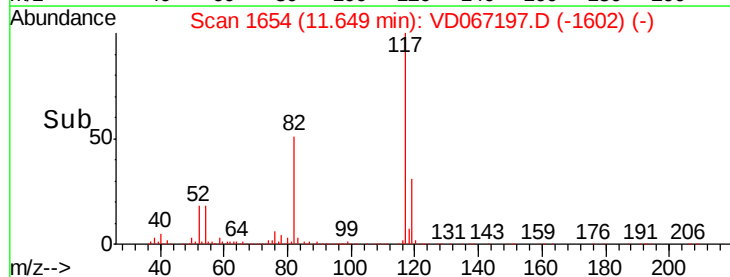
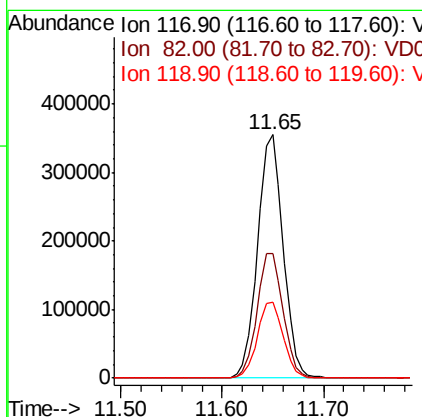
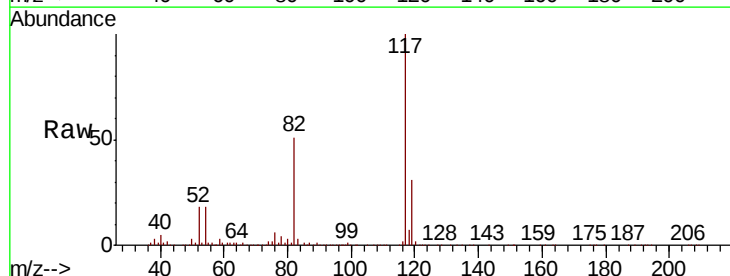
Instrument :
MSVOA_D
ClientSampleId :
RBR-559

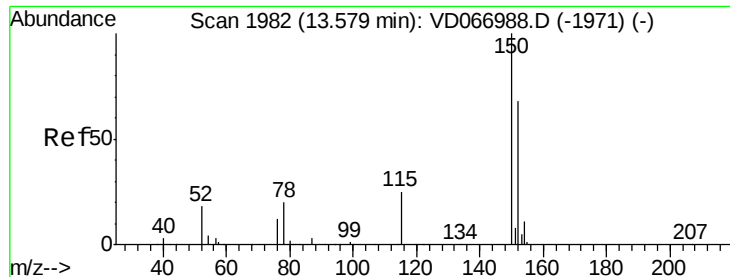
Tot Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	167.6
176	81.4	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067197.D
Acq: 08 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.0	42.6	63.8
119	31.1	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD067197.D

Acq: 08 Oct 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

RBR-559

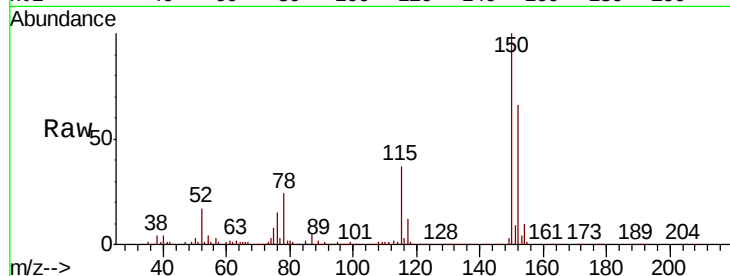
Tot Ion:152 Resp: 309589

Ion Ratio Lower Upper

152 100

115 58.6 29.6 88.8

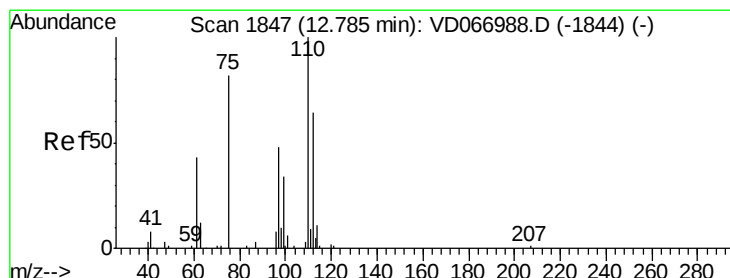
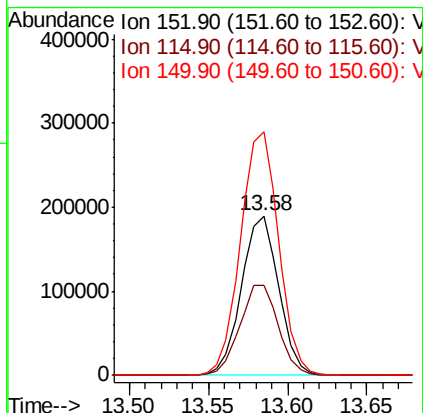
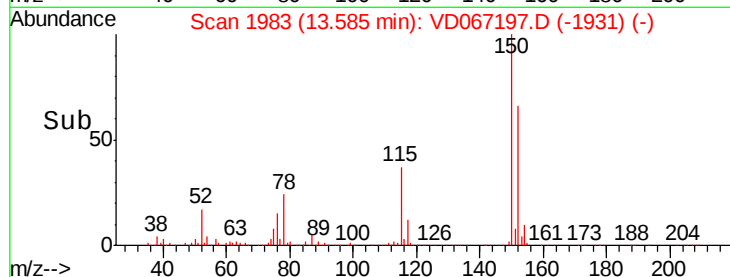
150 156.3 0.0 344.8



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: 53.583 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067197.D

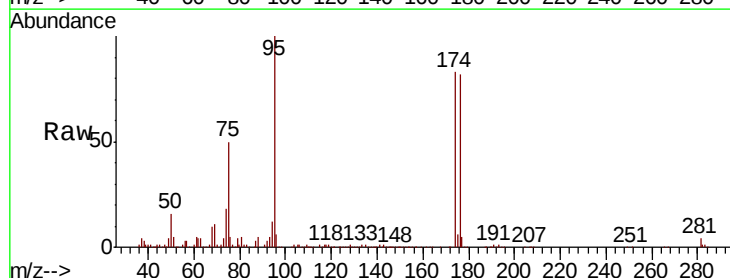
Acq: 08 Oct 2020 16:26

Tgt Ion: 75 Resp: 144494

Ion Ratio Lower Upper

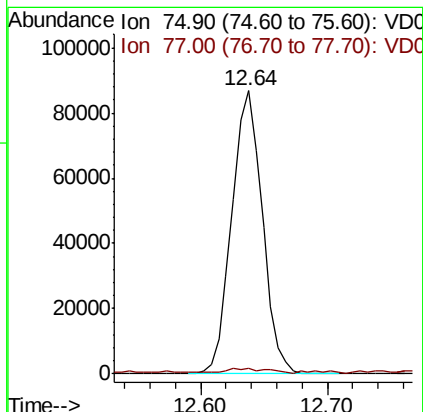
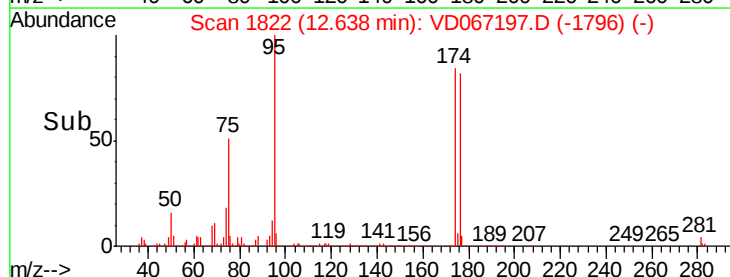
75 100

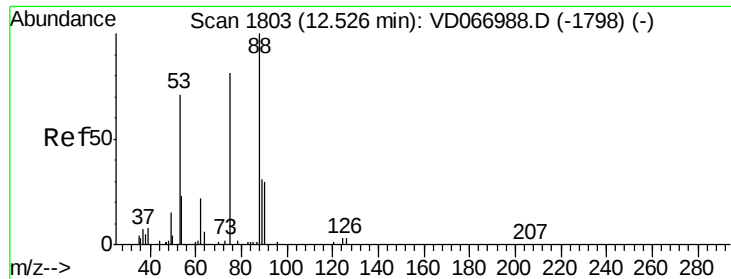
77 1.9 0.0 0.0#



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: 133.590 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067197.D

Acq: 08 Oct 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

RBR-559

Tot Ion: 75 Resp: 144494

Ion Ratio Lower Upper

75 100

53 0.4 73.8 110.6#

89 0.2 38.9 58.3#

