

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082720\
 Data File : VD066437.D
 Acq On : 27 Aug 2020 15:24
 Operator : VA/SY
 Sample : L3498-01
 Misc : 6.68G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-06-082620

Quant Time: Aug 28 01:48:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	182766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	262896	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	238727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	126232	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	107230	59.84	ug/l	0.00
Spiked Amount			Recovery	=	119.68%	
35) Dibromofluoromethane	7.91	113	82406	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
50) Toluene-d8	10.34	98	306878	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.63	95	110637	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	

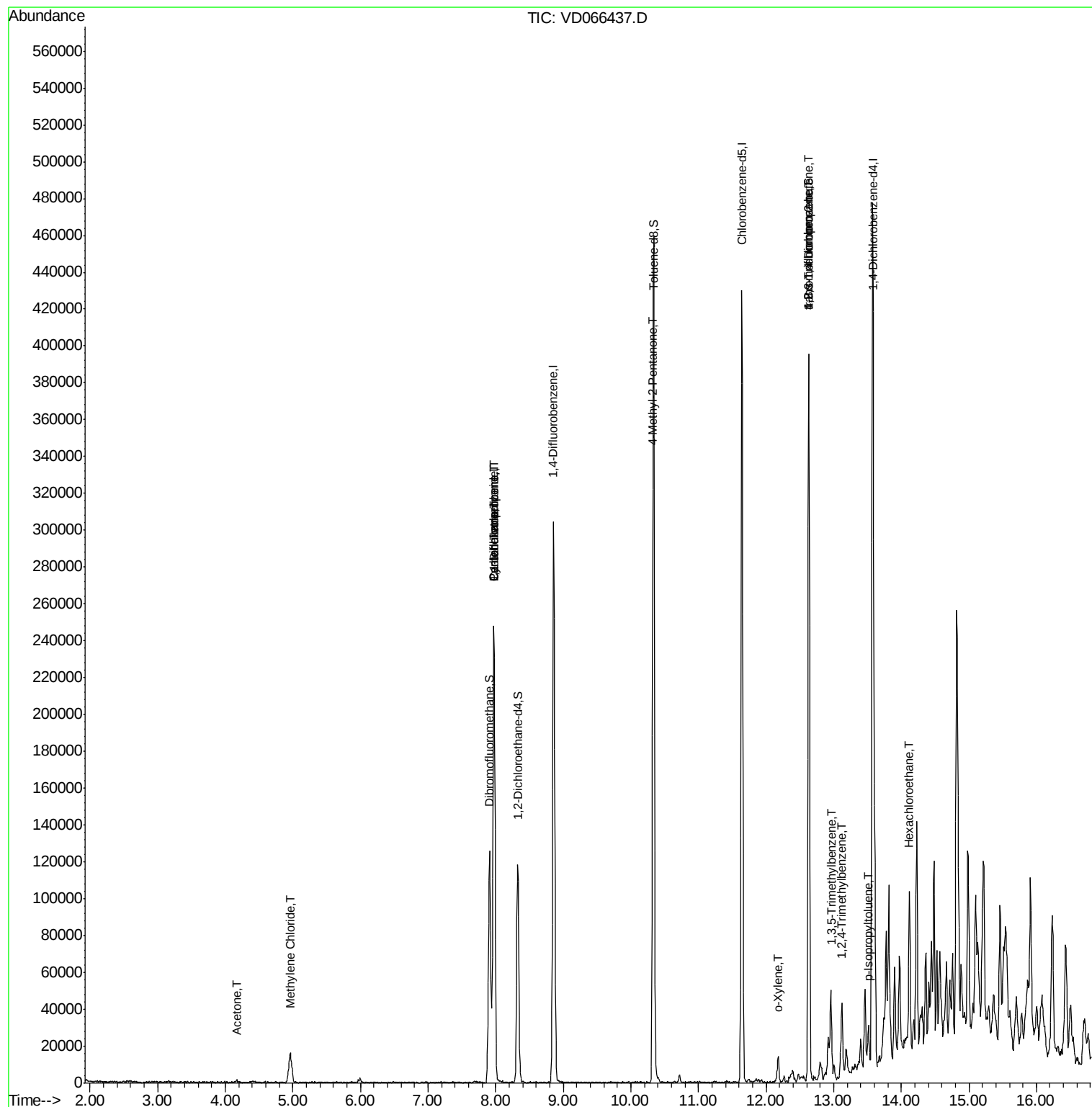
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	1431	4.430	ug/l	91
20) Methylene Chloride	4.97	84	12783	1.228	ug/l #	85
31) Cyclohexane	7.98	56	4020	1.616	ug/l #	32
36) 1,1-Dichloropropene	7.97	75	12270	5.115	ug/l #	51
38) Carbon Tetrachloride	7.97	117	19140	6.124	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	1636	2.065	ug/l #	1
69) o-Xylene	12.18	106	3996	1.348	ug/l	85
76) 1,2,3-Trichloropropane	12.63	75	63961	72.024	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.96	105	17084	2.340	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.63	75	63961	152.884	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.13	105	24213	3.376	ug/l	79
86) p-Isopropyltoluene	13.52	119	10329	1.289	ug/l	93
90) Hexachloroethane	14.11	117	5094	3.219	ug/l #	4

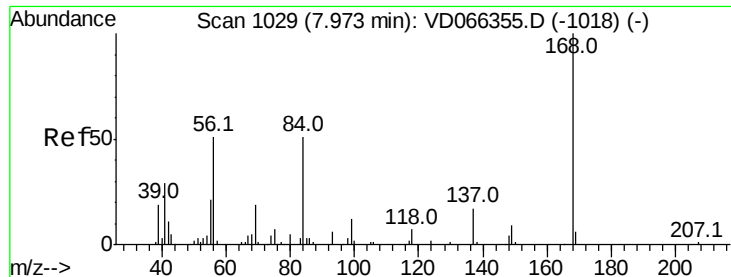
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082720\
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Quant Time: Aug 28 01:48:20 2020
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Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066437.D

Acq: 27 Aug 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

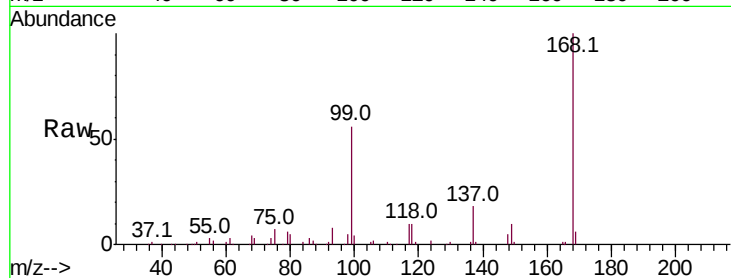
HR-06-082620

Tot Ion:168 Resp: 182766

Ion Ratio Lower Upper

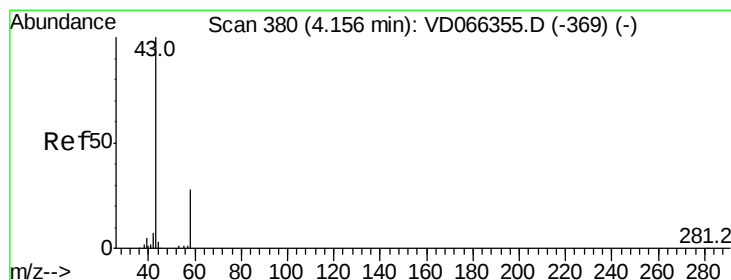
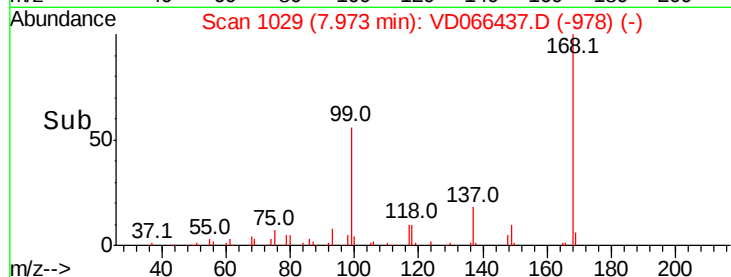
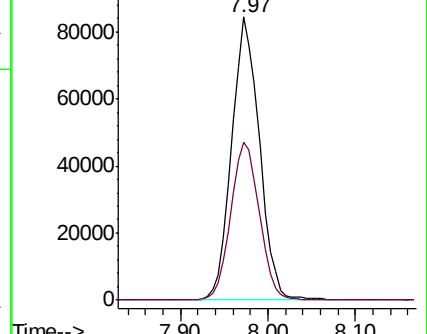
168 100

99 55.6 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 4.430 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD066437.D

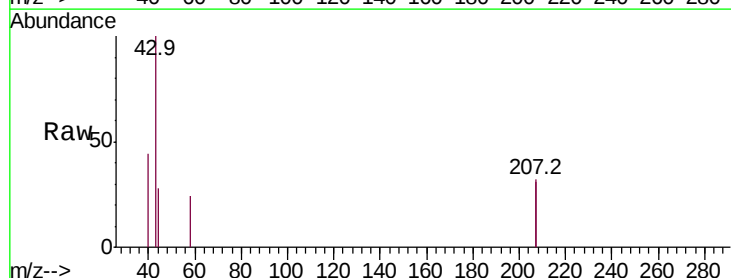
Acq: 27 Aug 2020 15:24

Tgt Ion: 43 Resp: 1431

Ion Ratio Lower Upper

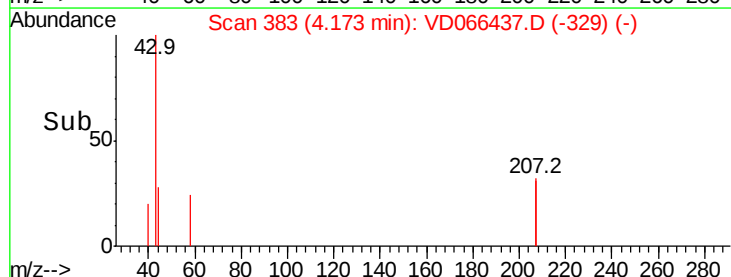
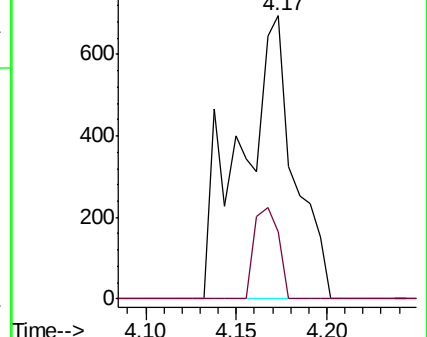
43 100

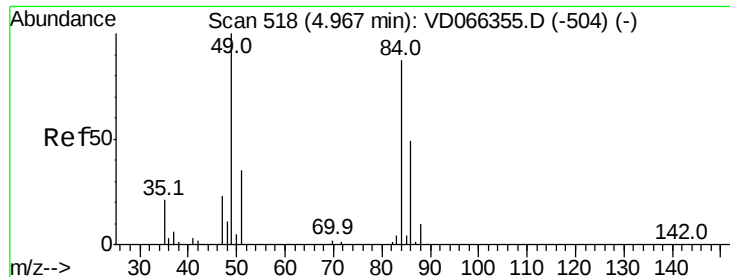
58 23.7 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#20

Methvlene Chloride

Concen: 1.228 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066437.D

Acq: 27 Aug 2020 15:24

Instrument :

MSVOA_D

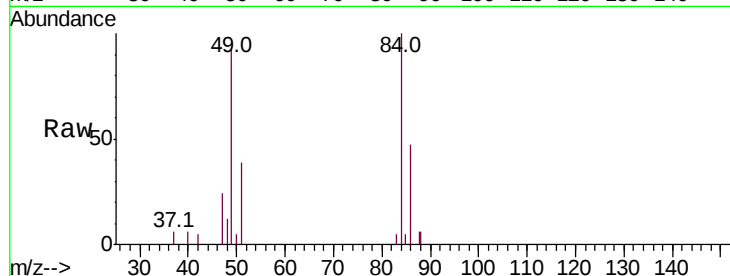
ClientSampleId :

HR-06-082620

Tot Ion: 84 Resp: 12783

Ion Ratio Lower Upper

84	100		
49	92.5	92.5	138.7#
51	38.9	32.5	48.7
86	47.3	45.0	67.6

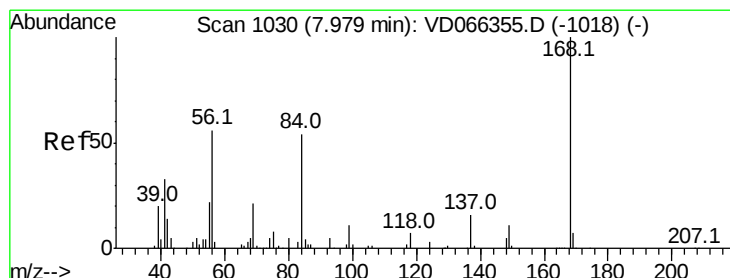
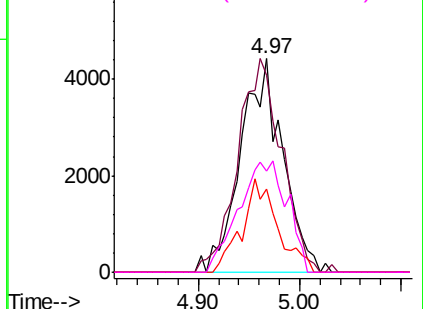
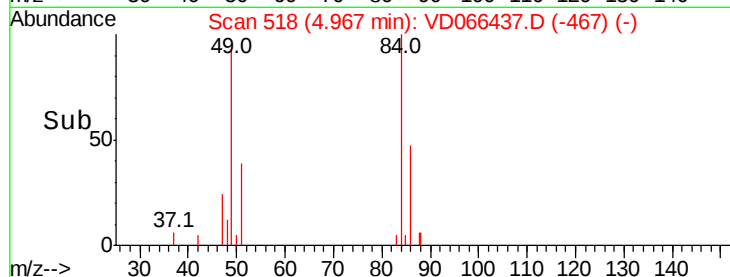


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#31

Cyclohexane

Concen: 1.616 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

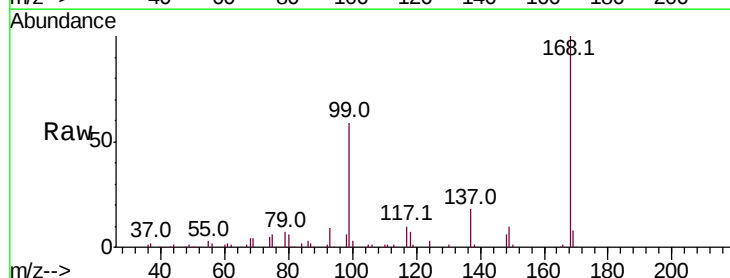
Lab File: VD066437.D

Acq: 27 Aug 2020 15:24

Tgt Ion: 56 Resp: 4020

Ion Ratio Lower Upper

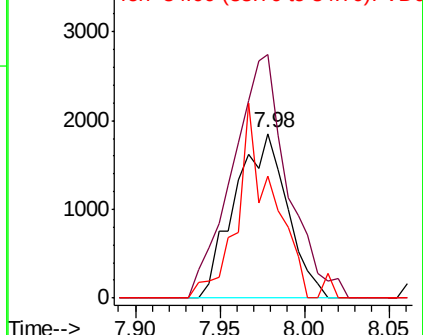
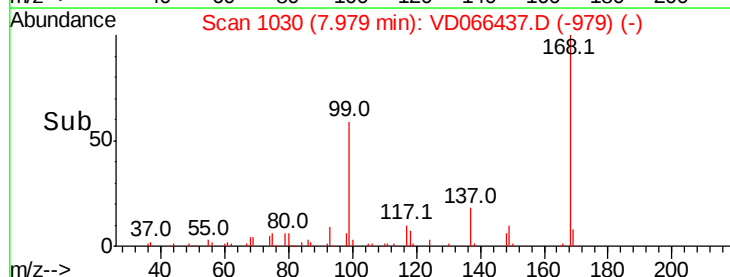
56	100		
69	148.2	29.6	44.4#
84	74.2	76.6	115.0#

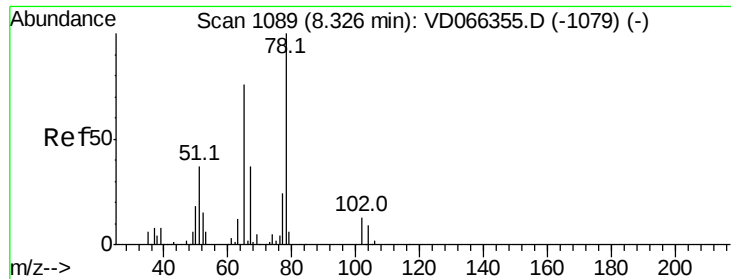


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 59.844 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066437.D

Acq: 27 Aug 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

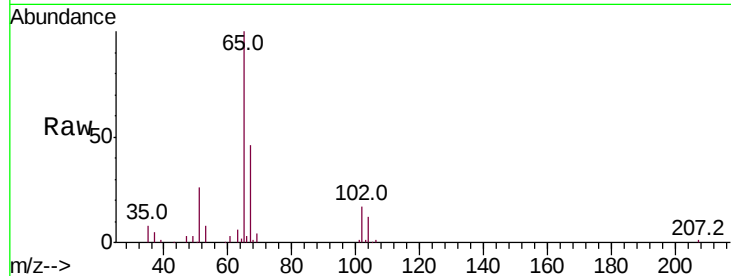
HR-06-082620

Tot Ion: 65 Resp: 107230

Ion Ratio Lower Upper

65 100

67 44.5 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

50000

40000

30000

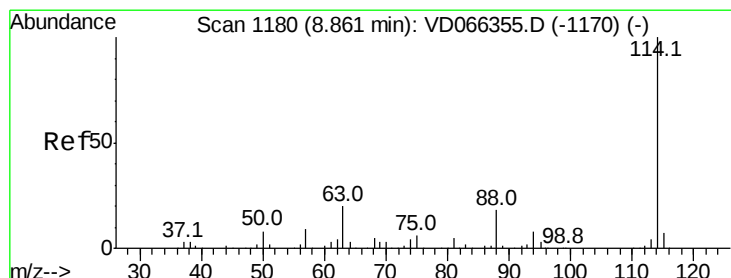
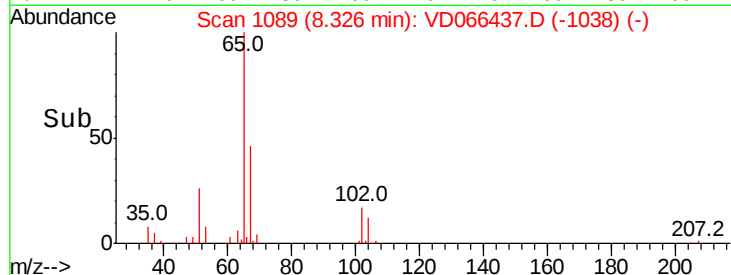
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066437.D

Acq: 27 Aug 2020 15:24

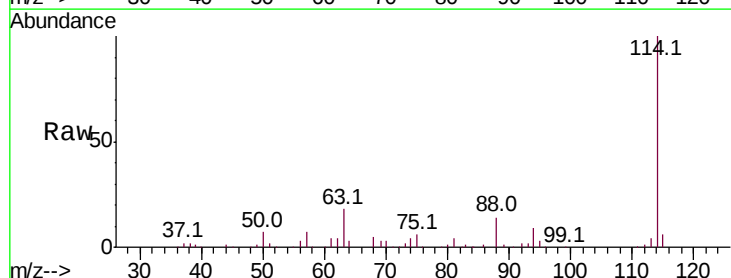
Tgt Ion:114 Resp: 262896

Ion Ratio Lower Upper

114 100

63 17.8 0.0 40.8

88 14.2 0.0 35.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

150000

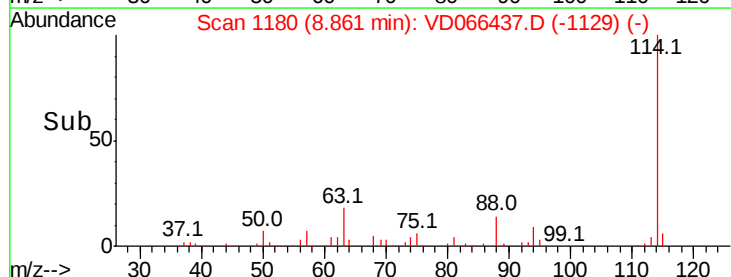
100000

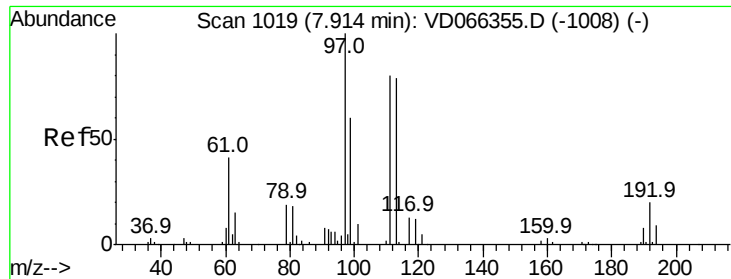
50000

0

8.80 8.90 9.00

Time-->

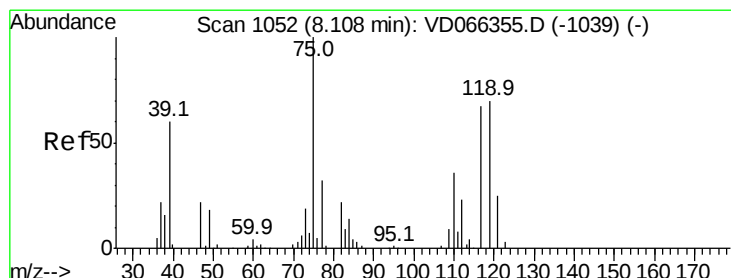
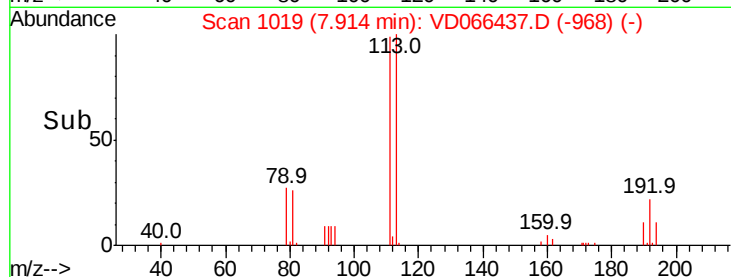
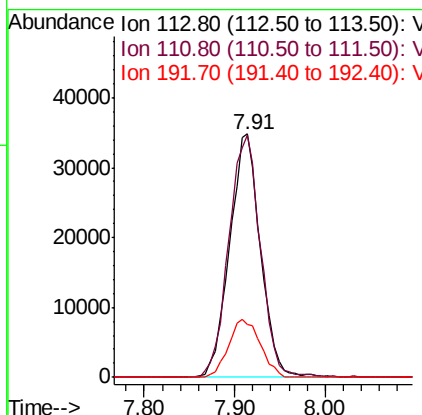
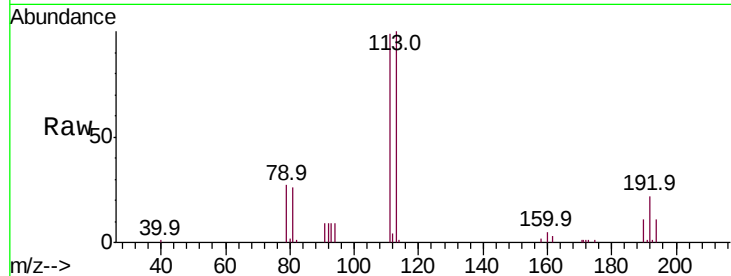




#35
 Dibromofluoromethane
 Concen: 50.128 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066437.D
 Acq: 27 Aug 2020 15:24

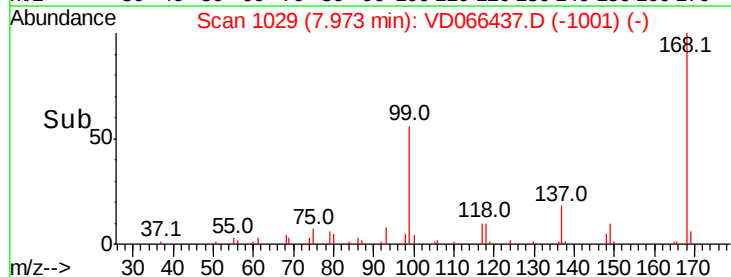
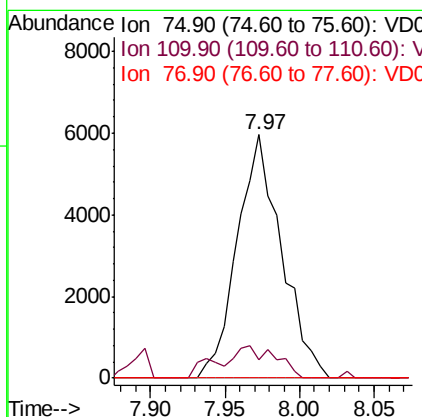
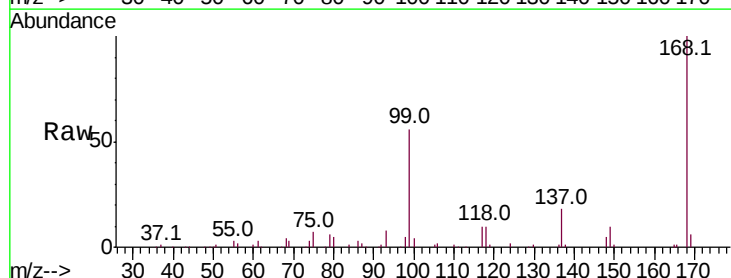
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-06-082620

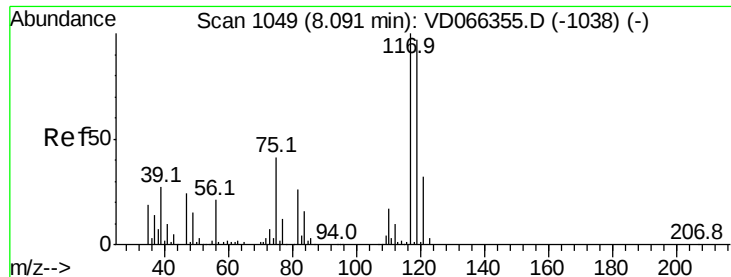
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	80.3	120.5
192	24.3	19.0	28.6



#36
 1,1-Dichloropropene
 Concen: 5.115 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066437.D
 Acq: 27 Aug 2020 15:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.3	18.7	56.1#
77	0.0	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 6.124 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066437.D

Acq: 27 Aug 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

HR-06-082620

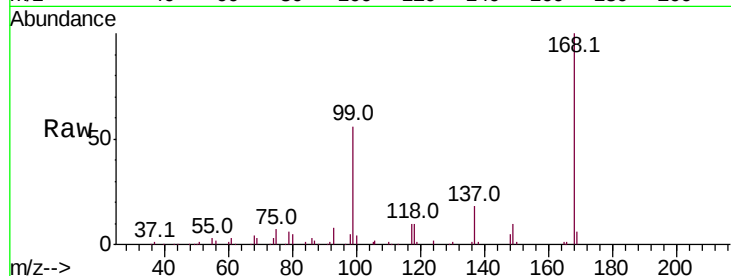
Tot Ion:117 Resp: 19140

Ion Ratio Lower Upper

117 100

119 5.0 77.2 115.8#

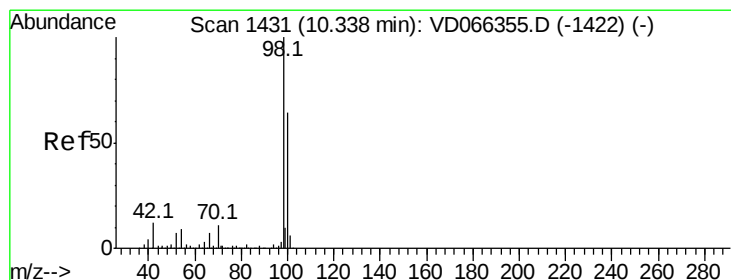
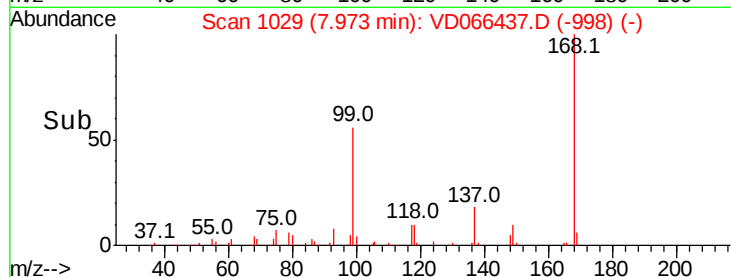
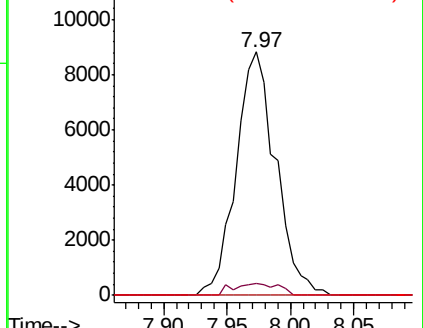
121 0.0 25.8 38.8#



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: 51.020 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066437.D

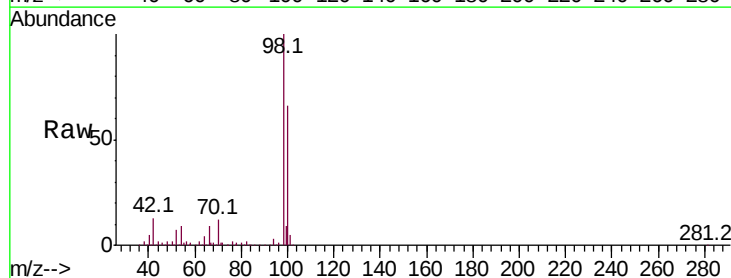
Acq: 27 Aug 2020 15:24

Tgt Ion: 98 Resp: 306878

Ion Ratio Lower Upper

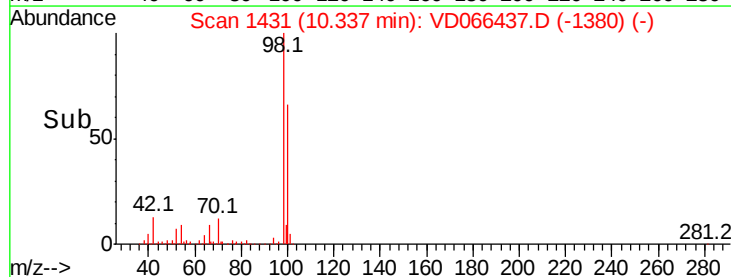
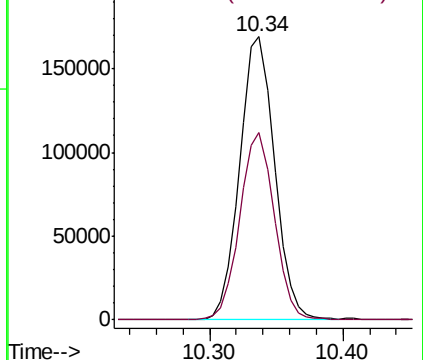
98 100

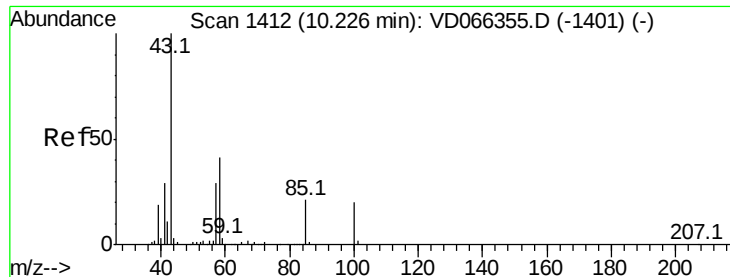
100 65.4 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.065 ug/l

RT: 10.32 min Scan# 1428

Delta R.T. 0.09 min

Lab File: VD066437.D

Acq: 27 Aug 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

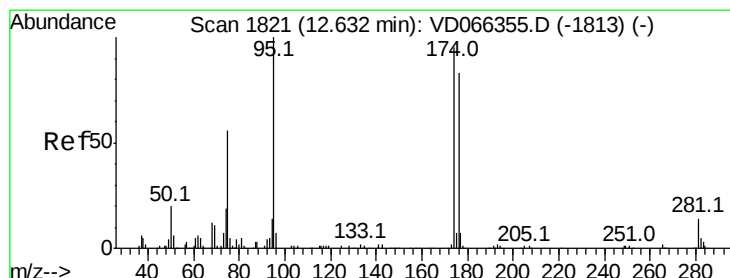
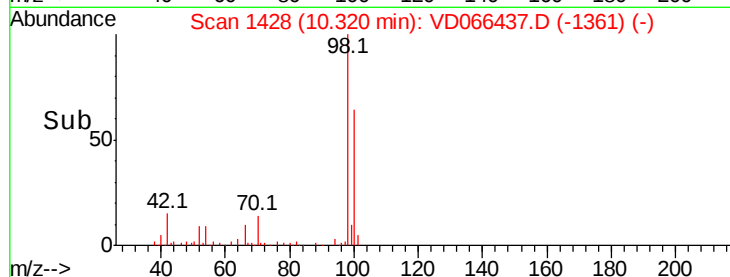
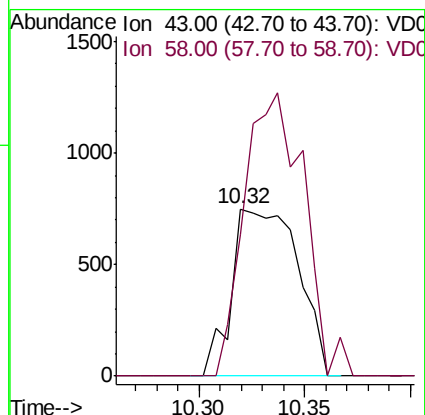
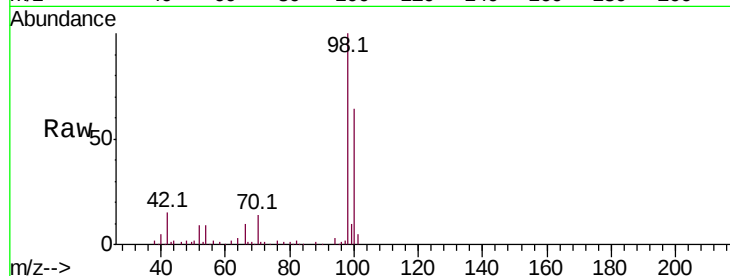
HR-06-082620

Tot Ion: 43 Resp: 1636

Ion Ratio Lower Upper

43 100

58 152.1 31.4 47.2#



#62

4-Bromofluorobenzene

Concen: 51.837 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066437.D

Acq: 27 Aug 2020 15:24

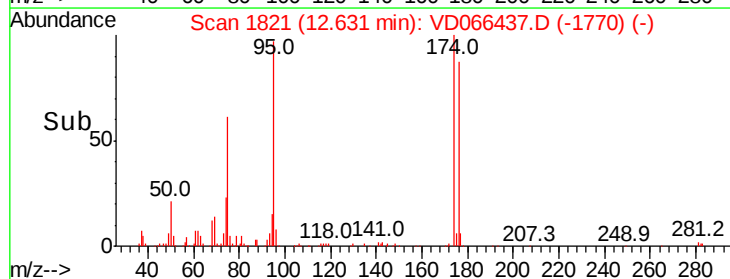
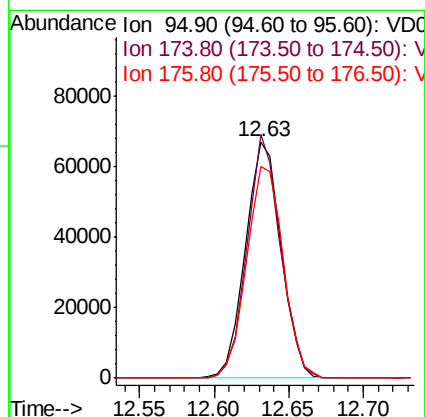
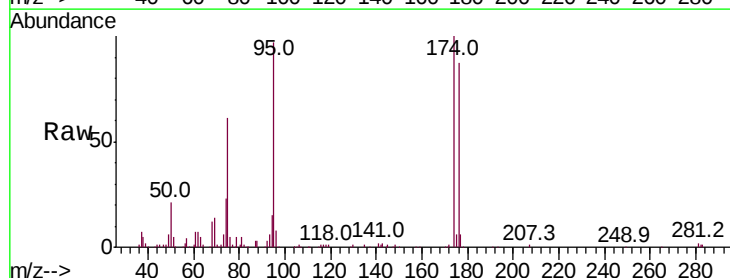
Tgt Ion: 95 Resp: 110637

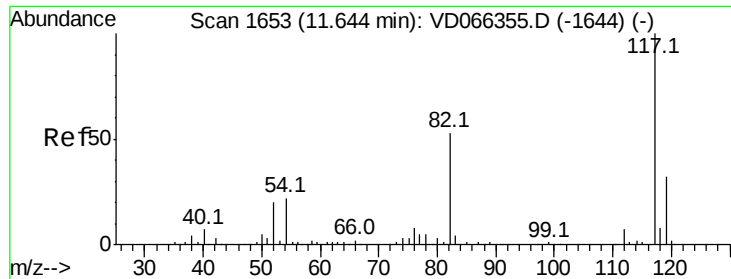
Ion Ratio Lower Upper

95 100

174 96.3 0.0 183.4

176 91.8 0.0 173.8

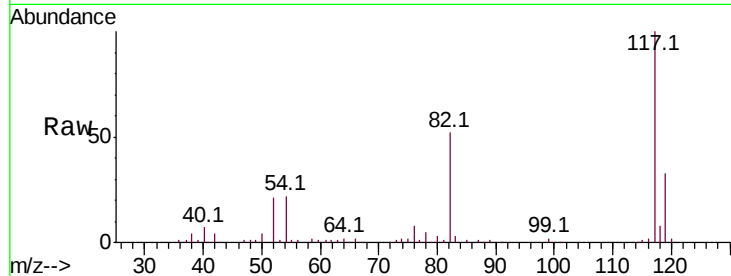




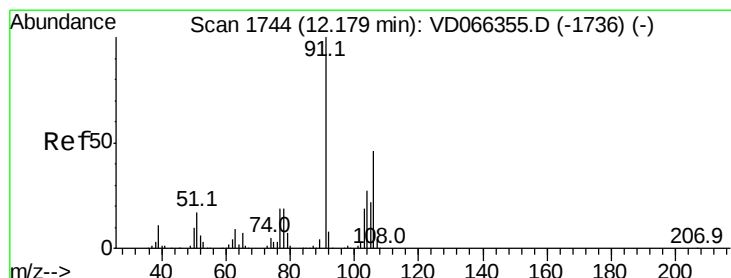
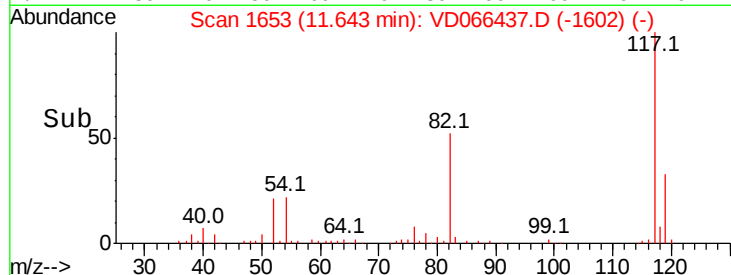
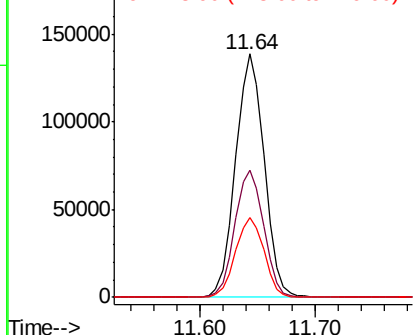
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066437.D
Acq: 27 Aug 2020 15:24

Instrument :
MSVOA_D
ClientSampleId :
HR-06-082620

Tot Ion:117 Resp: 238727
Ion Ratio Lower Upper
117 100
82 52.3 42.8 64.2
119 32.6 25.8 38.8

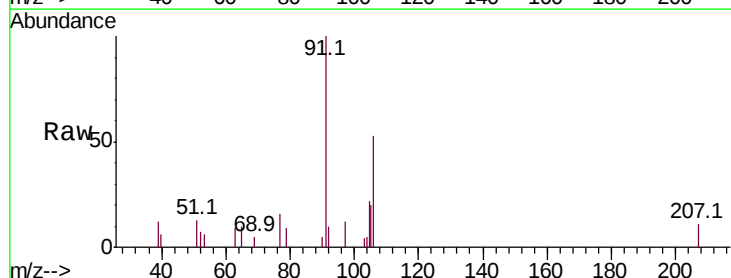


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

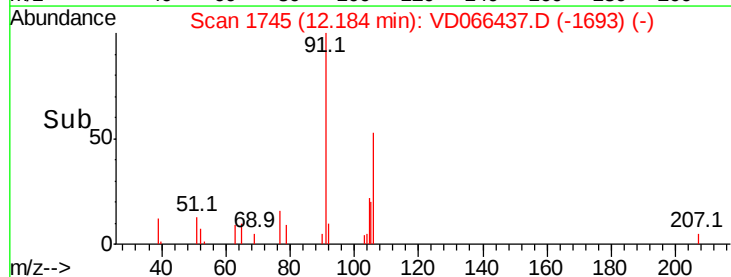
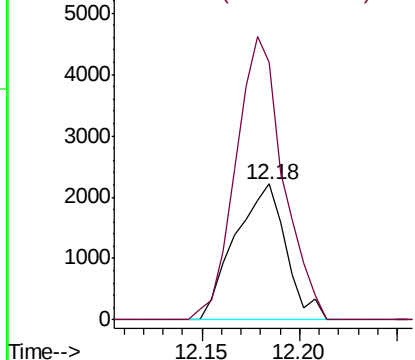


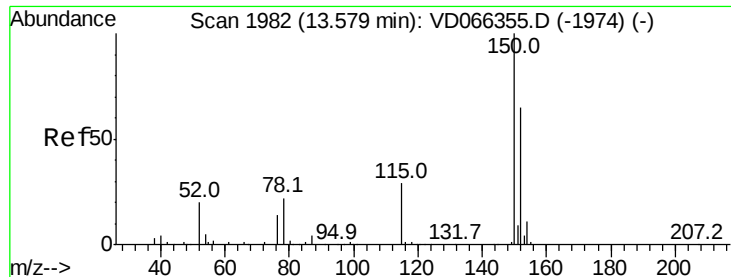
#69
o-Xylene
Concen: 1.348 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066437.D
Acq: 27 Aug 2020 15:24

Tgt Ion:106 Resp: 3996
Ion Ratio Lower Upper
106 100
91 194.9 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V



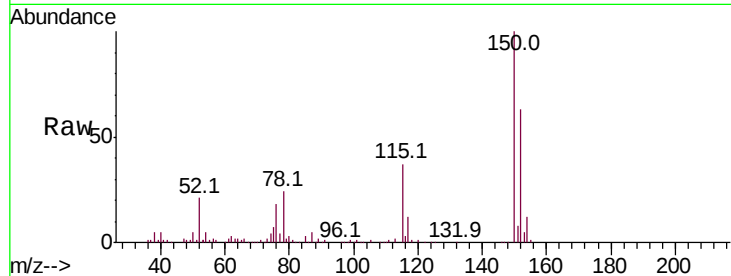


#72

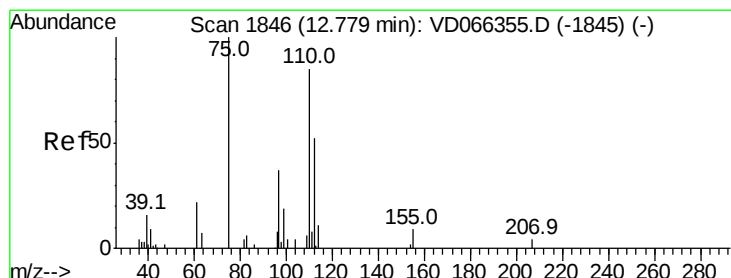
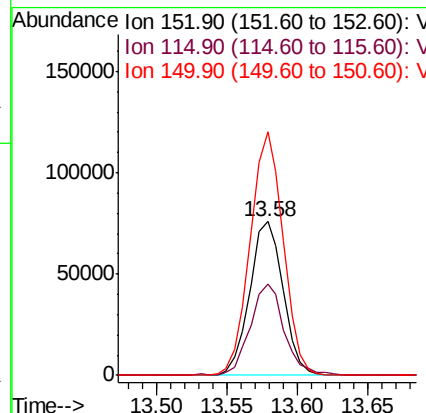
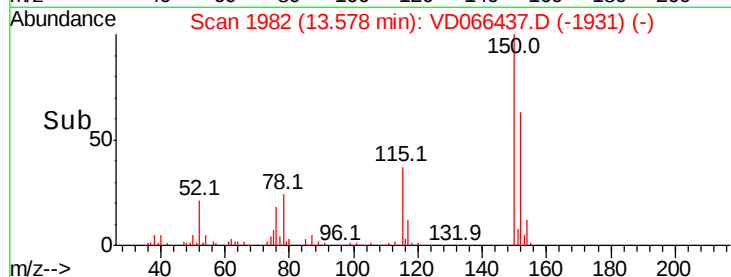
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066437.D
Acq: 27 Aug 2020 15:24

Instrument :
MSVOA_D
ClientSampleId :
HR-06-082620

Tot Ion:152 Resp: 126232
Ion Ratio Lower Upper
152 100
115 60.4 28.3 85.0
150 155.9 0.0 343.2



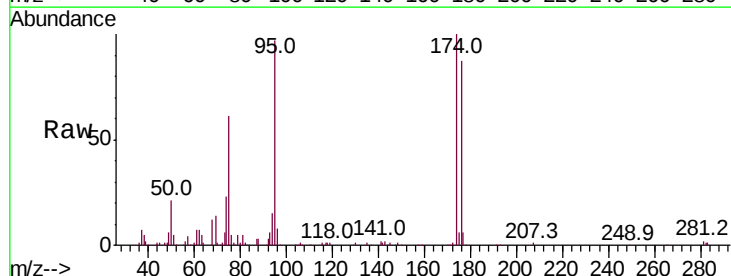
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



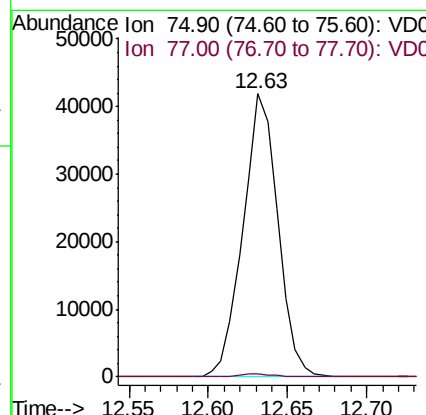
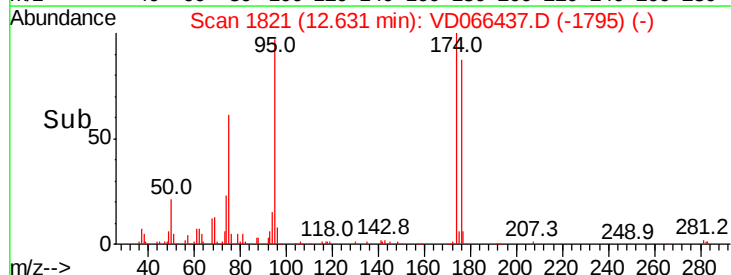
#76

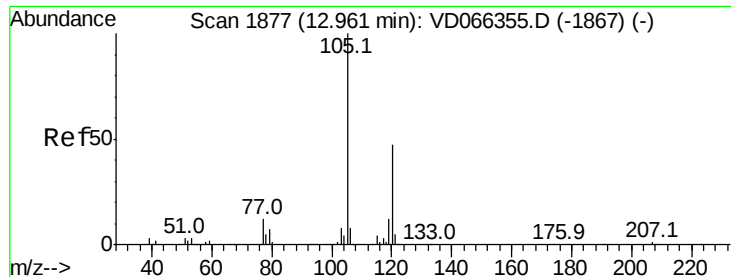
1,2,3-Trichloropropane
Concen: 72.024 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066437.D
Acq: 27 Aug 2020 15:24

Tgt Ion: 75 Resp: 63961
Ion Ratio Lower Upper
75 100
77 0.9 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#80

1,3,5-Trimethylbenzene

Concen: 2.340 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066437.D

Acq: 27 Aug 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

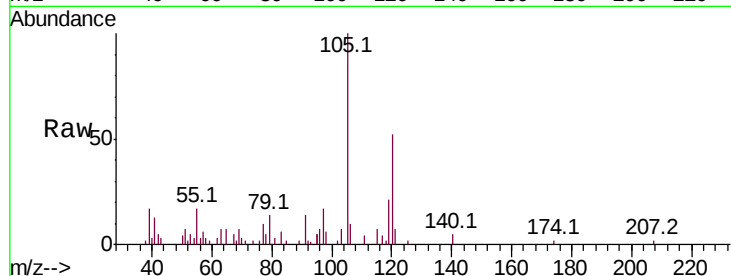
HR-06-082620

Tot Ion:105 Resp: 17084

Ion Ratio Lower Upper

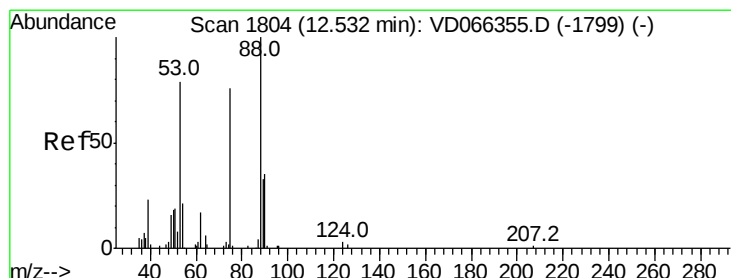
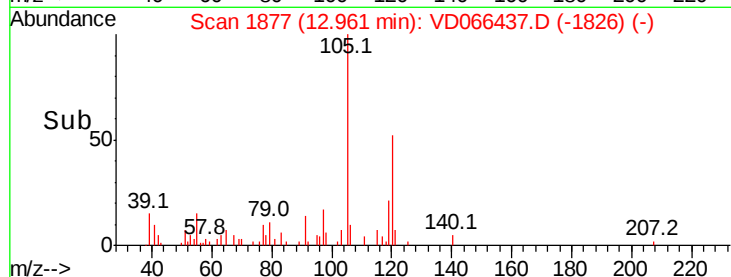
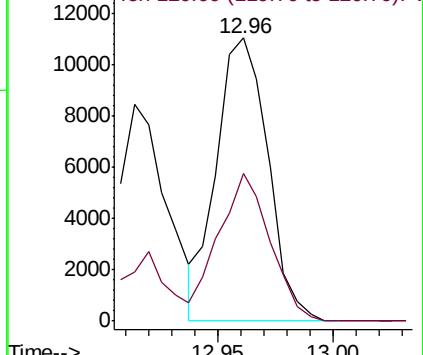
105 100

120 52.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 152.884 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066437.D

Acq: 27 Aug 2020 15:24

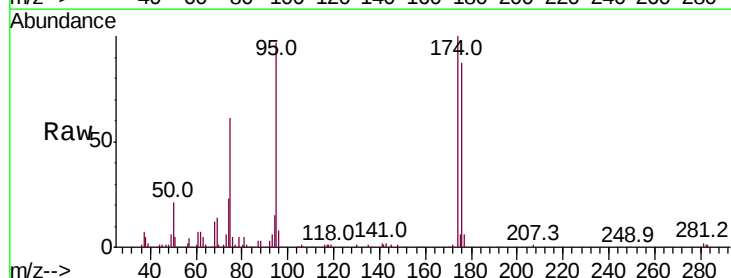
Tgt Ion: 75 Resp: 63961

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

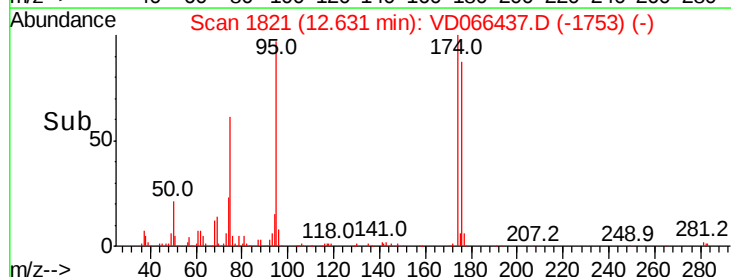
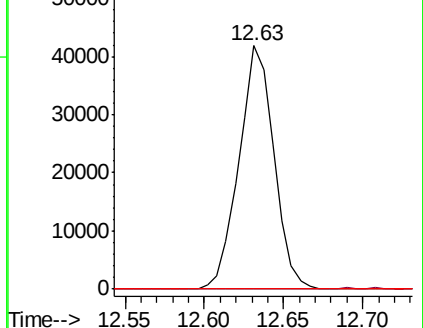
89 0.0 39.4 59.0#

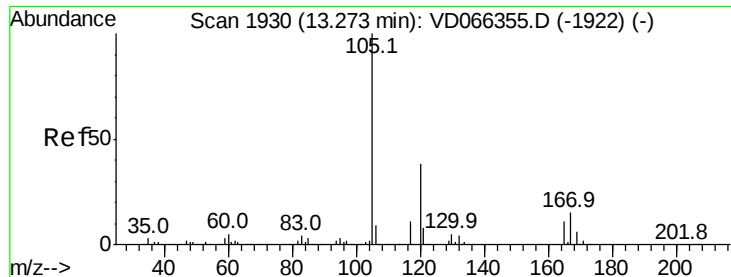


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#84

1,2,4-Trimethylbenzene

Concen: 3.376 ug/l

RT: 13.13 min Scan# 1905

Delta R.T. -0.15 min

Lab File: VD066437.D

Acq: 27 Aug 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

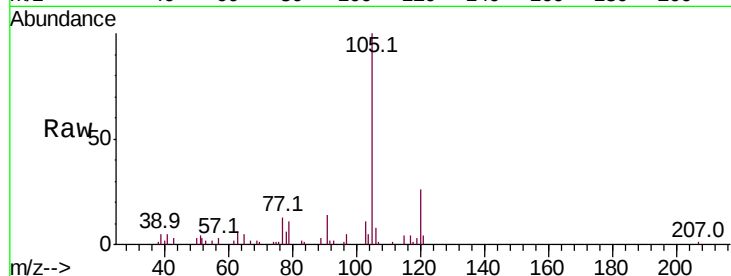
HR-06-082620

Tot Ion:105 Resp: 24213

Ion Ratio Lower Upper

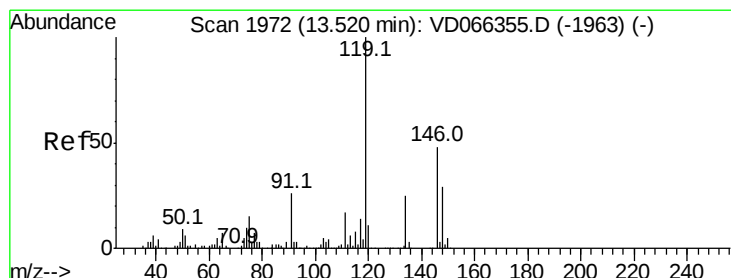
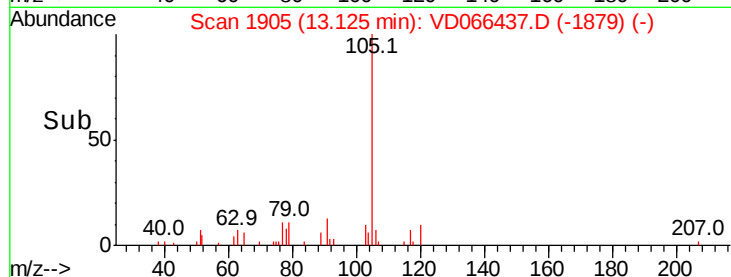
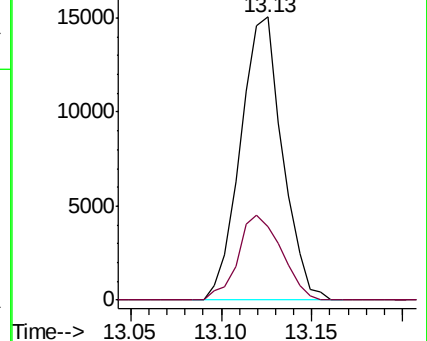
105 100

120 31.2 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

p-Isopropyltoluene

Concen: 1.289 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066437.D

Acq: 27 Aug 2020 15:24

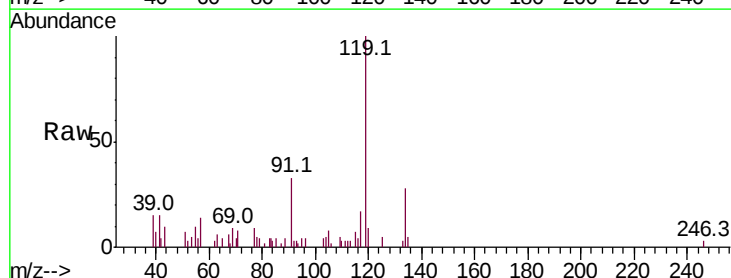
Tgt Ion:119 Resp: 10329

Ion Ratio Lower Upper

119 100

134 28.4 12.8 38.3

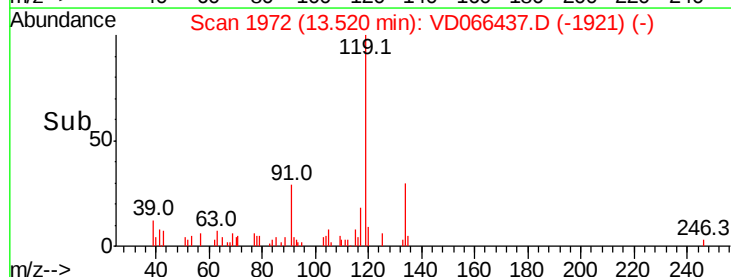
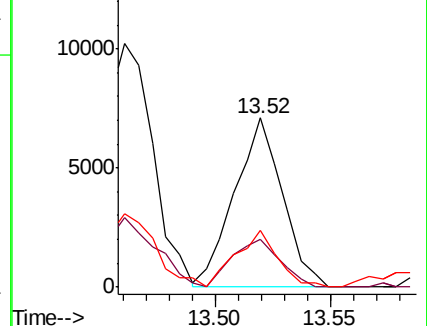
91 29.4 12.7 38.0

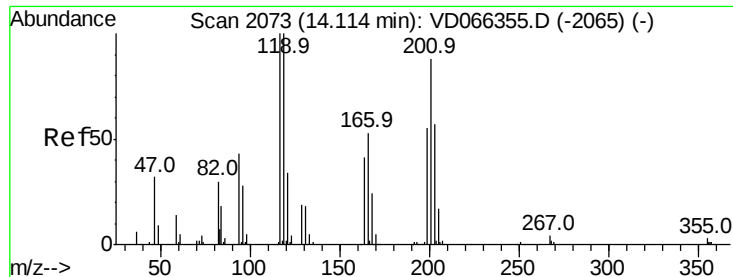


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#90

Hexachloroethane

Concen: 3.219 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VD066437.D

Acq: 27 Aug 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

HR-06-082620

Tot Ion:117 Resp: 5094

Ion Ratio Lower Upper

117 100

201 0.0 45.4 136.2#

