

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090120\
 Data File : VD066510.D
 Acq On : 01 Sep 2020 21:42
 Operator : VA/SY
 Sample : L3850-04
 Misc : 4.51G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 228

Quant Time: Sep 02 01:08:07 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	163830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	244376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	211588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	84637	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	97991	61.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	122.02%	
35) Dibromofluoromethane	7.91	113	77836	50.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.88%	
50) Toluene-d8	10.34	98	273583	48.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.64	95	85357	43.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.04%	

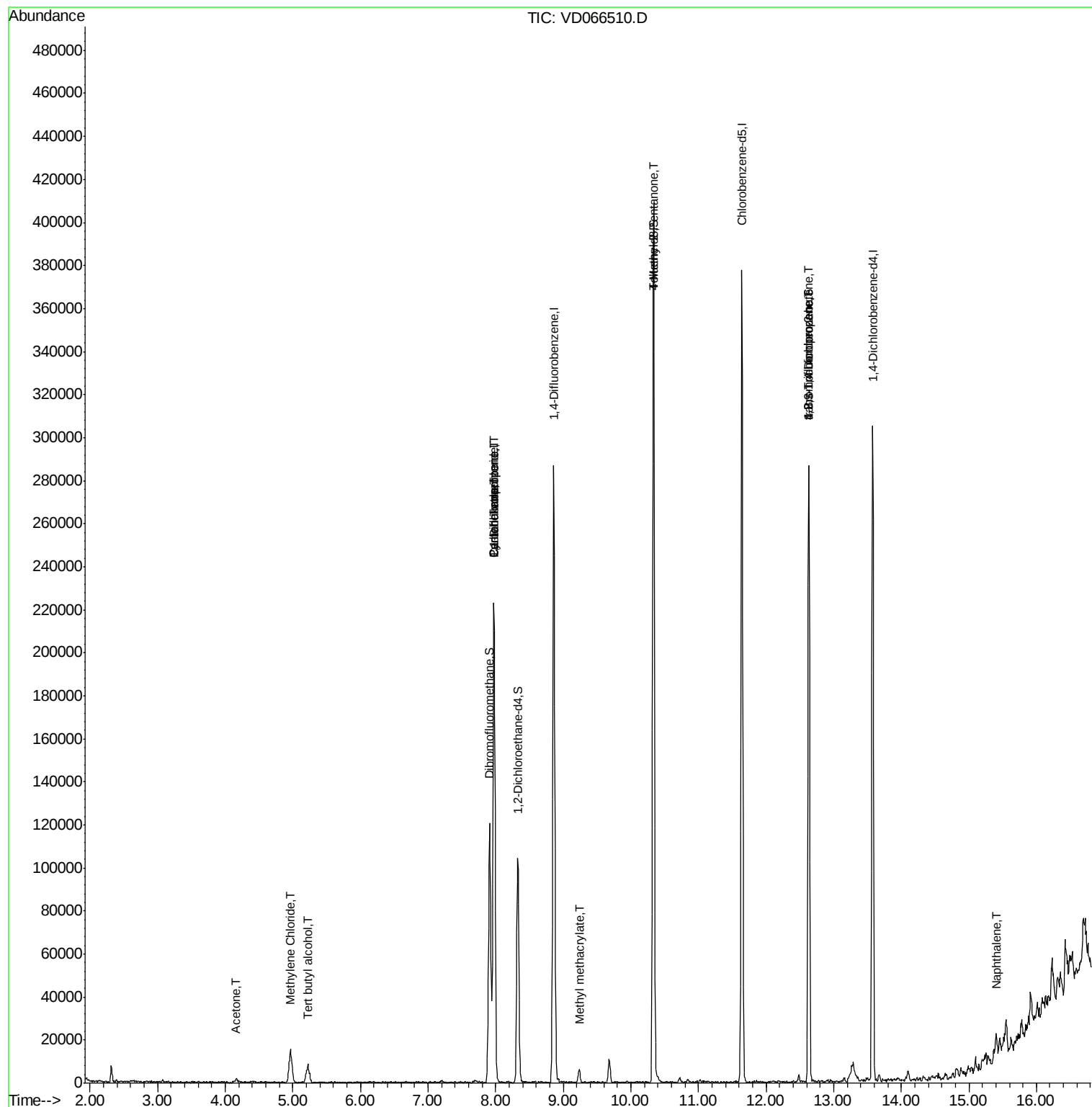
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	13739	127.753	ug/l	95
16) Acetone	4.16	43	2920	10.084	ug/l	92
20) Methylene Chloride	4.97	84	11496	1.256	ug/l #	84
31) Cyclohexane	7.97	56	4020	1.803	ug/l #	60
36) 1,1-Dichloropropene	7.97	75	10923	4.899	ug/l #	53
38) Carbon Tetrachloride	7.97	117	16677	5.741	ug/l #	17
48) Methyl methacrylate	9.24	41	1476	1.880	ug/l #	44
51) 4-Methyl-2-Pentanone	10.33	43	1401	1.903	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	51009	85.668	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	51009	181.846	ug/l #	6
95) Naphthalene	15.40	128	10153	3.581	ug/l #	90

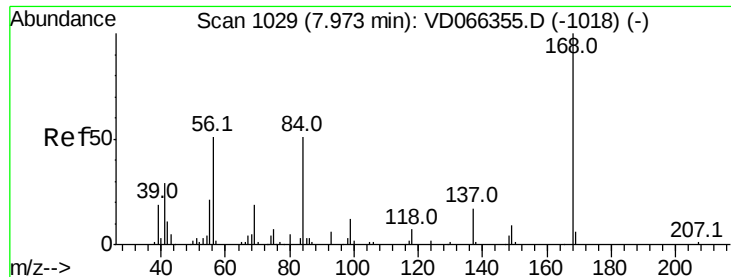
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090120\
Data File : VD066510.D
Acq On : 01 Sep 2020 21:42
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MSVOA_D
ClientSampled :
228

Quant Time: Sep 02 01:08:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
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: VD066510.D

Acq: 01 Sep 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

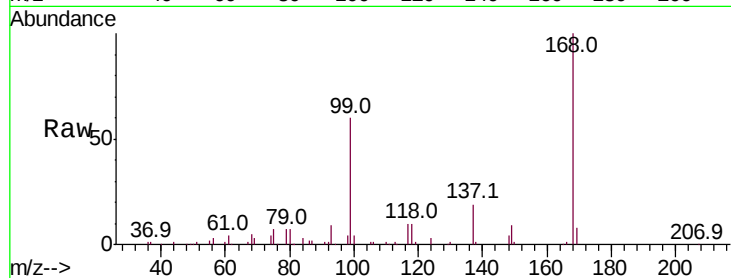
228

Tot Ion:168 Resp: 163830

Ion Ratio Lower Upper

168 100

99 60.0 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

80000

60000

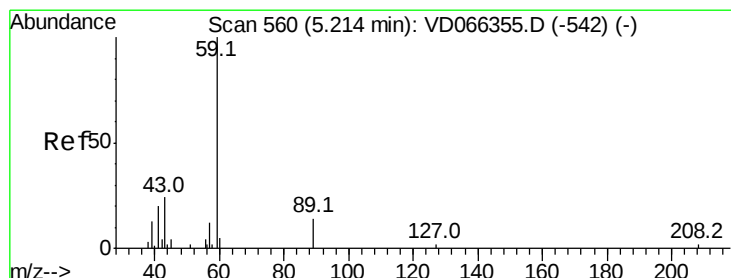
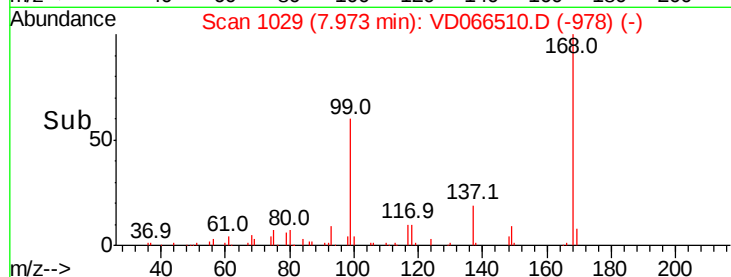
40000

20000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 127.753 ug/l

RT: 5.22 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD066510.D

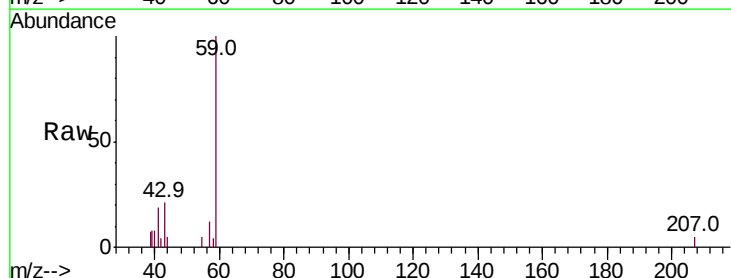
Acq: 01 Sep 2020 21:42

Tgt Ion: 59 Resp: 13739

Ion Ratio Lower Upper

59 100

57 9.4 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.22

5000

4000

3000

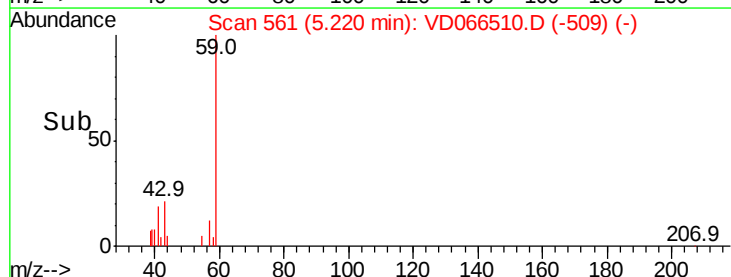
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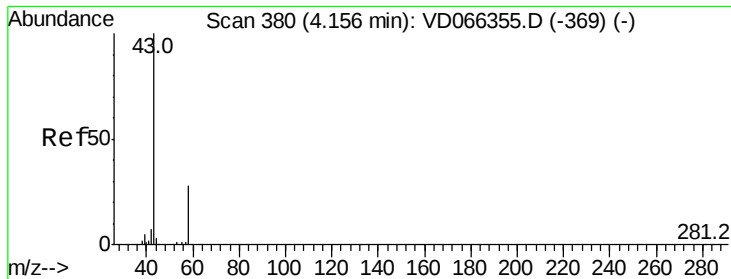
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0

Time-->

5.10 5.15 5.20 5.25 5.30





#16

Acetone

Concen: 10.084 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066510.D

Acq: 01 Sep 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

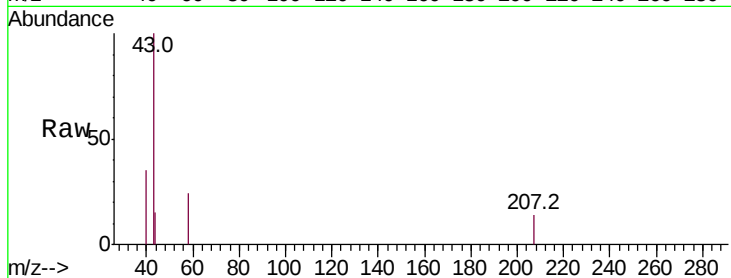
228

Tot Ion: 43 Resp: 2920

Ion Ratio Lower Upper

43 100

58 24.1 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1500

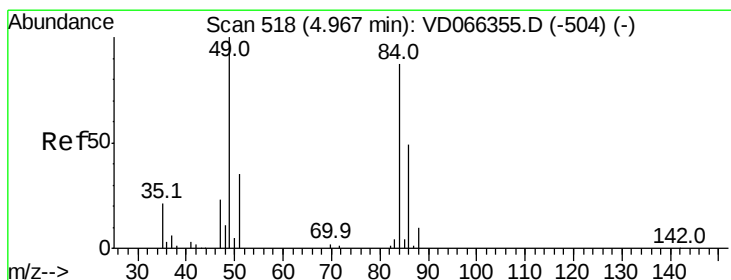
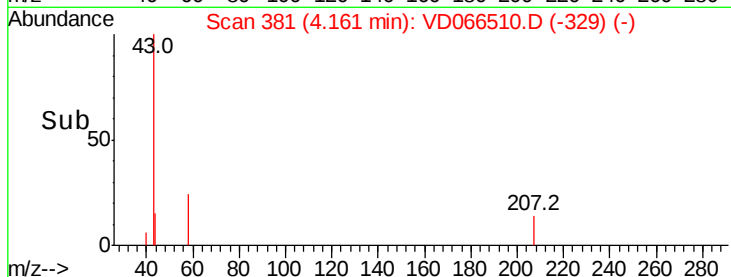
1000

500

0

4.10 4.15 4.20 4.25

Time-->



#20

Methylene Chloride

Concen: 1.256 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066510.D

Acq: 01 Sep 2020 21:42

Tgt Ion: 84 Resp: 11496

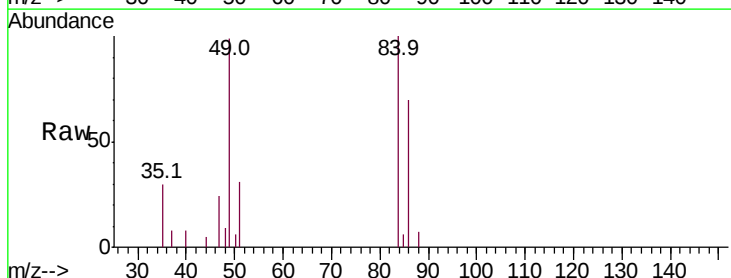
Ion Ratio Lower Upper

84 100

49 98.7 92.5 138.7

51 31.2 32.5 48.7#

86 69.6 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

6000

5000

4000

3000

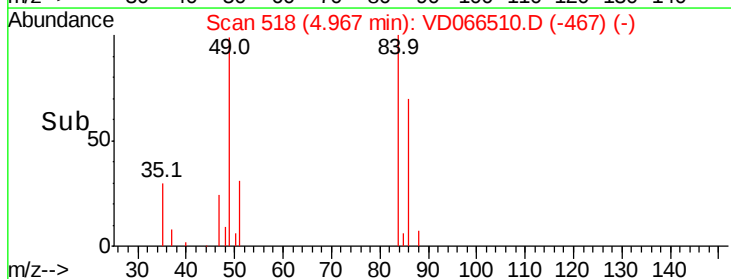
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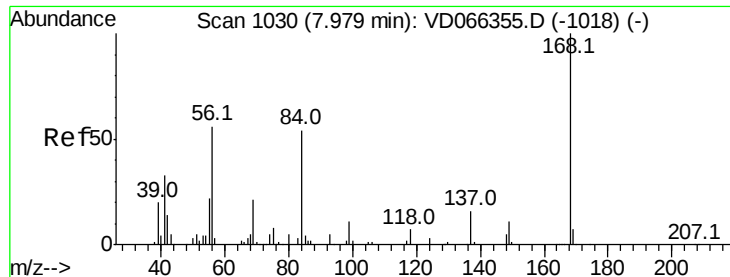
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4.85 4.90 4.95 5.00 5.05

Time-->

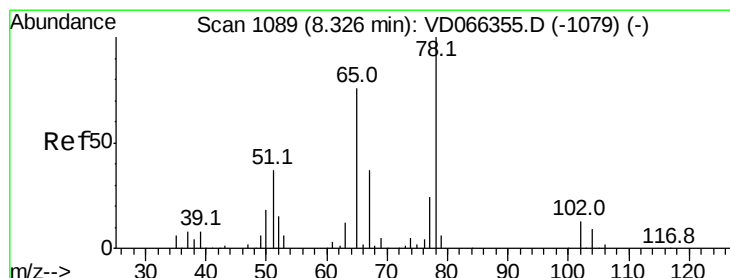
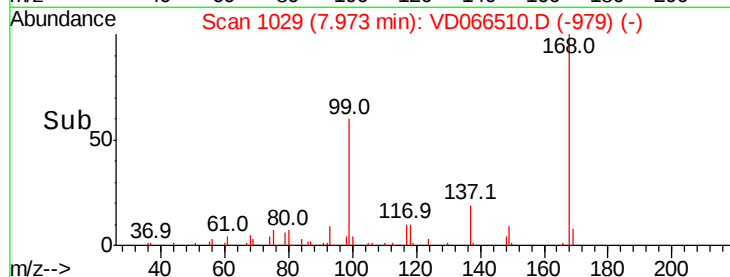
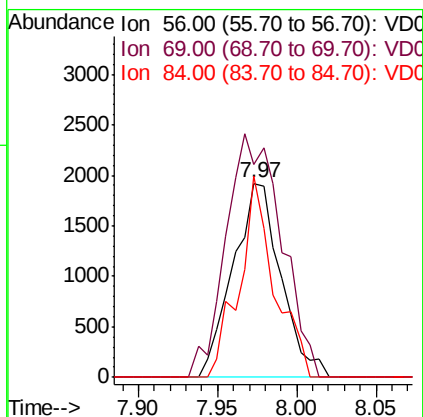
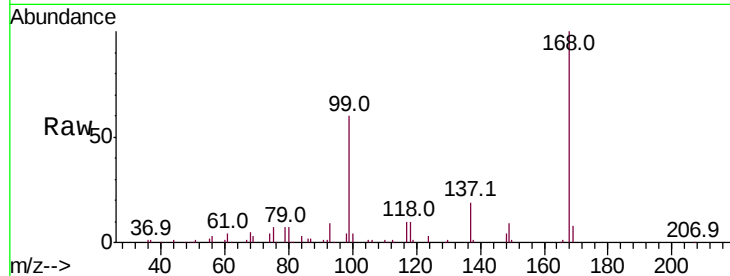




#31
Cyclohexane
Concen: 1.803 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066510.D
Acq: 01 Sep 2020 21:42

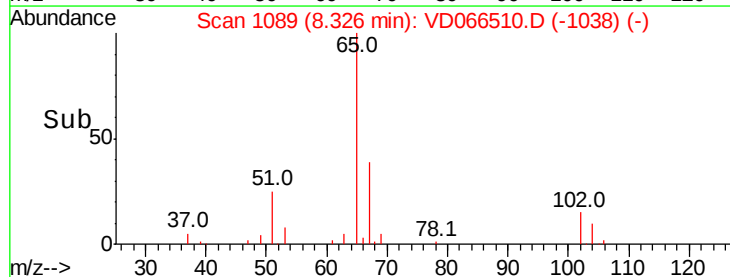
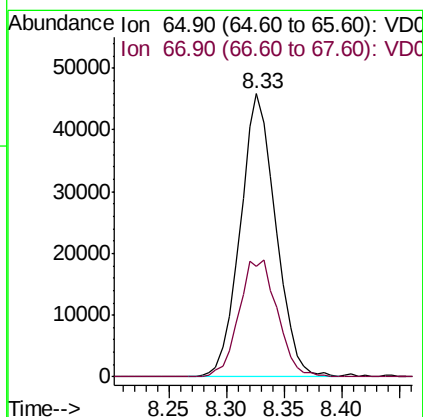
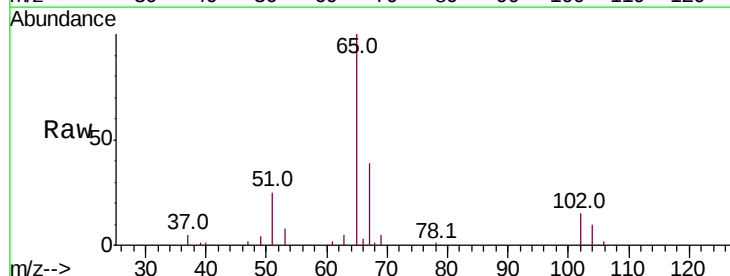
Instrument :
MSVOA_D
ClientSampleID :
228

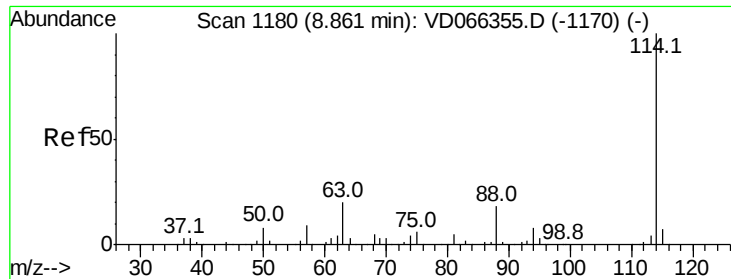
Tot Ion: 56 Resp: 4020
Ion Ratio Lower Upper
56 100
69 109.8 29.6 44.4#
84 104.2 76.6 115.0



#33
1,2-Dichloroethane-d4
Concen: 61.009 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066510.D
Acq: 01 Sep 2020 21:42

Tgt Ion: 65 Resp: 97991
Ion Ratio Lower Upper
65 100
67 44.7 0.0 101.6

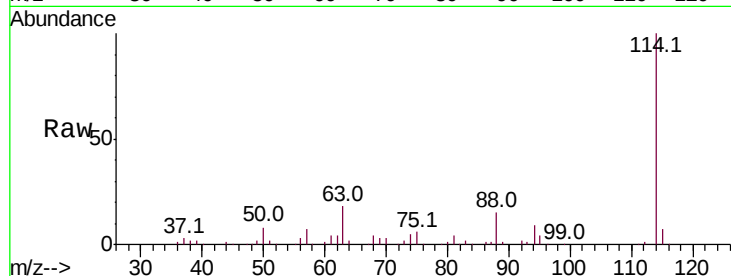




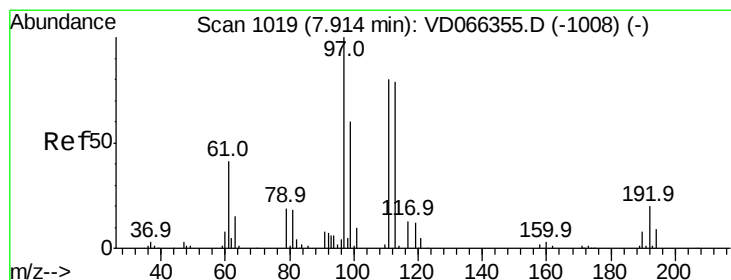
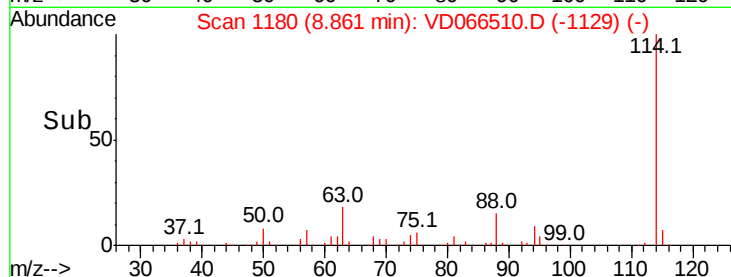
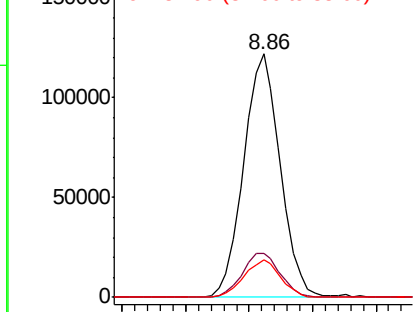
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066510.D
 Acq: 01 Sep 2020 21:42

Instrument :
 MSVOA_D
 ClientSampleId :
 228

Tot Ion:114 Resp: 244376
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 40.8
 88 15.3 0.0 35.4

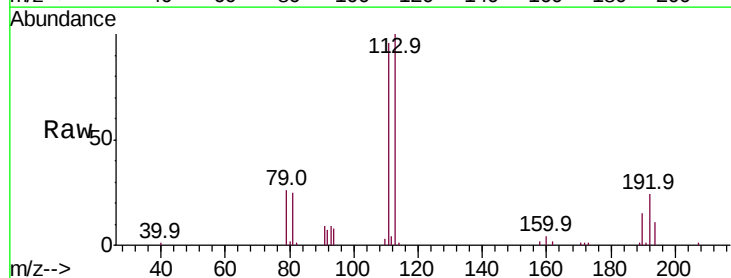


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

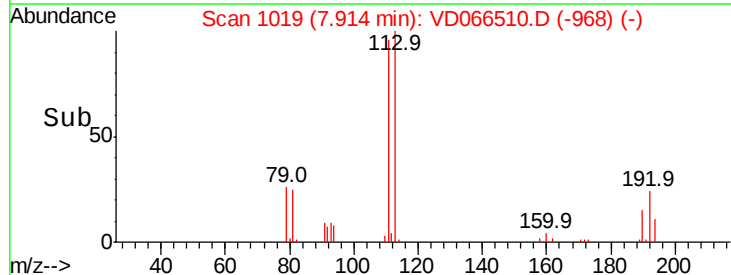
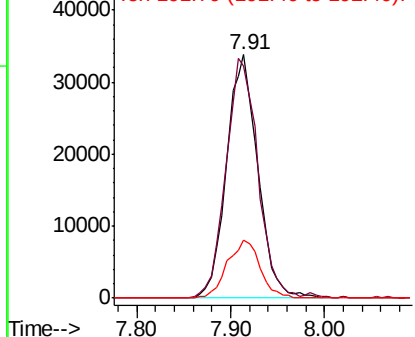


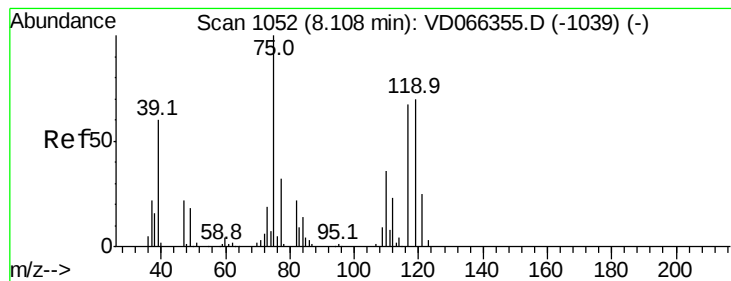
#35
 Dibromofluoromethane
 Concen: 50.936 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066510.D
 Acq: 01 Sep 2020 21:42

Tgt Ion:113 Resp: 77836
 Ion Ratio Lower Upper
 113 100
 111 100.8 80.3 120.5
 192 24.9 19.0 28.6



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: 4.899 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066510.D

Acq: 01 Sep 2020 21:42

Instrument :

MSVOA_D

ClientSampled :

228

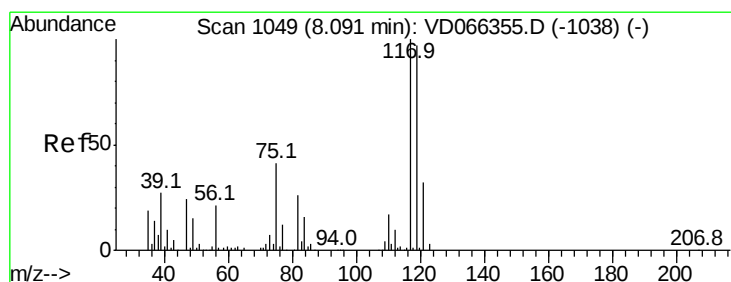
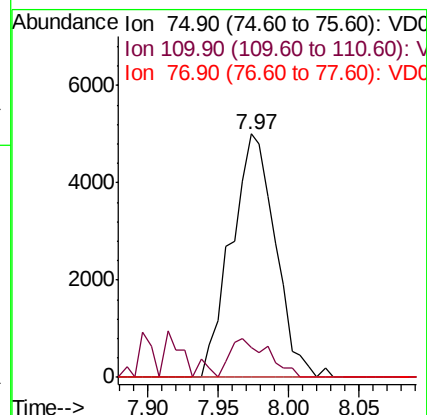
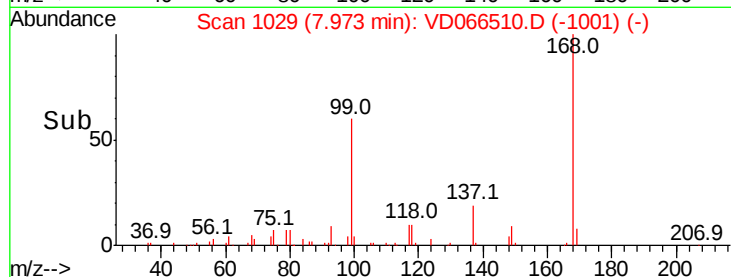
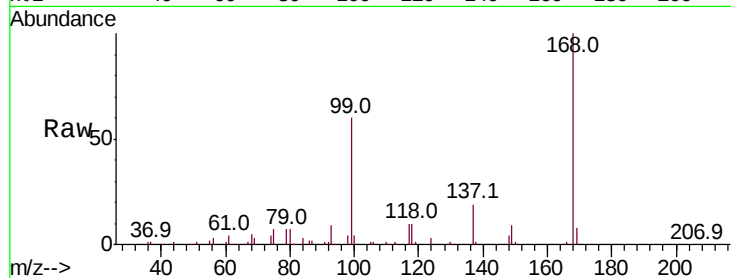
Tot Ion: 75 Resp: 10923

Ion Ratio Lower Upper

75 100

110 13.8 18.7 56.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.741 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.12 min

Lab File: VD066510.D

Acq: 01 Sep 2020 21:42

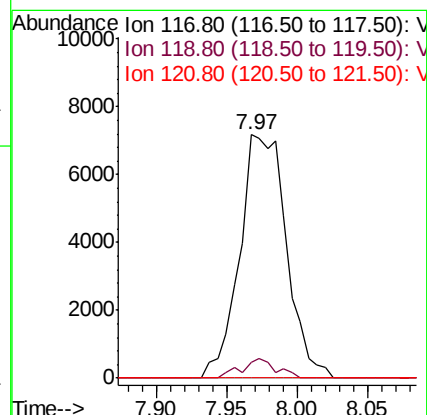
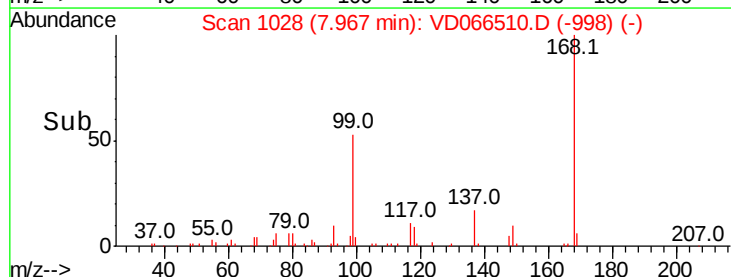
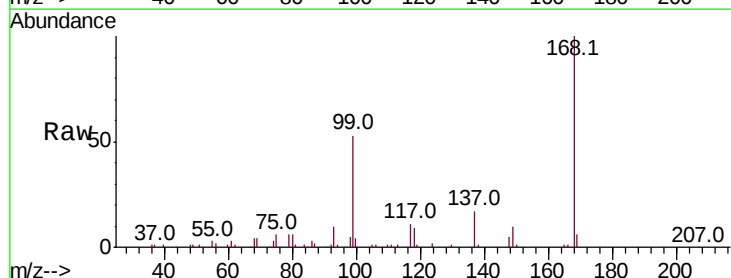
Tgt Ion: 117 Resp: 16677

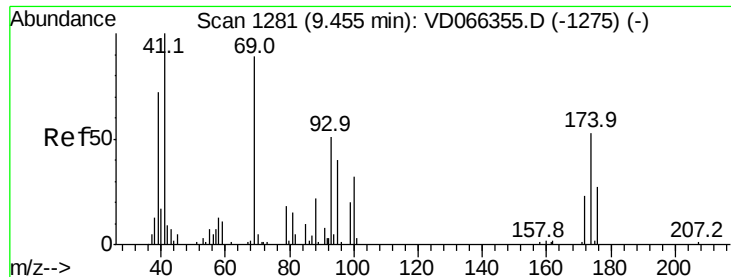
Ion Ratio Lower Upper

117 100

119 6.2 77.2 115.8#

121 0.0 25.8 38.8#





#48

Methyl methacrylate

Concen: 1.880 ug/l

RT: 9.24 min Scan# 1244

Delta R.T. -0.22 min

Lab File: VD066510.D

Acq: 01 Sep 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
228

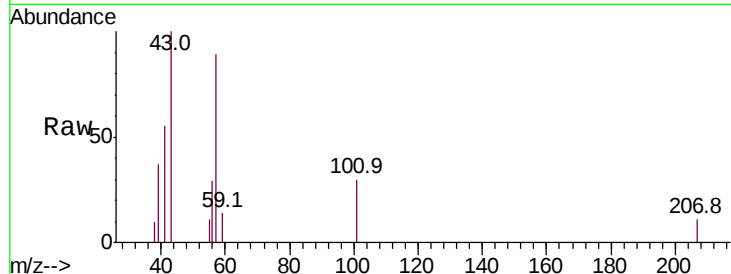
Tot Ion: 41 Resp: 1476

Ion Ratio Lower Upper

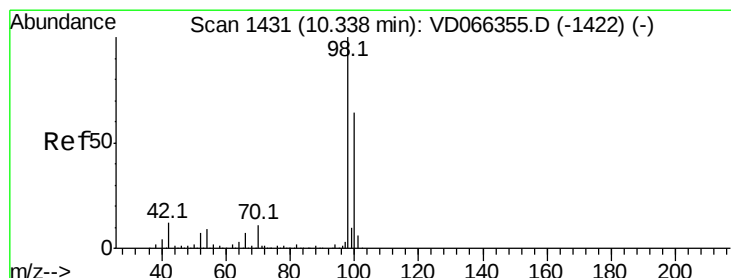
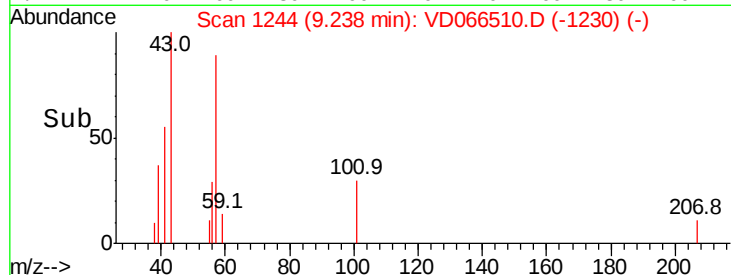
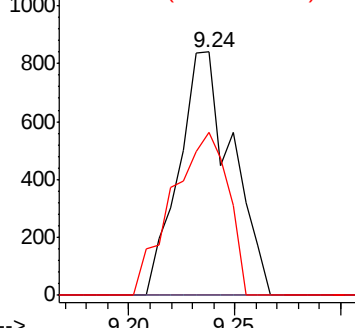
41 100

69 0.0 75.5 113.3#

39 70.5 57.0 85.4



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC



#50

Toluene-d8

Concen: 48.932 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066510.D

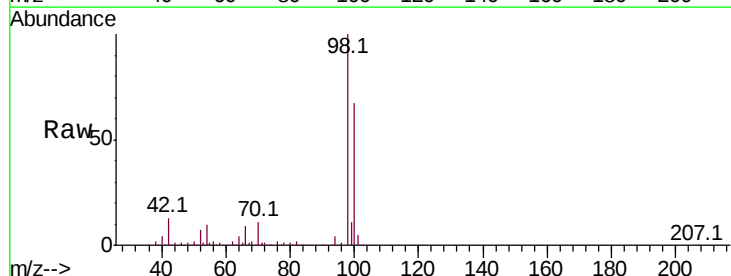
Acq: 01 Sep 2020 21:42

Tgt Ion: 98 Resp: 273583

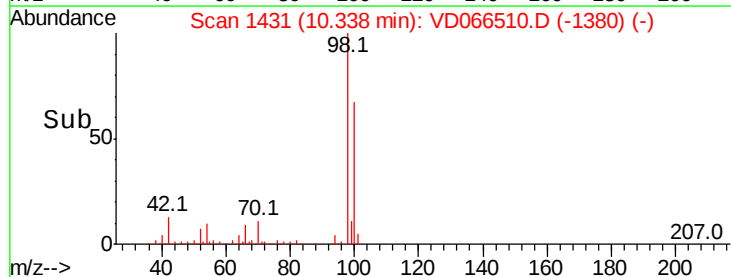
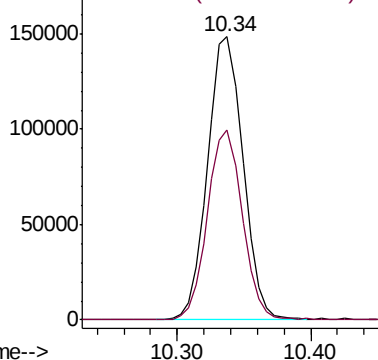
Ion Ratio Lower Upper

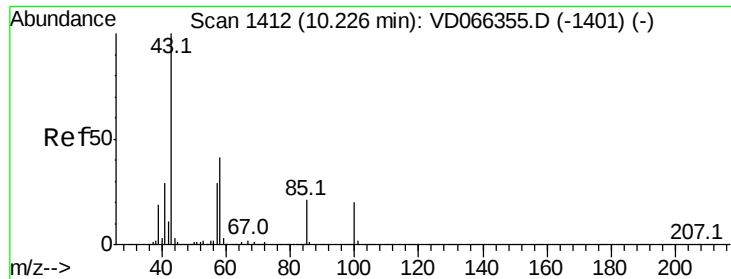
98 100

100 66.2 53.0 79.4



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: 1.903 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066510.D

Acq: 01 Sep 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

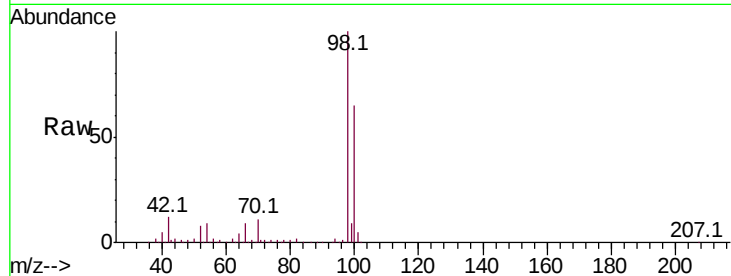
228

Tot Ion: 43 Resp: 1401

Ion Ratio Lower Upper

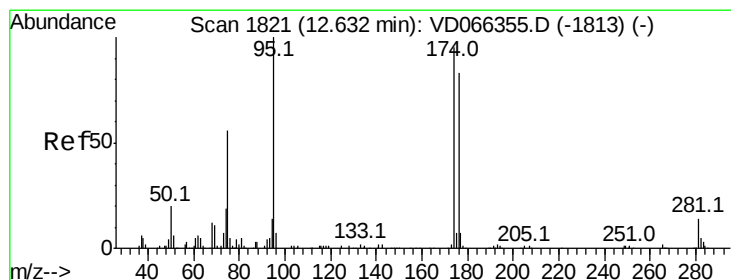
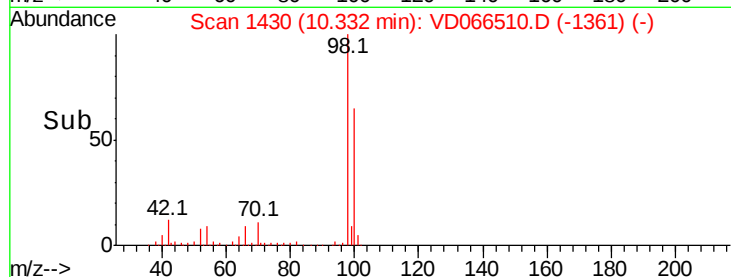
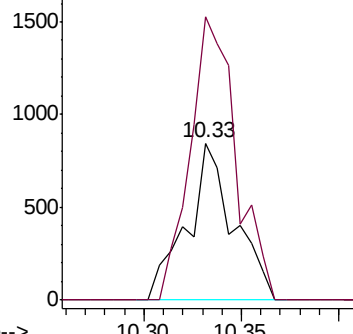
43 100

58 177.7 31.4 47.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 43.023 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD066510.D

Acq: 01 Sep 2020 21:42

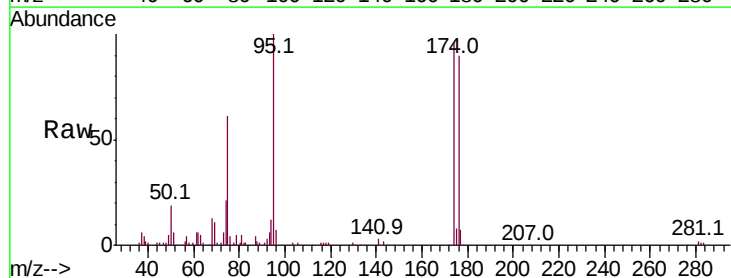
Tgt Ion: 95 Resp: 85357

Ion Ratio Lower Upper

95 100

174 97.5 0.0 183.4

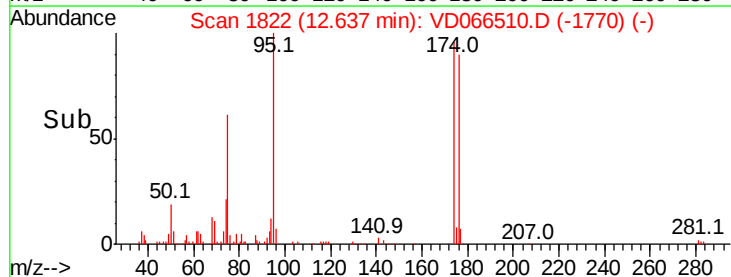
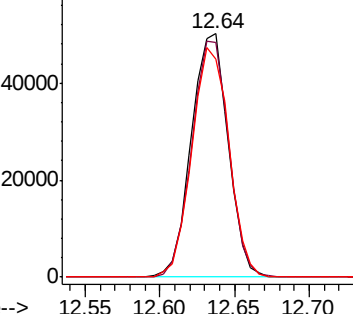
176 95.3 0.0 173.8

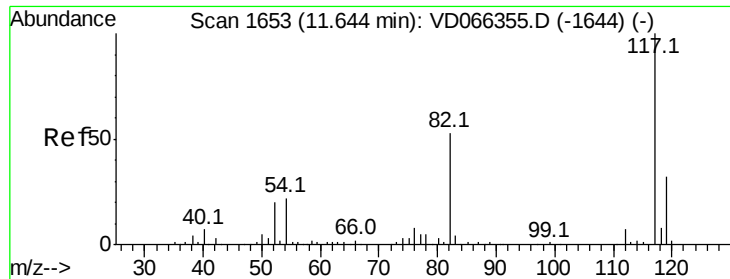


Abundance Ion 94.90 (94.60 to 95.60): VDC

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: VD066510.D

Acq: 01 Sep 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

228

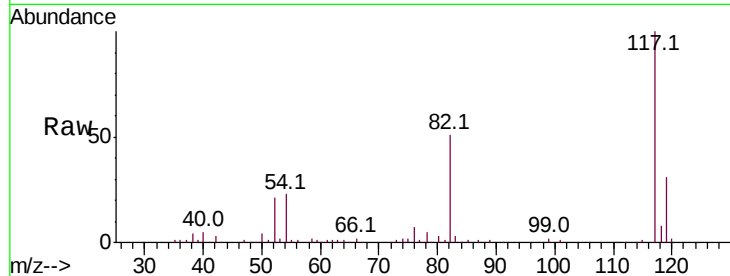
Tot Ion:117 Resp: 211588

Ion Ratio Lower Upper

117 100

82 51.3 42.8 64.2

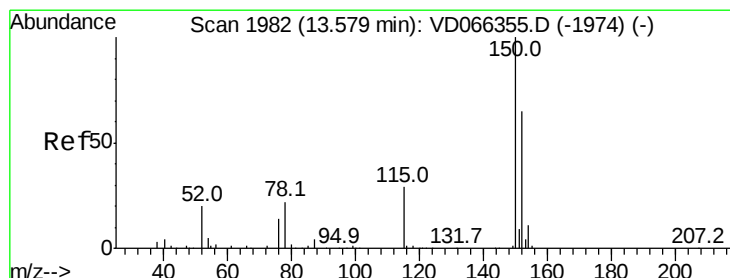
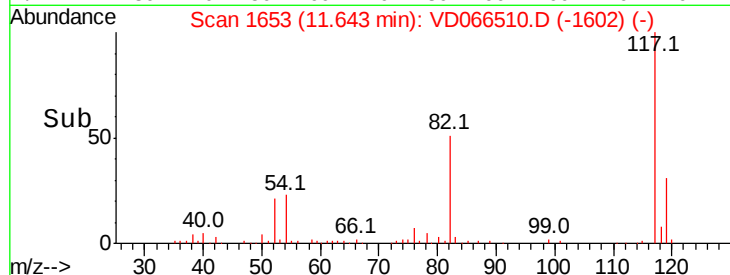
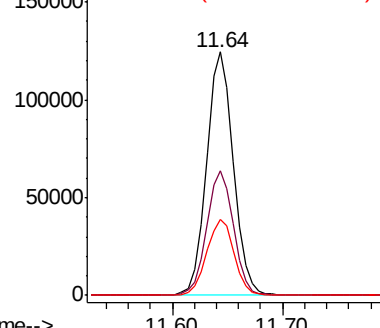
119 31.3 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VD

Ion 118.90 (118.60 to 119.60): 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: VD066510.D

Acq: 01 Sep 2020 21:42

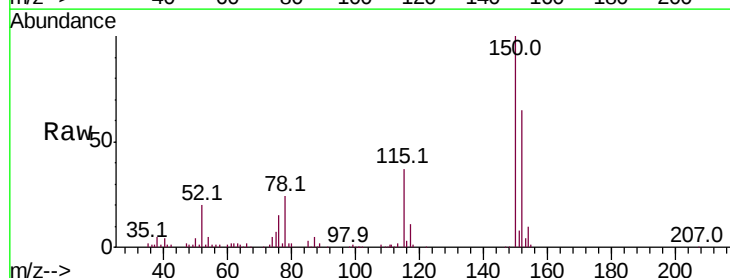
Tgt Ion:152 Resp: 84637

Ion Ratio Lower Upper

152 100

115 58.2 28.3 85.0

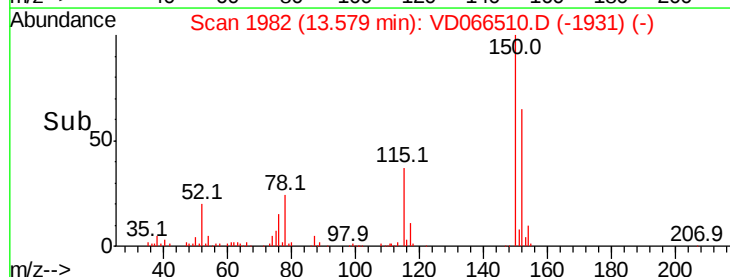
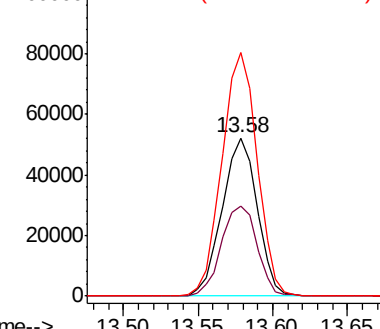
150 154.6 0.0 343.2

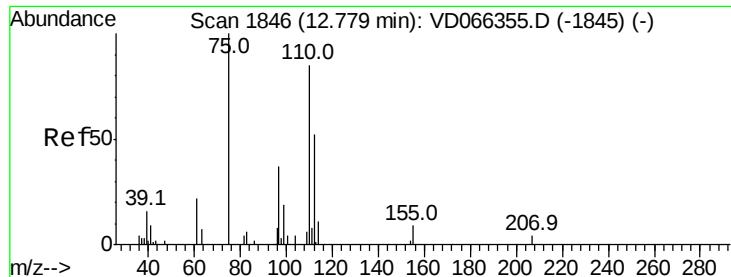


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 85.668 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.14 min

Lab File: VD066510.D

Acq: 01 Sep 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

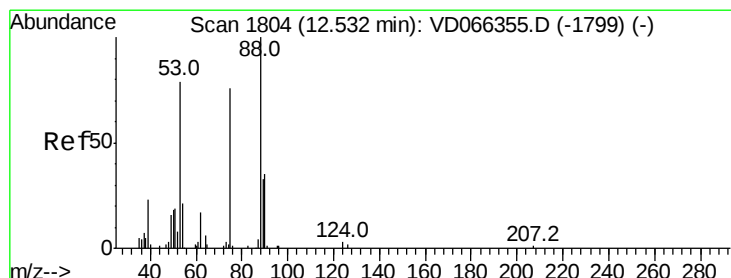
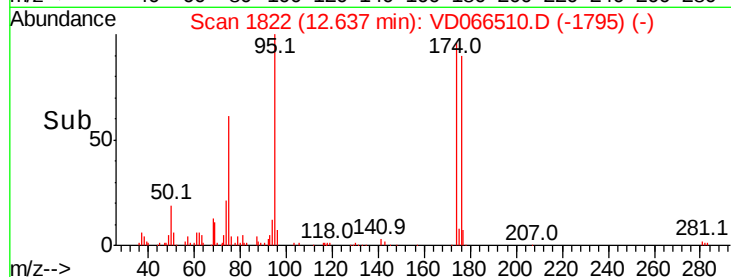
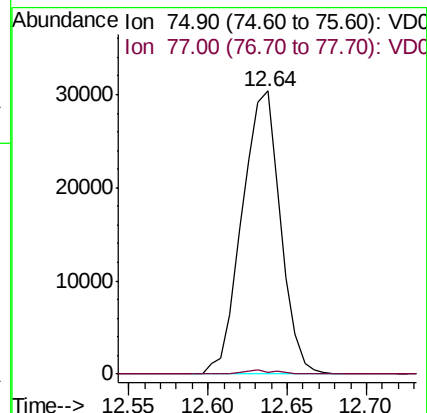
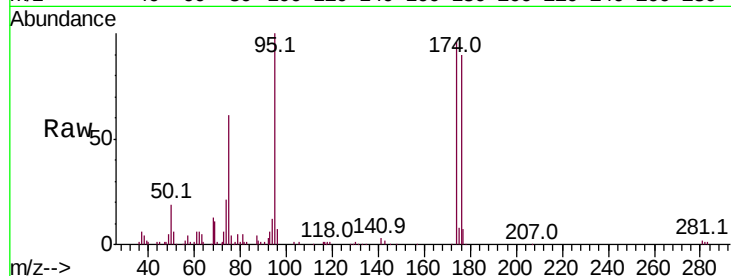
228

Tot Ion: 75 Resp: 51009

Ion Ratio Lower Upper

75 100

77 1.1 182.9 548.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 181.846 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066510.D

Acq: 01 Sep 2020 21:42

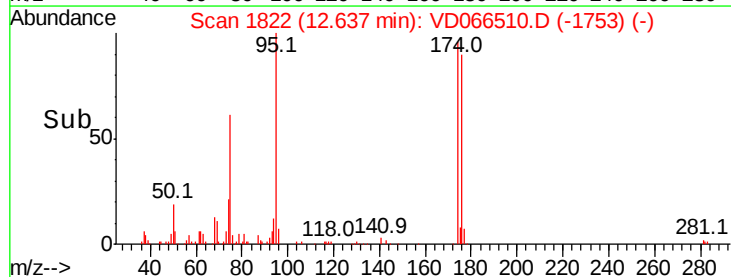
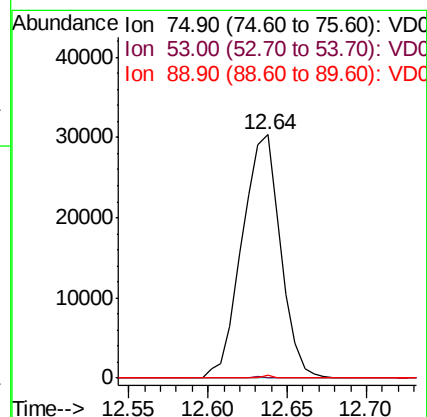
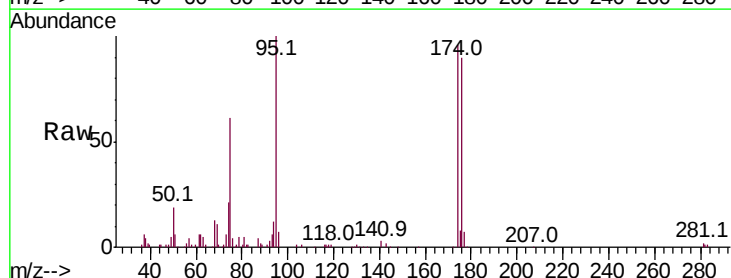
Tgt Ion: 75 Resp: 51009

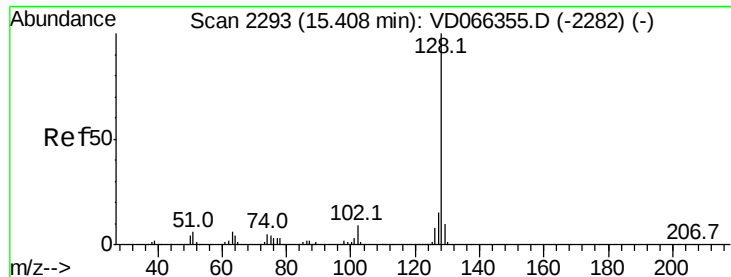
Ion Ratio Lower Upper

75 100

53 0.2 87.4 131.2#

89 0.2 39.4 59.0#

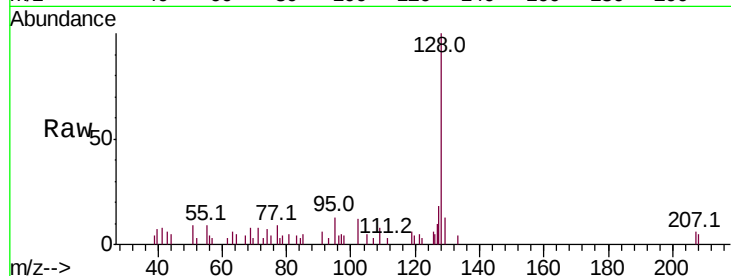




#95
Naphthalene
Concen: 3.581 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066510.D
Acq: 01 Sep 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
228

Tot Ion	Ratio	Lower	Upper
128	100		
127	19.8	10.7	16.1#
129	11.3	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

