

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080720\
 Data File : VD066154.D
 Acq On : 07 Aug 2020 13:34
 Operator : VA/SY
 Sample : L3508-01
 Misc : 5.42G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-080620

Quant Time: Aug 08 00:39:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	237219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	424378	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	469243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	228539	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	122651	57.95	ug/l	0.00
Spiked Amount			Recovery	=	115.90%	
35) Dibromofluoromethane	7.91	113	133403	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
50) Toluene-d8	10.34	98	528521	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.64	95	231879	64.84	ug/l	0.00
Spiked Amount			Recovery	=	129.68%	

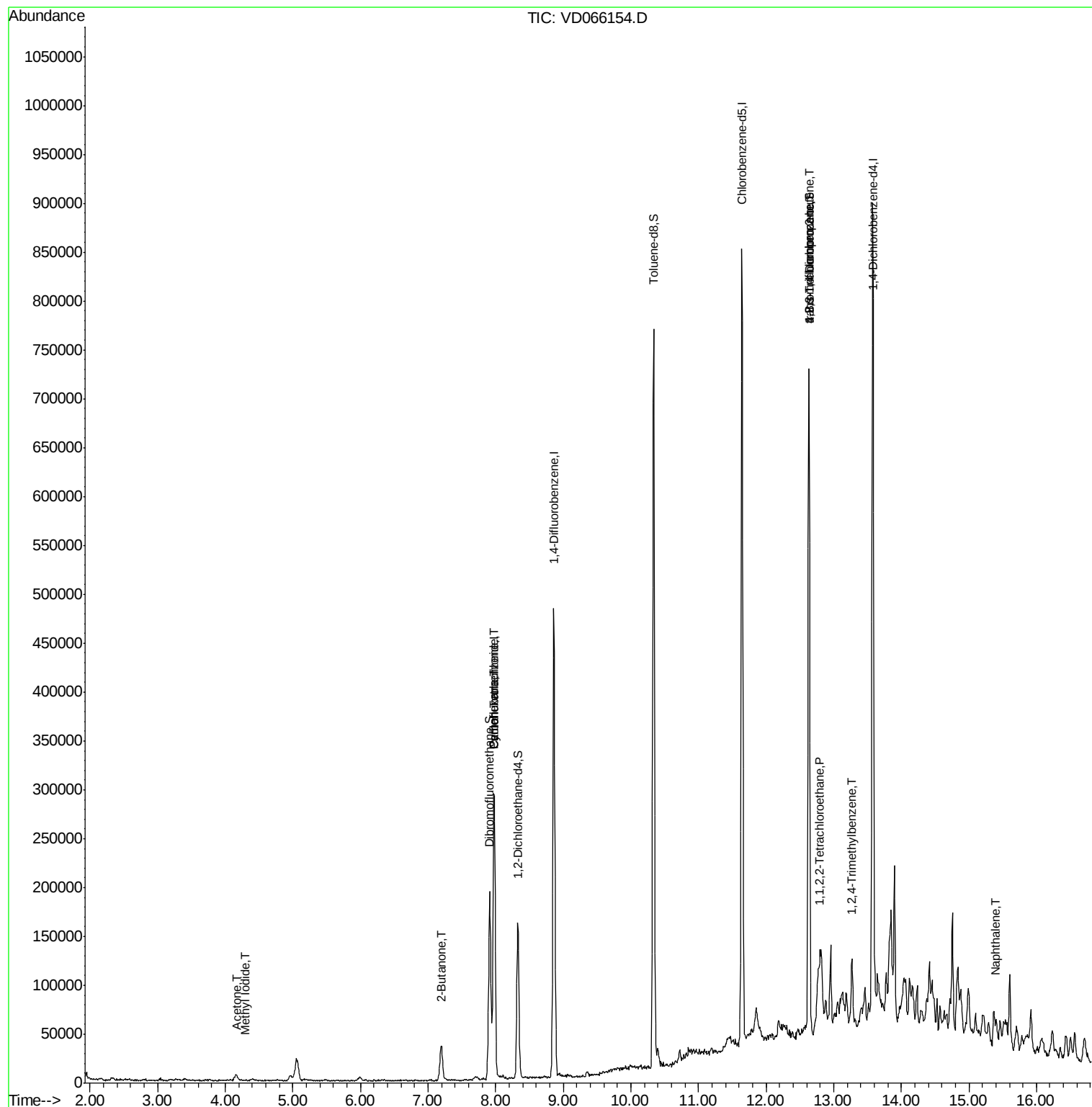
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	121	6.763	ug/l #	36
11) Tert butyl alcohol	5.21	59	821	Below Cal	#	76
16) Acetone	4.17	43	11489	28.611	ug/l	95
20) Methylene Chloride	4.97	84	3998	Below Cal	#	76
25) 2-Butanone	7.20	43	2906	4.920	ug/l #	89
31) Cyclohexane	7.97	56	5239	1.413	ug/l #	22
38) Carbon Tetrachloride	7.97	117	21985	4.944	ug/l #	13
75) 1,1,2,2-Tetrachloroethane	12.80	83	23745	9.128	ug/l #	29
76) 1,2,3-Trichloropropane	12.63	75	111859	58.692	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	111859	129.743	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.27	105	37157	2.910	ug/l	94
95) Naphthalene	15.41	128	19166	2.445	ug/l #	94

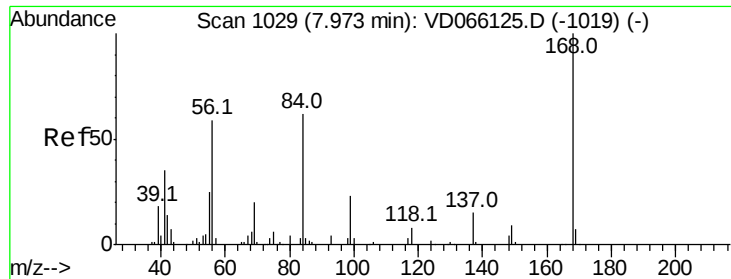
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080720\
Data File : VD066154.D
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Operator : VA/SY
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Quant Time: Aug 08 00:39:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066154.D

Acq: 07 Aug 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

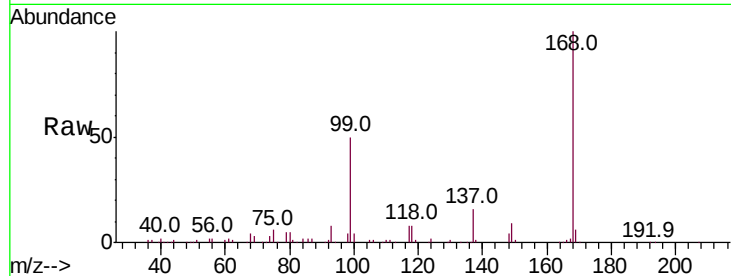
TR-04-080620

Tot Ion:168 Resp: 237219

Ion Ratio Lower Upper

168 100

99 49.6 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

120000

100000

80000

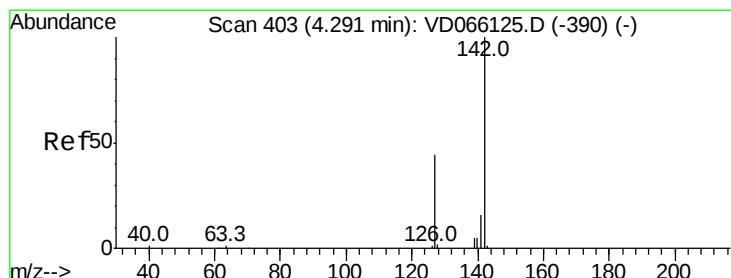
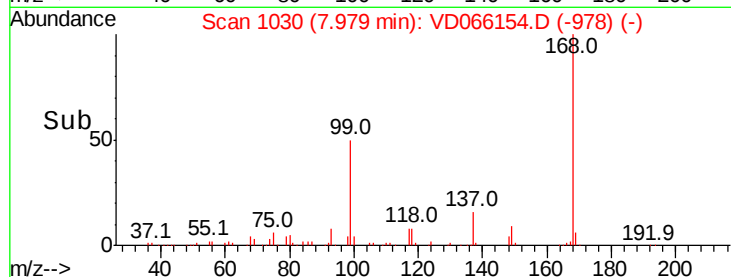
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 6.763 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066154.D

Acq: 07 Aug 2020 13:34

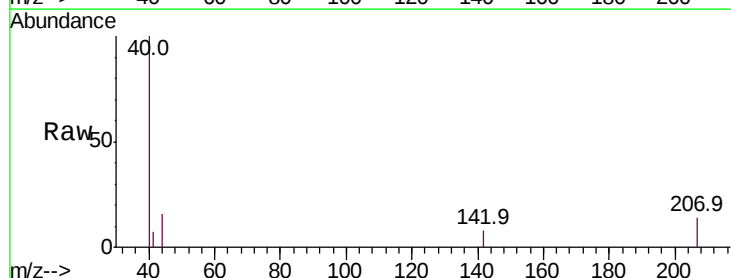
Tgt Ion:142 Resp: 121

Ion Ratio Lower Upper

142 100

127 93.4 36.2 54.4#

141 0.0 12.6 18.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

400

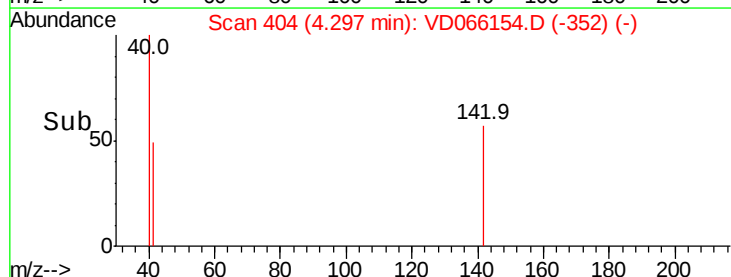
300

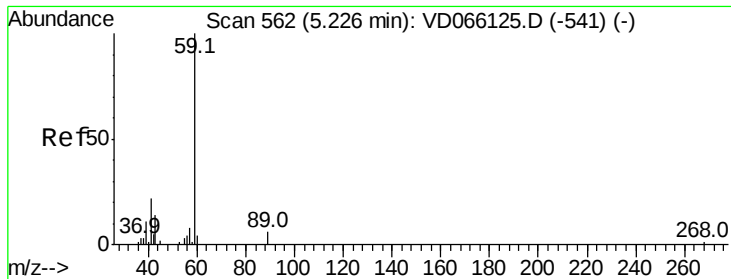
200

100

0

Time-->



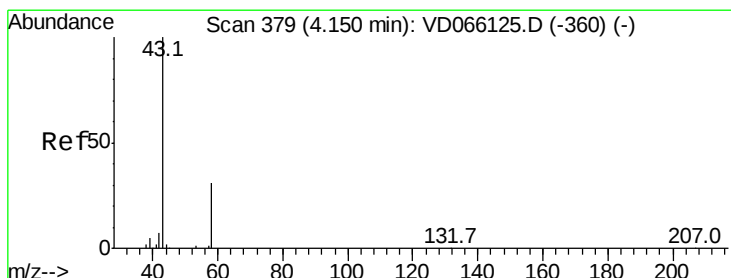
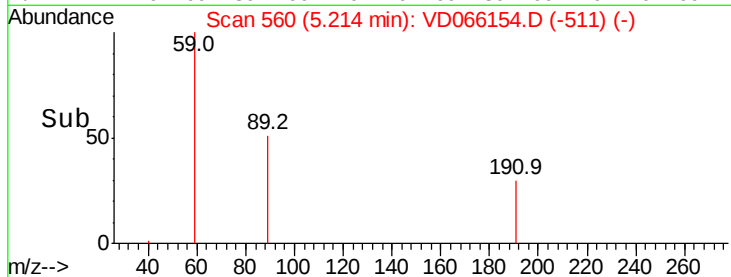
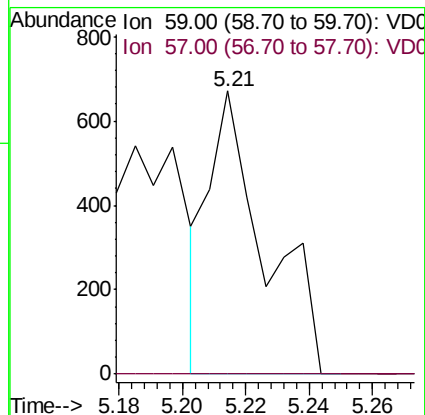
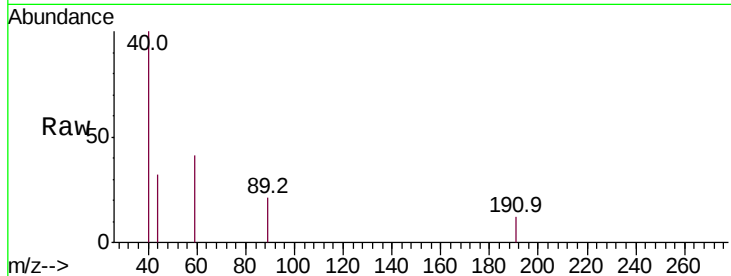


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066154.D
 Acq: 07 Aug 2020 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-080620

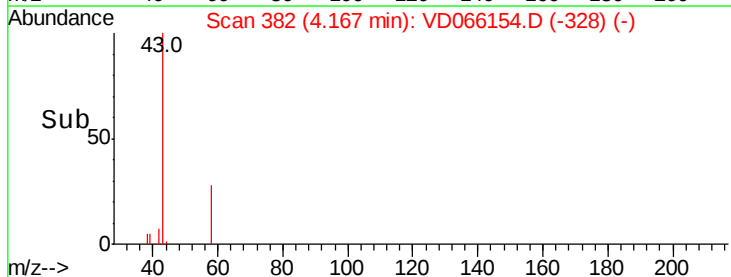
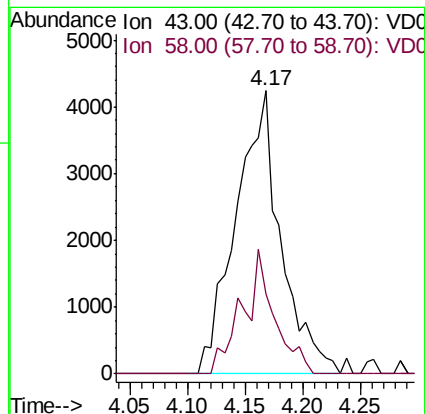
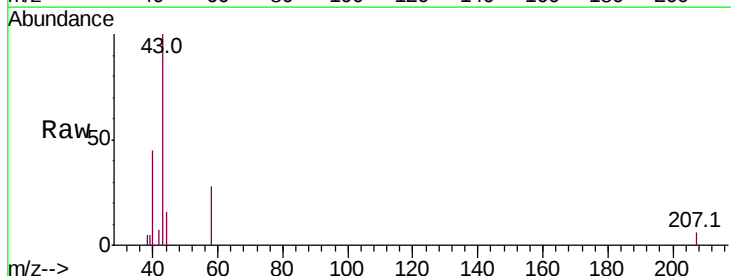
Tot Ion: 59 Resp: 821
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

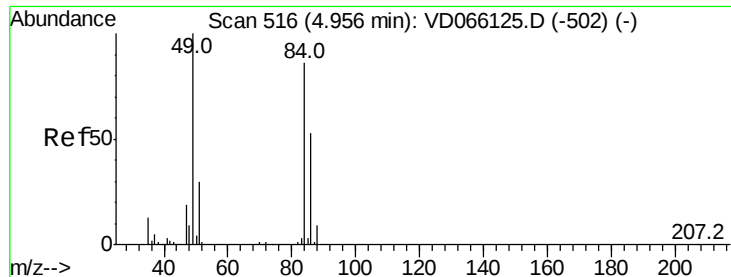


#16

Acetone
 Concen: 28.611 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.02 min
 Lab File: VD066154.D
 Acq: 07 Aug 2020 13:34

Tgt Ion: 43 Resp: 11489
 Ion Ratio Lower Upper
 43 100
 58 28.4 24.7 37.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066154.D

Acq: 07 Aug 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

TR-04-080620

Tot Ion: 84 Resp: 3998

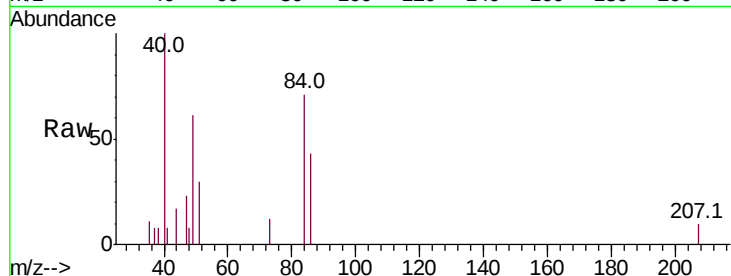
Ion Ratio Lower Upper

84 100

49 73.9 93.5 140.3#

51 42.0 28.2 42.4

86 60.6 49.5 74.3

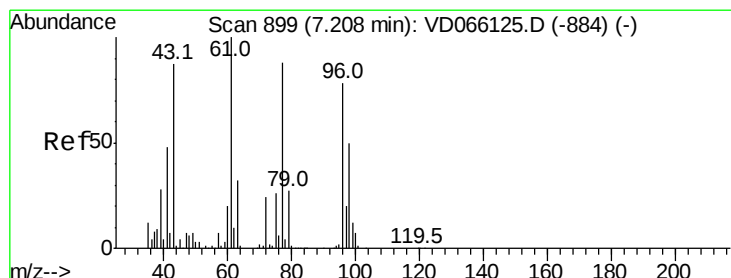
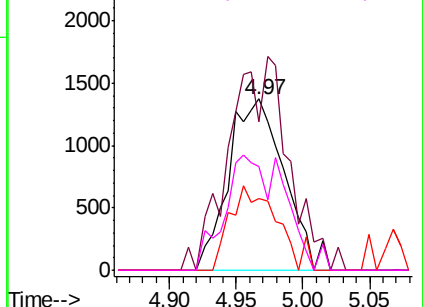
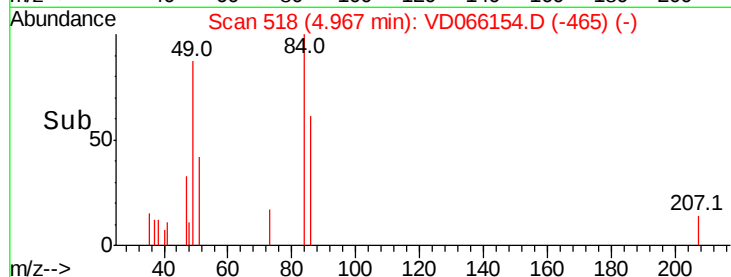


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#25

2-Butanone

Concen: 4.920 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066154.D

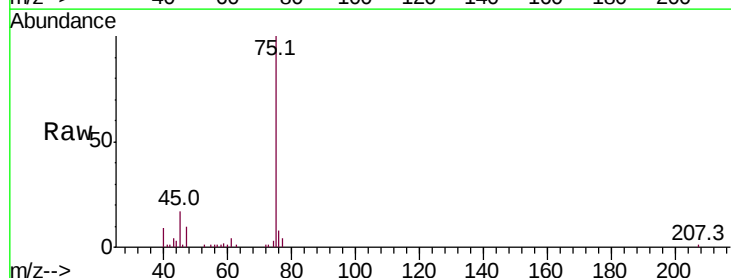
Acq: 07 Aug 2020 13:34

Tgt Ion: 43 Resp: 2906

Ion Ratio Lower Upper

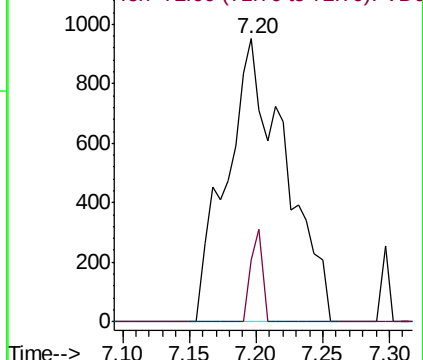
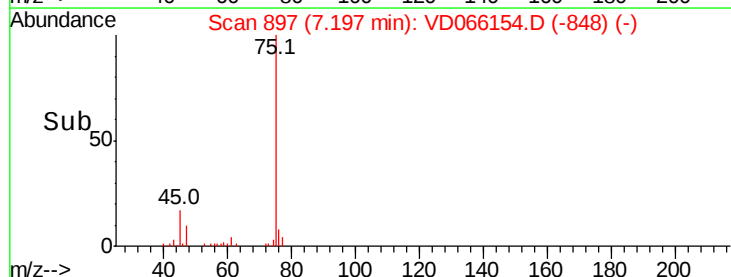
43 100

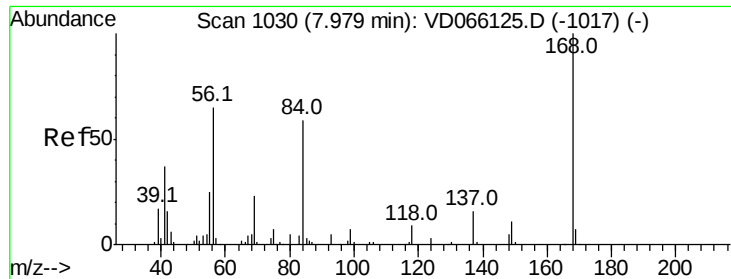
72 22.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

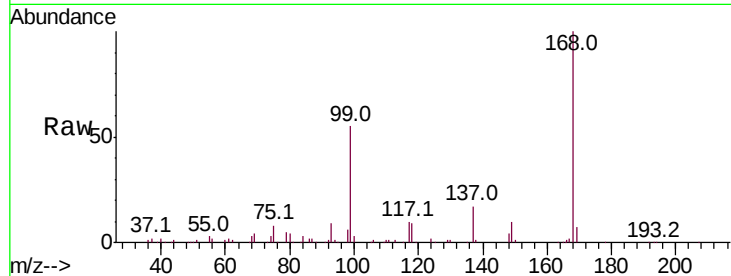




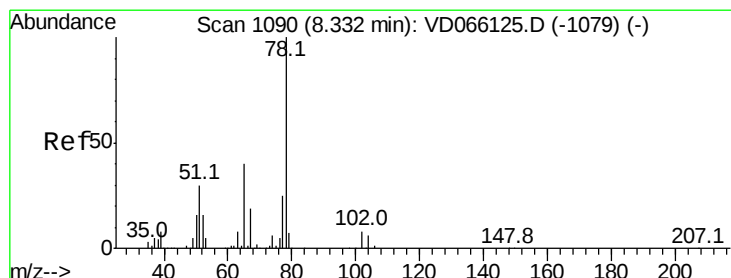
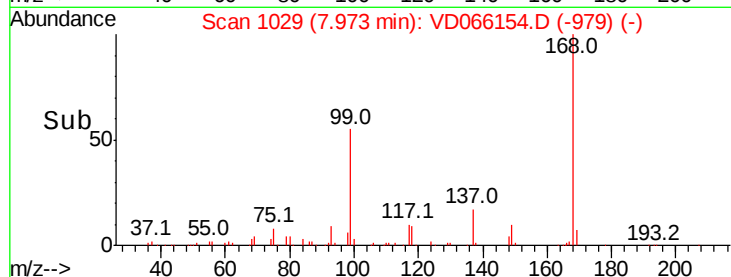
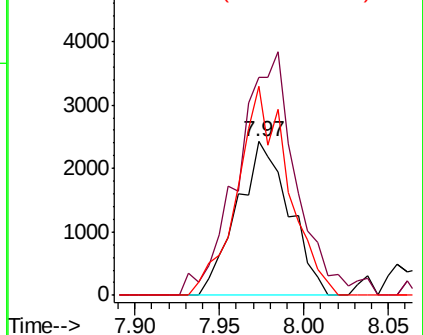
#31
Cyclohexane
Concen: 1.413 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066154.D
Acq: 07 Aug 2020 13:34

Instrument :
MSVOA_D
ClientSampleId :
TR-04-080620

Tot Ion: 56 Resp: 5239
Ion Ratio Lower Upper
56 100
69 128.4 28.8 43.2#
84 136.3 73.0 109.6#

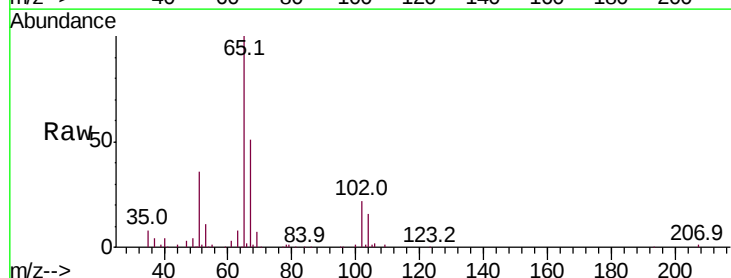


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

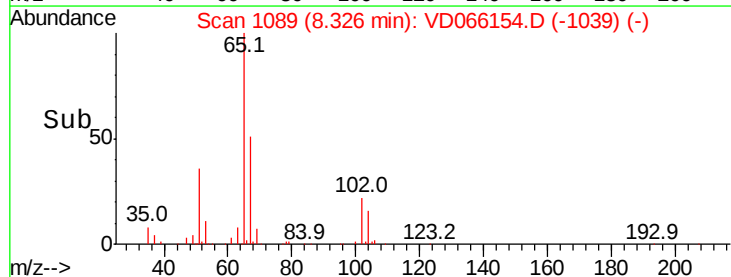
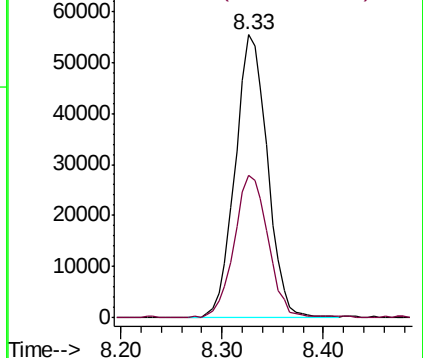


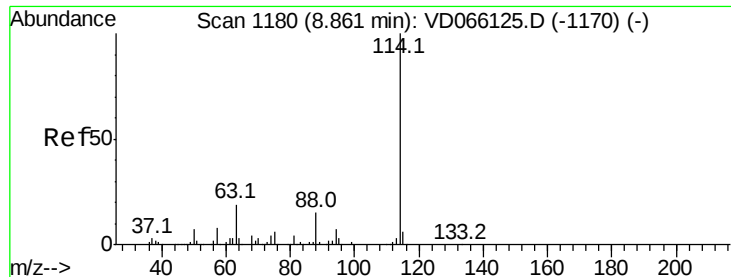
#33
1,2-Dichloroethane-d4
Concen: 57.954 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066154.D
Acq: 07 Aug 2020 13:34

Tgt Ion: 65 Resp: 122651
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066154.D

Acq: 07 Aug 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

TR-04-080620

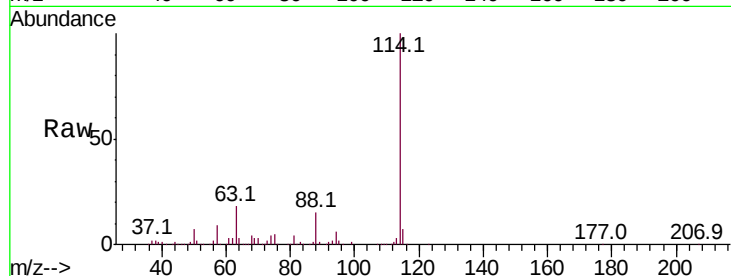
Tot Ion:114 Resp: 424378

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.6

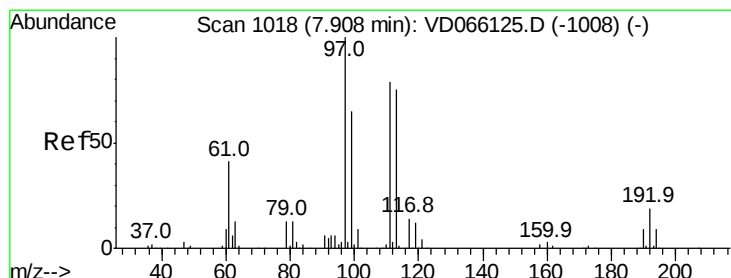
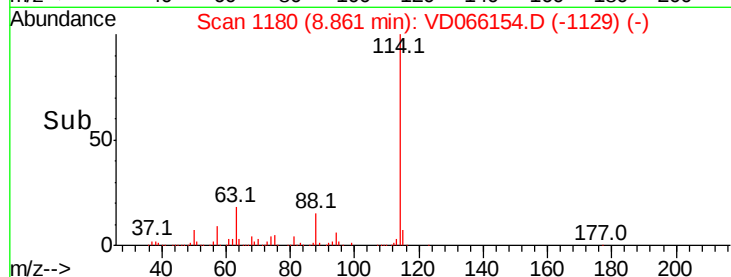
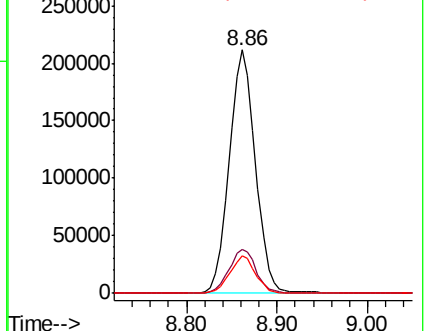
88 15.2 0.0 30.0



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: 49.622 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066154.D

Acq: 07 Aug 2020 13:34

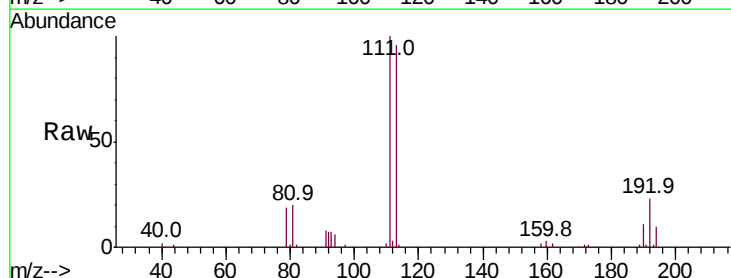
Tgt Ion:113 Resp: 133403

Ion Ratio Lower Upper

113 100

111 102.7 80.7 121.1

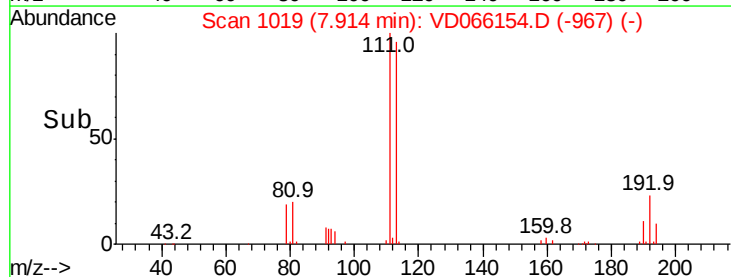
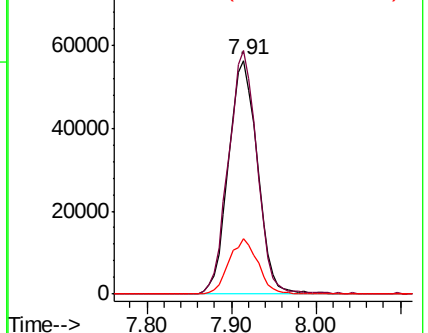
192 23.4 18.4 27.6

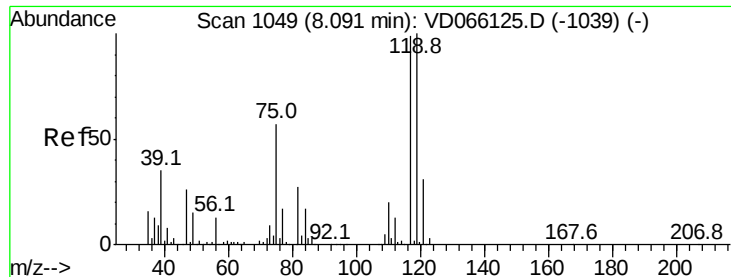


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

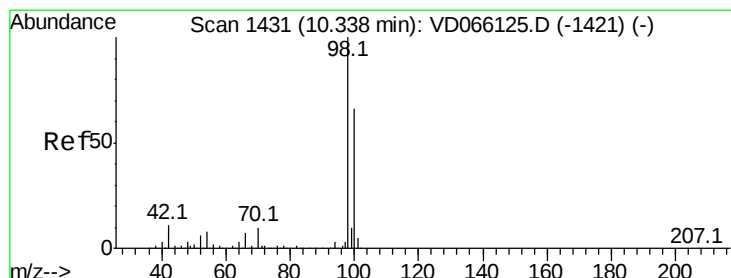
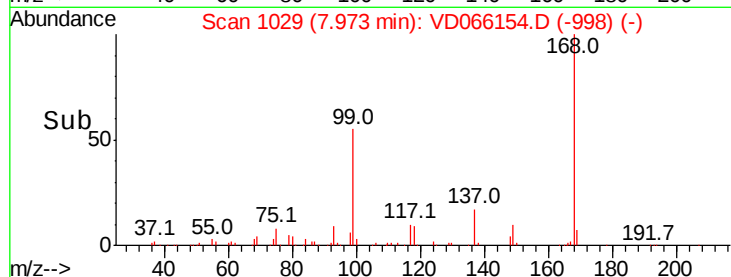
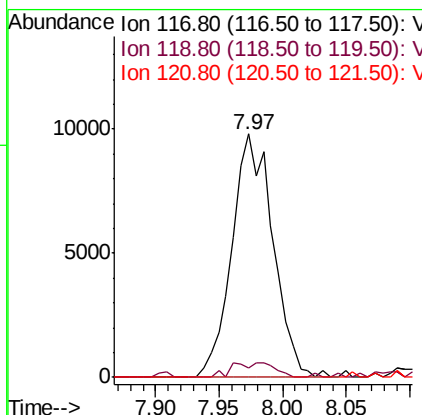
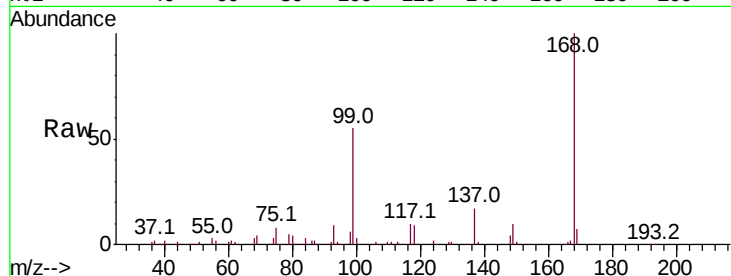




#38
Carbon Tetrachloride
Concen: 4.944 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066154.D
Acq: 07 Aug 2020 13:34

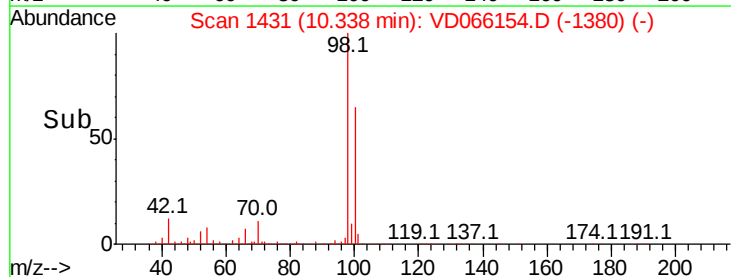
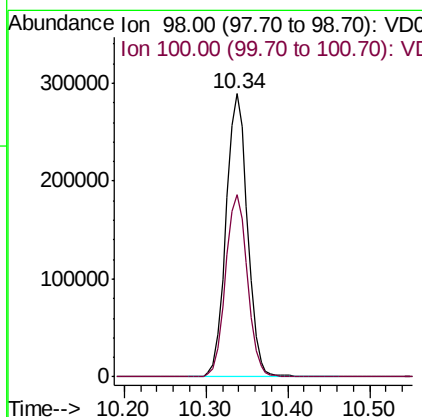
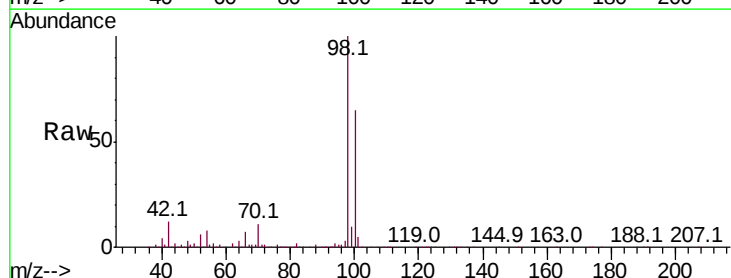
Instrument :
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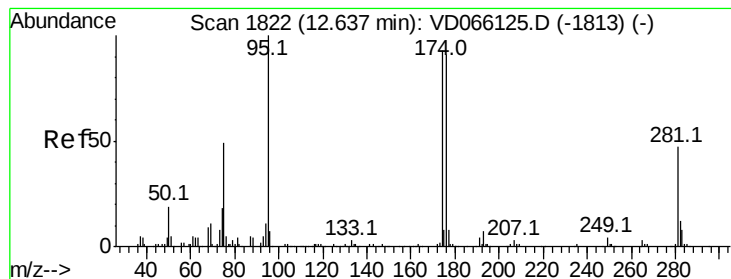
Tot Ion:117 Resp: 21985
Ion Ratio Lower Upper
117 100
119 3.7 81.0 121.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.274 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066154.D
Acq: 07 Aug 2020 13:34

Tgt Ion: 98 Resp: 528521
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 64.842 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066154.D

Acq: 07 Aug 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

TR-04-080620

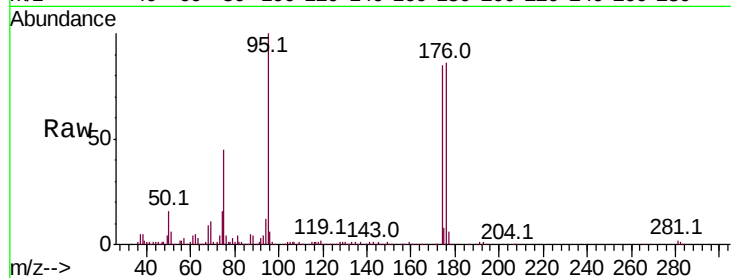
Tot Ion: 95 Resp: 231879

Ion Ratio Lower Upper

95 100

174 88.5 0.0 180.8

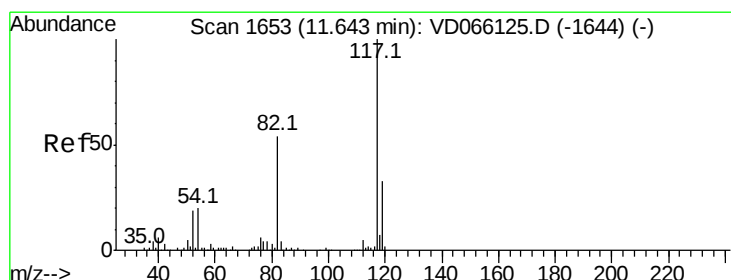
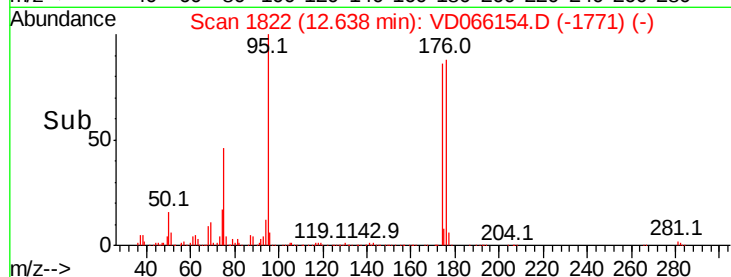
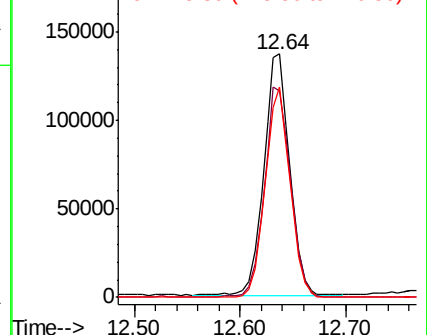
176 83.6 0.0 181.2



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: VD066154.D

Acq: 07 Aug 2020 13:34

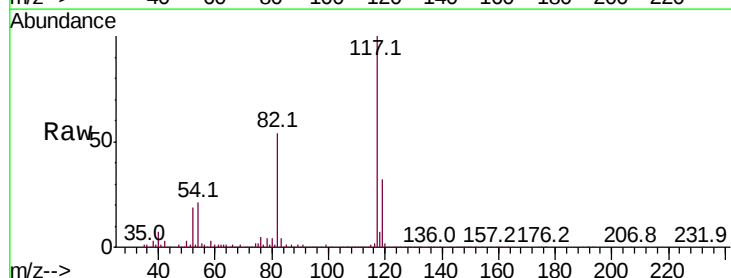
Tgt Ion: 117 Resp: 469243

Ion Ratio Lower Upper

117 100

82 54.1 43.0 64.4

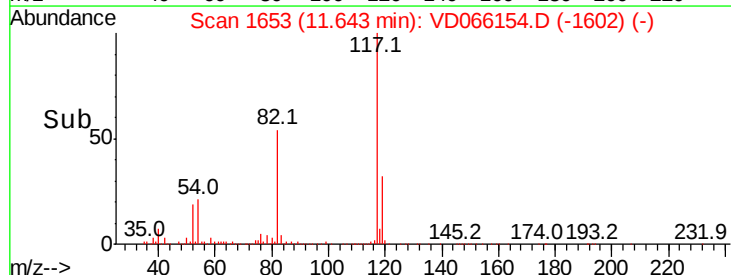
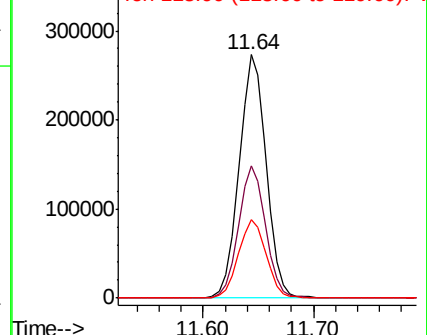
119 32.2 26.1 39.1

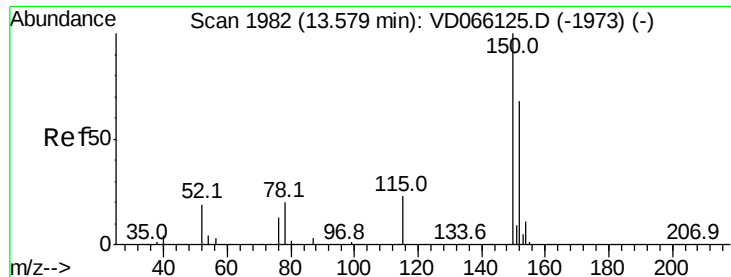


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066154.D

Acq: 07 Aug 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

TR-04-080620

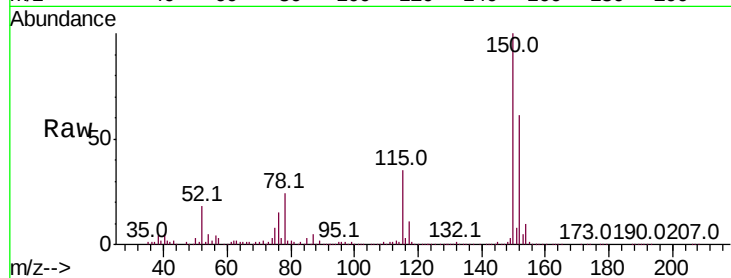
Tot Ion:152 Resp: 228539

Ion Ratio Lower Upper

152 100

115 57.2 28.0 83.9

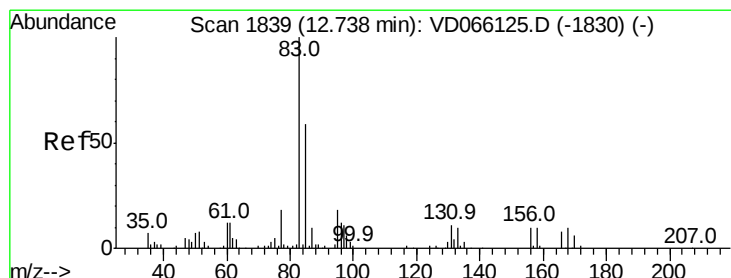
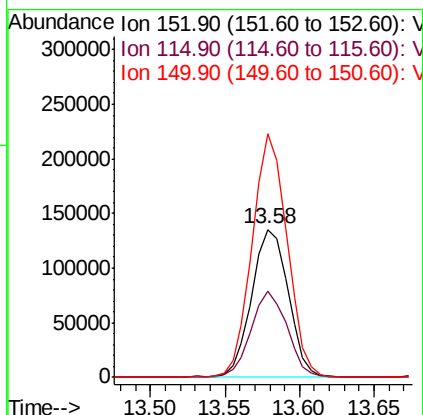
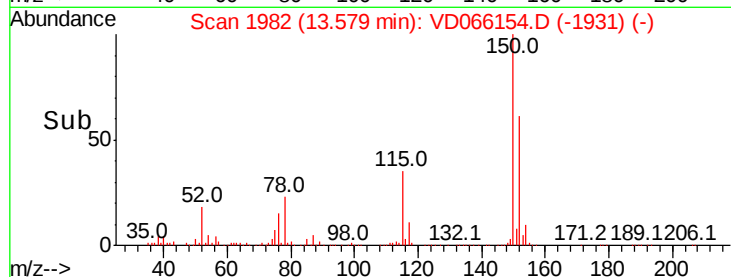
150 158.1 0.0 346.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: 9.128 ug/l

RT: 12.80 min Scan# 1849

Delta R.T. 0.06 min

Lab File: VD066154.D

Acq: 07 Aug 2020 13:34

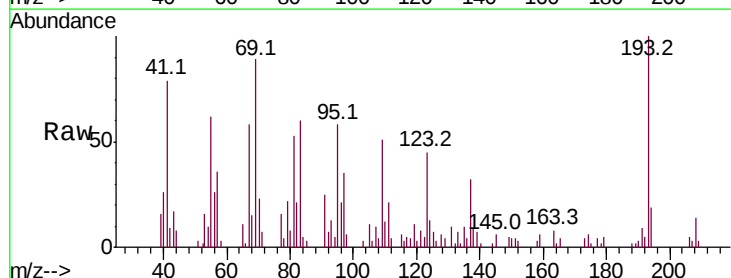
Tgt Ion: 83 Resp: 23745

Ion Ratio Lower Upper

83 100

131 4.7 6.2 18.6#

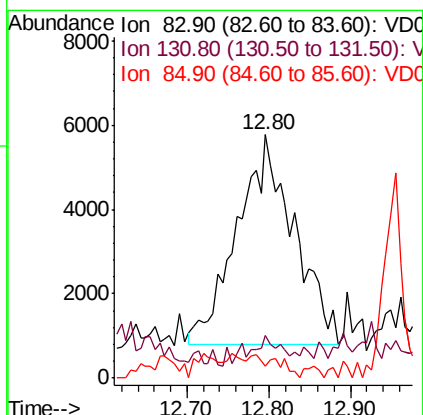
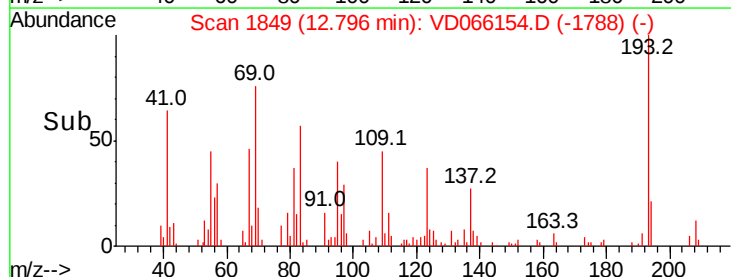
85 1.0 32.4 97.2#

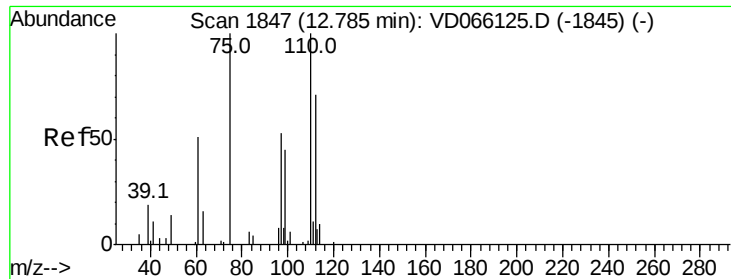


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 58.692 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066154.D

Acq: 07 Aug 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

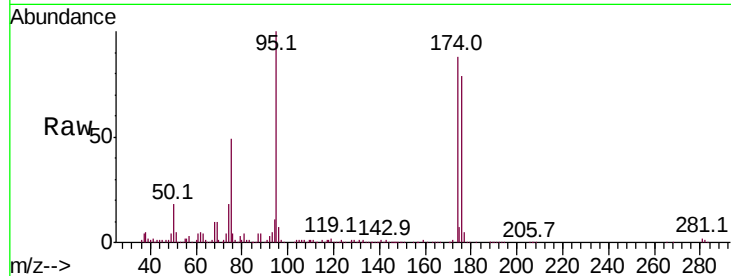
TR-04-080620

Tot Ion: 75 Resp: 111859

Ion Ratio Lower Upper

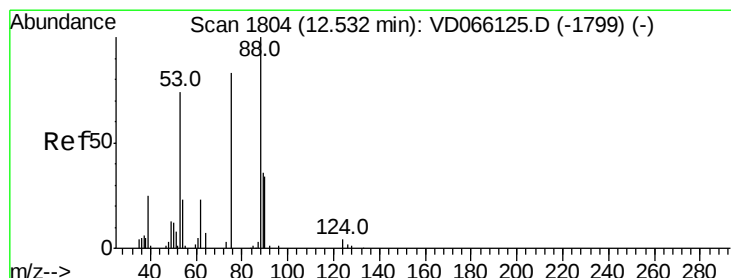
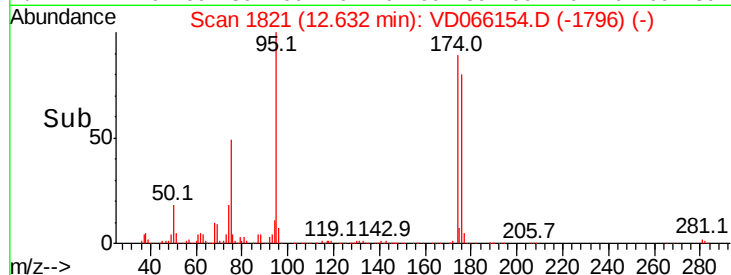
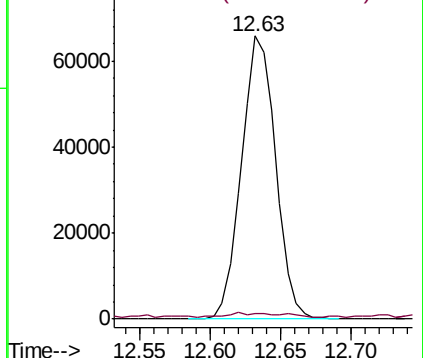
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 129.743 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066154.D

Acq: 07 Aug 2020 13:34

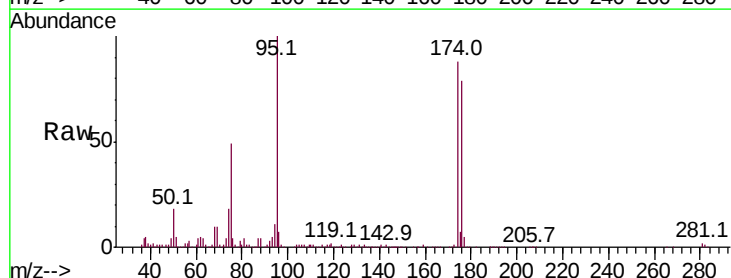
Tgt Ion: 75 Resp: 111859

Ion Ratio Lower Upper

75 100

53 0.3 73.4 110.2#

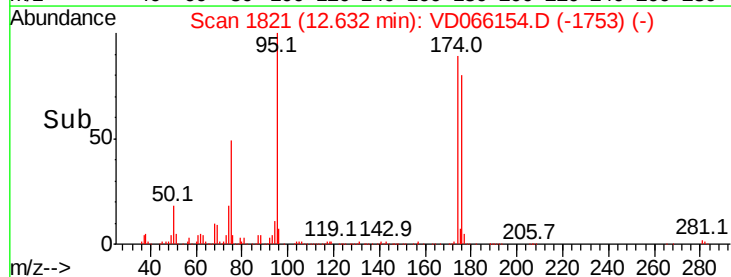
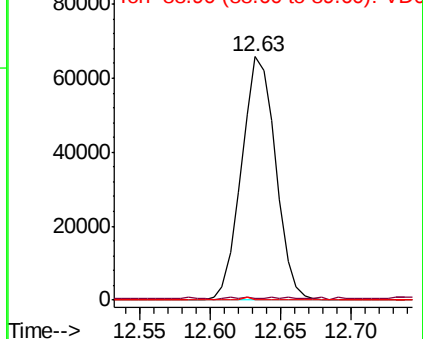
89 0.6 36.6 55.0#

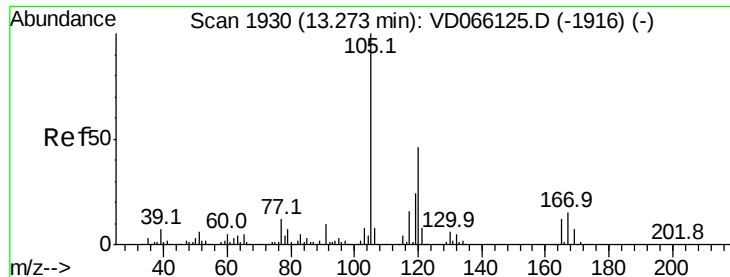


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#84

1,2,4-Trimethylbenzene

Concen: 2.910 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD066154.D

Acq: 07 Aug 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

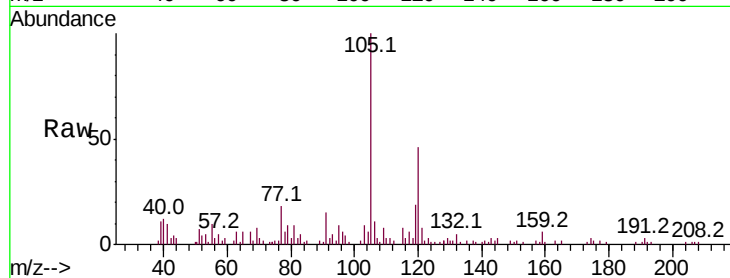
TR-04-080620

Tot Ion:105 Resp: 37157

Ion Ratio Lower Upper

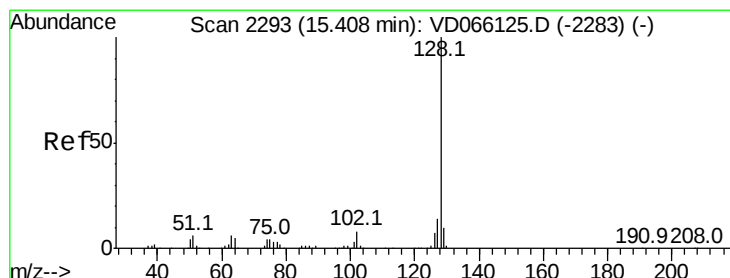
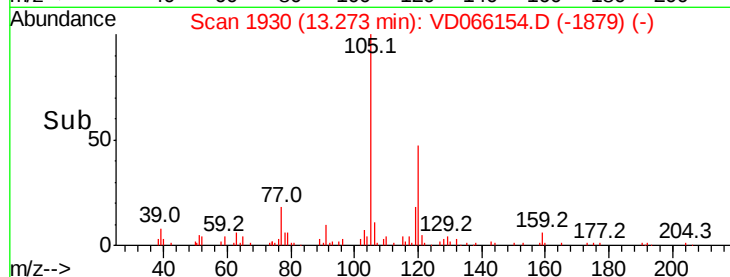
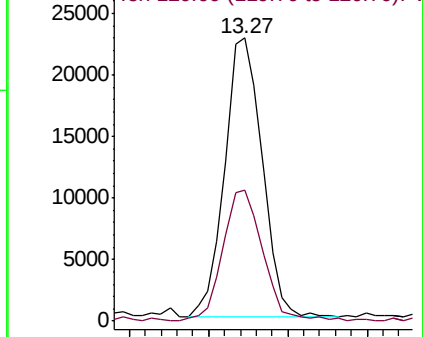
105 100

120 50.4 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 2.445 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066154.D

Acq: 07 Aug 2020 13:34

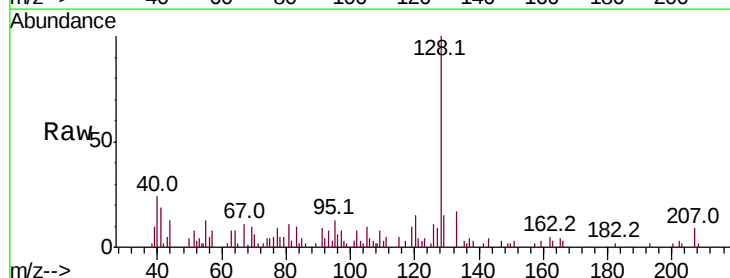
Tgt Ion:128 Resp: 19166

Ion Ratio Lower Upper

128 100

127 17.4 11.0 16.4#

129 10.6 8.8 13.2



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

