

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066636.D
 Acq On : 11 Sep 2020 02:39
 Operator : VA/SY
 Sample : L3937-05
 Misc : 6.28G/5.00ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BSY-SB-03-1.0-2.0

Quant Time: Sep 11 03:24:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	354439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	651001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	610330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	254234	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	231267	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	
35) Dibromofluoromethane	7.91	113	224488	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	10.34	98	793444	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.63	95	250894	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	

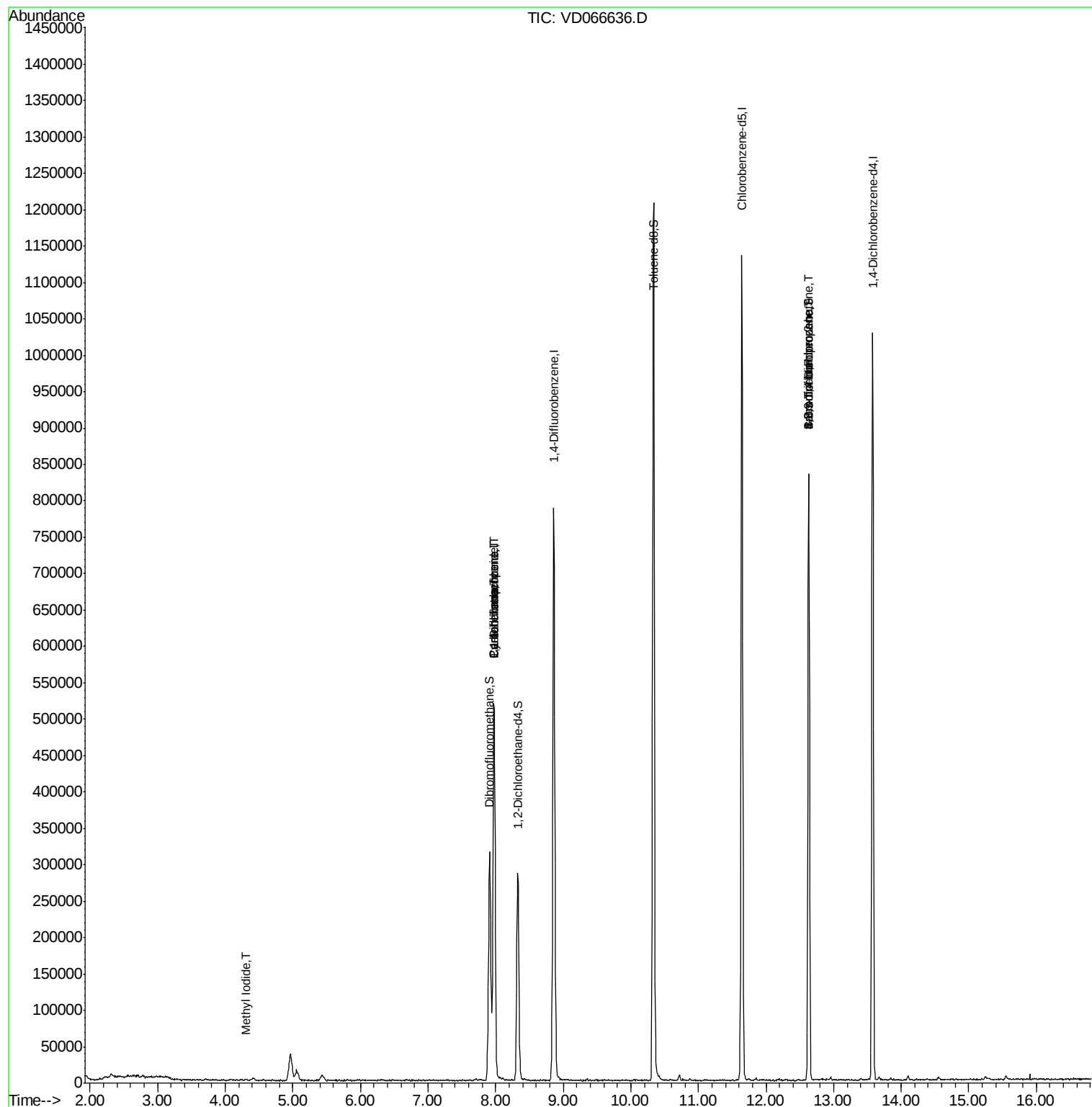
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	626	Below Cal	#	46
5) Bromomethane	2.78	94	2150	Below Cal	#	51
10) Methyl Iodide	4.31	142	1327	4.360	ug/l #	39
11) Tert butyl alcohol	5.17	59	69	Below Cal	#	74
20) Methylene Chloride	4.96	84	26976	Below Cal	#	94
31) Cyclohexane	7.97	56	10820	1.547	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	33571	4.955	ug/l #	50
38) Carbon Tetrachloride	7.98	117	39764	5.553	ug/l #	18
71) Bromoform	12.63	173	2465	1.017	ug/l #	29
76) 1,2,3-Trichloropropane	12.63	75	144442	59.075	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	144442	137.920	ug/l #	7

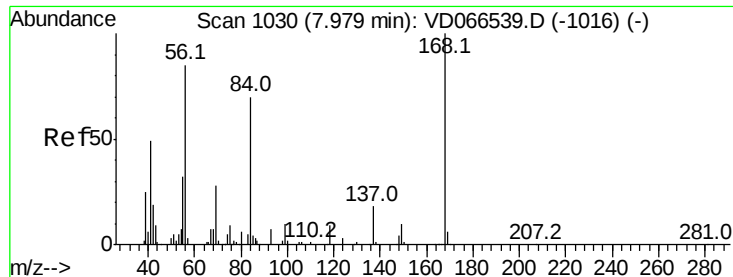
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066636.D

Acq: 11 Sep 2020 02:39

Instrument :

MSVOA_D

ClientSampleId :

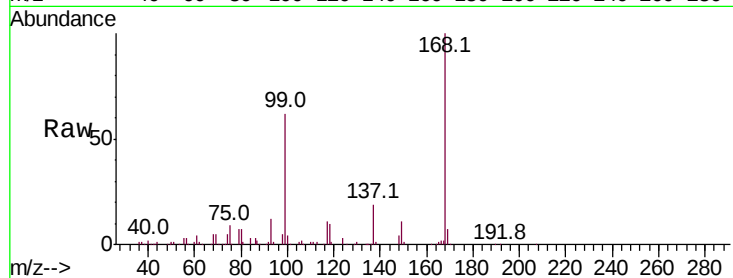
BSY-SB-03-1.0-2.0

Tot Ion:168 Resp: 354439

Ion Ratio Lower Upper

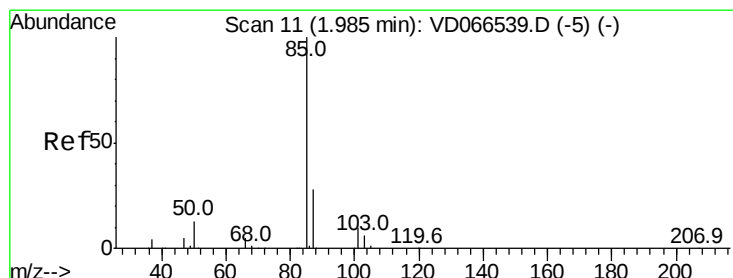
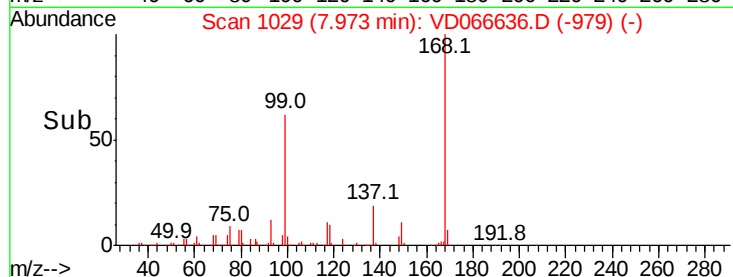
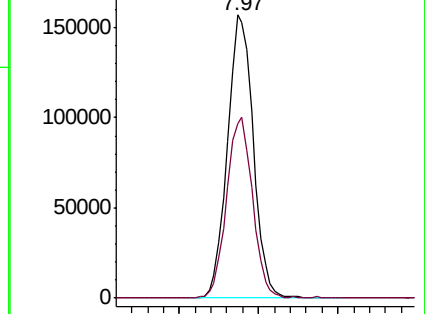
168 100

99 61.8 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066636.D

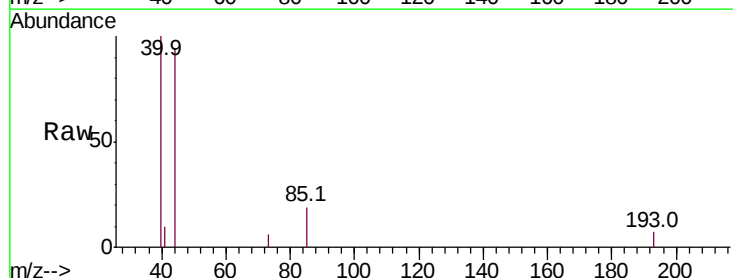
Acq: 11 Sep 2020 02:39

Tgt Ion: 85 Resp: 626

Ion Ratio Lower Upper

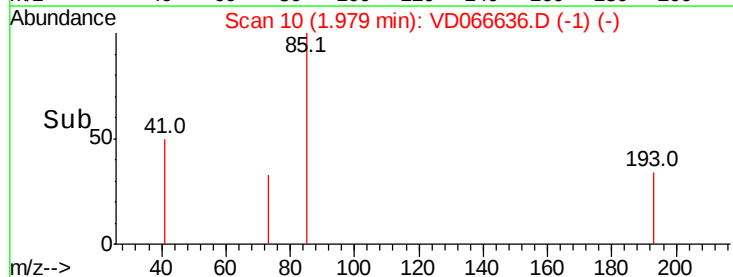
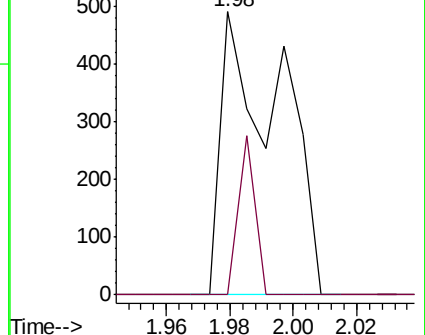
85 100

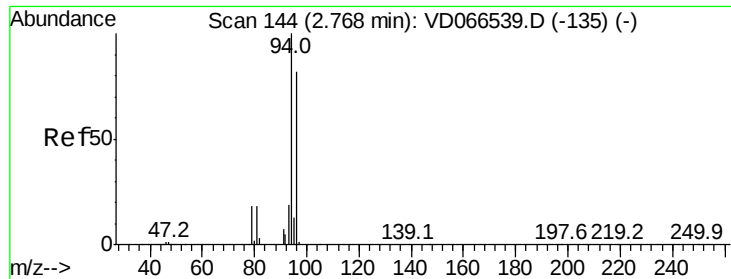
87 0.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066636.D

Acq: 11 Sep 2020 02:39

Instrument :

MSVOA_D

ClientSampleId :

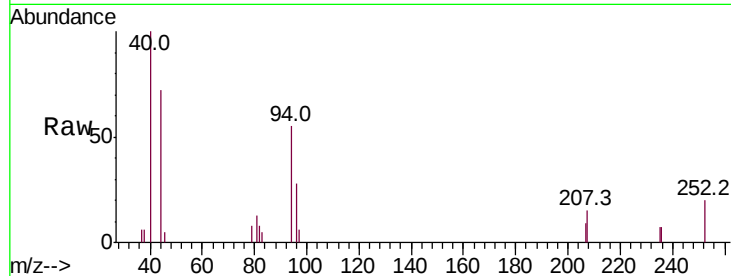
BSY-SB-03-1.0-2.0

Tot Ion: 94 Resp: 2150

Ion Ratio Lower Upper

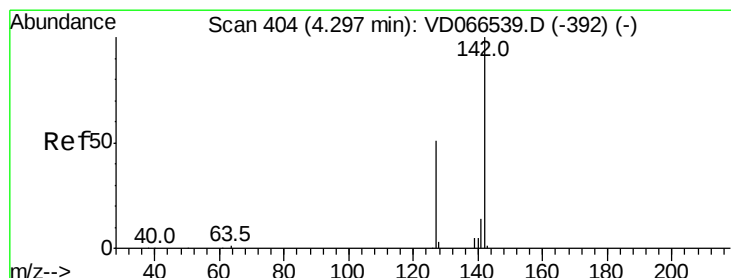
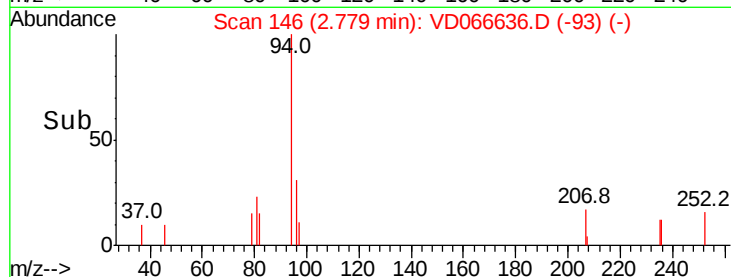
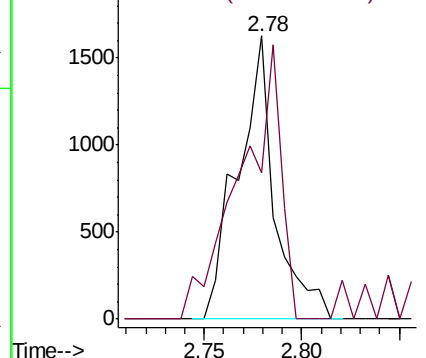
94 100

96 37.8 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#10

Methyl Iodide

Concen: 4.360 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.02 min

Lab File: VD066636.D

Acq: 11 Sep 2020 02:39

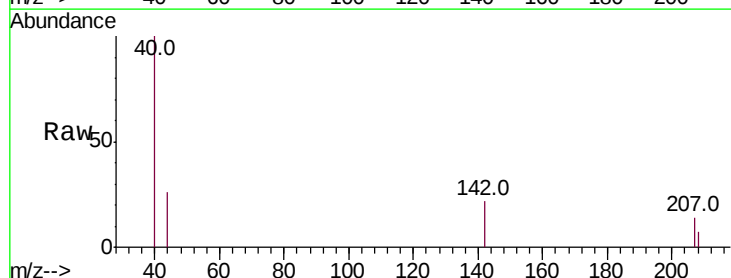
Tgt Ion: 142 Resp: 1327

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

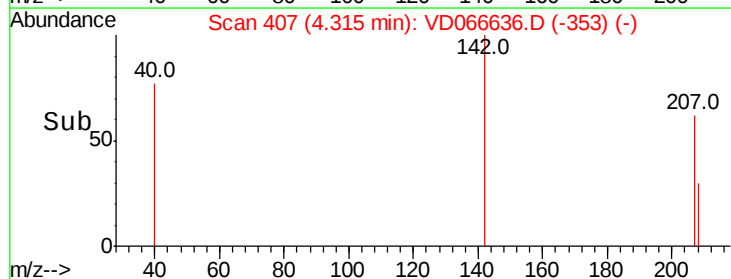
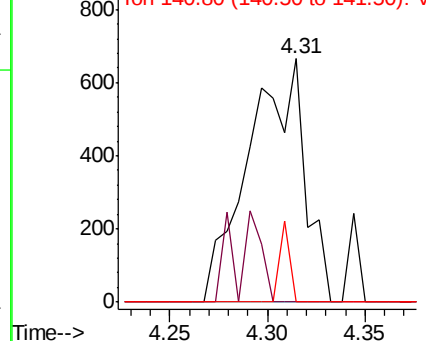
141 5.9 12.2 18.4#

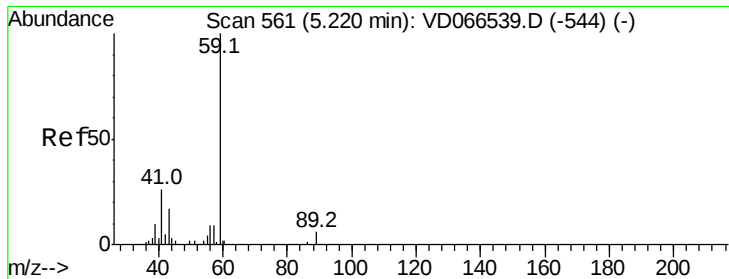


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



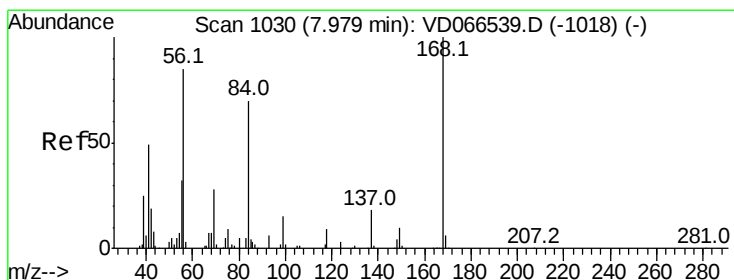
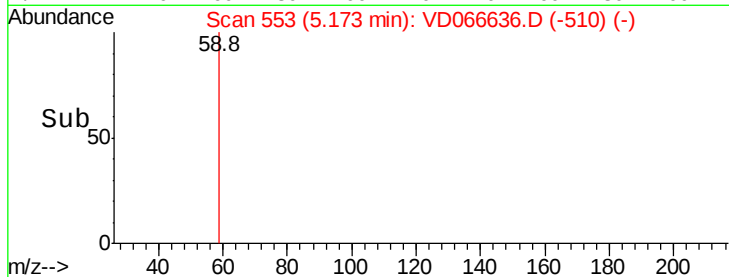
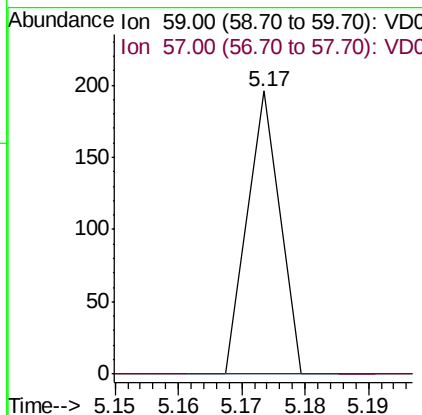
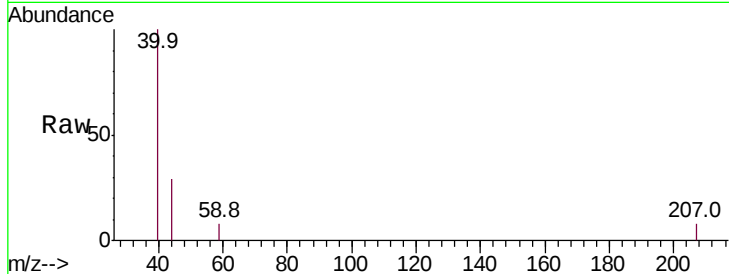


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 553
 Delta R.T. -0.05 min
 Lab File: VD066636.D
 Acq: 11 Sep 2020 02:39

Instrument :
 MSVOA_D
 ClientSampleId :
 BSY-SB-03-1.0-2.0

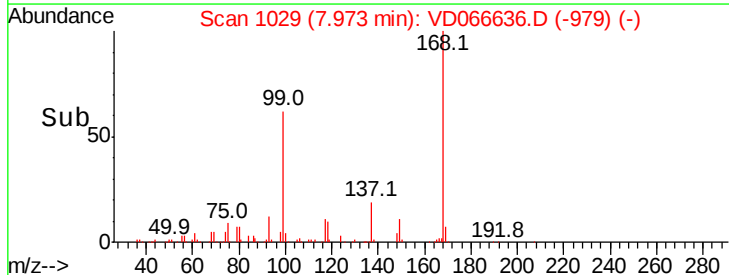
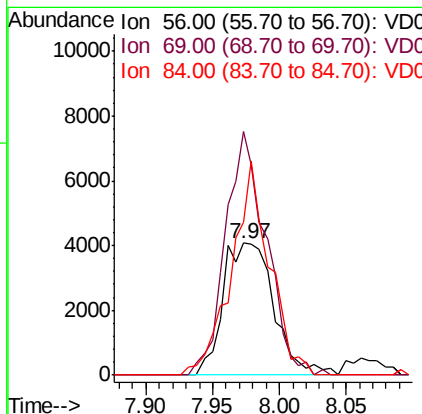
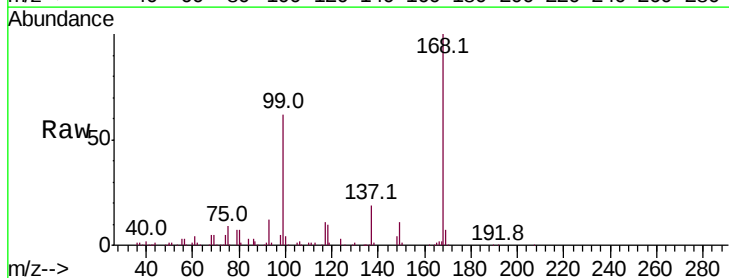
Tot Ion: 59 Resp: 69
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

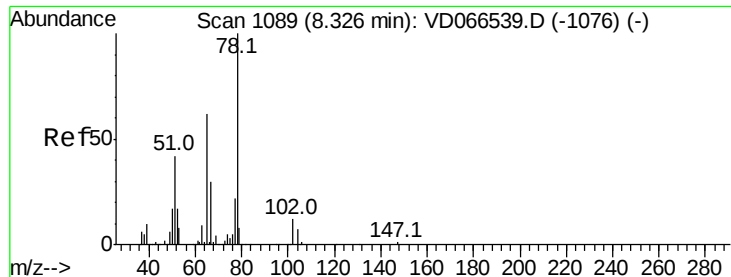


#31

Cyclohexane
 Concen: 1.547 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VD066636.D
 Acq: 11 Sep 2020 02:39

Tgt Ion: 56 Resp: 10820
 Ion Ratio Lower Upper
 56 100
 69 184.4 26.3 39.5#
 84 115.3 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 53.929 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VD066636.D

Acq: 11 Sep 2020 02:39

Instrument :

MSVOA_D

ClientSampleId :

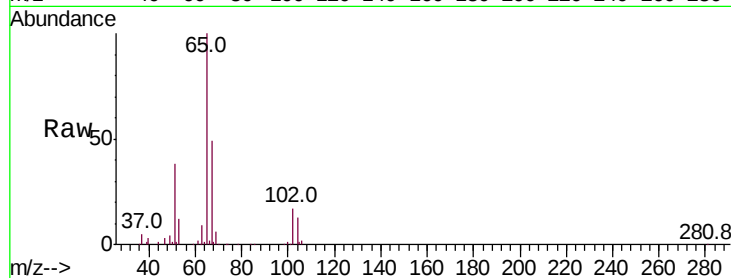
BSY-SB-03-1.0-2.0

Tot Ion: 65 Resp: 231267

Ion Ratio Lower Upper

65 100

67 50.4 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

60000

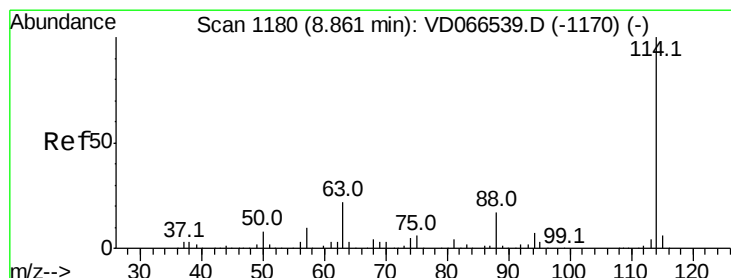
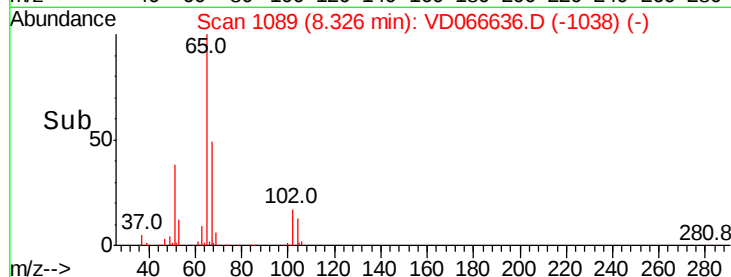
40000

20000

0

Time-->

8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066636.D

Acq: 11 Sep 2020 02:39

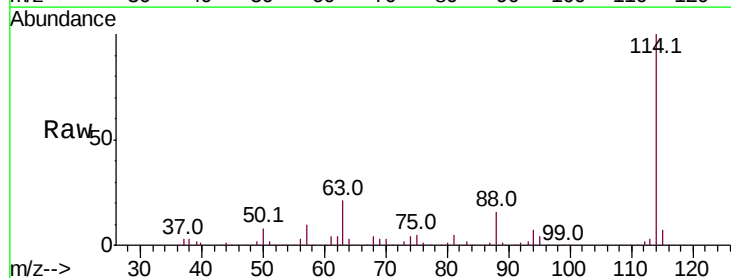
Tgt Ion: 114 Resp: 651001

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

88 15.6 0.0 33.2



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

400000

300000

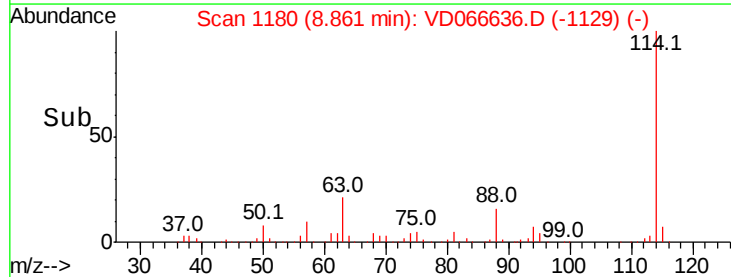
200000

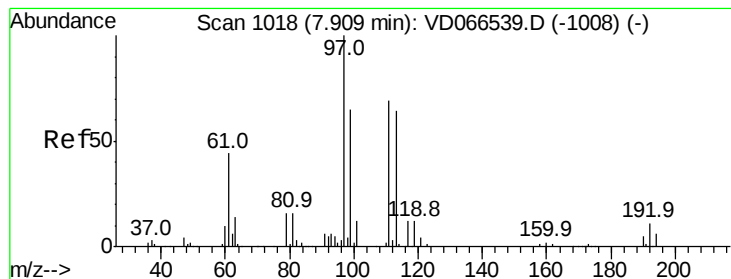
100000

0

Time-->

8.80 8.85 8.90 9.00





#35

Dibromofluoromethane

Concen: 51.116 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066636.D

Acq: 11 Sep 2020 02:39

Instrument :

MSVOA_D

ClientSampleId :

BSY-SB-03-1.0-2.0

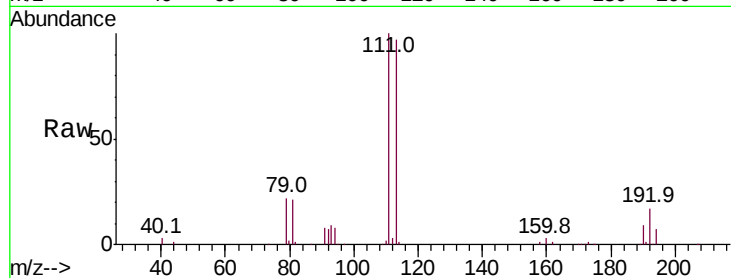
Tot Ion:113 Resp: 224488

Ion Ratio Lower Upper

113 100

111 101.4 83.2 124.8

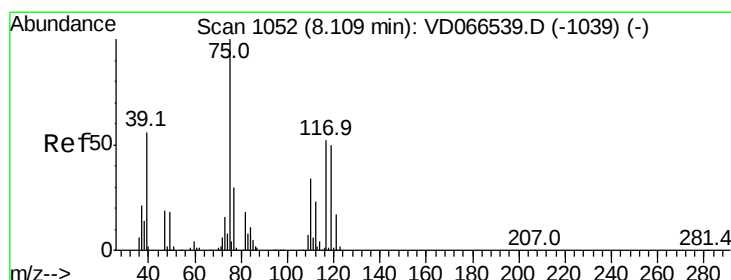
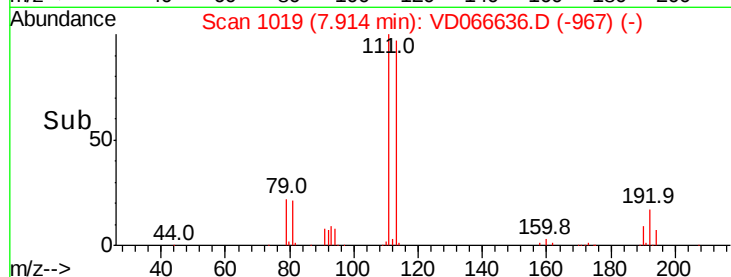
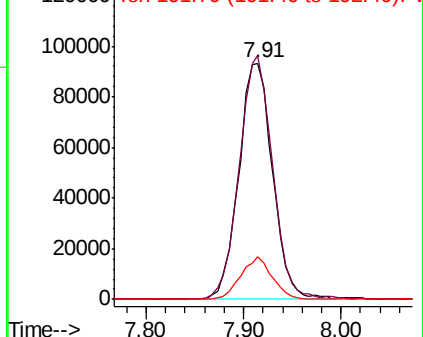
192 16.8 13.7 20.5



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: 4.955 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066636.D

Acq: 11 Sep 2020 02:39

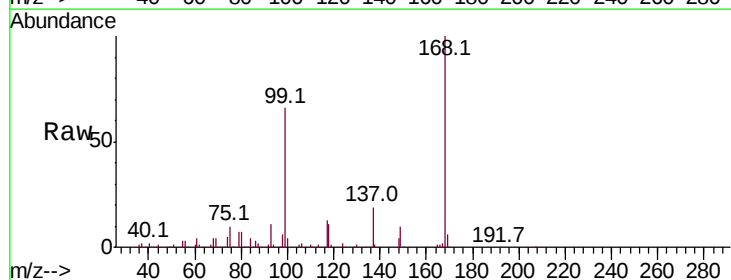
Tgt Ion: 75 Resp: 33571

Ion Ratio Lower Upper

75 100

110 9.9 17.3 52.0#

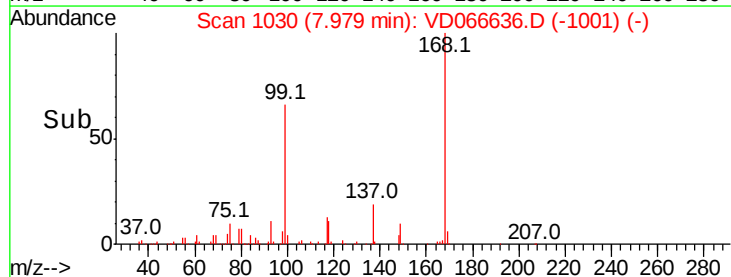
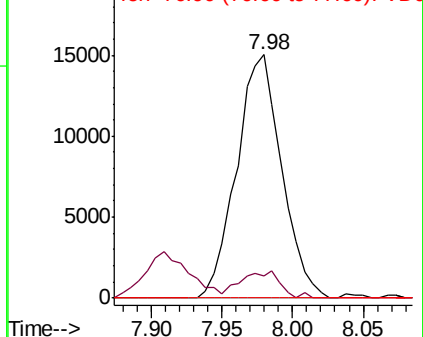
77 0.0 25.1 37.7#

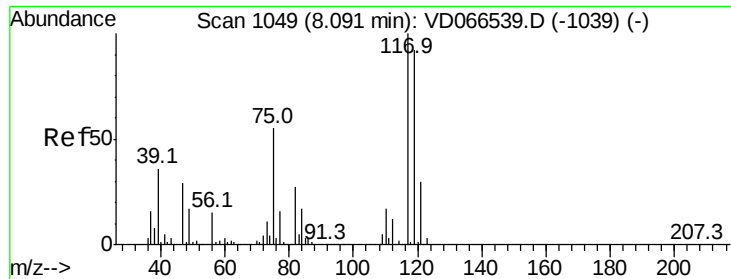


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

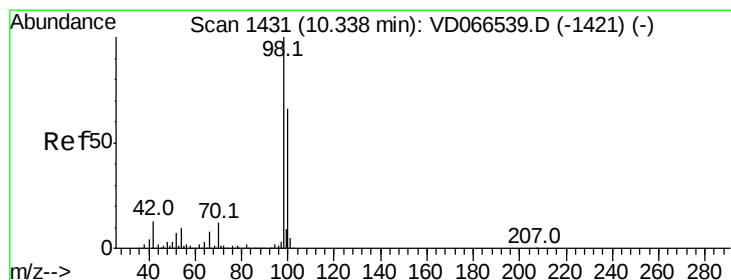
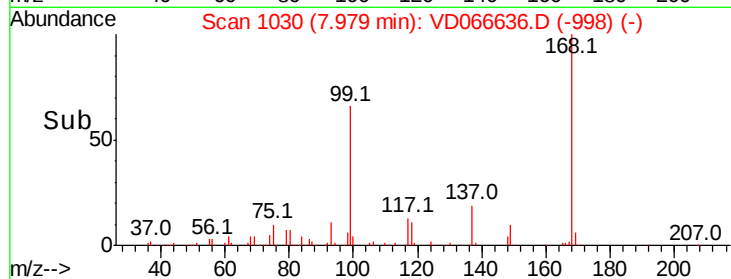
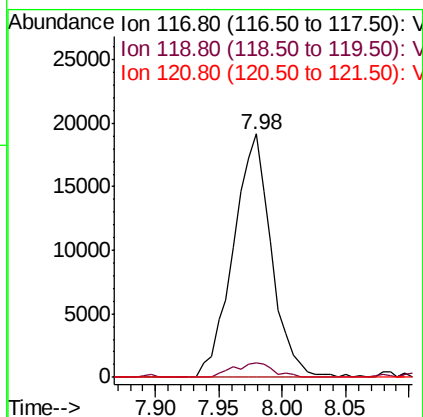
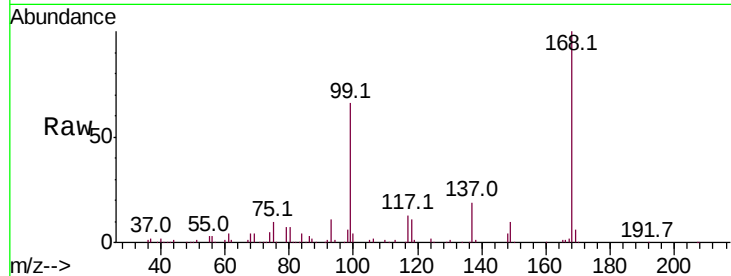




#38
Carbon Tetrachloride
Concen: 5.553 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066636.D
Acq: 11 Sep 2020 02:39

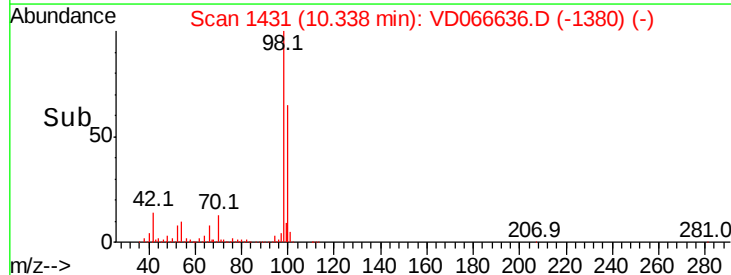
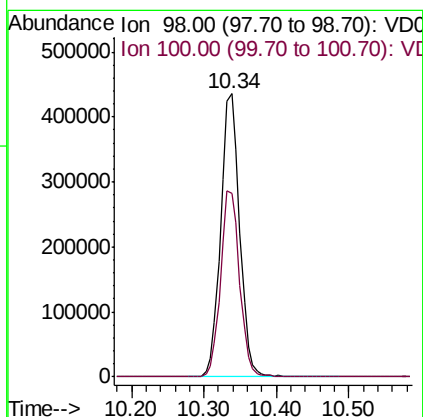
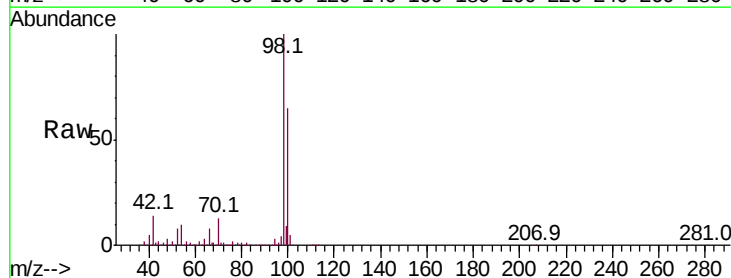
Instrument :
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BSY-SB-03-1.0-2.0

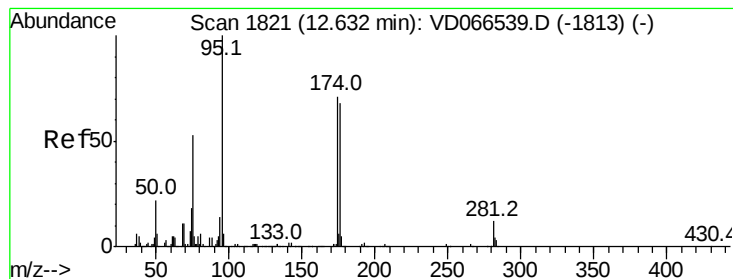
Tot Ion:117 Resp: 39764
Ion Ratio Lower Upper
117 100
119 5.9 73.9 110.9#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 50.549 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066636.D
Acq: 11 Sep 2020 02:39

Tgt Ion: 98 Resp: 793444
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 48.204 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066636.D

Acq: 11 Sep 2020 02:39

Instrument :

MSVOA_D

ClientSampleId :

BSY-SB-03-1.0-2.0

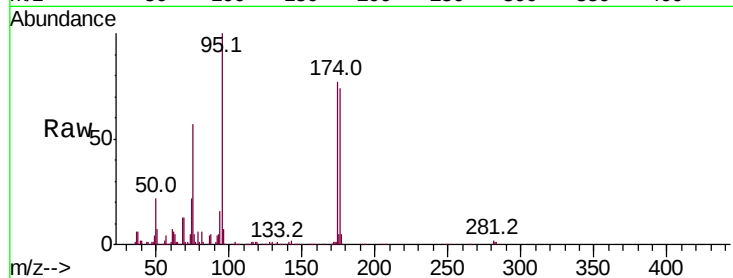
Tot Ion: 95 Resp: 250894

Ion Ratio Lower Upper

95 100

174 78.3 0.0 155.8

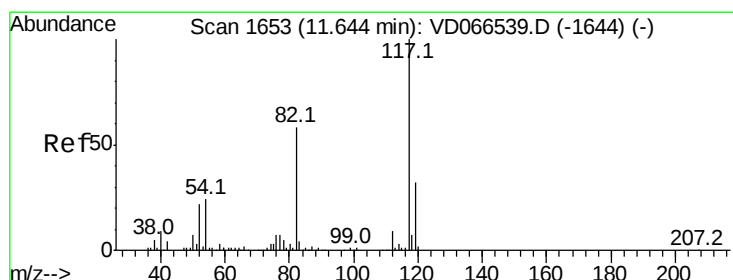
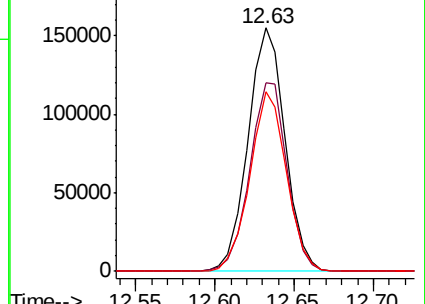
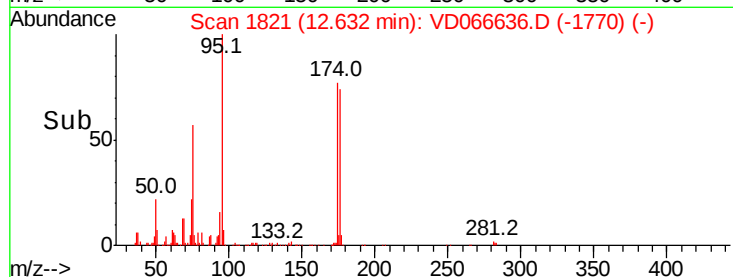
176 73.5 0.0 148.6



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: VD066636.D

Acq: 11 Sep 2020 02:39

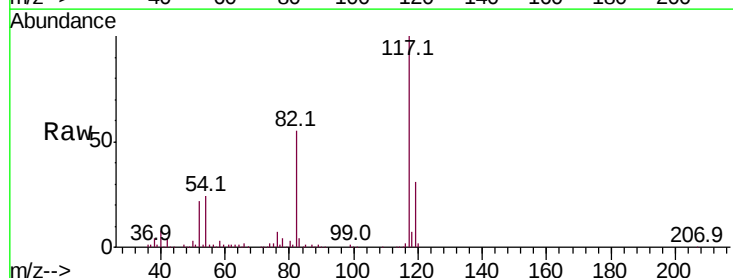
Tgt Ion: 117 Resp: 610330

Ion Ratio Lower Upper

117 100

82 55.3 46.2 69.2

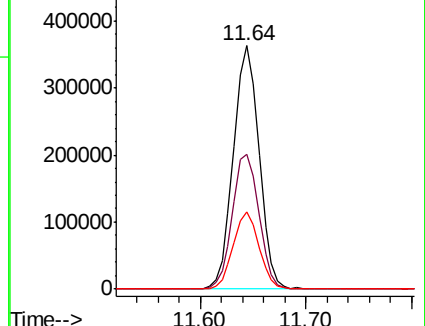
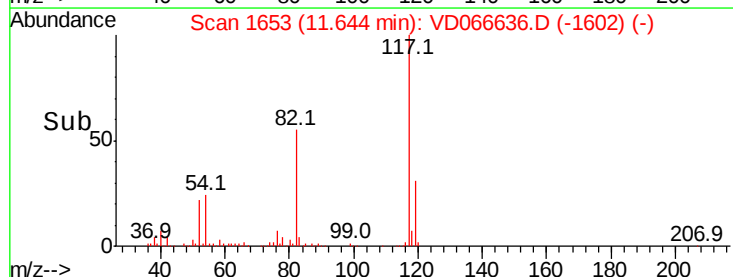
119 31.5 25.8 38.8

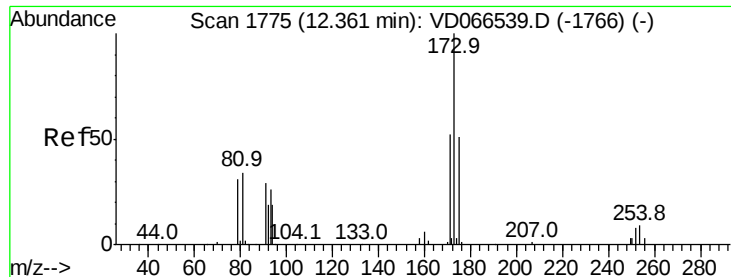


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.017 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD066636.D

Acq: 11 Sep 2020 02:39

Instrument :

MSVOA_D

ClientSampleId :

BSY-SB-03-1.0-2.0

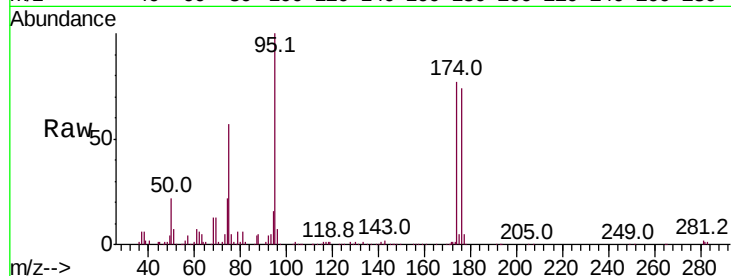
Tot Ion:173 Resp: 2465

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

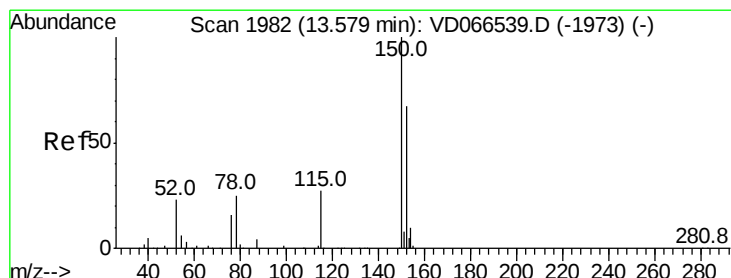
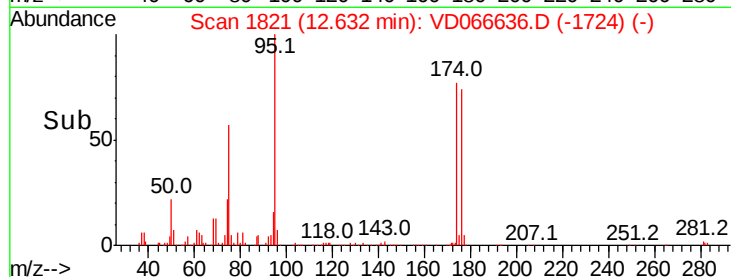
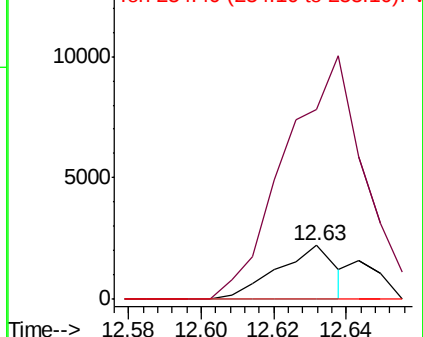
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VD066636.D

Acq: 11 Sep 2020 02:39

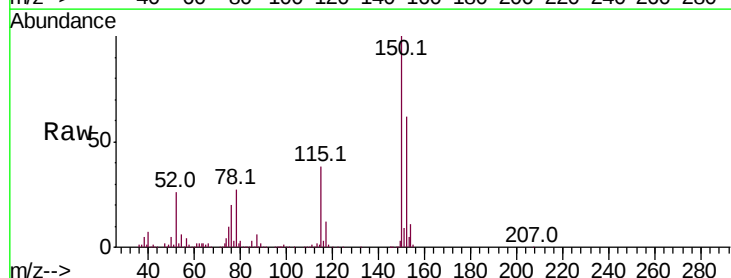
Tgt Ion:152 Resp: 254234

Ion Ratio Lower Upper

152 100

115 62.6 30.4 91.2

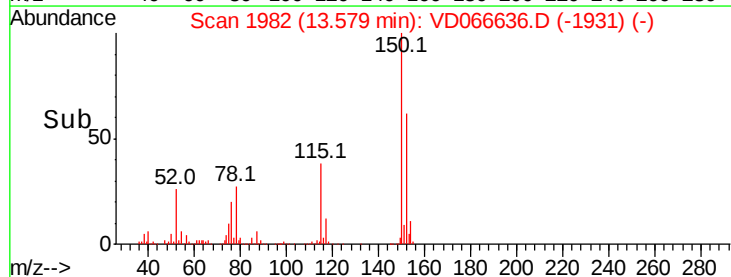
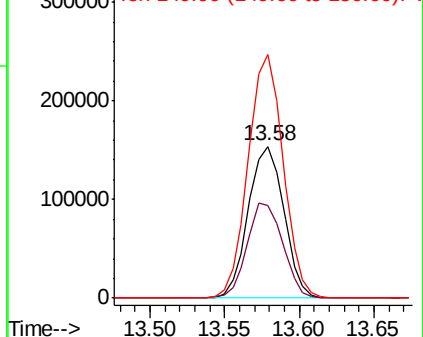
150 157.8 0.0 345.8

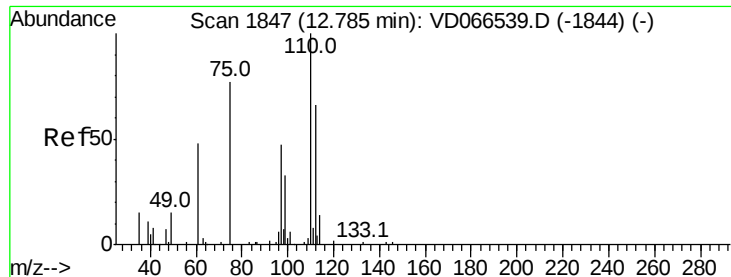


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 59.075 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066636.D

Acq: 11 Sep 2020 02:39

Instrument :

MSVOA_D

ClientSampleId :

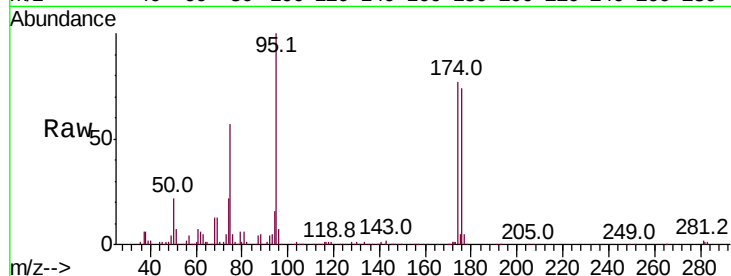
BSY-SB-03-1.0-2.0

Tot Ion: 75 Resp: 144442

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

100000

80000

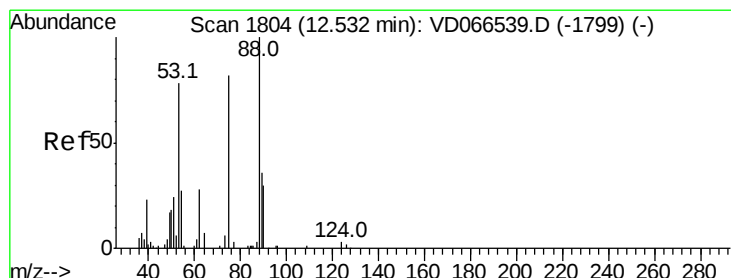
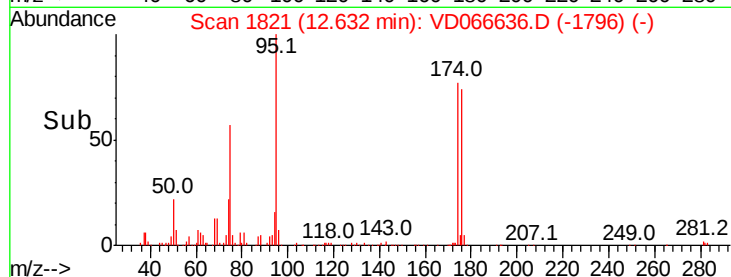
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 137.920 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066636.D

Acq: 11 Sep 2020 02:39

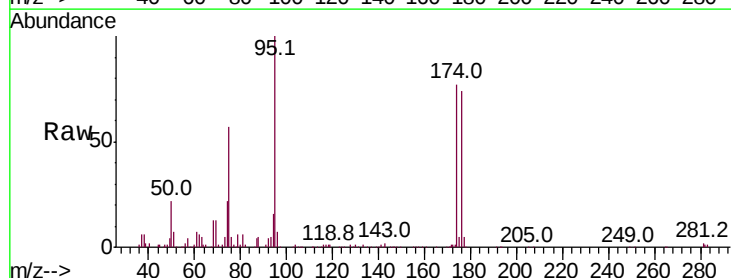
Tgt Ion: 75 Resp: 144442

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

89 0.0 37.1 55.7#



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

12.63

120000

80000

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

