

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002643.D
 Acq On : 08 May 2020 15:22
 Operator : SY/MD
 Sample : L2506-01
 Misc : 3.92G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-050720

Quant Time: May 11 02:19:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

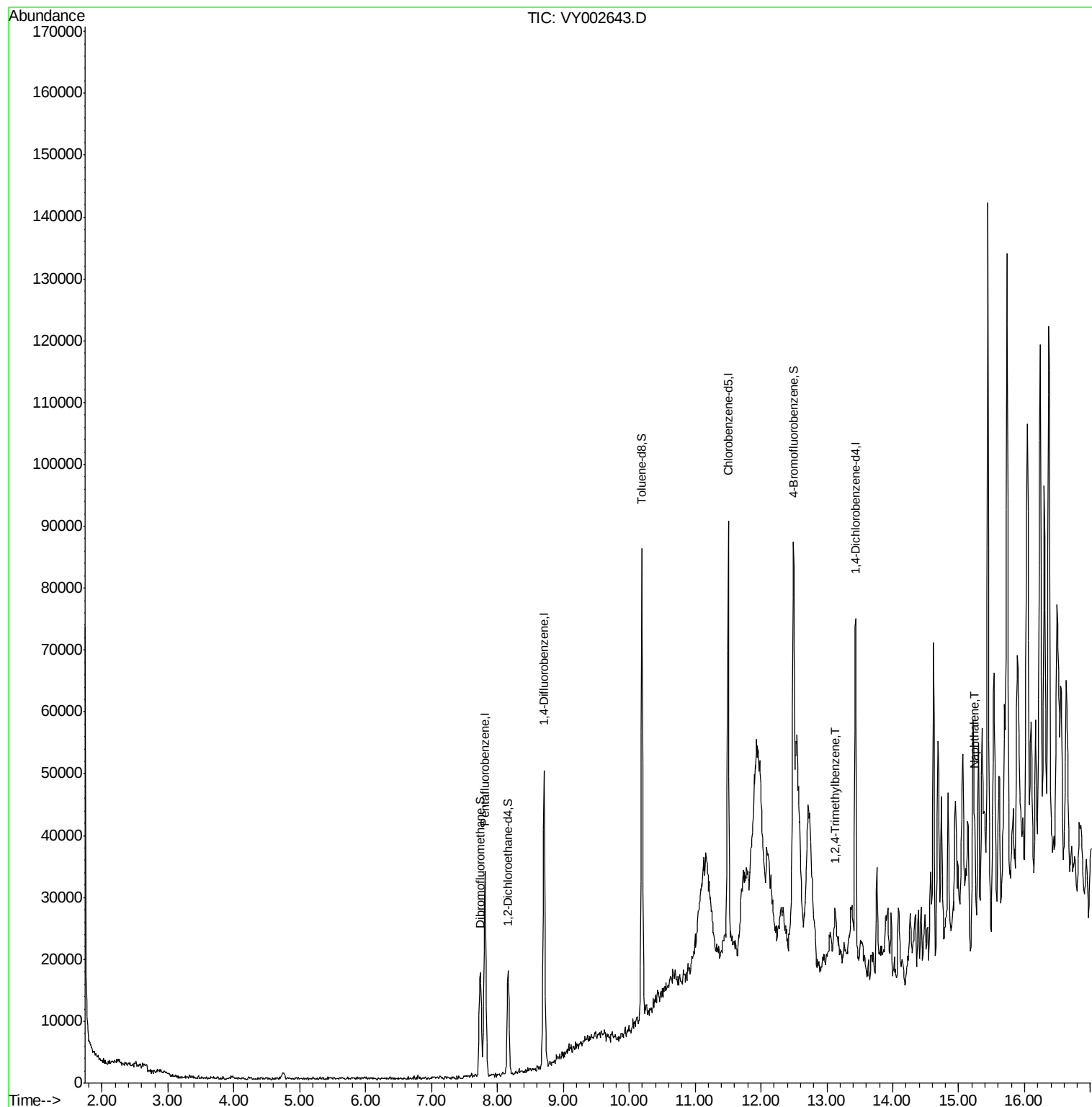
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	27697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	42681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	38421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	15454	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	12706	54.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.12%	
35) Dibromofluoromethane	7.74	113	11853	48.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.12%	
50) Toluene-d8	10.19	98	51236	53.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.50%	
62) 4-Bromofluorobenzene	12.49	95	15502	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
Target Compounds						
84) 1,2,4-Trimethylbenzene	13.13	105	2871	3.470	ug/l	88
95) Naphthalene	15.24	128	8516	15.215	ug/l #	89

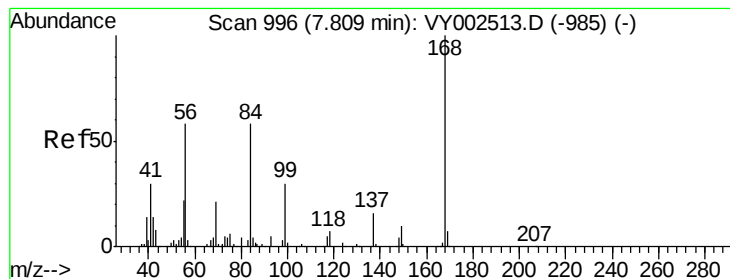
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002643.D

Acq: 08 May 2020 15:22

Instrument :

MSVOA_Y

ClientSampleId :

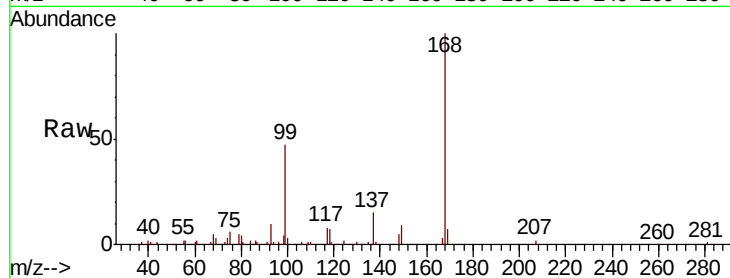
TR-04-050720

Tot Ion:168 Resp: 27697

Ion Ratio Lower Upper

168 100

99 46.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

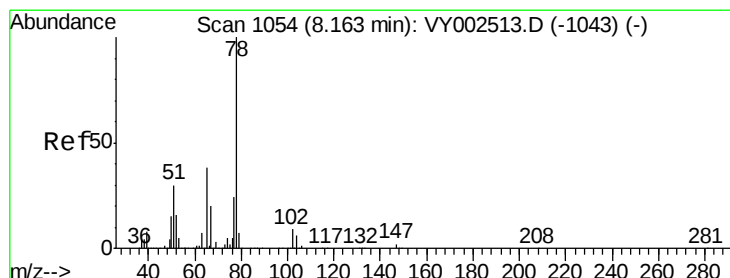
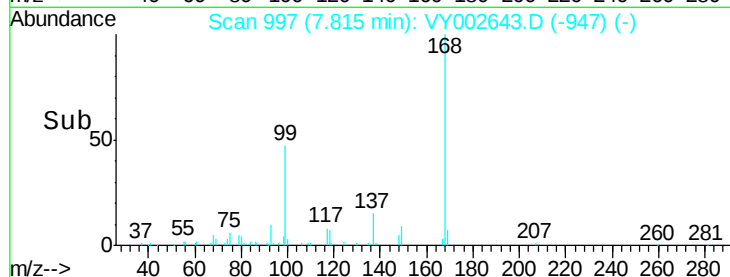
7.82

10000

5000

0

Time--> 7.70 7.75 7.80 7.85 7.90



#33

1,2-Dichloroethane-d4

Concen: 54.560 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY002643.D

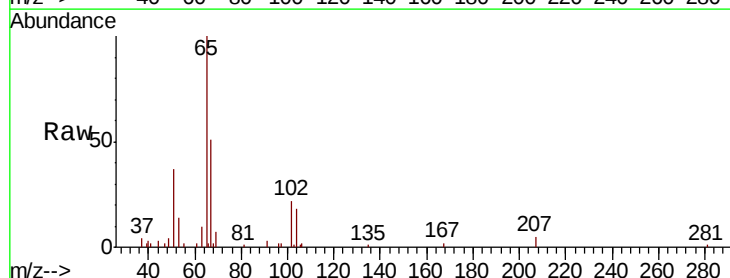
Acq: 08 May 2020 15:22

Tgt Ion: 65 Resp: 12706

Ion Ratio Lower Upper

65 100

67 54.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY002513.D (-1043) (-)

Ion 66.90 (66.60 to 67.60): VY002513.D (-1043) (-)

8.16

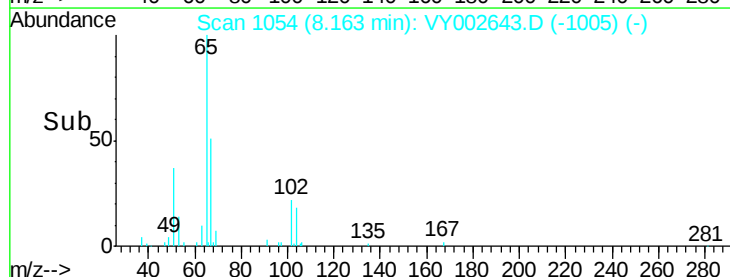
6000

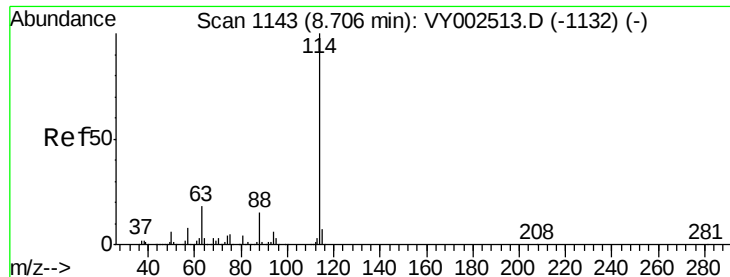
4000

2000

0

Time--> 8.10 8.15 8.20 8.25

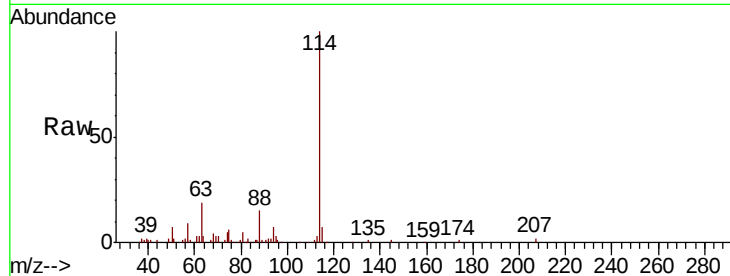




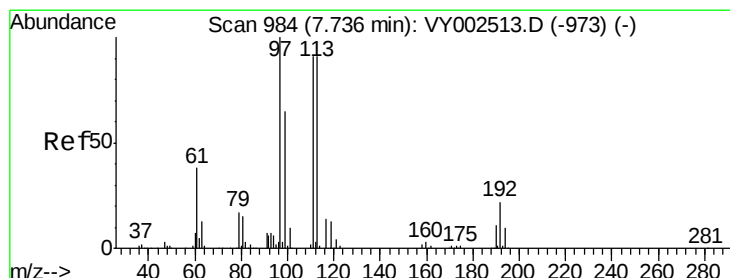
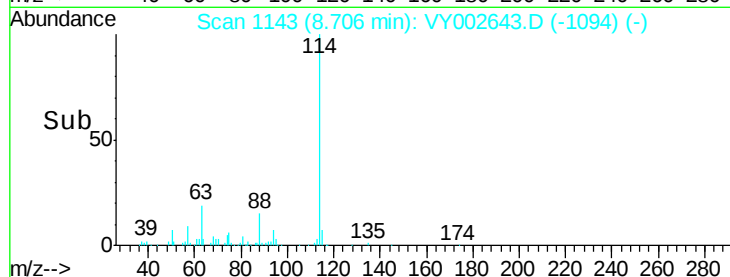
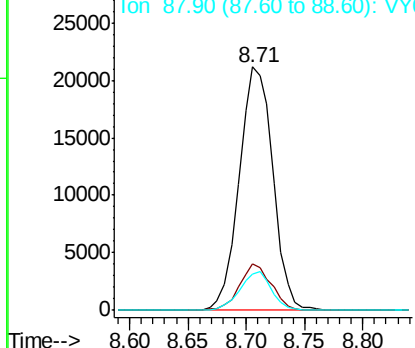
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY002643.D
 Acq: 08 May 2020 15:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-050720

Tot Ion:114	Resp:	42681
Ion	Ratio	Lower Upper
114	100	
63	18.9	0.0 36.4
88	14.8	0.0 29.6

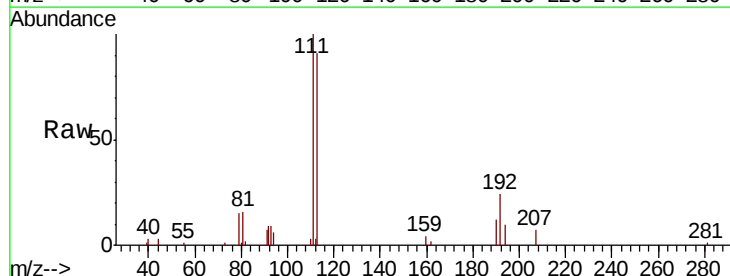


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

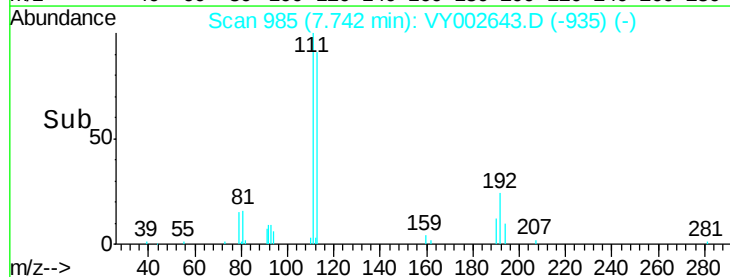
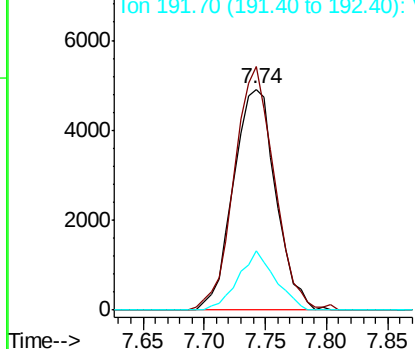


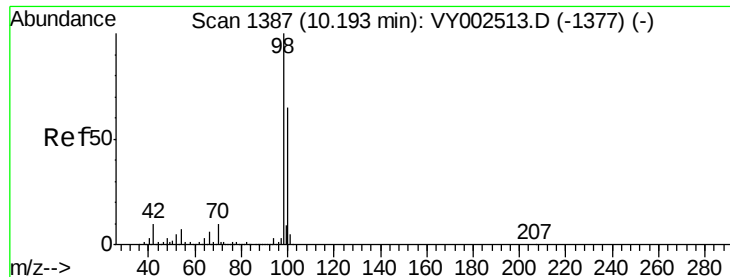
#35
 Dibromofluoromethane
 Concen: 48.559 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002643.D
 Acq: 08 May 2020 15:22

Tgt Ion:113	Resp:	11853
Ion	Ratio	Lower Upper
113	100	
111	104.2	81.8 122.6
192	23.3	18.2 27.4



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





#50

Toluene-d8

Concen: 53.750 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY002643.D

Acq: 08 May 2020 15:22

Instrument :

MSVOA_Y

ClientSampleId :

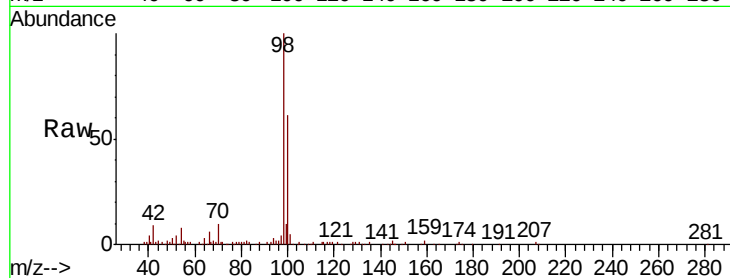
TR-04-050720

Tot Ion: 98 Resp: 51236

Ion Ratio Lower Upper

98 100

100 63.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY002513.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY002513.D (-1377) (-)

10.19

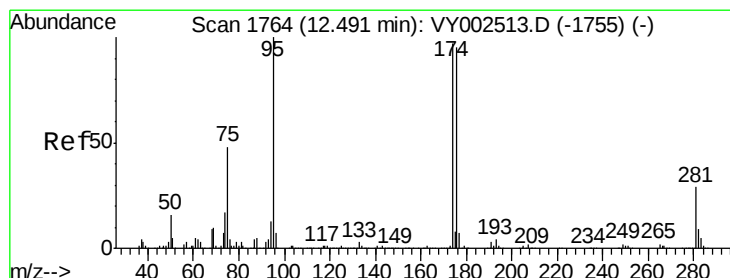
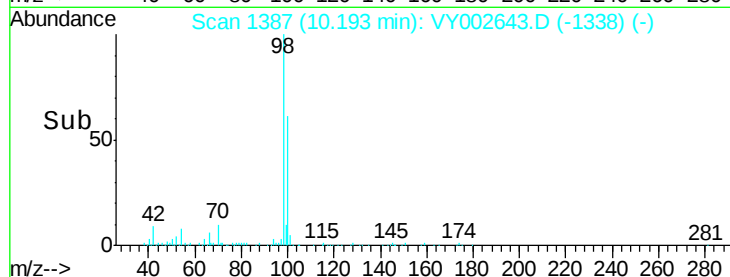
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.927 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002643.D

Acq: 08 May 2020 15:22

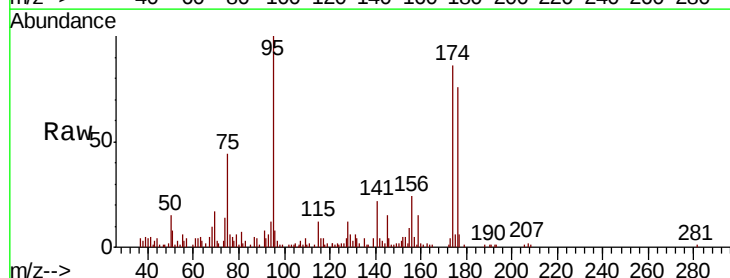
Tgt Ion: 95 Resp: 15502

Ion Ratio Lower Upper

95 100

174 105.8 0.0 188.8

176 88.1 0.0 183.2



Abundance Ion 94.90 (94.60 to 95.60): VY002513.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002513.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002513.D (-1755) (-)

12.49

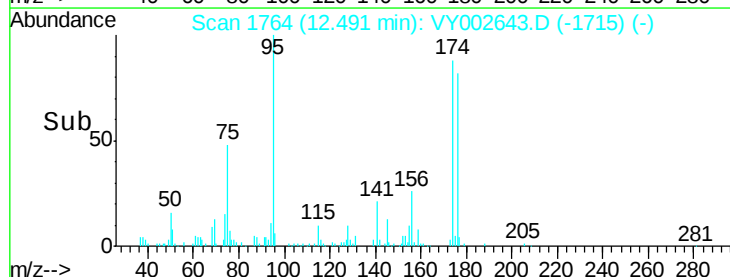
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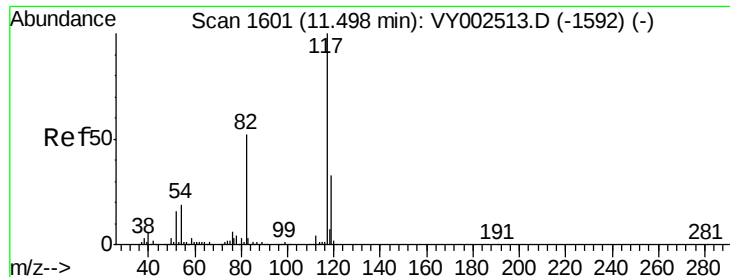
10000

5000

0

Time-->

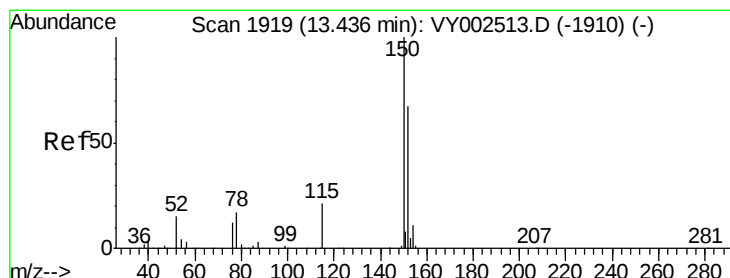
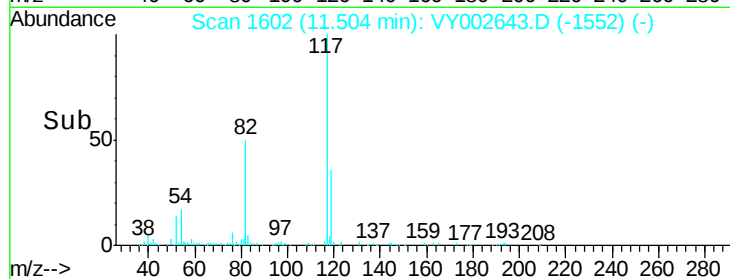
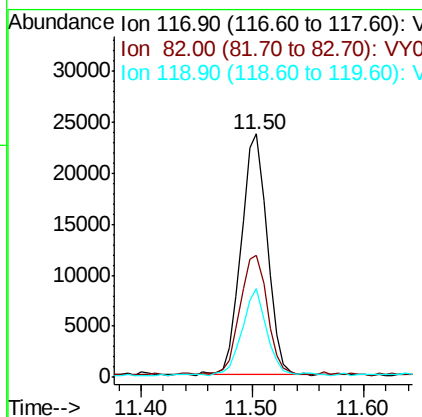
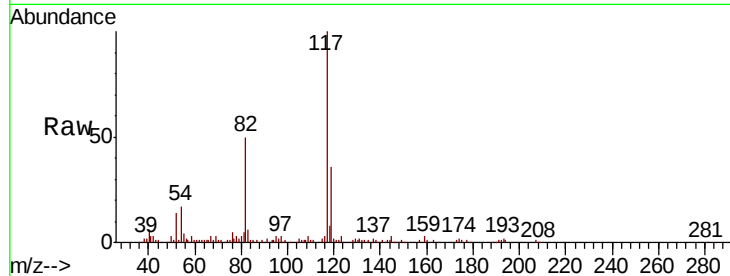




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002643.D
Acq: 08 May 2020 15:22

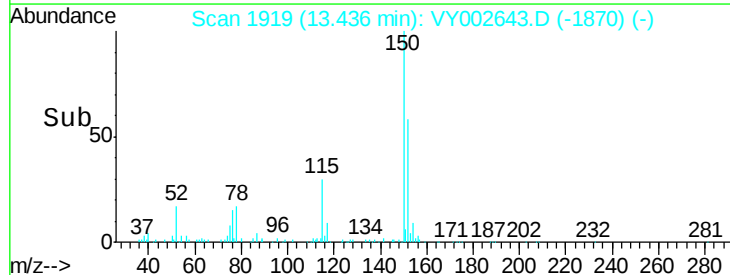
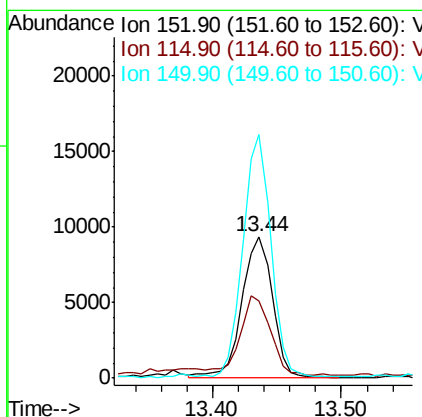
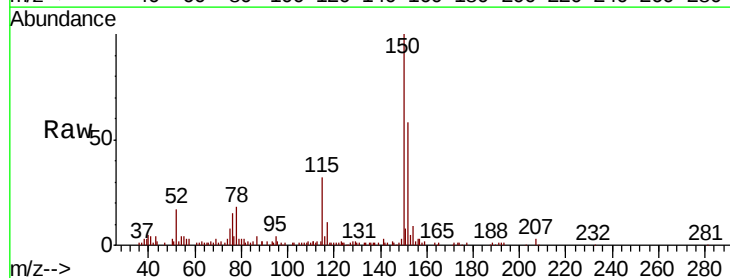
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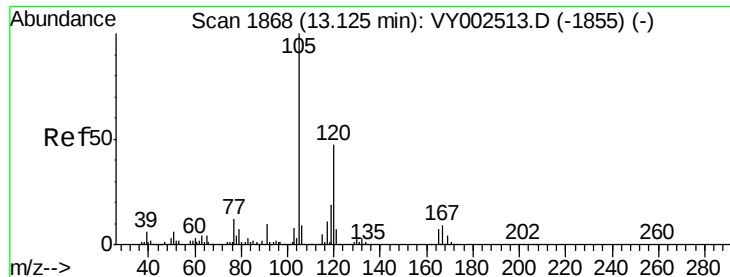
Tot Ion:117 Resp: 38421
Ion Ratio Lower Upper
117 100
82 48.9 41.3 61.9
119 35.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002643.D
Acq: 08 May 2020 15:22

Tgt Ion:152 Resp: 15454
Ion Ratio Lower Upper
152 100
115 53.7 27.5 82.4
150 155.2 0.0 346.4

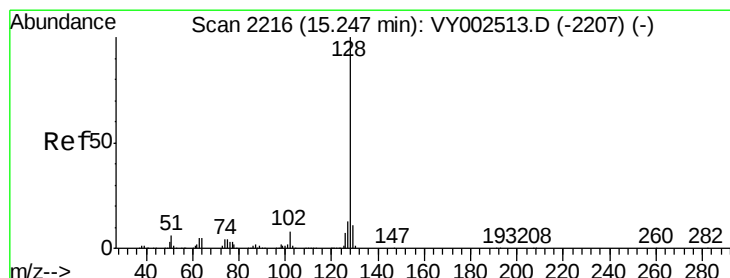
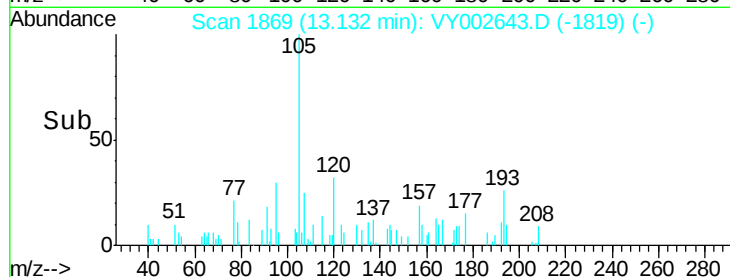
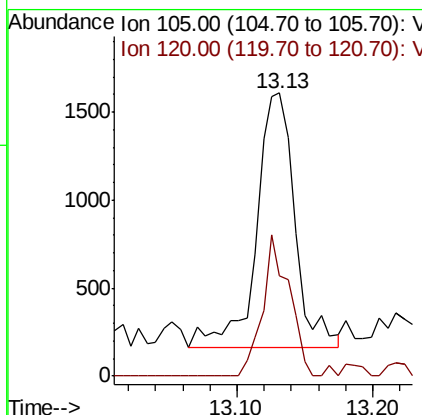
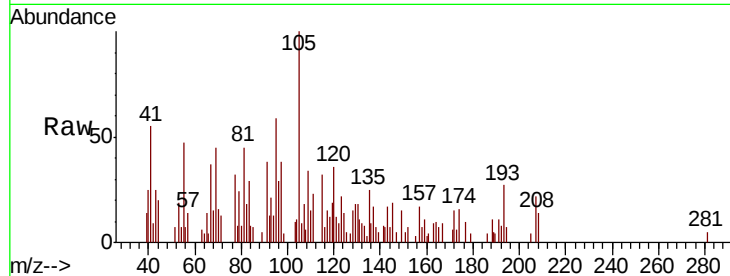




#84
 1,2,4-Trimethylbenzene
 Concen: 3.470 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002643.D
 Acq: 08 May 2020 15:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-050720

Tot Ion:105 Resp: 2871
 Ion Ratio Lower Upper
 105 100
 120 38.7 23.4 70.3



#95
 Naphthalene
 Concen: 15.215 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: VY002643.D
 Acq: 08 May 2020 15:22

Tgt Ion:128 Resp: 8516
 Ion Ratio Lower Upper
 128 100
 127 18.8 10.5 15.7#
 129 13.3 8.8 13.2#

