

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072420\
 Data File : VY003340.D
 Acq On : 24 Jul 2020 18:27
 Operator : SY/MD
 Sample : L3436-08
 Misc : 6.92G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 8

Quant Time: Jul 25 01:40:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	296753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	422106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	341146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	128360	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	125027	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
35) Dibromofluoromethane	7.72	113	127277	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
50) Toluene-d8	10.18	98	494688	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
62) 4-Bromofluorobenzene	12.48	95	131369	40.27	ug/l	0.00
Spiked Amount			Recovery	=	80.54%	

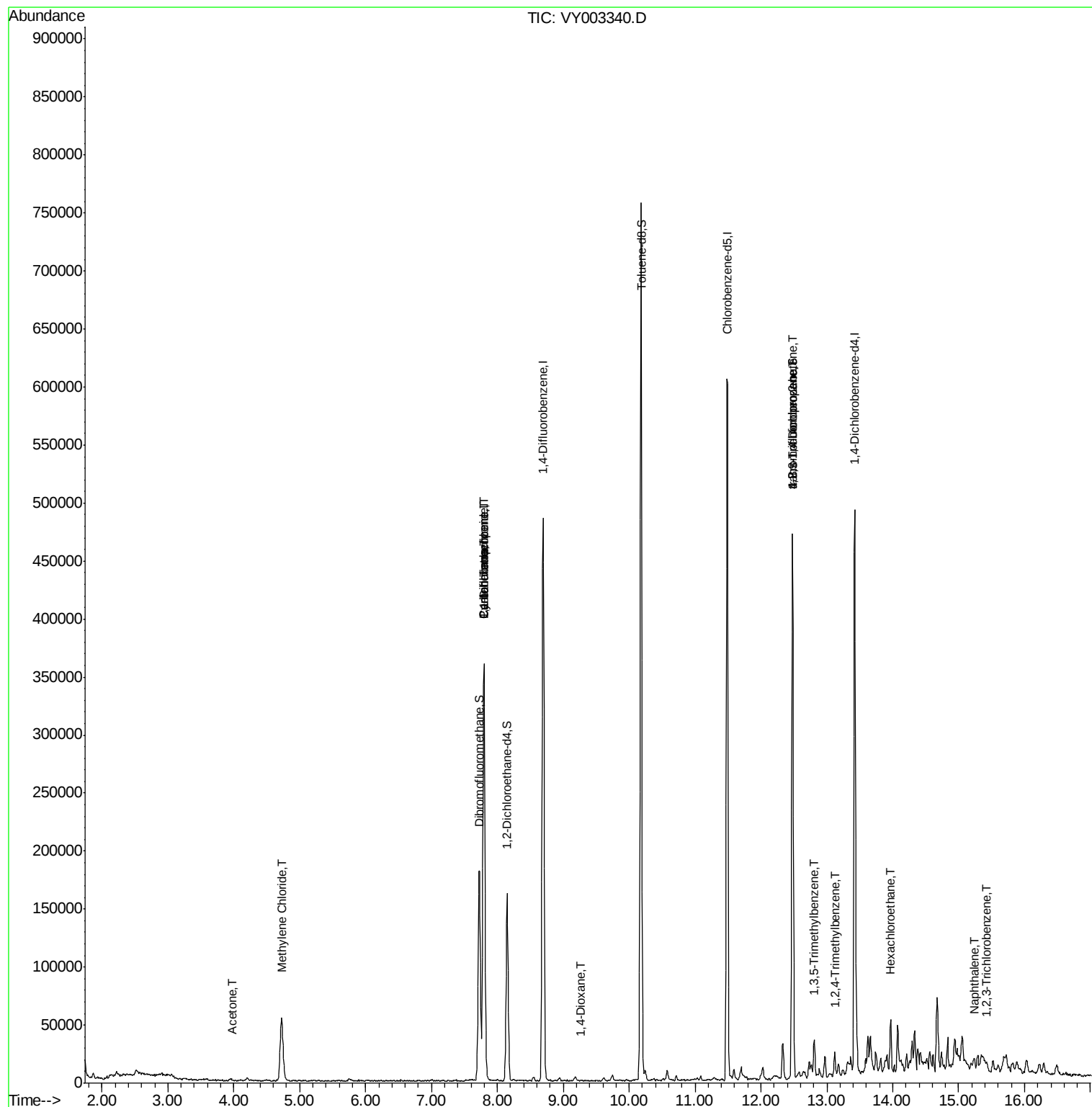
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	3022	5.401	ug/l #	83
20) Methylene Chloride	4.73	84	43335	11.122	ug/l	98
31) Cyclohexane	7.79	56	5568	1.222	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	20435	5.342	ug/l #	50
38) Carbon Tetrachloride	7.80	117	26169	6.626	ug/l #	17
49) 1,4-Dioxane	9.27	88	26	1.287	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	68185	60.011	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	12875	1.888	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.48	75	68185	116.793	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	11149	1.625	ug/l	96
90) Hexachloroethane	13.97	117	2686	1.911	ug/l #	4
95) Naphthalene	15.23	128	6778	1.666	ug/l	94
96) 1,2,3-Trichlorobenzene	15.42	180	2038	1.047	ug/l #	67

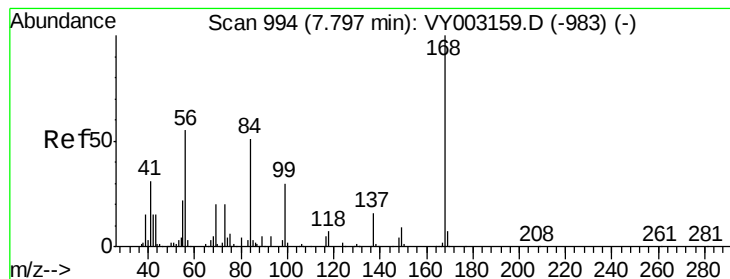
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072420\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003340.D

Acq: 24 Jul 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

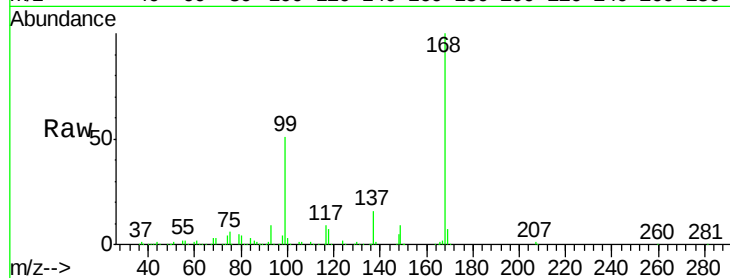
8

Tot Ion:168 Resp: 296753

Ion Ratio Lower Upper

168 100

99 51.0 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003340.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003340.D (-945) (-)

7.80

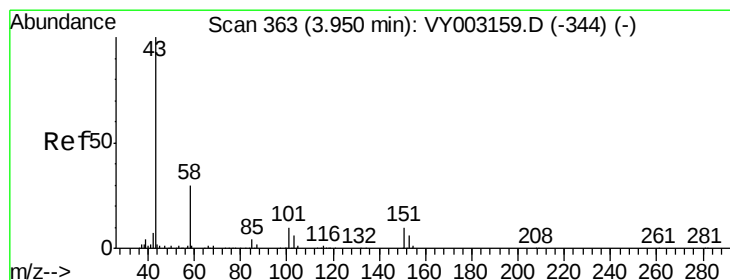
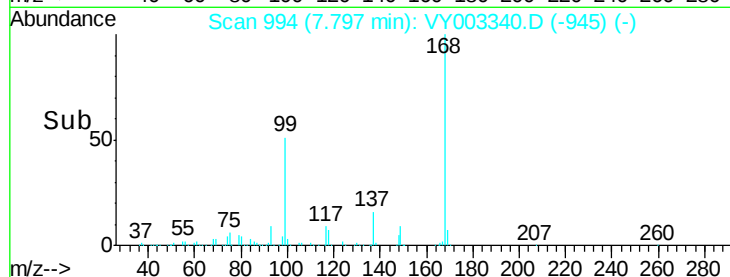
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.401 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003340.D

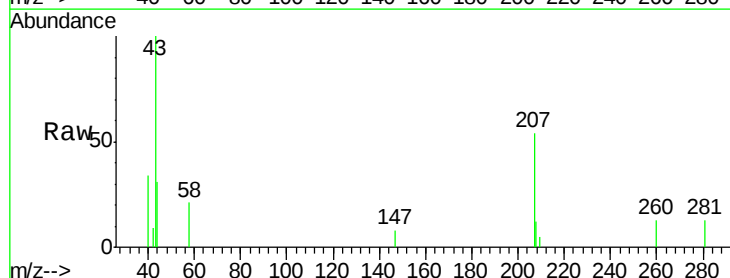
Acq: 24 Jul 2020 18:27

Tgt Ion: 43 Resp: 3022

Ion Ratio Lower Upper

43 100

58 20.6 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VY003340.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003340.D (-314) (-)

3.96

1200

1000

800

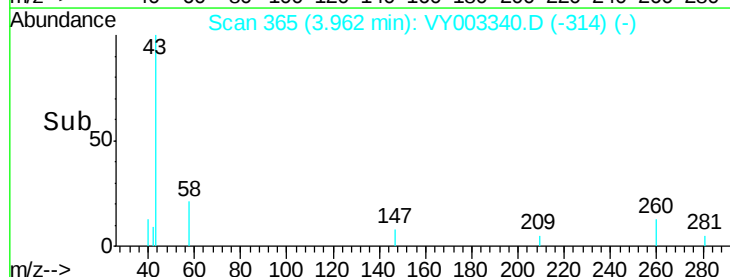
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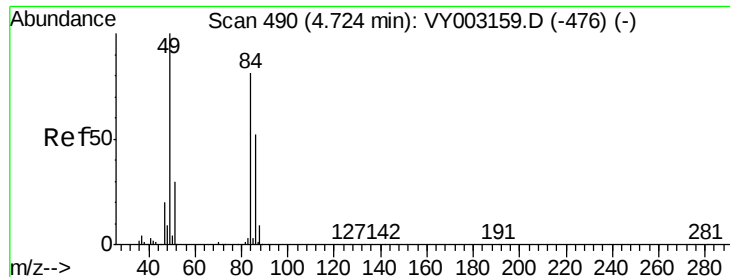
400

200

0

Time-->

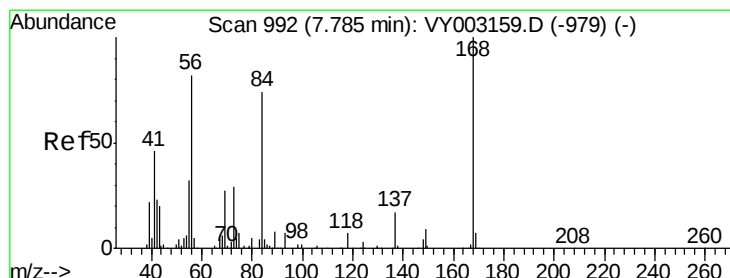
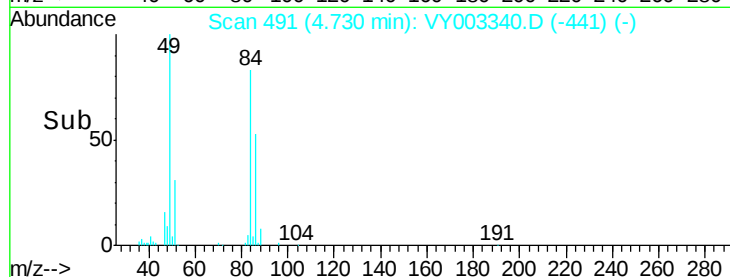
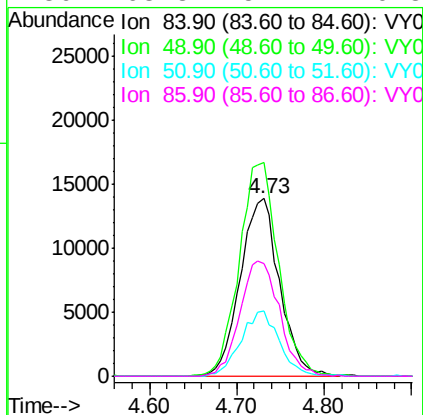
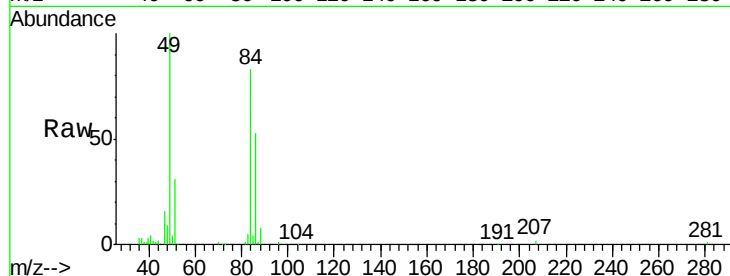




#20
Methylene Chloride
Concen: 11.122 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003340.D
Acq: 24 Jul 2020 18:27

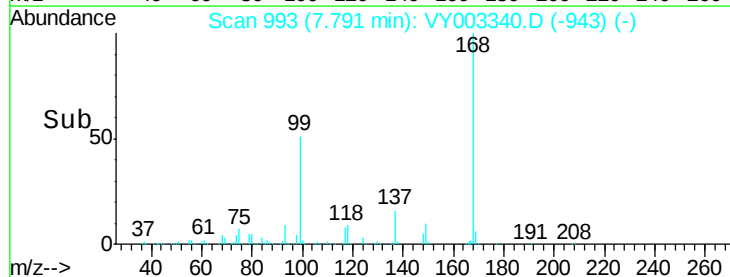
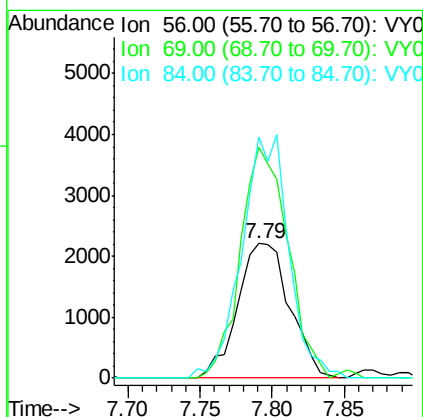
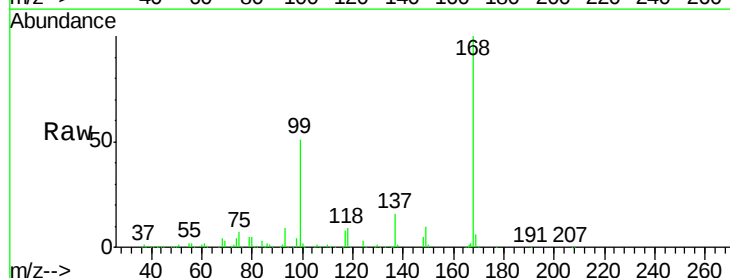
Instrument :
MSVOA_Y
ClientSampleId :
8

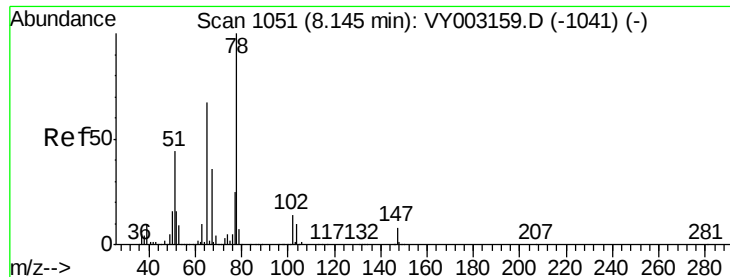
Tot Ion:	84	Resp:	43335
Ion	Ratio	Lower	Upper
84	100		
49	120.3	98.2	147.4
51	36.8	29.8	44.6
86	63.3	51.2	76.8



#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY003340.D
Acq: 24 Jul 2020 18:27

Tgt Ion:	56	Resp:	5568
Ion	Ratio	Lower	Upper
56	100		
69	171.7	26.7	40.1#
84	179.3	72.3	108.5#

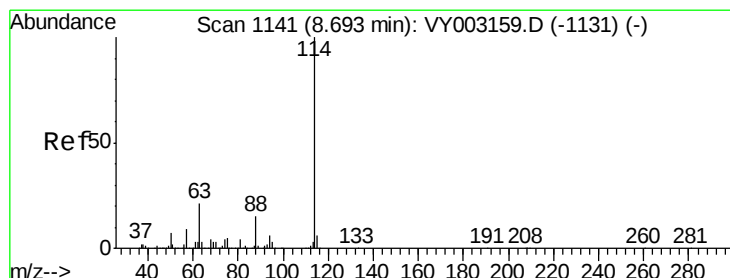
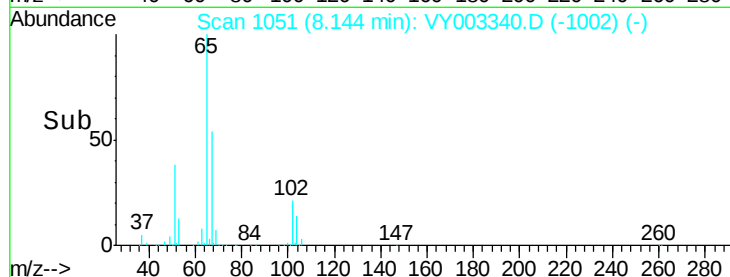
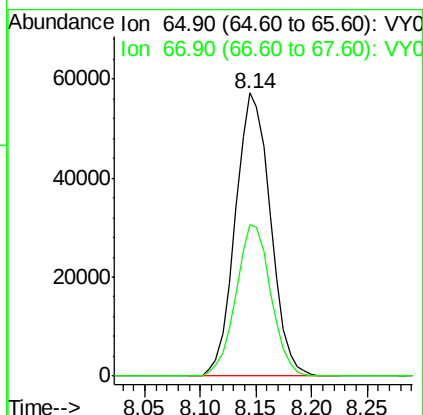
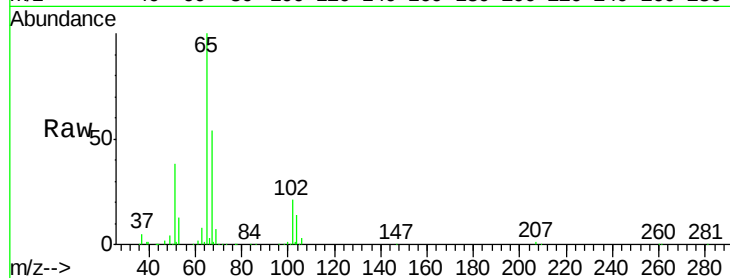




#33
 1,2-Dichloroethane-d4
 Concen: 49.917 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003340.D
 Acq: 24 Jul 2020 18:27

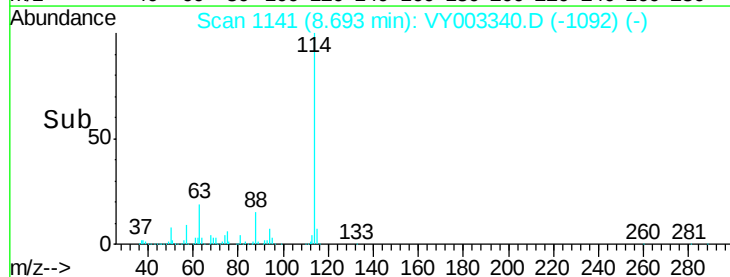
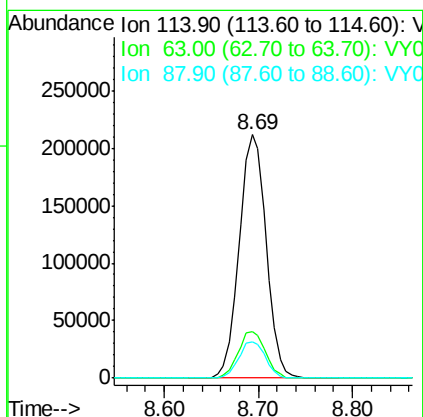
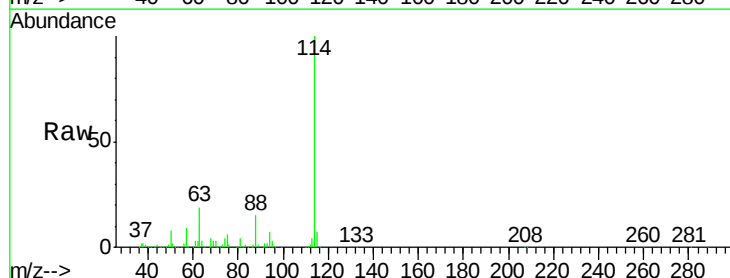
Instrument :
 MSVOA_Y
 ClientSampleId :
 8

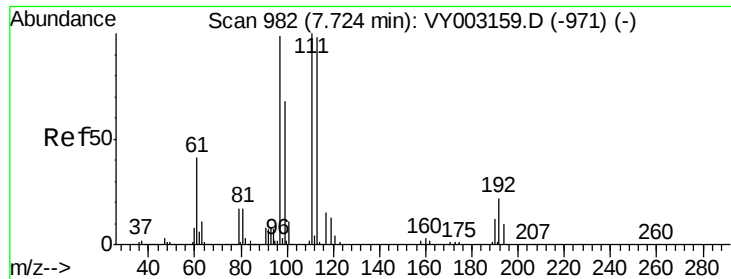
Tot Ion: 65 Resp: 125027
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003340.D
 Acq: 24 Jul 2020 18:27

Tgt Ion: 114 Resp: 422106
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.2
 88 14.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.396 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003340.D

Acq: 24 Jul 2020 18:27

Instrument :
MSVOA_Y
ClientSampleId :
8

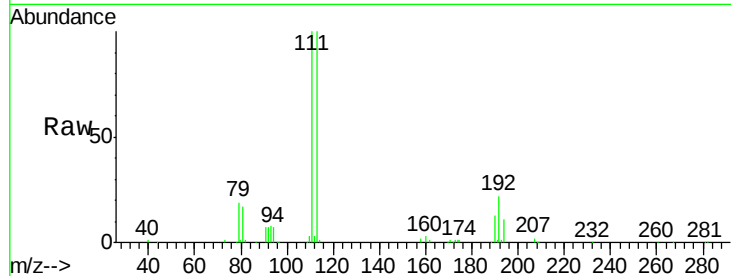
Tot Ion:113 Resp: 127277

Ion Ratio Lower Upper

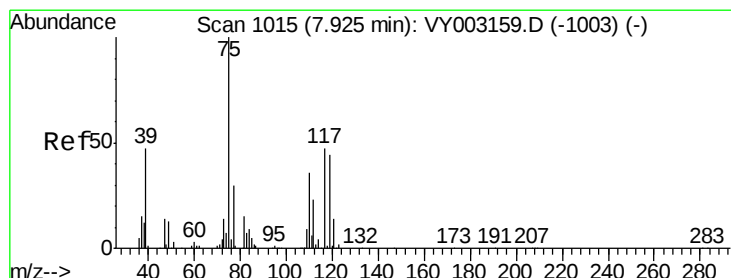
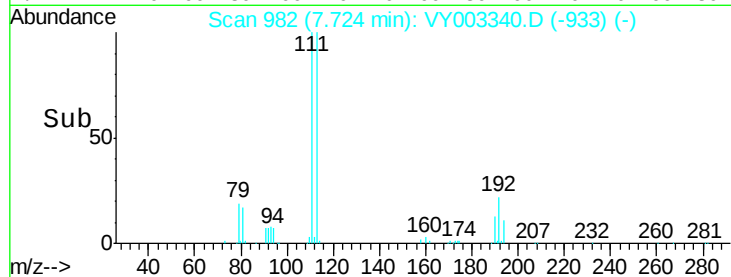
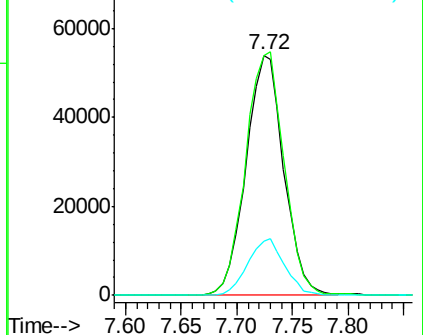
113 100

111 103.2 82.1 123.1

192 22.9 18.8 28.2



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: 5.342 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003340.D

Acq: 24 Jul 2020 18:27

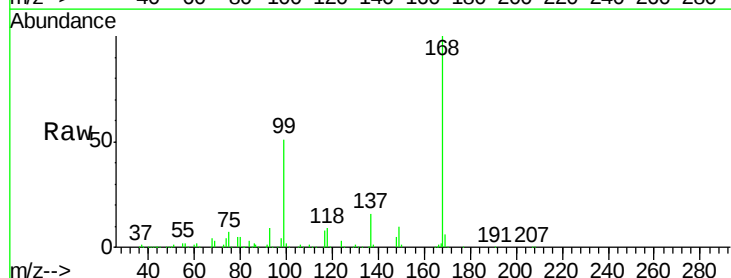
Tgt Ion: 75 Resp: 20435

Ion Ratio Lower Upper

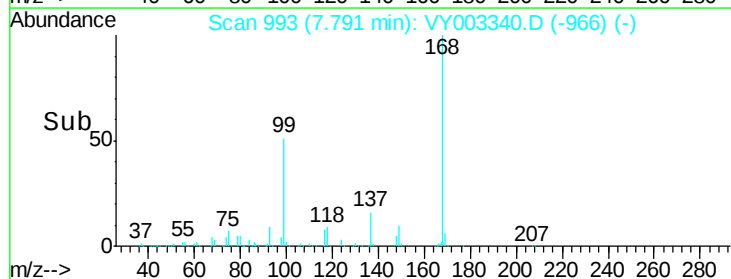
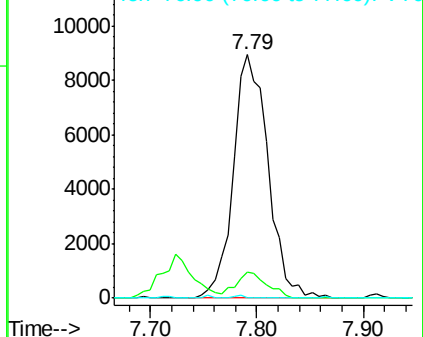
75 100

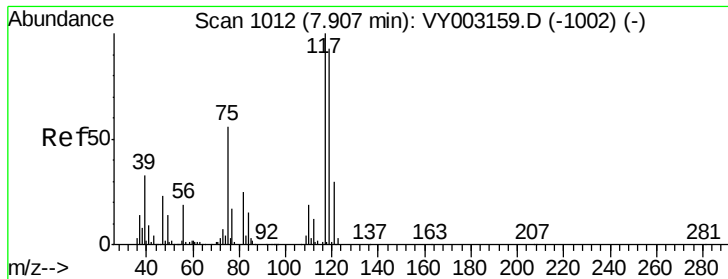
110 9.4 18.1 54.1#

77 0.3 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.626 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003340.D

Acq: 24 Jul 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

8

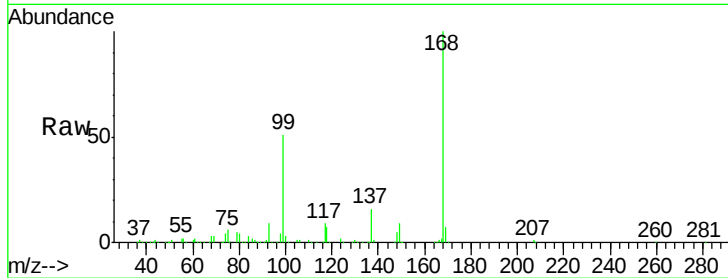
Tot Ion:117 Resp: 26169

Ion Ratio Lower Upper

117 100

119 4.3 74.5 111.7#

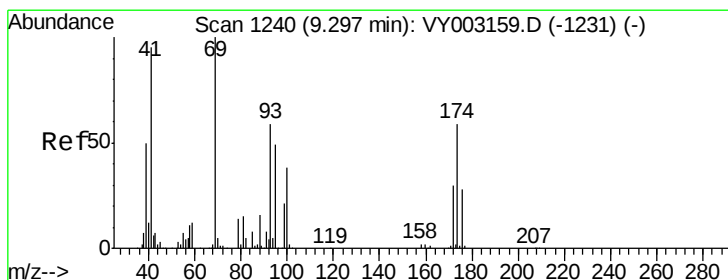
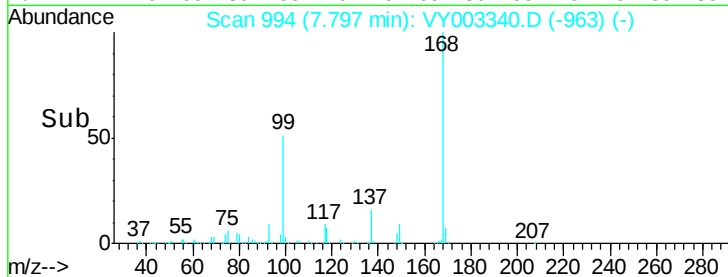
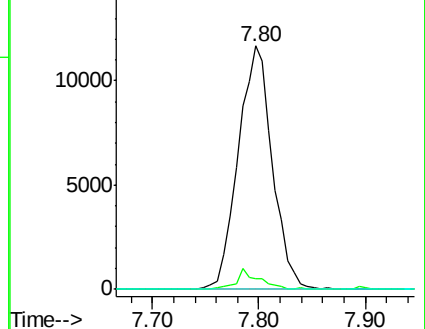
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 1.287 ug/l

RT: 9.27 min Scan# 1235

Delta R.T. -0.03 min

Lab File: VY003340.D

Acq: 24 Jul 2020 18:27

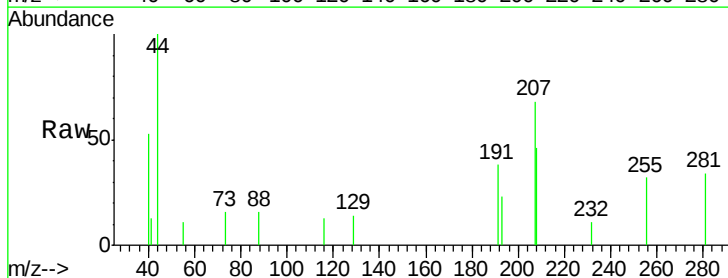
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 300.0 25.6 38.4#

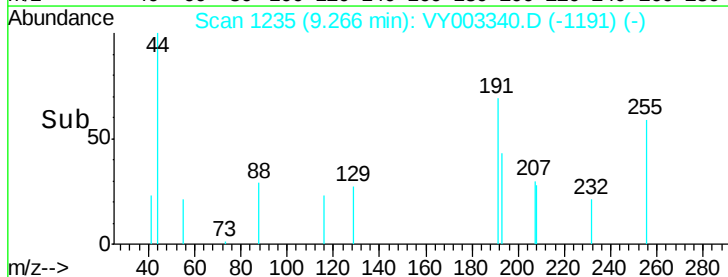
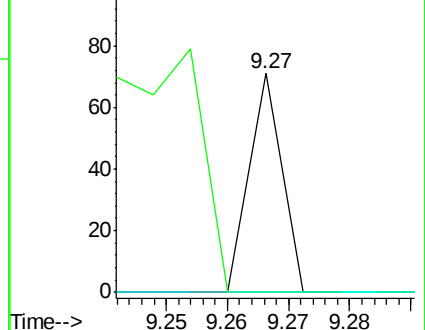
58 0.0 47.8 71.6#

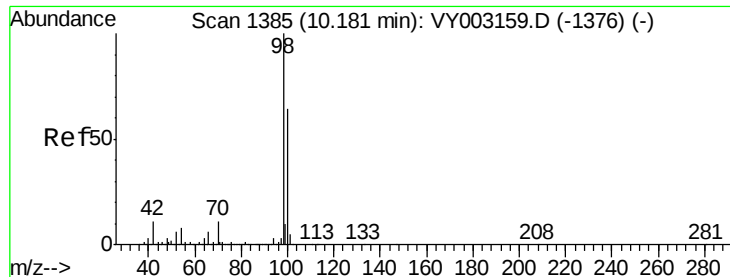


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 54.776 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003340.D

Acq: 24 Jul 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

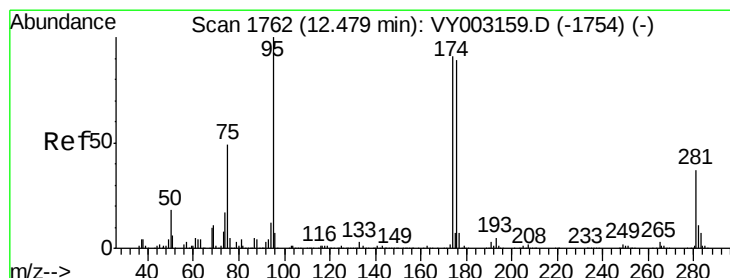
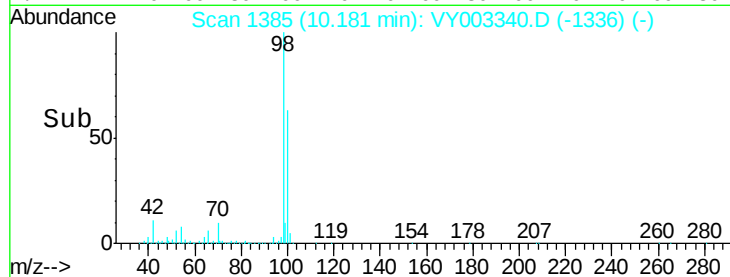
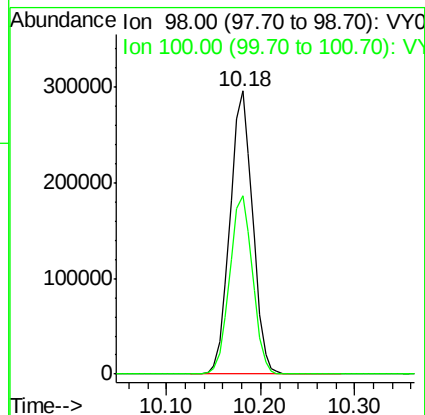
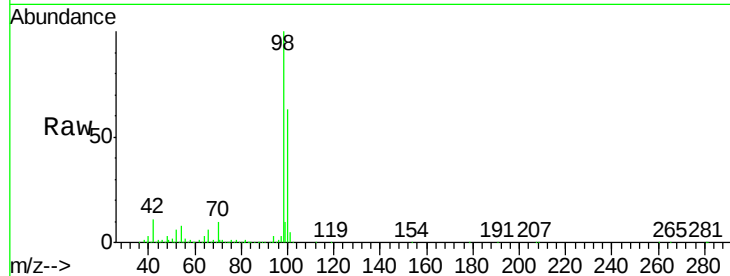
8

Tot Ion: 98 Resp: 494688

Ion Ratio Lower Upper

98 100

100 63.7 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 40.266 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003340.D

Acq: 24 Jul 2020 18:27

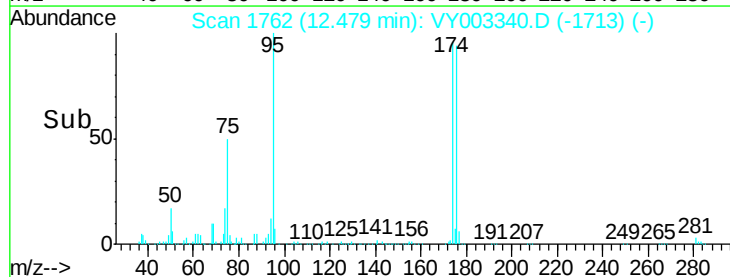
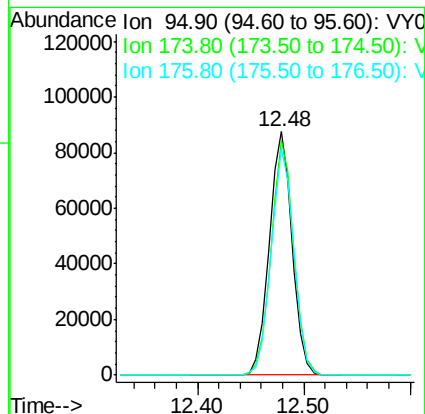
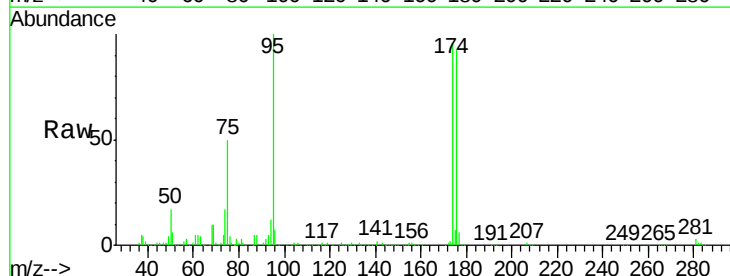
Tgt Ion: 95 Resp: 131369

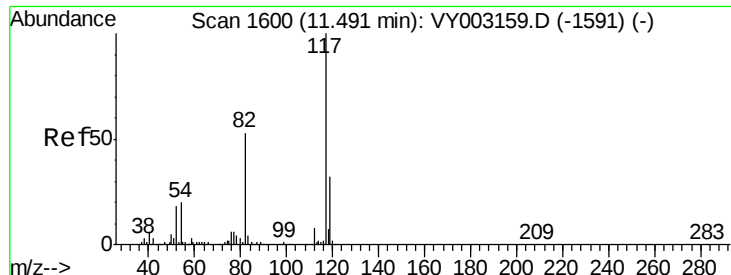
Ion Ratio Lower Upper

95 100

174 95.5 0.0 190.6

176 92.6 0.0 186.4

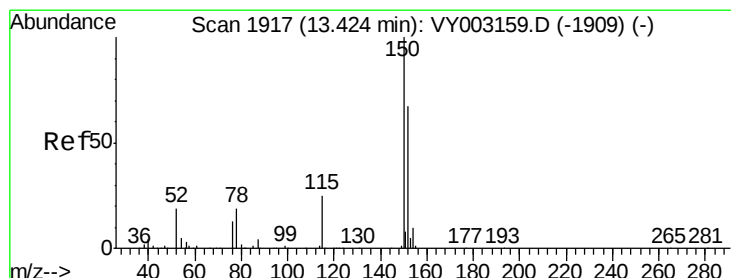
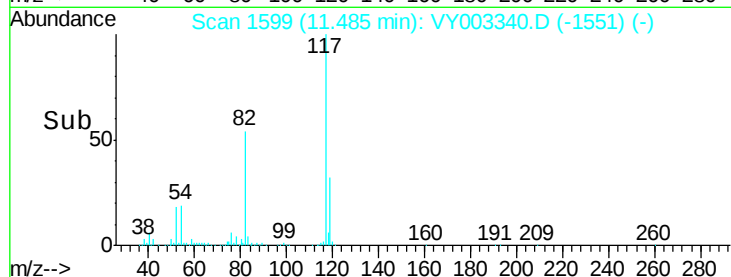
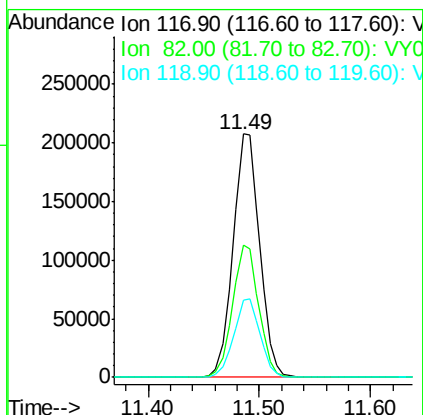
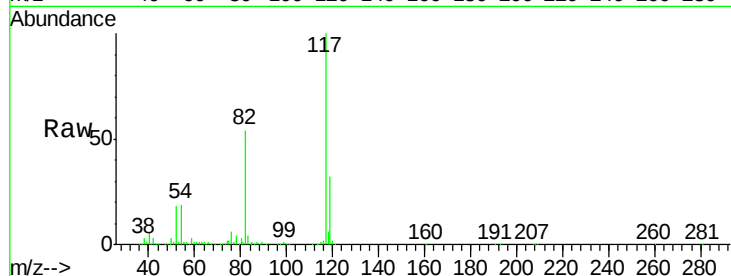




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003340.D
Acq: 24 Jul 2020 18:27

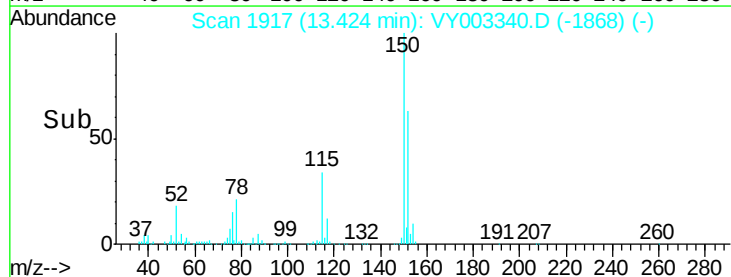
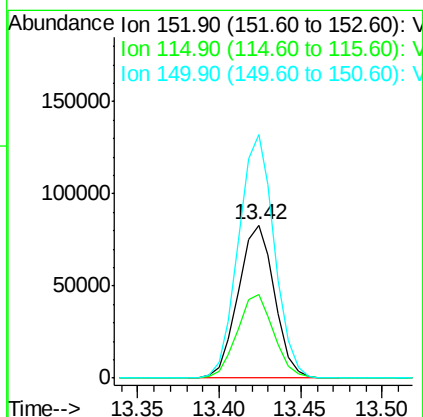
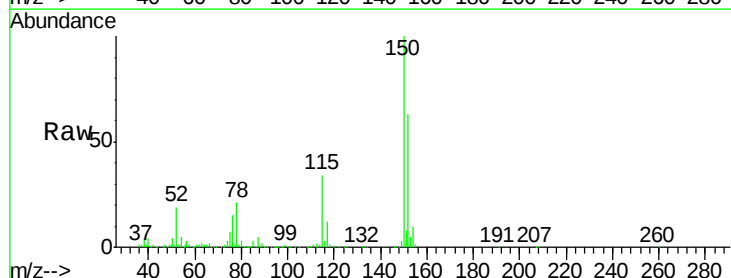
Instrument :
MSVOA_Y
ClientSampled :
8

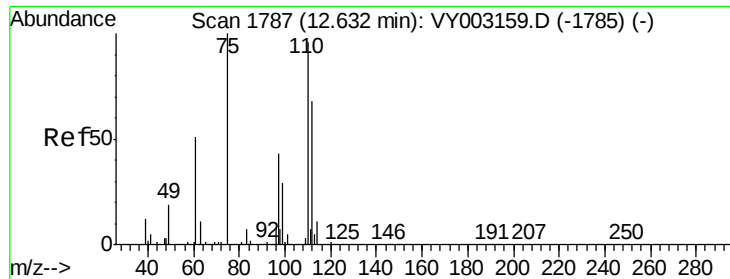
Tot Ion:117 Resp: 341146
Ion Ratio Lower Upper
117 100
82 54.1 42.0 63.0
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003340.D
Acq: 24 Jul 2020 18:27

Tgt Ion:152 Resp: 128360
Ion Ratio Lower Upper
152 100
115 55.0 26.9 80.7
150 157.4 0.0 338.0





#76

1,2,3-Trichloropropane

Concen: 60.011 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003340.D

Acq: 24 Jul 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

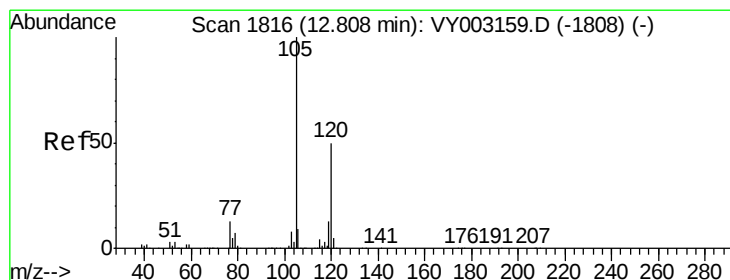
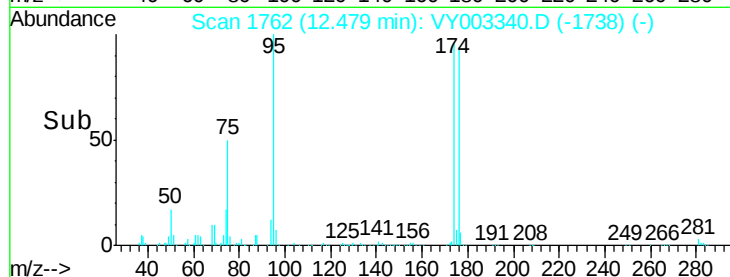
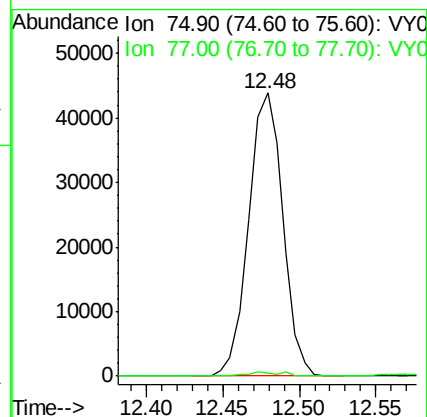
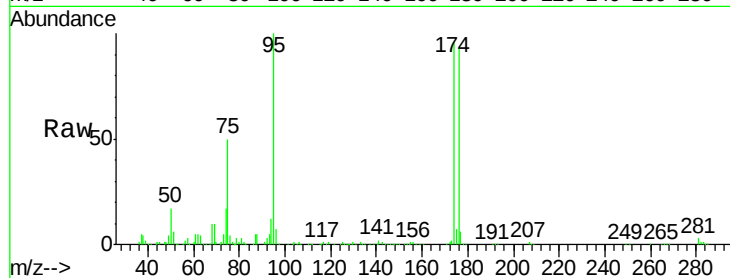
8

Tot Ion: 75 Resp: 68185

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 1.888 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003340.D

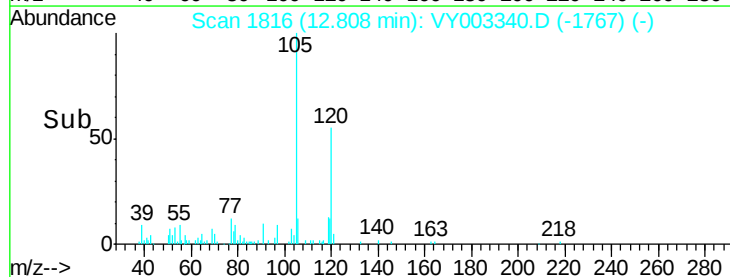
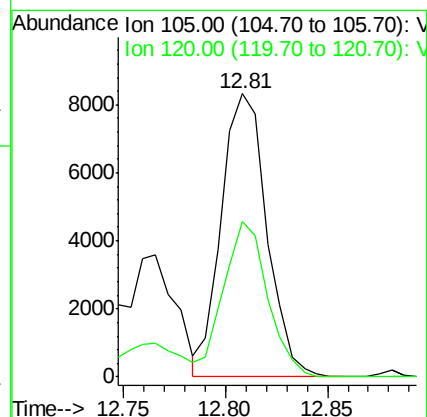
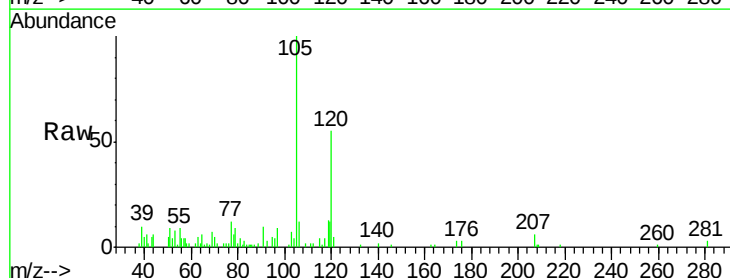
Acq: 24 Jul 2020 18:27

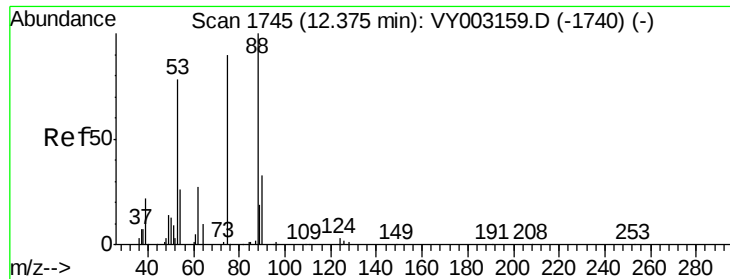
Tgt Ion: 105 Resp: 12875

Ion Ratio Lower Upper

105 100

120 53.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 116.793 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003340.D

Acq: 24 Jul 2020 18:27

Instrument :

MSVOA_Y

ClientSampleId :

8

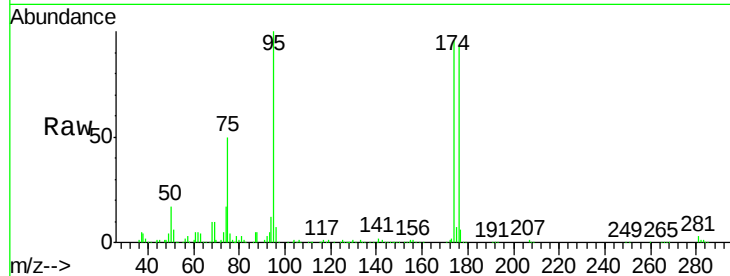
Tot Ion: 75 Resp: 68185

Ion Ratio Lower Upper

75 100

53 0.3 72.0 108.0#

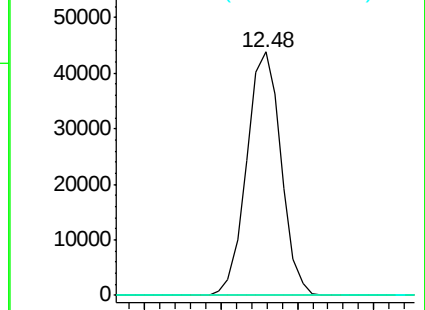
89 0.1 37.3 55.9#



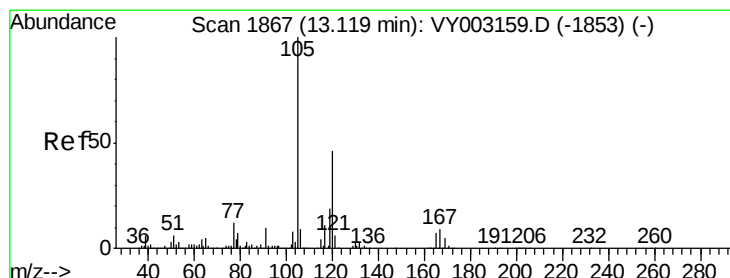
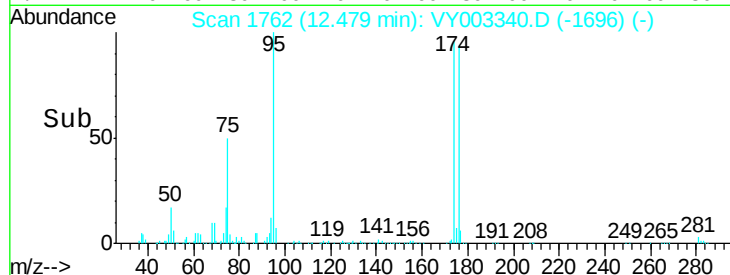
Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 1.625 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003340.D

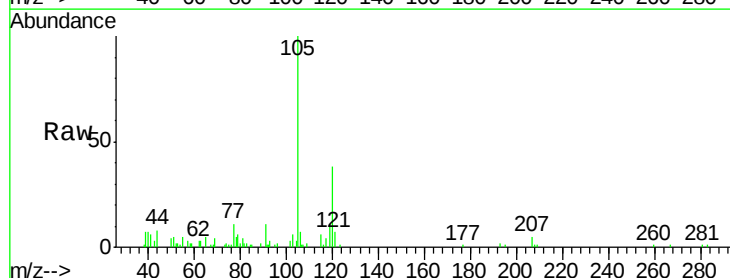
Acq: 24 Jul 2020 18:27

Tgt Ion:105 Resp: 11149

Ion Ratio Lower Upper

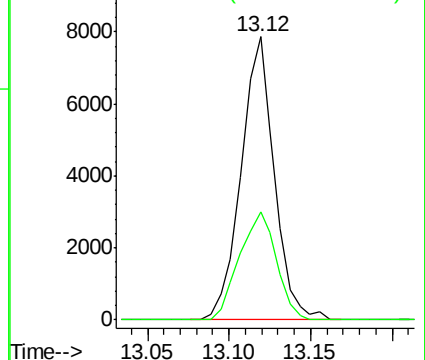
105 100

120 42.6 22.5 67.5

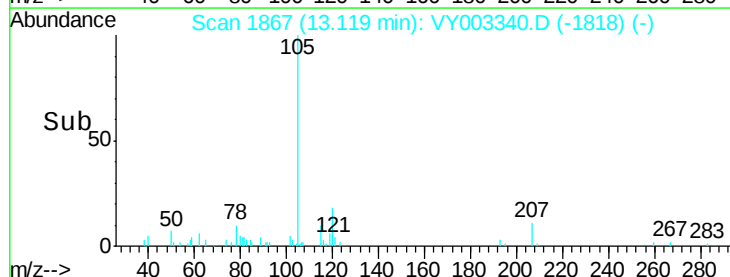


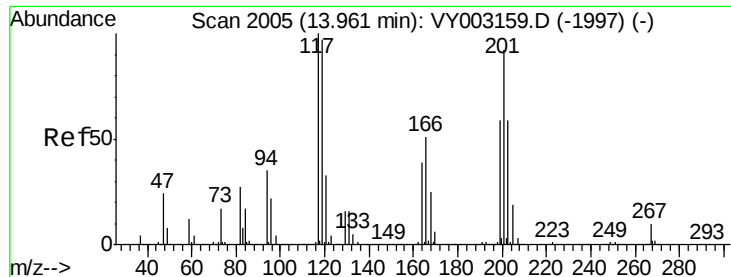
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#90

Hexachloroethane

Concen: 1.911 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY003340.D

Acq: 24 Jul 2020 18:27

Instrument :

MSVOA_Y

ClientSampled :

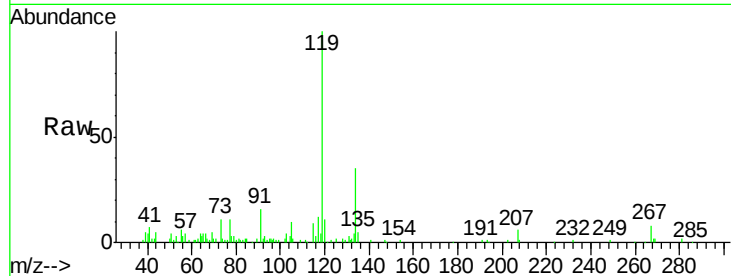
8

Tot Ion:117 Resp: 2686

Ion Ratio Lower Upper

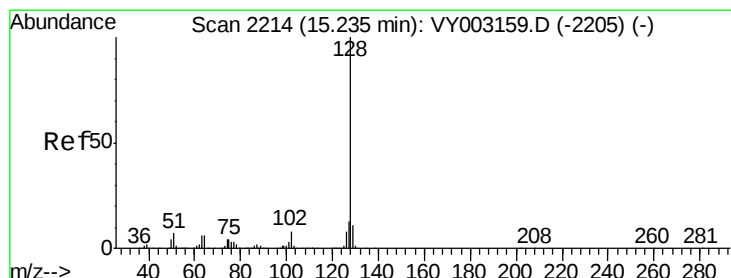
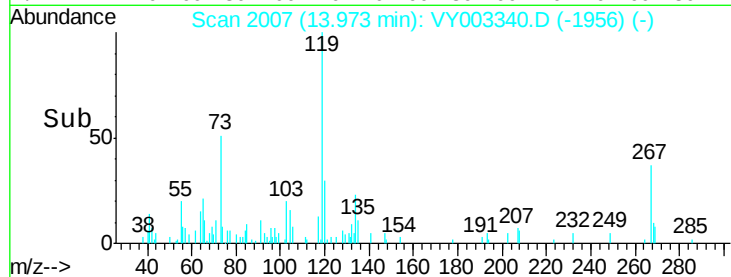
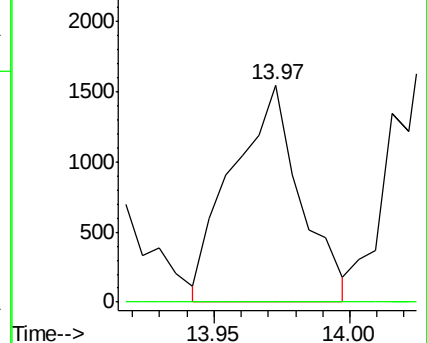
117 100

201 0.0 45.1 135.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 1.666 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003340.D

Acq: 24 Jul 2020 18:27

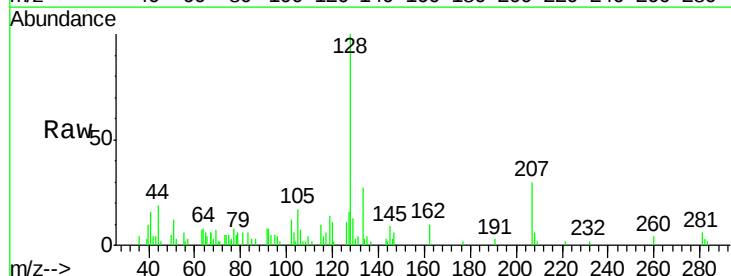
Tgt Ion:128 Resp: 6778

Ion Ratio Lower Upper

128 100

127 16.3 10.9 16.3

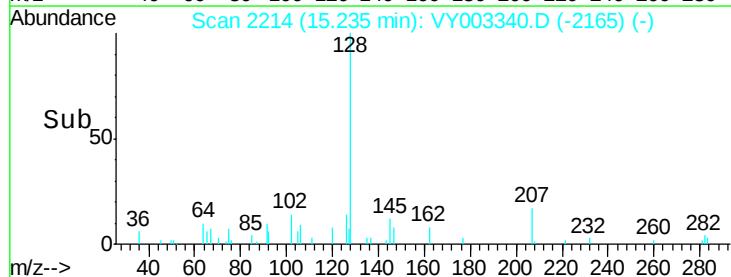
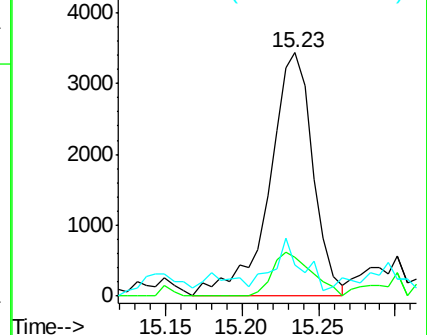
129 13.1 9.0 13.6

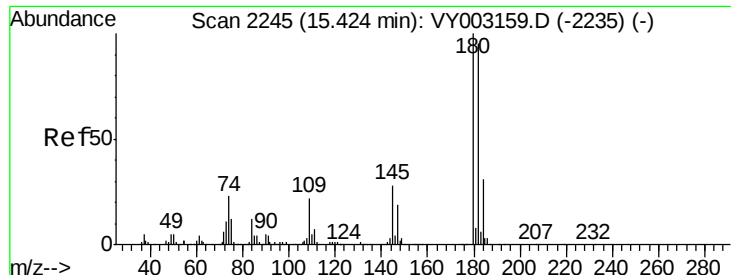


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.047 ug/l
 RT: 15.42 min Scan# 2244
 Delta R.T. -0.01 min
 Lab File: VY003340.D
 Acq: 24 Jul 2020 18:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 8

Tot Ion:180 Resp: 2038
 Ion Ratio Lower Upper
 180 100
 182 89.6 48.8 146.3
 145 92.2 14.9 44.5#

