

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072420\
 Data File : VY003347.D
 Acq On : 24 Jul 2020 21:14
 Operator : SY/MD
 Sample : L3436-15
 Misc : 6.29G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 15

Quant Time: Jul 25 01:43:31 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	434212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	676267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	591723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	234461	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	220358	60.13	ug/l	0.00
Spiked Amount			Recovery	=	120.26%	
35) Dibromofluoromethane	7.72	113	212791	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	
50) Toluene-d8	10.18	98	802462	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	
62) 4-Bromofluorobenzene	12.48	95	235351	45.03	ug/l	0.00
Spiked Amount			Recovery	=	90.06%	

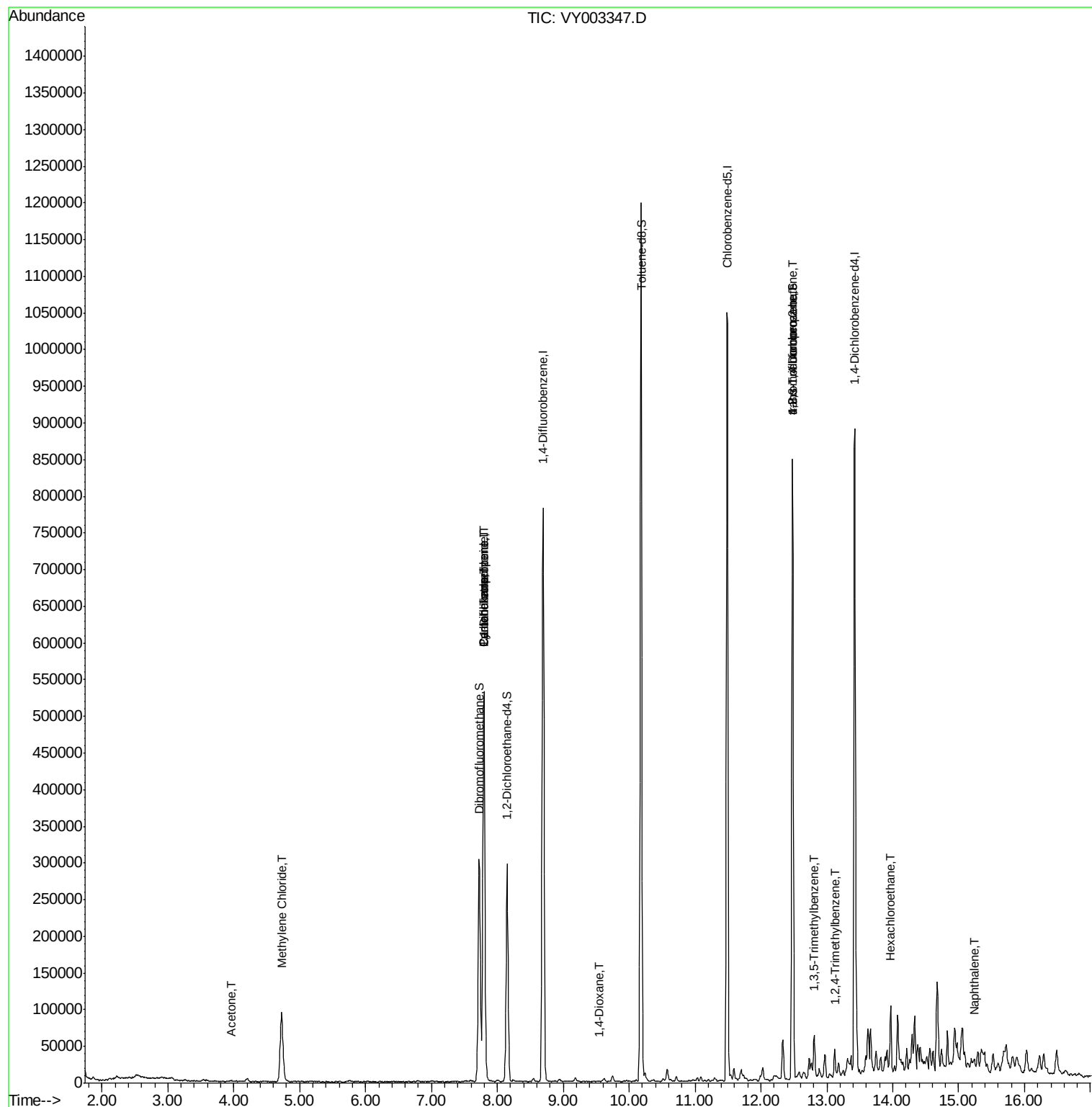
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	2565	3.133	ug/l #	87
20) Methylene Chloride	4.72	84	72726	13.663	ug/l	97
31) Cyclohexane	7.80	56	8414	1.262	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	30373	4.955	ug/l #	49
38) Carbon Tetrachloride	7.80	117	38160	6.031	ug/l #	19
49) 1,4-Dioxane	9.54	88	49	1.514	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	121501	58.544	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	23748	1.907	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.48	75	121501	113.938	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	19518	1.558	ug/l	97
90) Hexachloroethane	13.97	117	4736	1.844	ug/l #	5
95) Naphthalene	15.23	128	8679	1.168	ug/l	98

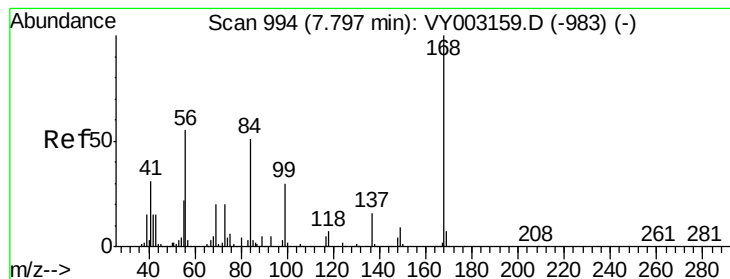
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003347.D

Acq: 24 Jul 2020 21:14

Instrument :

MSVOA_Y

ClientSampleId :

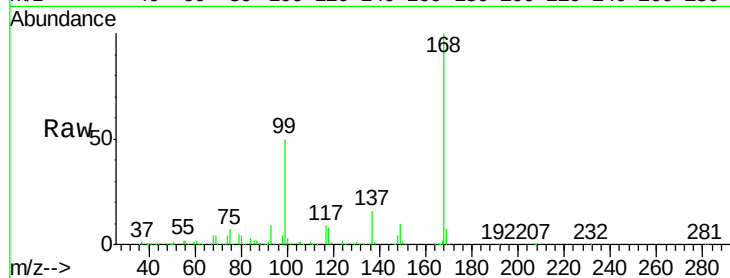
15

Tot Ion:168 Resp: 434212

Ion Ratio Lower Upper

168 100

99 50.4 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003347.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003347.D (-945) (-)

7.80

200000

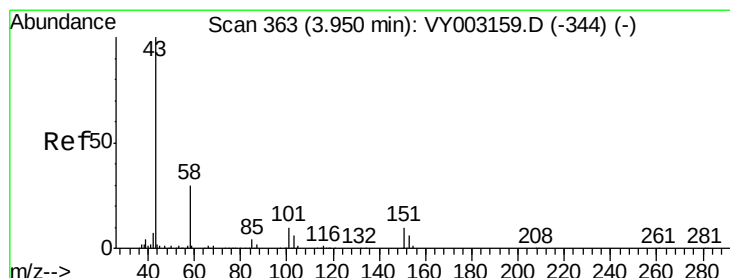
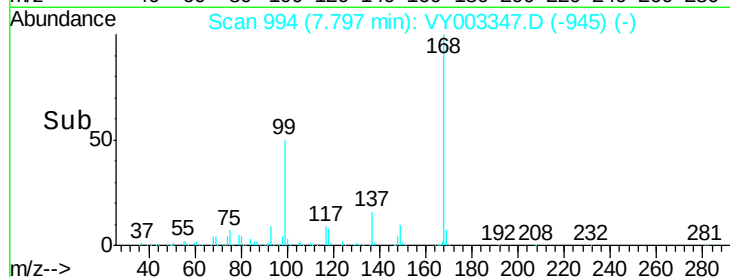
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 3.133 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003347.D

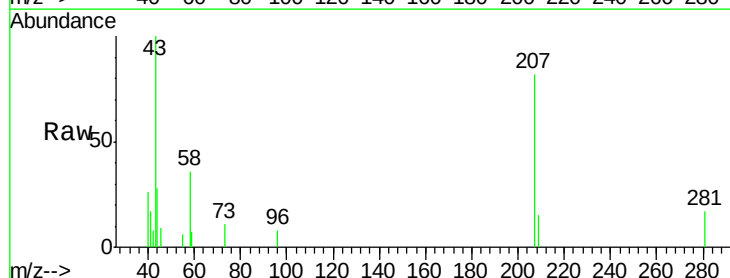
Acq: 24 Jul 2020 21:14

Tgt Ion: 43 Resp: 2565

Ion Ratio Lower Upper

43 100

58 36.5 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VY003347.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003347.D (-314) (-)

3.96

1000

800

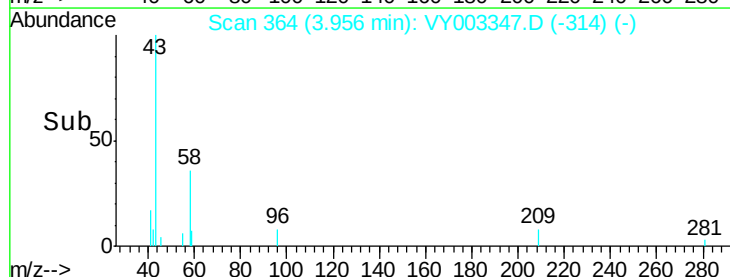
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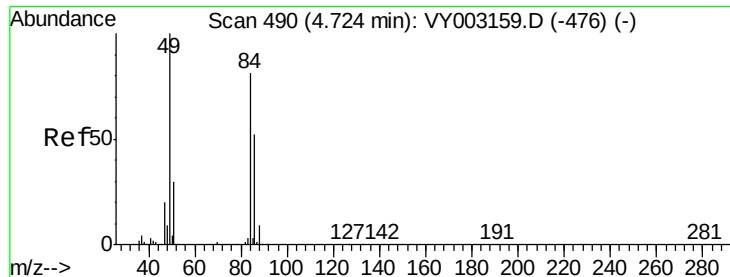
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200

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Time-->

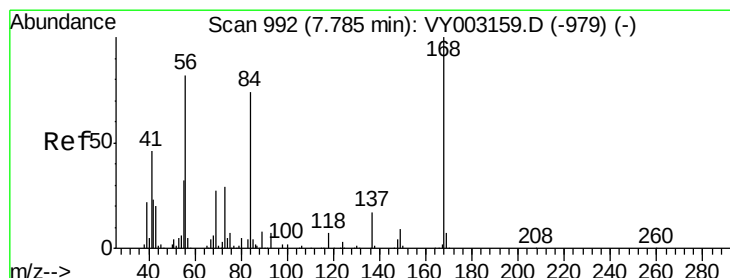
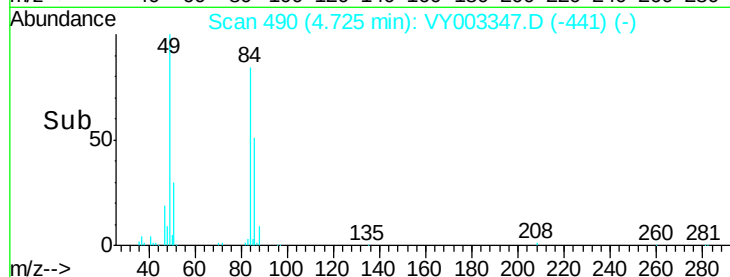
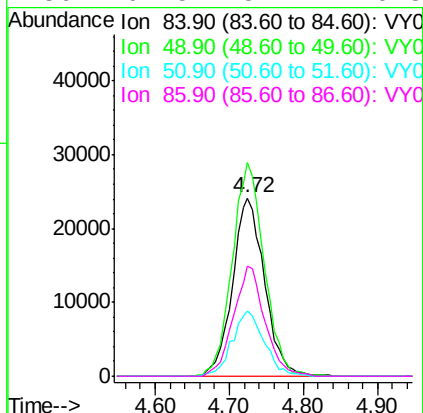
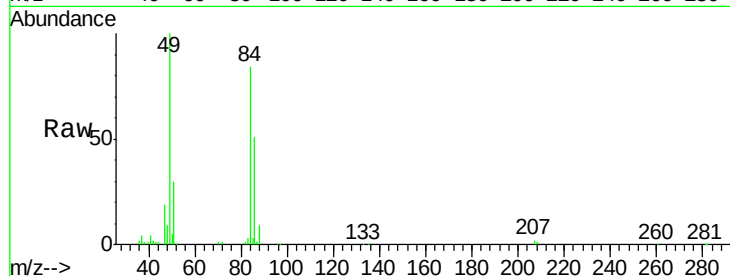




#20
Methylene Chloride
Concen: 13.663 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003347.D
Acq: 24 Jul 2020 21:14

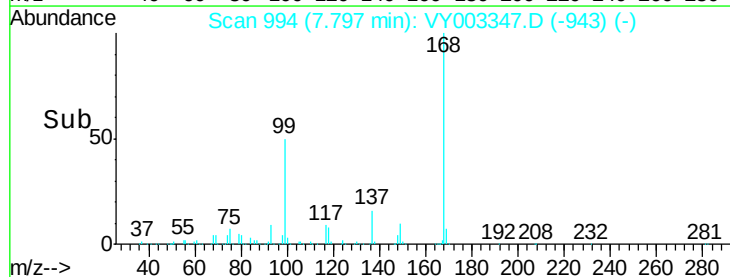
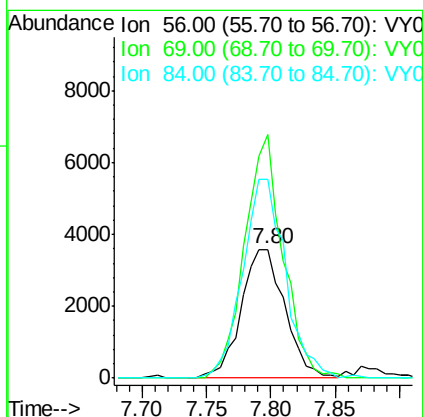
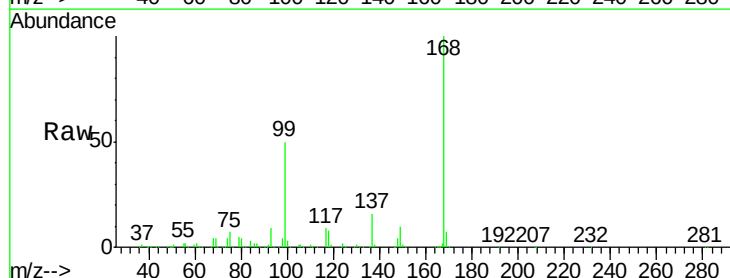
Instrument :
MSVOA_Y
ClientSampleId :
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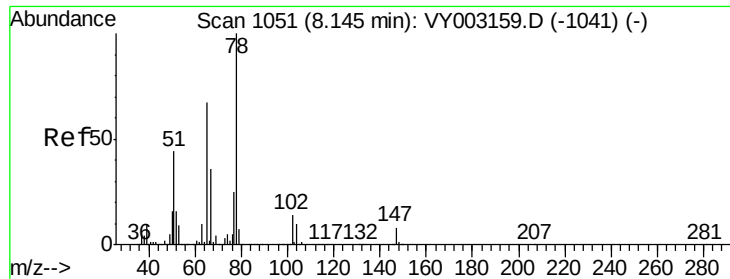
Tot Ion:	84	Resp:	72726
Ion	Ratio	Lower	Upper
84	100		
49	119.7	98.2	147.4
51	36.4	29.8	44.6
86	61.5	51.2	76.8



#31
Cyclohexane
Concen: 1.262 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003347.D
Acq: 24 Jul 2020 21:14

Tgt Ion:	56	Resp:	8414
Ion	Ratio	Lower	Upper
56	100		
69	188.7	26.7	40.1#
84	154.3	72.3	108.5#

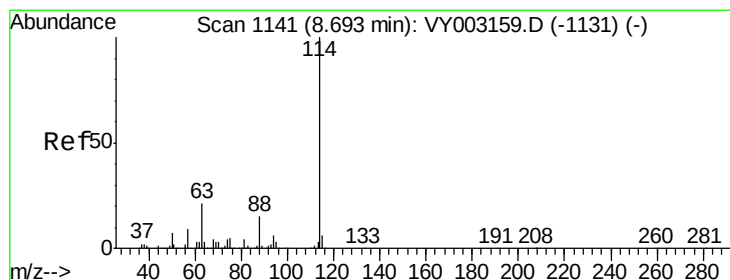
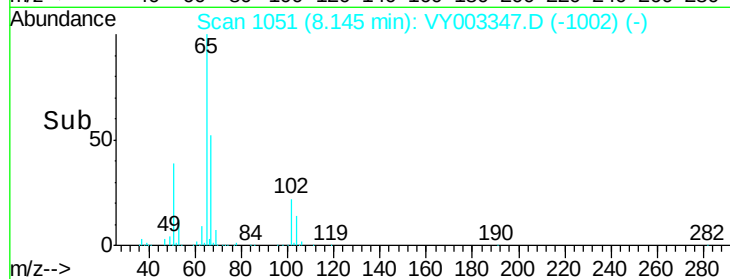
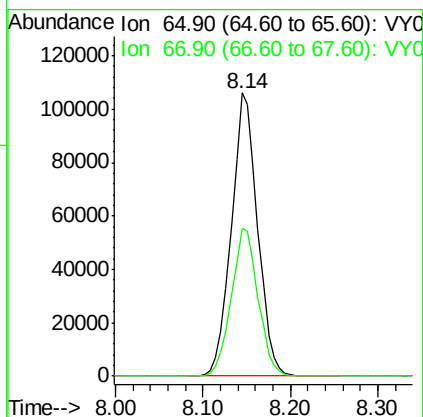
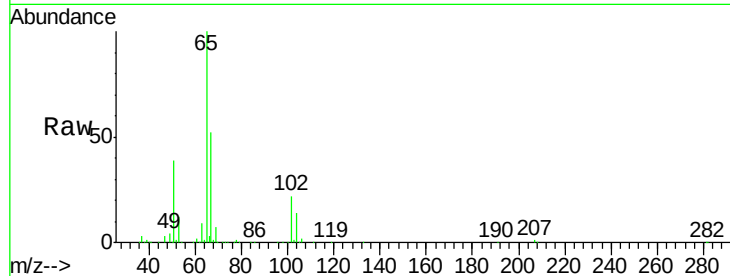




#33
 1,2-Dichloroethane-d4
 Concen: 60.127 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003347.D
 Acq: 24 Jul 2020 21:14

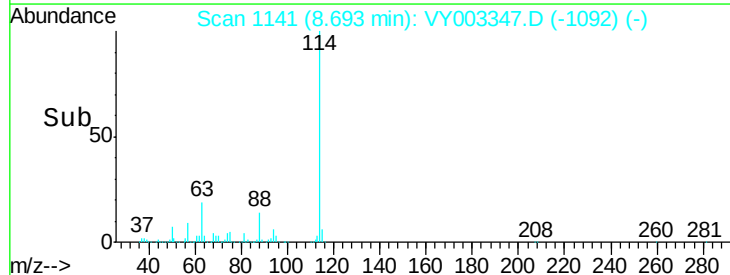
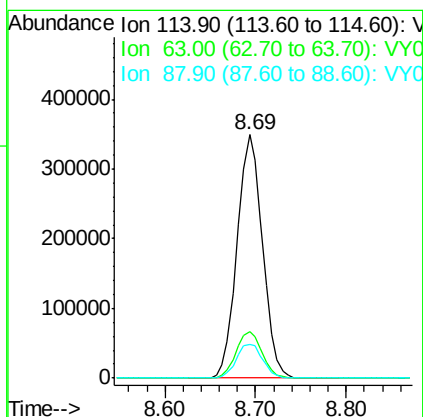
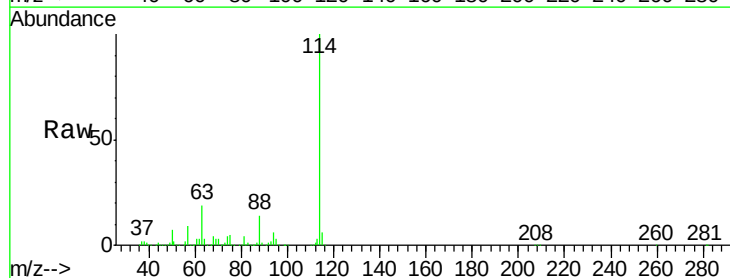
Instrument :
 MSVOA_Y
 ClientSampleId :
 15

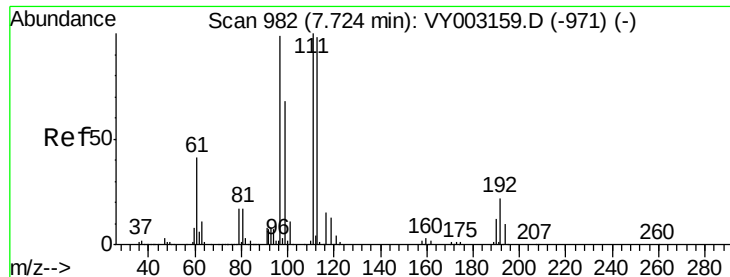
Tot Ion: 65 Resp: 220358
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003347.D
 Acq: 24 Jul 2020 21:14

Tgt Ion: 114 Resp: 676267
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.2
 88 13.9 0.0 30.2

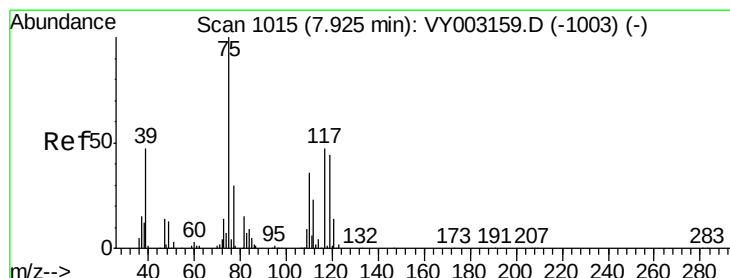
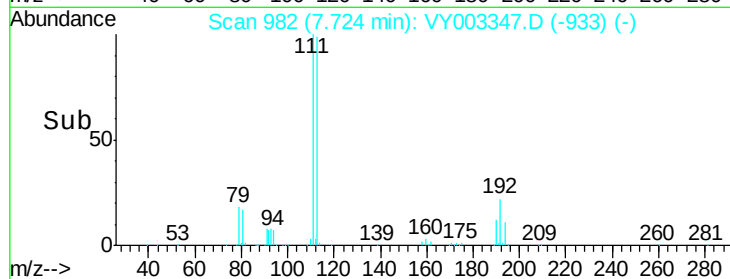
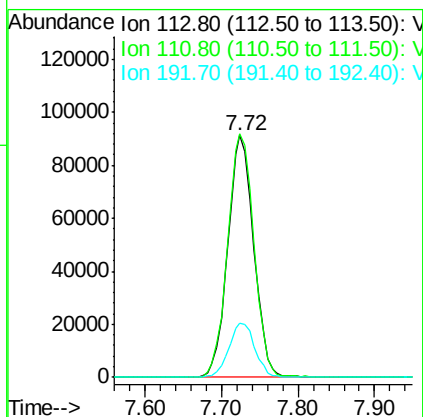
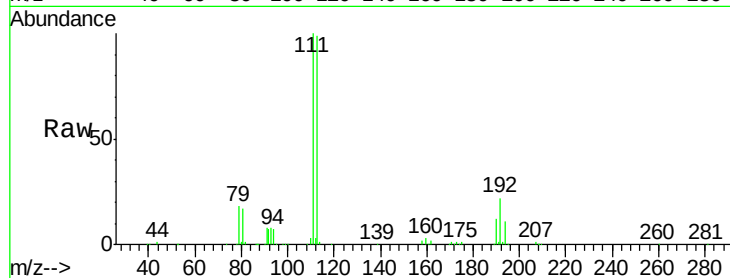




#35
 Dibromofluoromethane
 Concen: 54.677 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003347.D
 Acq: 24 Jul 2020 21:14

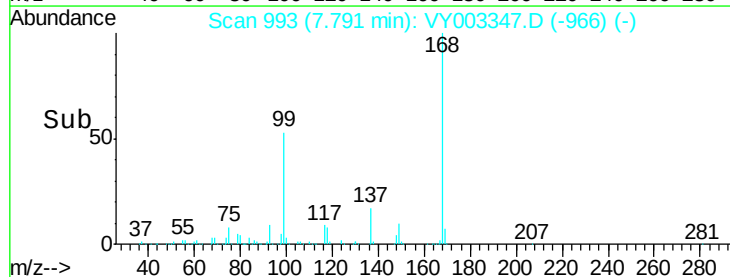
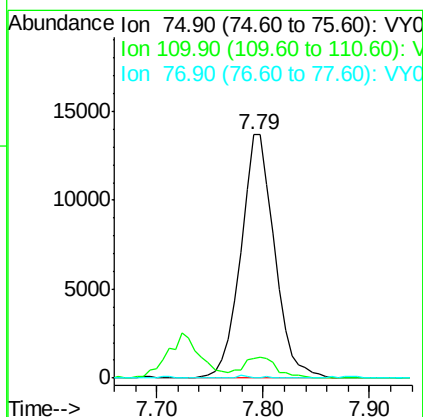
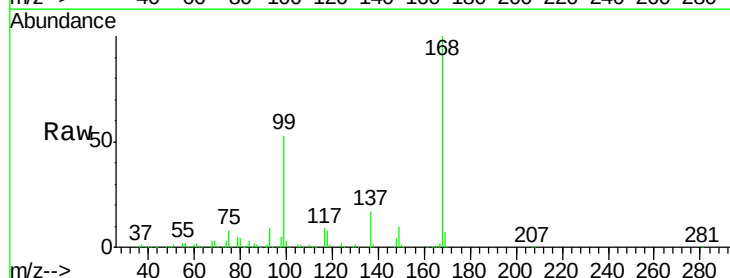
Instrument :
 MSVOA_Y
 ClientSampleId :
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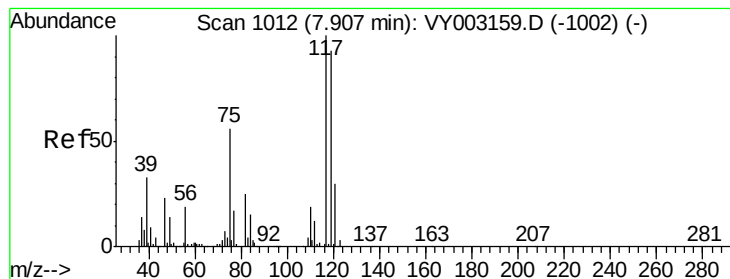
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.1	123.1
192	22.7	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.955 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003347.D
 Acq: 24 Jul 2020 21:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.1#
77	0.4	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.031 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003347.D

Acq: 24 Jul 2020 21:14

Instrument :

MSVOA_Y

ClientSampled :

15

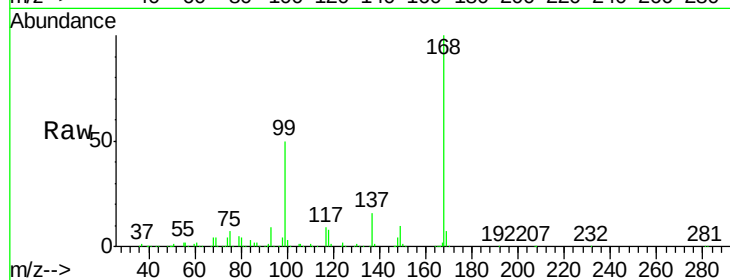
Tot Ion:117 Resp: 38160

Ion Ratio Lower Upper

117 100

119 7.5 74.5 111.7#

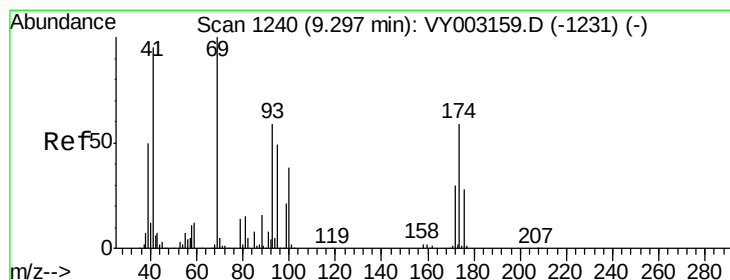
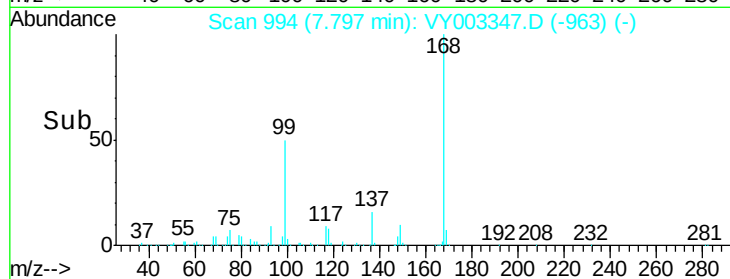
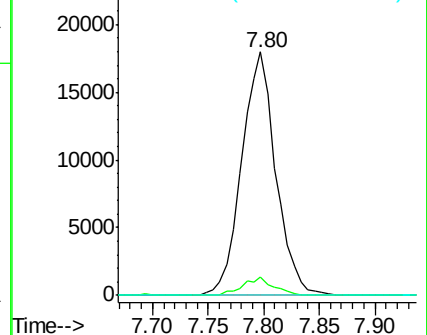
121 0.0 24.2 36.2#



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: 1.514 ug/l

RT: 9.54 min Scan# 1280

Delta R.T. 0.24 min

Lab File: VY003347.D

Acq: 24 Jul 2020 21:14

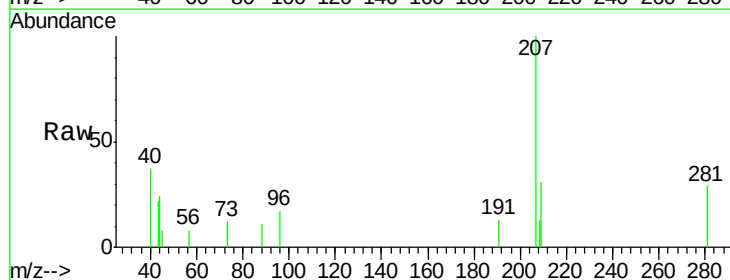
Tgt Ion: 88 Resp: 49

Ion Ratio Lower Upper

88 100

43 451.0 25.6 38.4#

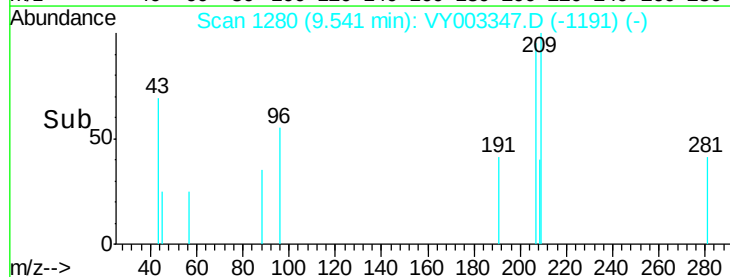
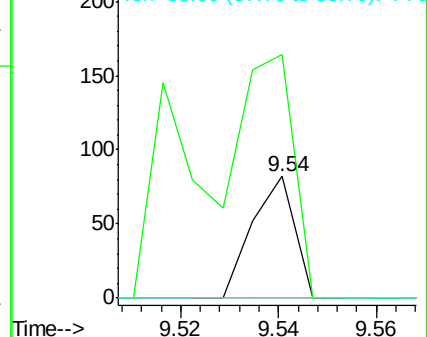
58 0.0 47.8 71.6#

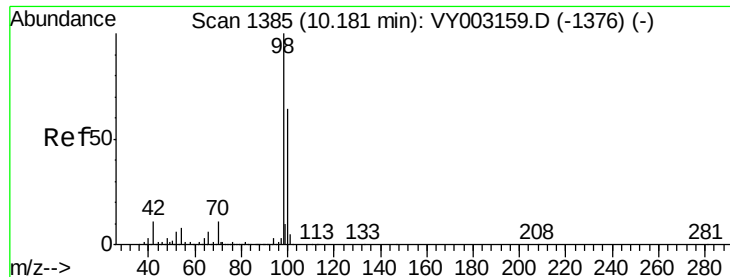


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

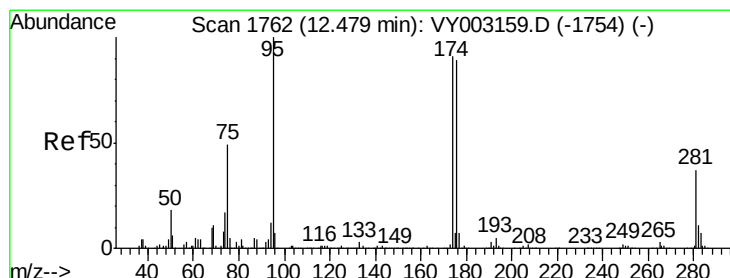
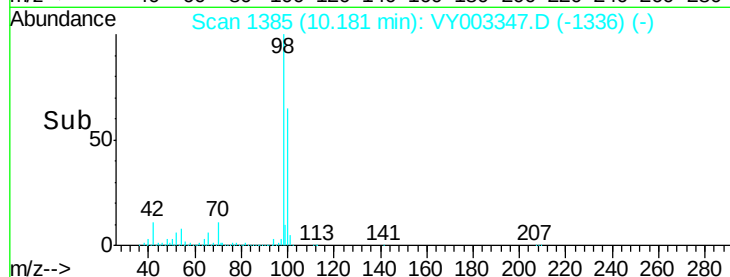
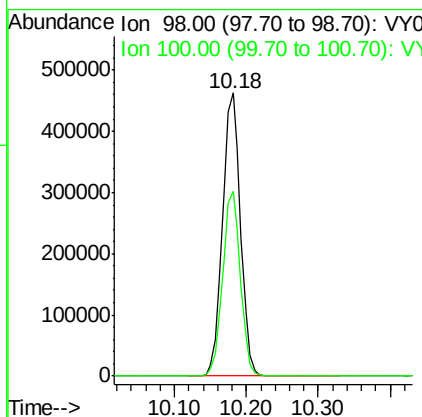
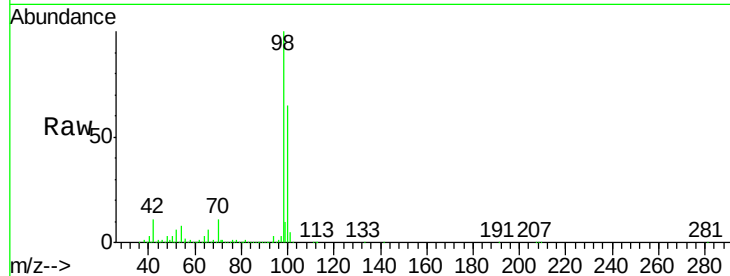




#50
Toluene-d8
Concen: 55.461 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003347.D
Acq: 24 Jul 2020 21:14

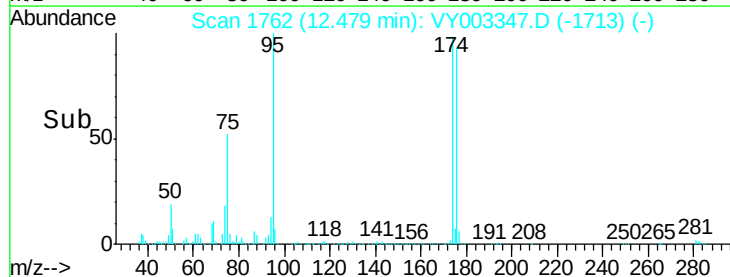
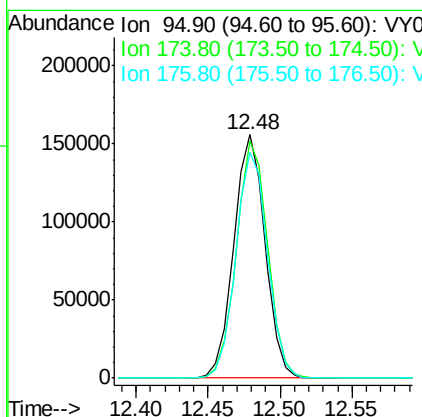
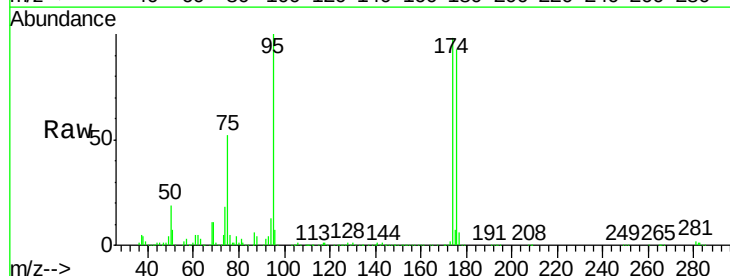
Instrument :
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15

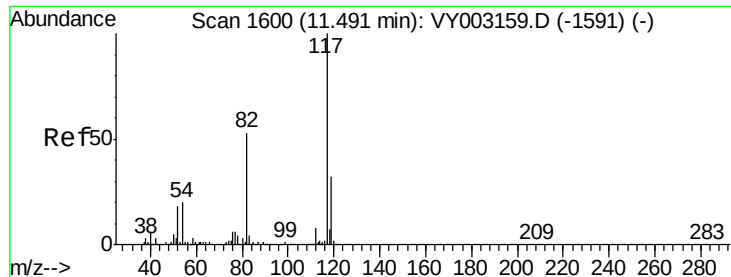
Tot Ion: 98 Resp: 802462
Ion Ratio Lower Upper
98 100
100 64.4 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 45.026 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003347.D
Acq: 24 Jul 2020 21:14

Tgt Ion: 95 Resp: 235351
Ion Ratio Lower Upper
95 100
174 97.3 0.0 190.6
176 93.6 0.0 186.4

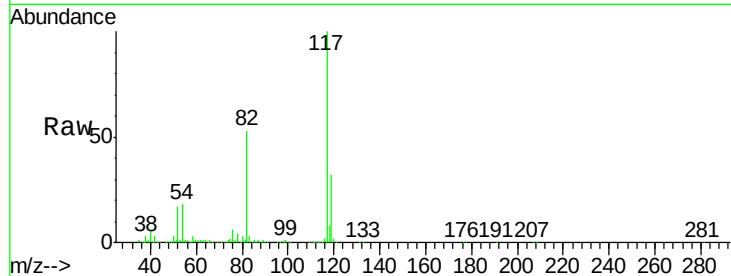




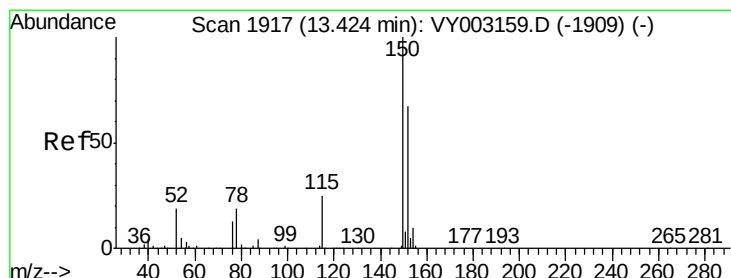
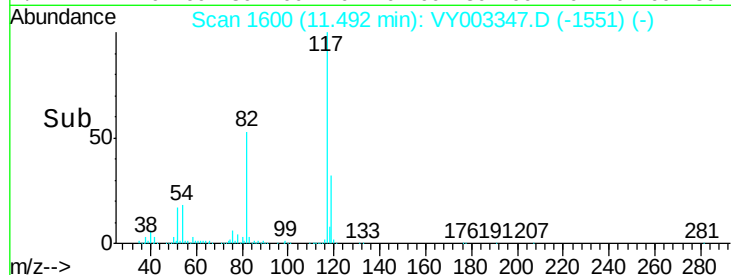
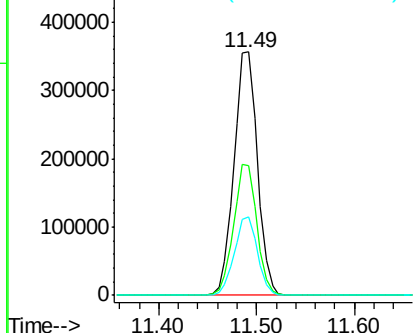
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003347.D
Acq: 24 Jul 2020 21:14

Instrument :
MSVOA_Y
ClientSampleId :
15

Tot Ion:117 Resp: 591723
Ion Ratio Lower Upper
117 100
82 53.1 42.0 63.0
119 32.1 25.5 38.3

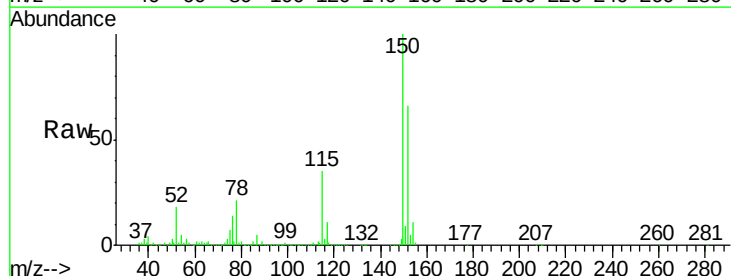


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

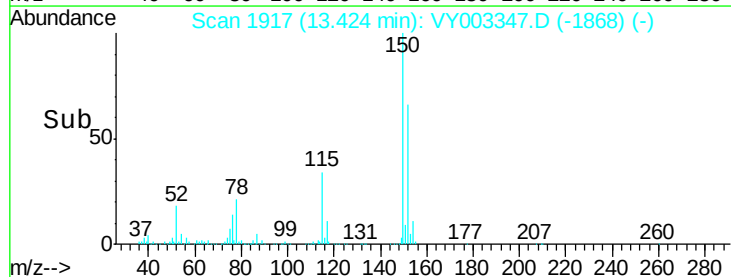
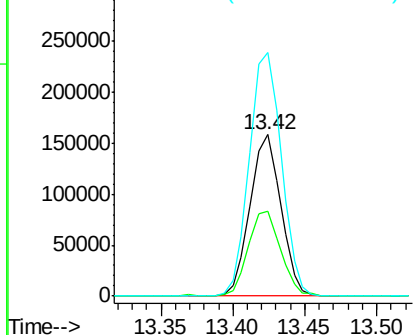


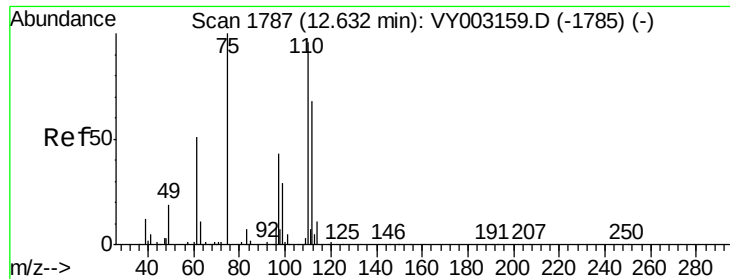
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003347.D
Acq: 24 Jul 2020 21:14

Tgt Ion:152 Resp: 234461
Ion Ratio Lower Upper
152 100
115 54.9 26.9 80.7
150 157.0 0.0 338.0



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: 58.544 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003347.D

Acq: 24 Jul 2020 21:14

Instrument :

MSVOA_Y

ClientSampleId :

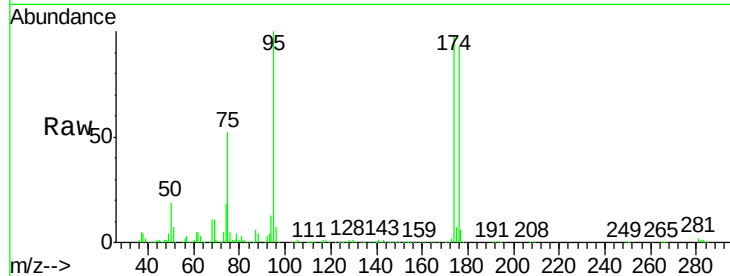
15

Tot Ion: 75 Resp: 121501

Ion Ratio Lower Upper

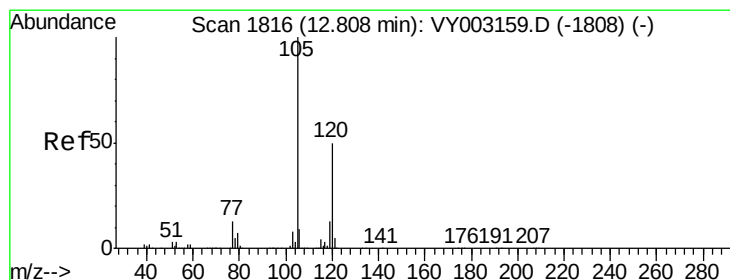
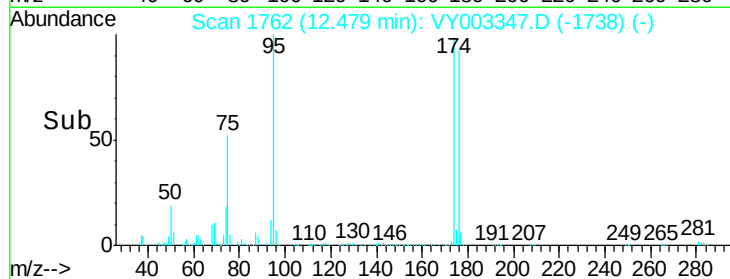
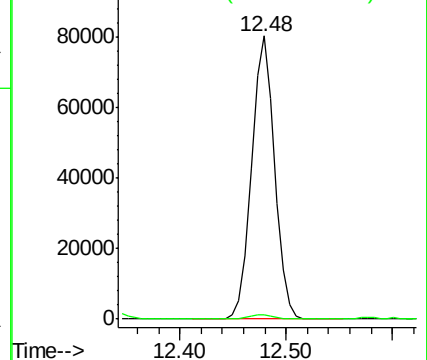
75 100

77 2.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#80

1,3,5-Trimethylbenzene

Concen: 1.907 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY003347.D

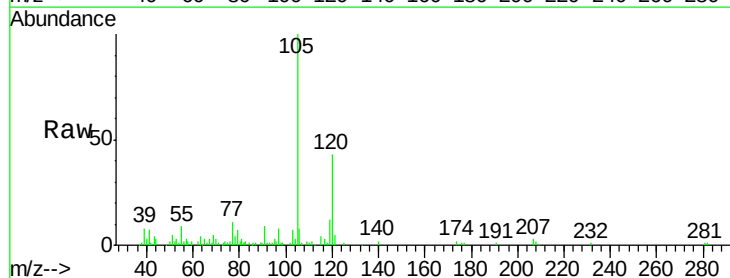
Acq: 24 Jul 2020 21:14

Tgt Ion: 105 Resp: 23748

Ion Ratio Lower Upper

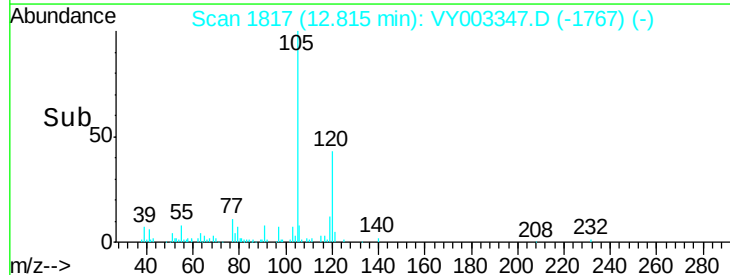
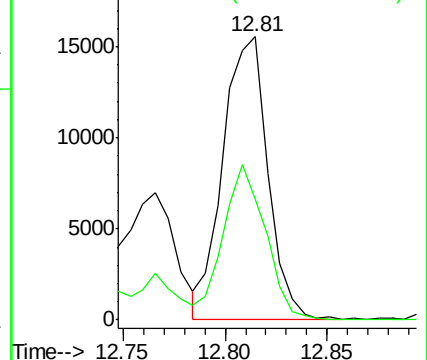
105 100

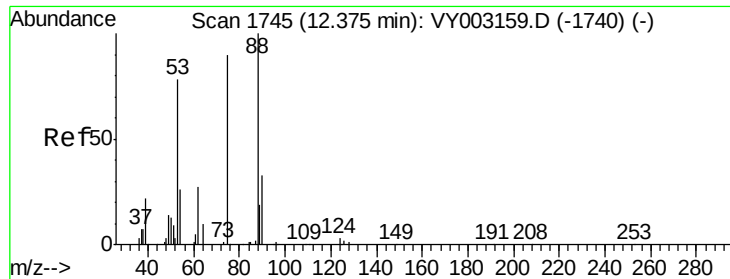
120 51.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 113.938 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003347.D

Acq: 24 Jul 2020 21:14

Instrument :

MSVOA_Y

ClientSampleId :

15

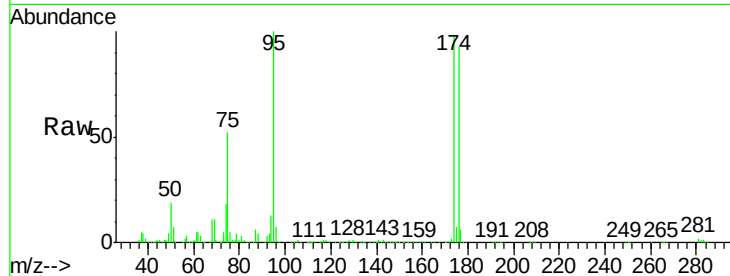
Tot Ion: 75 Resp: 121501

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

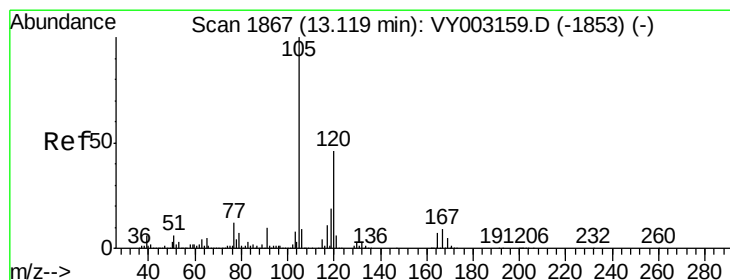
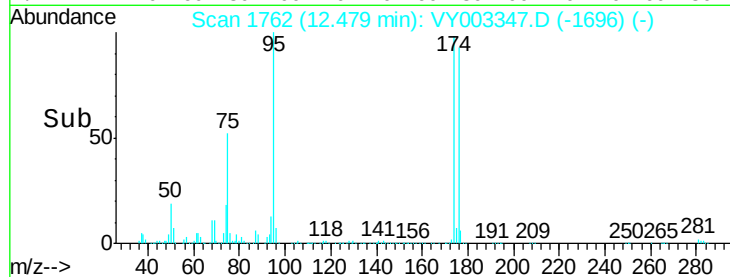
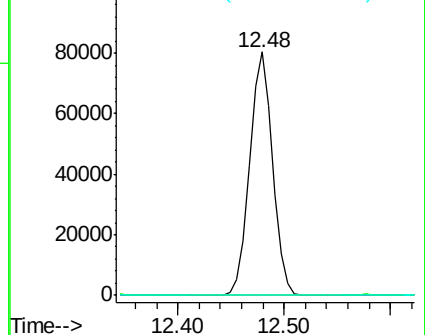
89 0.2 37.3 55.9#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.558 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY003347.D

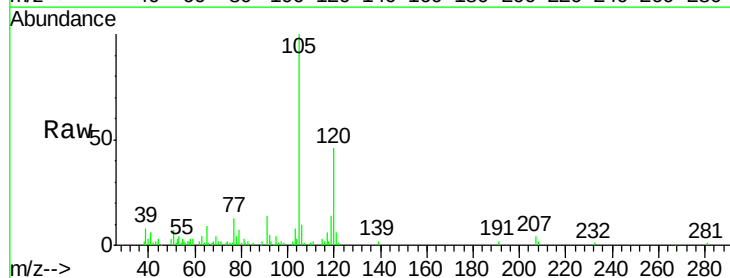
Acq: 24 Jul 2020 21:14

Tgt Ion:105 Resp: 19518

Ion Ratio Lower Upper

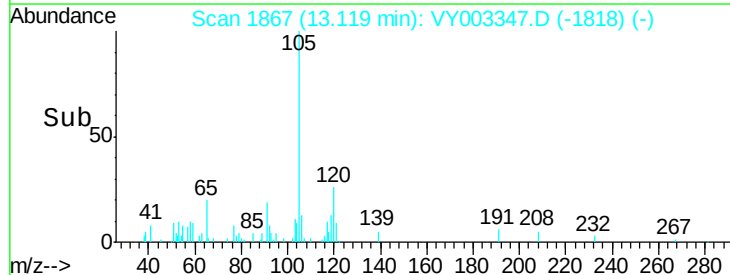
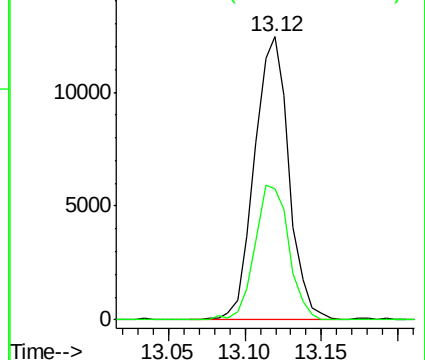
105 100

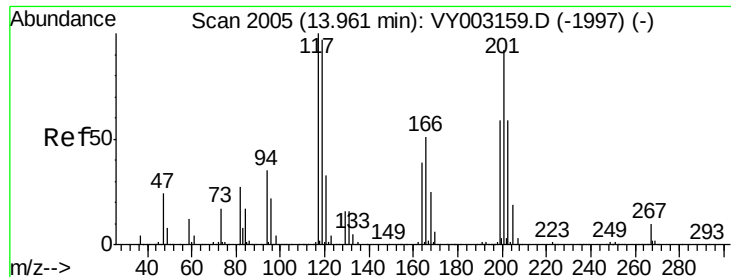
120 47.0 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 1.844 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY003347.D

Acq: 24 Jul 2020 21:14

Instrument :

MSVOA_Y

ClientSampleId :

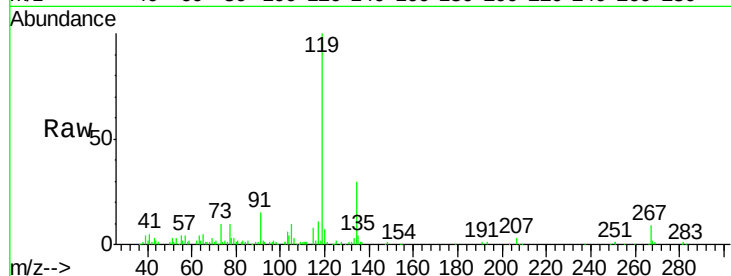
15

Tot Ion:117 Resp: 4736

Ion Ratio Lower Upper

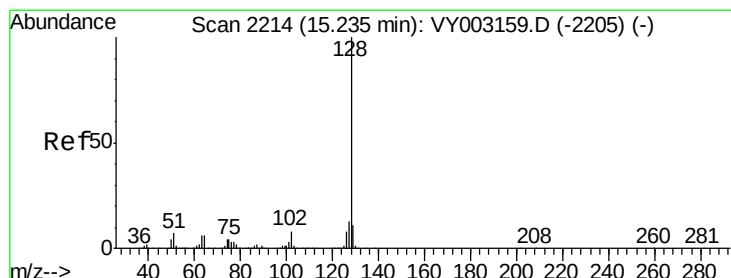
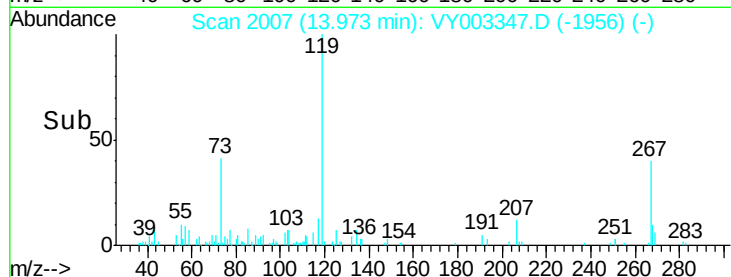
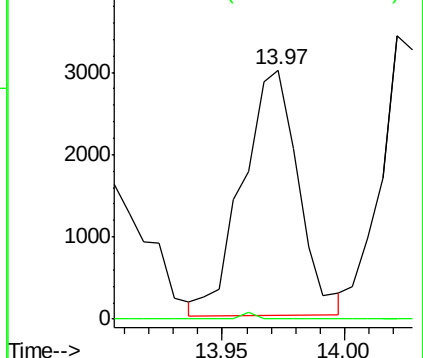
117 100

201 0.7 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: 1.168 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY003347.D

Acq: 24 Jul 2020 21:14

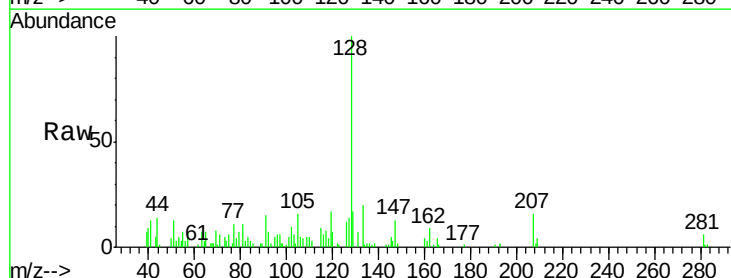
Tgt Ion:128 Resp: 8679

Ion Ratio Lower Upper

128 100

127 14.5 10.9 16.3

129 11.0 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

