

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072420\
 Data File : VY003342.D
 Acq On : 24 Jul 2020 19:14
 Operator : SY/MD
 Sample : L3436-10
 Misc : 6.73G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 10

Quant Time: Jul 25 01:41:43 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	449896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	695734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	592418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	226574	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	219527	57.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.62%	
35) Dibromofluoromethane	7.72	113	217025	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
50) Toluene-d8	10.18	98	818868	55.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.02%	
62) 4-Bromofluorobenzene	12.48	95	232590	43.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.50%	

Target Compounds

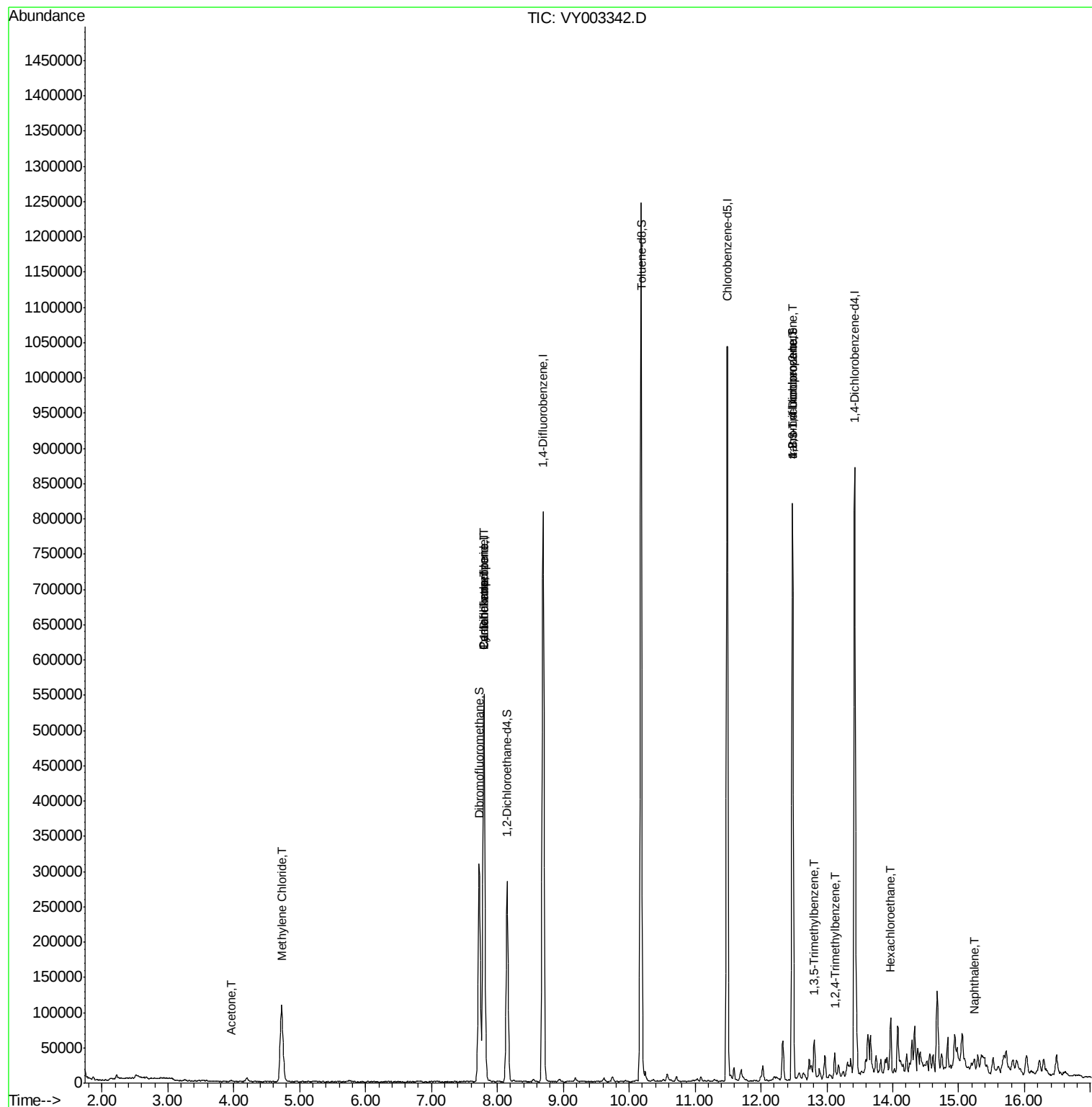
					Qvalue	
16) Acetone	3.96	43	2960	3.490	ug/l #	89
20) Methylene Chloride	4.72	84	82320	15.497	ug/l	98
31) Cyclohexane	7.80	56	8715	1.262	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	31026	4.920	ug/l #	49
38) Carbon Tetrachloride	7.79	117	41141	6.320	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	118962	59.316	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	23320	1.938	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	118962	115.440	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	18615	1.537	ug/l	99
90) Hexachloroethane	13.97	117	4289	1.728	ug/l #	5
95) Naphthalene	15.23	128	11033	1.536	ug/l #	96

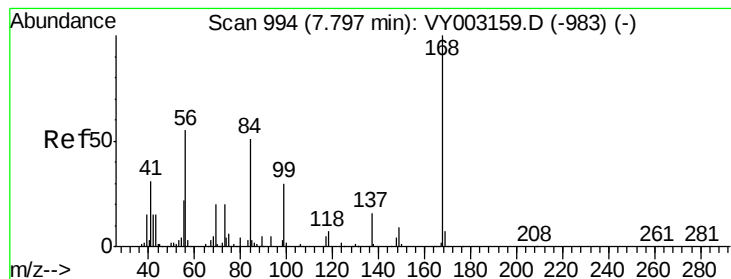
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 10 13:18:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003342.D

Acq: 24 Jul 2020 19:14

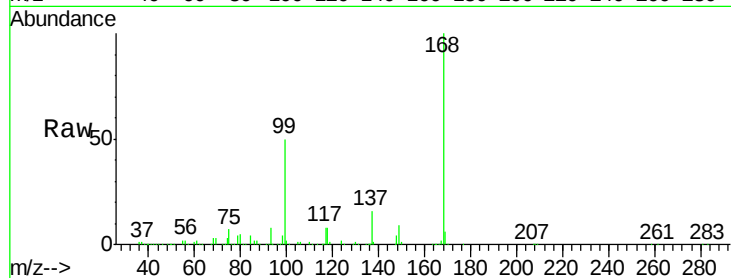
Instrument :
MSVOA_Y
ClientSampled :
10

Tot Ion:168 Resp: 449896

Ion Ratio Lower Upper

168 100

99 50.0 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003342.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003342.D (-945) (-)

7.80

200000

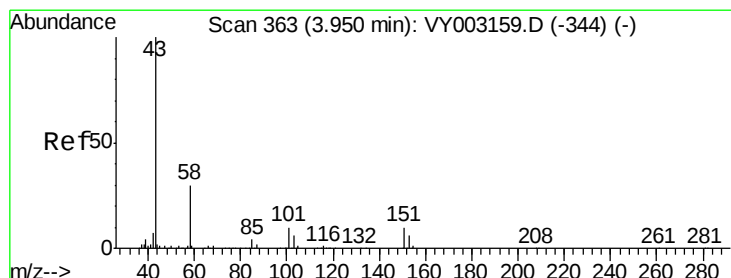
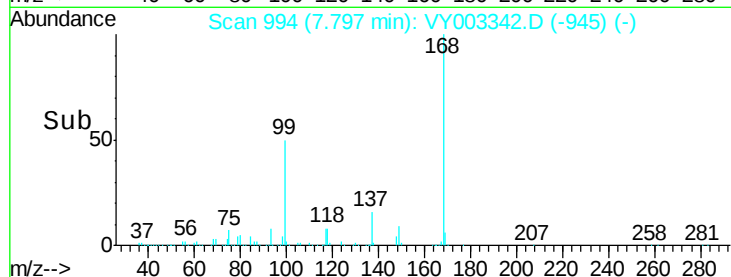
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 3.490 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003342.D

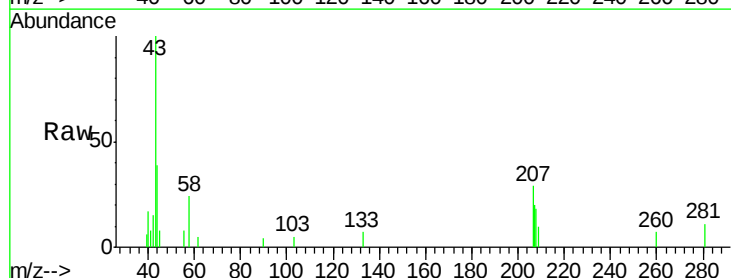
Acq: 24 Jul 2020 19:14

Tgt Ion: 43 Resp: 2960

Ion Ratio Lower Upper

43 100

58 23.8 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VY003342.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003342.D (-314) (-)

3.96

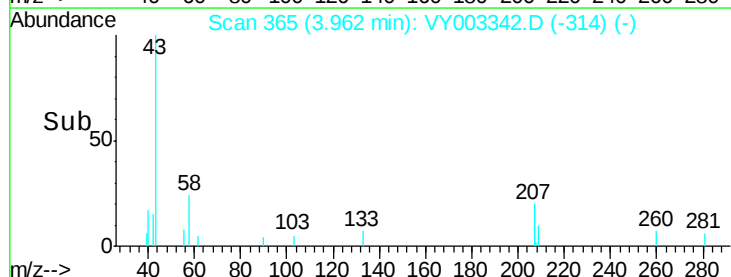
1500

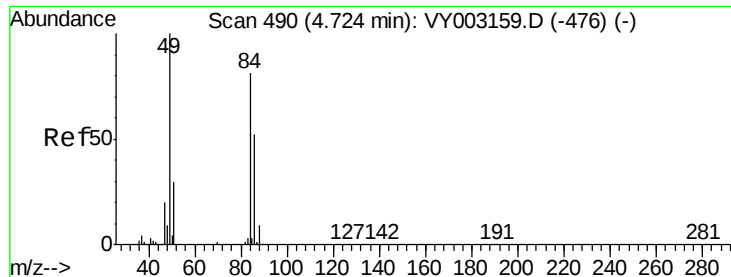
1000

500

0

Time-->

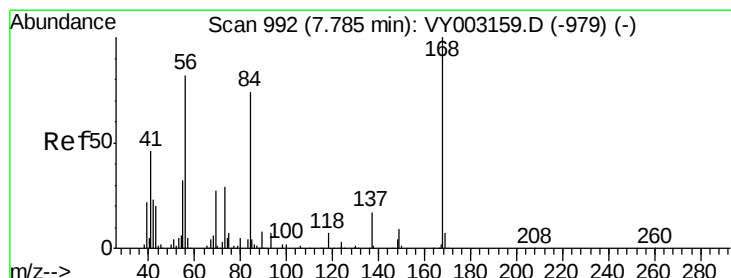
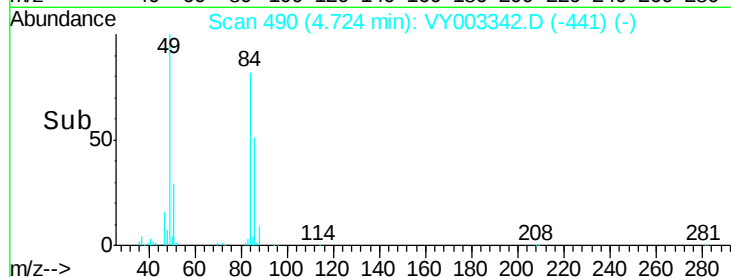
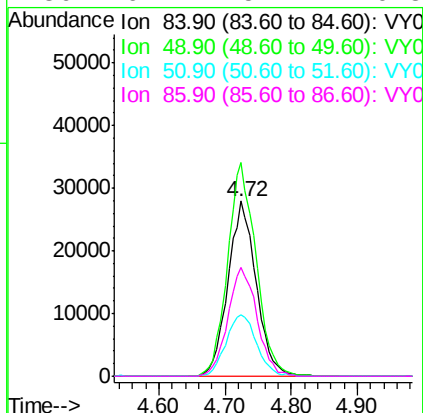
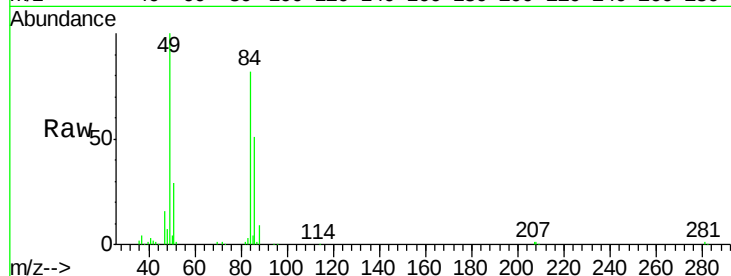




#20
Methylene Chloride
Concen: 15.497 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003342.D
Acq: 24 Jul 2020 19:14

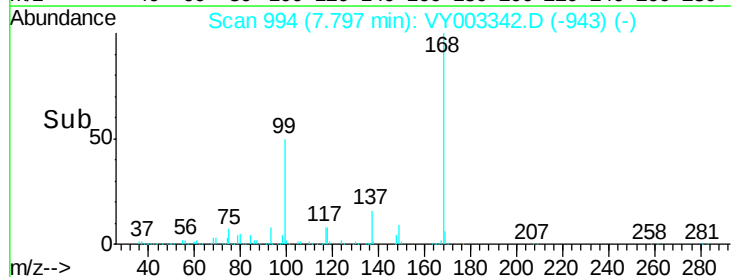
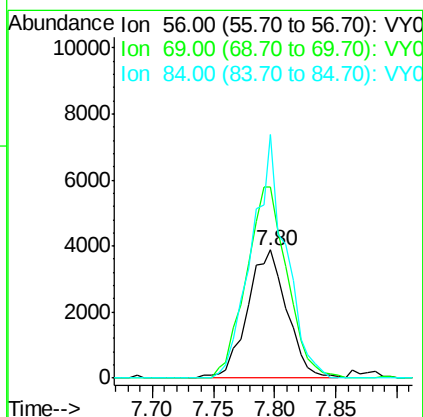
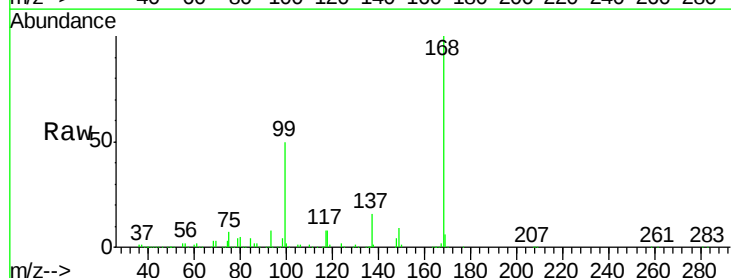
Instrument :
MSVOA_Y
ClientSampled :
10

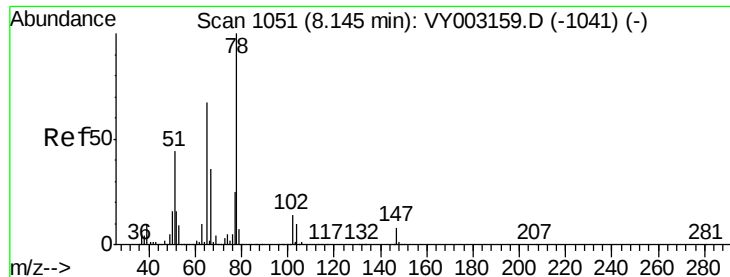
Tot Ion:	84	Resp:	82320
Ion	Ratio	Lower	Upper
84	100		
49	122.1	98.2	147.4
51	34.9	29.8	44.6
86	62.2	51.2	76.8



#31
Cyclohexane
Concen: 1.262 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003342.D
Acq: 24 Jul 2020 19:14

Tgt Ion:	56	Resp:	8715
Ion	Ratio	Lower	Upper
56	100		
69	149.7	26.7	40.1#
84	190.3	72.3	108.5#

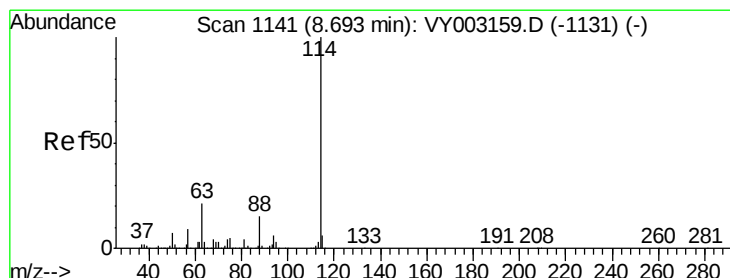
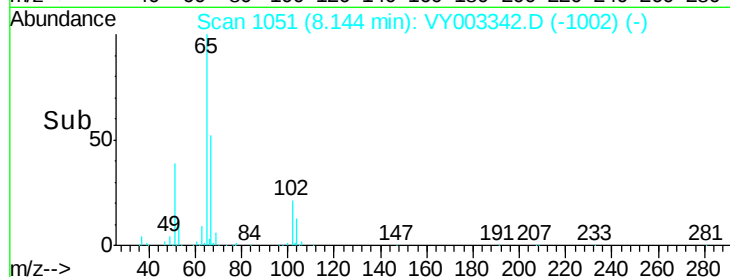
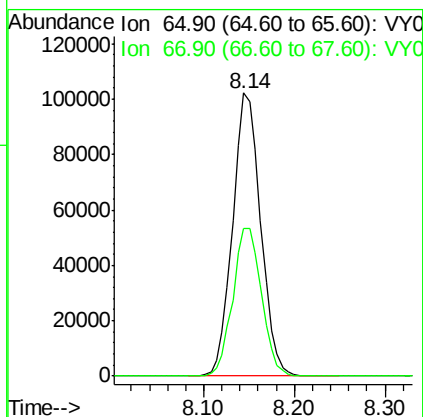
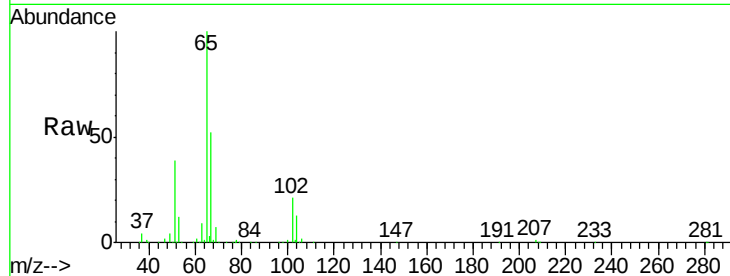




#33
 1,2-Dichloroethane-d4
 Concen: 57.812 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003342.D
 Acq: 24 Jul 2020 19:14

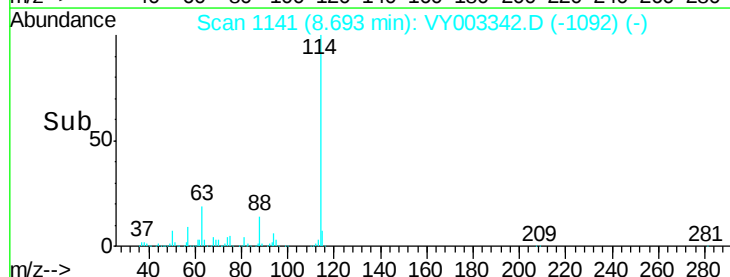
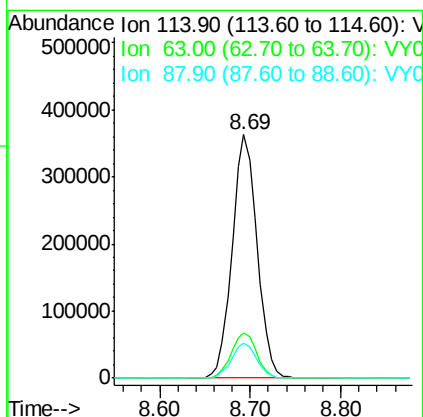
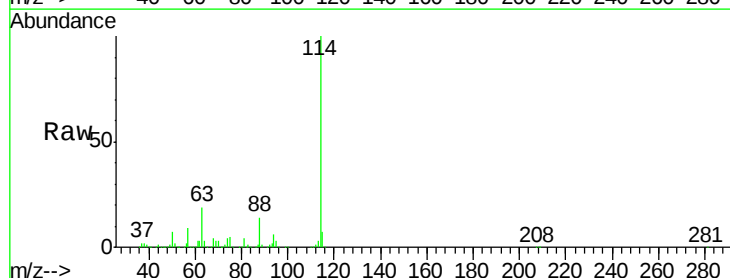
Instrument :
 MSVOA_Y
 ClientSampleId :
 10

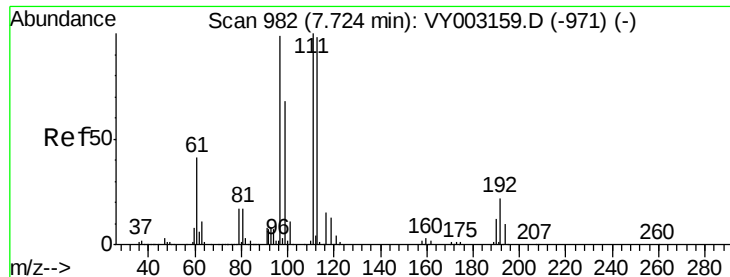
Tot Ion: 65 Resp: 219527
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003342.D
 Acq: 24 Jul 2020 19:14

Tgt Ion: 114 Resp: 695734
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 41.2
 88 14.4 0.0 30.2

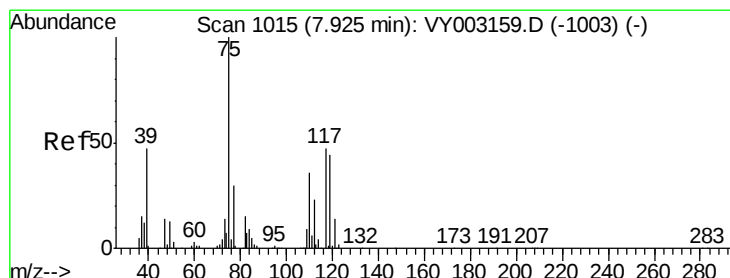
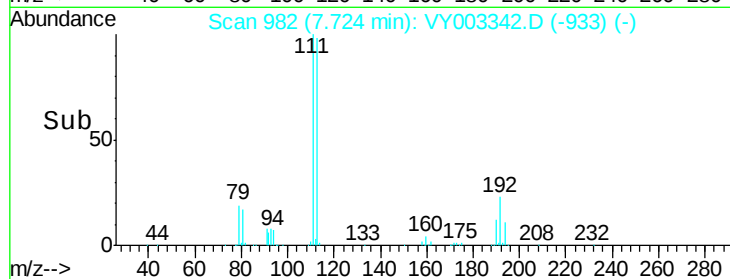
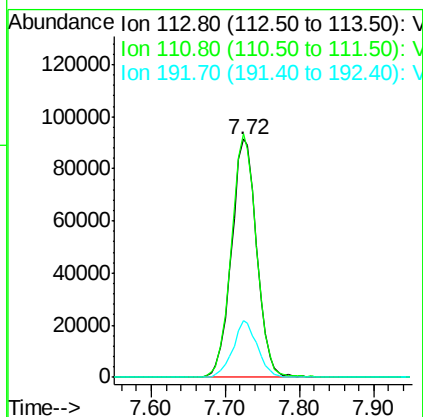
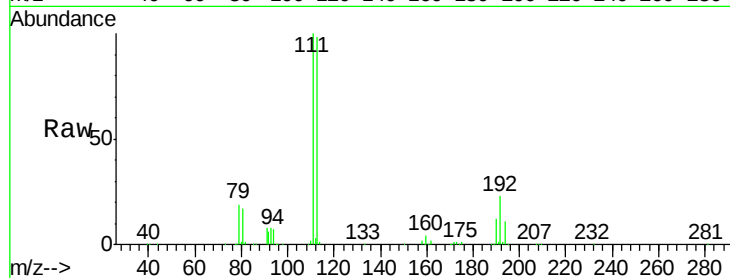




#35
Dibromofluoromethane
Concen: 54.205 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003342.D
Acq: 24 Jul 2020 19:14

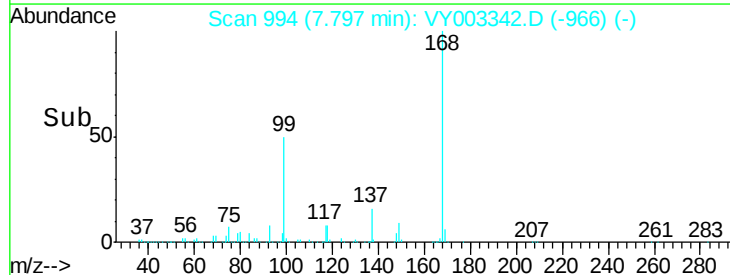
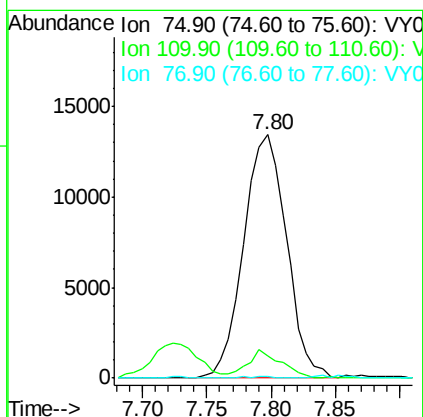
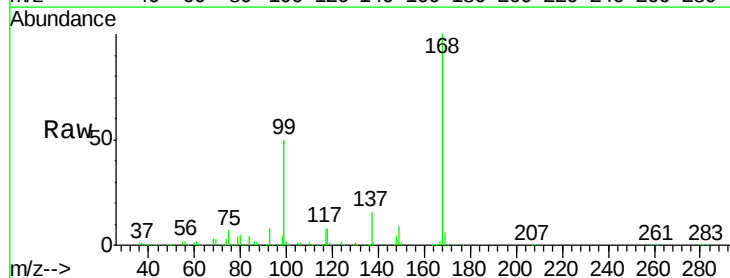
Instrument :
MSVOA_Y
ClientSampled :
10

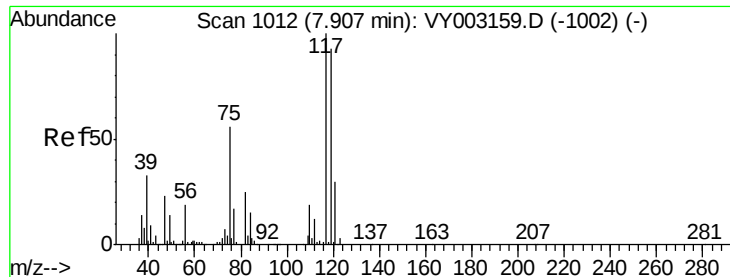
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.1	123.1
192	22.9	18.8	28.2



#36
1,1-Dichloropropene
Concen: 4.920 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.13 min
Lab File: VY003342.D
Acq: 24 Jul 2020 19:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.1#
77	0.4	24.8	37.2#

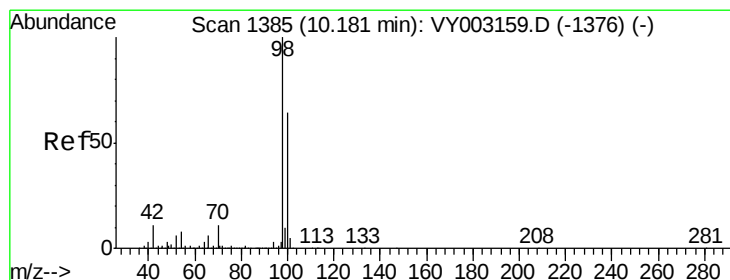
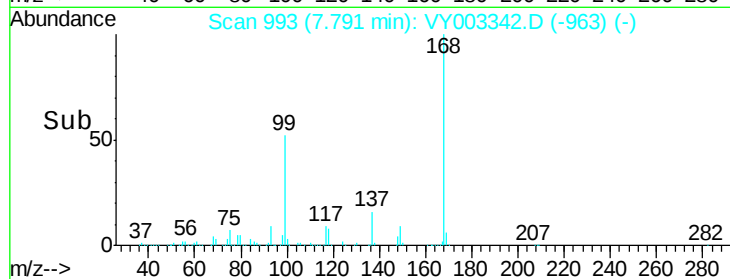
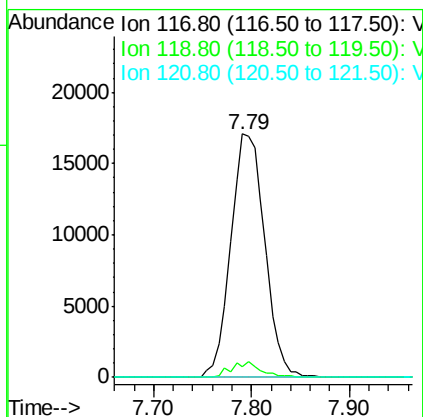
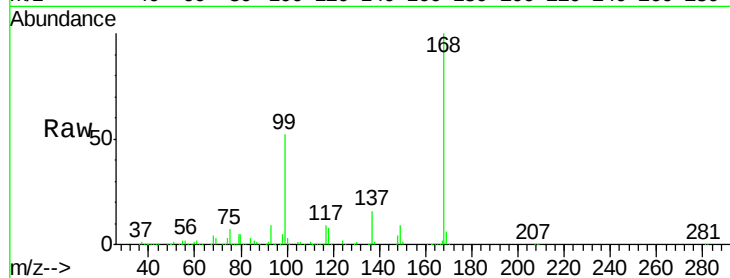




#38
Carbon Tetrachloride
Concen: 6.320 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.12 min
Lab File: VY003342.D
Acq: 24 Jul 2020 19:14

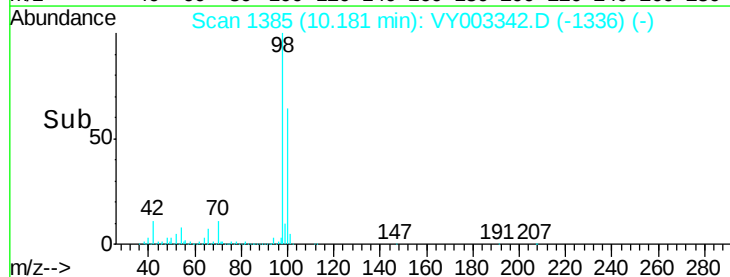
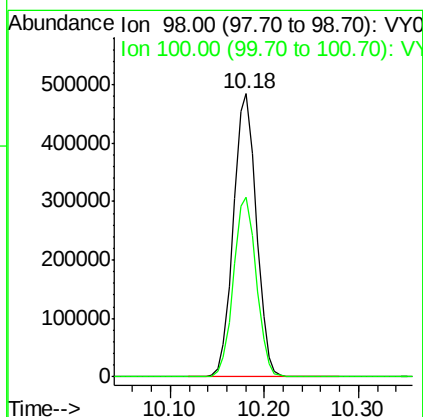
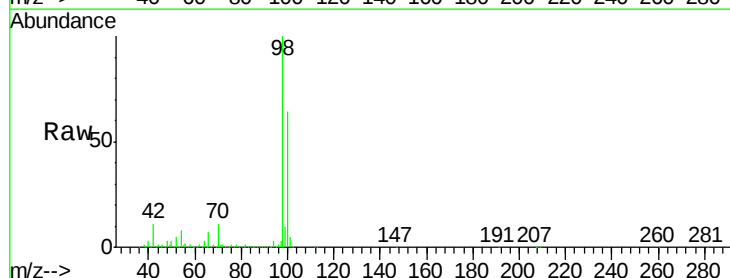
Instrument :
MSVOA_Y
ClientSampleId :
10

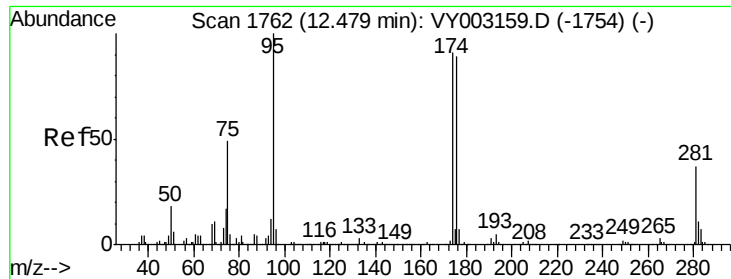
Tot Ion:117 Resp: 41141
Ion Ratio Lower Upper
117 100
119 4.4 74.5 111.7#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 55.012 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003342.D
Acq: 24 Jul 2020 19:14

Tgt Ion: 98 Resp: 818868
Ion Ratio Lower Upper
98 100
100 63.3 50.7 76.1

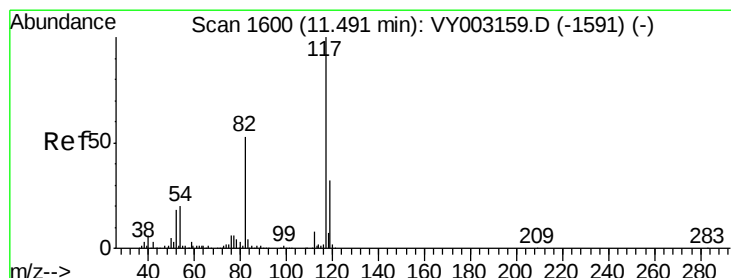
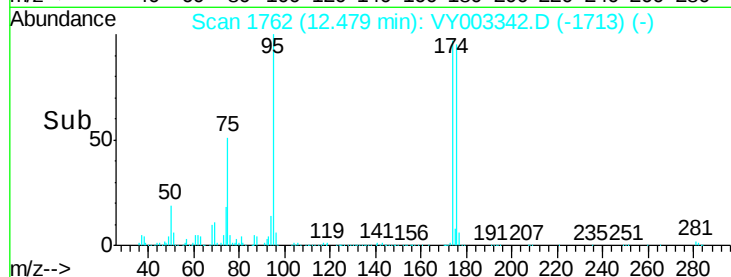
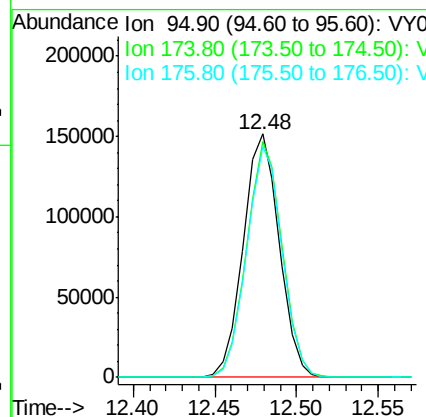
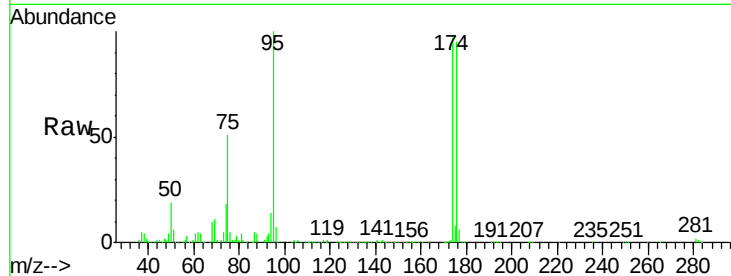




#62
4-Bromofluorobenzene
Concen: 43.252 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003342.D
Acq: 24 Jul 2020 19:14

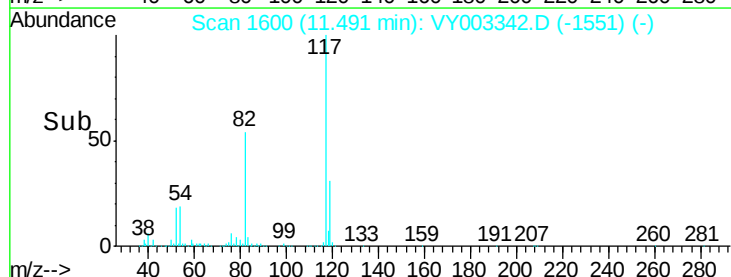
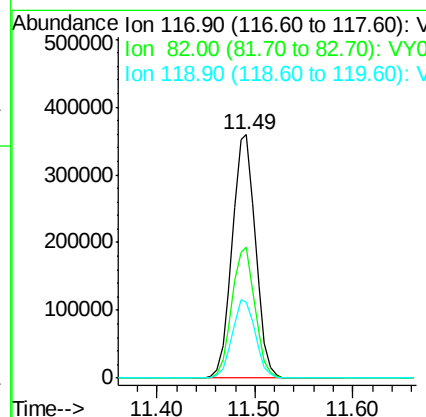
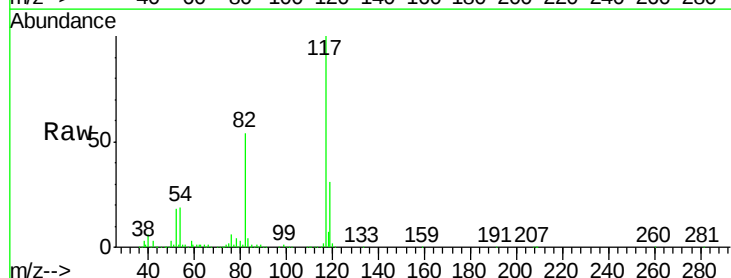
Instrument :
MSVOA_Y
ClientSampleId :
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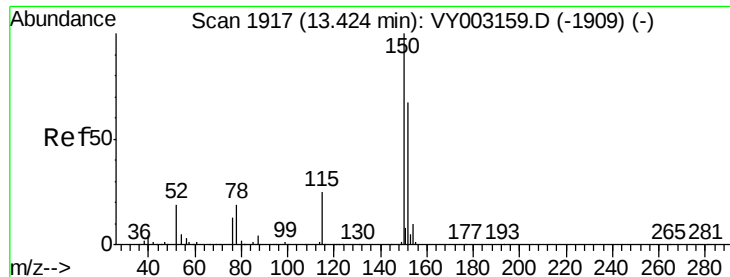
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.8	0.0	190.6
176	93.6	0.0	186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003342.D
Acq: 24 Jul 2020 19:14

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.0	63.0
119	31.2	25.5	38.3



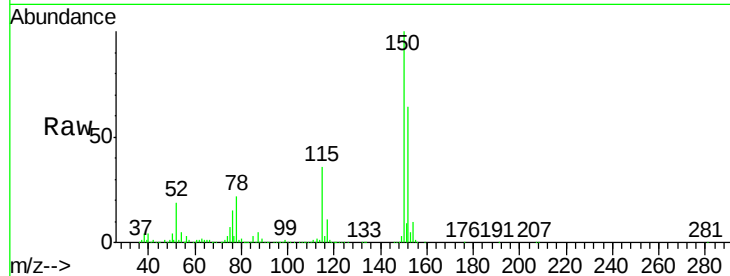


#72

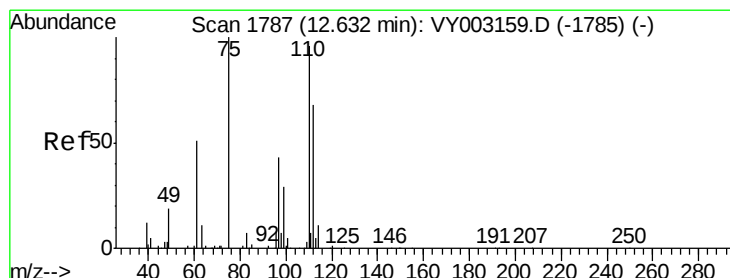
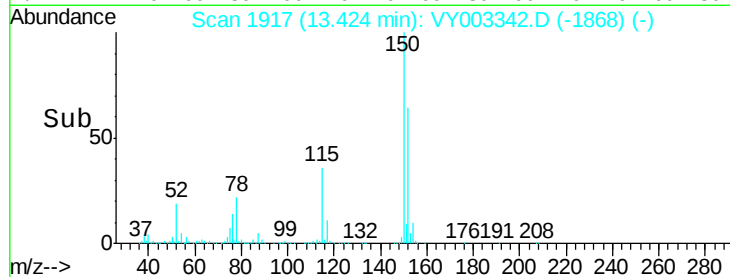
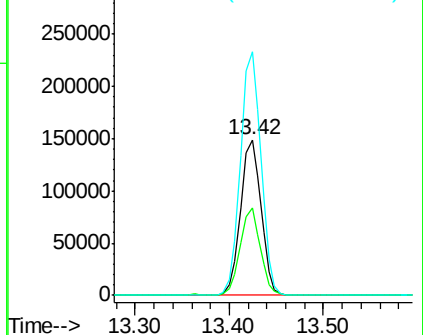
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003342.D
Acq: 24 Jul 2020 19:14

Instrument :
MSVOA_Y
ClientSampleId :
10

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	26.9	80.7
150	156.6	0.0	338.0



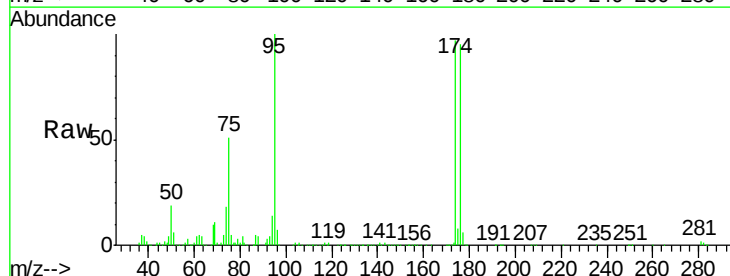
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



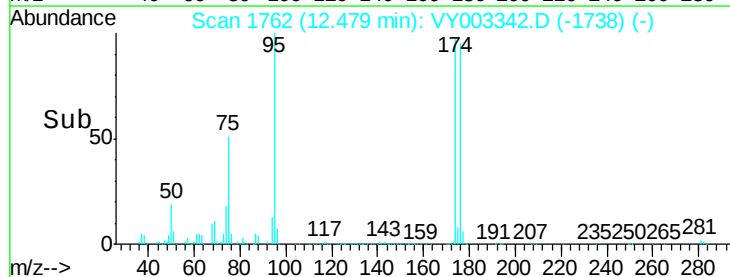
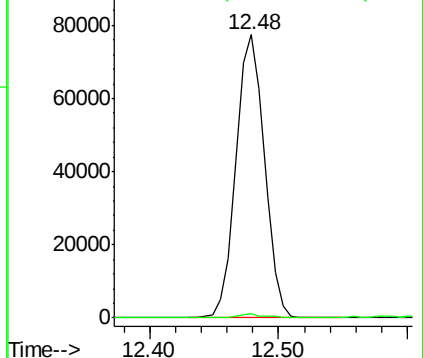
#76

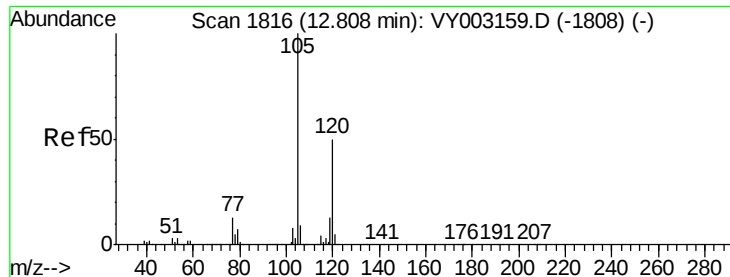
1,2,3-Trichloropropane
Concen: 59.316 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003342.D
Acq: 24 Jul 2020 19:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	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: 1.938 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003342.D

Acq: 24 Jul 2020 19:14

Instrument :

MSVOA_Y

ClientSampleId :

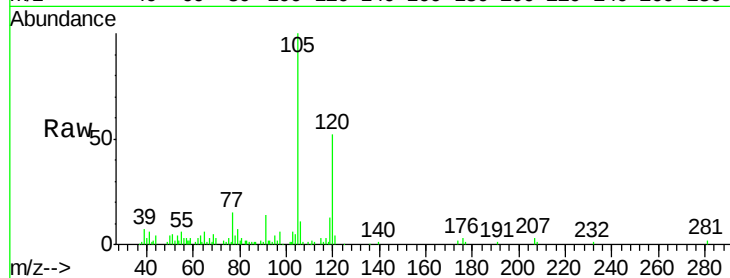
10

Tot Ion:105 Resp: 23320

Ion Ratio Lower Upper

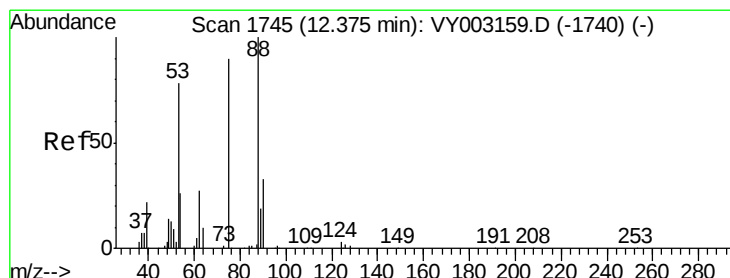
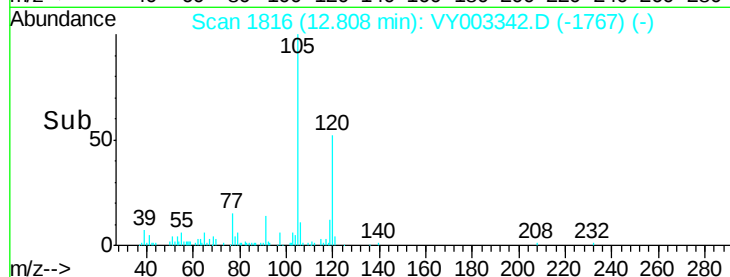
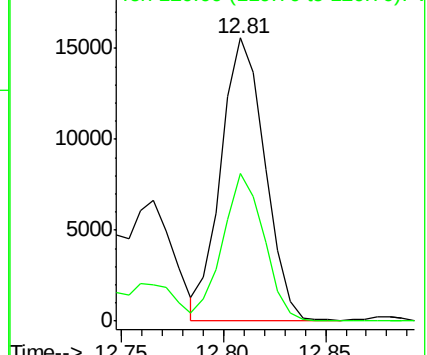
105 100

120 49.0 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: 115.440 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003342.D

Acq: 24 Jul 2020 19:14

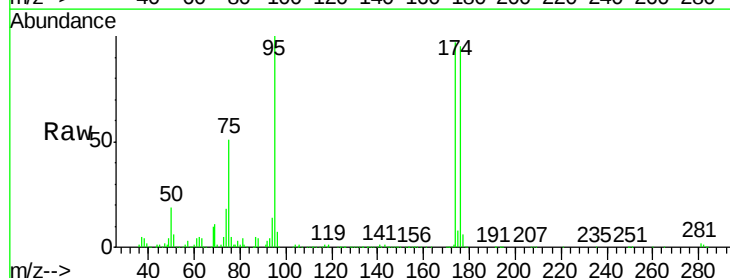
Tgt Ion: 75 Resp: 118962

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

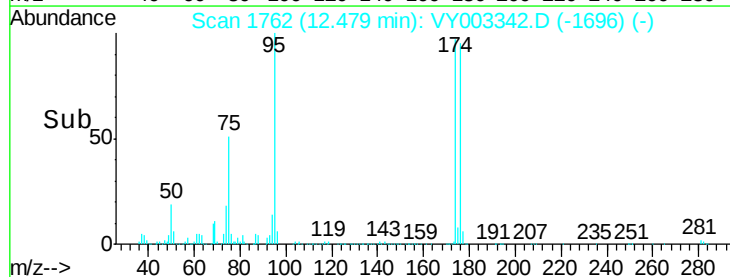
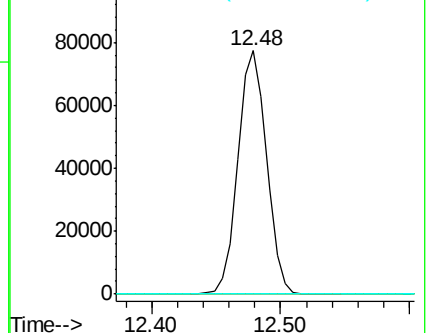
89 0.0 37.3 55.9#

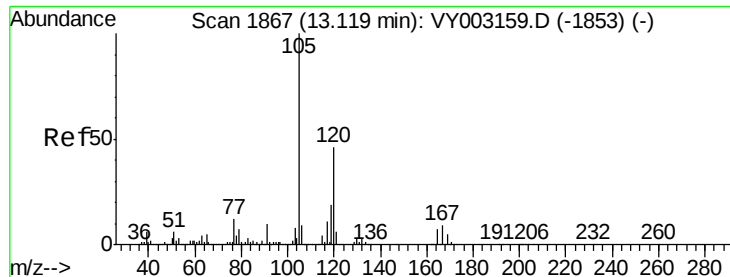


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

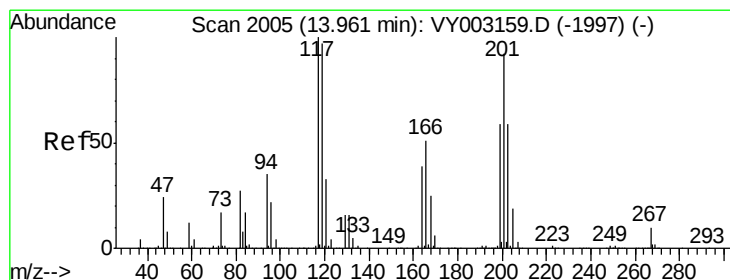
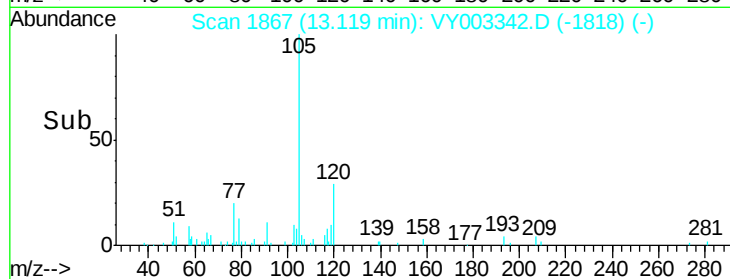
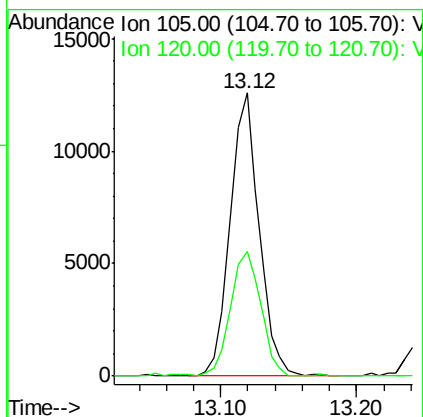
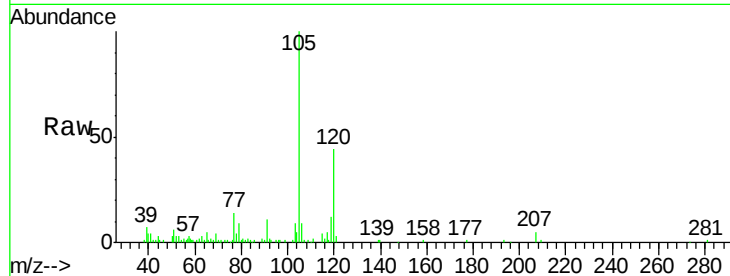




#84
 1,2,4-Trimethylbenzene
 Concen: 1.537 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY003342.D
 Acq: 24 Jul 2020 19:14

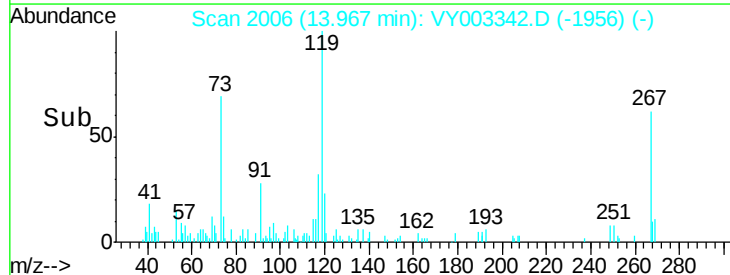
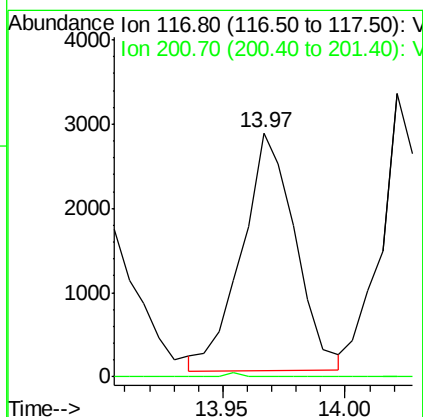
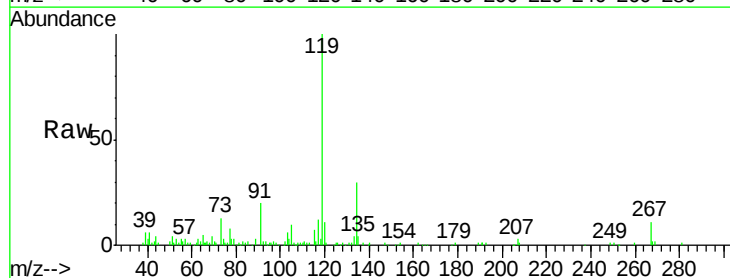
Instrument :
 MSVOA_Y
 ClientSampled :
 10

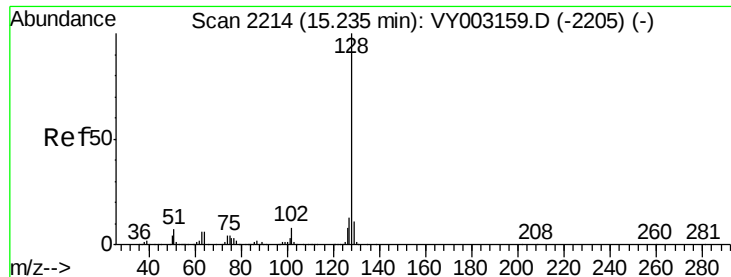
Tot Ion:105 Resp: 18615
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.5 67.5



#90
 Hexachloroethane
 Concen: 1.728 ug/l
 RT: 13.97 min Scan# 2006
 Delta R.T. 0.01 min
 Lab File: VY003342.D
 Acq: 24 Jul 2020 19:14

Tgt Ion:117 Resp: 4289
 Ion Ratio Lower Upper
 117 100
 201 0.4 45.1 135.3#

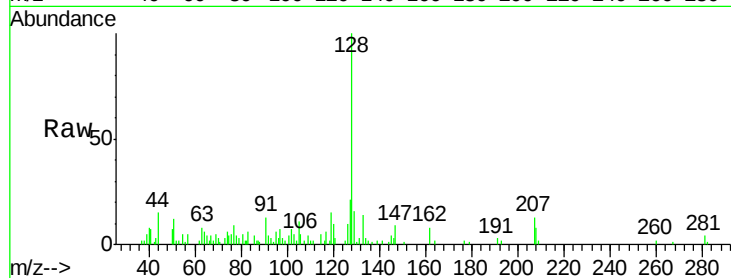




#95
Naphthalene
Concen: 1.536 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003342.D
Acq: 24 Jul 2020 19:14

Instrument :
MSVOA_Y
ClientSampleId :
10

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.4	10.9	16.3#
129	11.4	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

