

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003022.D
 Acq On : 29 Jun 2020 21:29
 Operator : SY/MD
 Sample : L3153-10
 Misc : 6.91G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP2-A

Quant Time: Jun 30 06:03:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	411072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	651348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	600423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	269524	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	220273	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	
35) Dibromofluoromethane	7.72	113	216590	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
50) Toluene-d8	10.18	98	780639	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.48	95	263346	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	

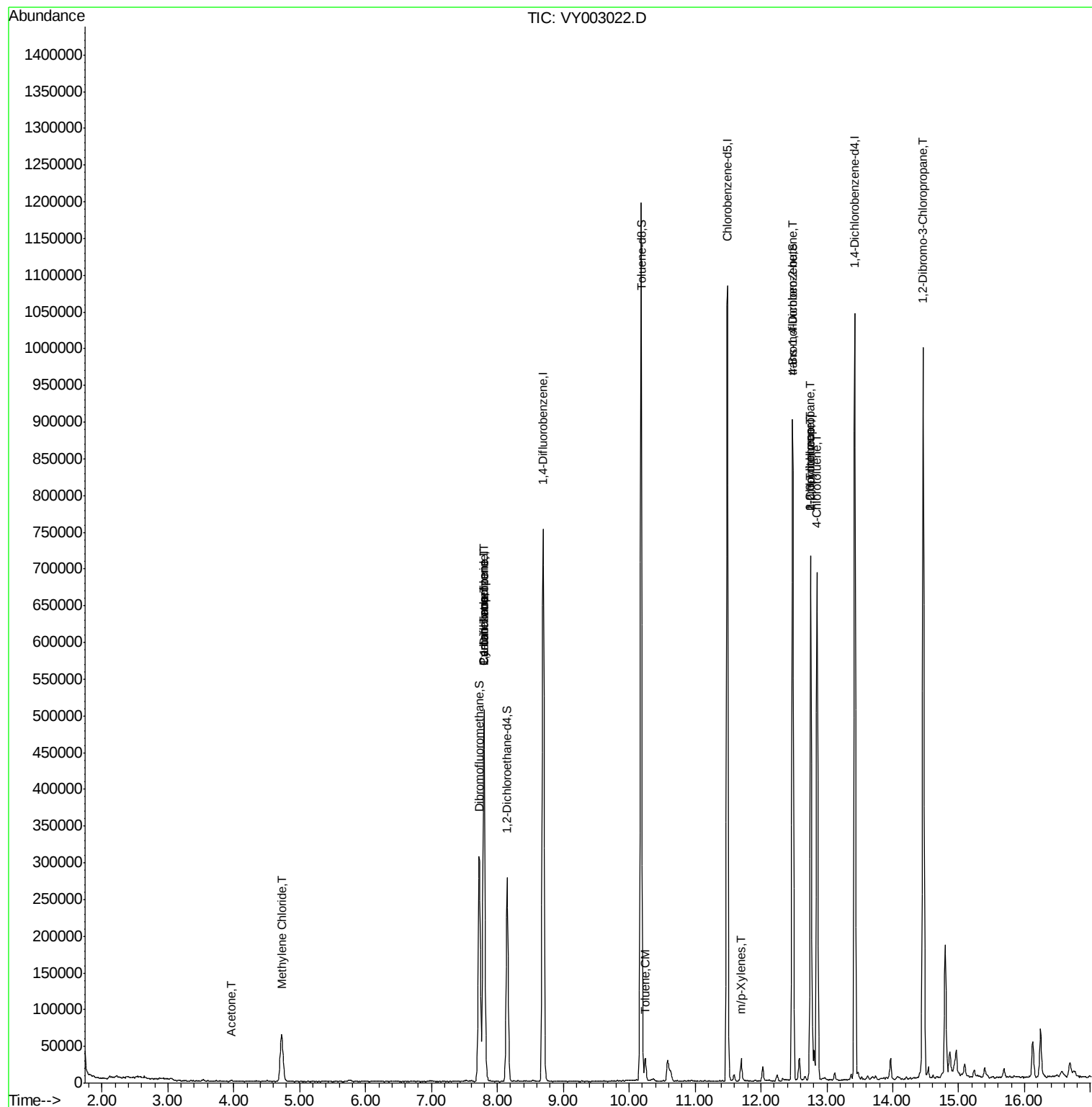
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.95	43	2342	2.432	ug/l	91
20) Methylene Chloride	4.73	84	50076	5.442	ug/l	93
31) Cyclohexane	7.80	56	7945	1.106	ug/l #	10
36) 1,1-Dichloropropene	7.80	75	27097	4.319	ug/l #	51
38) Carbon Tetrachloride	7.80	117	36869	5.648	ug/l #	15
52) Toluene	10.25	92	12566	1.162	ug/l	99
68) m/p-Xylenes	11.70	106	9179	1.139	ug/l	96
76) 1,2,3-Trichloropropane	12.75	75	10342	3.877	ug/l #	100
78) n-propylbenzene	12.75	91	387253	18.255	ug/l #	53
79) 2-Chlorotoluene	12.75	91	387253	32.704	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.48	75	133636	97.471	ug/l #	12
82) 4-Chlorotoluene	12.85	91	376314	30.524	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.46	75	21105	33.492	ug/l #	1

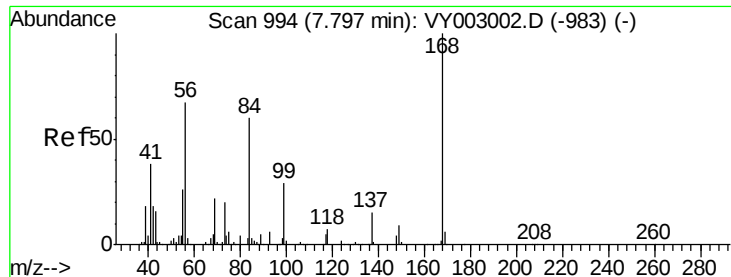
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003022.D

Acq: 29 Jun 2020 21:29

Instrument :

MSVOA_Y

ClientSampleId :

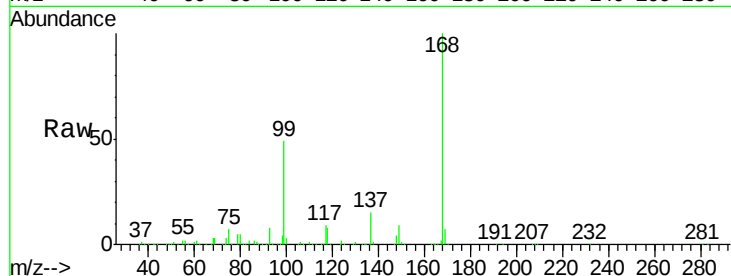
SP2-A

Tot Ion:168 Resp: 411072

Ion Ratio Lower Upper

168 100

99 49.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003002.D (-983) (-)

7.80

200000

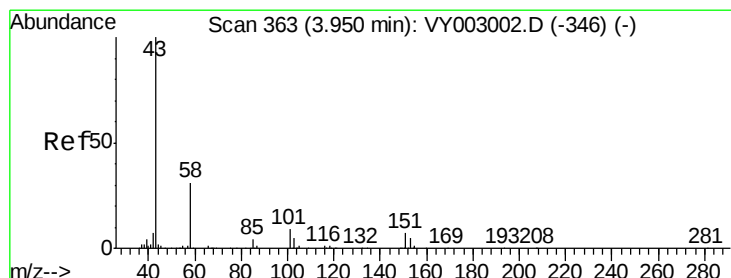
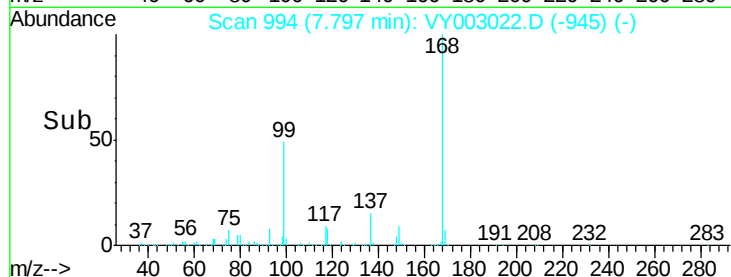
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 2.432 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY003022.D

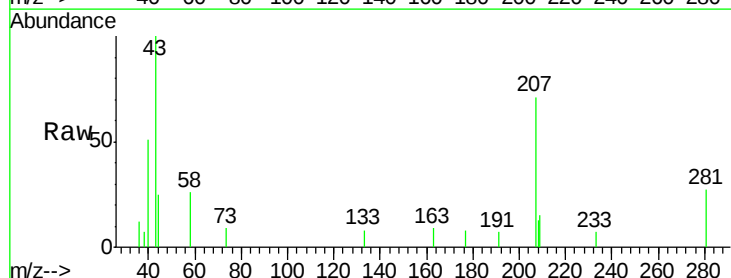
Acq: 29 Jun 2020 21:29

Tgt Ion: 43 Resp: 2342

Ion Ratio Lower Upper

43 100

58 25.8 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003002.D (-346) (-)

Ion 58.00 (57.70 to 58.70): VY003002.D (-346) (-)

3.95

1000

800

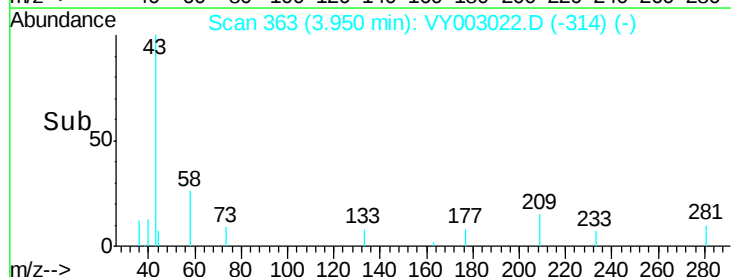
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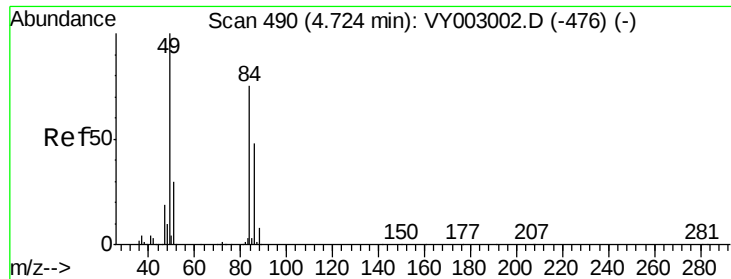
400

200

0

Time-->

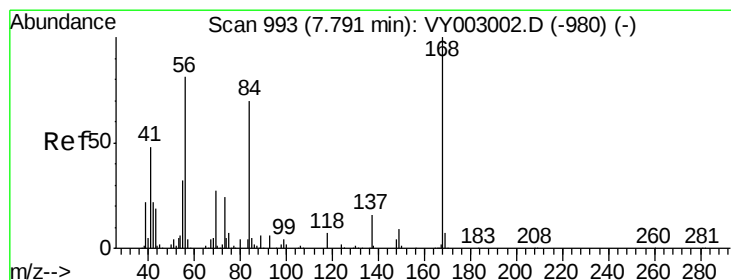
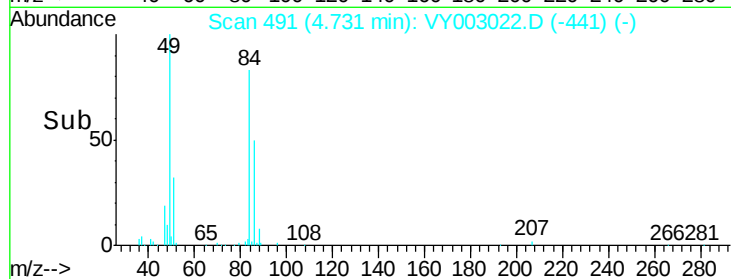
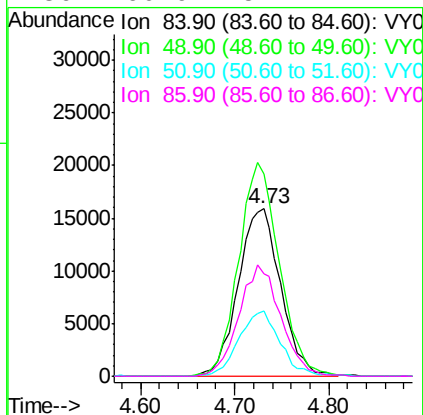
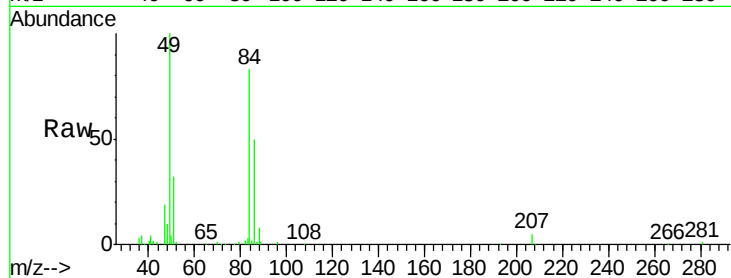




#20
Methvlene Chloride
Concen: 5.442 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003022.D
Acq: 29 Jun 2020 21:29

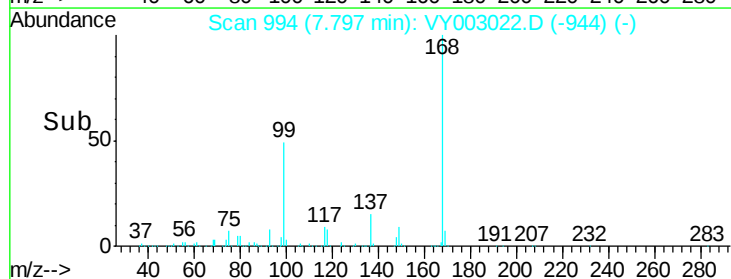
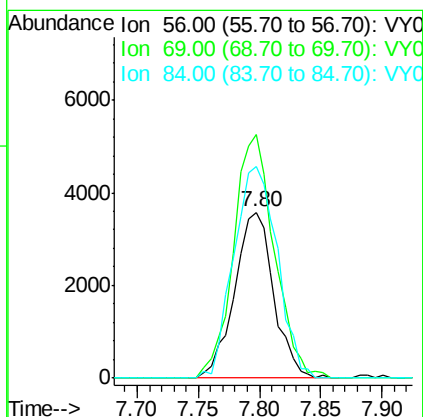
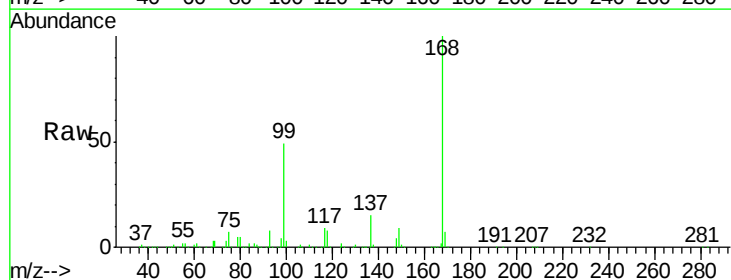
Instrument :
MSVOA_Y
ClientSampleId :
SP2-A

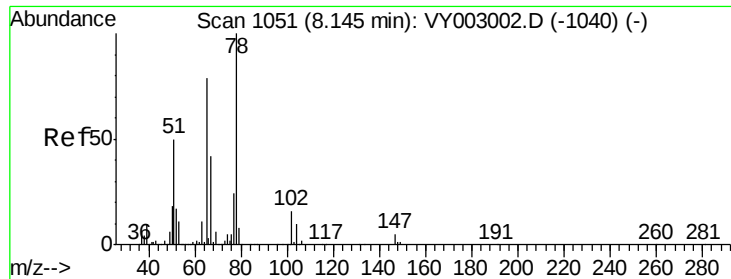
Tot Ion:	84	Resp:	50076
Ion	Ratio	Lower	Upper
84	100		
49	120.8	106.8	160.2
51	39.1	32.0	48.0
86	60.9	51.4	77.2



#31
Cyclohexane
Concen: 1.106 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003022.D
Acq: 29 Jun 2020 21:29

Tgt Ion:	56	Resp:	7945
Ion	Ratio	Lower	Upper
56	100		
69	147.1	27.0	40.4#
84	127.6	68.1	102.1#

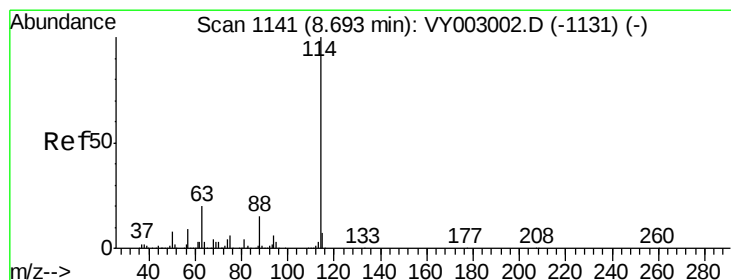
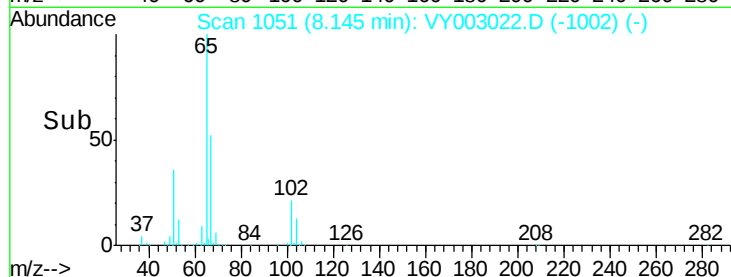
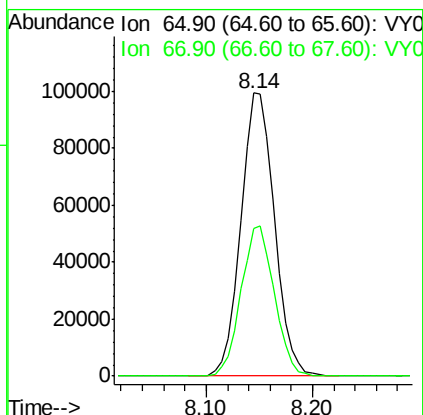
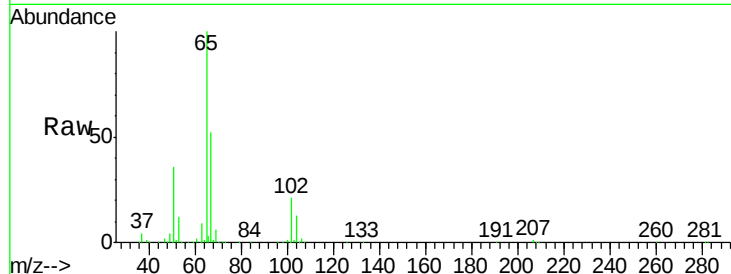




#33
 1,2-Dichloroethane-d4
 Concen: 53.952 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003022.D
 Acq: 29 Jun 2020 21:29

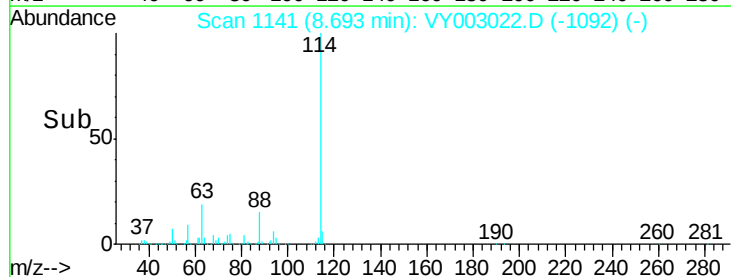
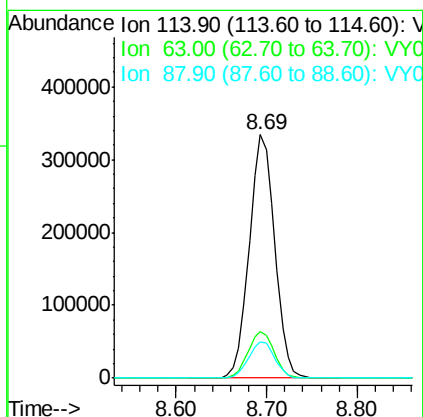
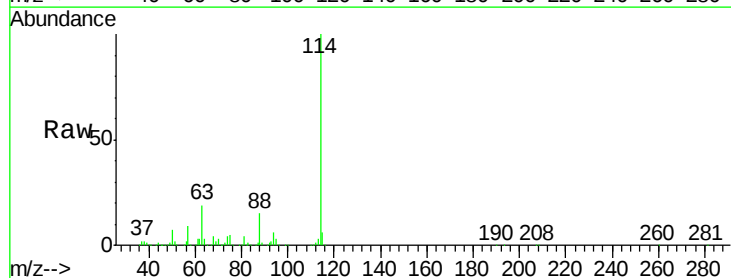
Instrument :
 MSVOA_Y
 ClientSampled :
 SP2-A

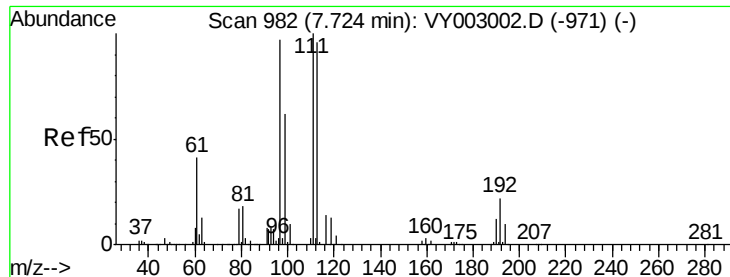
Tot Ion: 65 Resp: 220273
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003022.D
 Acq: 29 Jun 2020 21:29

Tgt Ion: 114 Resp: 651348
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.6
 88 14.7 0.0 30.0

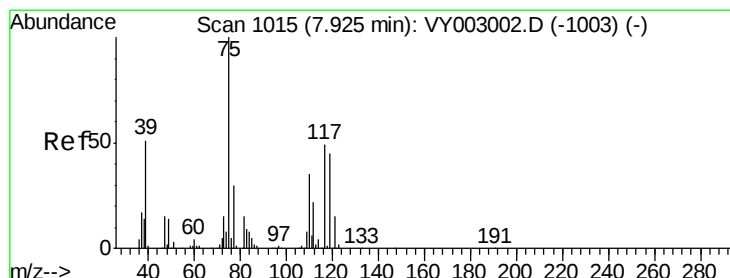
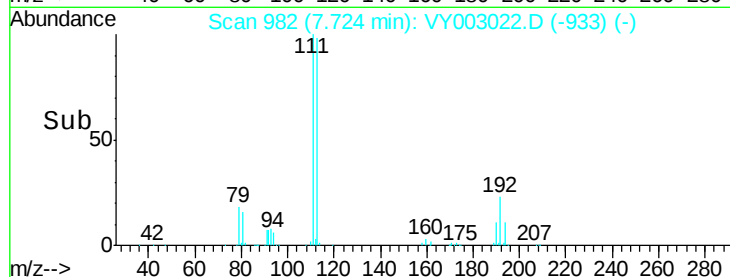
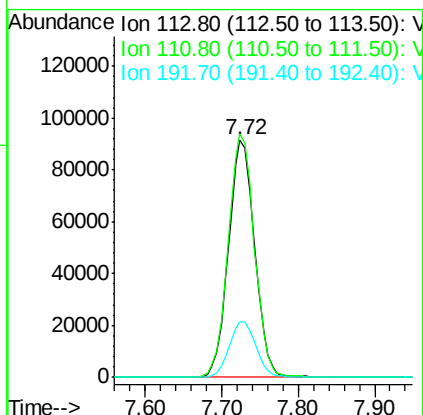
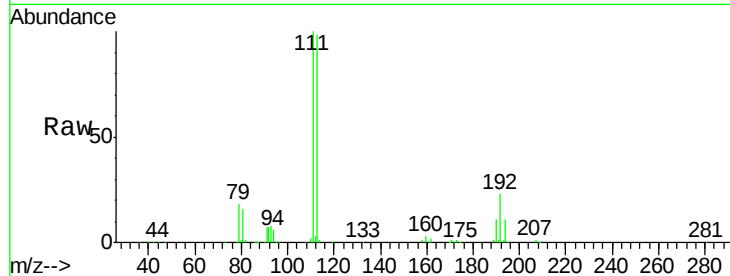




#35
 Dibromofluoromethane
 Concen: 53.305 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003022.D
 Acq: 29 Jun 2020 21:29

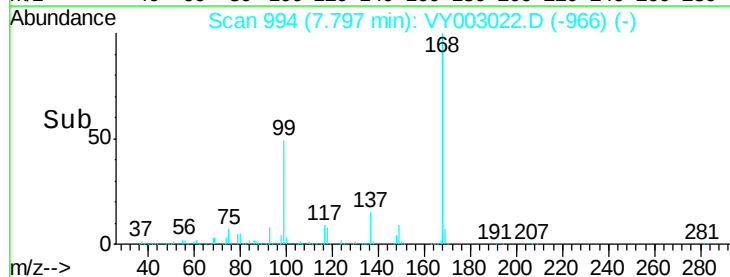
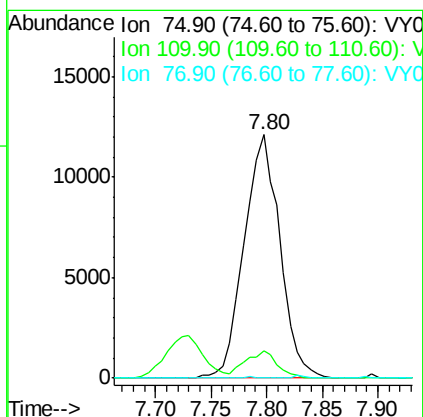
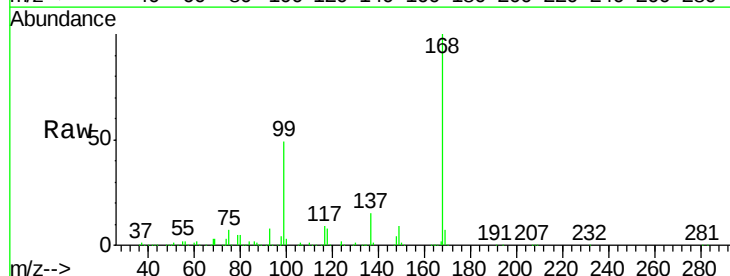
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP2-A

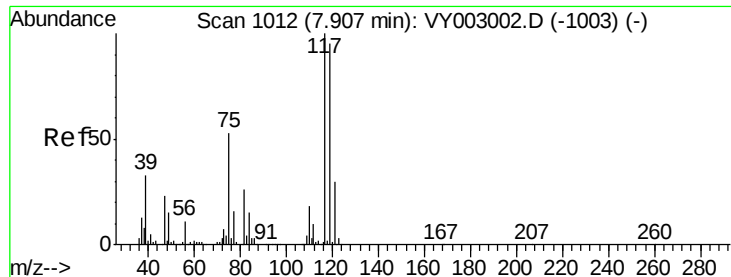
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.6	123.8
192	23.8	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.319 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003022.D
 Acq: 29 Jun 2020 21:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.1	51.2#
77	0.1	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.648 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003022.D

Acq: 29 Jun 2020 21:29

Instrument :

MSVOA_Y

ClientSampleId :

SP2-A

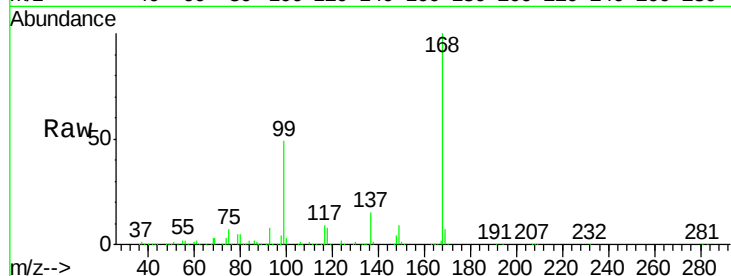
Tot Ion:117 Resp: 36869

Ion Ratio Lower Upper

117 100

119 3.7 75.7 113.5#

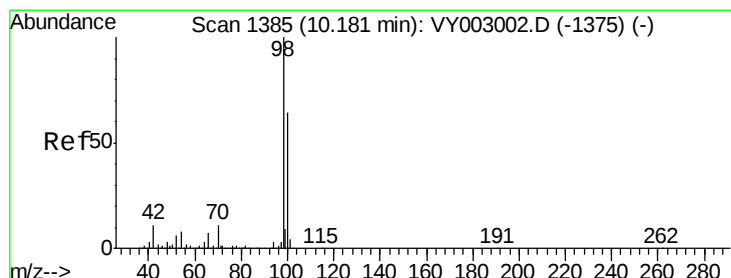
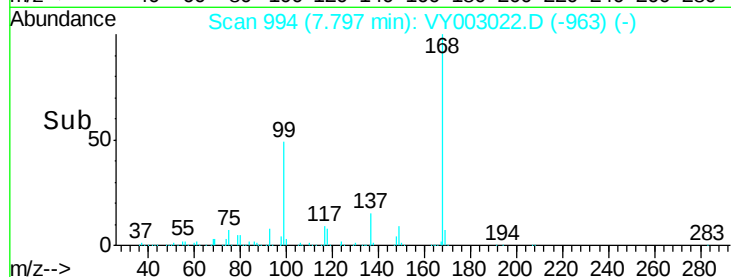
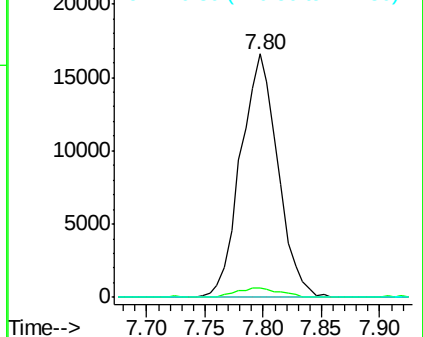
121 0.0 23.9 35.9#



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



#50

Toluene-d8

Concen: 51.571 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003022.D

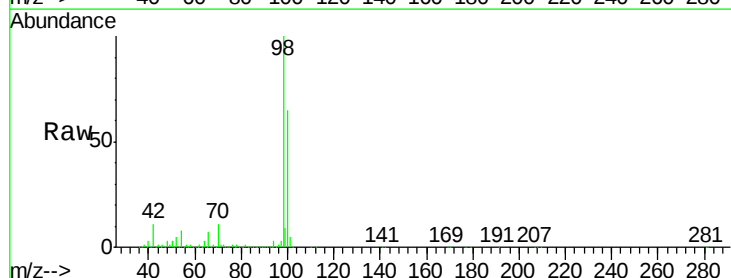
Acq: 29 Jun 2020 21:29

Tgt Ion: 98 Resp: 780639

Ion Ratio Lower Upper

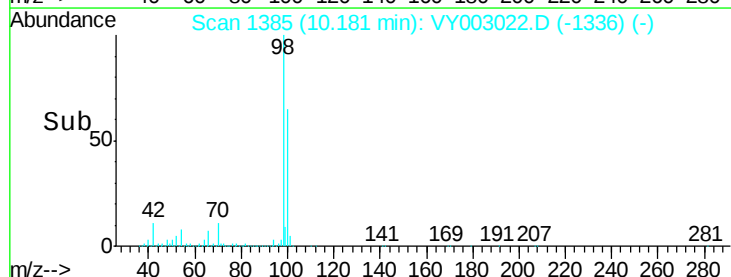
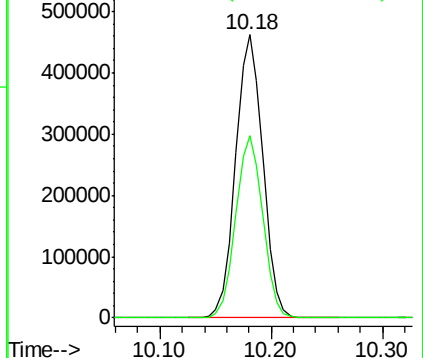
98 100

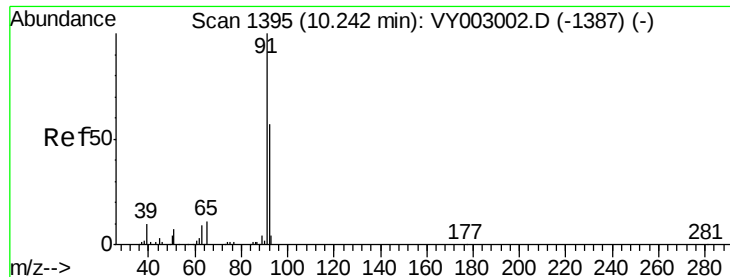
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#52

Toluene

Concen: 1.162 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY003022.D

Acq: 29 Jun 2020 21:29

Instrument :

MSVOA_Y

ClientSampled :

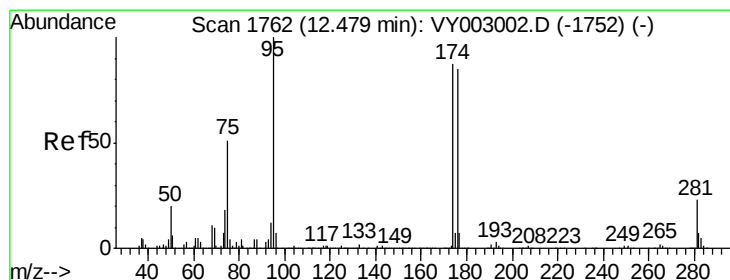
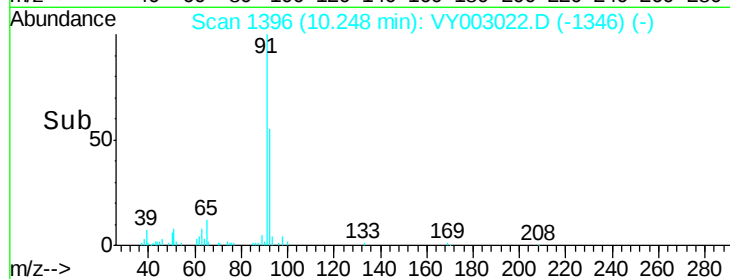
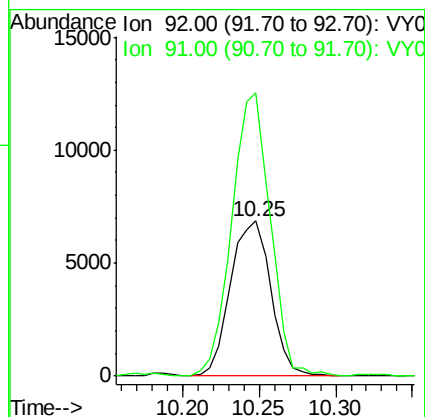
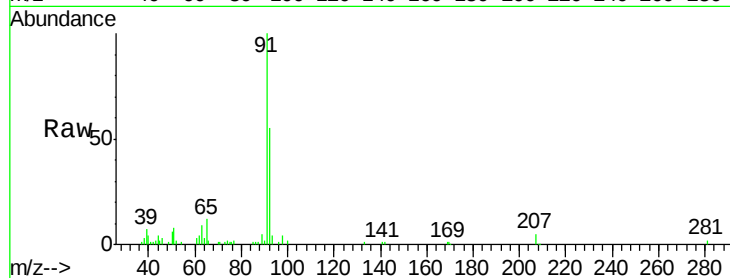
SP2-A

Tot Ion: 92 Resp: 12566

Ion Ratio Lower Upper

92 100

91 173.8 139.6 209.4



#62

4-Bromofluorobenzene

Concen: 49.424 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003022.D

Acq: 29 Jun 2020 21:29

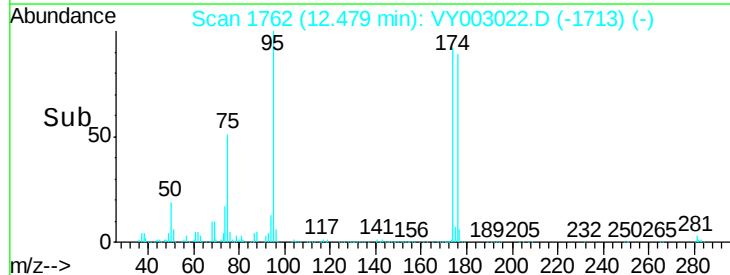
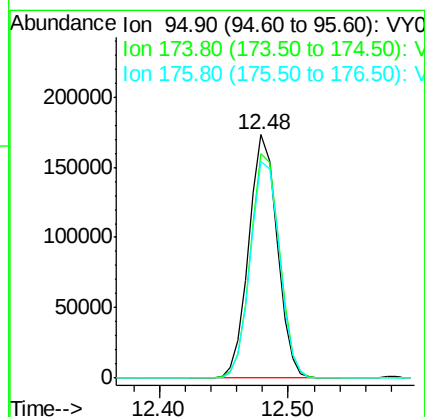
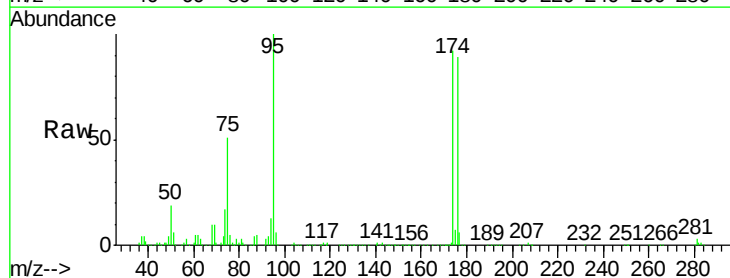
Tgt Ion: 95 Resp: 263346

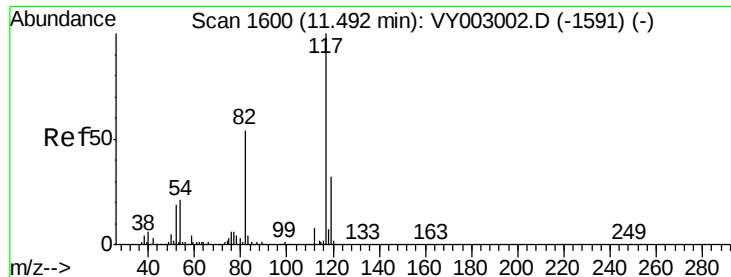
Ion Ratio Lower Upper

95 100

174 94.3 0.0 184.8

176 91.0 0.0 183.0

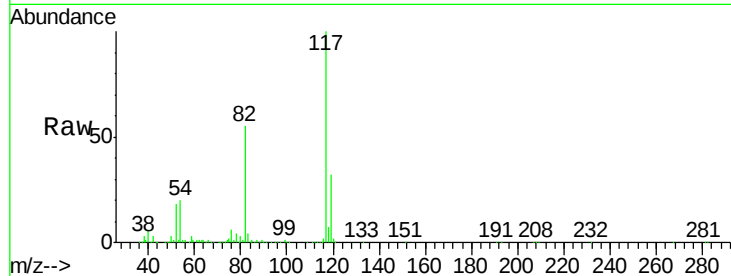




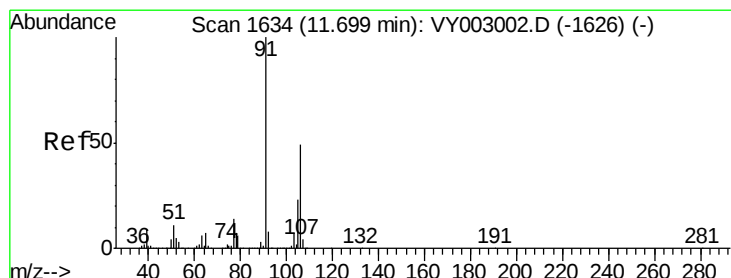
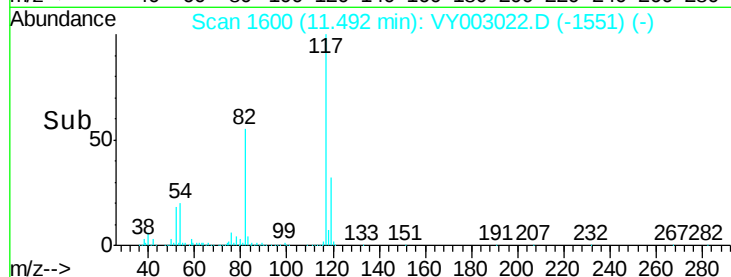
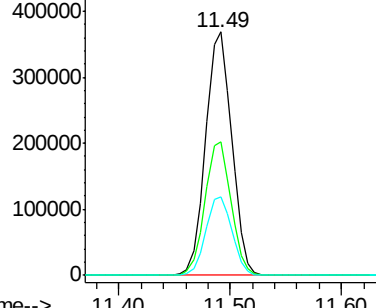
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003022.D
Acq: 29 Jun 2020 21:29

Instrument :
MSVOA_Y
ClientSampleId :
SP2-A

Tot Ion:117 Resp: 600423
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.6
119 32.3 25.8 38.8

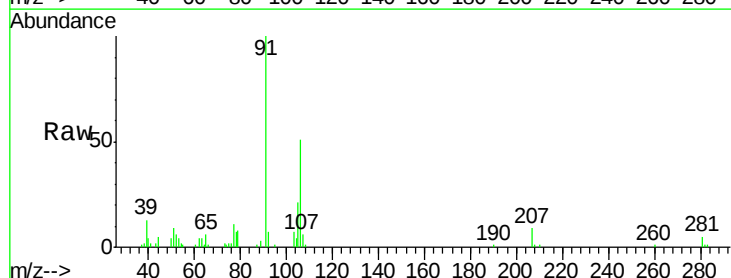


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

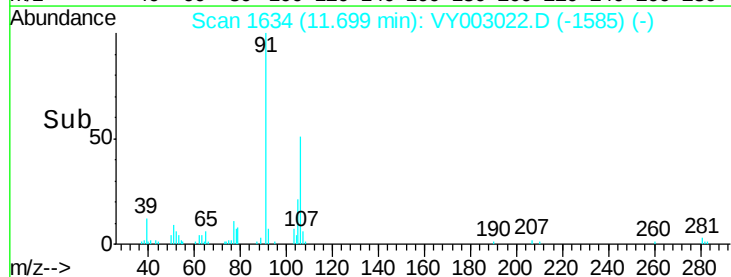
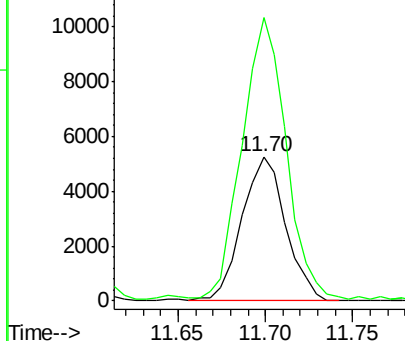


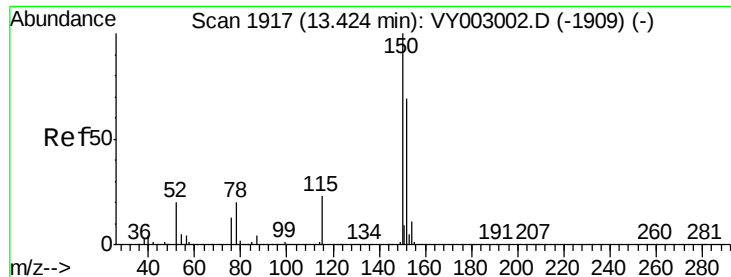
#68
m/p-Xylenes
Concen: 1.139 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003022.D
Acq: 29 Jun 2020 21:29

Tgt Ion:106 Resp: 9179
Ion Ratio Lower Upper
106 100
91 196.0 161.9 242.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0



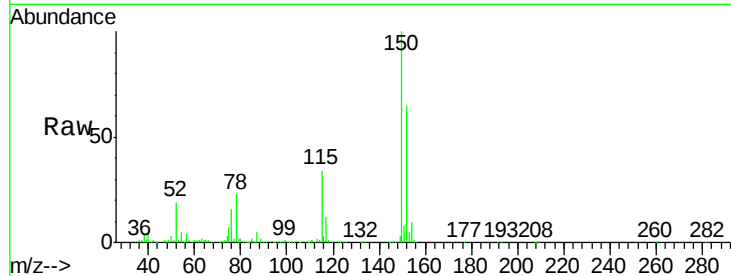


#72

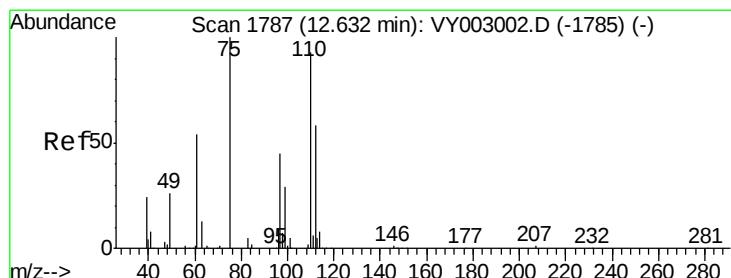
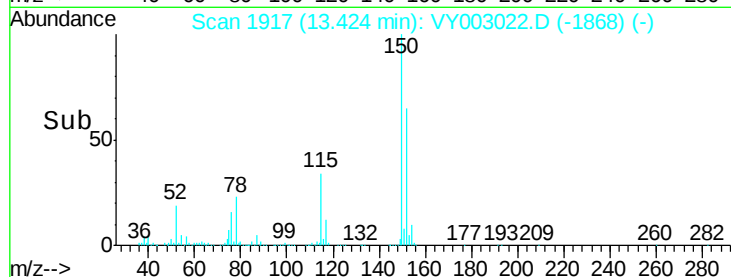
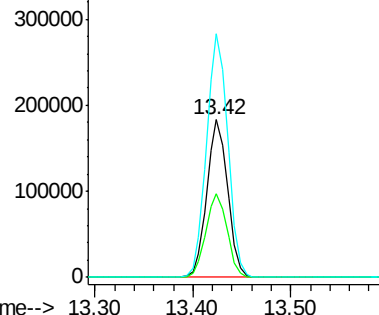
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003022.D
Acq: 29 Jun 2020 21:29

Instrument :
MSVOA_Y
ClientSampled :
SP2-A

Tot Ion	152	Resp	269524
Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.3	81.9
150	158.2	0.0	343.4



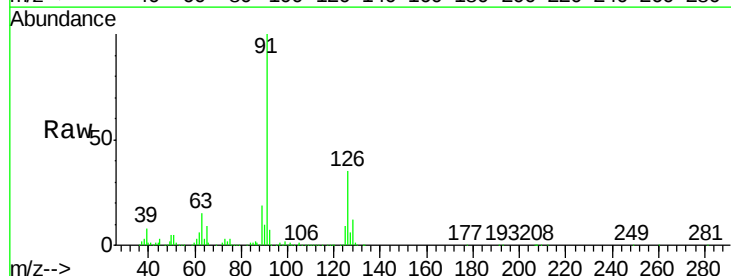
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



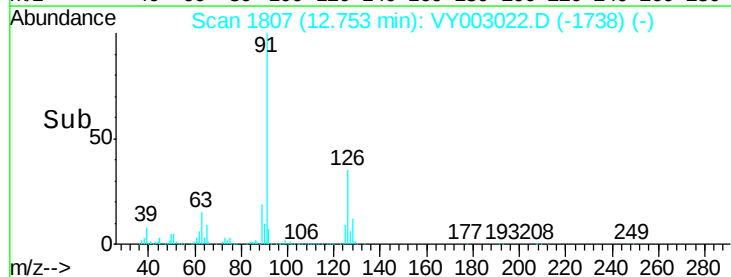
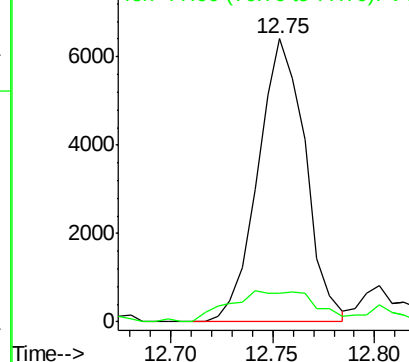
#76

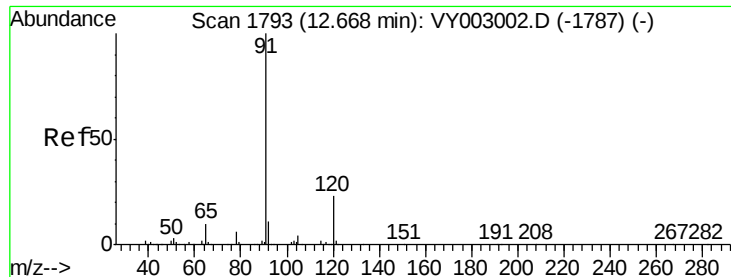
1,2,3-Trichloropropane
Concen: 3.877 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.12 min
Lab File: VY003022.D
Acq: 29 Jun 2020 21:29

Tgt Ion	75	Resp	10342
Ion	Ratio	Lower	Upper
75	100		
77	19.7	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#78

n-propylbenzene

Concen: 18.255 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.09 min

Lab File: VY003022.D

Acq: 29 Jun 2020 21:29

Instrument :

MSVOA_Y

ClientSampled :

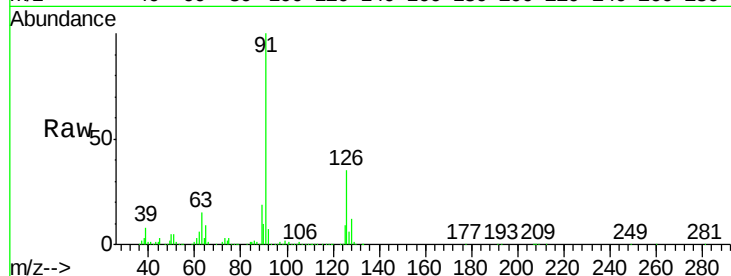
SP2-A

Tot Ion: 91 Resp: 387253

Ion Ratio Lower Upper

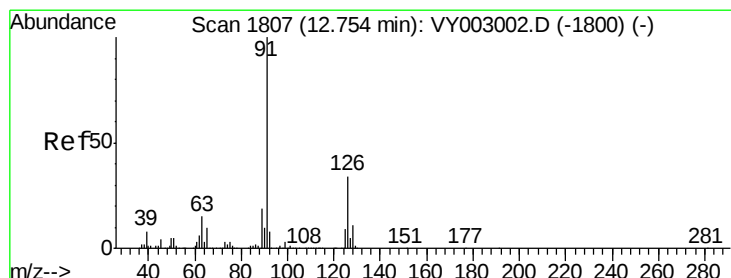
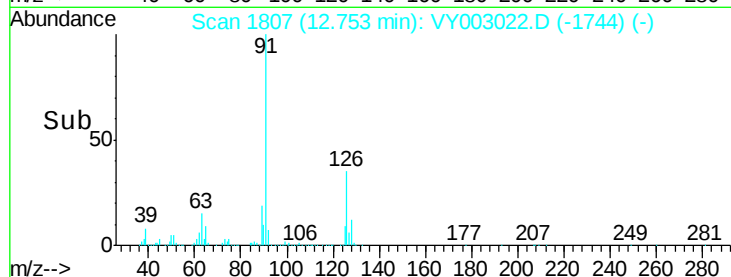
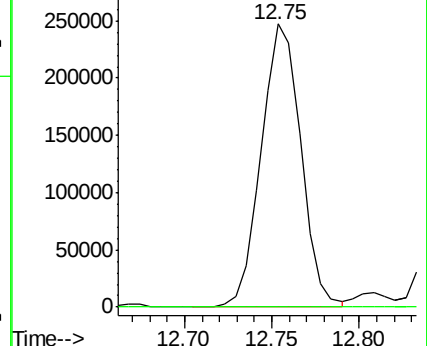
91 100

120 0.3 11.5 34.5#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 32.704 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003022.D

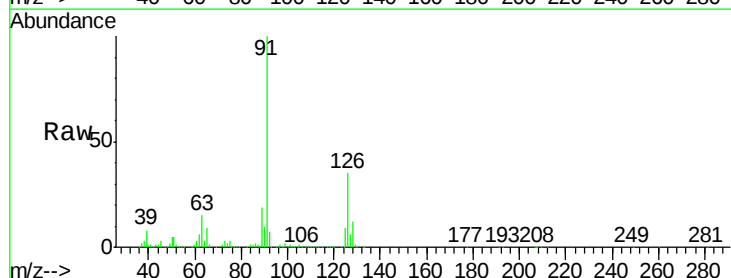
Acq: 29 Jun 2020 21:29

Tgt Ion: 91 Resp: 387253

Ion Ratio Lower Upper

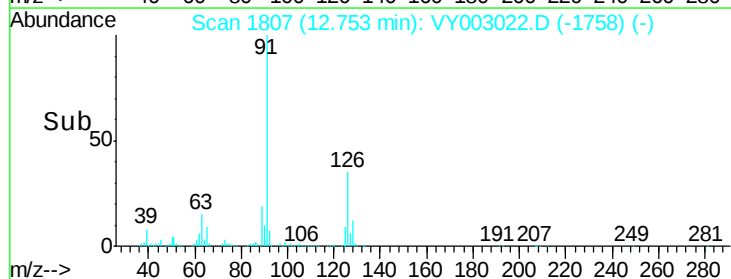
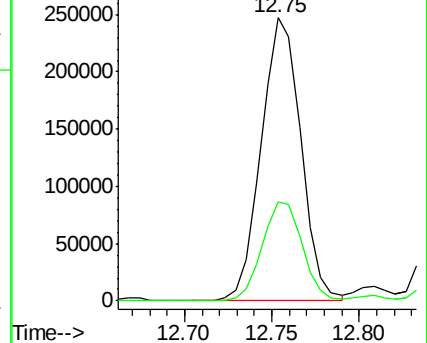
91 100

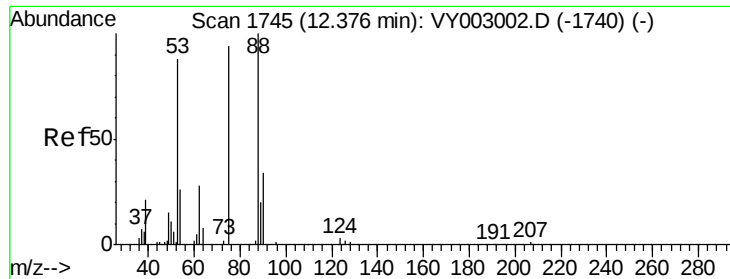
126 35.7 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

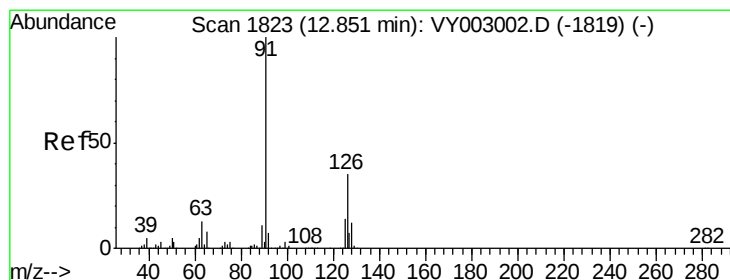
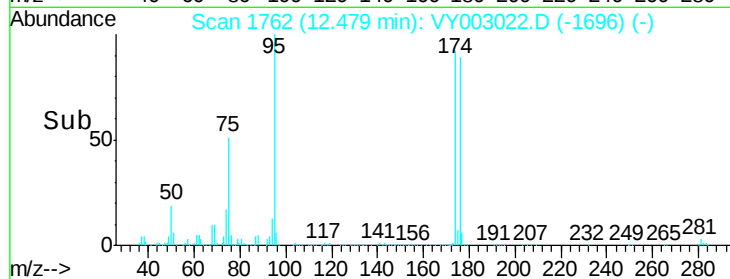
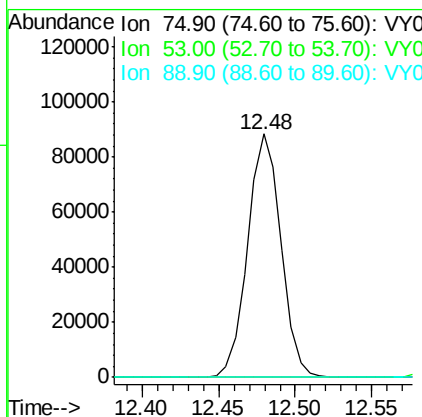
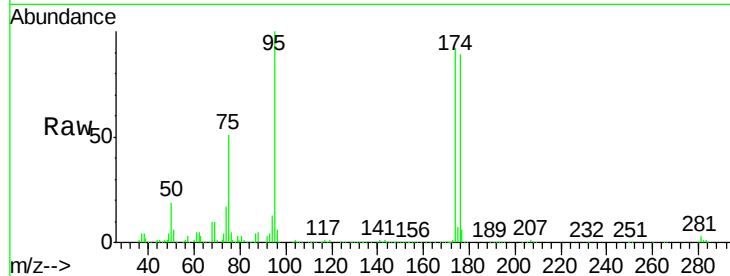




#81
trans-1,4-Dichloro-2-butene
Concen: 97.471 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003022.D
Acq: 29 Jun 2020 21:29

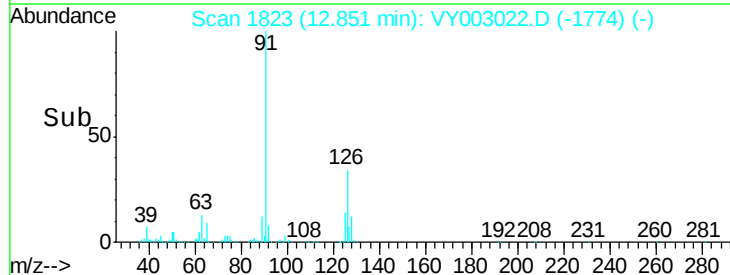
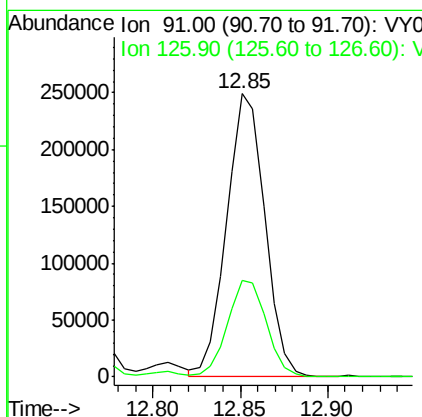
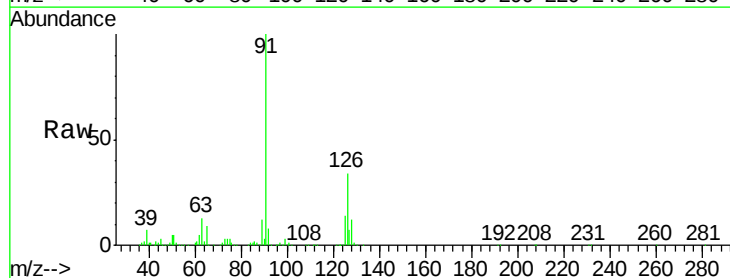
Instrument :
MSVOA_Y
ClientSampleId :
SP2-A

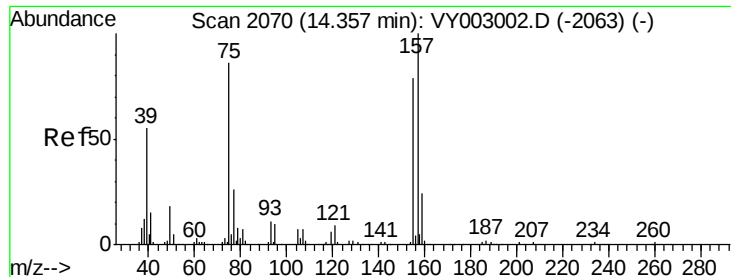
Tot Ion: 75 Resp: 133636
Ion Ratio Lower Upper
75 100
53 0.1 73.9 110.9#
89 0.1 37.5 56.3#



#82
4-Chlorotoluene
Concen: 30.524 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY003022.D
Acq: 29 Jun 2020 21:29

Tgt Ion: 91 Resp: 376314
Ion Ratio Lower Upper
91 100
126 35.0 17.4 52.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 33.492 ug/l

RT: 14.46 min Scan# 2087

Delta R.T. 0.10 min

Lab File: VY003022.D

Acq: 29 Jun 2020 21:29

Instrument :

MSVOA_Y

ClientSampleId :

SP2-A

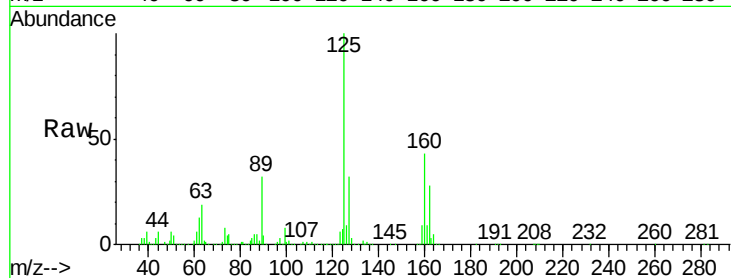
Tot Ion: 75 Resp: 21105

Ion Ratio Lower Upper

75 100

155 0.1 46.5 139.3#

157 0.0 59.2 177.5#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

