

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\
 Data File : VY003293.D
 Acq On : 22 Jul 2020 17:09
 Operator : SY/MD
 Sample : L3360-01RE
 Misc : 6.43G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1ARE

Quant Time: Jul 23 05:44:01 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	380172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	592017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	521506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	232856	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	194997	60.77	ug/l	0.00
Spiked Amount			Recovery	=	121.54%	
35) Dibromofluoromethane	7.72	113	81021	23.78	ug/l	0.00
Spiked Amount			Recovery	=	47.56%	
50) Toluene-d8	10.18	98	715930	56.52	ug/l	0.00
Spiked Amount			Recovery	=	113.04%	
62) 4-Bromofluorobenzene	12.48	95	213859	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	

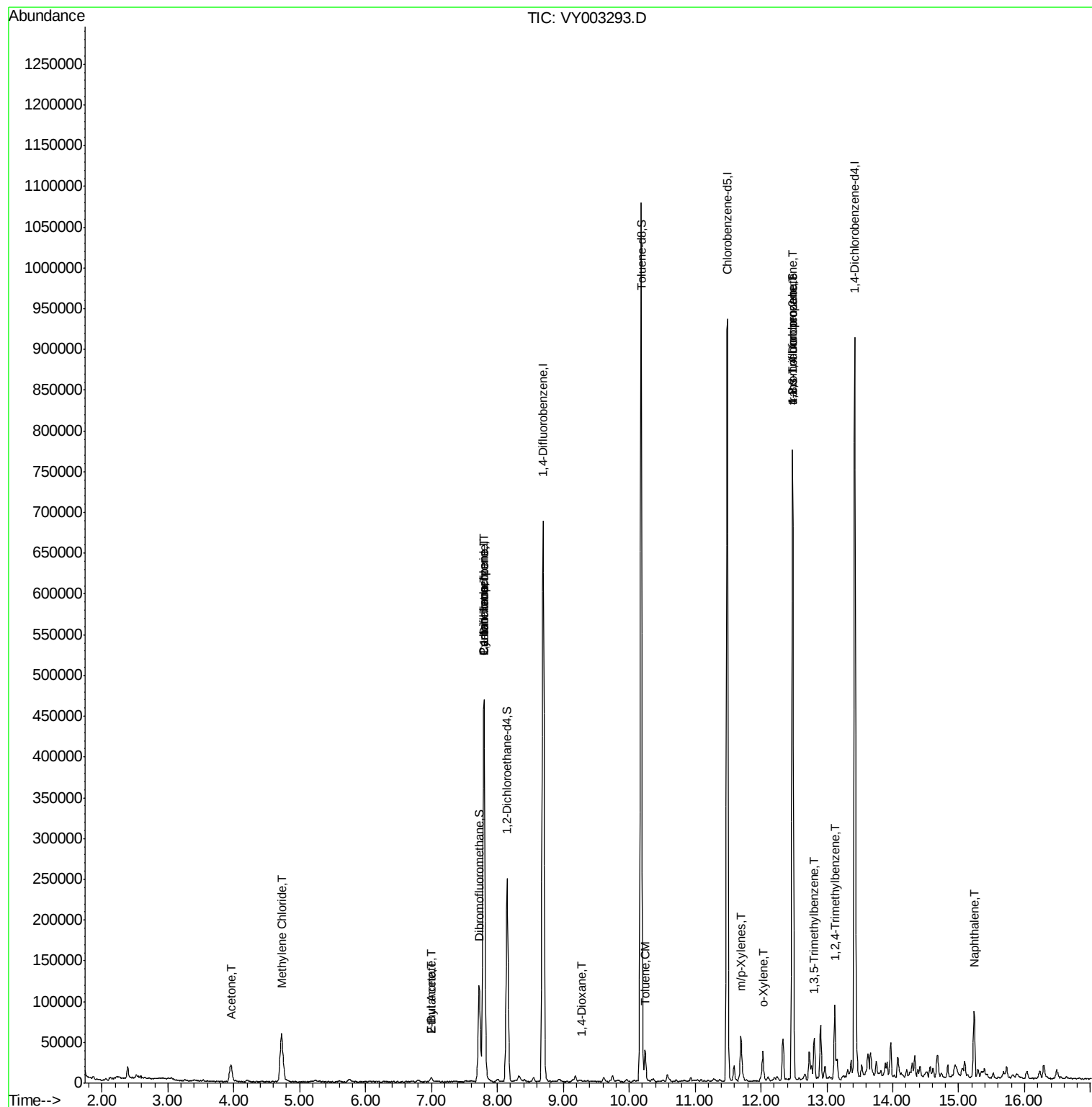
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	35465	49.480	ug/l	99
20) Methylene Chloride	4.72	84	43731	7.450	ug/l	90
25) 2-Butanone	7.00	43	7876	6.693	ug/l	91
31) Cyclohexane	7.80	56	8336	1.428	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	26634	4.964	ug/l #	50
37) Ethyl Acetate	7.00	43	7876	2.726	ug/l #	68
38) Carbon Tetrachloride	7.80	117	34550	6.237	ug/l #	17
49) 1,4-Dioxane	9.28	88	62	2.188	ug/l #	28
52) Toluene	10.24	92	15037	1.592	ug/l	100
68) m/p-Xylenes	11.69	106	16146	2.372	ug/l	94
69) o-Xylene	12.03	106	8539	1.343	ug/l	93
76) 1,2,3-Trichloropropane	12.48	75	109180	52.970	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	16499	1.334	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.48	75	109180	103.089	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	46354	3.725	ug/l	98
95) Naphthalene	15.23	128	65047	8.814	ug/l	99

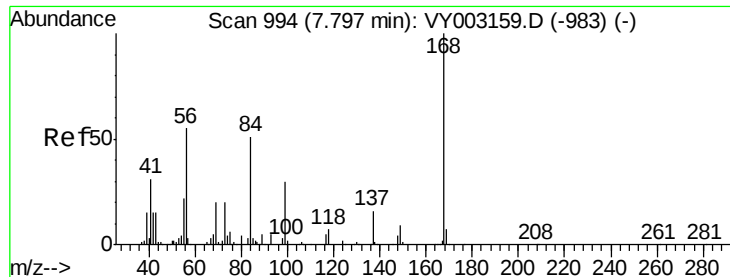
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003293.D

Acq: 22 Jul 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

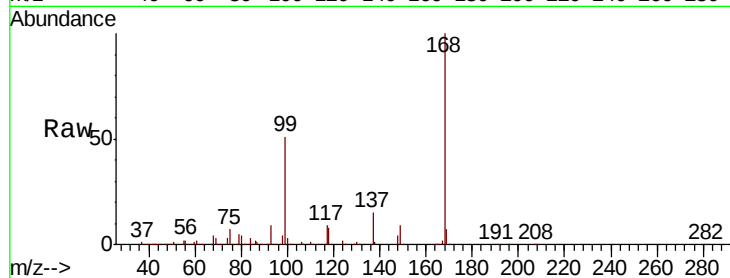
SP-1ARE

Tot Ion:168 Resp: 380172

Ion Ratio Lower Upper

168 100

99 50.8 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003293.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003293.D (-945) (-)

7.80

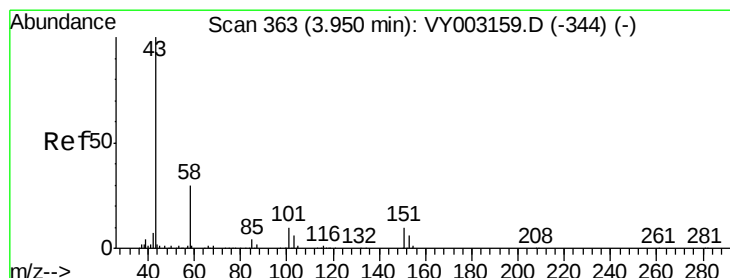
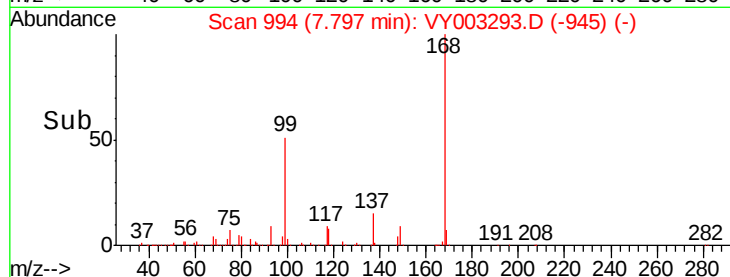
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 49.480 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003293.D

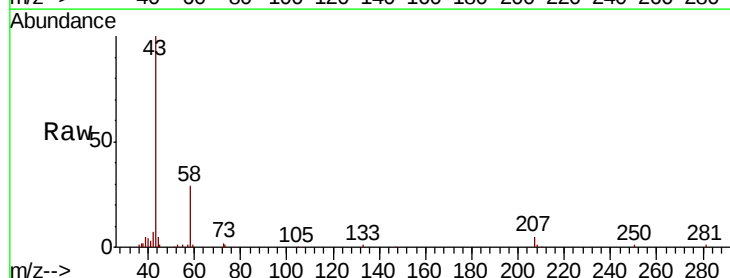
Acq: 22 Jul 2020 17:09

Tgt Ion: 43 Resp: 35465

Ion Ratio Lower Upper

43 100

58 29.1 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY003293.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003293.D (-314) (-)

3.96

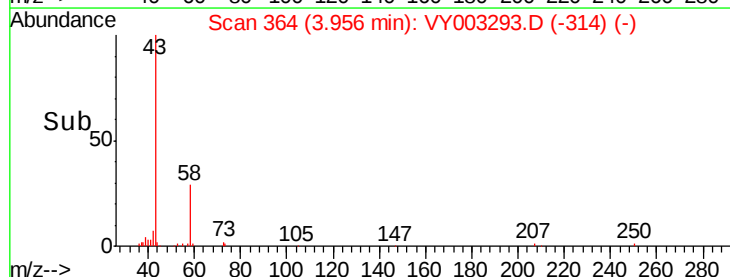
15000

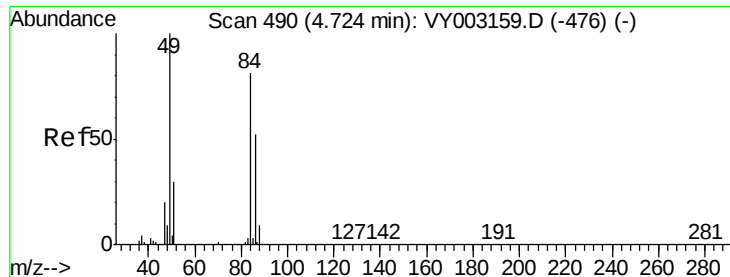
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5000

0

Time-->

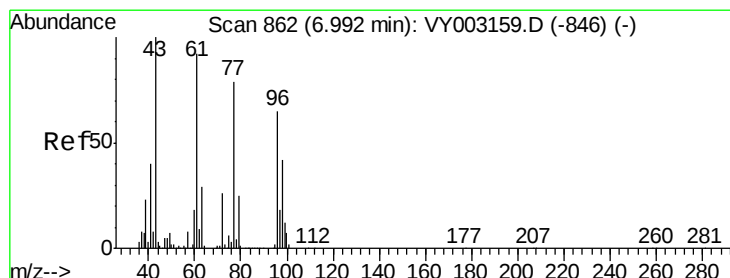
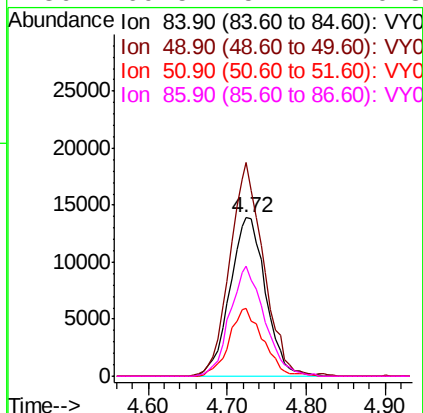
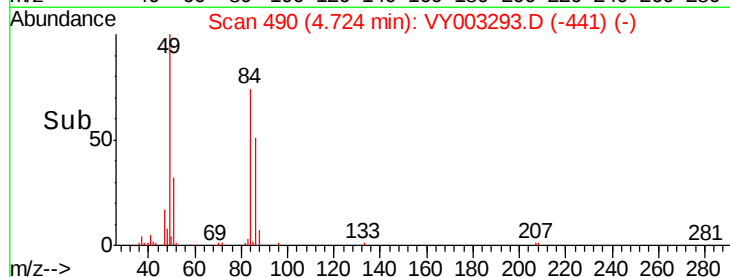
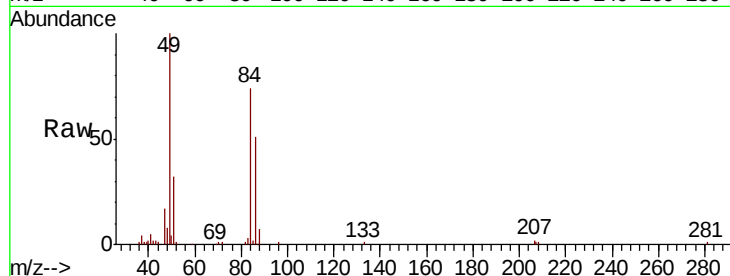




#20
Methvlene Chloride
Concen: 7.450 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003293.D
Acq: 22 Jul 2020 17:09

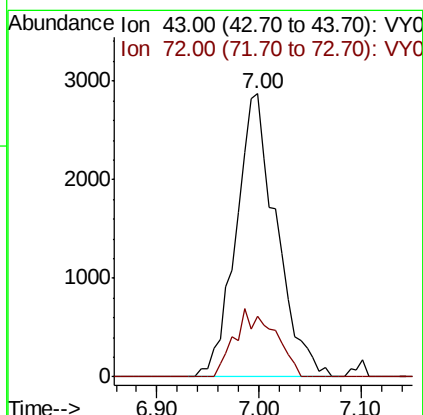
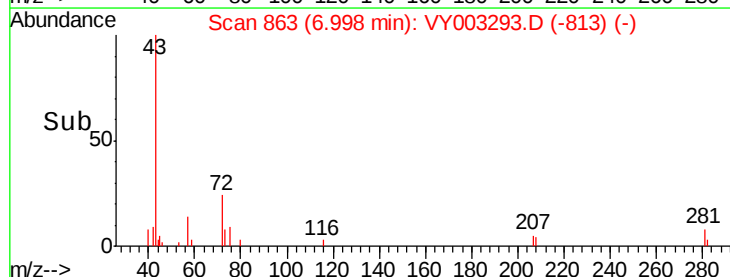
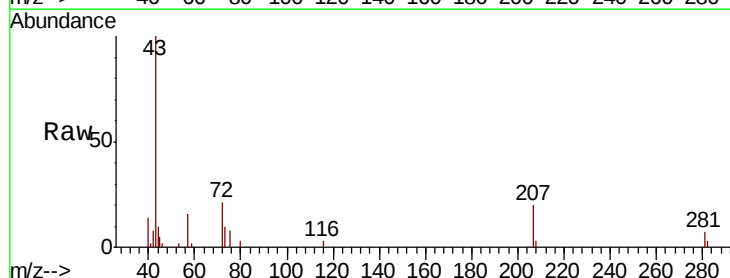
Instrument :
MSVOA_Y
ClientSampleId :
SP-1ARE

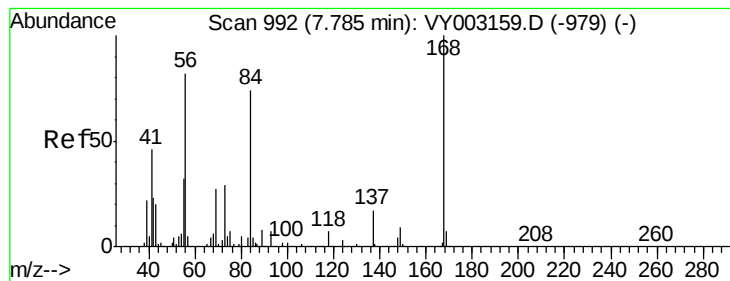
Tot Ion:	84	Resp:	43731
Ion	Ratio	Lower	Upper
84	100		
49	135.1	98.2	147.4
51	43.3	29.8	44.6
86	69.5	51.2	76.8



#25
2-Butanone
Concen: 6.693 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003293.D
Acq: 22 Jul 2020 17:09

Tgt Ion:	43	Resp:	7876
Ion	Ratio	Lower	Upper
43	100		
72	21.4	20.9	31.3





#31

Cyclohexane

Concen: 1.428 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003293.D

Acq: 22 Jul 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

SP-1ARE

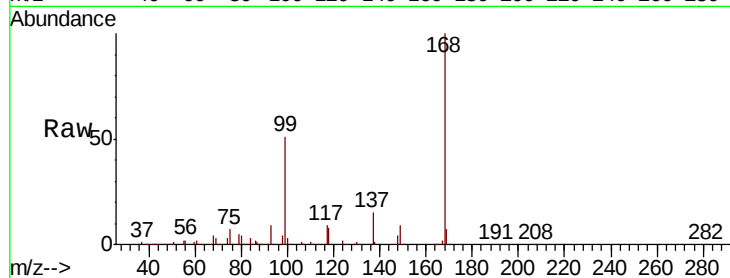
Tot Ion: 56 Resp: 8336

Ion Ratio Lower Upper

56 100

69 146.1 26.7 40.1#

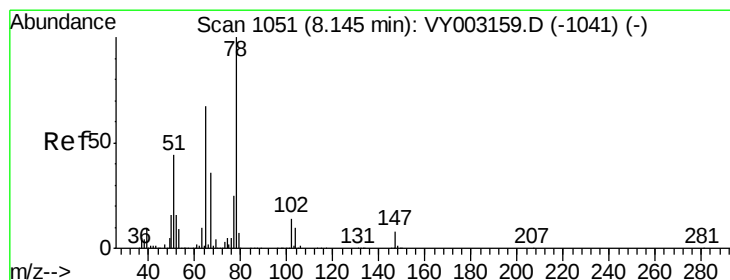
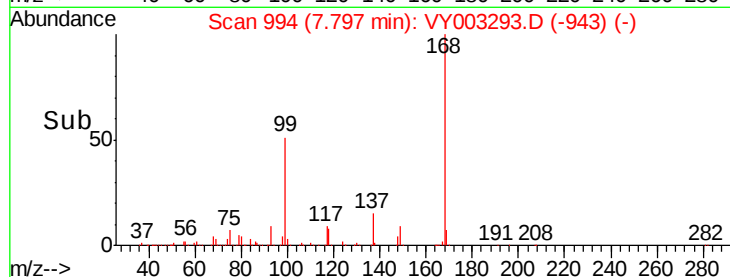
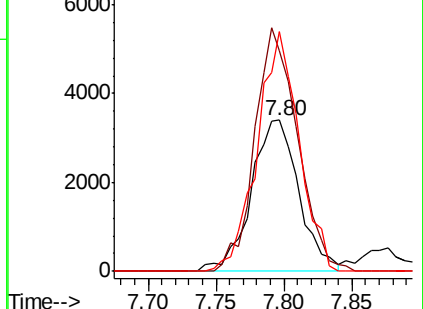
84 158.7 72.3 108.5#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 60.770 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VY003293.D

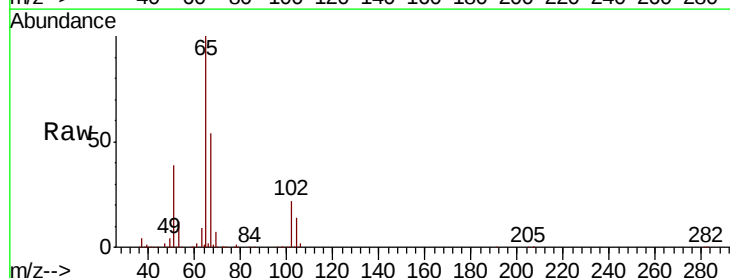
Acq: 22 Jul 2020 17:09

Tgt Ion: 65 Resp: 194997

Ion Ratio Lower Upper

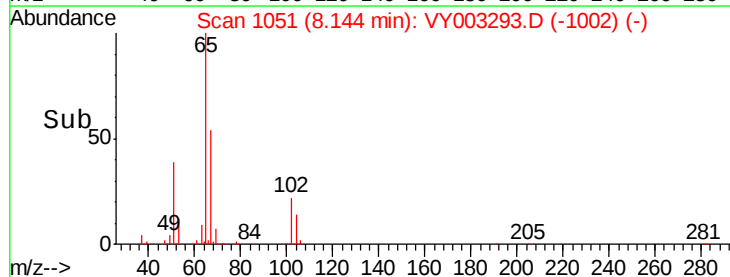
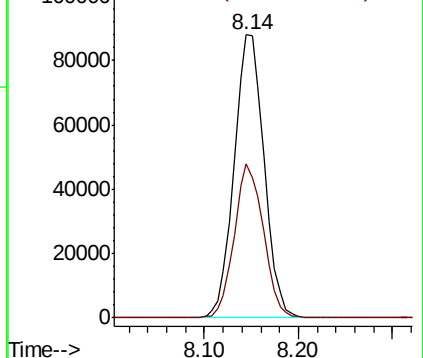
65 100

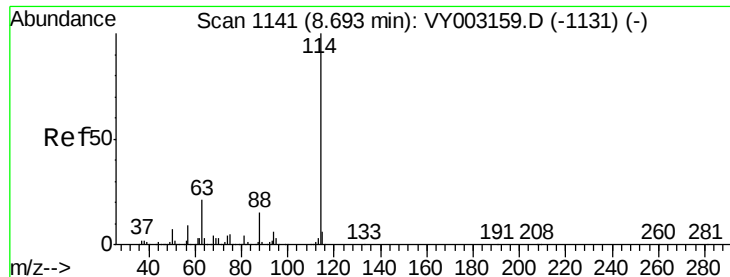
67 52.9 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

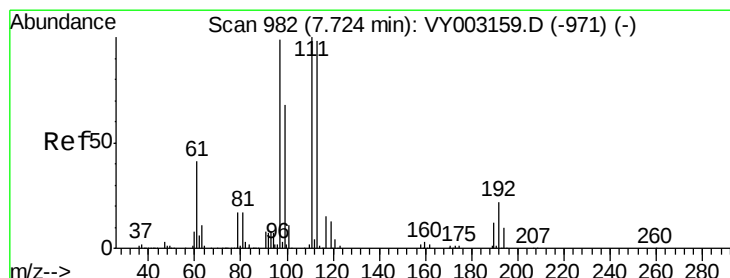
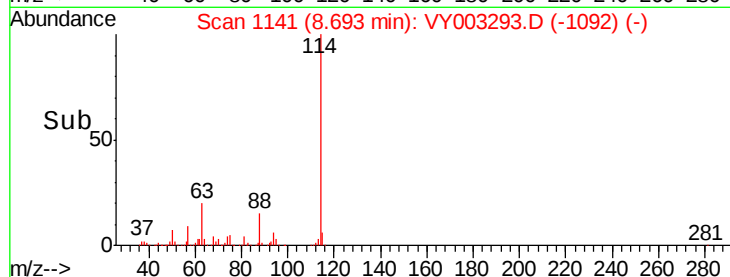
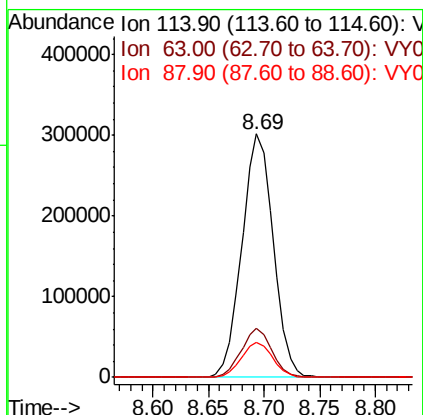
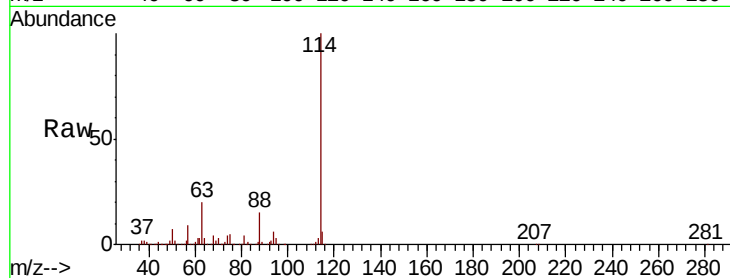




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003293.D
 Acq: 22 Jul 2020 17:09

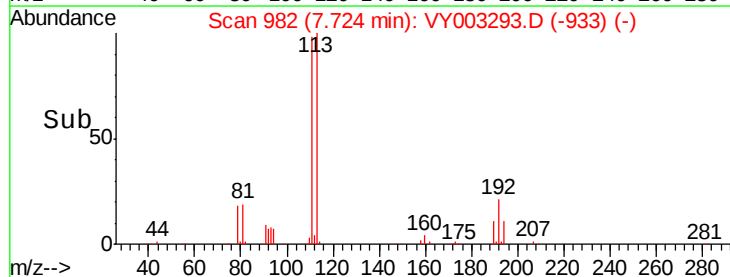
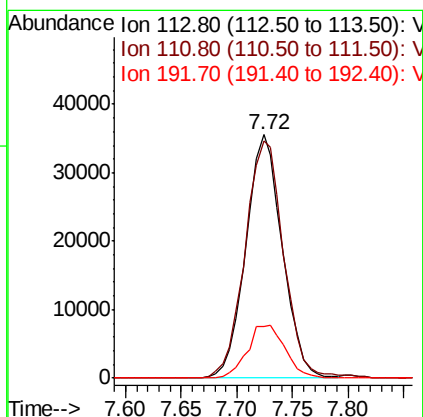
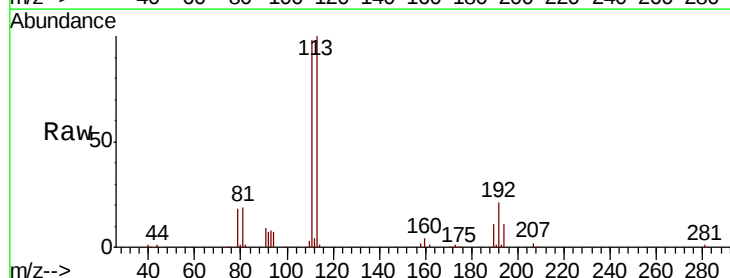
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1ARE

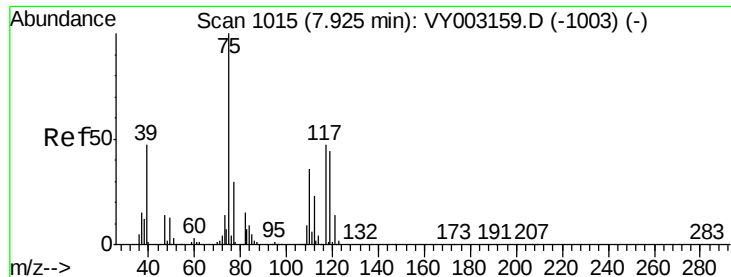
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.2
88	14.5	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 23.781 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003293.D
 Acq: 22 Jul 2020 17:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.1	123.1
192	22.6	18.8	28.2

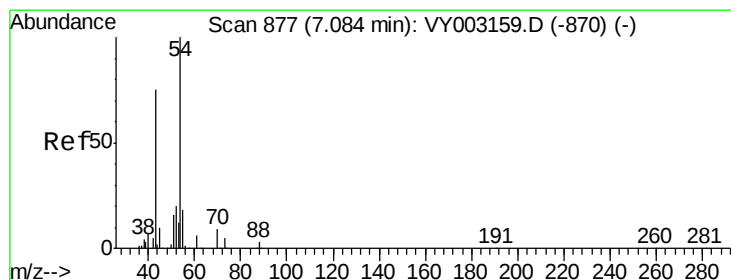
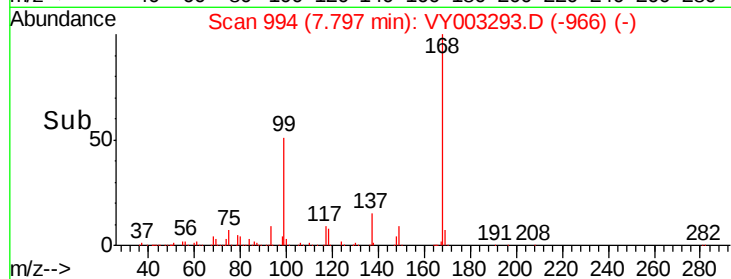
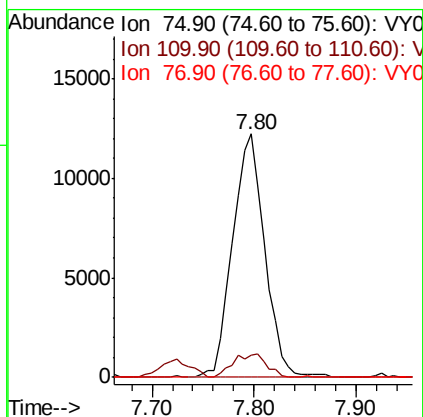
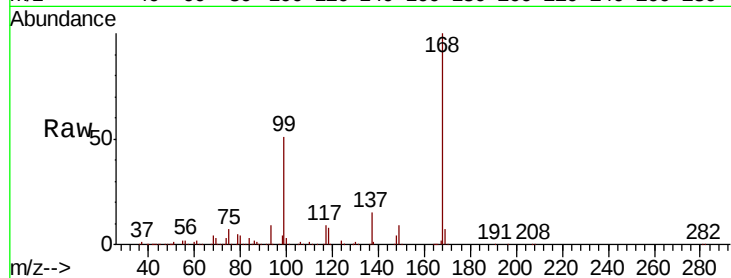




#36
 1,1-Dichloropropene
 Concen: 4.964 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003293.D
 Acq: 22 Jul 2020 17:09

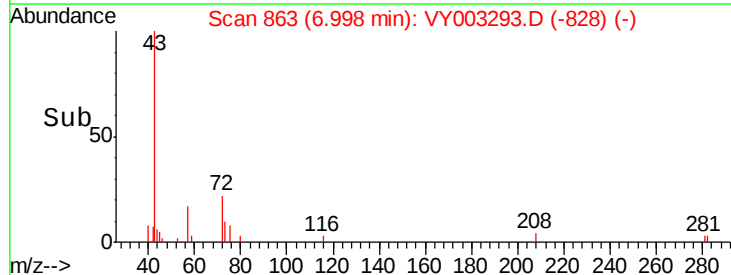
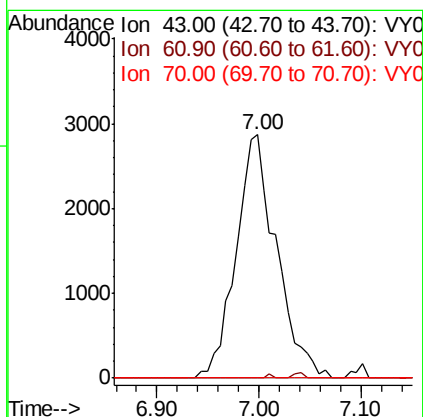
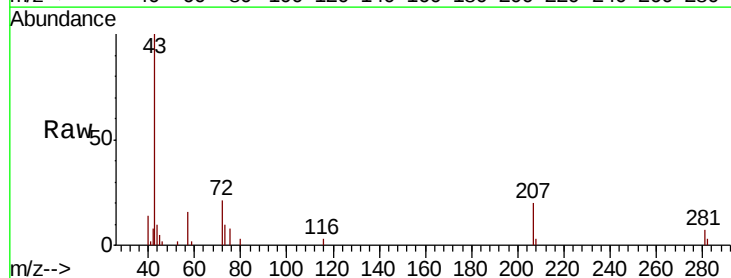
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1ARE

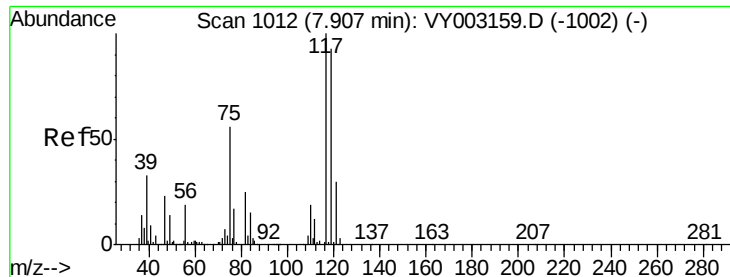
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.1	54.1#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 2.726 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.09 min
 Lab File: VY003293.D
 Acq: 22 Jul 2020 17:09

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.2	11.8	17.6#
70	0.0	8.6	13.0#





#38

Carbon Tetrachloride

Concen: 6.237 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003293.D

Acq: 22 Jul 2020 17:09

Instrument :

MSVOA_Y

ClientSampled :

SP-1ARE

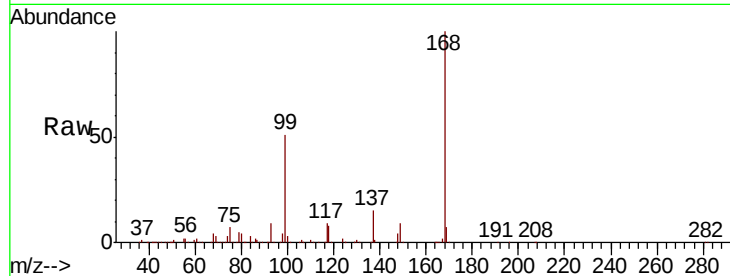
Tot Ion:117 Resp: 34550

Ion Ratio Lower Upper

117 100

119 4.6 74.5 111.7#

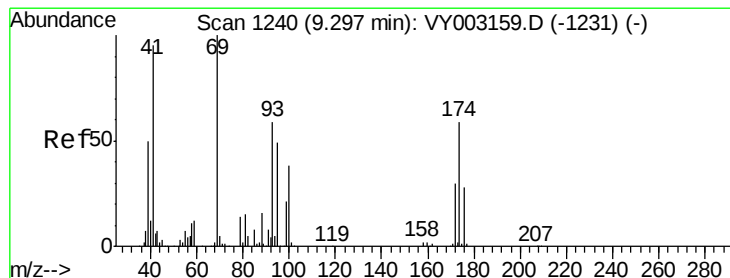
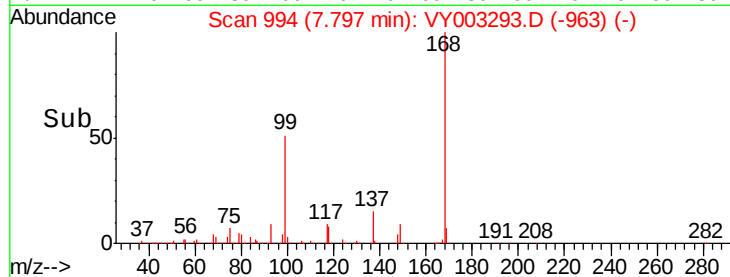
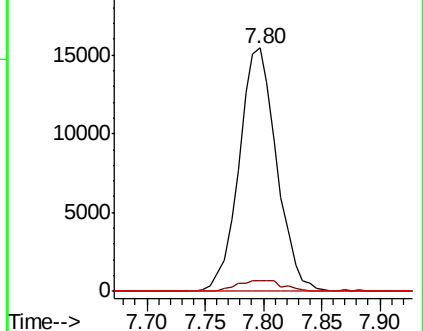
121 0.0 24.2 36.2#



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: 2.188 ug/l

RT: 9.28 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VY003293.D

Acq: 22 Jul 2020 17:09

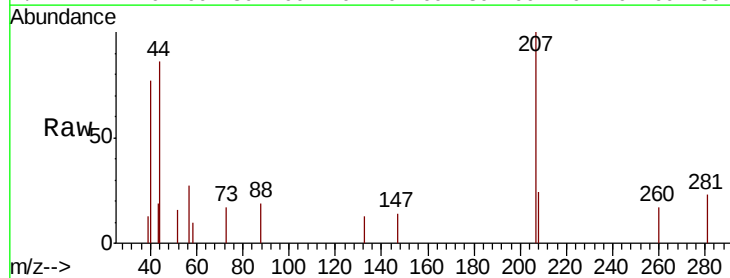
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

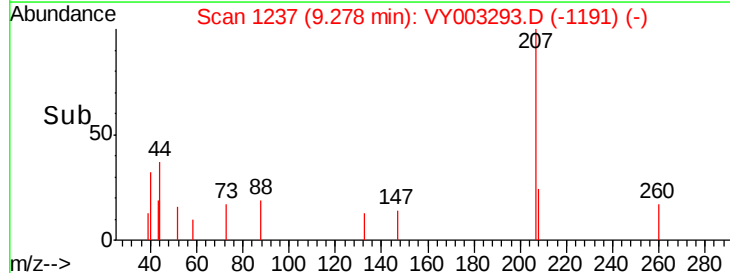
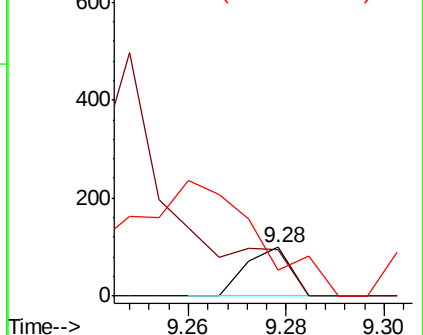
58 0.0 47.8 71.6#

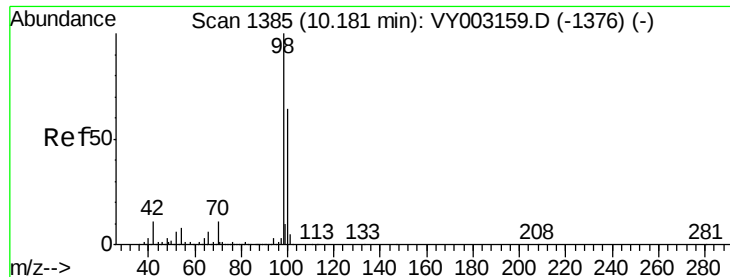


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 56.522 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003293.D

Acq: 22 Jul 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

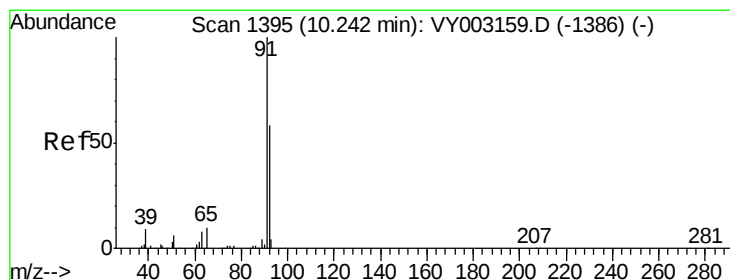
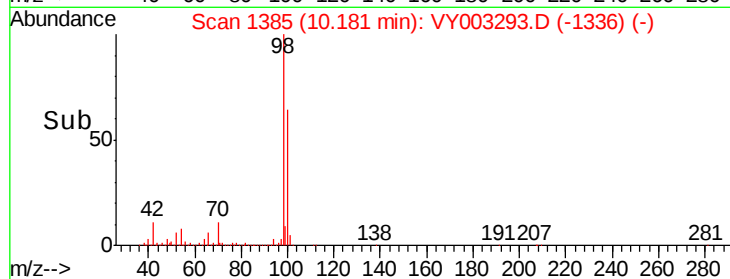
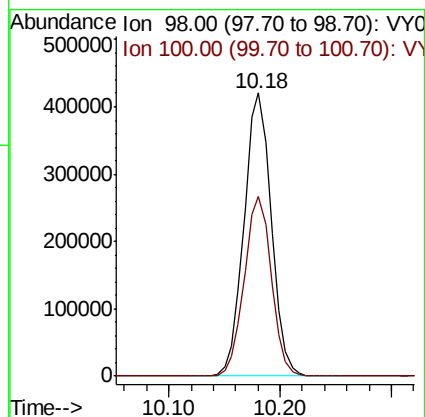
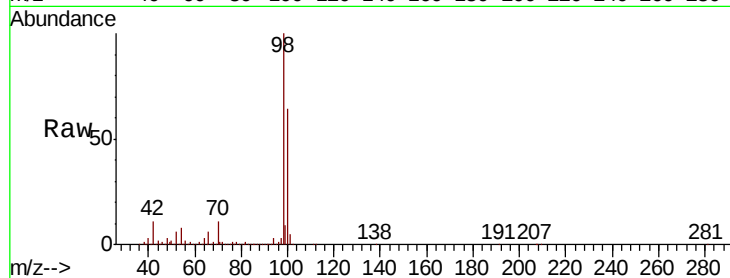
SP-1ARE

Tot Ion: 98 Resp: 715930

Ion Ratio Lower Upper

98 100

100 63.2 50.7 76.1



#52

Toluene

Concen: 1.592 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003293.D

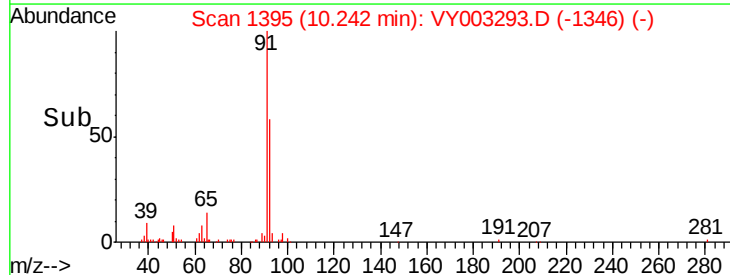
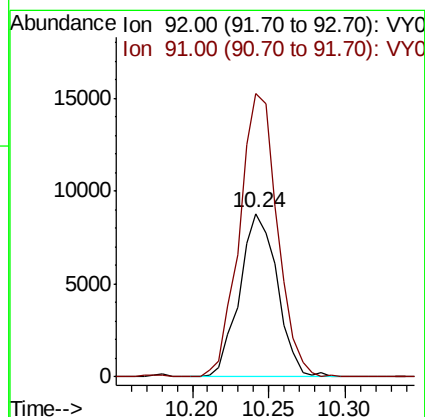
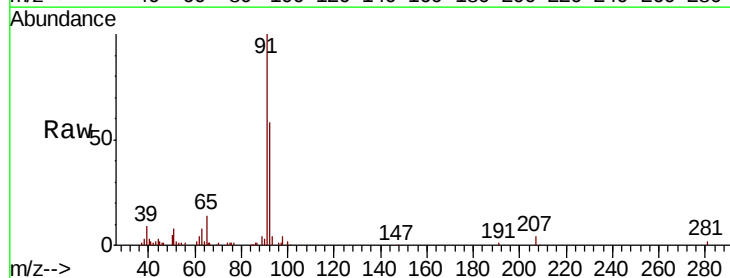
Acq: 22 Jul 2020 17:09

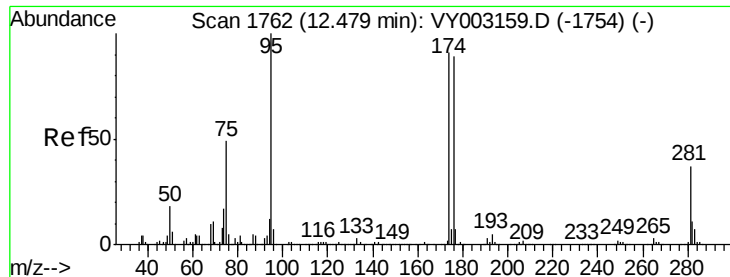
Tgt Ion: 92 Resp: 15037

Ion Ratio Lower Upper

92 100

91 174.1 139.7 209.5





#62

4-Bromofluorobenzene

Concen: 46.736 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003293.D

Acq: 22 Jul 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

SP-1ARE

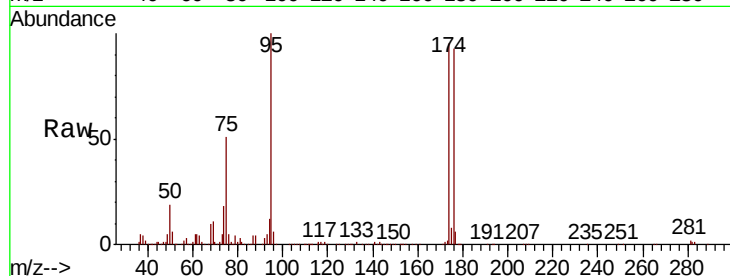
Tot Ion: 95 Resp: 213859

Ion Ratio Lower Upper

95 100

174 96.5 0.0 190.6

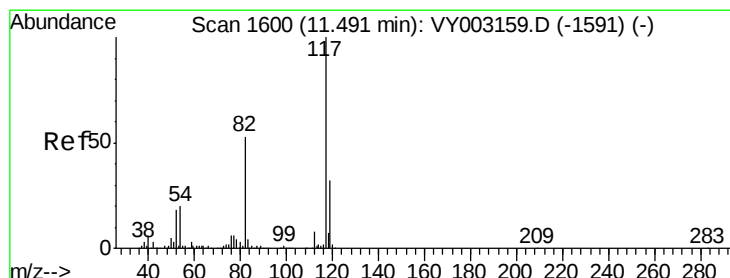
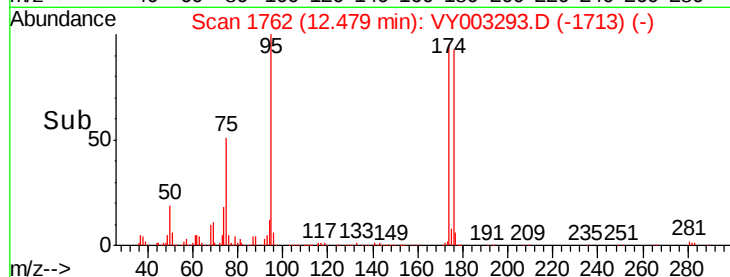
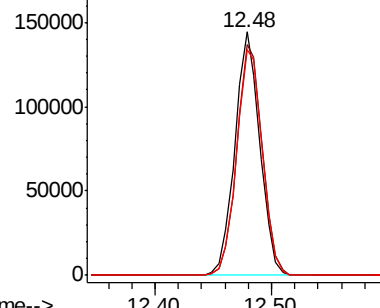
176 95.2 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003293.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY003293.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY003293.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003293.D

Acq: 22 Jul 2020 17:09

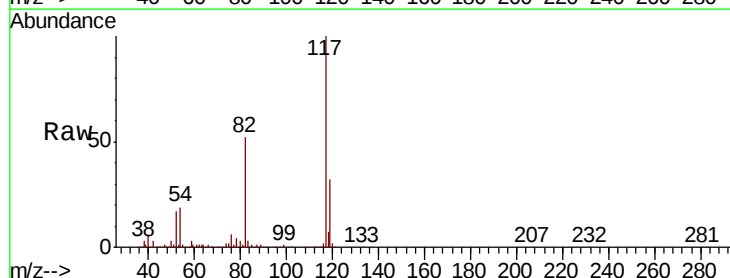
Tgt Ion: 117 Resp: 521506

Ion Ratio Lower Upper

117 100

82 52.3 42.0 63.0

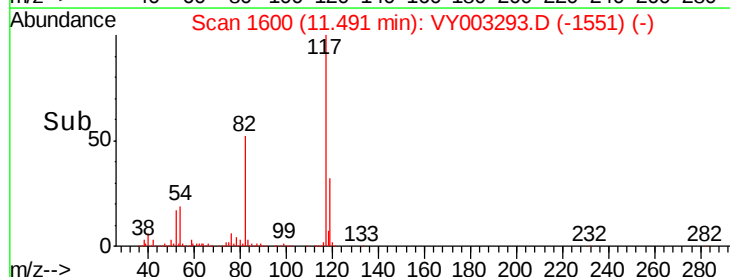
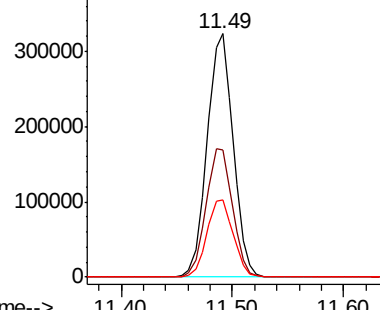
119 31.9 25.5 38.3

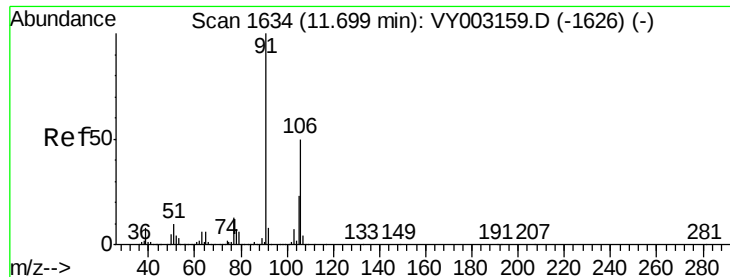


Abundance Ion 116.90 (116.60 to 117.60): VY003293.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003293.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003293.D (-1551) (-)

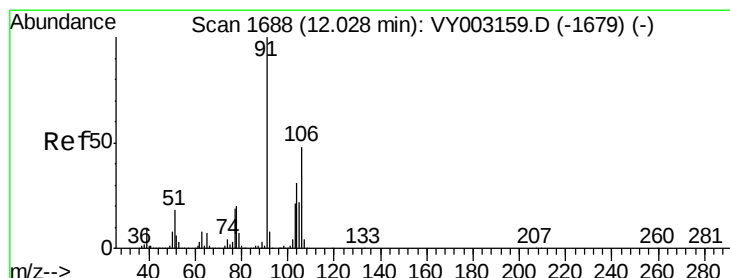
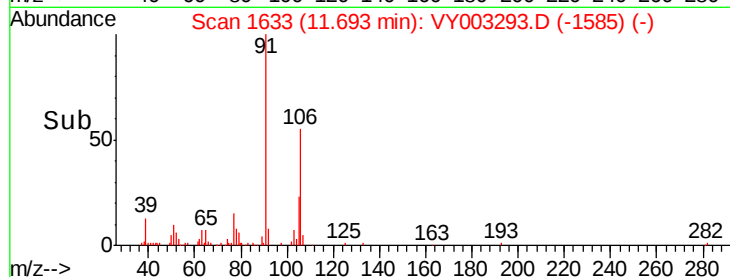
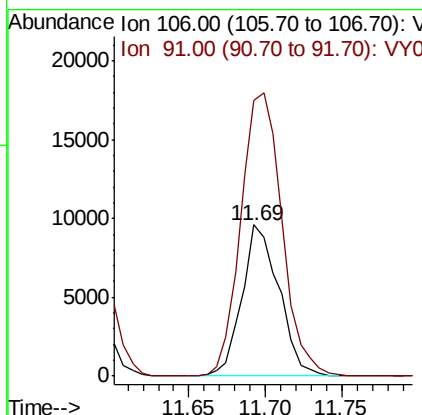
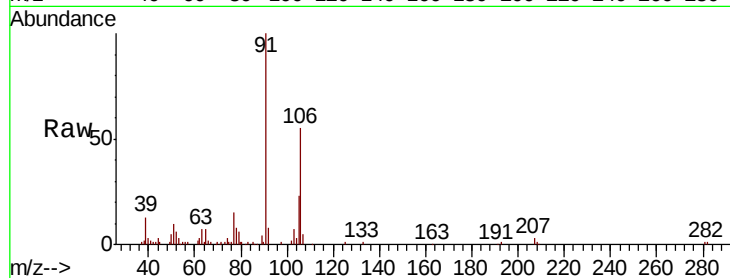




#68
m/p-Xylenes
Concen: 2.372 ug/l
RT: 11.69 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VY003293.D
Acq: 22 Jul 2020 17:09

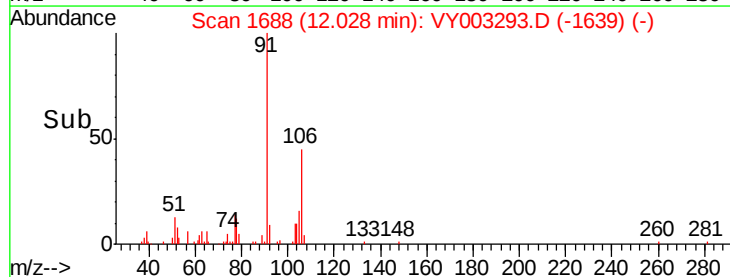
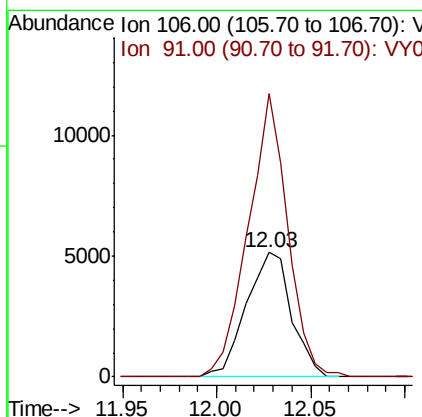
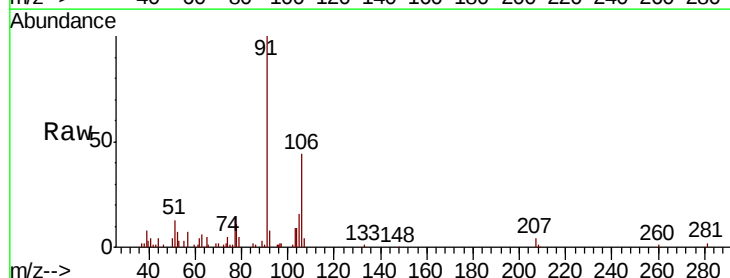
Instrument :
MSVOA_Y
ClientSampleId :
SP-1ARE

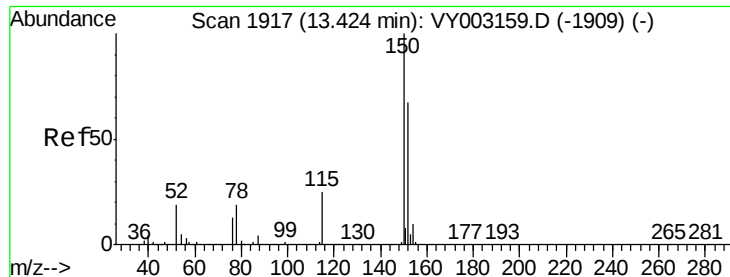
Tot Ion:106 Resp: 16146
Ion Ratio Lower Upper
106 100
91 207.6 159.0 238.6



#69
o-Xylene
Concen: 1.343 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003293.D
Acq: 22 Jul 2020 17:09

Tgt Ion:106 Resp: 8539
Ion Ratio Lower Upper
106 100
91 198.6 105.1 315.1



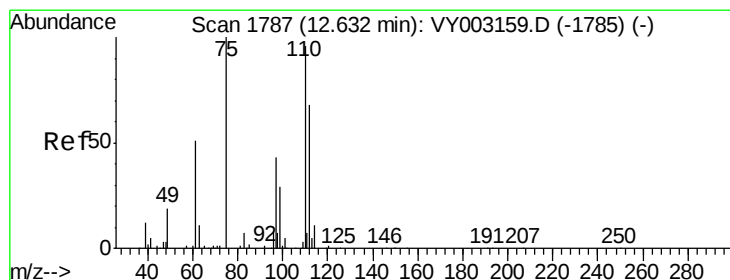
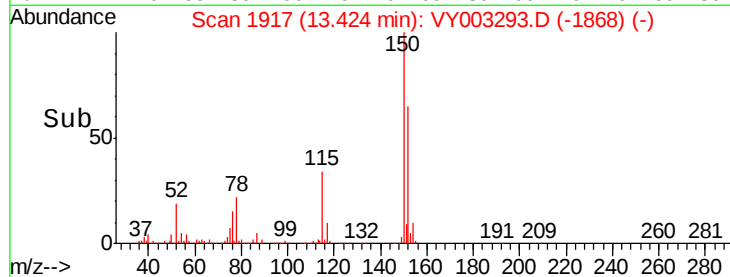
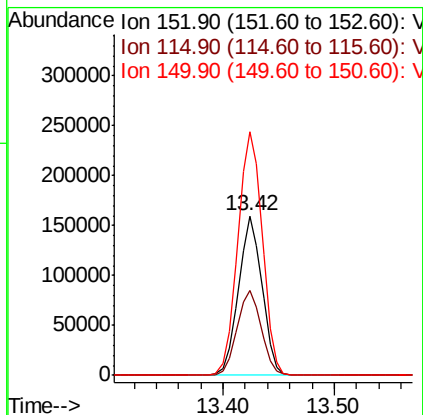
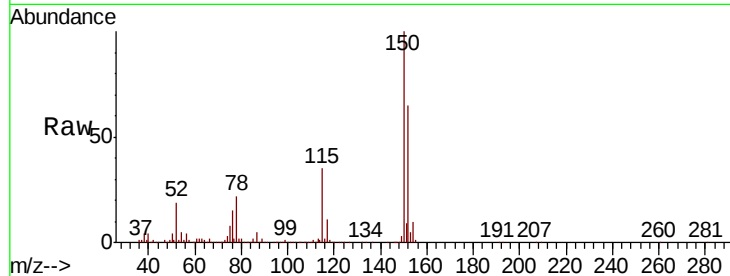


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003293.D
Acq: 22 Jul 2020 17:09

Instrument :
MSVOA_Y
ClientSampleId :
SP-1ARE

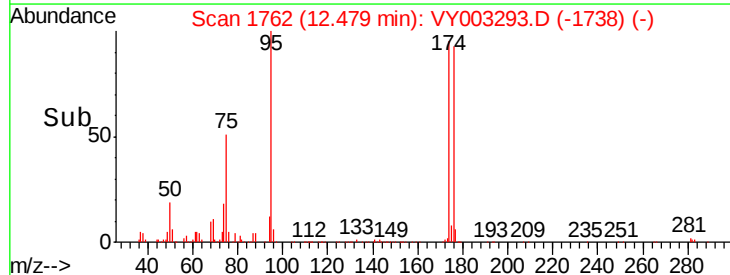
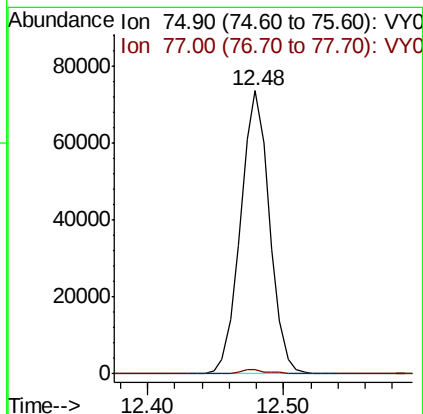
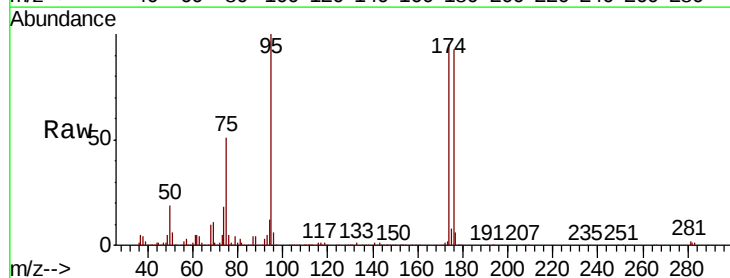
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.4	26.9	80.7
150	159.1	0.0	338.0

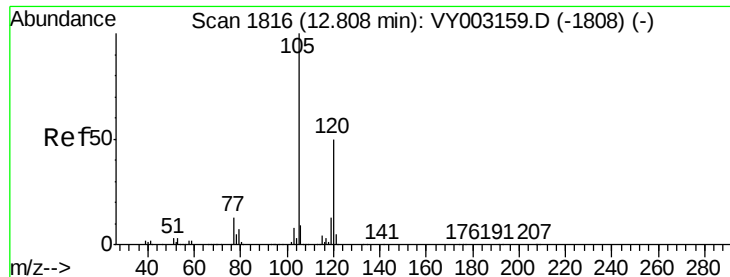


#76

1,2,3-Trichloropropane
Concen: 52.970 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003293.D
Acq: 22 Jul 2020 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0

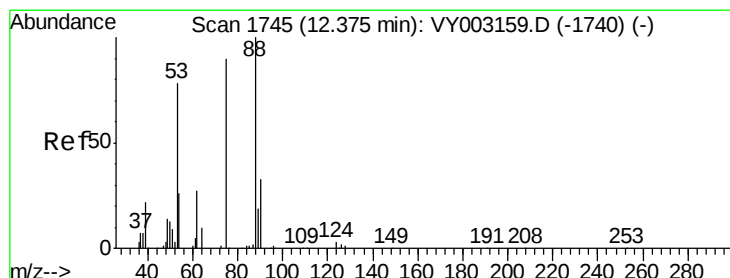
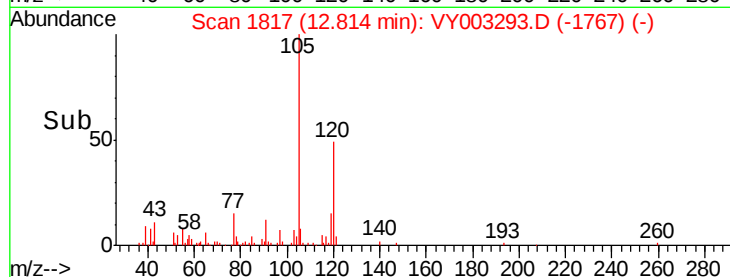
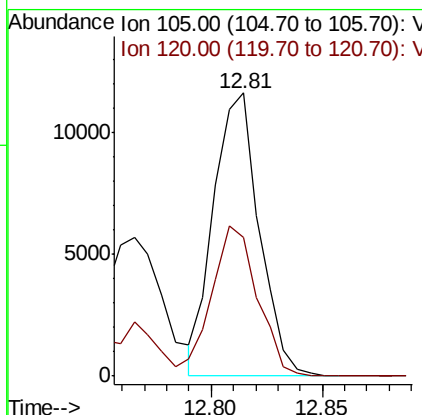
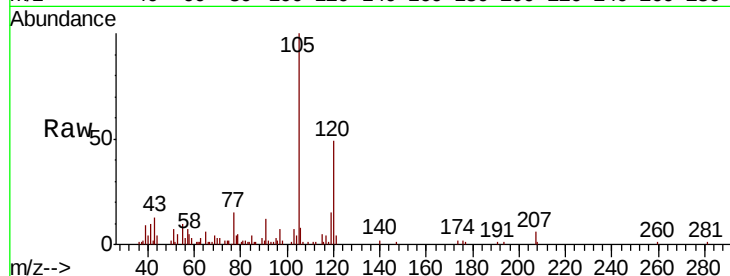




#80
 1,3,5-Trimethylbenzene
 Concen: 1.334 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. 0.01 min
 Lab File: VY003293.D
 Acq: 22 Jul 2020 17:09

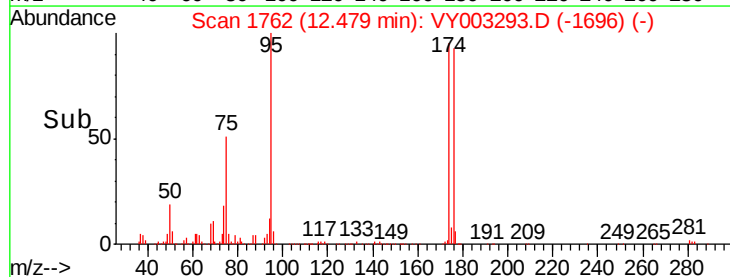
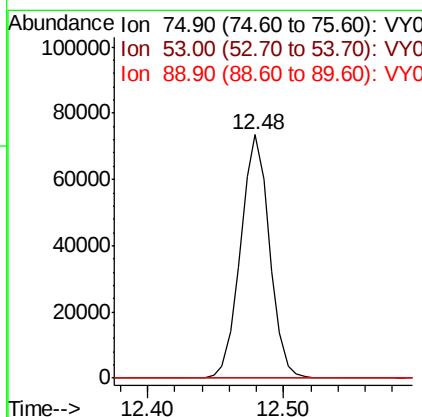
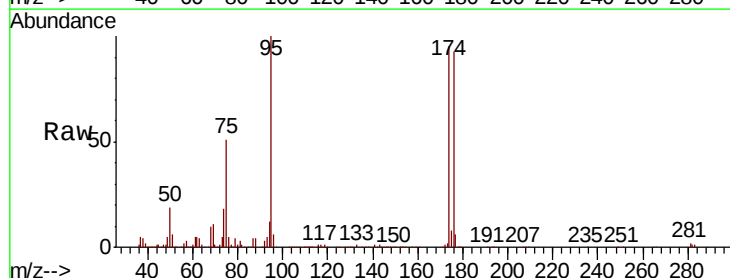
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1ARE

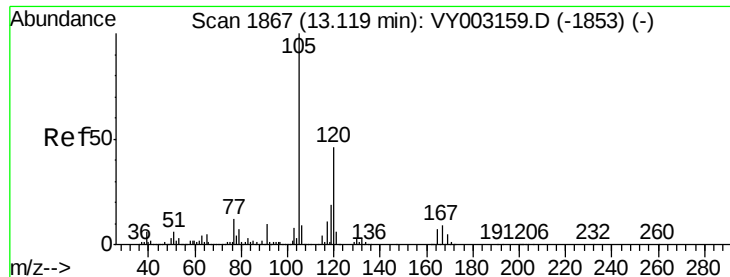
Tot Ion:105 Resp: 16499
 Ion Ratio Lower Upper
 105 100
 120 53.7 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.089 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY003293.D
 Acq: 22 Jul 2020 17:09

Tgt Ion: 75 Resp: 109180
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.0 108.0#
 89 0.0 37.3 55.9#

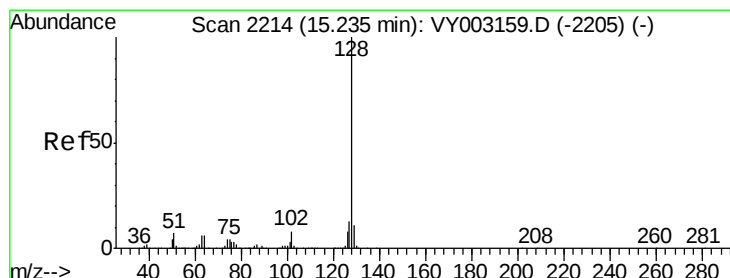
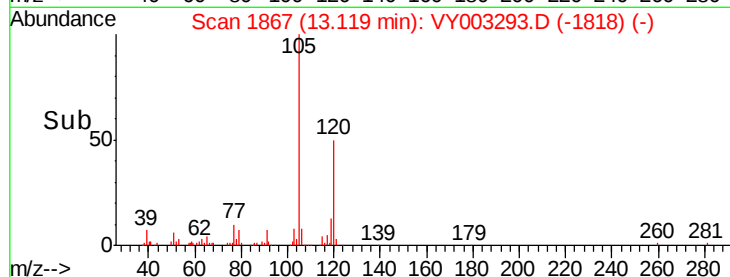
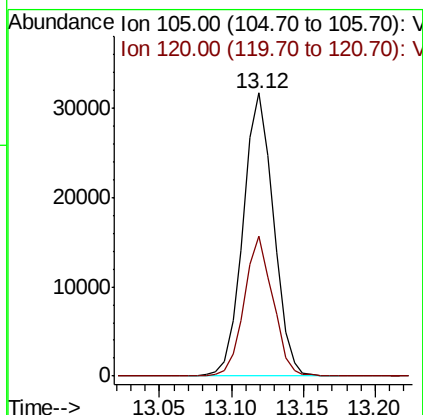
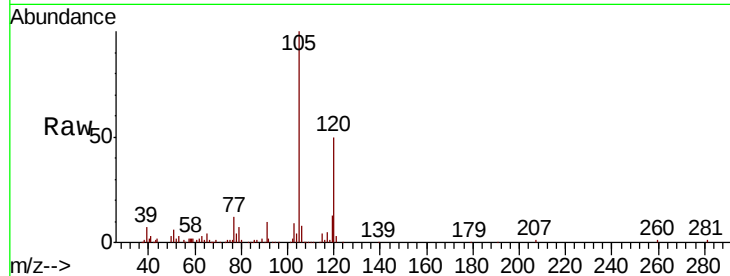




#84
 1,2,4-Trimethylbenzene
 Concen: 3.725 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY003293.D
 Acq: 22 Jul 2020 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1ARE

Tot Ion:105 Resp: 46354
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.5 67.5



#95
 Naphthalene
 Concen: 8.814 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY003293.D
 Acq: 22 Jul 2020 17:09

Tgt Ion:128 Resp: 65047
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.9 16.3
 129 10.9 9.0 13.6

