

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003019.D
 Acq On : 29 Jun 2020 20:18
 Operator : SY/MD
 Sample : L3153-01
 Misc : 6.50G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP1-A

Quant Time: Jun 30 06:02:07 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	417881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	665880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	611684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	281989	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	235016	56.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.24%	
35) Dibromofluoromethane	7.72	113	222298	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
50) Toluene-d8	10.18	98	794773	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.48	95	269442	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	

Target Compounds

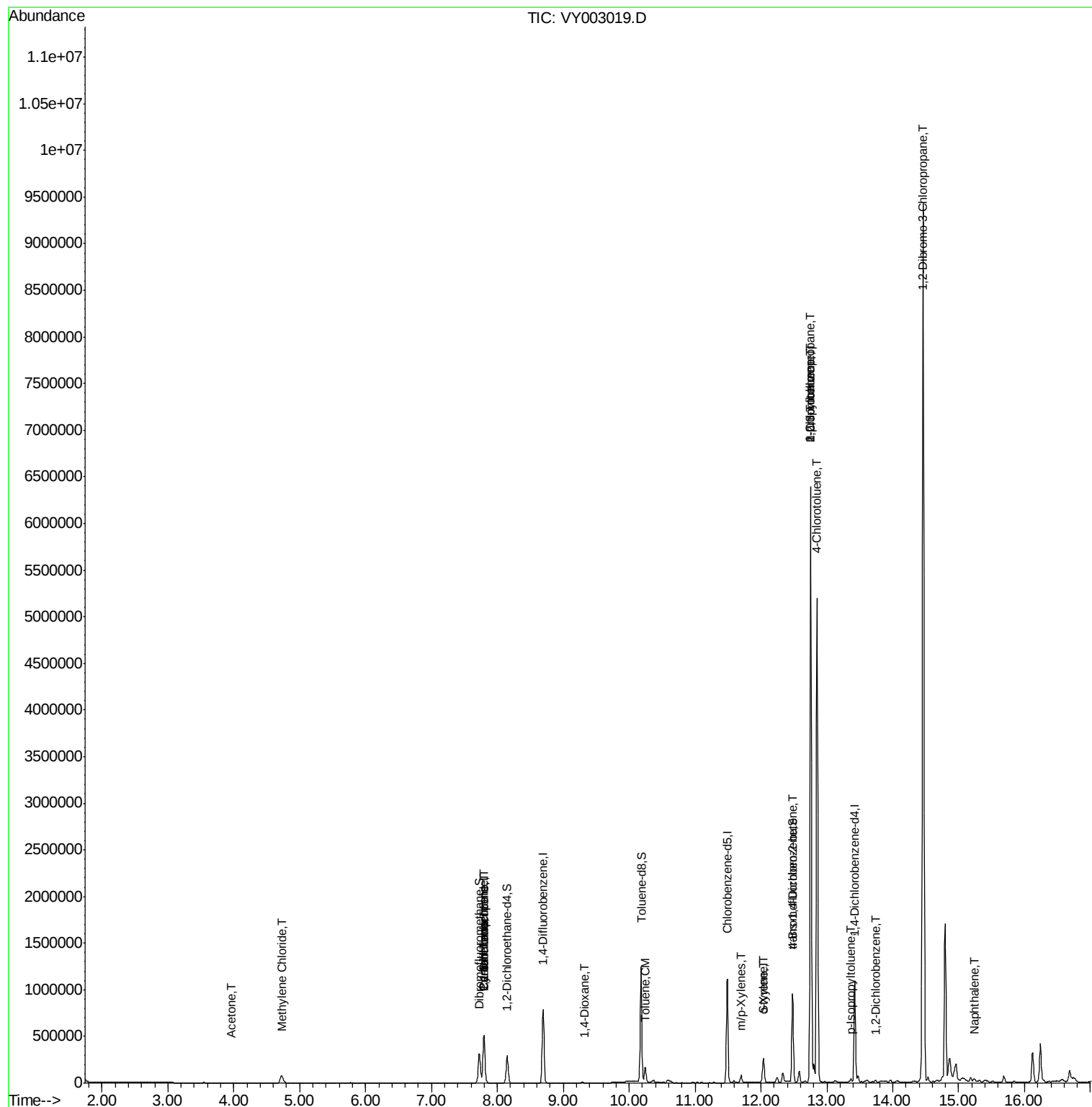
						Qvalue
16) Acetone	3.96	43	2520	2.574	ug/l	92
20) Methylene Chloride	4.73	84	61089	8.151	ug/l	96
31) Cyclohexane	7.79	56	7652	1.048	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	28018	4.368	ug/l #	51
38) Carbon Tetrachloride	7.79	117	37064	5.554	ug/l #	17
49) 1,4-Dioxane	9.32	88	49	1.521	ug/l #	10
52) Toluene	10.24	92	65038	5.884	ug/l	98
68) m/p-Xylenes	11.70	106	24079	2.932	ug/l	95
69) o-Xylene	12.03	106	35231	4.553	ug/l	94
70) Styrene	12.04	104	100239	7.582	ug/l	97
76) 1,2,3-Trichloropropane	12.75	75	89815	32.182	ug/l #	100
78) n-propylbenzene	12.75	91	3352582	151.053	ug/l #	53
79) 2-Chlorotoluene	12.75	91	3352582	270.618	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.48	75	138452	96.520	ug/l #	12
82) 4-Chlorotoluene	12.85	91	2787998	216.149	ug/l	100
86) p-Isopropyltoluene	13.37	119	18775	1.081	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	10211	1.288	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.46	75	187728	284.744	ug/l #	1
95) Naphthalene	15.23	128	19312	1.795	ug/l #	91

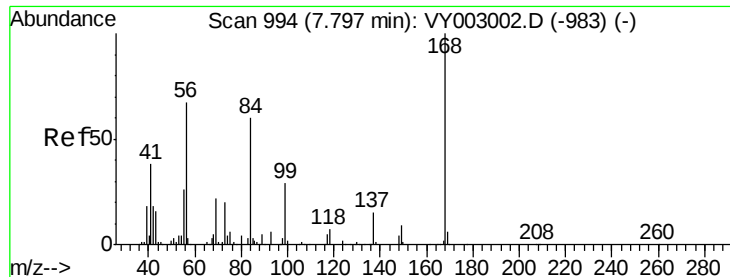
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 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: VY003019.D

Acq: 29 Jun 2020 20:18

Instrument :

MSVOA_Y

ClientSampleId :

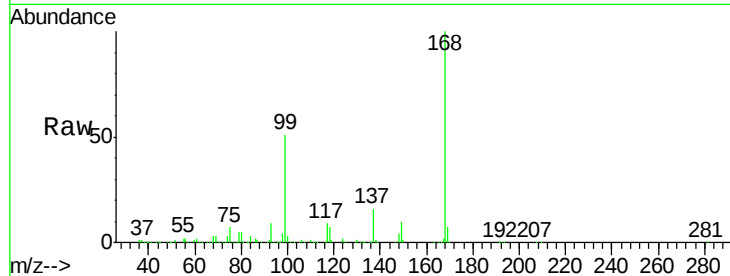
SP1-A

Tot Ion:168 Resp: 417881

Ion Ratio Lower Upper

168 100

99 50.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003019.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003019.D (-945) (-)

7.80

200000

150000

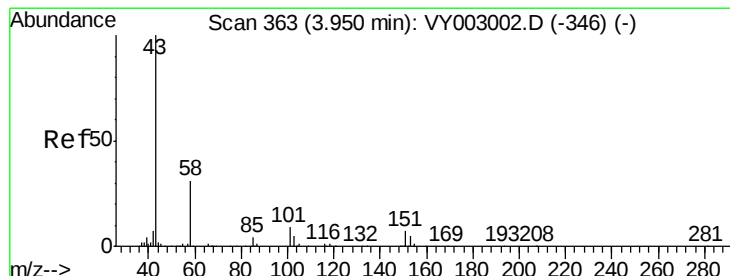
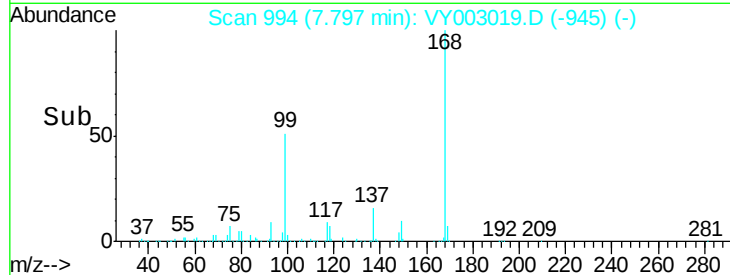
100000

50000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 2.574 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003019.D

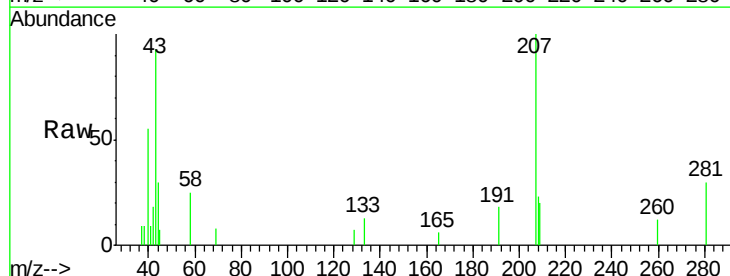
Acq: 29 Jun 2020 20:18

Tgt Ion: 43 Resp: 2520

Ion Ratio Lower Upper

43 100

58 26.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003019.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003019.D (-314) (-)

3.96

800

600

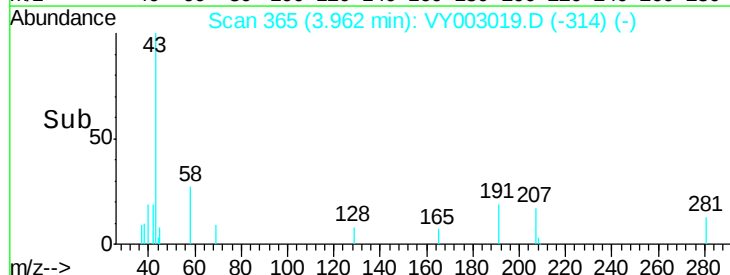
400

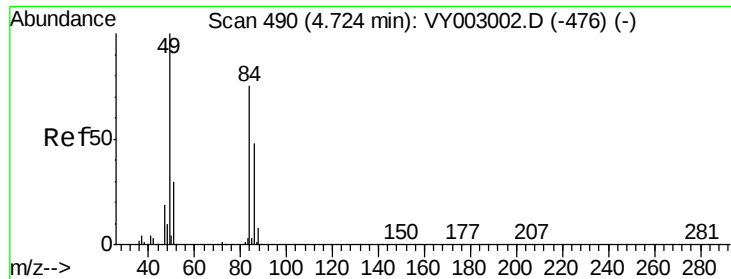
200

0

3.90 3.95 4.00 4.05

Time-->

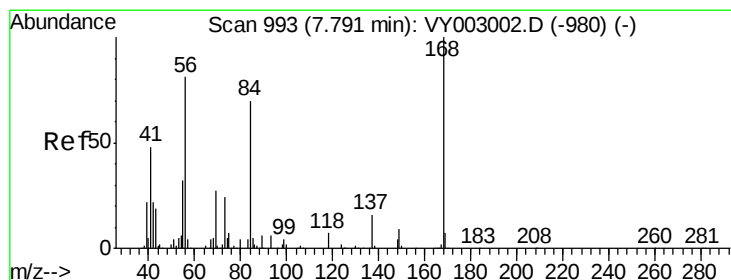
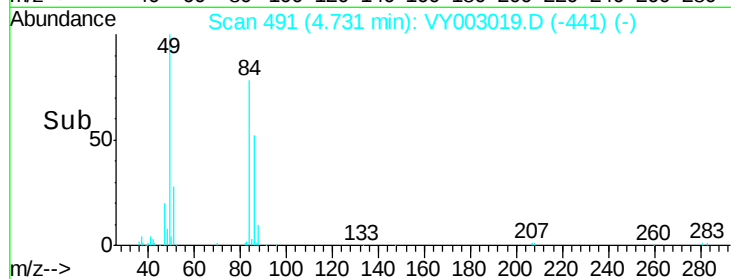
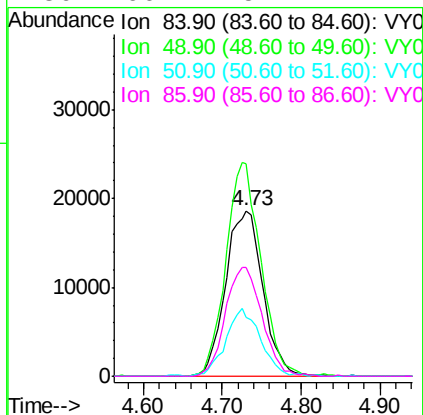
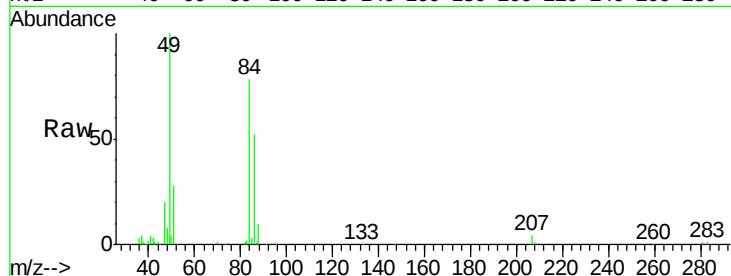




#20
Methvlene Chloride
Concen: 8.151 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

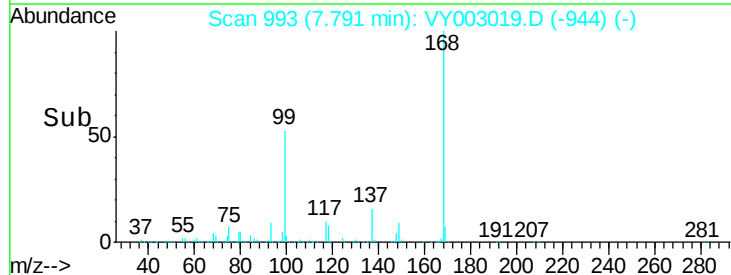
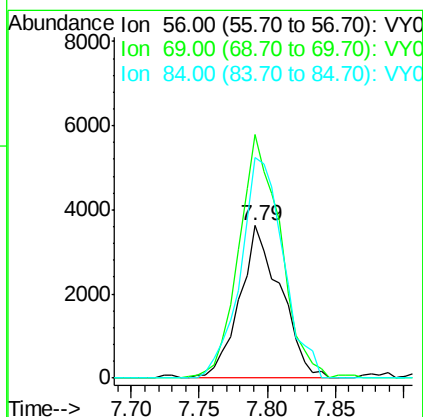
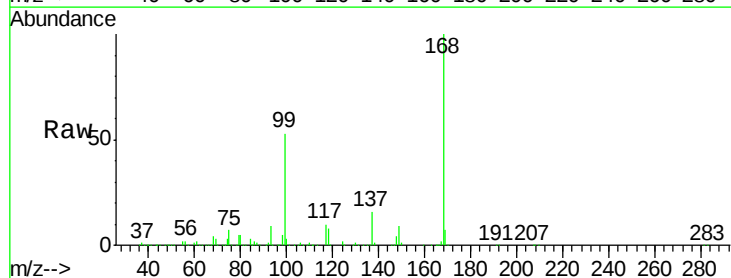
Instrument :
MSVOA_Y
ClientSampleId :
SP1-A

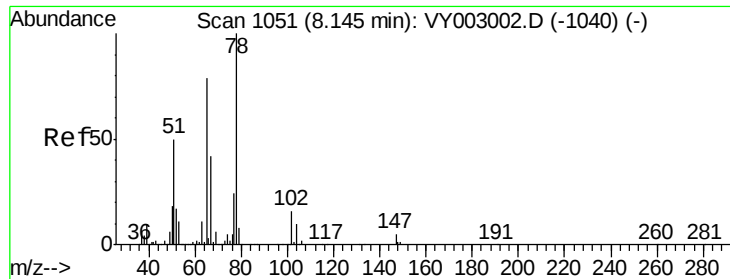
Tot Ion:	84	Resp:	61089
Ion	Ratio	Lower	Upper
84	100		
49	128.1	106.8	160.2
51	35.8	32.0	48.0
86	66.1	51.4	77.2



#31
Cyclohexane
Concen: 1.048 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

Tgt Ion:	56	Resp:	7652
Ion	Ratio	Lower	Upper
56	100		
69	158.6	27.0	40.4#
84	153.7	68.1	102.1#

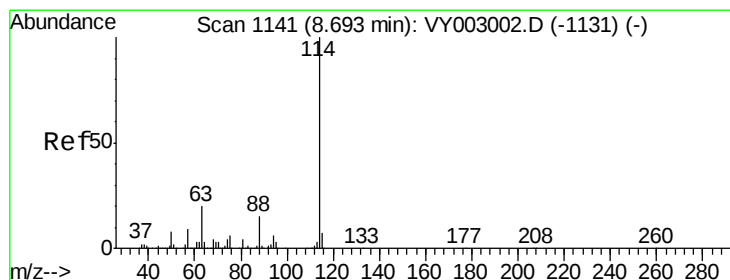
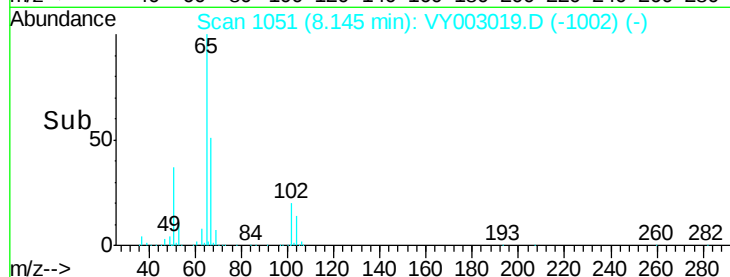
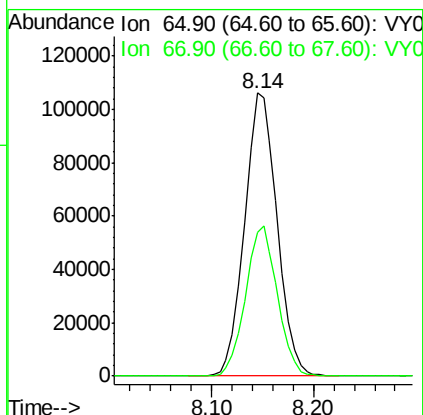
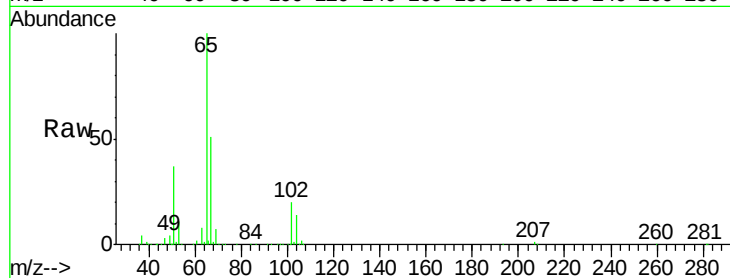




#33
 1,2-Dichloroethane-d4
 Concen: 56.625 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003019.D
 Acq: 29 Jun 2020 20:18

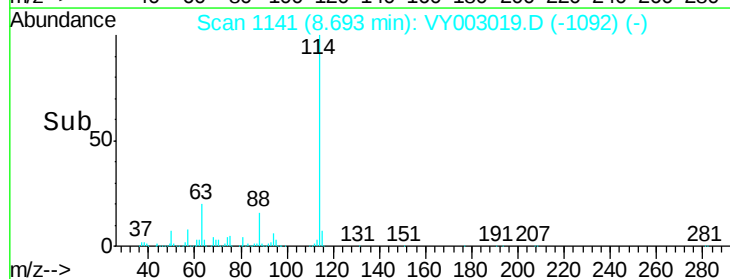
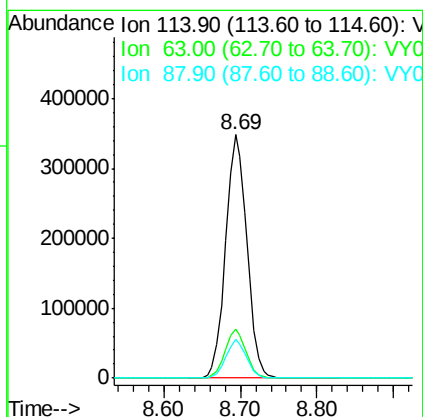
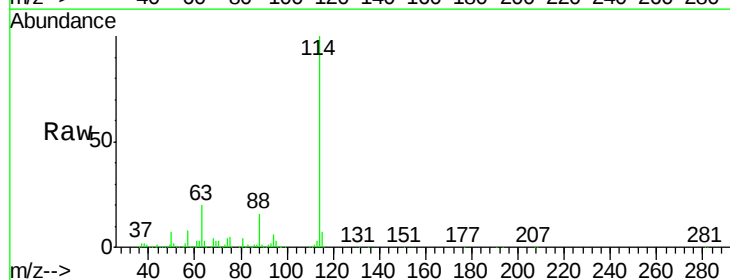
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP1-A

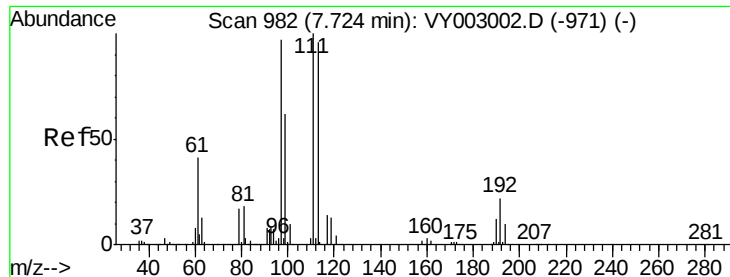
Tot Ion: 65 Resp: 235016
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003019.D
 Acq: 29 Jun 2020 20:18

Tgt Ion: 114 Resp: 665880
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.6
 88 15.7 0.0 30.0

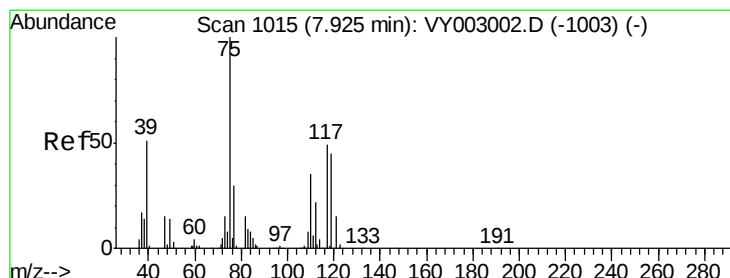
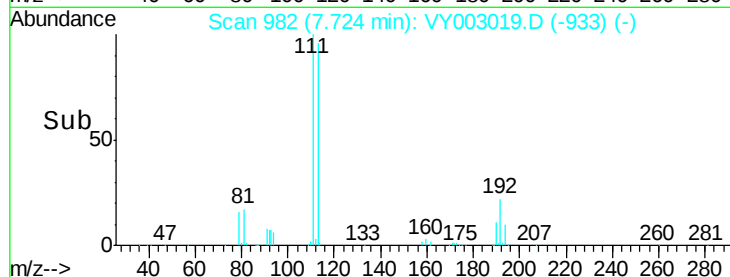
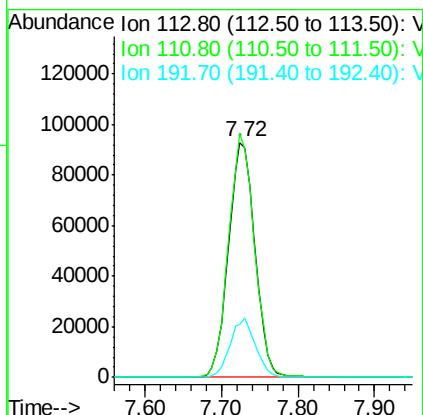
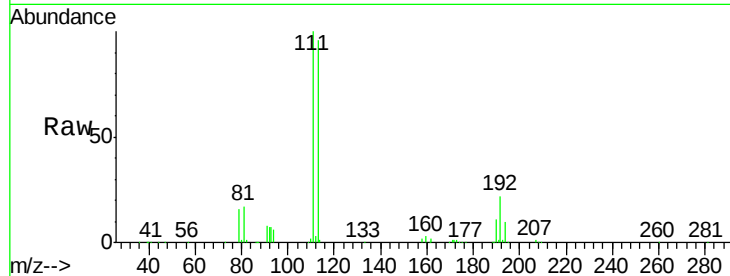




#35
 Dibromofluoromethane
 Concen: 53.516 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003019.D
 Acq: 29 Jun 2020 20:18

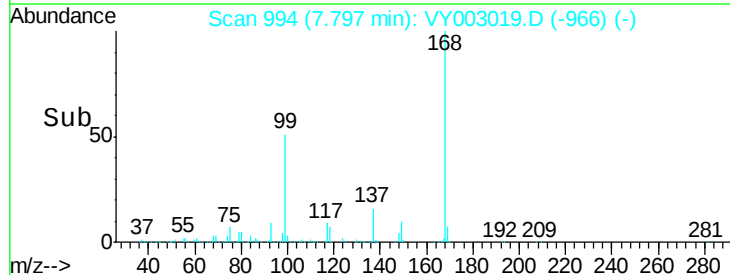
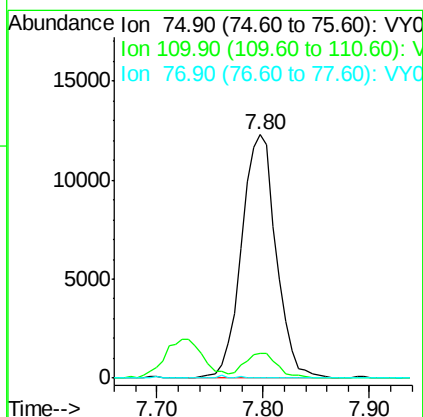
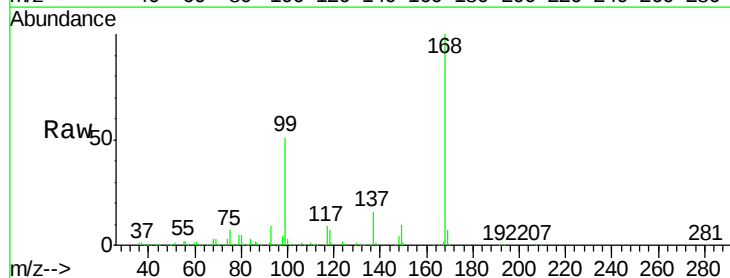
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP1-A

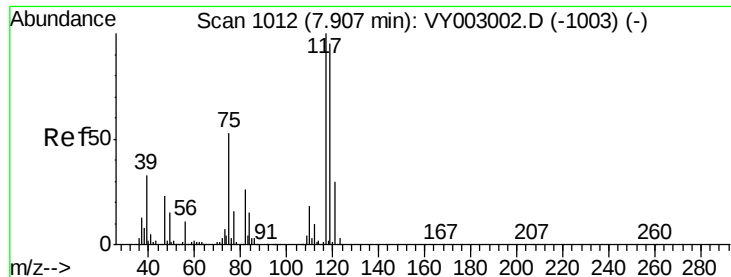
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.6	123.8
192	24.1	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.368 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003019.D
 Acq: 29 Jun 2020 20:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.1	51.2#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.554 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

Instrument :

MSVOA_Y

ClientSampleId :

SP1-A

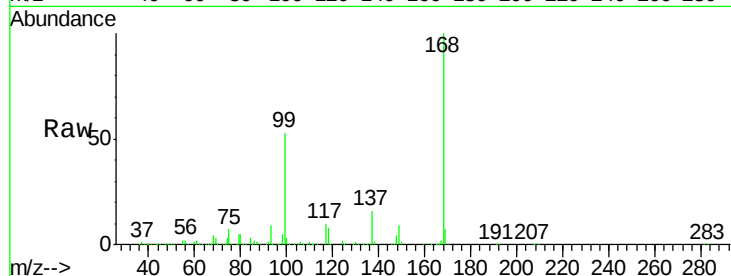
Tot Ion:117 Resp: 37064

Ion Ratio Lower Upper

117 100

119 5.2 75.7 113.5#

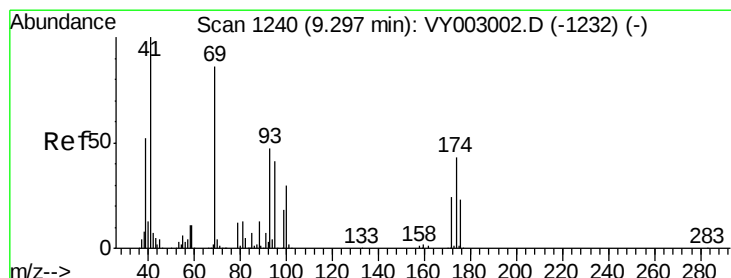
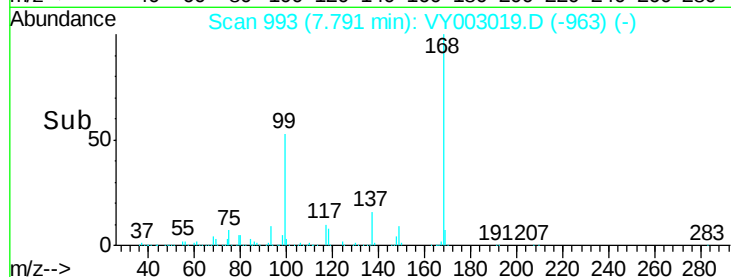
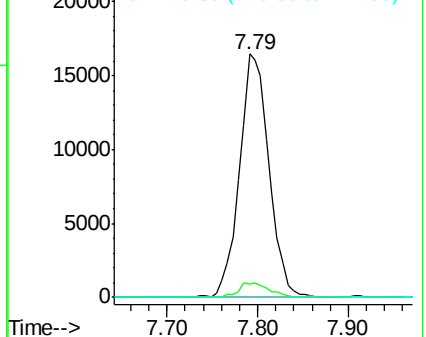
121 0.0 23.9 35.9#



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



#49

1,4-Dioxane

Concen: 1.521 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

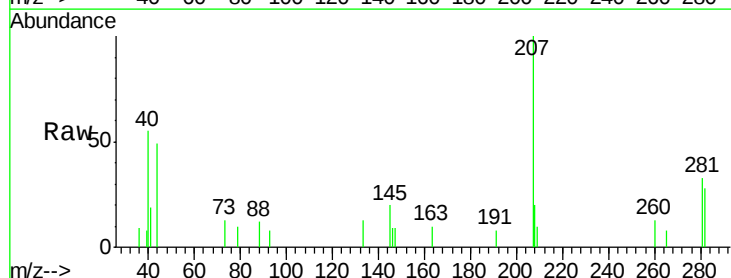
Tgt Ion: 88 Resp: 49

Ion Ratio Lower Upper

88 100

43 93.9 28.6 42.8#

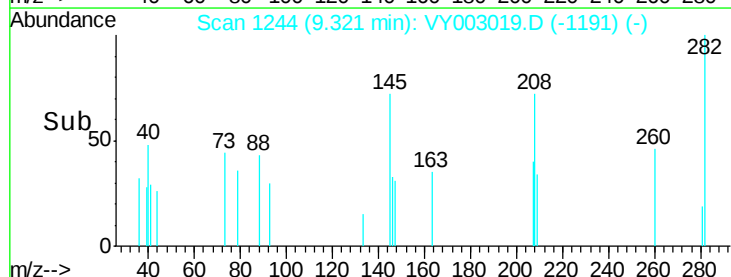
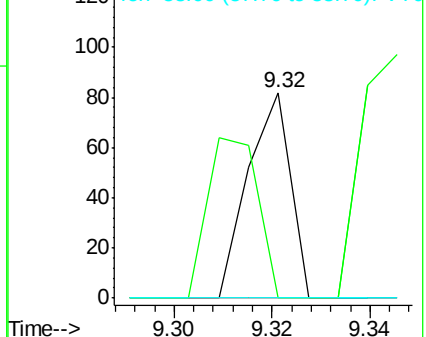
58 0.0 56.7 85.1#

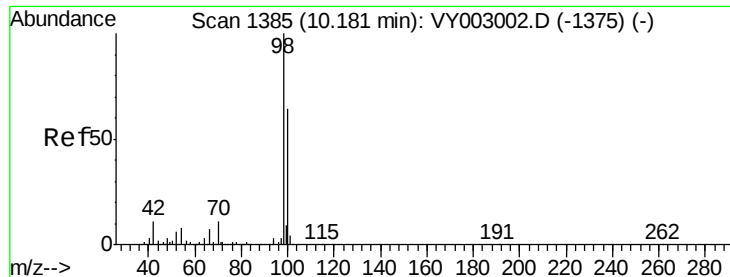


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.358 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

Instrument :

MSVOA_Y

ClientSampleId :

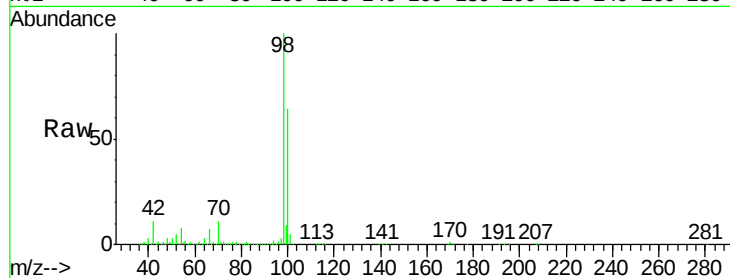
SP1-A

Tot Ion: 98 Resp: 794773

Ion Ratio Lower Upper

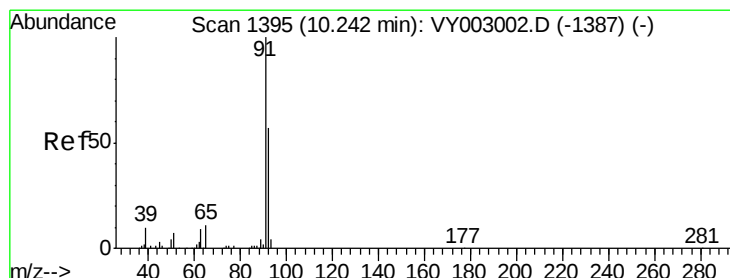
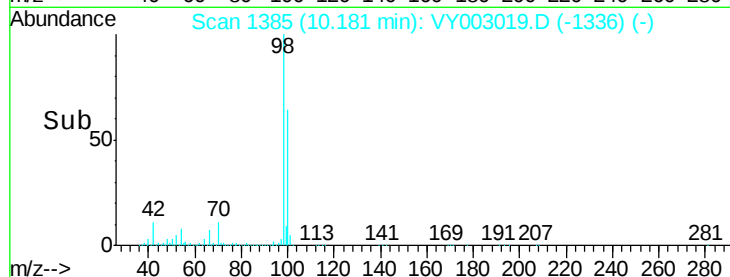
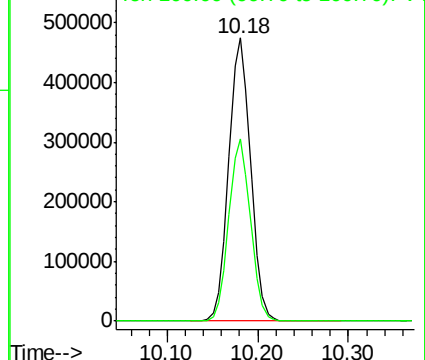
98 100

100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#52

Toluene

Concen: 5.884 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003019.D

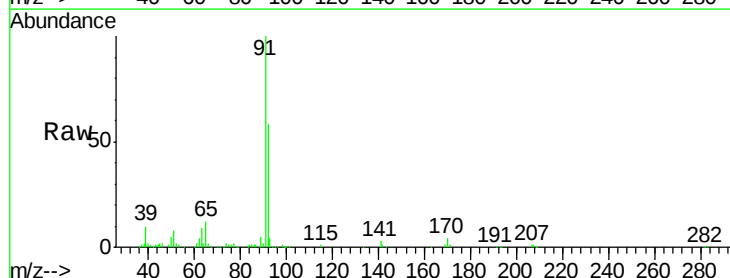
Acq: 29 Jun 2020 20:18

Tgt Ion: 92 Resp: 65038

Ion Ratio Lower Upper

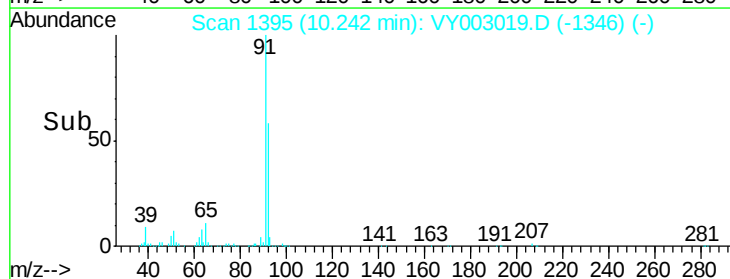
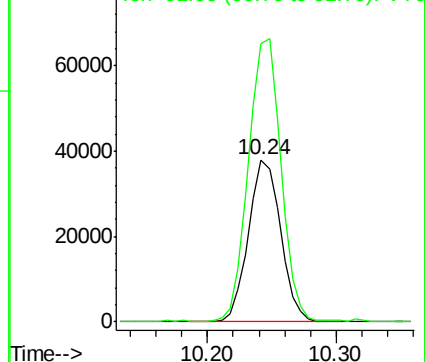
92 100

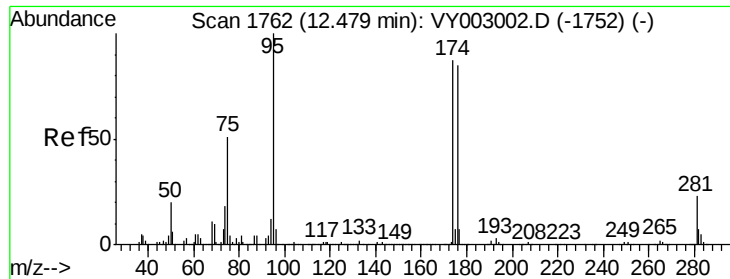
91 177.4 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#62

4-Bromofluorobenzene

Concen: 49.464 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

Instrument :

MSVOA_Y

ClientSampleId :

SP1-A

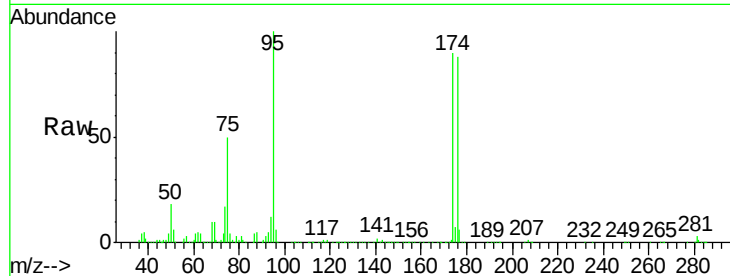
Tot Ion: 95 Resp: 269442

Ion Ratio Lower Upper

95 100

174 94.8 0.0 184.8

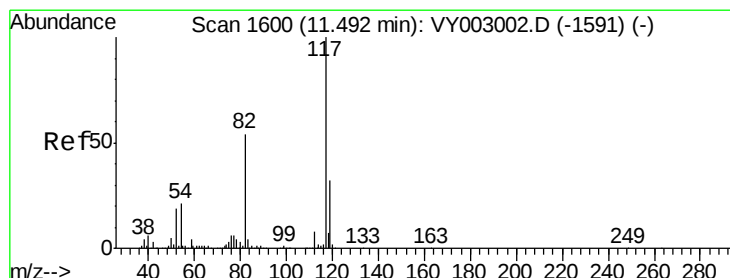
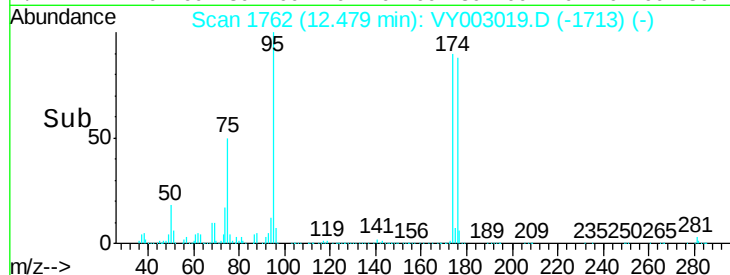
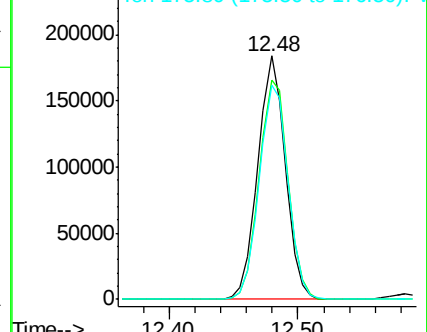
176 92.1 0.0 183.0



Abundance Ion 94.90 (94.60 to 95.60): VY003002.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY003002.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY003002.D (-1752) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

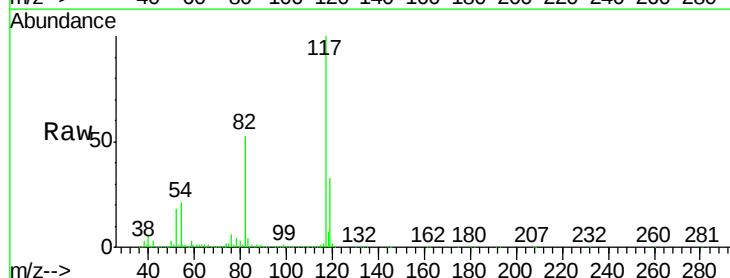
Tgt Ion: 117 Resp: 611684

Ion Ratio Lower Upper

117 100

82 53.4 43.0 64.6

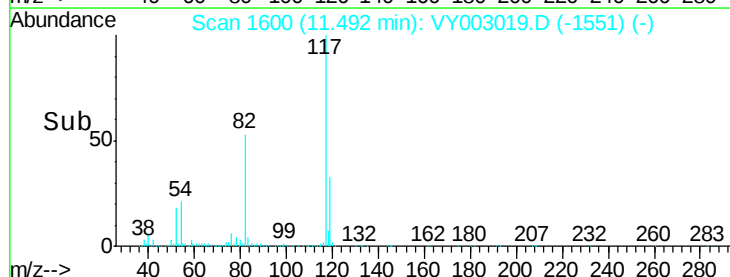
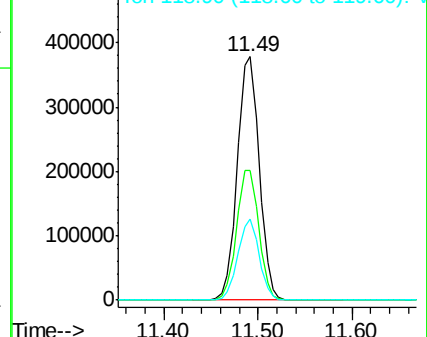
119 33.3 25.8 38.8

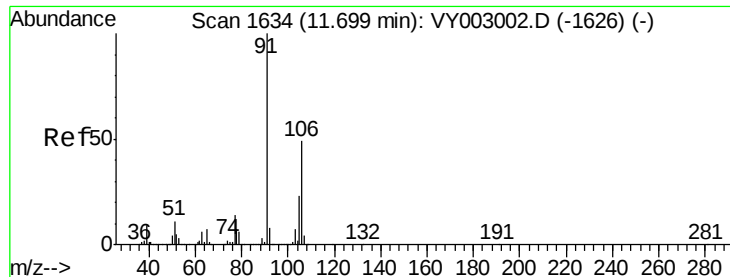


Abundance Ion 116.90 (116.60 to 117.60): VY003002.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003002.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003002.D (-1591) (-)

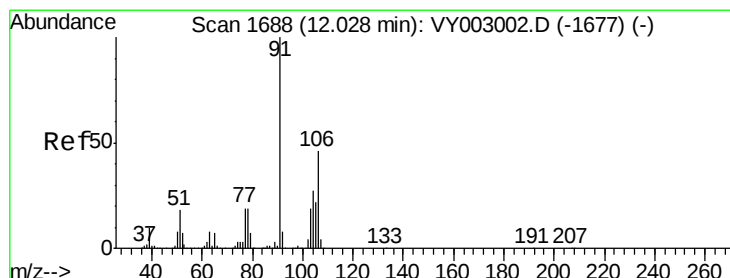
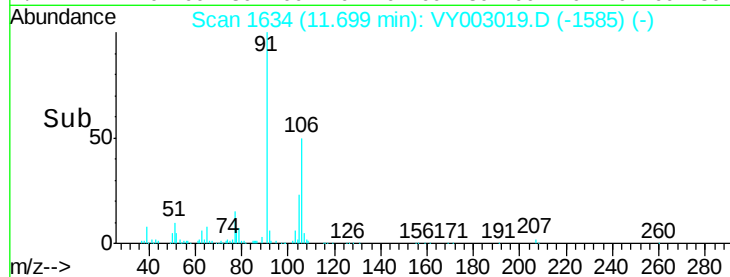
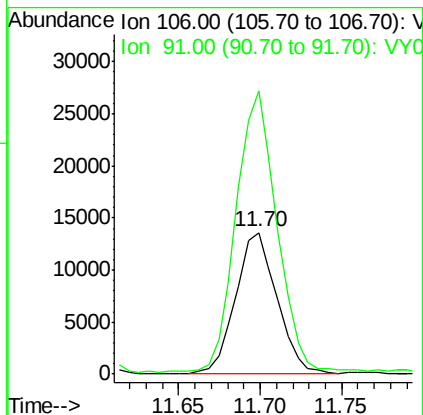
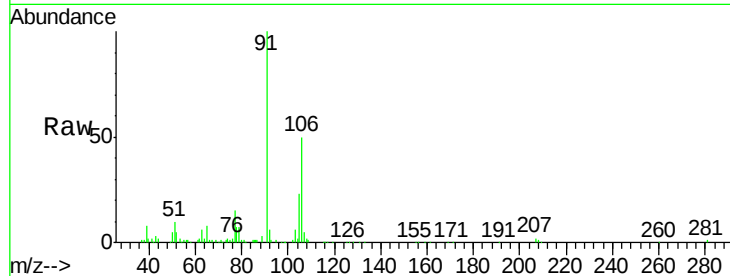




#68
m/p-Xvlenes
Concen: 2.932 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

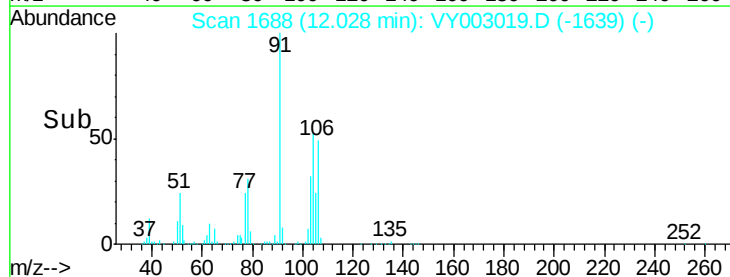
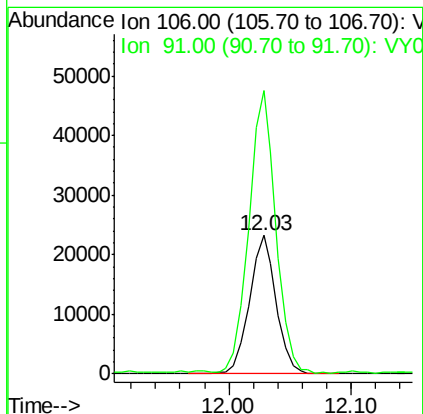
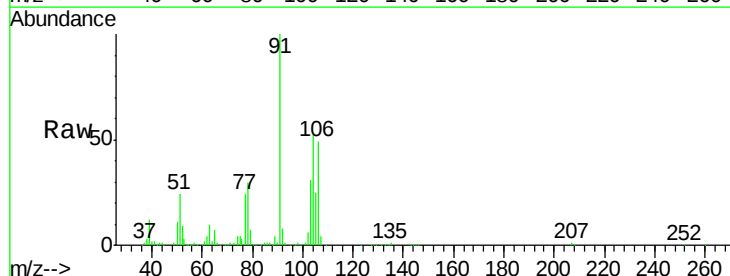
Instrument :
MSVOA_Y
ClientSampleId :
SP1-A

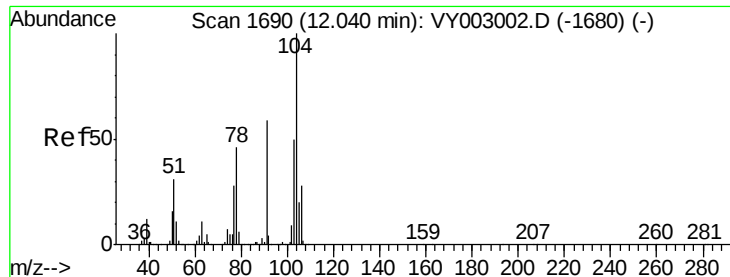
Tot Ion:106 Resp: 24079
Ion Ratio Lower Upper
106 100
91 194.9 161.9 242.9



#69
o-Xylene
Concen: 4.553 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

Tgt Ion:106 Resp: 35231
Ion Ratio Lower Upper
106 100
91 206.6 107.9 323.8

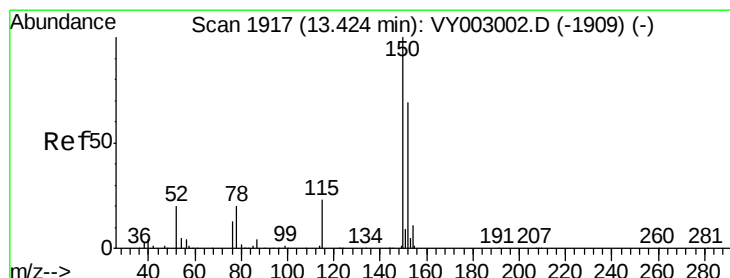
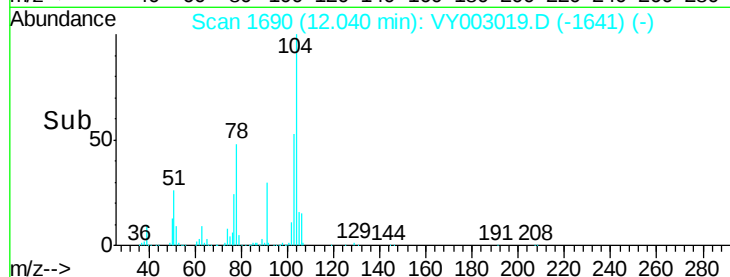
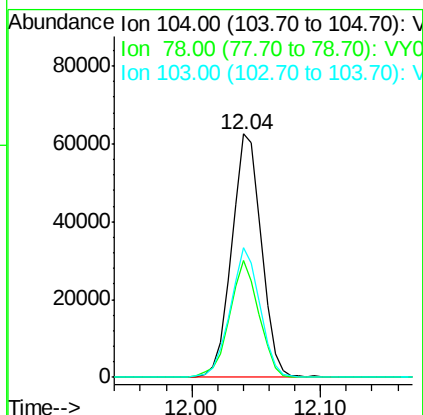
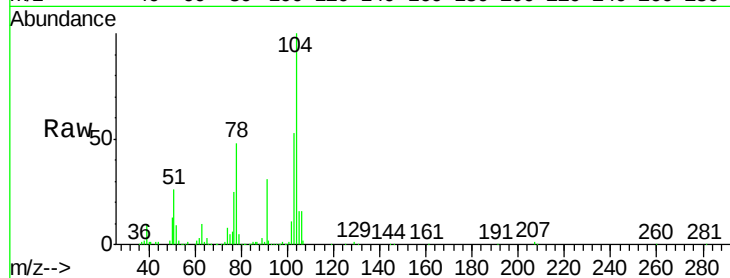




#70
Stvrene
Concen: 7.582 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

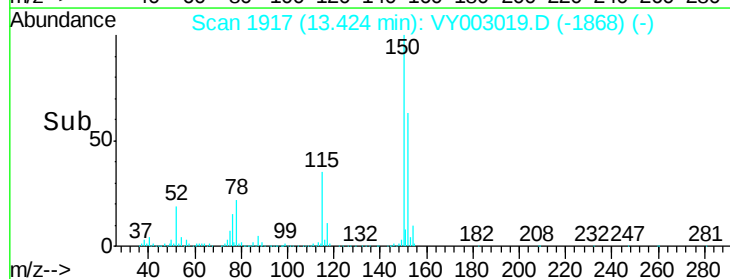
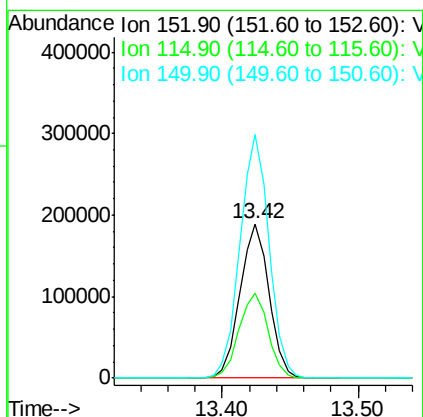
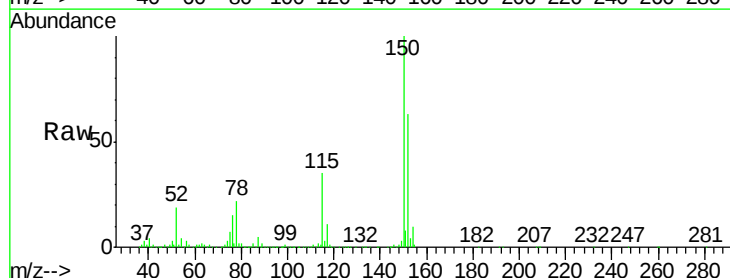
Instrument :
MSVOA_Y
ClientSampleId :
SP1-A

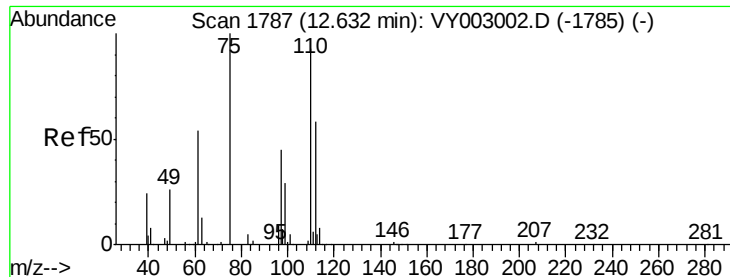
Tot Ion	Ratio	Lower	Upper
104	100		
78	47.7	40.4	60.6
103	53.4	44.1	66.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.3	81.9
150	157.6	0.0	343.4

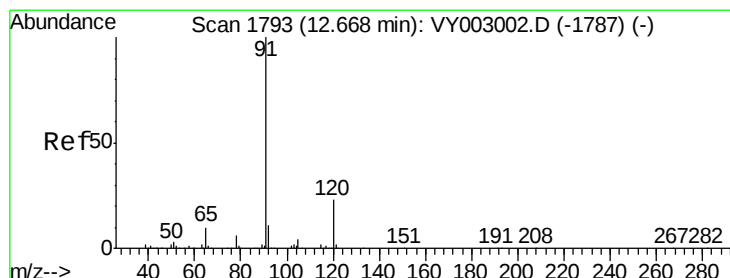
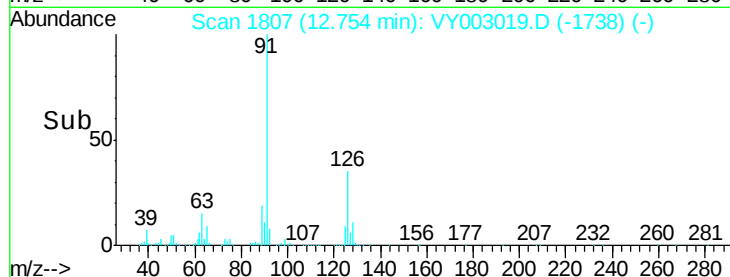
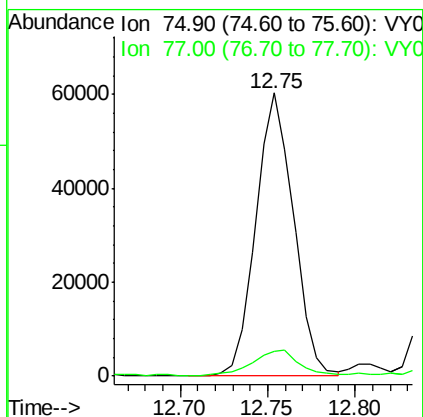
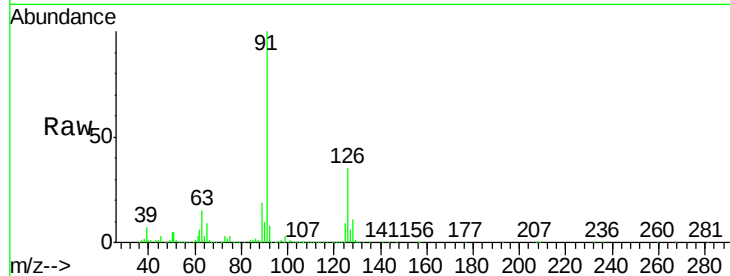




#76
 1,2,3-Trichloropropane
 Concen: 32.182 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.12 min
 Lab File: VY003019.D
 Acq: 29 Jun 2020 20:18

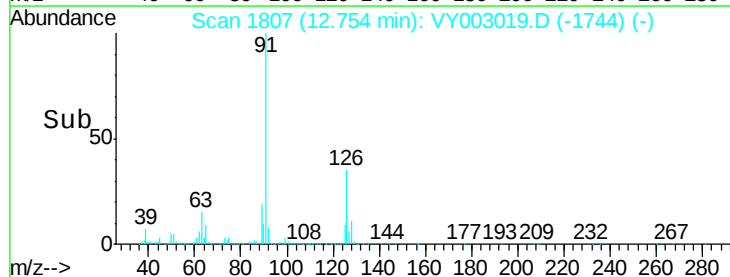
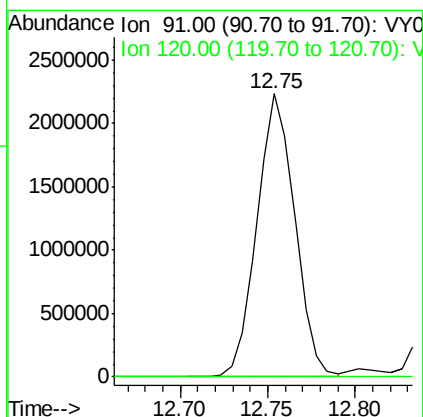
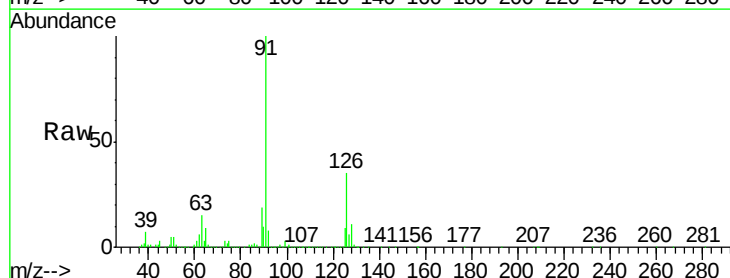
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP1-A

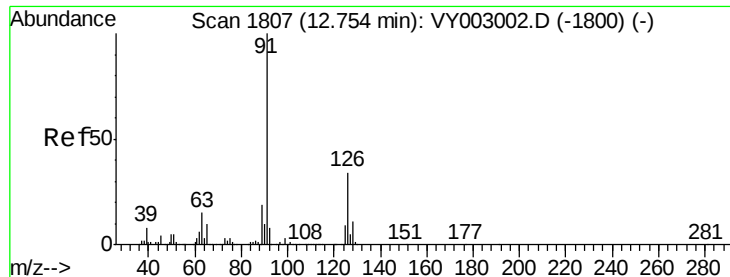
Tot Ion: 75 Resp: 89815
 Ion Ratio Lower Upper
 75 100
 77 10.5 0.0 0.0#



#78
 n-propylbenzene
 Concen: 151.053 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.09 min
 Lab File: VY003019.D
 Acq: 29 Jun 2020 20:18

Tgt Ion: 91 Resp: 3352582
 Ion Ratio Lower Upper
 91 100
 120 0.1 11.5 34.5#

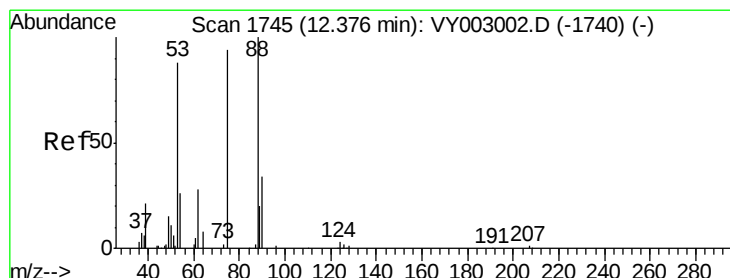
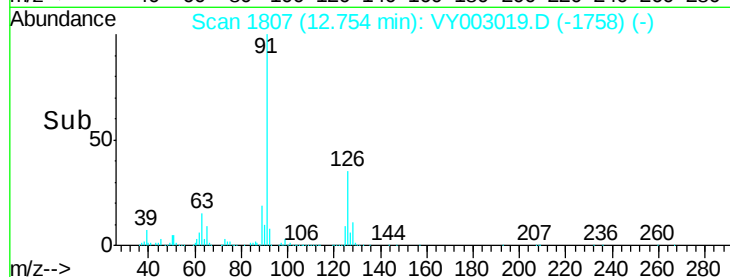
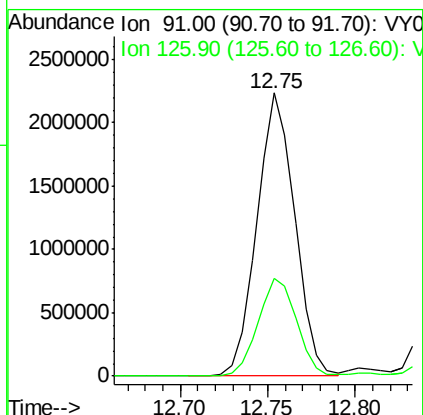
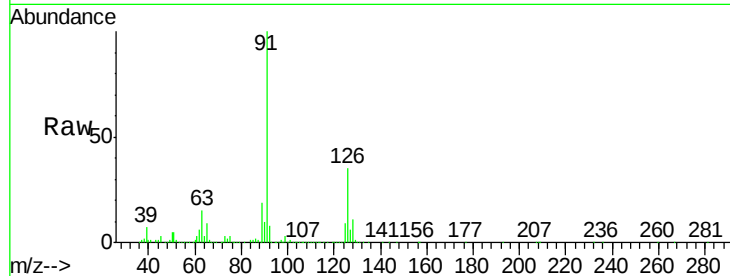




#79
2-Chlorotoluene
Concen: 270.618 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

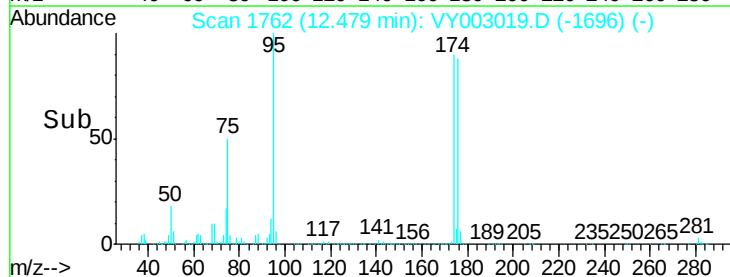
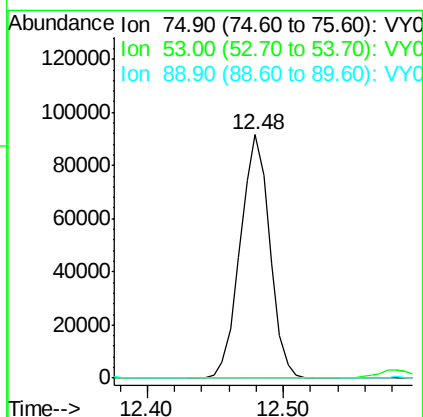
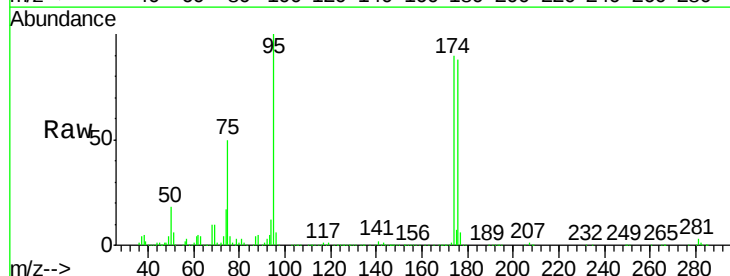
Instrument :
MSVOA_Y
ClientSampleId :
SP1-A

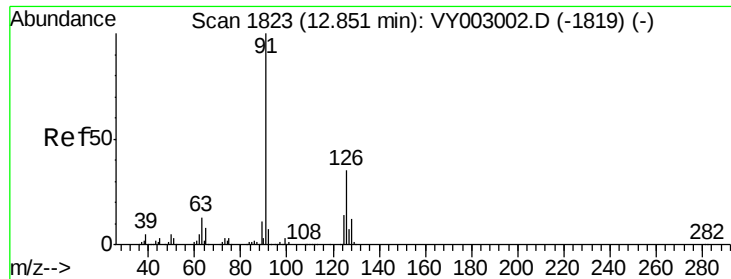
Tot Ion: 91 Resp: 3352582
Ion Ratio Lower Upper
91 100
126 35.2 17.1 51.3



#81
trans-1,4-Dichloro-2-butene
Concen: 96.520 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

Tgt Ion: 75 Resp: 138452
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.3 37.5 56.3#





#82

4-Chlorotoluene

Concen: 216.149 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

Instrument :

MSVOA_Y

ClientSampleId :

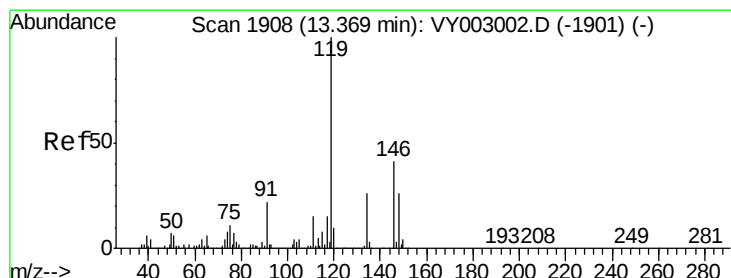
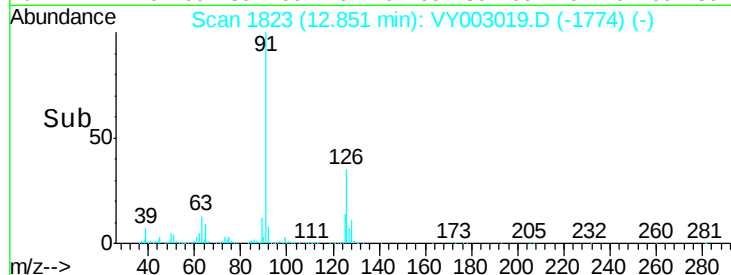
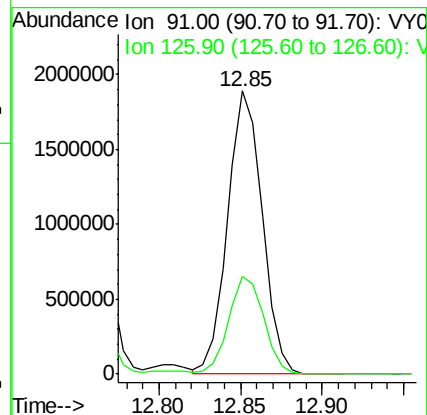
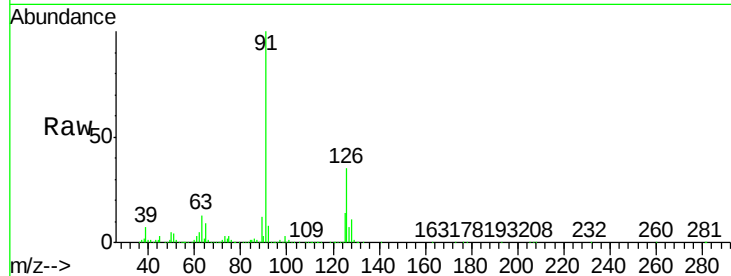
SP1-A

Tot Ion: 91 Resp: 2787998

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.3



#86

p-Isopropyltoluene

Concen: 1.081 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

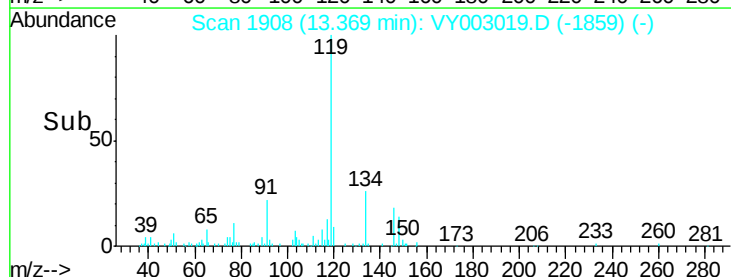
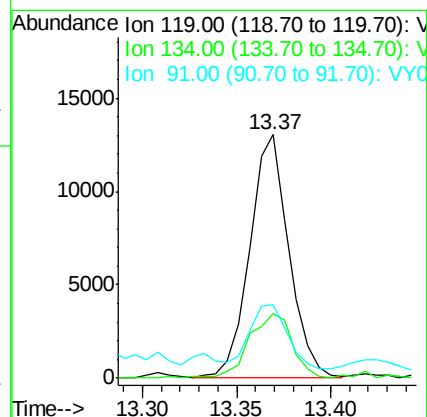
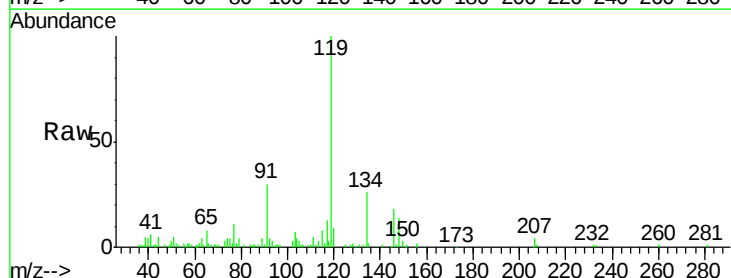
Tgt Ion: 119 Resp: 18775

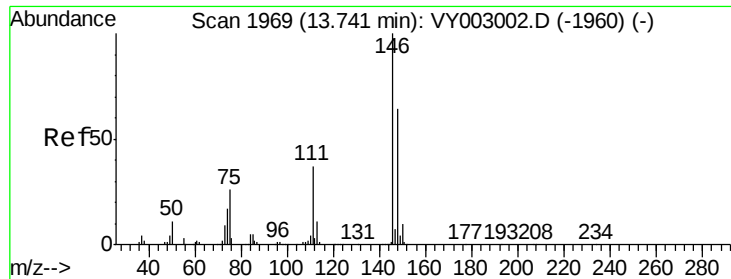
Ion Ratio Lower Upper

119 100

134 29.0 13.5 40.4

91 25.2 11.5 34.5





#91

1,2-Dichlorobenzene

Concen: 1.288 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

Instrument :

MSVOA_Y

ClientSampleId :

SP1-A

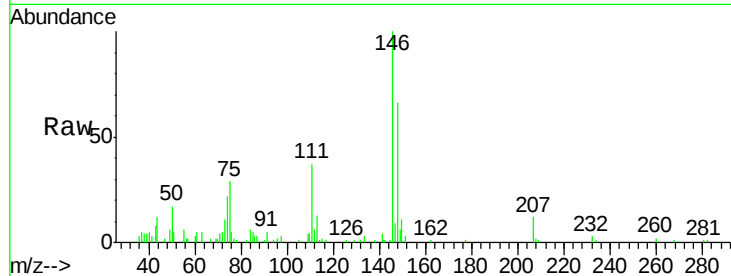
Tot Ion:146 Resp: 10211

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.5

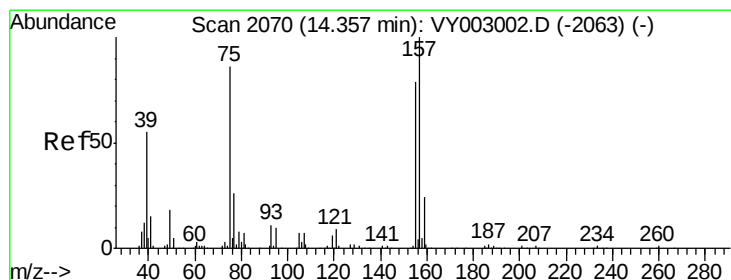
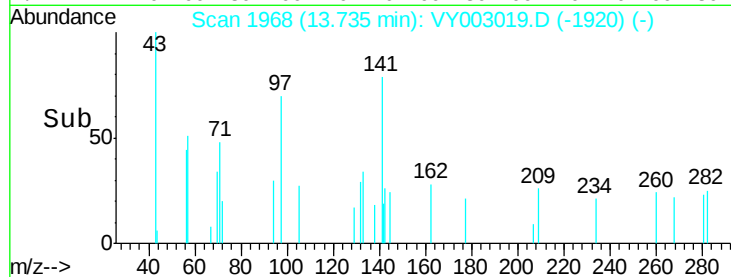
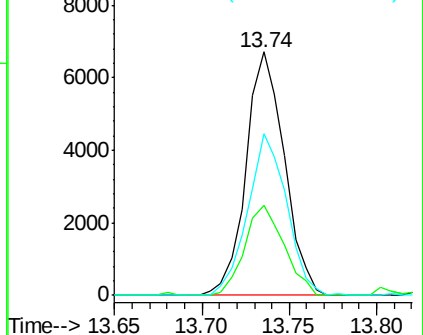
148 67.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 284.744 ug/l

RT: 14.46 min Scan# 2087

Delta R.T. 0.10 min

Lab File: VY003019.D

Acq: 29 Jun 2020 20:18

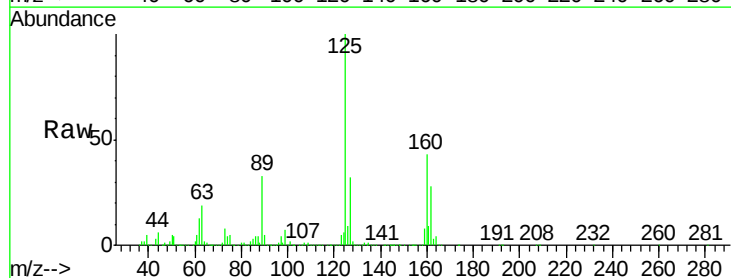
Tgt Ion: 75 Resp: 187728

Ion Ratio Lower Upper

75 100

155 0.5 46.5 139.3#

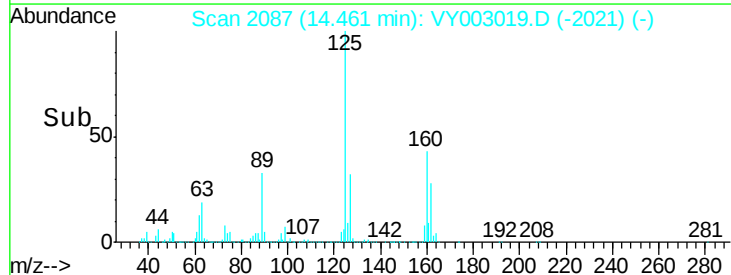
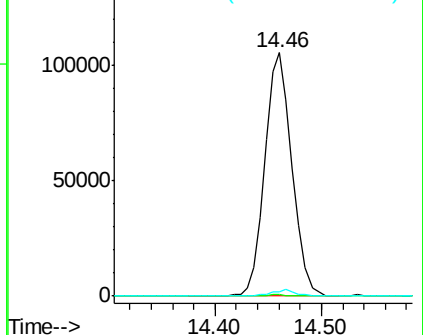
157 2.3 59.2 177.5#

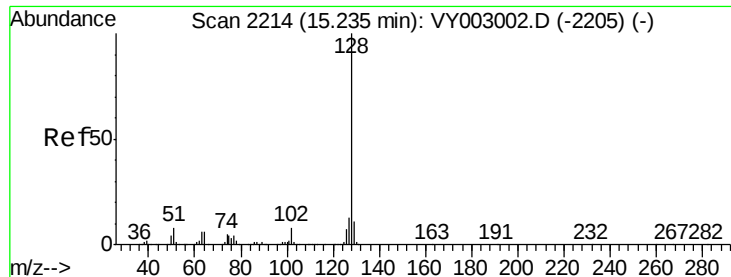


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

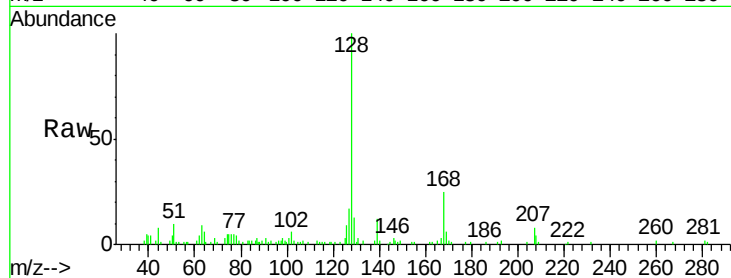




#95
Naphthalene
Concen: 1.795 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY003019.D
Acq: 29 Jun 2020 20:18

Instrument :
MSVOA_Y
ClientSampleId :
SP1-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.2	10.8	16.2#
129	15.6	8.8	13.2#



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

