

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120920\NOT REVIEWED DATA\
 Data File : VY003705.D
 Acq On : 09 Dec 2020 16:56
 Operator : SY/MD
 Sample : L4979-09
 Misc : 6.19G/10ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F9

Quant Time: Dec 10 12:05:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 09:06:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	192920	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	183711	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	81667	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	51524	18.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.56%
7) Chloroethane-d5	2.77	69	43773	21.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.08%
10) 1,1-Dichloroethene-d2	3.86	63	83170	16.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.80%
20) 2-Butanone-d5	6.90	46	49353	50.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.48%
24) Chloroform-d	7.49	84	115198	23.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	8.15	65	67510	24.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.68%
29) Benzene-d6	8.12	84	246229	23.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.60%
33) 1,2-Dichloropropane-d6	9.12	67	74478	23.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.64%
37) Toluene-d8	10.18	98	224784	23.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.32%
38) trans-1,3-Dichloropropene-	10.44	79	35843	23.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.32%
39) 2-Hexanone-d5	10.79	63	40809	51.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.50%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	74886	26.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.80%
61) 1,2-Dichlorobenzene-d4	13.72	152	76437	25.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.04%

Target Compounds

					Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	3.86	101	741	0.303 ug/L #	17
13) Acetone	3.97	43	5009	7.026 ug/L	95
16) Methylene chloride	4.73	84	7499	2.214 ug/L	91
21) 2-Butanone	7.00	43	1203	0.956 ug/L #	57
27) 1,2-Dichloroethane	8.12	62	1422	0.476 ug/L #	73
34) Benzene	8.17	78	4121	0.392 ug/L	100
35) Trichloroethene	8.70	95	5581	1.934 ug/L #	2
40) 1,2-Dichloropropane	9.13	63	8190	3.107 ug/L #	86
42) cis-1,3-Dichloropropene	9.89	75	2426	0.585 ug/L #	71
44) Toluene	10.25	91	14908	1.345 ug/L	94
53) Ethylbenzene	11.59	91	14193	1.173 ug/L	96
54) m,p-Xylene	11.70	106	1637	0.351 ug/L	87
58) 1,1,2,2-Tetrachloroethane	12.56	83	437	0.179 ug/L #	1
59) 1,2,3-Trichloropropane	13.42	75	9728	4.466 ug/L	98
69) Naphthalene	15.23	128	1029	0.167 ug/L #	96

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Quant Title : VOC Analysis
QLast Update : Thu Dec 10 09:06:34 2020
Response via : Initial Calibration

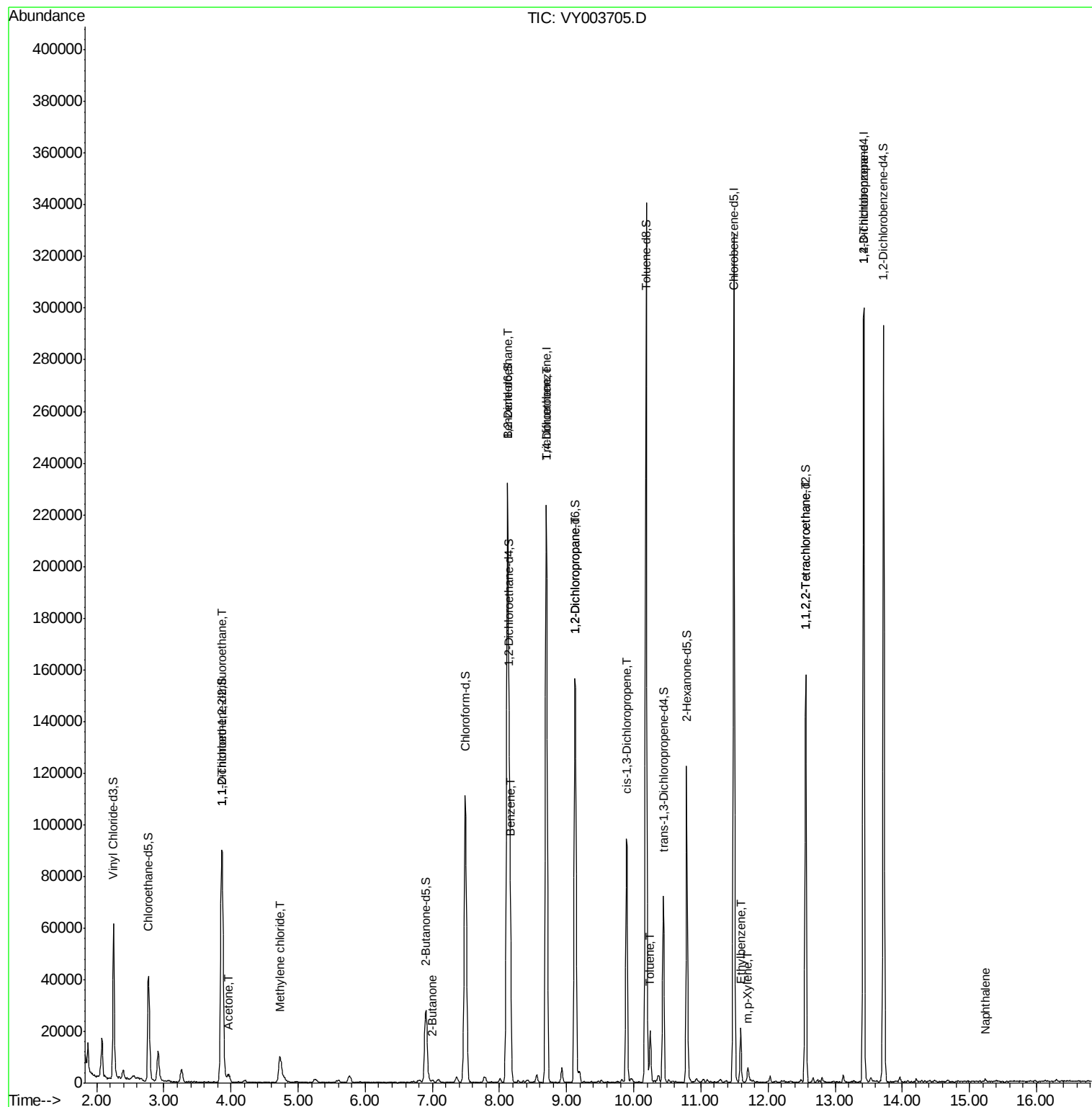
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

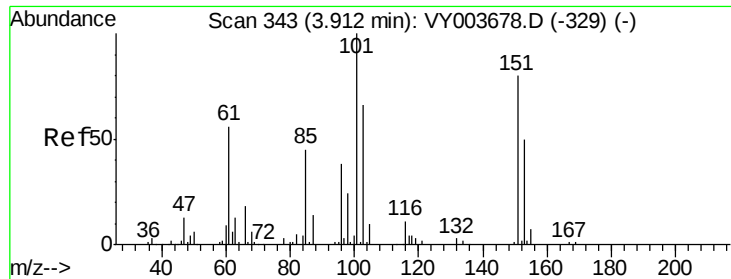
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY120920\NOT REVIEWED DATA\
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#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.303 ug/L

RT: 3.86 min Scan# 335

Delta R.T. -0.05 min

Lab File: VY003705.D

Acq: 09 Dec 2020 16:56

Instrument :

MSVOA_Y

ClientSampled :

GB1F9

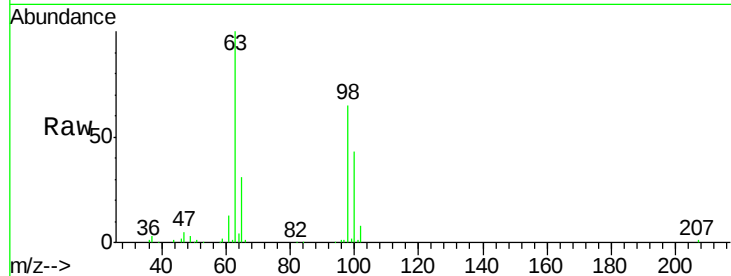
Tgt Ion: 101 Resp: 741

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

151 0.0 65.0 97.4#

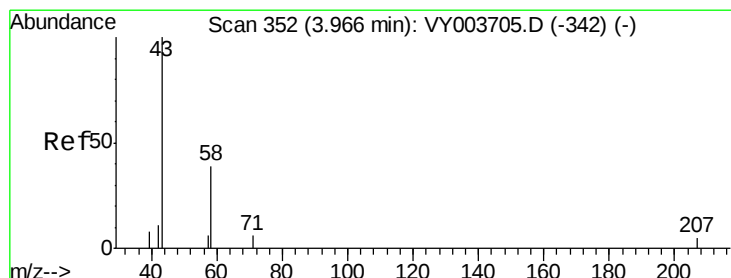
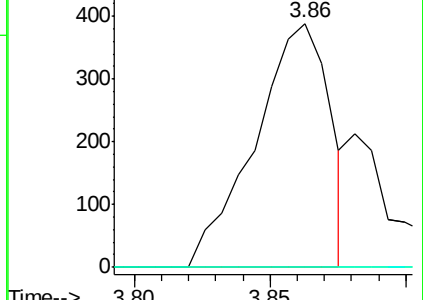
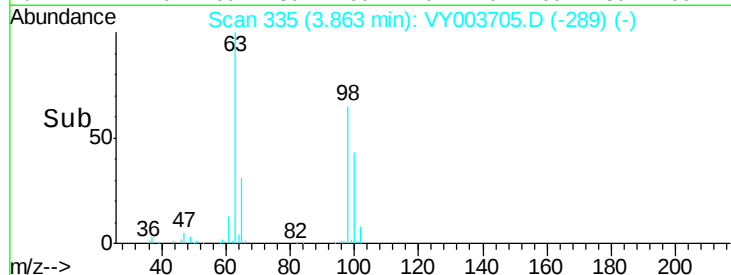


Abundance Ion 101.00 (100.70 to 101.70): VY003678.D (-329) (-)

Ion 85.00 (84.70 to 85.70): VY003678.D (-329) (-)

Ion 151.00 (150.70 to 151.70): VY003678.D (-329) (-)

Time-->



#13

Acetone

Concen: 7.026 ug/L

RT: 3.97 min Scan# 352

Delta R.T. 0.00 min

Lab File: VY003705.D

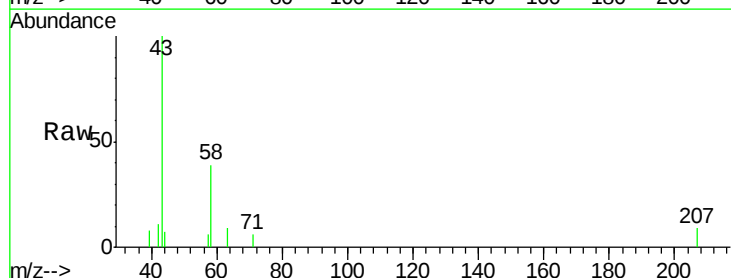
Acq: 09 Dec 2020 16:56

Tgt Ion: 43 Resp: 5009

Ion Ratio Lower Upper

43 100

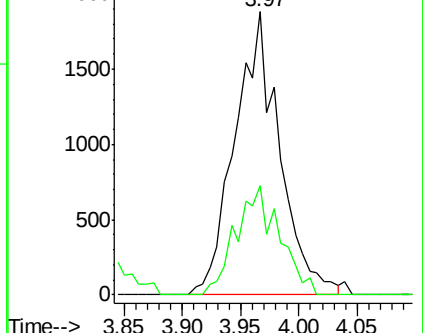
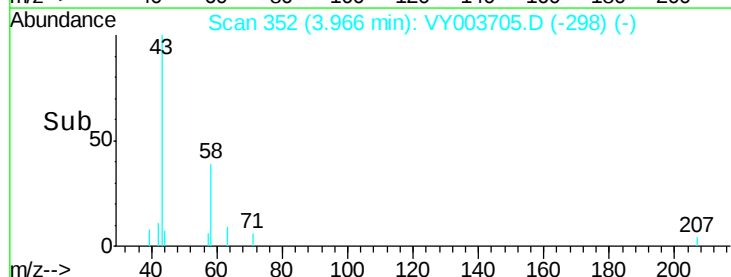
58 37.5 0.0 68.8

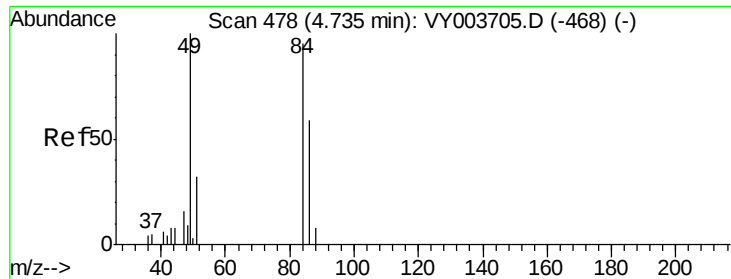


Abundance Ion 43.00 (42.70 to 43.70): VY003705.D (-342) (-)

Ion 58.00 (57.70 to 58.70): VY003705.D (-342) (-)

Time-->

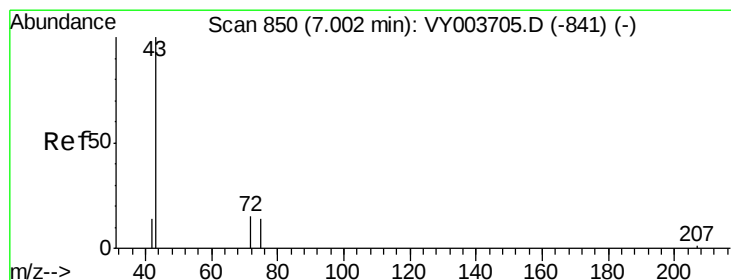
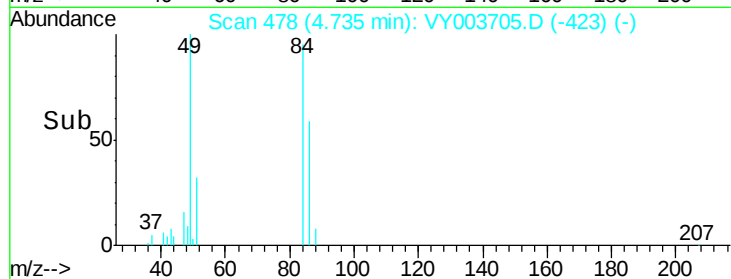
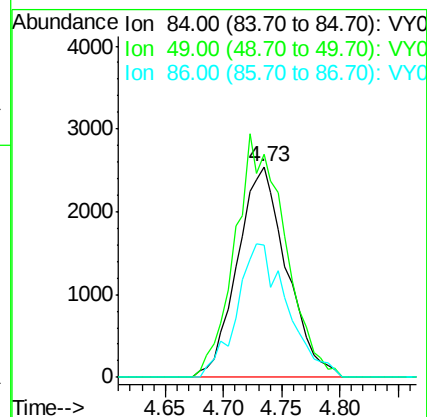
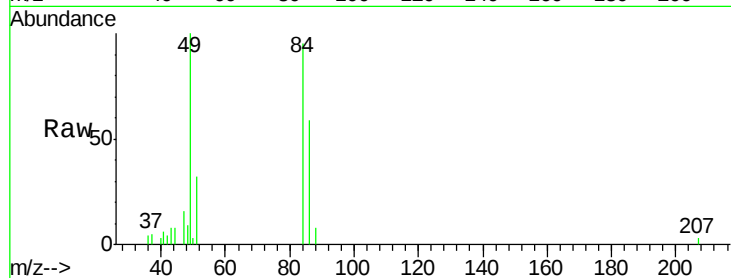




#16
Methylene chloride
Concen: 2.214 ug/L
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VY003705.D
Acq: 09 Dec 2020 16:56

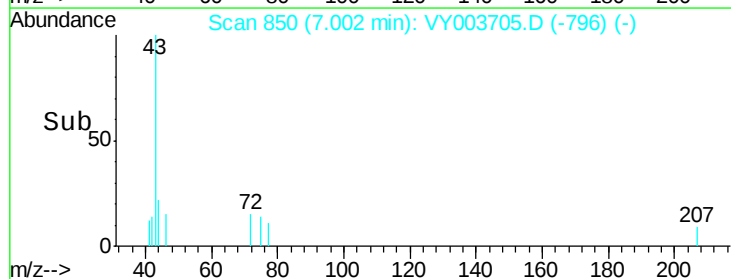
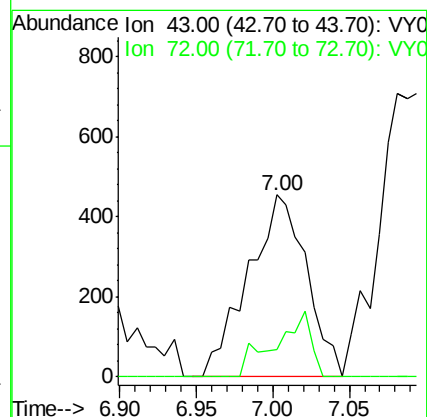
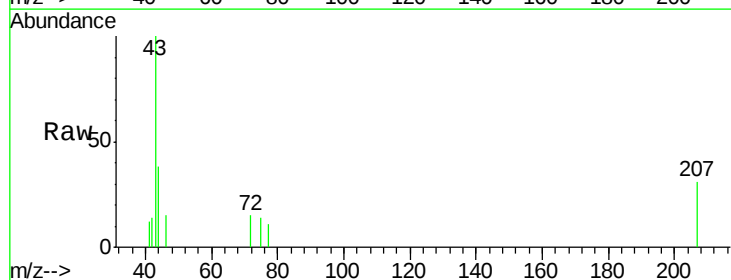
Instrument :
MSVOA_Y
ClientSampleId :
GB1F9

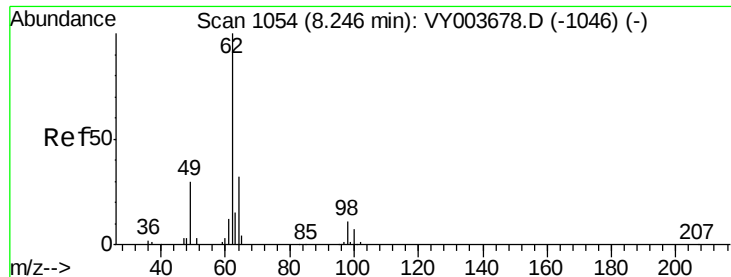
Tgt Ion: 84 Resp: 7499
Ion Ratio Lower Upper
84 100
49 105.7 83.7 155.4
86 62.5 45.0 83.6



#21
2-Butanone
Concen: 0.956 ug/L
RT: 7.00 min Scan# 850
Delta R.T. 0.00 min
Lab File: VY003705.D
Acq: 09 Dec 2020 16:56

Tgt Ion: 43 Resp: 1203
Ion Ratio Lower Upper
43 100
72 4.4 13.3 39.9#

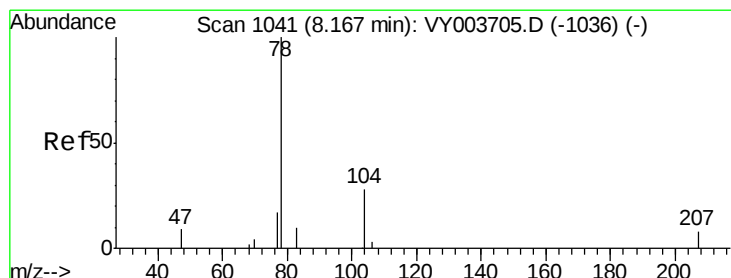
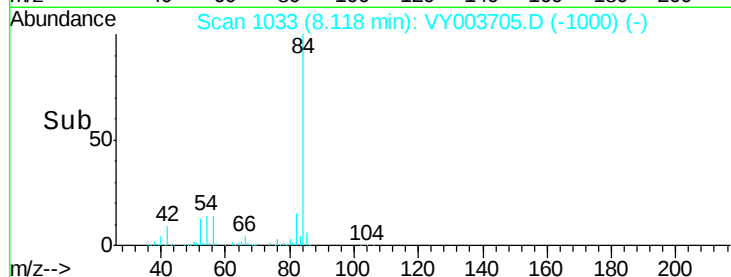
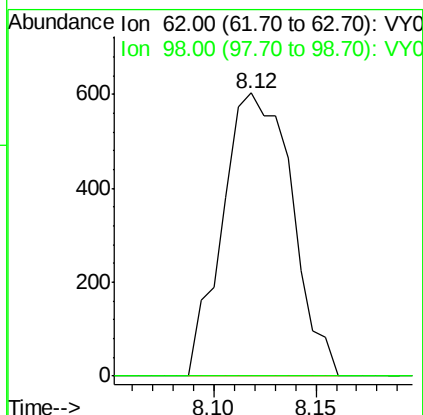
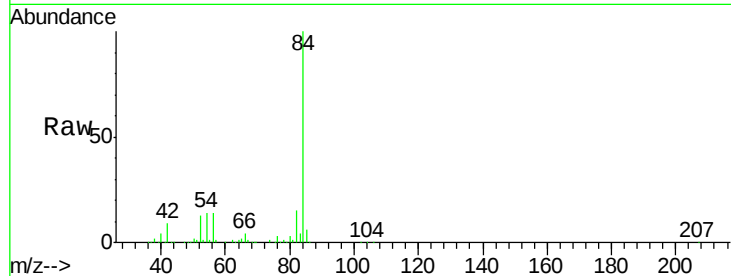




#27
 1,2-Dichloroethane
 Concen: 0.476 ug/L
 RT: 8.12 min Scan# 1033
 Delta R.T. -0.13 min
 Lab File: VY003705.D
 Acq: 09 Dec 2020 16:56

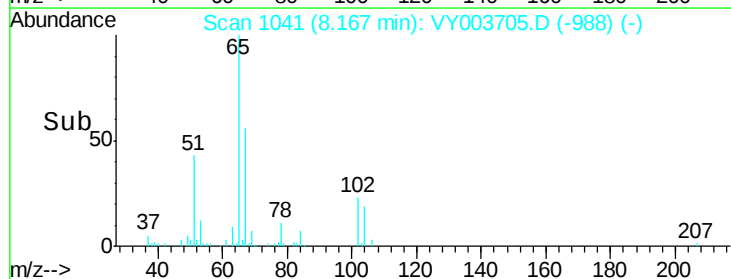
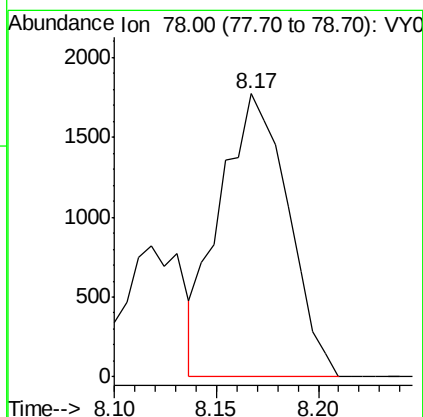
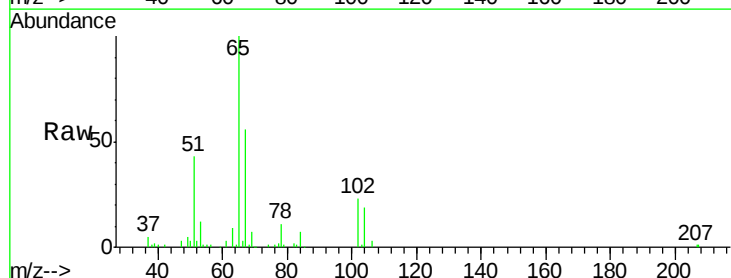
Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F9

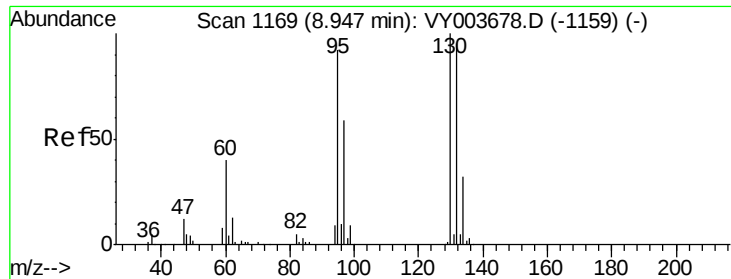
Tgt Ion: 62 Resp: 1422
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.0 12.0#



#34
 Benzene
 Concen: 0.392 ug/L
 RT: 8.17 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: VY003705.D
 Acq: 09 Dec 2020 16:56

Tgt Ion: 78 Resp: 4121





#35

Trichloroethene

Concen: 1.934 ug/L

RT: 8.70 min Scan# 1128

Delta R.T. -0.25 min

Lab File: VY003705.D

Acq: 09 Dec 2020 16:56

Instrument :

MSVOA_Y

ClientSampleId :

GB1F9

Tgt Ion: 95 Resp: 5581

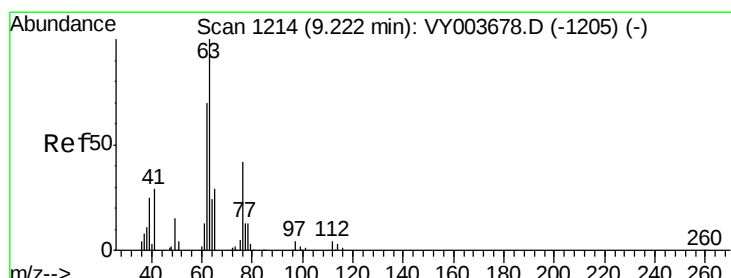
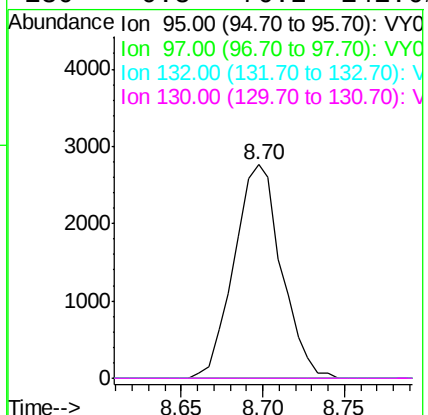
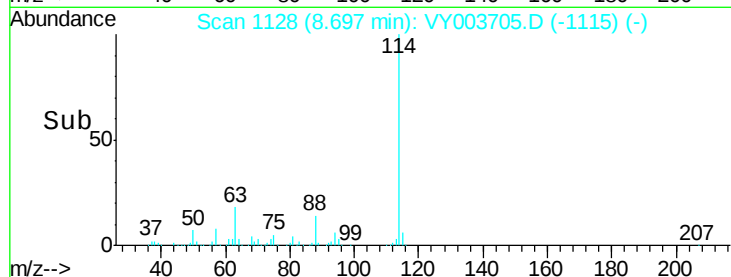
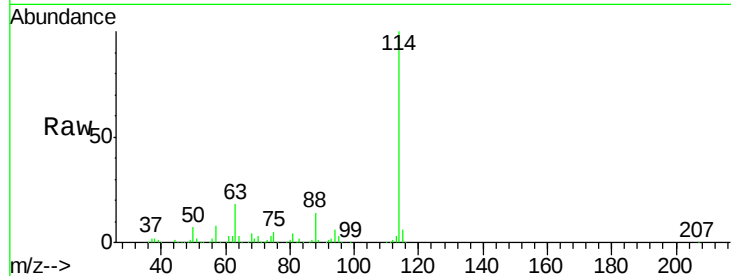
Ion Ratio Lower Upper

95 100

97 1.0 45.8 85.0#

132 0.0 74.2 137.8#

130 0.8 76.2 141.6#



#40

1,2-Dichloropropane

Concen: 3.107 ug/L

RT: 9.13 min Scan# 1199

Delta R.T. -0.09 min

Lab File: VY003705.D

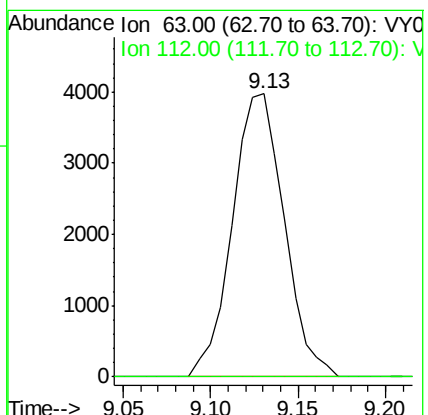
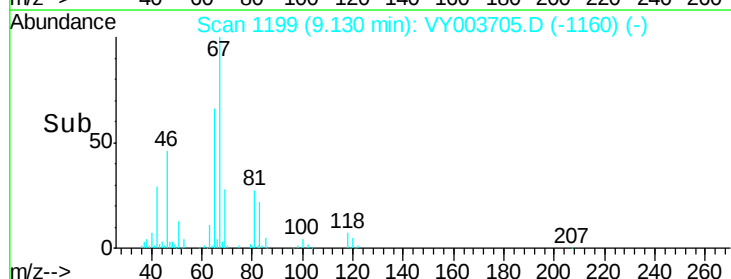
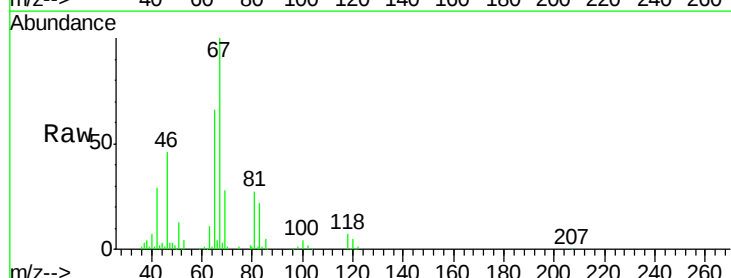
Acq: 09 Dec 2020 16:56

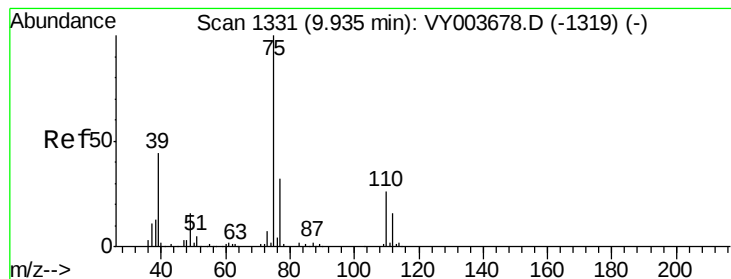
Tgt Ion: 63 Resp: 8190

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#





#42

cis-1,3-Dichloropropene

Concen: 0.585 ug/L

RT: 9.89 min Scan# 1324

Delta R.T. -0.04 min

Lab File: VY003705.D

Acq: 09 Dec 2020 16:56

Instrument :

MSVOA_Y

ClientSampleId :

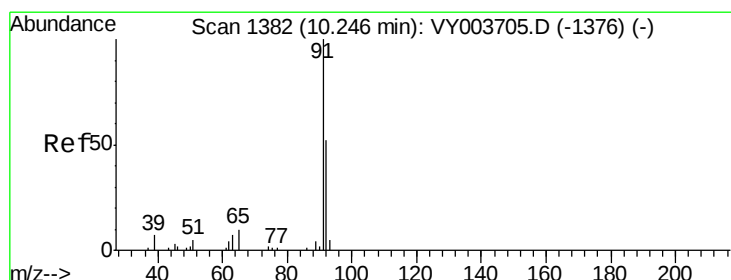
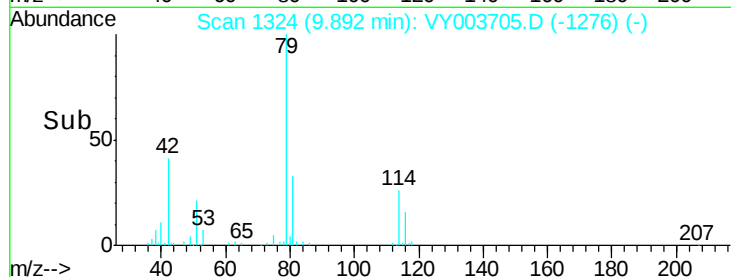
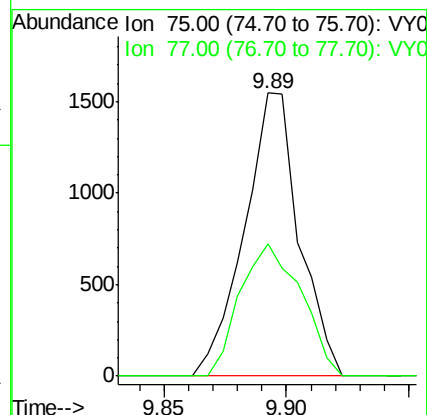
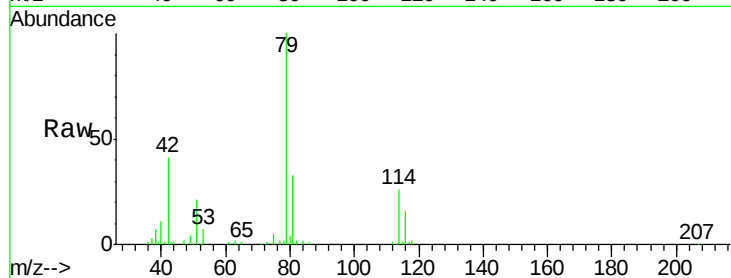
GB1F9

Tgt Ion: 75 Resp: 2426

Ion Ratio Lower Upper

75 100

77 46.5 21.3 39.6#



#44

Toluene

Concen: 1.345 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003705.D

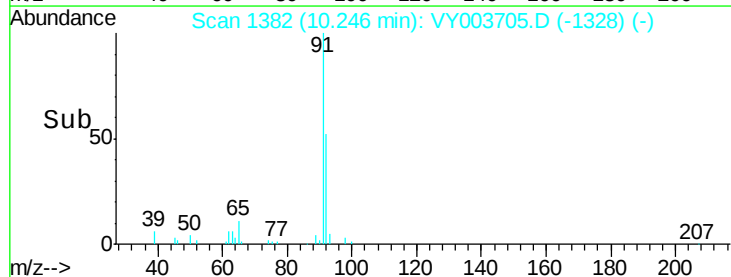
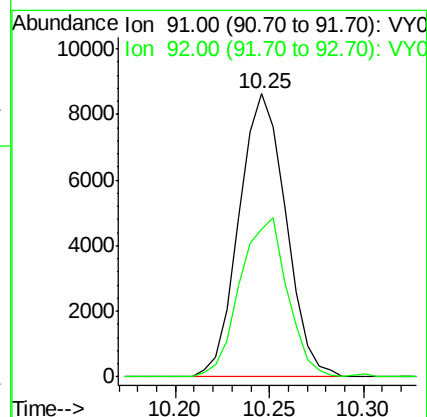
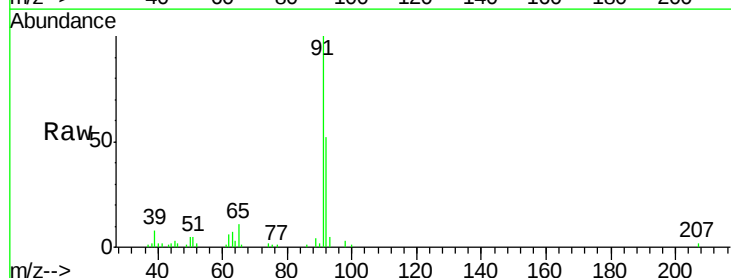
Acq: 09 Dec 2020 16:56

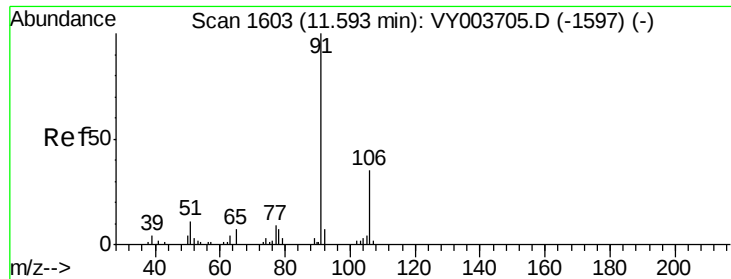
Tgt Ion: 91 Resp: 14908

Ion Ratio Lower Upper

91 100

92 52.1 39.8 73.8





#53

Ethylbenzene

Concen: 1.173 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003705.D

Acq: 09 Dec 2020 16:56

Instrument :

MSVOA_Y

ClientSampleId :

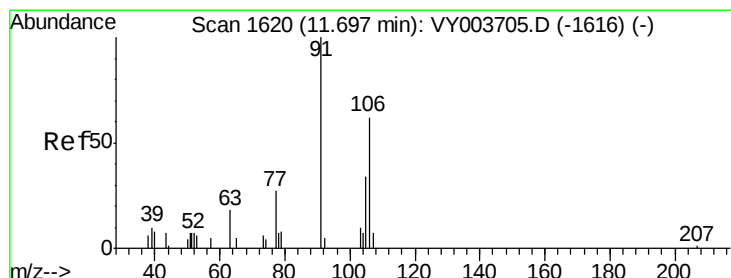
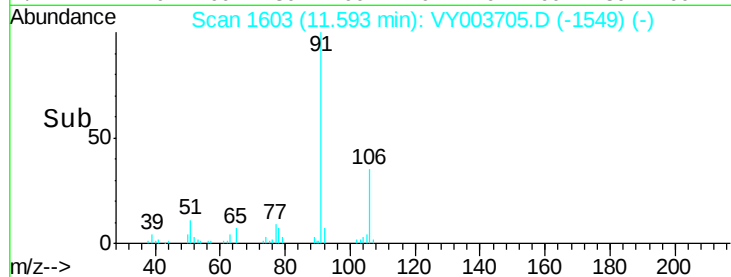
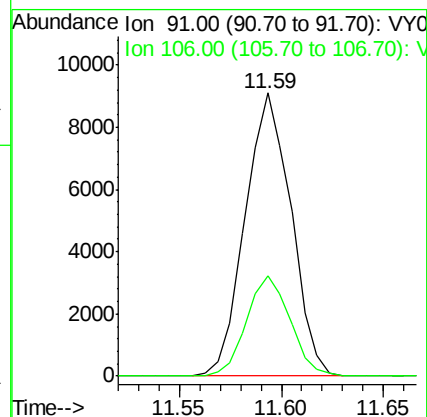
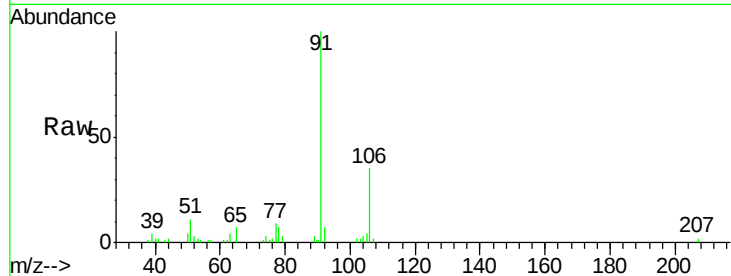
GB1F9

Tgt Ion: 91 Resp: 14193

Ion Ratio Lower Upper

91 100

106 35.4 23.3 43.3



#54

m,p-Xylene

Concen: 0.351 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003705.D

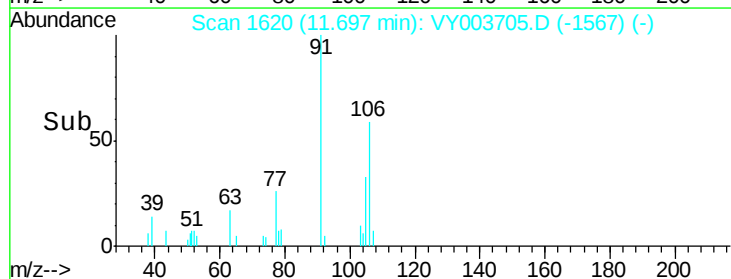
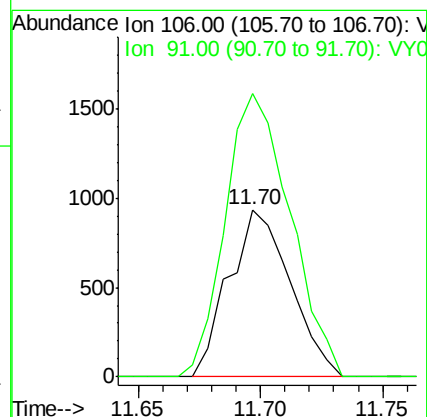
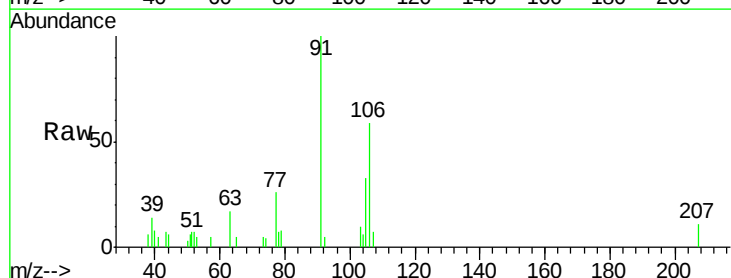
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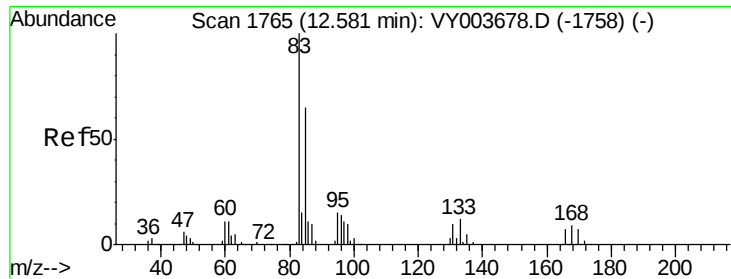
Tgt Ion: 106 Resp: 1637

Ion Ratio Lower Upper

106 100

91 169.2 131.3 243.9





#58

1,1,2,2-Tetrachloroethane

Concen: 0.179 ug/L

RT: 12.56 min Scan# 1762

Delta R.T. -0.02 min

Lab File: VY003705.D

Acq: 09 Dec 2020 16:56

Instrument :

MSVOA_Y

ClientSampleId :

GB1F9

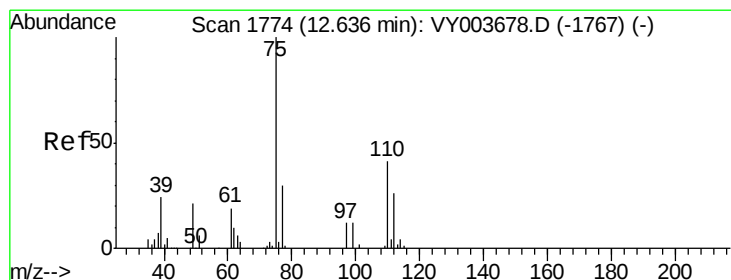
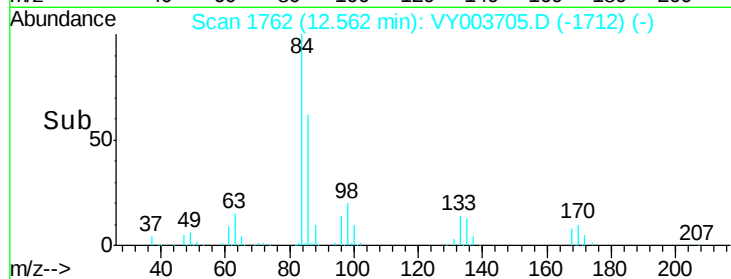
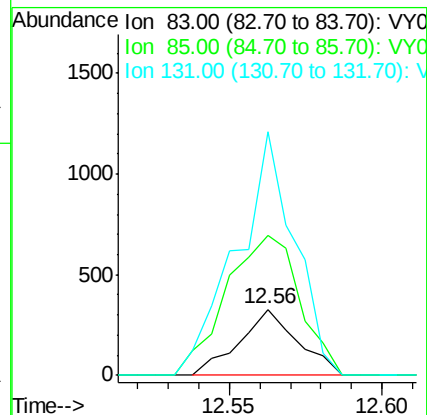
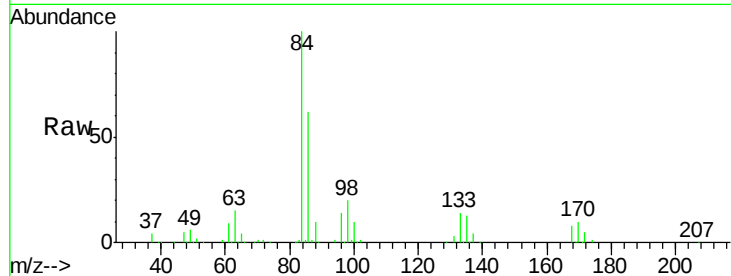
Tgt Ion: 83 Resp: 437

Ion Ratio Lower Upper

83 100

85 211.3 47.2 87.6#

131 368.6 8.4 12.6#



#59

1,2,3-Trichloropropane

Concen: 4.466 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003705.D

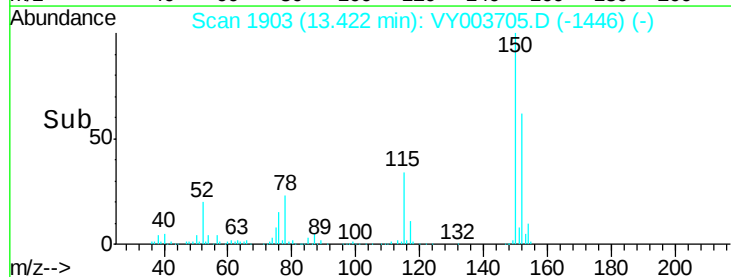
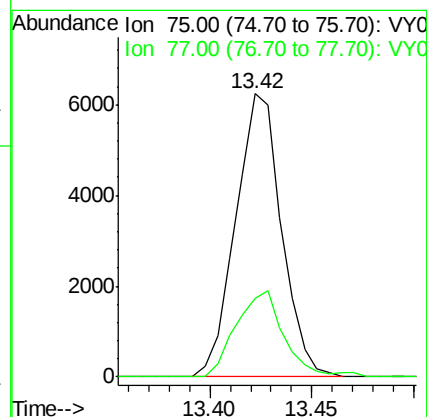
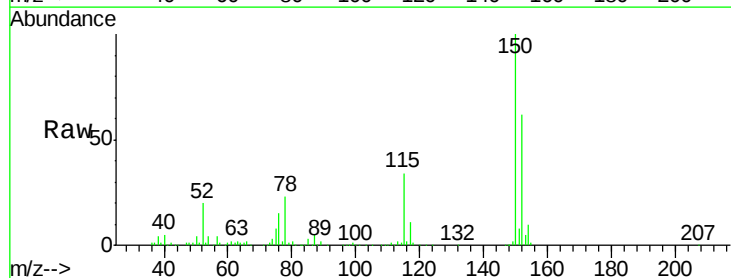
Acq: 09 Dec 2020 16:56

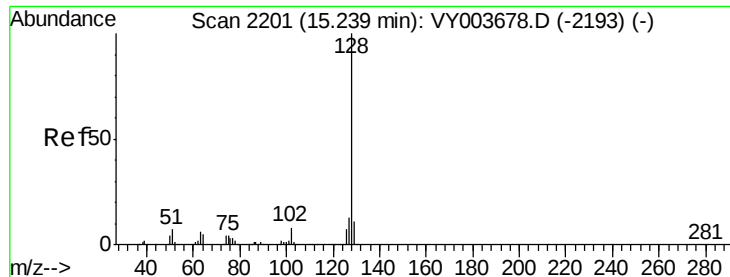
Tgt Ion: 75 Resp: 9728

Ion Ratio Lower Upper

75 100

77 31.2 25.9 38.9





#69

Naphthalene

Concen: 0.167 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.01 min

Lab File: VY003705.D

Acq: 09 Dec 2020 16:56

Instrument :

MSVOA_Y

ClientSampleId :

GB1F9

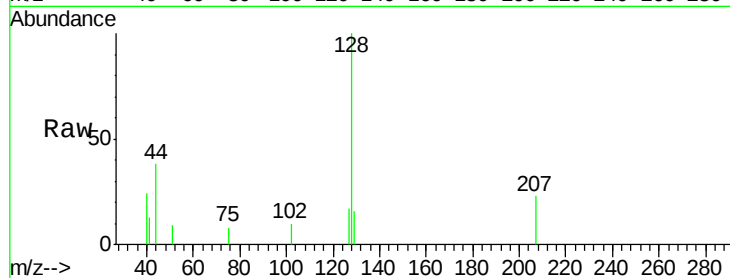
Tgt Ion:128 Resp: 1029

Ion Ratio Lower Upper

128 100

129 8.4 8.7 13.1#

127 13.1 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

