

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120920\NOT REVIEWED DATA\
 Data File : VY003709.D
 Acq On : 09 Dec 2020 18:28
 Operator : SY/MD
 Sample : L4979-12RE
 Misc : 4.07G/10ML/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1G2RE

Quant Time: Dec 10 12:06:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 11:26:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	177969	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	158294	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	58068	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	48274	19.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.72%
7) Chloroethane-d5	2.77	69	42183	22.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.88%
10) 1,1-Dichloroethene-d2	3.86	63	78826	16.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.56%
20) 2-Butanone-d5	6.90	46	38835	43.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.56%
24) Chloroform-d	7.49	84	103825	22.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.68%
26) 1,2-Dichloroethane-d4	8.15	65	58920	22.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.44%
29) Benzene-d6	8.12	84	223687	24.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.64%
33) 1,2-Dichloropropane-d6	9.12	67	68338	25.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.80%
37) Toluene-d8	10.18	98	197874	24.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.36%
38) trans-1,3-Dichloropropene-	10.44	79	30902	23.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.36%
39) 2-Hexanone-d5	10.79	63	31993	47.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.18%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	56878	23.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.16%
61) 1,2-Dichlorobenzene-d4	13.72	152	51566	24.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.76%

Target Compounds

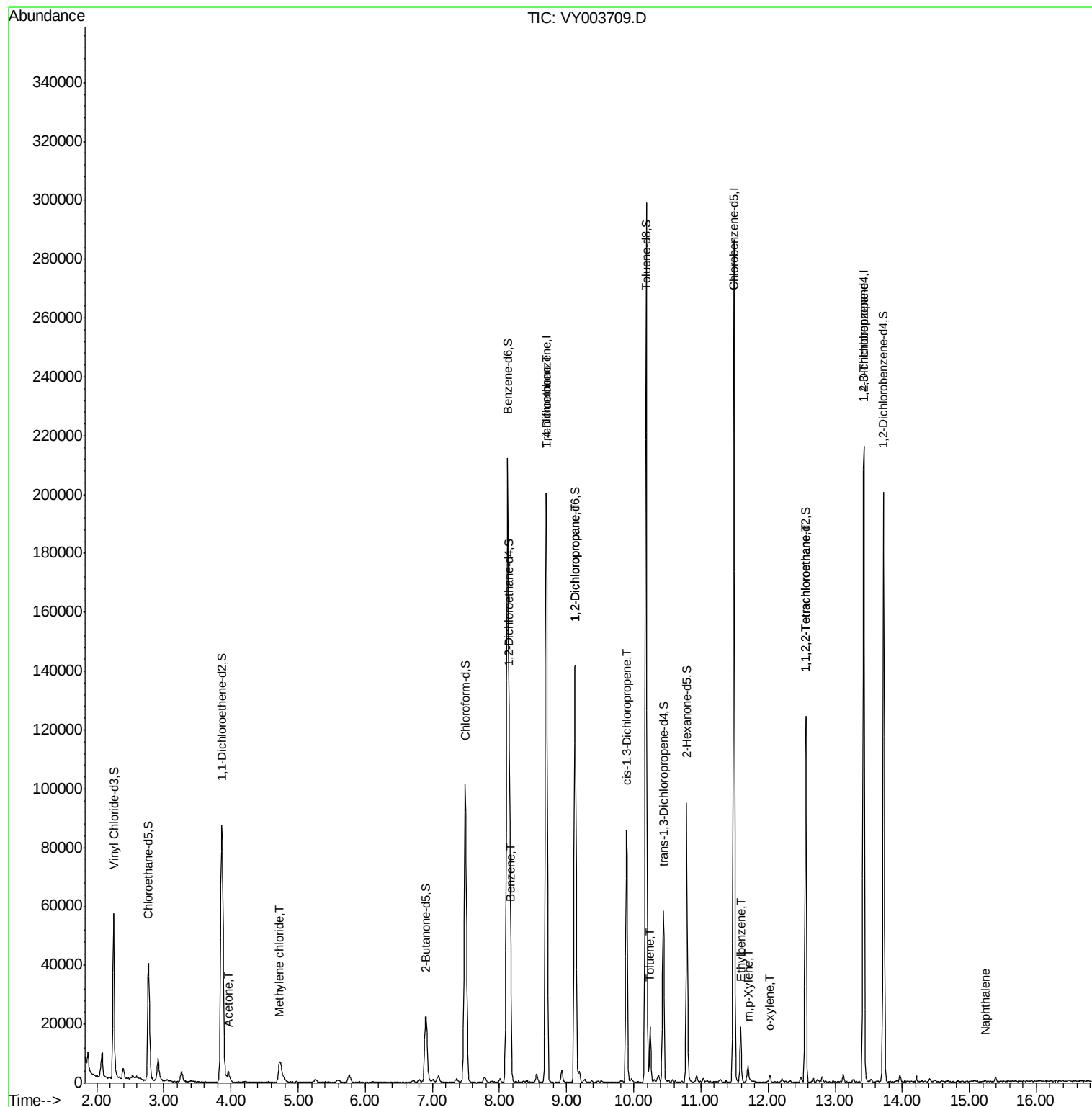
					Qvalue
13) Acetone	3.96	43	5287	8.039 ug/L	94
16) Methylene chloride	4.72	84	2318	0.742 ug/L	84
34) Benzene	8.17	78	3648	0.403 ug/L	100
35) Trichloroethene	8.70	95	4946	1.989 ug/L #	2
40) 1,2-Dichloropropane	9.12	63	7355	3.239 ug/L #	86
42) cis-1,3-Dichloropropene	9.90	75	2239	0.626 ug/L #	43
44) Toluene	10.25	91	13339	1.396 ug/L	97
53) Ethylbenzene	11.59	91	12574	1.206 ug/L	100
54) m,p-Xylene	11.70	106	1674	0.416 ug/L	99
55) o-xylene	12.03	106	761	0.197 ug/L #	43
58) 1,1,2,2-Tetrachloroethane	12.57	83	356	0.170 ug/L #	1
59) 1,2,3-Trichloropropane	13.43	75	7075	3.770 ug/L	96
69) Naphthalene	15.24	128	674	0.154 ug/L #	80

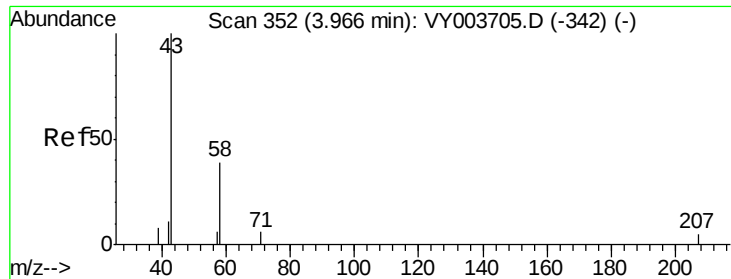
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 8.039 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY003709.D

Acq: 09 Dec 2020 18:28

Instrument :

MSVOA_Y

ClientSampleId :

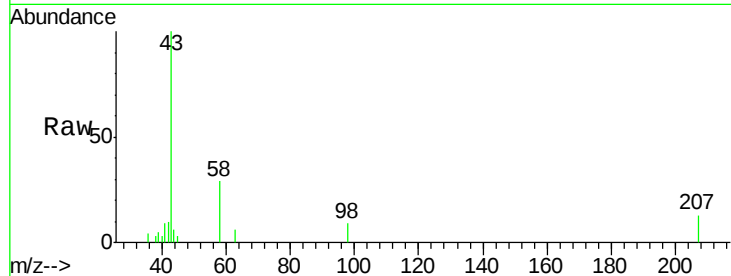
GB1G2RE

Tgt Ion: 43 Resp: 5287

Ion Ratio Lower Upper

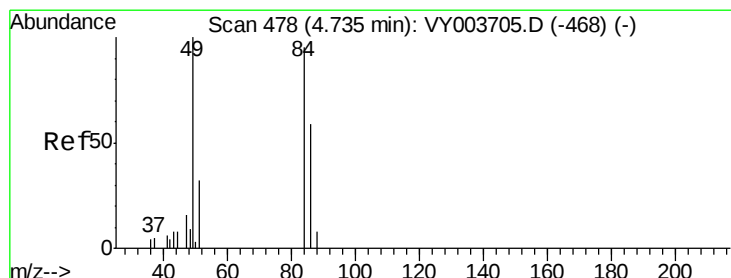
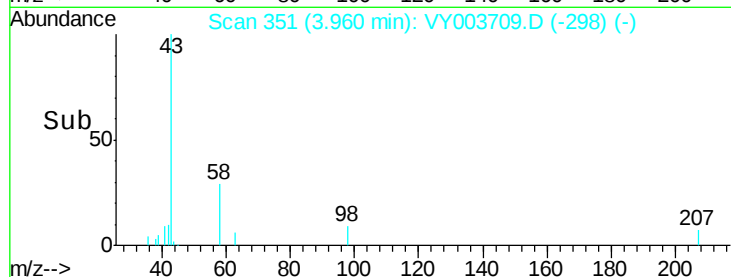
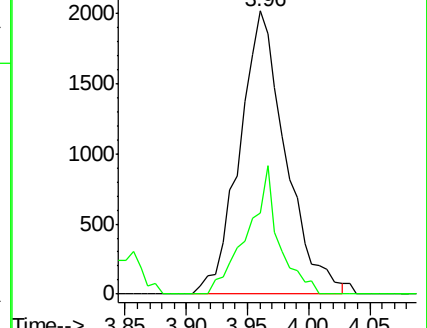
43 100

58 30.9 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY003709.D (-298) (-)

Ion 58.00 (57.70 to 58.70): VY003709.D (-298) (-)



#16

Methylene chloride

Concen: 0.742 ug/L

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VY003709.D

Acq: 09 Dec 2020 18:28

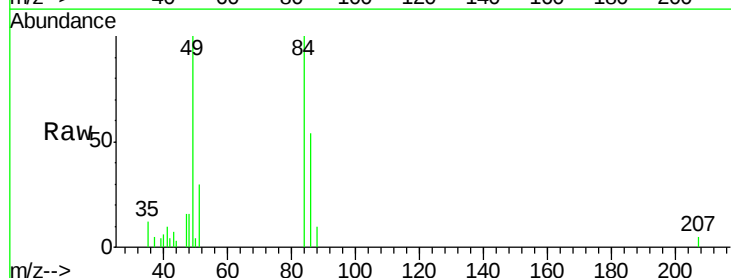
Tgt Ion: 84 Resp: 2318

Ion Ratio Lower Upper

84 100

49 99.7 83.7 155.4

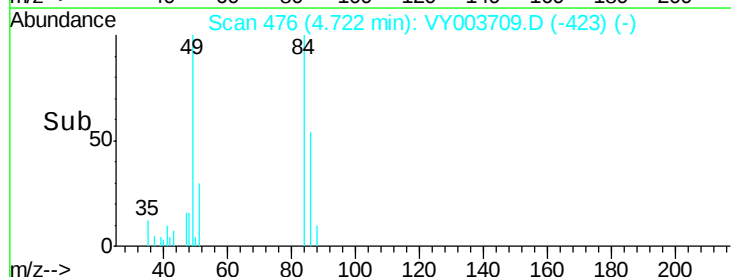
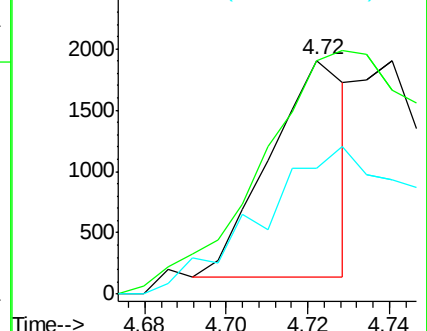
86 53.9 45.0 83.6

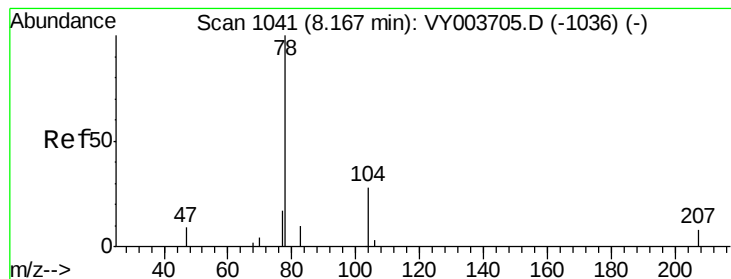


Abundance Ion 84.00 (83.70 to 84.70): VY003709.D (-423) (-)

Ion 49.00 (48.70 to 49.70): VY003709.D (-423) (-)

Ion 86.00 (85.70 to 86.70): VY003709.D (-423) (-)





#34

Benzene

Concen: 0.403 ug/L

RT: 8.17 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VY003709.D

Acq: 09 Dec 2020 18:28

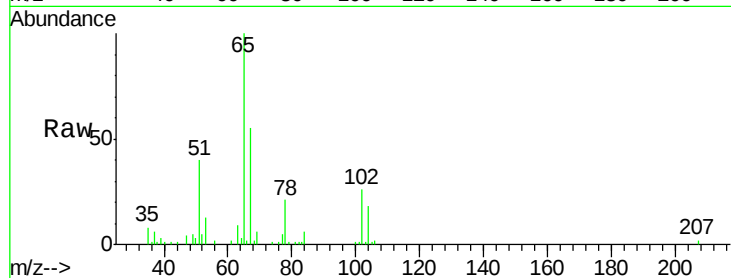
Instrument :

MSVOA_Y

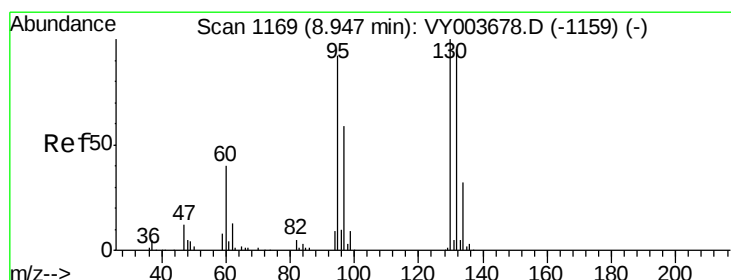
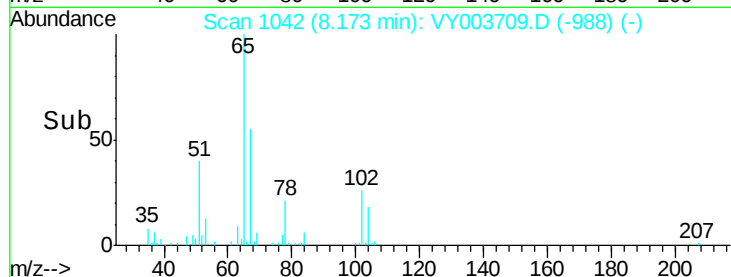
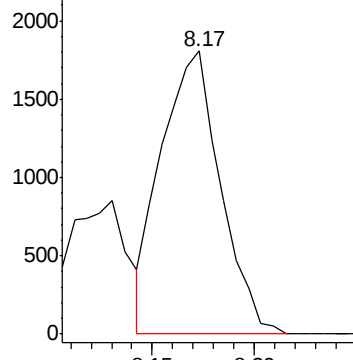
ClientSampleId :

GB1G2RE

Tgt Ion: 78 Resp: 3648



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 1.989 ug/L

RT: 8.70 min Scan# 1128

Delta R.T. -0.25 min

Lab File: VY003709.D

Acq: 09 Dec 2020 18:28

Tgt Ion: 95 Resp: 4946

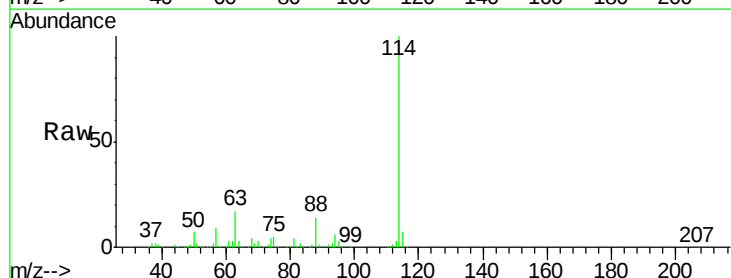
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.0#

132 0.0 74.2 137.8#

130 1.3 76.2 141.6#

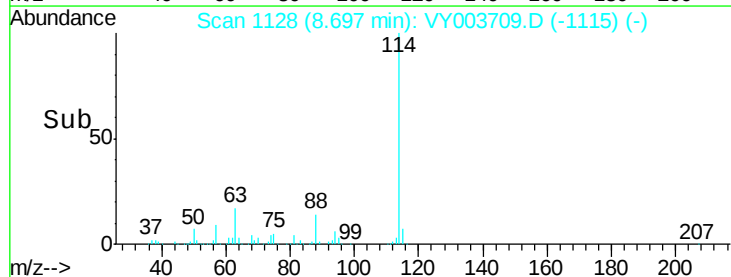
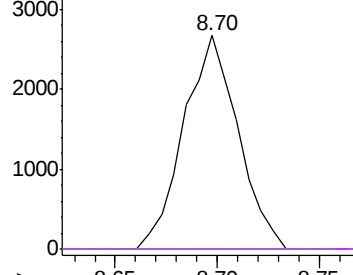


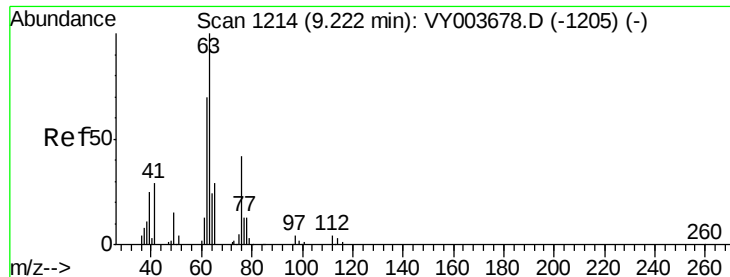
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0





#40

1,2-Dichloropropane

Concen: 3.239 ug/L

RT: 9.12 min Scan# 1198

Delta R.T. -0.10 min

Lab File: VY003709.D

Acq: 09 Dec 2020 18:28

Instrument :

MSVOA_Y

ClientSampleId :

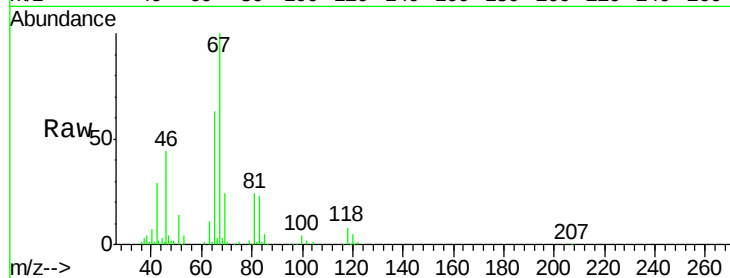
GB1G2RE

Tgt Ion: 63 Resp: 7355

Ion Ratio Lower Upper

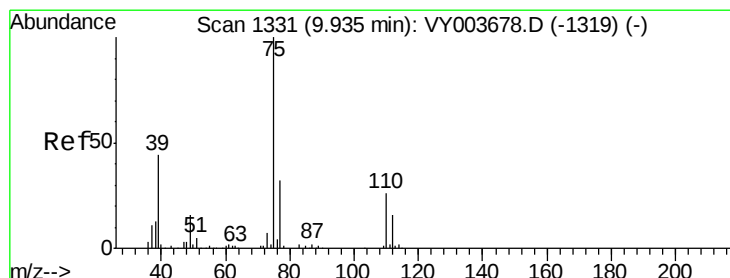
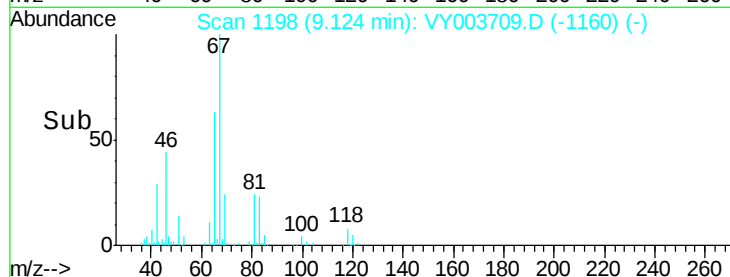
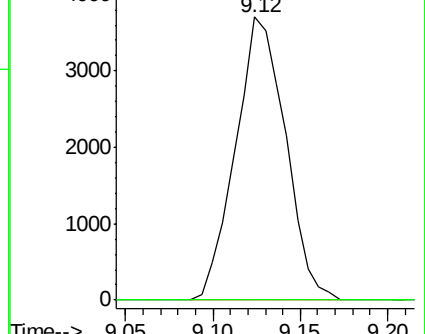
63 100

112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): VY0



#42

cis-1,3-Dichloropropene

Concen: 0.626 ug/L

RT: 9.90 min Scan# 1325

Delta R.T. -0.03 min

Lab File: VY003709.D

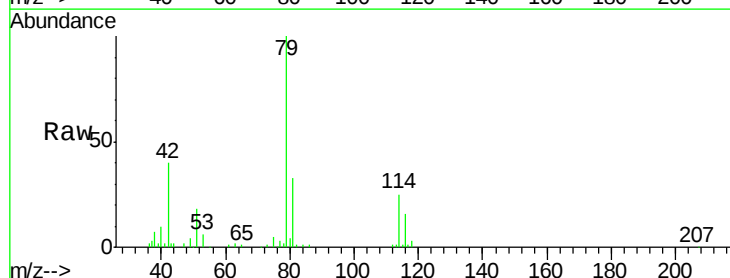
Acq: 09 Dec 2020 18:28

Tgt Ion: 75 Resp: 2239

Ion Ratio Lower Upper

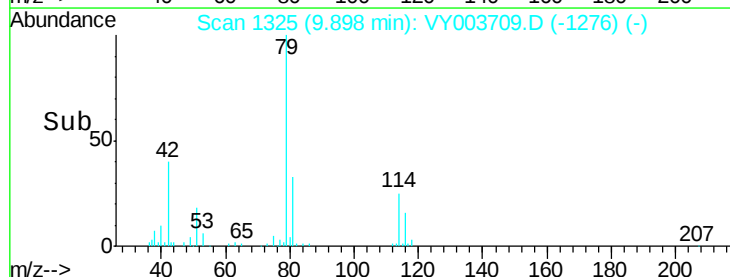
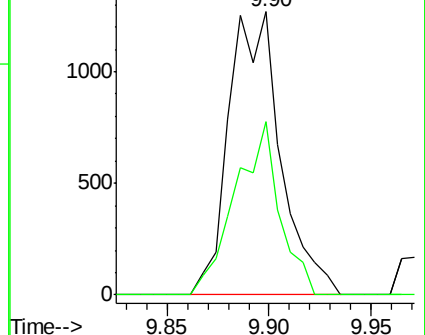
75 100

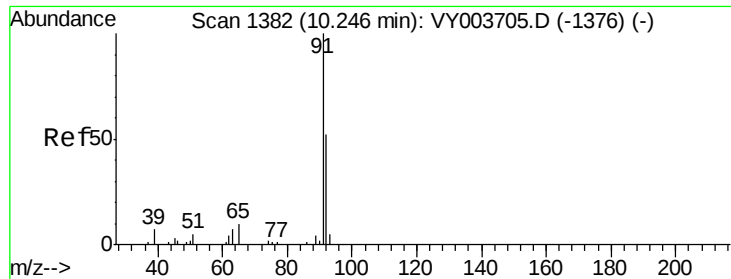
77 61.4 21.3 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





#44

Toluene

Concen: 1.396 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003709.D

Acq: 09 Dec 2020 18:28

Instrument :

MSVOA_Y

ClientSampleId :

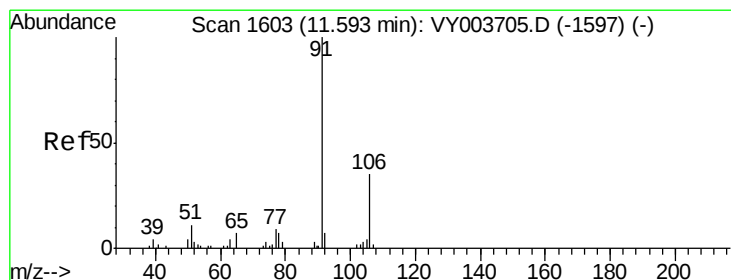
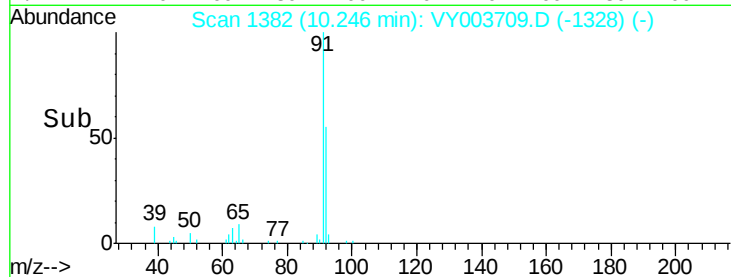
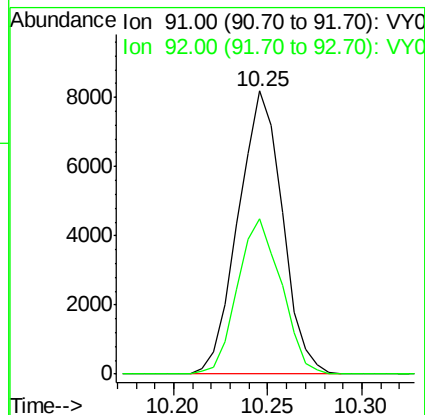
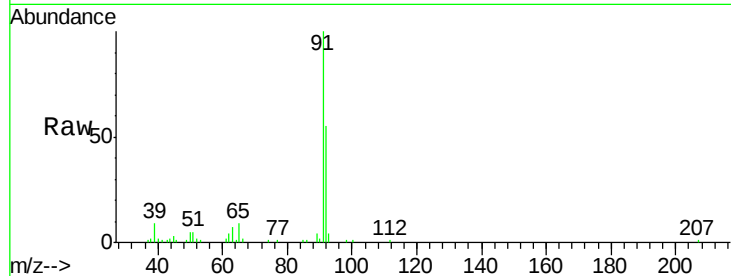
GB1G2RE

Tgt Ion: 91 Resp: 13339

Ion Ratio Lower Upper

91 100

92 54.8 39.8 73.8



#53

Ethylbenzene

Concen: 1.206 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003709.D

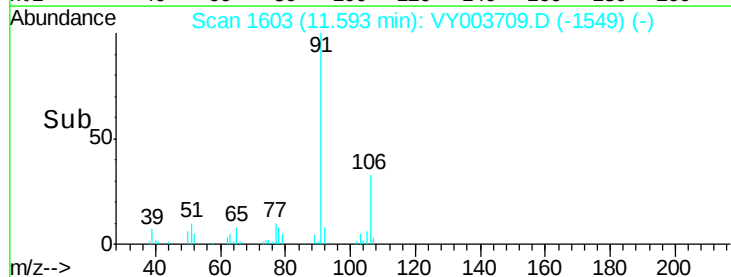
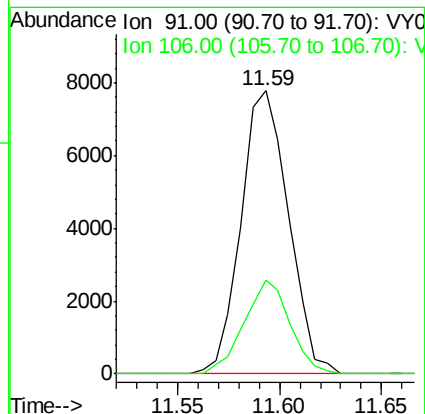
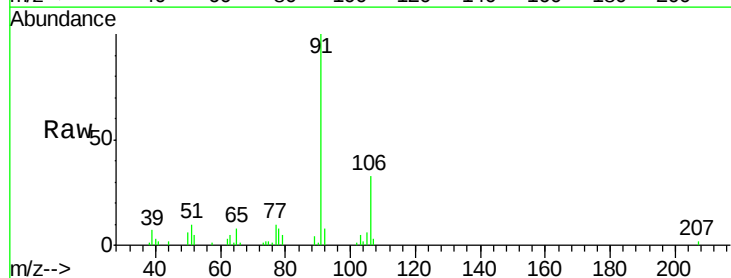
Acq: 09 Dec 2020 18:28

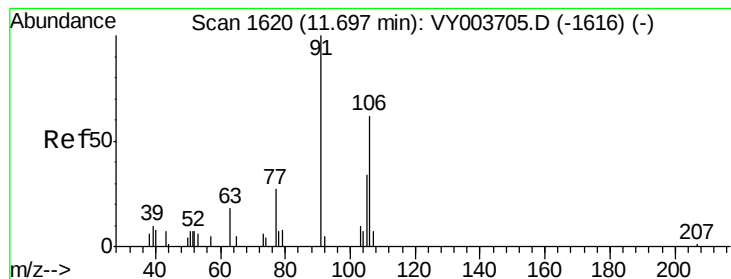
Tgt Ion: 91 Resp: 12574

Ion Ratio Lower Upper

91 100

106 33.3 23.3 43.3





#54

m,p-Xylene

Concen: 0.416 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003709.D

Acq: 09 Dec 2020 18:28

Instrument :

MSVOA_Y

ClientSampleId :

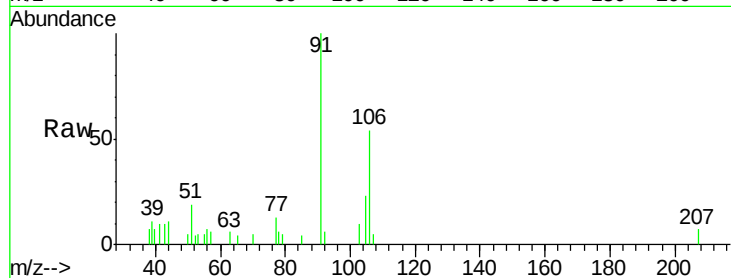
GB1G2RE

Tgt Ion:106 Resp: 1674

Ion Ratio Lower Upper

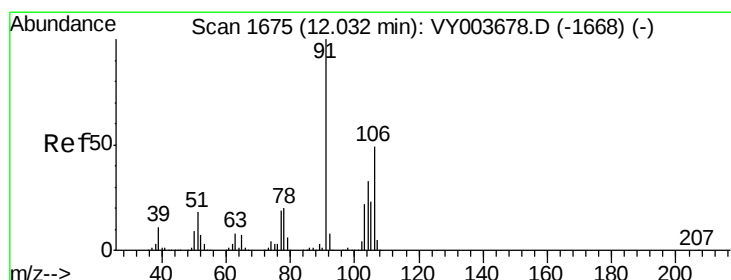
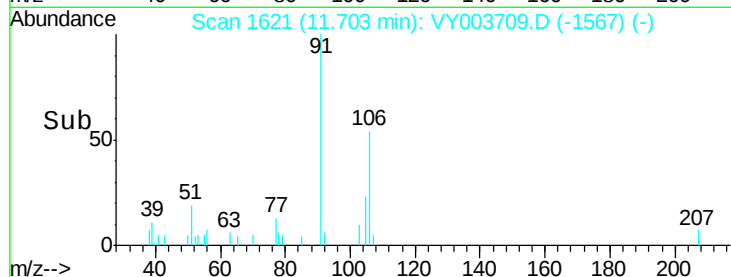
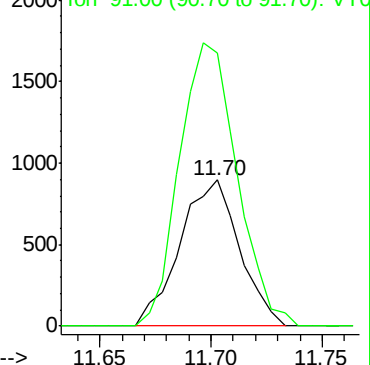
106 100

91 186.5 131.3 243.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 0.197 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VY003709.D

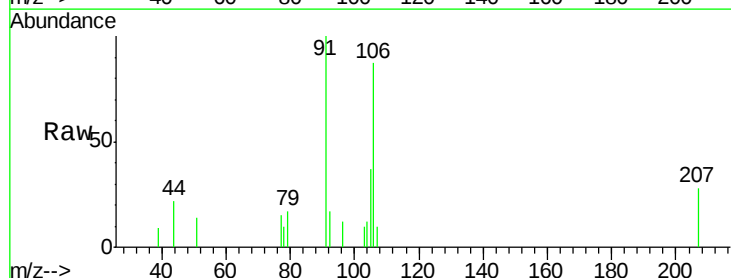
Acq: 09 Dec 2020 18:28

Tgt Ion:106 Resp: 761

Ion Ratio Lower Upper

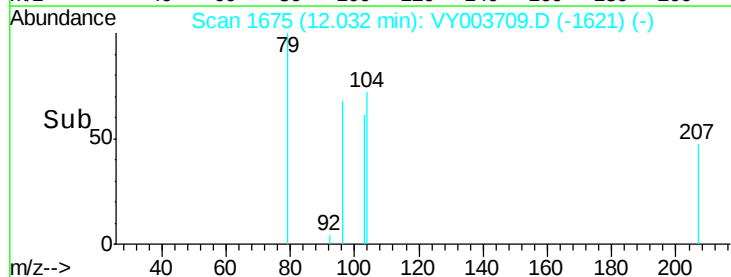
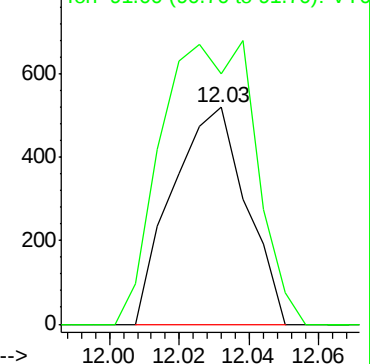
106 100

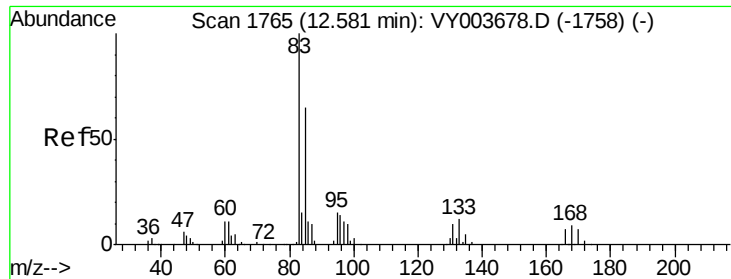
91 115.4 141.7 263.3#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.170 ug/L

RT: 12.57 min Scan# 1763

Delta R.T. -0.02 min

Lab File: VY003709.D

Acq: 09 Dec 2020 18:28

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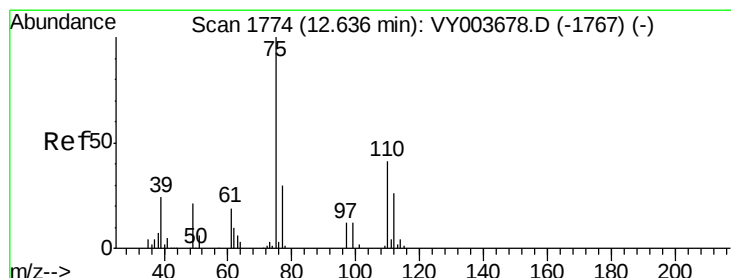
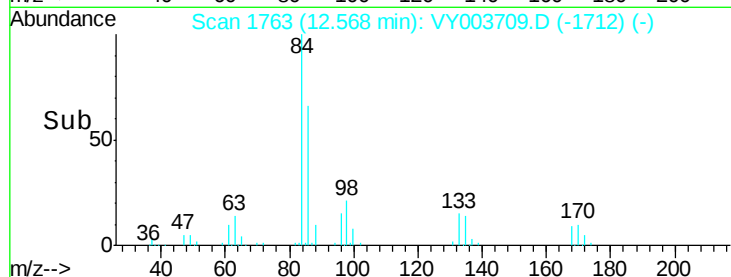
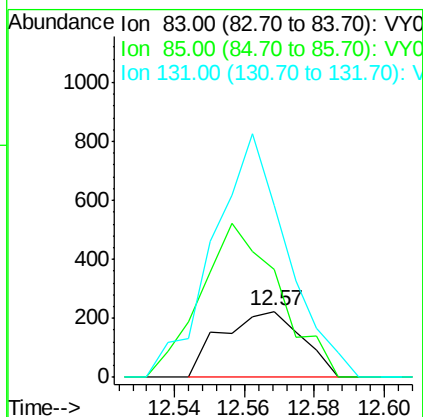
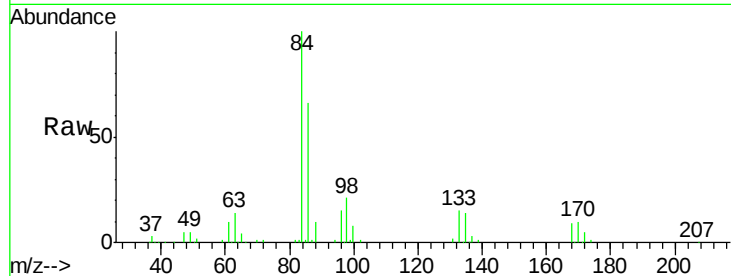
Tgt Ion: 83 Resp: 356

Ion Ratio Lower Upper

83 100

85 163.2 47.2 87.6#

131 261.9 8.4 12.6#



#59

1,2,3-Trichloropropane

Concen: 3.770 ug/L

RT: 13.43 min Scan# 1904

Delta R.T. 0.79 min

Lab File: VY003709.D

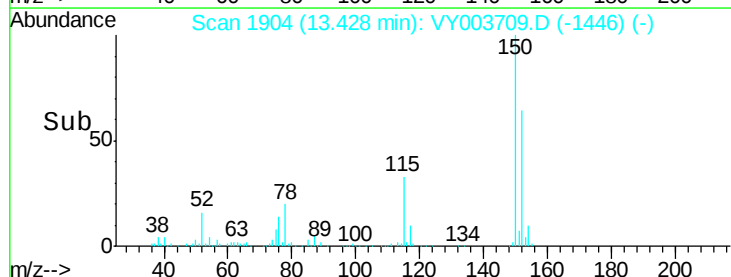
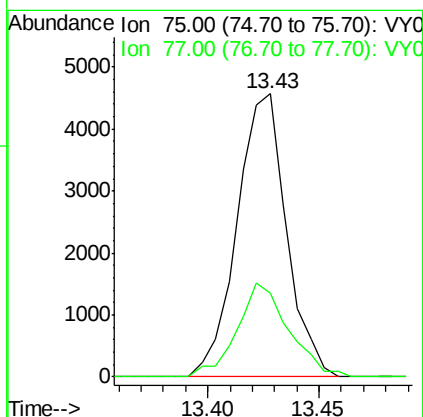
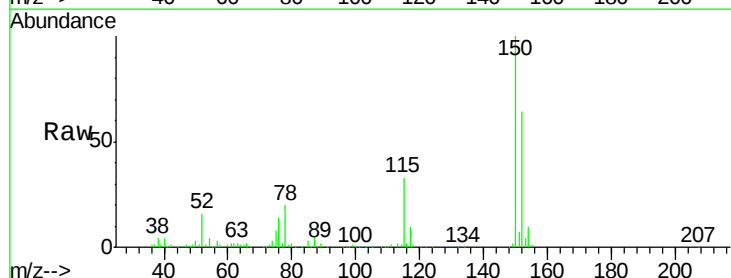
Acq: 09 Dec 2020 18:28

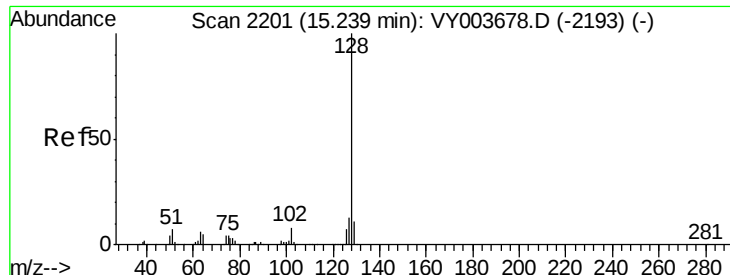
Tgt Ion: 75 Resp: 7075

Ion Ratio Lower Upper

75 100

77 34.7 25.9 38.9





#69

Naphthalene

Concen: 0.154 ug/L

RT: 15.24 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VY003709.D

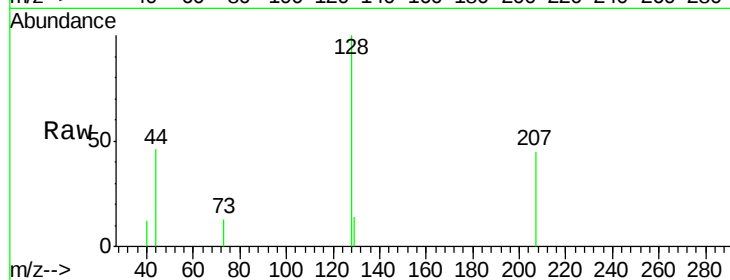
Acq: 09 Dec 2020 18:28

Instrument :

MSVOA_Y

ClientSampleId :

GB1G2RE



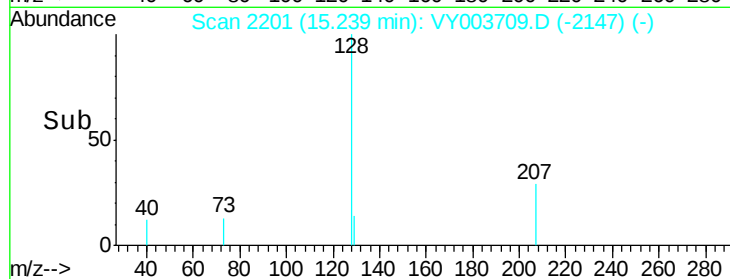
Tgt Ion:128 Resp: 674

Ion Ratio Lower Upper

128 100

129 9.2 8.7 13.1

127 0.0 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

15.24

400

300

200

100

0

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