

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120820\
 Data File : VY003679.D
 Acq On : 08 Dec 2020 10:34
 Operator : SY/MD
 Sample : VY1208SBL01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VBLK85

Quant Time: Dec 09 02:00:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 09 01:58:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	246526	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	233198	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	115382	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	81139	23.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.08%
7) Chloroethane-d5	2.77	69	61203	23.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.08%
10) 1,1-Dichloroethene-d2	3.86	63	119632	18.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.92%
20) 2-Butanone-d5	6.91	46	47808	38.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.94%
24) Chloroform-d	7.49	84	148323	23.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.52%
26) 1,2-Dichloroethane-d4	8.15	65	81809	22.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.68%
29) Benzene-d6	8.12	84	323215	23.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.76%
33) 1,2-Dichloropropane-d6	9.12	67	96923	24.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.04%
37) Toluene-d8	10.18	98	294930	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.48%
38) trans-1,3-Dichloropropene-	10.44	79	45984	24.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.32%
39) 2-Hexanone-d5	10.79	63	38829	38.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.58%
48) 1,1,1,2,2-Tetrachloroethane-	12.56	84	79027	22.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.80%
61) 1,2-Dichlorobenzene-d4	13.73	152	105626	25.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.80%

Target Compounds

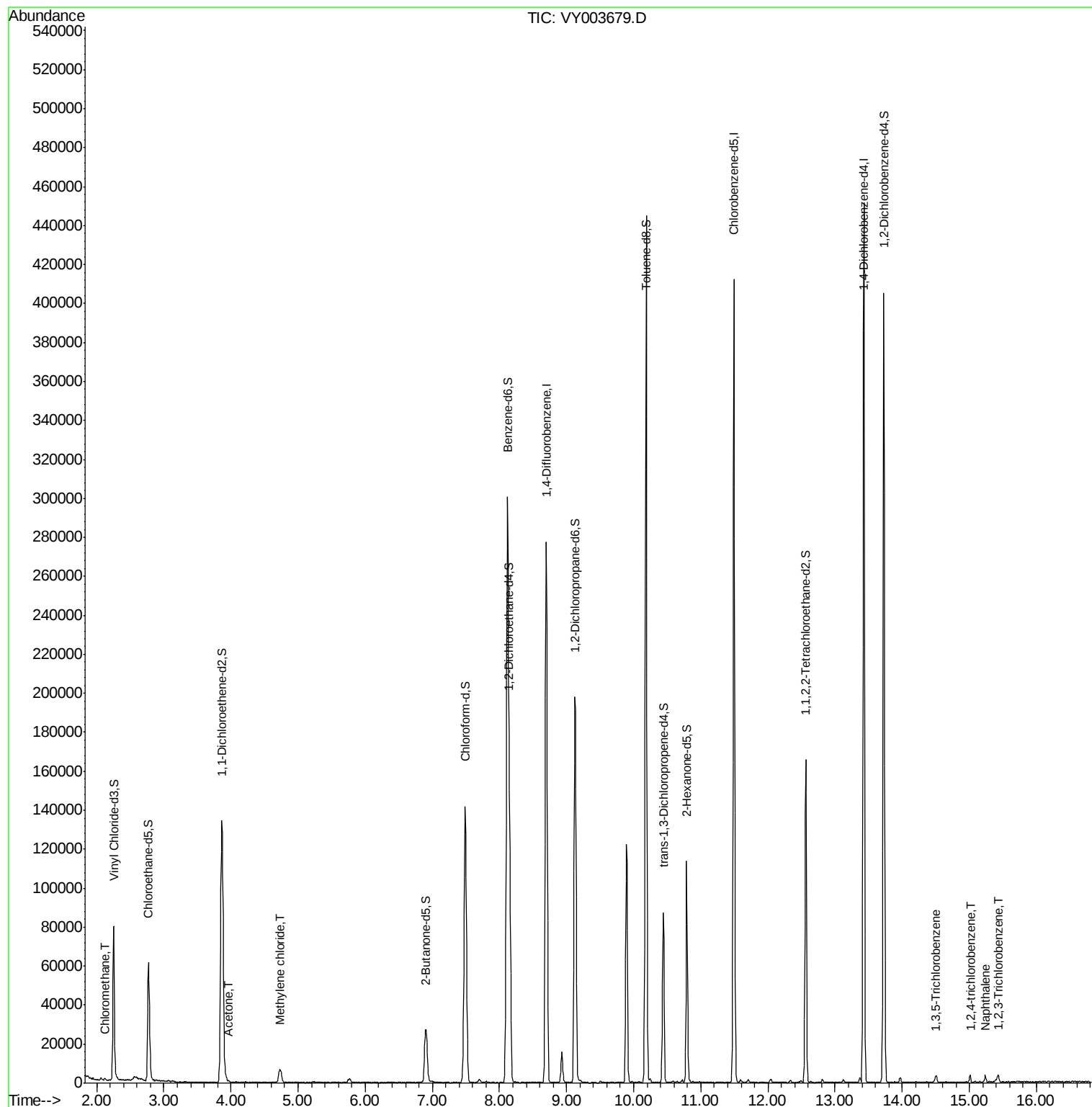
					Ovalue
3) Chloromethane	2.12	50	809	0.269 ug/L	89
13) Acetone	3.97	43	983	1.079 ug/L	71
16) Methylene chloride	4.73	84	4758	1.099 ug/L	90
67) 1,3,5-Trichlorobenzene	14.50	180	1217	0.251 ug/L	97
68) 1,2,4-trichlorobenzene	15.01	180	1452	0.351 ug/L	92
69) Naphthalene	15.24	128	3014	0.347 ug/L #	96
70) 1,2,3-Trichlorobenzene	15.43	180	1546	0.409 ug/L #	90

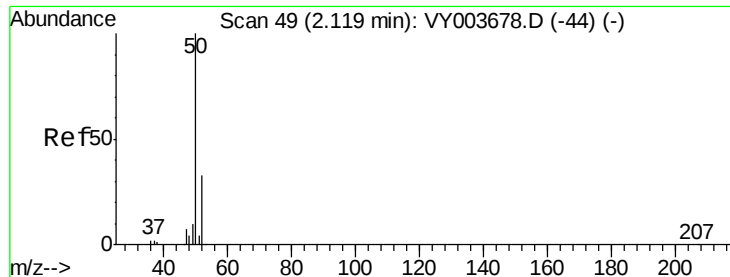
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Dec 09 01:58:23 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.269 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003679.D

Acq: 08 Dec 2020 10:34

Instrument :

MSVOA_Y

ClientSampled :

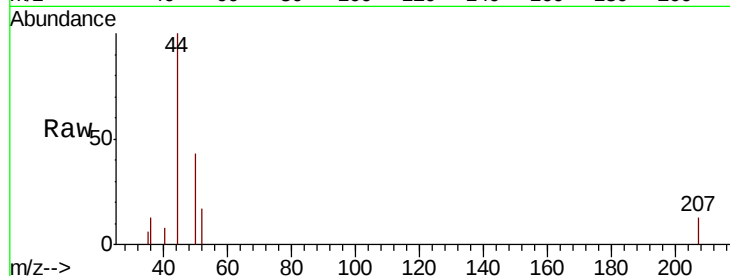
VBLK85

Tot Ion: 50 Resp: 809

Ion Ratio Lower Upper

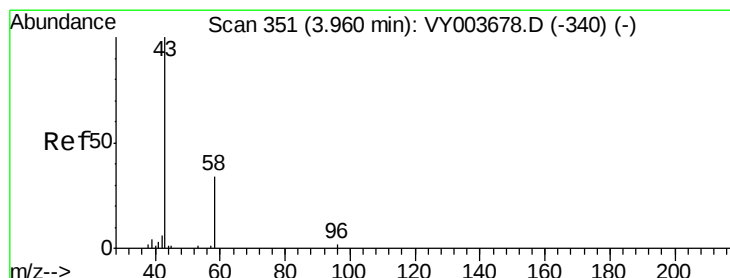
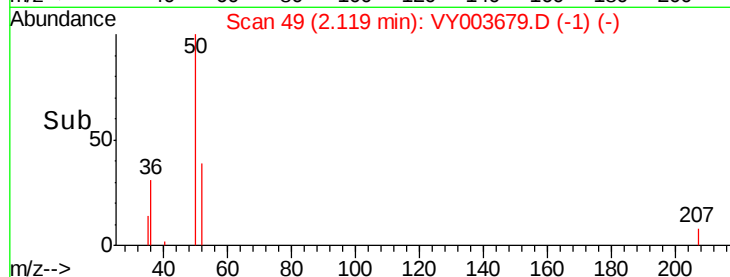
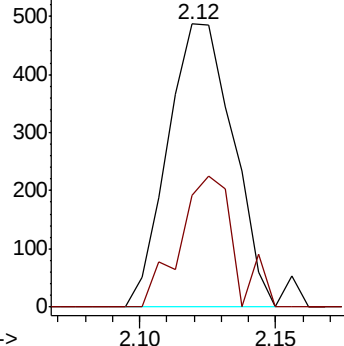
50 100

52 39.4 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#13

Acetone

Concen: 1.079 ug/L

RT: 3.97 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003679.D

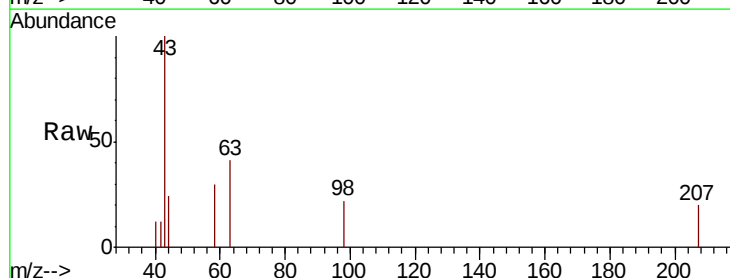
Acq: 08 Dec 2020 10:34

Tgt Ion: 43 Resp: 983

Ion Ratio Lower Upper

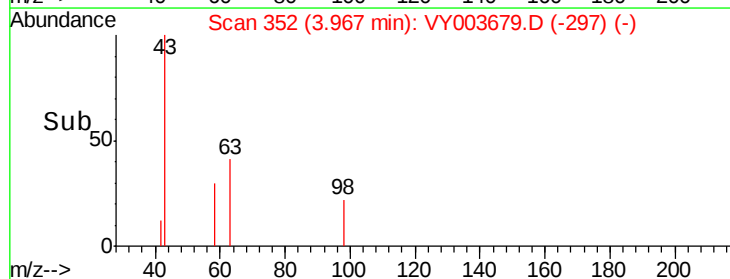
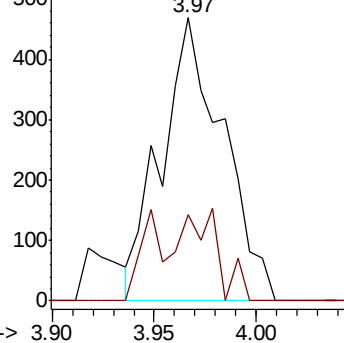
43 100

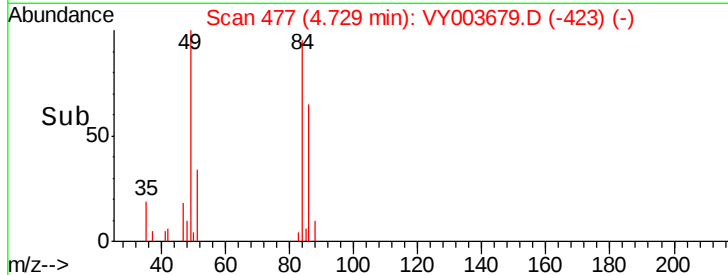
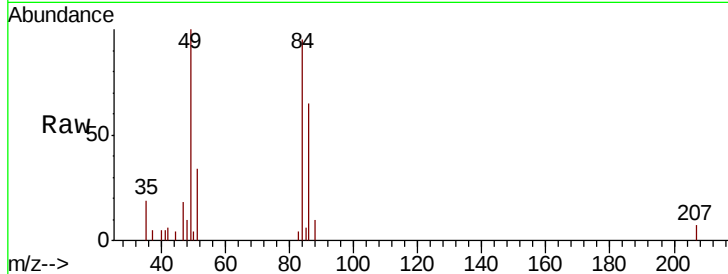
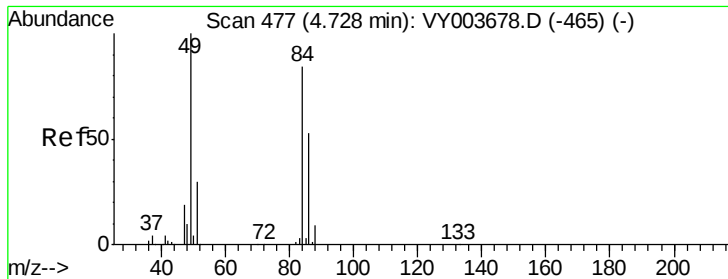
58 17.8 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

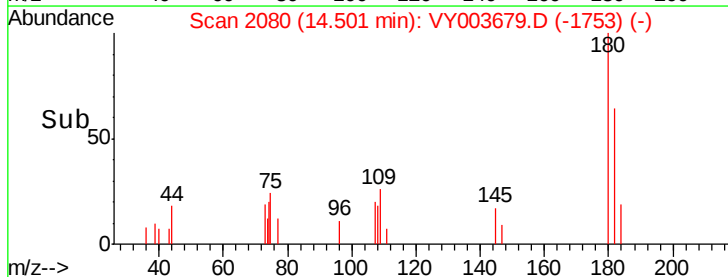
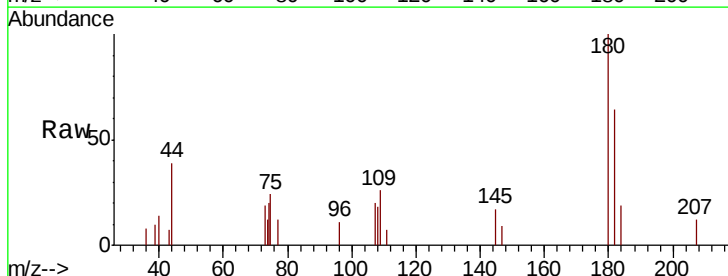
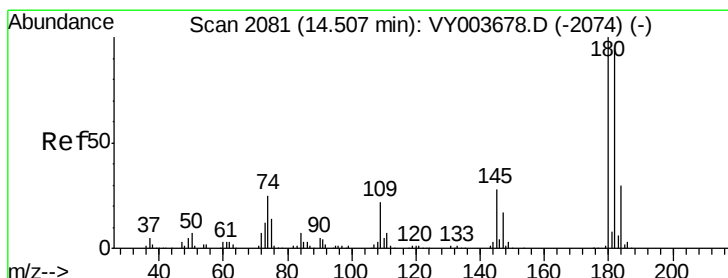
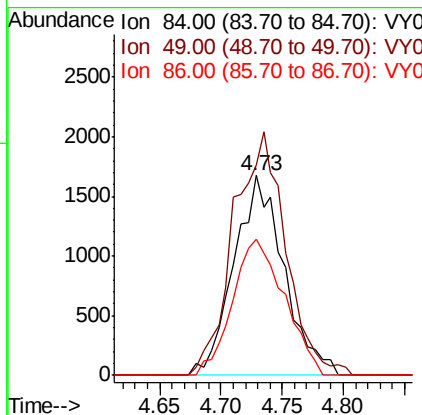




#16
Methvlene chloride
Concen: 1.099 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003679.D
Acq: 08 Dec 2020 10:34

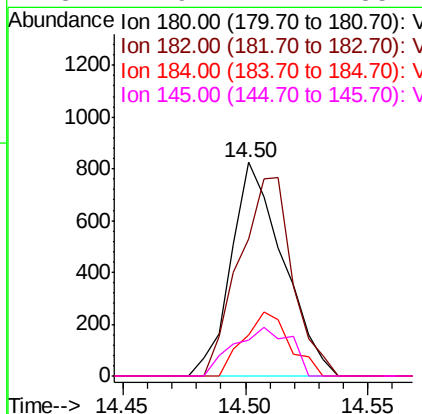
Instrument :
MSVOA_Y
ClientSampled :
VBLK85

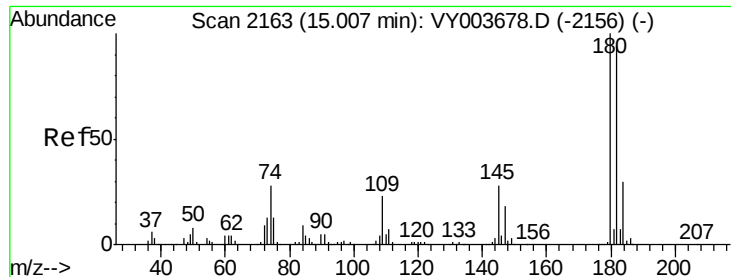
Tot Ion: 84 Resp: 4758
Ion Ratio Lower Upper
84 100
49 105.1 83.7 155.4
86 68.2 45.0 83.6



#67
1,3,5-Trichlorobenzene
Concen: 0.251 ug/L
RT: 14.50 min Scan# 2080
Delta R.T. -0.01 min
Lab File: VY003679.D
Acq: 08 Dec 2020 10:34

Tgt Ion:180 Resp: 1217
Ion Ratio Lower Upper
180 100
182 95.5 76.0 114.0
184 26.6 24.2 36.2
145 24.9 22.2 33.2





#68

1,2,4-trichlorobenzene

Concen: 0.351 ug/L

RT: 15.01 min Scan# 2164

Delta R.T. 0.01 min

Lab File: VY003679.D

Acq: 08 Dec 2020 10:34

Instrument :

MSVOA_Y

ClientSampleId :

VBLK85

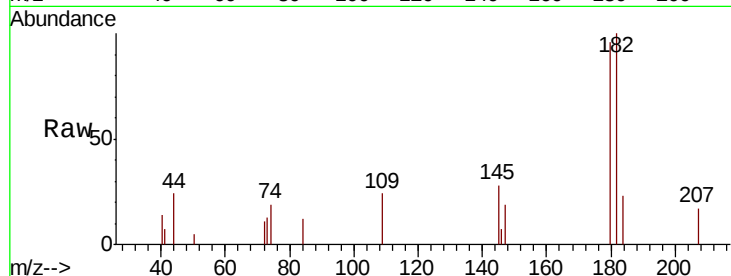
Tot Ion:180 Resp: 1452

Ion Ratio Lower Upper

180 100

182 86.8 76.5 114.7

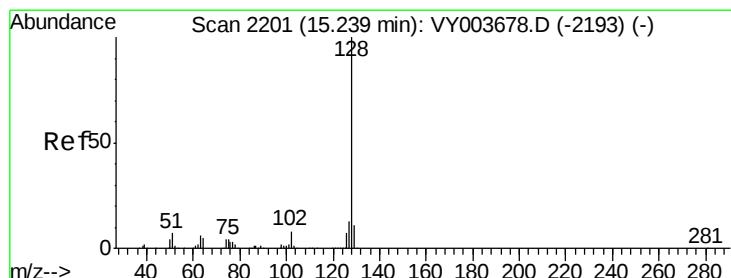
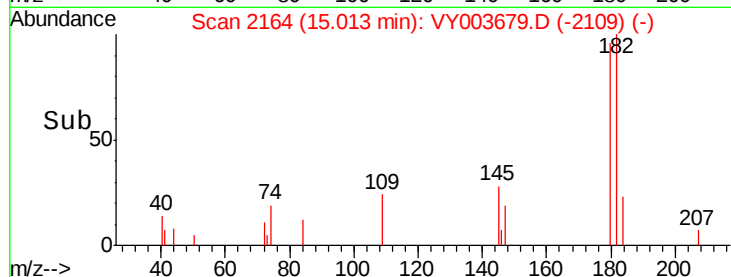
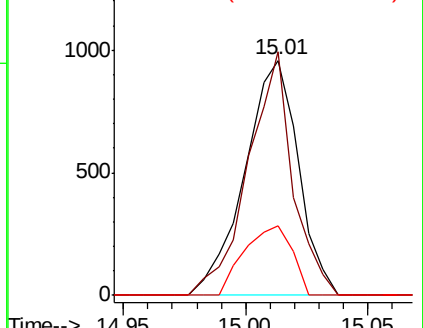
145 26.4 22.2 33.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 0.347 ug/L

RT: 15.24 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VY003679.D

Acq: 08 Dec 2020 10:34

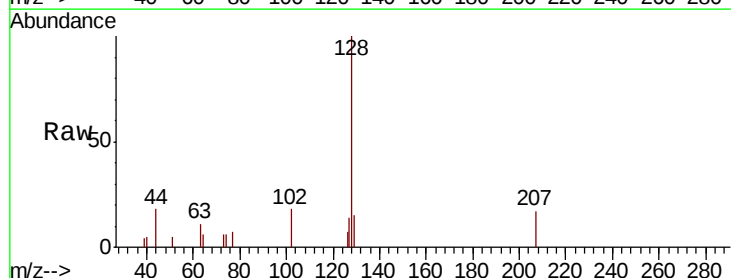
Tgt Ion:128 Resp: 3014

Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

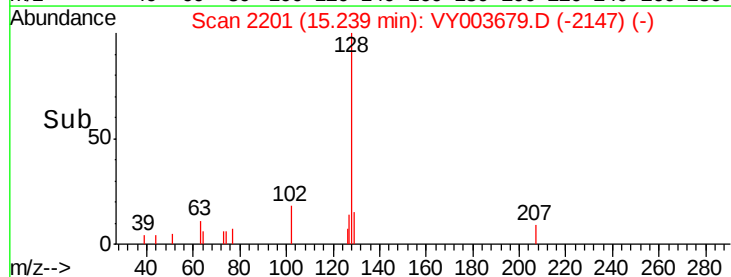
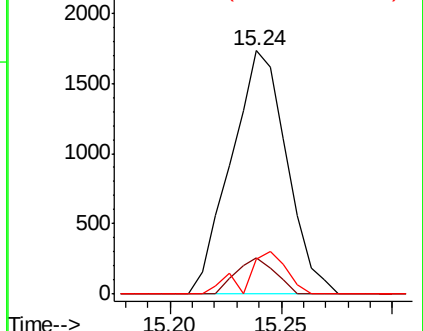
127 10.1 10.2 15.4#

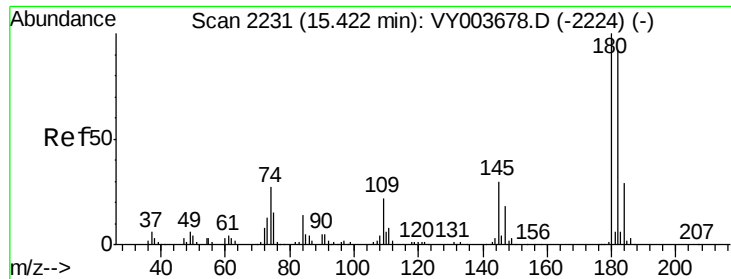


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

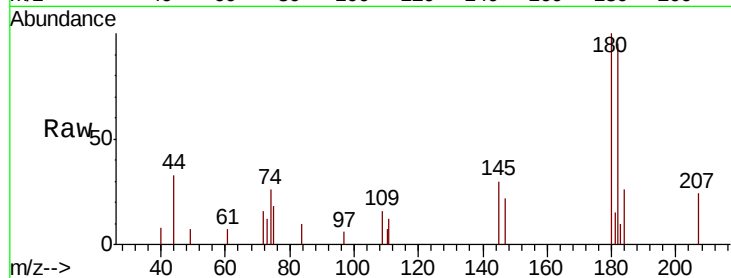




#70
 1,2,3-Trichlorobenzene
 Concen: 0.409 ug/L
 RT: 15.43 min Scan# 2232
 Delta R.T. 0.01 min
 Lab File: VY003679.D
 Acq: 08 Dec 2020 10:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VBLK85

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.4	76.9	115.3
145	20.8	24.2	36.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

