

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121920\
 Data File : VY003825.D
 Acq On : 19 Dec 2020 11:43
 Operator : SY/MD
 Sample : VY1219SBL01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 21 02:34:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 21 02:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	233625	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	218780	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	106375	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	76174	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.56%
7) Chloroethane-d5	2.77	69	58701	24.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.80%
10) 1,1-Dichloroethene-d2	3.86	63	101135	15.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.40%
20) 2-Butanone-d5	6.91	46	44573	32.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.16%
24) Chloroform-d	7.49	84	130718	21.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.16%
26) 1,2-Dichloroethane-d4	8.15	65	71924	20.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.84%
29) Benzene-d6	8.12	84	290725	22.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.84%
33) 1,2-Dichloropropane-d6	9.12	67	82369	20.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.56%
37) Toluene-d8	10.18	98	266526	23.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.04%
38) trans-1,3-Dichloropropene-	10.44	79	40253	20.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.76%
39) 2-Hexanone-d5	10.79	63	37635	34.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.22%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	67481	19.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.32%
61) 1,2-Dichlorobenzene-d4	13.72	152	94951	24.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.40%

Target Compounds

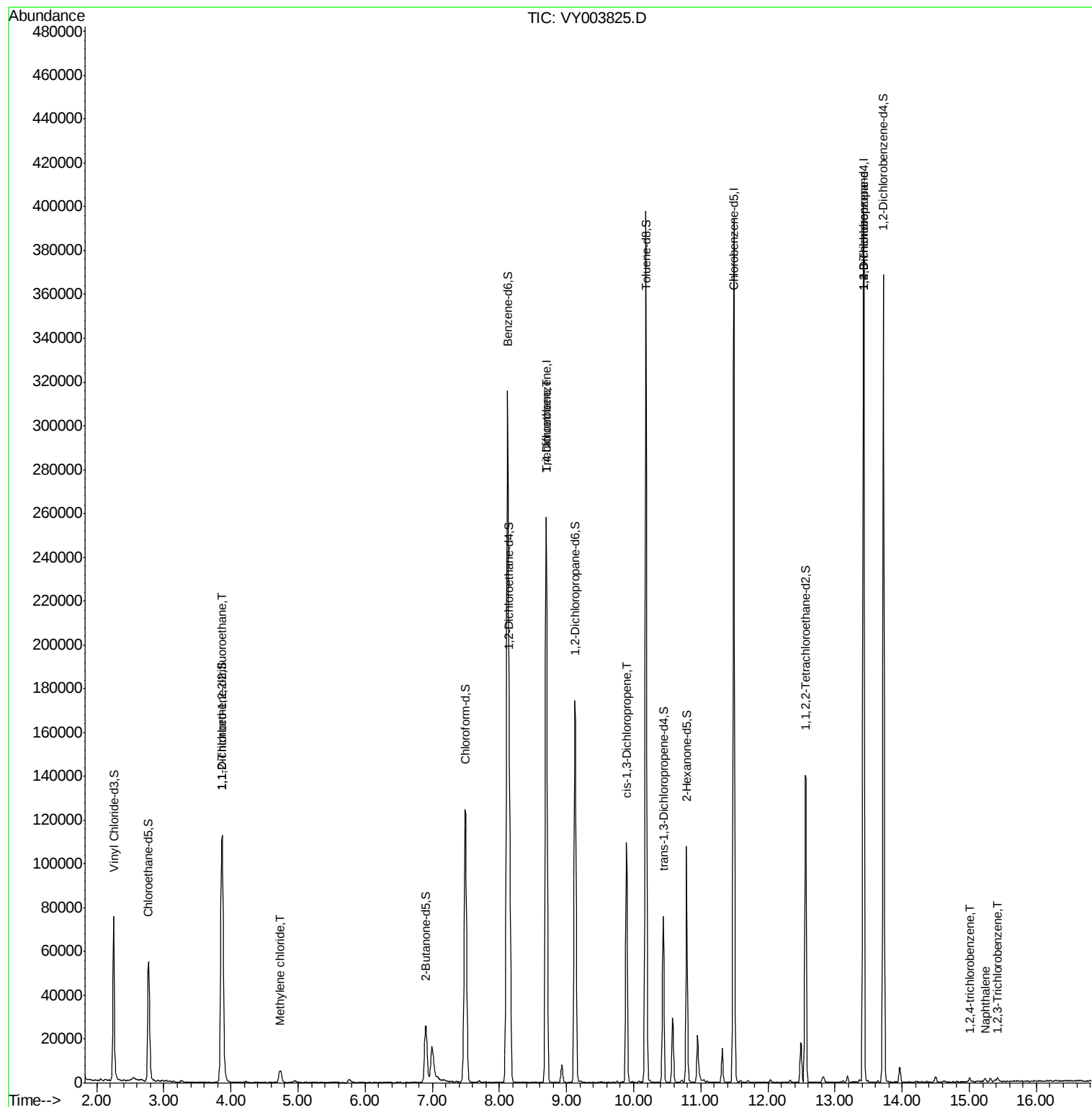
					Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	3.87	101	781	0.230 ug/L #	19
16) Methylene chloride	4.73	84	4352	1.038 ug/L	84
35) Trichloroethene	8.69	95	6279	1.681 ug/L #	3
42) cis-1,3-Dichloropropene	9.90	75	3014	0.526 ug/L	84
59) 1,2,3-Trichloropropane	13.42	75	12834	4.457 ug/L	98
68) 1,2,4-trichlorobenzene	15.01	180	727	0.178 ug/L #	93
69) Naphthalene	15.23	128	1713	0.184 ug/L #	94
70) 1,2,3-Trichlorobenzene	15.43	180	771	0.208 ug/L #	14

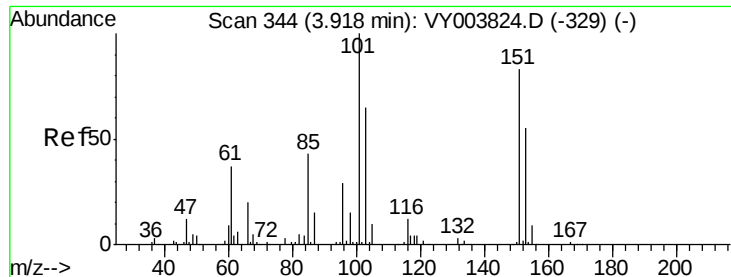
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 21 02:32:44 2020
Response via : Initial Calibration





#11

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

Concen: 0.230 ug/L

RT: 3.87 min Scan# 336

Delta R.T. -0.05 min

Lab File: VY003825.D

Acq: 19 Dec 2020 11:43

Instrument :

MSVOA_Y

ClientSampleId :

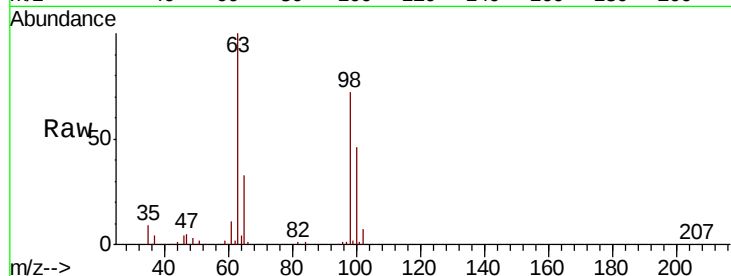
Tot Ion:101 Resp: 781

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

151 0.0 62.1 93.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VY0

Ion 151.00 (150.70 to 151.70): V

500

400

300

200

100

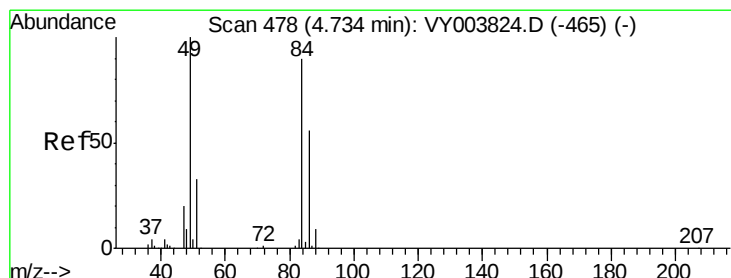
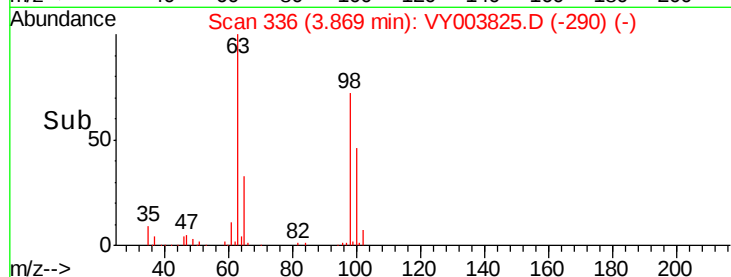
0

3.85

3.87

3.90

Time-->



#16

Methylene chloride

Concen: 1.038 ug/L

RT: 4.73 min Scan# 478

Delta R.T. 0.00 min

Lab File: VY003825.D

Acq: 19 Dec 2020 11:43

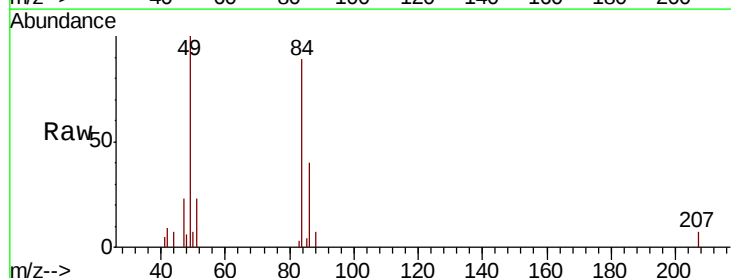
Tgt Ion: 84 Resp: 4352

Ion Ratio Lower Upper

84 100

49 111.8 88.2 163.8

86 44.3 43.0 79.8



Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

2000

1500

1000

500

0

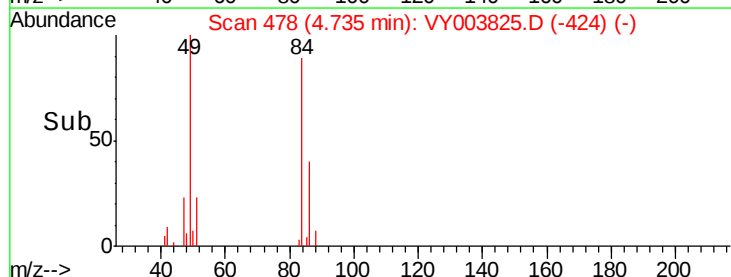
4.65

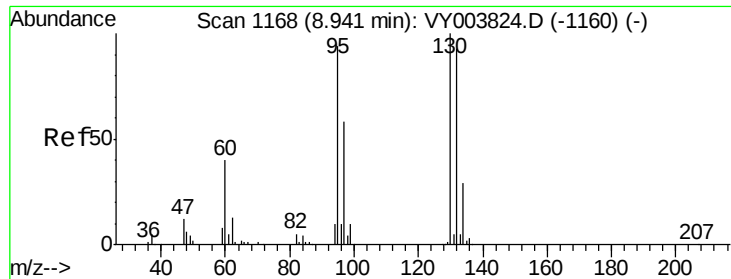
4.70

4.73

4.80

Time-->





#35

Trichloroethene

Concen: 1.681 ug/L

RT: 8.69 min Scan# 1127

Delta R.T. -0.25 min

Lab File: VY003825.D

Acq: 19 Dec 2020 11:43

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 95 Resp: 6279

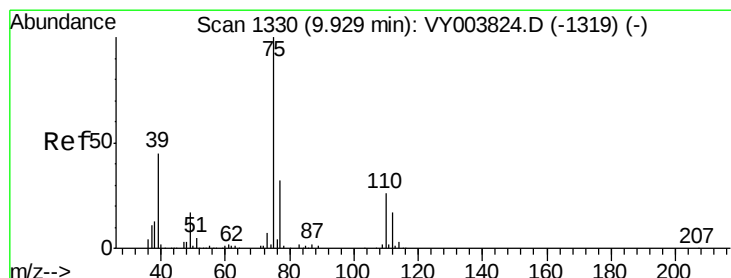
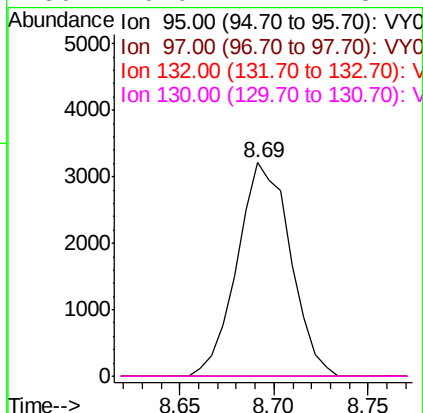
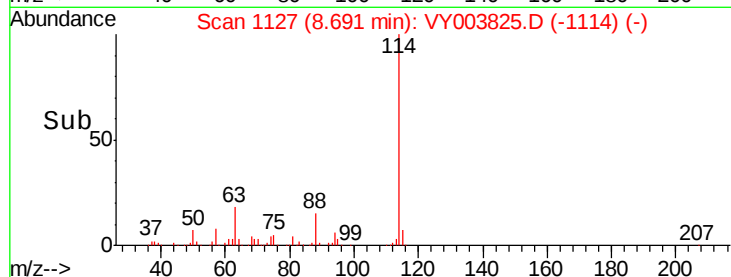
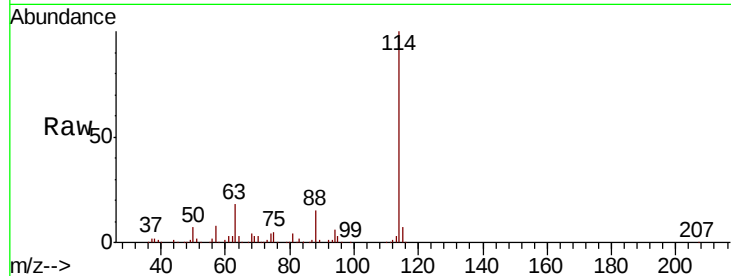
Ion Ratio Lower Upper

95 100

97 0.0 45.4 84.4#

132 0.7 70.8 131.4#

130 0.0 74.1 137.7#



#42

cis-1,3-Dichloropropene

Concen: 0.526 ug/L

RT: 9.90 min Scan# 1325

Delta R.T. -0.03 min

Lab File: VY003825.D

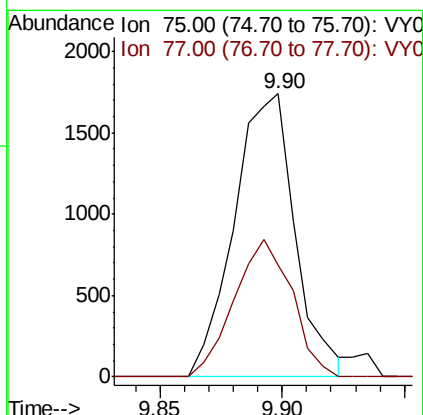
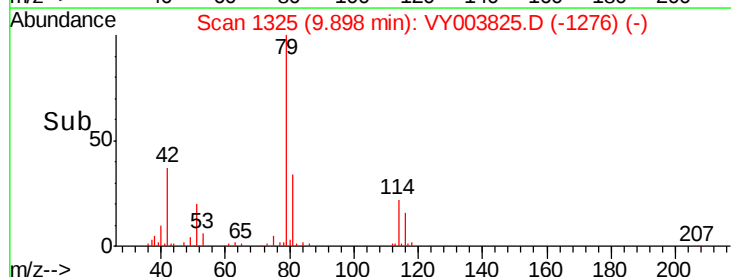
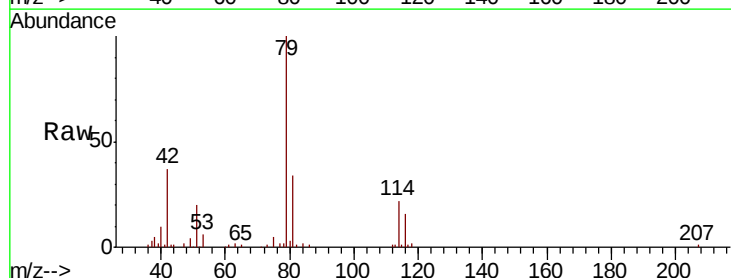
Acq: 19 Dec 2020 11:43

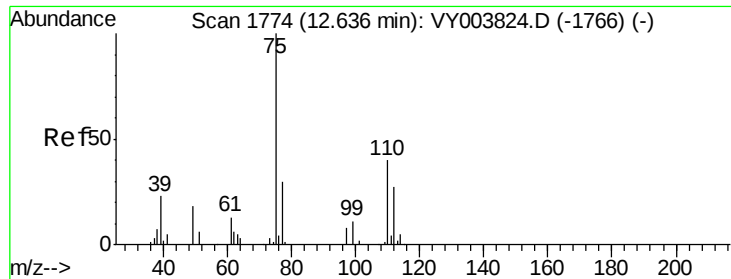
Tgt Ion: 75 Resp: 3014

Ion Ratio Lower Upper

75 100

77 39.3 21.3 39.6





#59

1,2,3-Trichloropropane

Concen: 4.457 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003825.D

Acq: 19 Dec 2020 11:43

Instrument :

MSVOA_Y

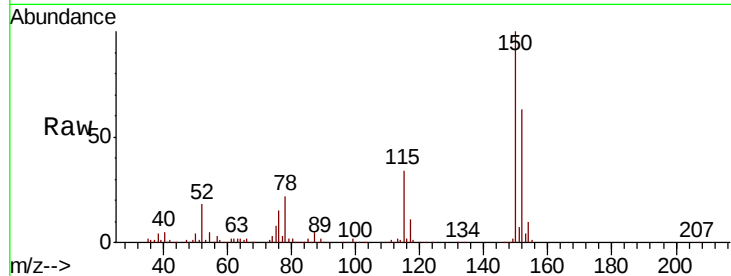
ClientSampleId :

Tot Ion: 75 Resp: 12834

Ion Ratio Lower Upper

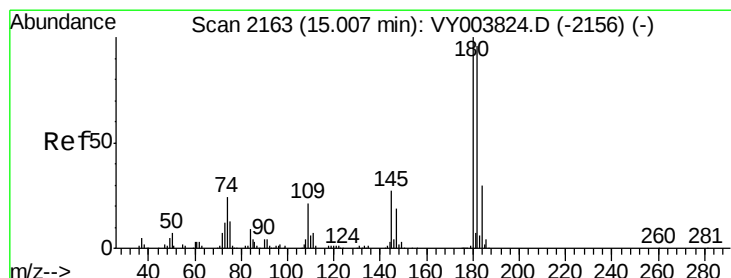
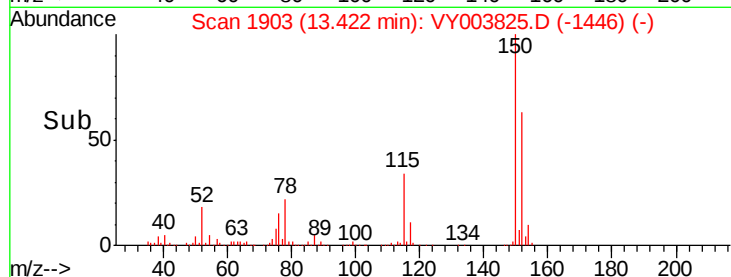
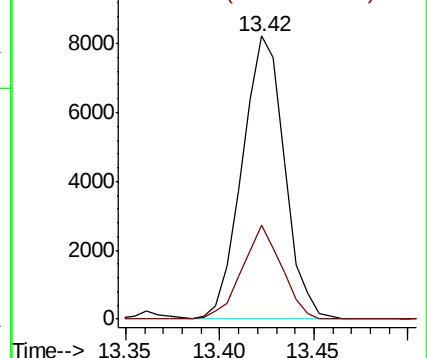
75 100

77 30.9 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#68

1,2,4-trichlorobenzene

Concen: 0.178 ug/L

RT: 15.01 min Scan# 2163

Delta R.T. 0.00 min

Lab File: VY003825.D

Acq: 19 Dec 2020 11:43

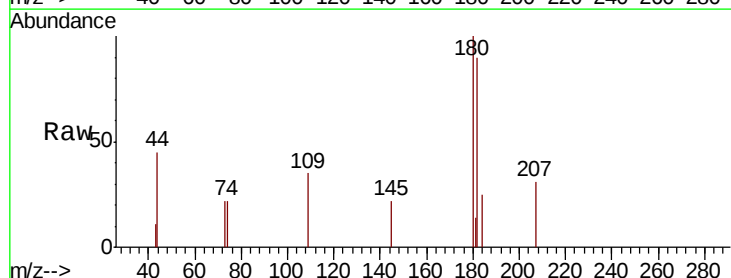
Tgt Ion: 180 Resp: 727

Ion Ratio Lower Upper

180 100

182 100.1 76.8 115.2

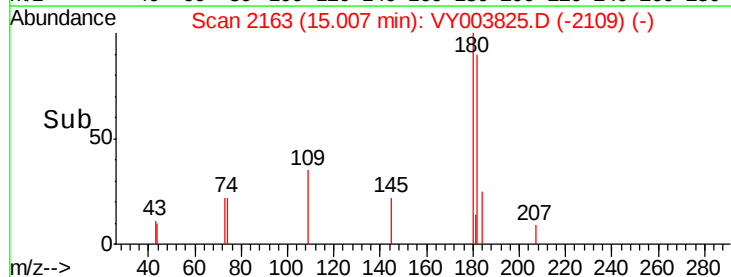
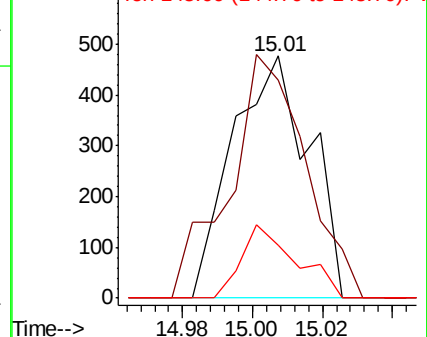
145 21.5 23.7 35.5#

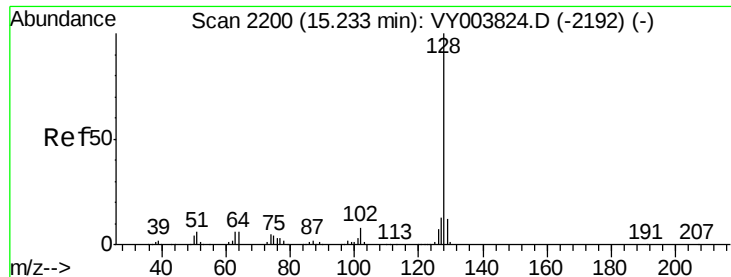


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 0.184 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VY003825.D

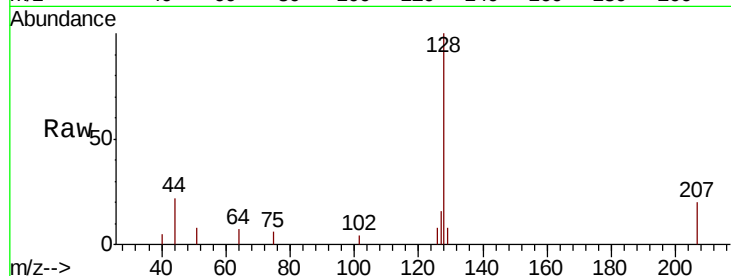
Acq: 19 Dec 2020 11:43

Instrument :

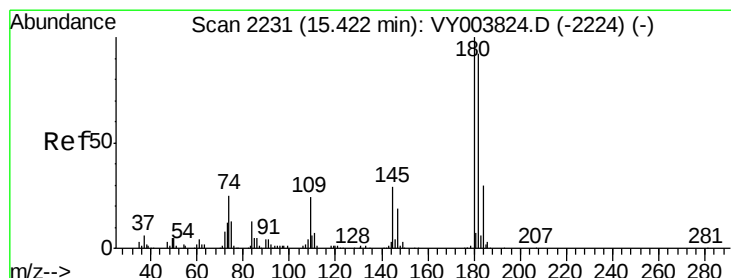
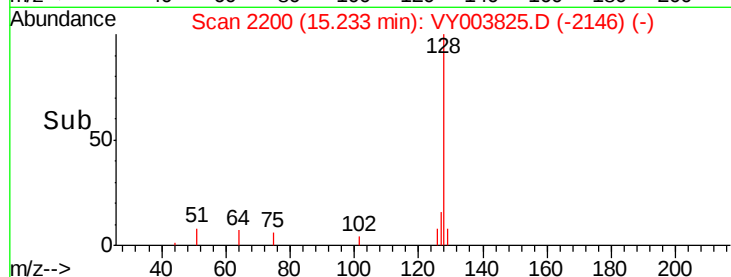
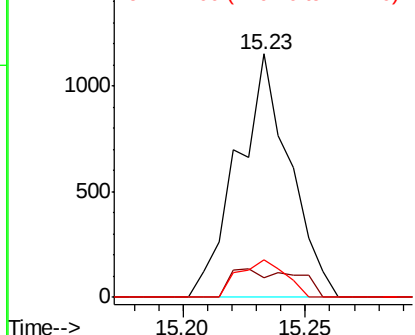
MSVOA_Y

ClientSampleId :

Tot Ion:128	Resp:	1713
Ion	Ratio	Lower Upper
128	100	
129	7.1	8.6 12.8#
127	13.7	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: 0.208 ug/L

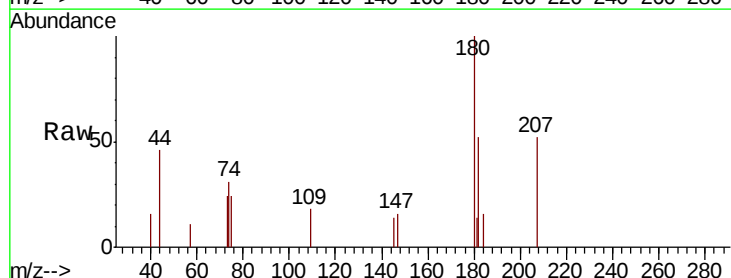
RT: 15.43 min Scan# 2232

Delta R.T. 0.01 min

Lab File: VY003825.D

Acq: 19 Dec 2020 11:43

Tgt Ion:180	Resp:	771
Ion	Ratio	Lower Upper
180	100	
182	0.0	77.0 115.6#
145	6.0	25.0 37.6#



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

