

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
 Data File : VY003761.D
 Acq On : 14 Dec 2020 20:20
 Operator : SY/MD
 Sample : L5063-08RE
 Misc : 4.78G/10ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COAEORE

Quant Time: Dec 15 03:42:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 03:40:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	144885	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	111688	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	34659	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	55282	27.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.84%
7) Chloroethane-d5	2.77	69	42779	29.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.08%
10) 1,1-Dichloroethene-d2	3.86	63	79865	19.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.88%
20) 2-Butanone-d5	6.90	46	39945	46.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.72%
24) Chloroform-d	7.48	84	99900	26.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	8.15	65	58967	27.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.84%
29) Benzene-d6	8.12	84	200538	31.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	124.08%
33) 1,2-Dichloropropane-d6	9.12	67	60527	30.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.28%#
37) Toluene-d8	10.18	98	157975	27.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.00%
38) trans-1,3-Dichloropropene-	10.43	79	27945	28.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	113.92%
39) 2-Hexanone-d5	10.79	63	27318	49.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.42%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	39210	22.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.12%
61) 1,2-Dichlorobenzene-d4	13.72	152	31627	25.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.60%

Target Compounds

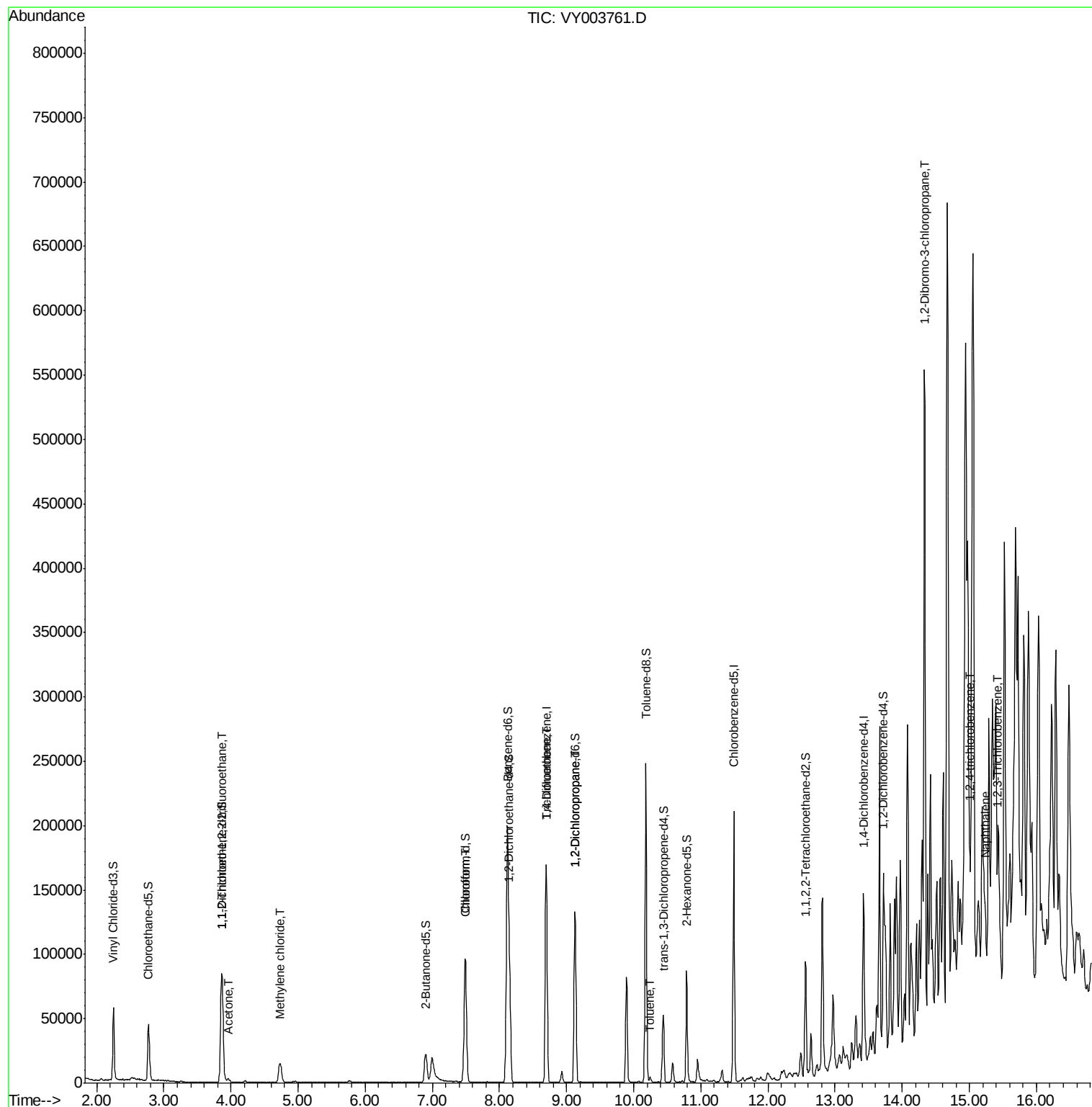
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	3.86	101	679	0.322	ug/L #	19
13) Acetone	3.97	43	4292	7.225	ug/L	100
16) Methylene chloride	4.73	84	11259	4.329	ug/L	92
25) Chloroform	7.50	83	938	0.254	ug/L #	1
35) Trichloroethene	8.69	95	4515	2.367	ug/L #	4
40) 1,2-Dichloropropane	9.13	63	6813	3.699	ug/L #	87
44) Toluene	10.25	91	3001	0.398	ug/L	89
66) 1,2-Dibromo-3-chloropropan	14.33	75	2151	10.579	ug/L #	1
68) 1,2,4-trichlorobenzene	15.01	180	647	0.486	ug/L #	1
69) Naphthalene	15.23	128	18215	5.999	ug/L #	76
70) 1,2,3-Trichlorobenzene	15.42	180	314	0.259	ug/L #	1

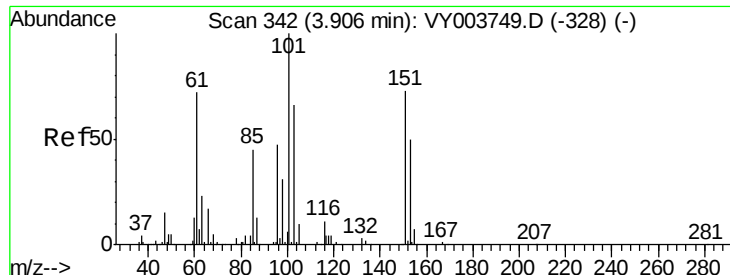
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

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

Concen: 0.322 ug/L

RT: 3.86 min Scan# 335

Delta R.T. -0.04 min

Lab File: VY003761.D

Acq: 14 Dec 2020 20:20

Instrument :

MSVOA_Y

ClientSampleId :

COAEORE

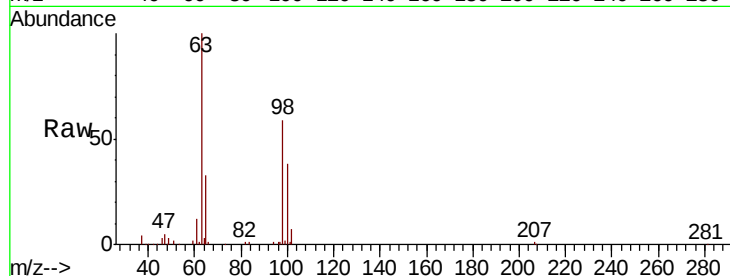
Tot Ion:101 Resp: 679

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

3.86

400

300

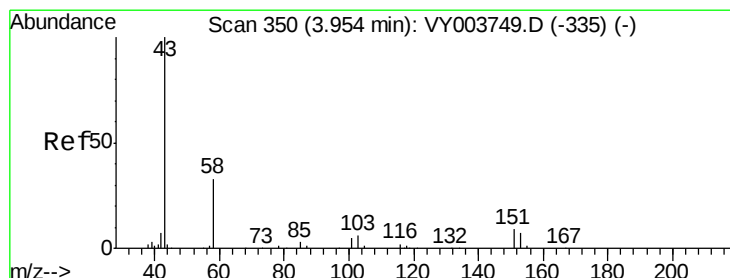
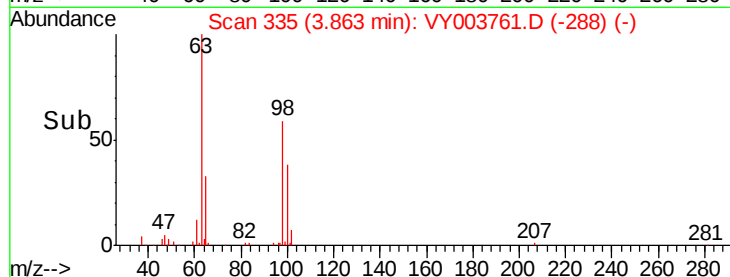
200

100

0

3.85 3.90

Time-->



#13

Acetone

Concen: 7.225 ug/L

RT: 3.97 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003761.D

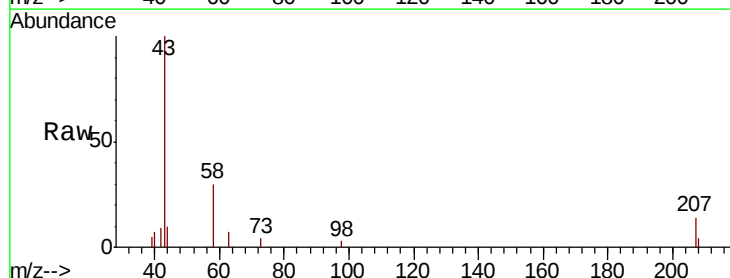
Acq: 14 Dec 2020 20:20

Tgt Ion: 43 Resp: 4292

Ion Ratio Lower Upper

43 100

58 32.6 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.97

1500

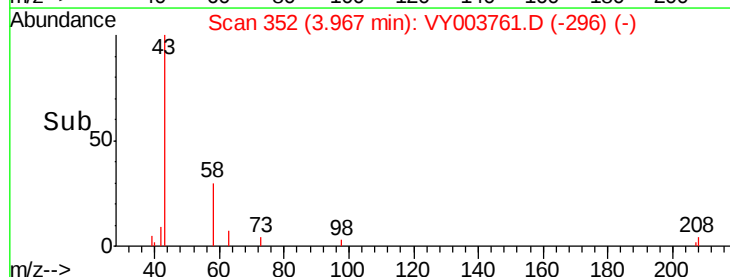
1000

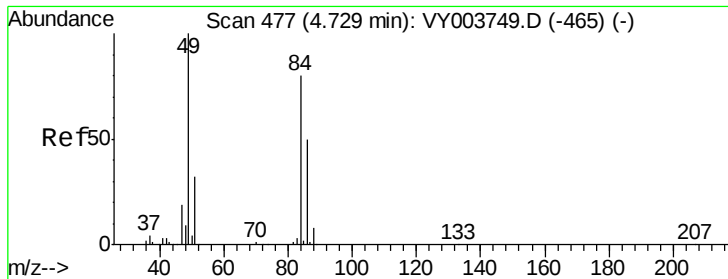
500

0

3.90 3.95 4.00 4.05

Time-->

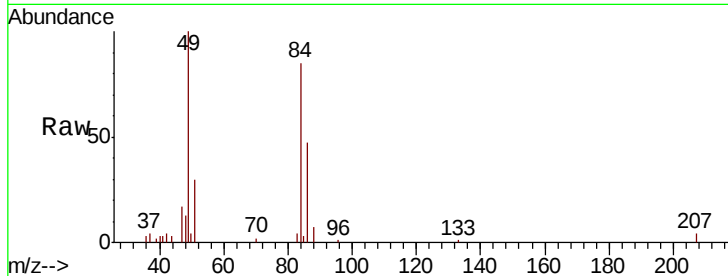




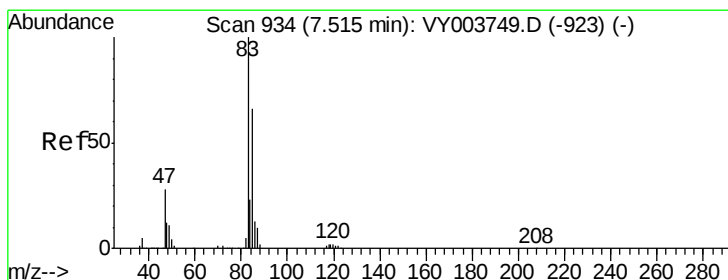
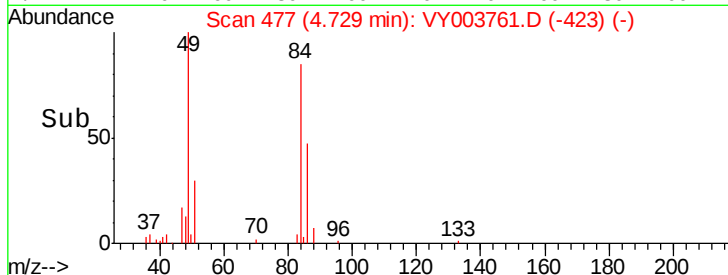
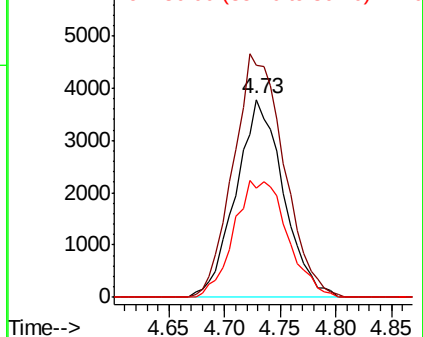
#16
Methvlene chloride
Concen: 4.329 ug/L
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VY003761.D
Acq: 14 Dec 2020 20:20

Instrument :
MSVOA_Y
ClientSampleId :
COAEORE

Tot Ion: 84 Resp: 11259
Ion Ratio Lower Upper
84 100
49 117.1 88.2 163.8
86 55.4 43.0 79.8

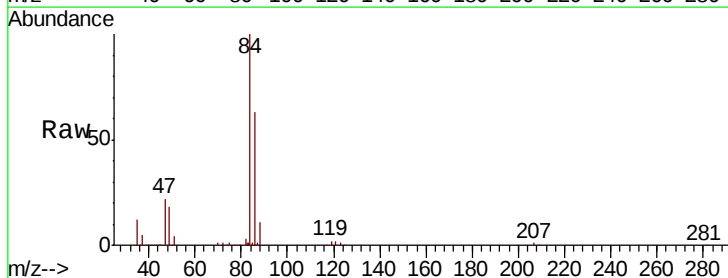


Abundance Ion 84.00 (83.70 to 84.70): VY0
Ion 49.00 (48.70 to 49.70): VY0
Ion 86.00 (85.70 to 86.70): VY0

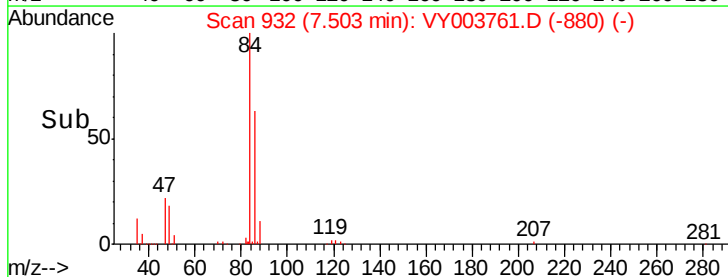
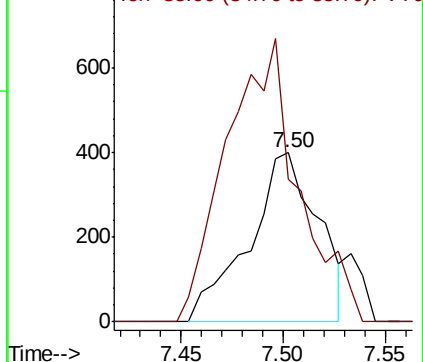


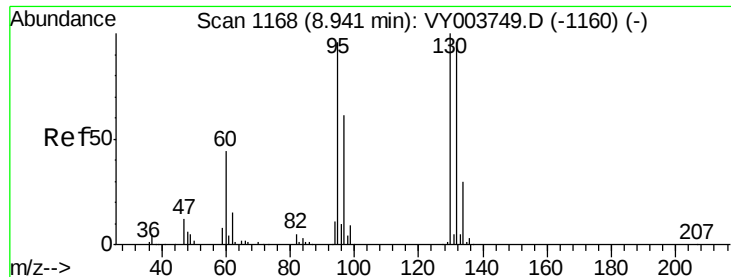
#25
Chloroform
Concen: 0.254 ug/L
RT: 7.50 min Scan# 932
Delta R.T. -0.01 min
Lab File: VY003761.D
Acq: 14 Dec 2020 20:20

Tgt Ion: 83 Resp: 938
Ion Ratio Lower Upper
83 100
85 165.9 46.5 86.3#



Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 85.00 (84.70 to 85.70): VY0





#35

Trichloroethene

Concen: 2.367 ug/L

RT: 8.69 min Scan# 1127

Delta R.T. -0.25 min

Lab File: VY003761.D

Acq: 14 Dec 2020 20:20

Instrument :

MSVOA_Y

ClientSampleId :

COAEORE

Tot Ion: 95 Resp: 4515

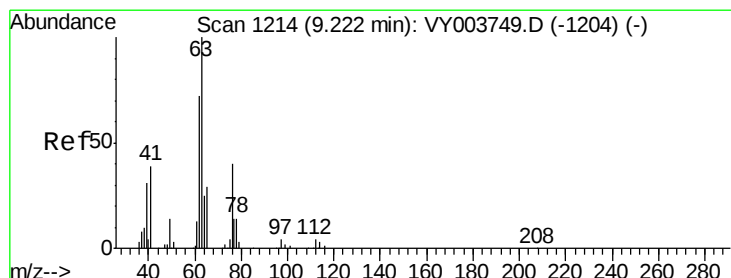
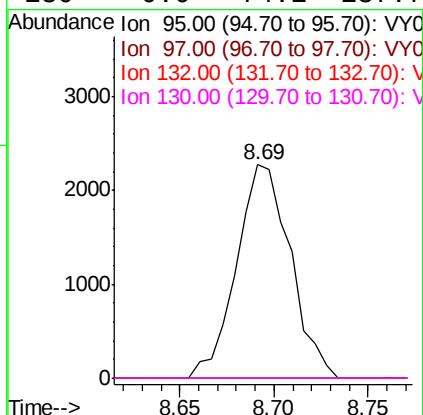
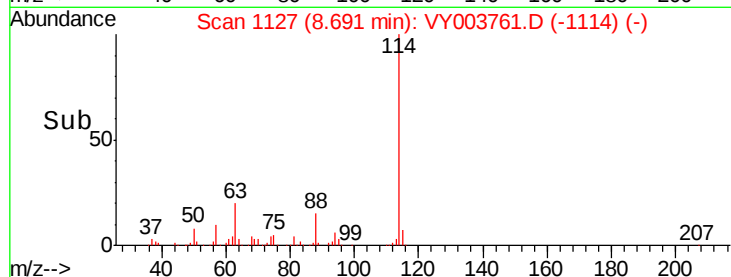
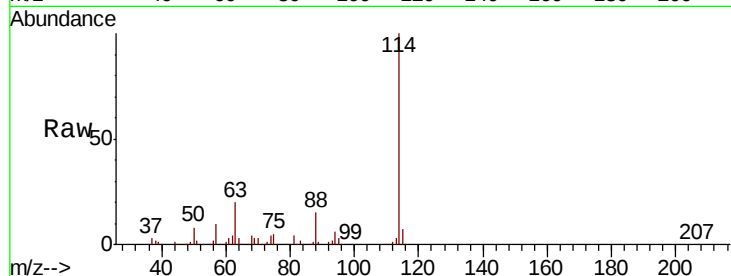
Ion Ratio Lower Upper

95 100

97 0.0 45.4 84.4#

132 1.3 70.8 131.4#

130 0.0 74.1 137.7#



#40

1,2-Dichloropropane

Concen: 3.699 ug/L

RT: 9.13 min Scan# 1199

Delta R.T. -0.09 min

Lab File: VY003761.D

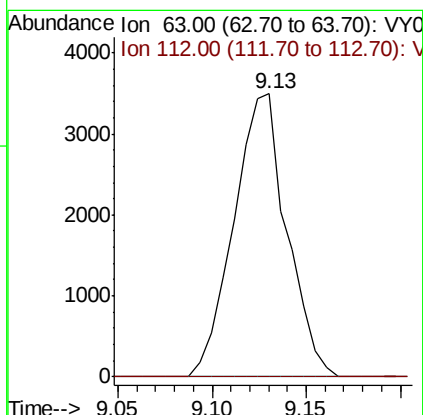
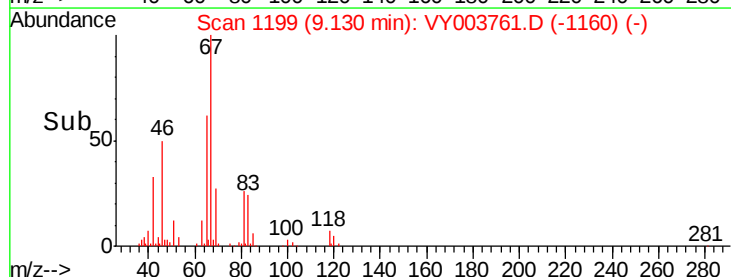
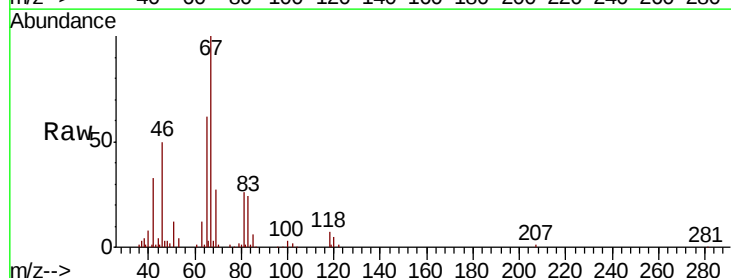
Acq: 14 Dec 2020 20:20

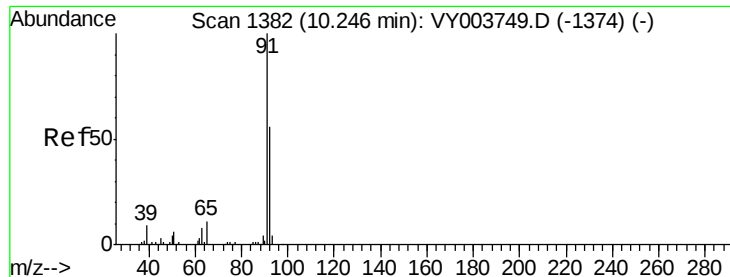
Tgt Ion: 63 Resp: 6813

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#





#44

Toluene

Concen: 0.398 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003761.D

Acq: 14 Dec 2020 20:20

Instrument :

MSVOA_Y

ClientSampleId :

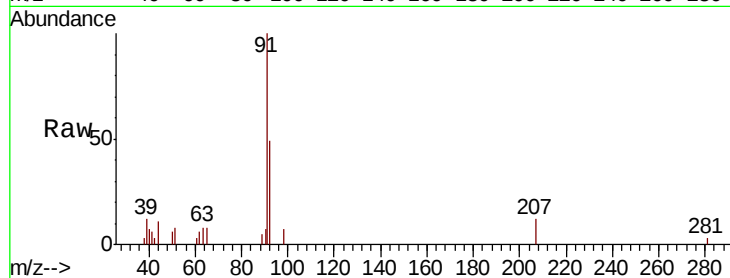
COAEORE

Tot Ion: 91 Resp: 3001

Ion Ratio Lower Upper

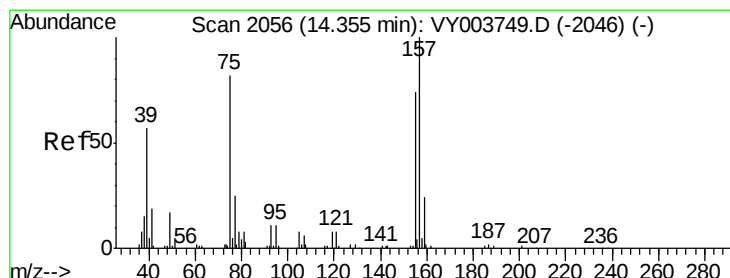
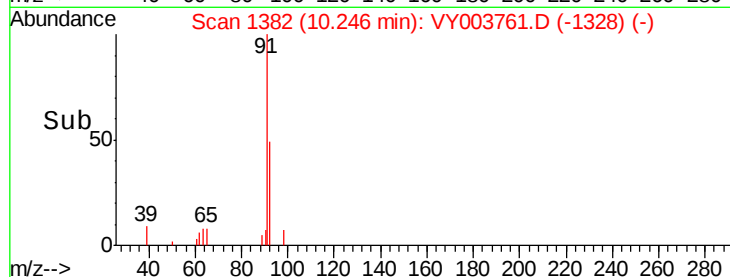
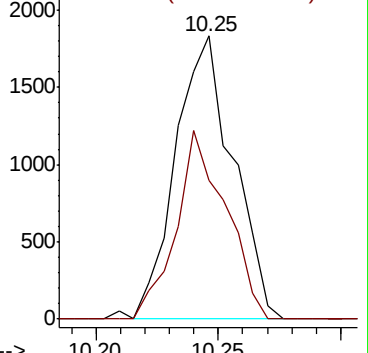
91 100

92 48.9 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0



#66

1,2-Dibromo-3-chloropropane

Concen: 10.579 ug/L

RT: 14.33 min Scan# 2052

Delta R.T. -0.02 min

Lab File: VY003761.D

Acq: 14 Dec 2020 20:20

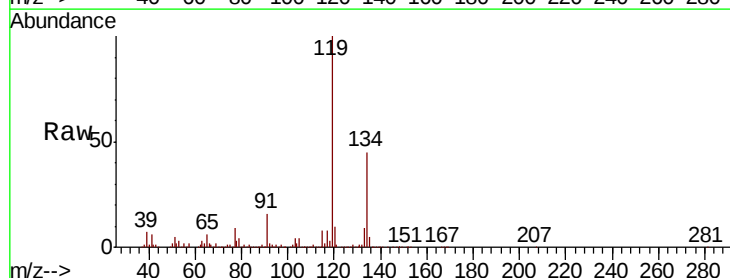
Tgt Ion: 75 Resp: 2151

Ion Ratio Lower Upper

75 100

157 0.0 93.8 140.8#

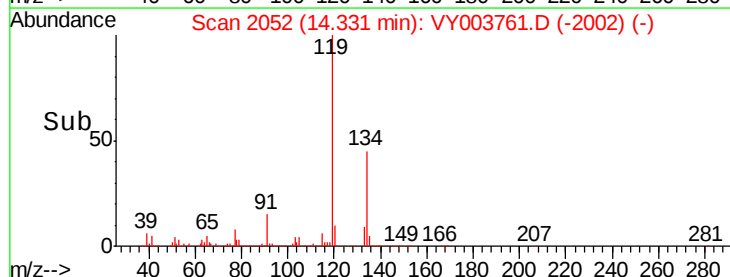
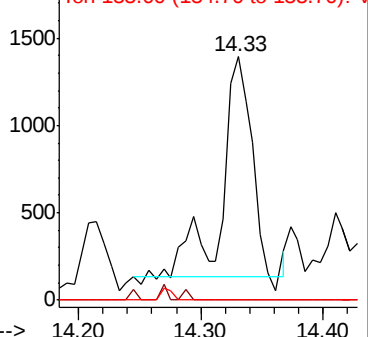
155 0.0 70.9 106.3#

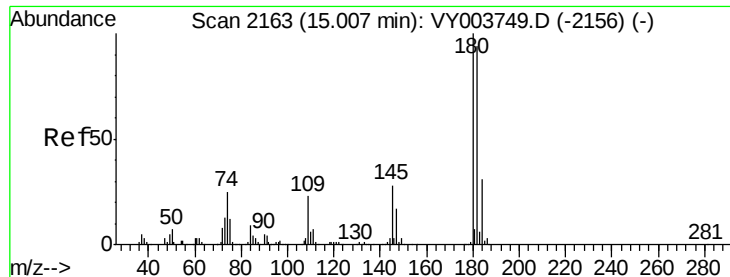


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

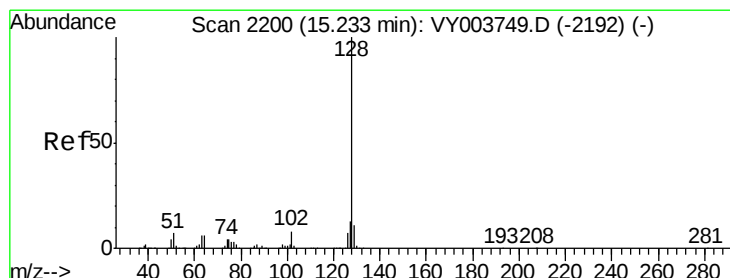
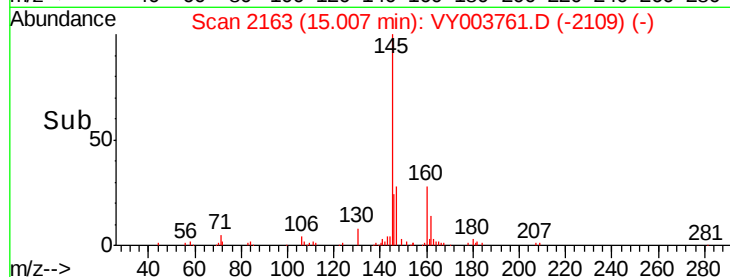
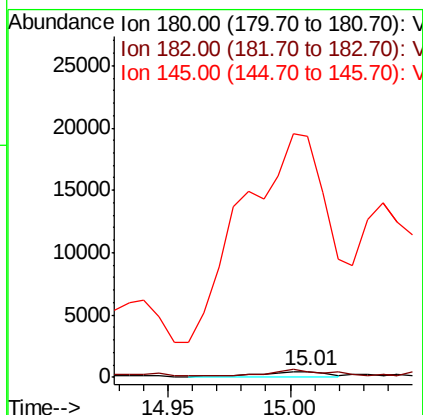
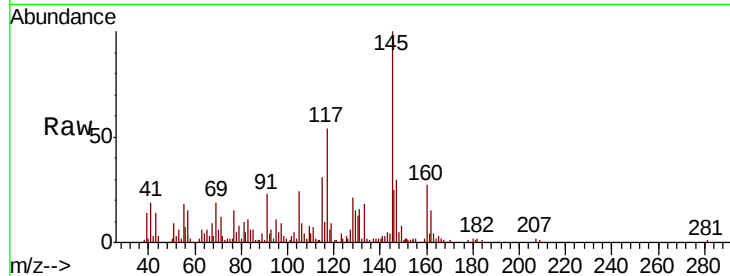




#68
 1,2,4-trichlorobenzene
 Concen: 0.486 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VY003761.D
 Acq: 14 Dec 2020 20:20

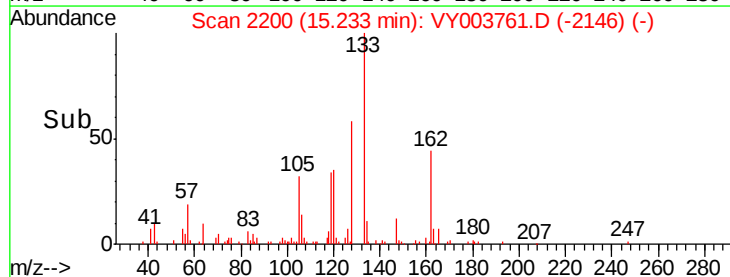
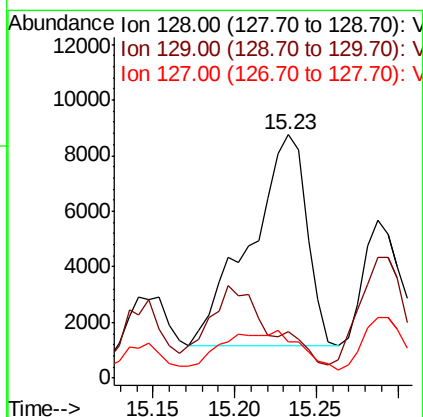
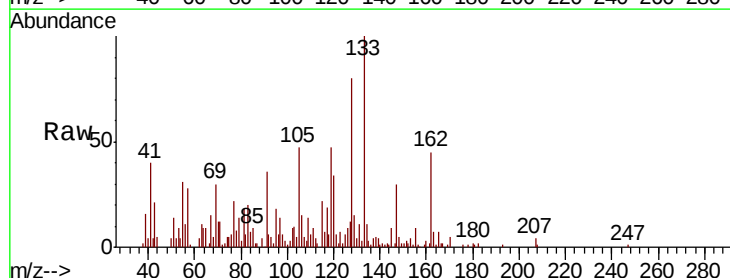
Instrument :
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 ClientSampleId :
 COAEORE

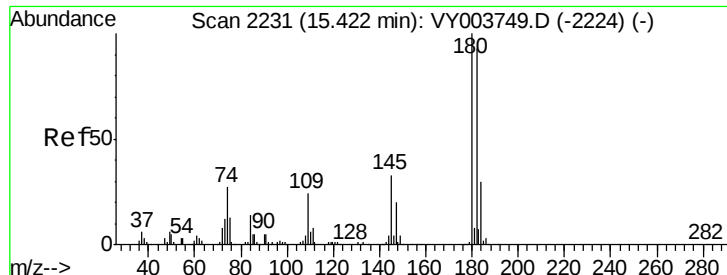
Tot Ion:180 Resp: 647
 Ion Ratio Lower Upper
 180 100
 182 115.0 76.8 115.2
 145 4690.3 23.7 35.5#



#69
 Naphthalene
 Concen: 5.999 ug/L
 RT: 15.23 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY003761.D
 Acq: 14 Dec 2020 20:20

Tgt Ion:128 Resp: 18215
 Ion Ratio Lower Upper
 128 100
 129 5.6 8.6 12.8#
 127 0.0 10.2 15.4#





#70

1,2,3-Trichlorobenzene

Concen: 0.259 ug/L

RT: 15.42 min Scan# 2230

Delta R.T. -0.01 min

Lab File: VY003761.D

Acq: 14 Dec 2020 20:20

Instrument :

MSVOA_Y

ClientSampleId :

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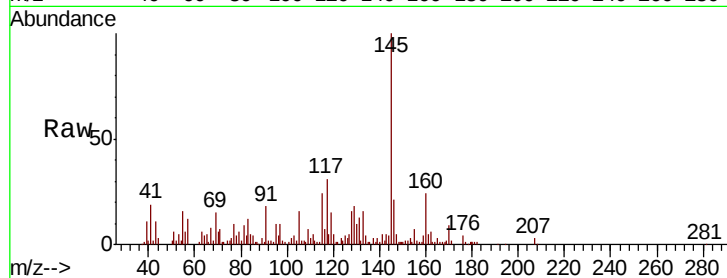
Tot Ion:180 Resp: 314

Ion Ratio Lower Upper

180 100

182 135.4 77.0 115.6#

145 14455.1 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

