

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081020\
 Data File : VX017859.D
 Acq On : 10 Aug 2020 18:58
 Operator : JC/SP
 Sample : L3600-12MSD
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GAYA5MS

Quant Time: Aug 11 07:17:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 11 07:12:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.84	114	297472	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	256620	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	120102	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	82155	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.69	69	78192	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.34	63	167042	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	4.54	46	336221	61.59	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.18%
24) Chloroform-d	5.14	84	181226	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	6.04	65	116782	5.10	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	6.05	84	323806	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	7.37	67	119883	5.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.20%
41) Toluene-d8	8.70	98	271239	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
45) trans-1,3-Dichloropropene-	8.99	79	45125	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
48) 2-Hexanone-d5	9.43	63	259010	66.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.16%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	108967	6.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	131.60%#
65) 1,2-Dichlorobenzene-d4	12.36	152	122653	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

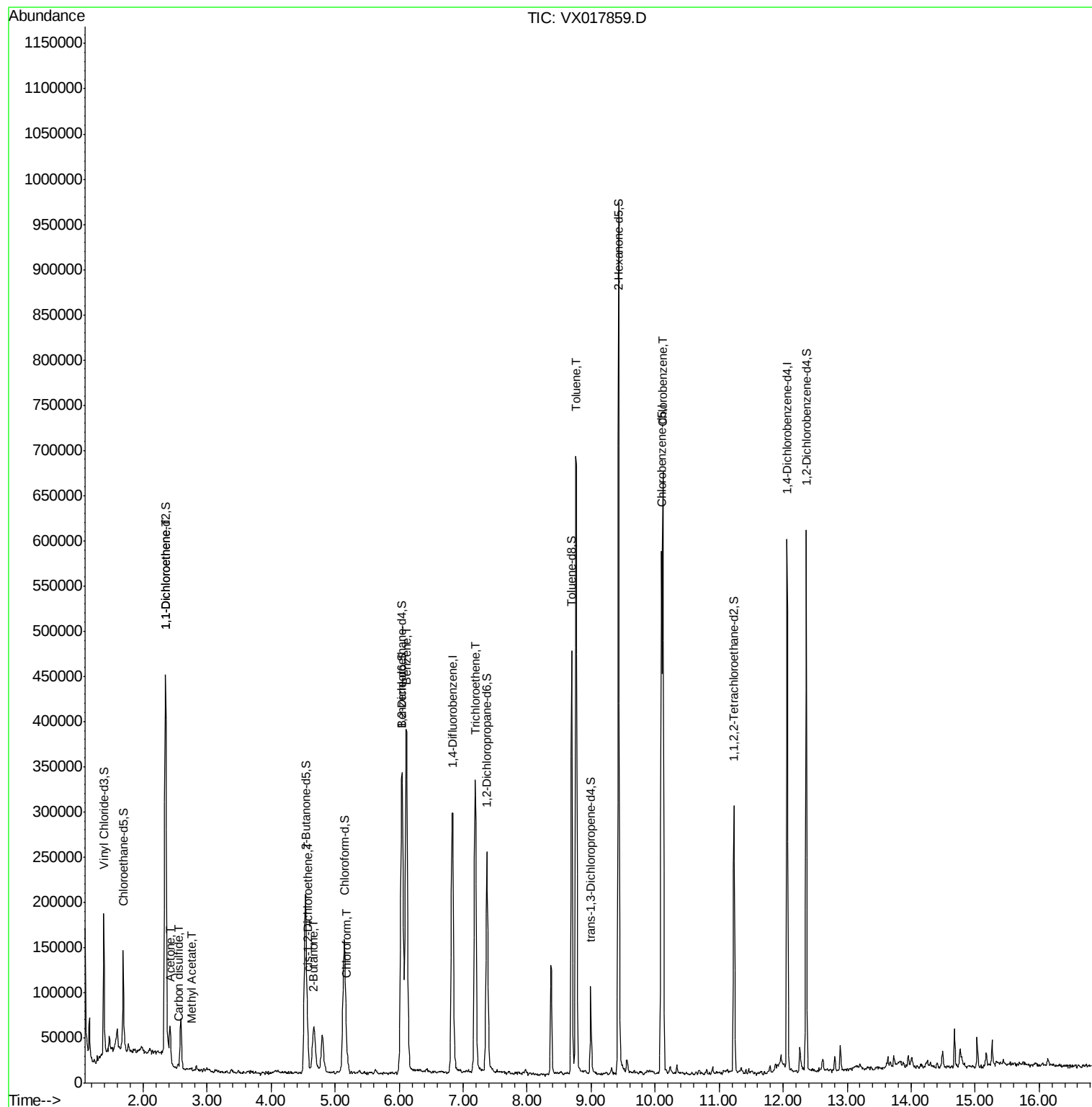
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.36	96	98129	4.304	ug/L	99
13) Acetone	2.42	43	32259	8.088	ug/L	99
14) Carbon disulfide	2.56	76	5446	0.066	ug/L	96
15) Methyl Acetate	2.76	43	1327	0.113	ug/L #	68
21) 2-Butanone	4.65	43	9074	1.317	ug/L	92
22) cis-1,2-Dichloroethene	4.57	96	2347	0.086	ug/L #	60
25) Chloroform	5.18	83	18620	0.375	ug/L	85
33) Benzene	6.11	78	451286	4.967	ug/L	100
34) Trichloroethene	7.19	95	119679	4.513	ug/L	97
42) Toluene	8.77	91	452652	4.590	ug/L	98
53) Chlorobenzene	10.12	112	277076	4.316	ug/L	99

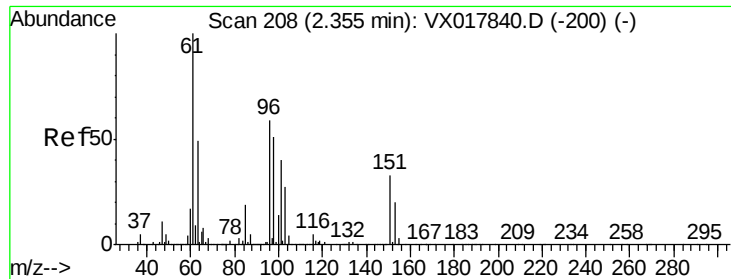
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.304 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX017859.D

Acq: 10 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

GAYA5MS

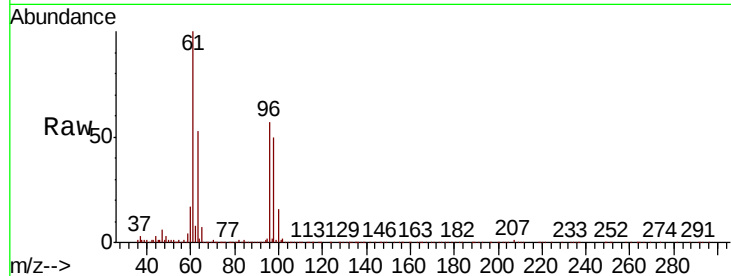
Tot Ion: 96 Resp: 98129

Ion Ratio Lower Upper

96 100

61 175.8 123.5 229.3

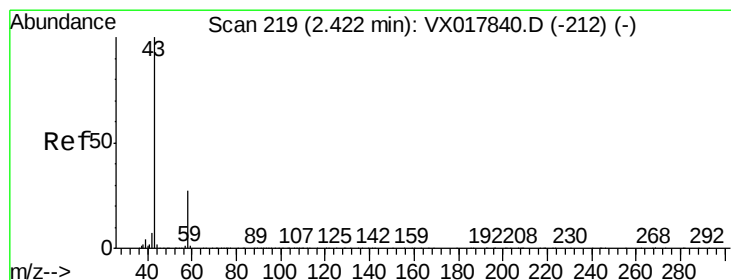
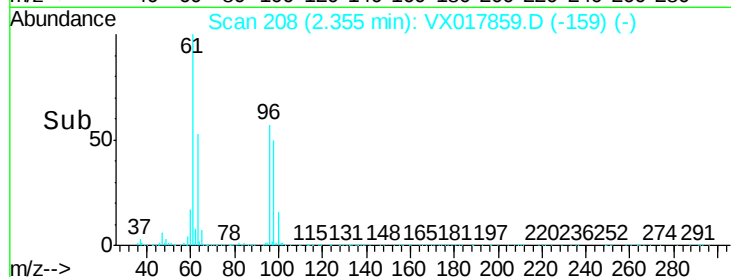
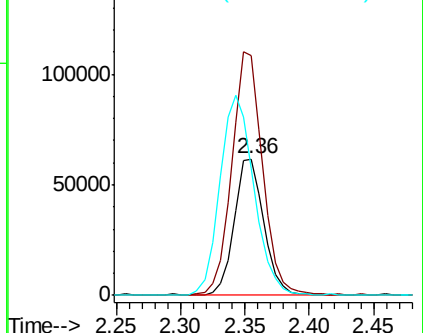
63 93.6 67.0 124.4



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0



#13

Acetone

Concen: 8.088 ug/L

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017859.D

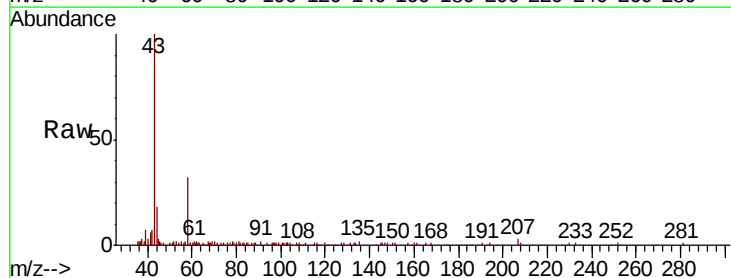
Acq: 10 Aug 2020 18:58

Tgt Ion: 43 Resp: 32259

Ion Ratio Lower Upper

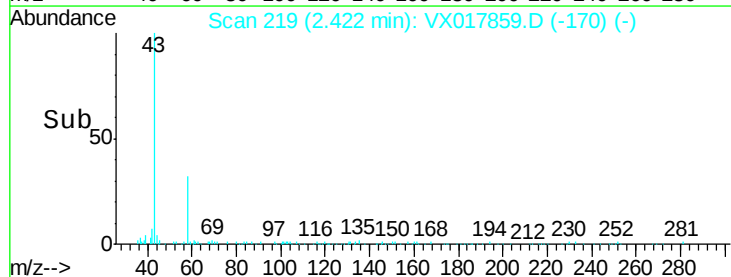
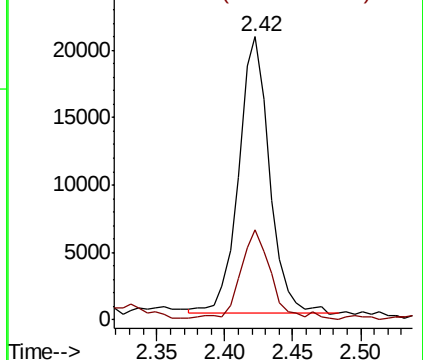
43 100

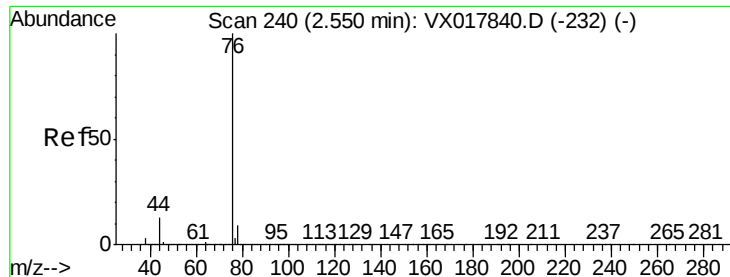
58 29.7 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0





#14

Carbon disulfide

Concen: 0.066 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017859.D

Acq: 10 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

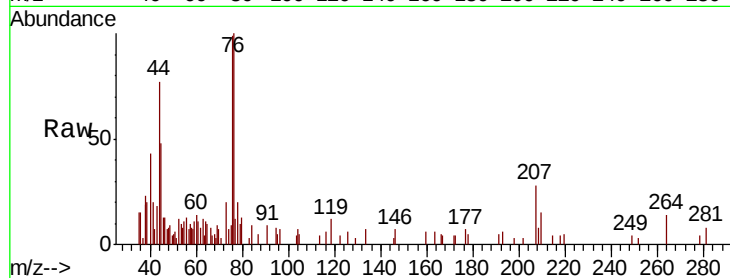
GAYA5MS

Tot Ion: 76 Resp: 5446

Ion Ratio Lower Upper

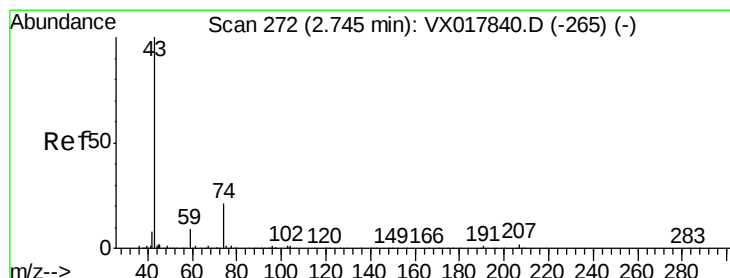
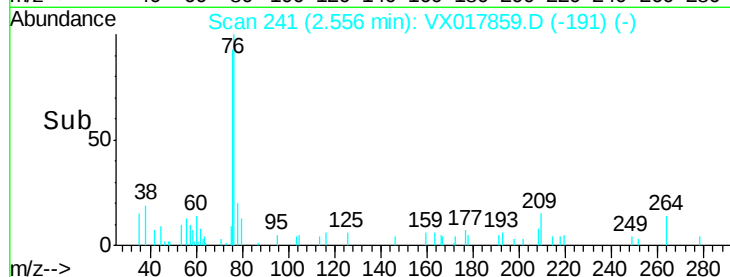
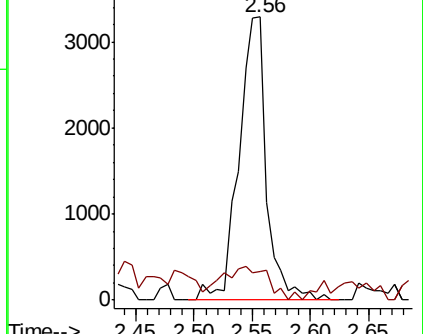
76 100

78 10.0 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0



#15

Methyl Acetate

Concen: 0.113 ug/L

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX017859.D

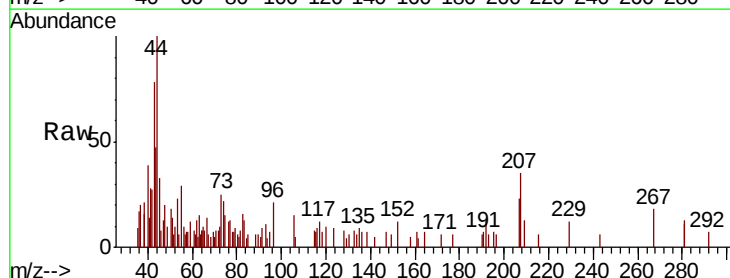
Acq: 10 Aug 2020 18:58

Tgt Ion: 43 Resp: 1327

Ion Ratio Lower Upper

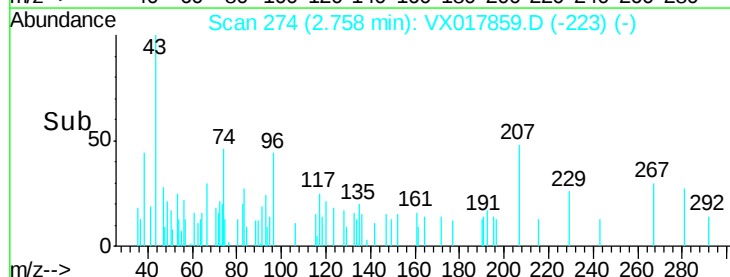
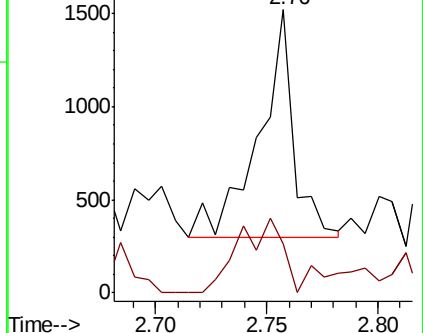
43 100

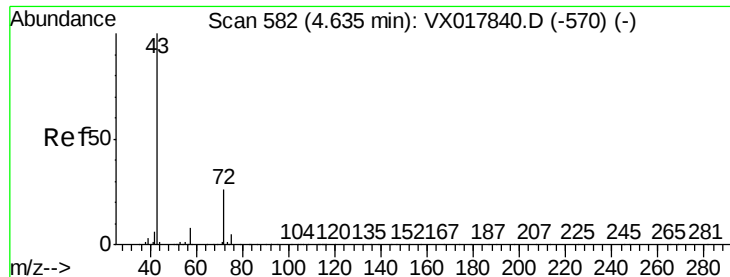
74 41.5 20.4 30.6#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0





#21

2-Butanone

Concen: 1.317 ug/L

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017859.D

Acq: 10 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

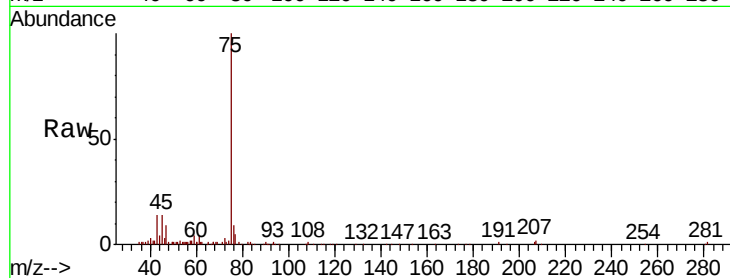
GAYA5MS

Tot Ion: 43 Resp: 9074

Ion Ratio Lower Upper

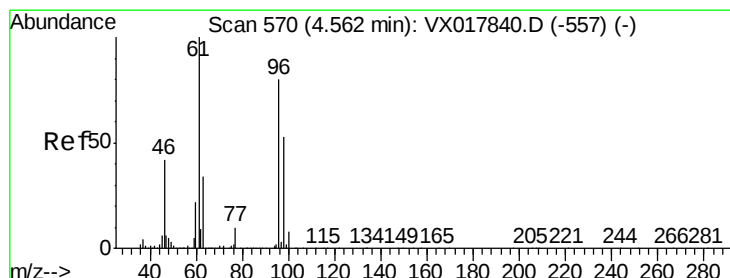
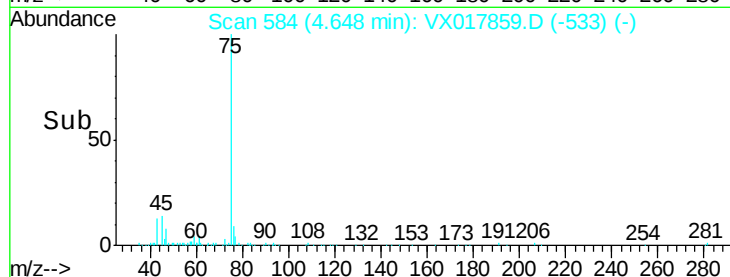
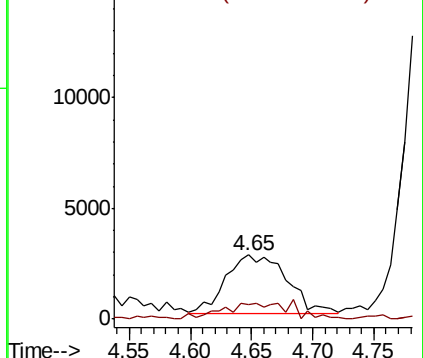
43 100

72 22.2 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 0.086 ug/L

RT: 4.57 min Scan# 572

Delta R.T. 0.01 min

Lab File: VX017859.D

Acq: 10 Aug 2020 18:58

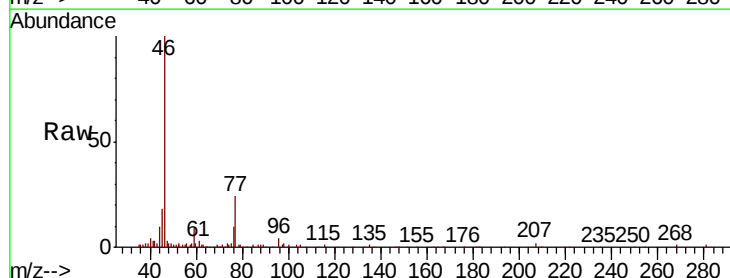
Tgt Ion: 96 Resp: 2347

Ion Ratio Lower Upper

96 100

61 81.0 88.8 165.0#

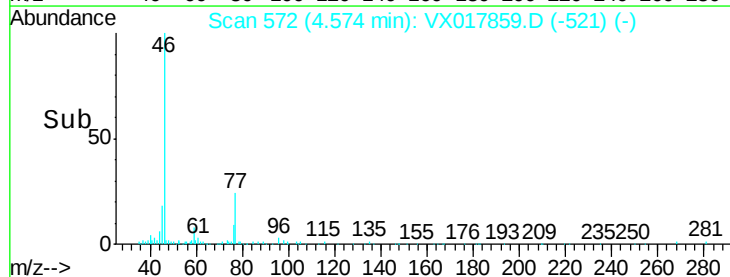
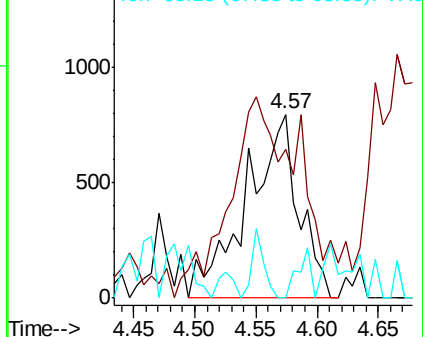
68 0.0 0.2 0.4#

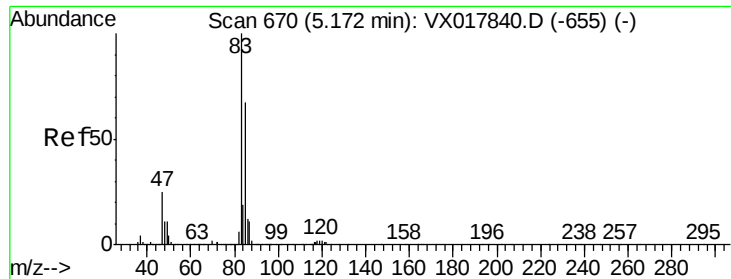


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 68.15 (67.85 to 68.85): VX0





#25

Chloroform

Concen: 0.375 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.01 min

Lab File: VX017859.D

Acq: 10 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

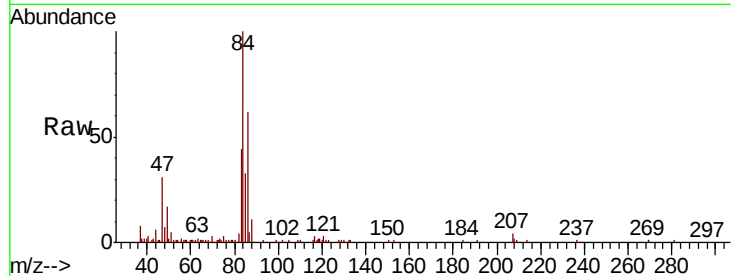
GAYA5MS

Tot Ion: 83 Resp: 18620

Ion Ratio Lower Upper

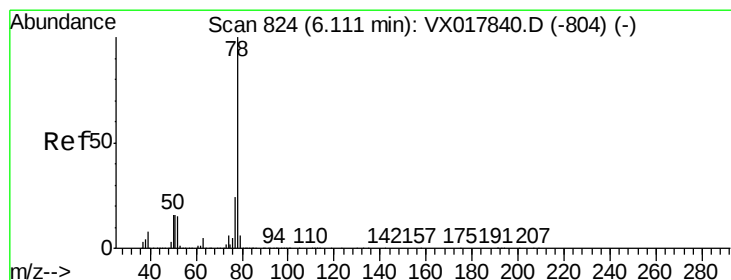
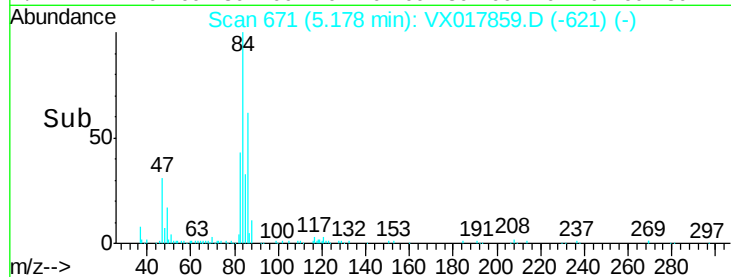
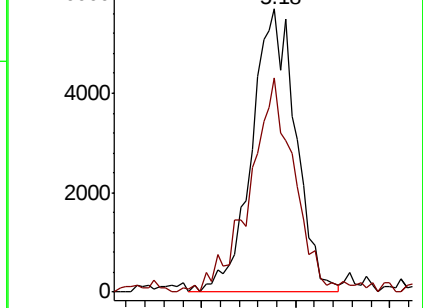
83 100

85 75.5 44.7 83.1



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0



#33

Benzene

Concen: 4.967 ug/L

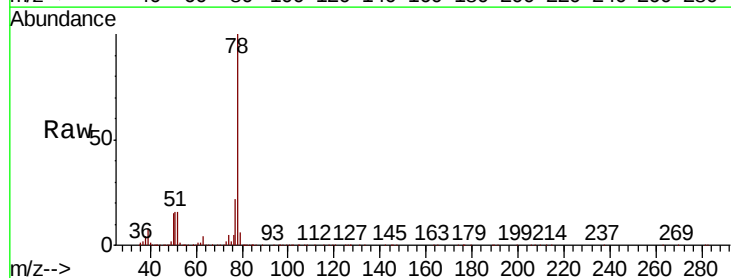
RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

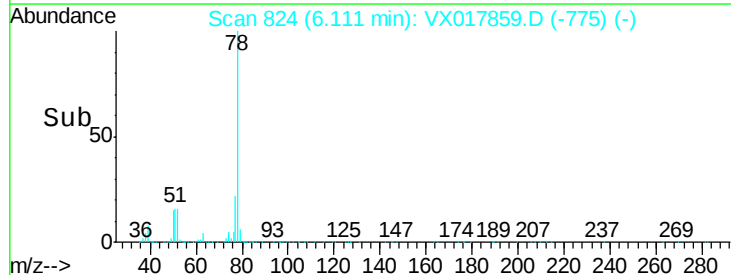
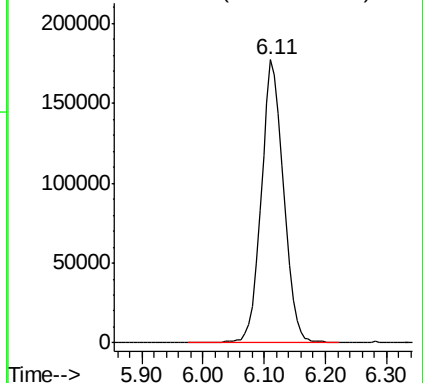
Lab File: VX017859.D

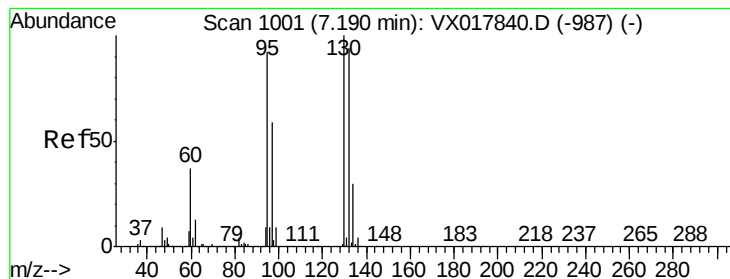
Acq: 10 Aug 2020 18:58

Tgt Ion: 78 Resp: 451286



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 4.513 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX017859.D

Acq: 10 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

GAYA5MS

Tot Ion: 95 Resp: 119679

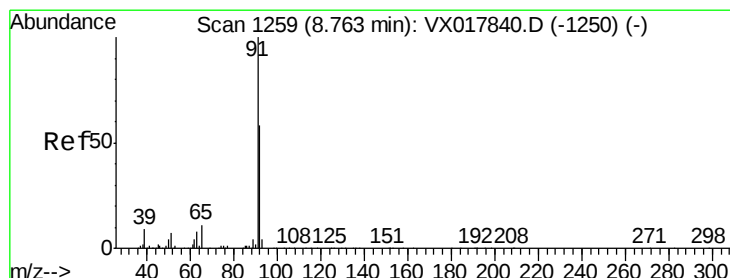
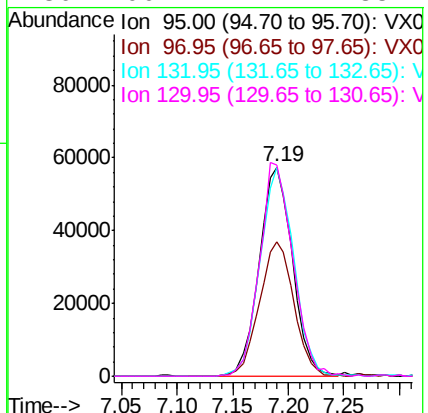
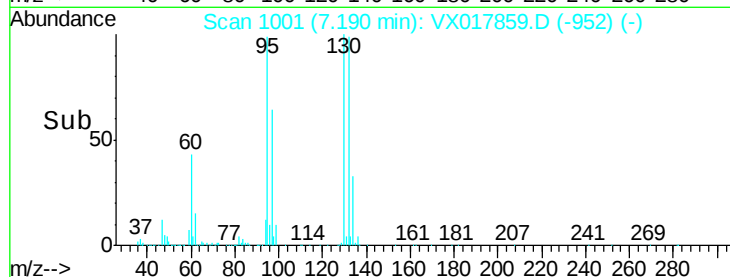
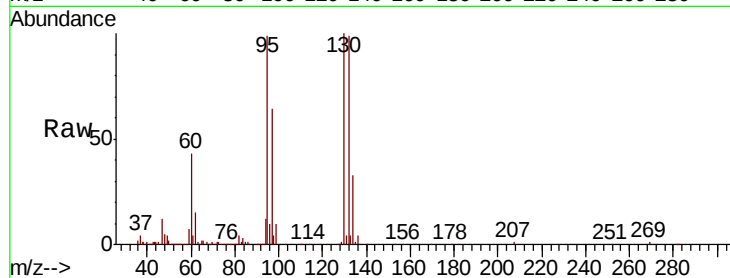
Ion Ratio Lower Upper

95 100

97 64.1 46.1 85.5

132 99.9 66.0 122.6

130 100.7 71.7 133.1



#42

Toluene

Concen: 4.590 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017859.D

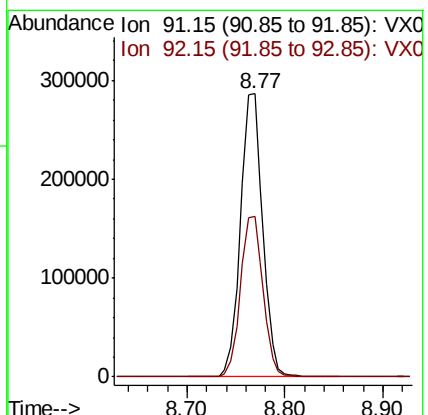
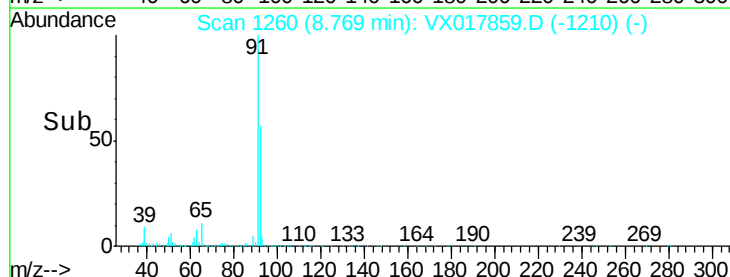
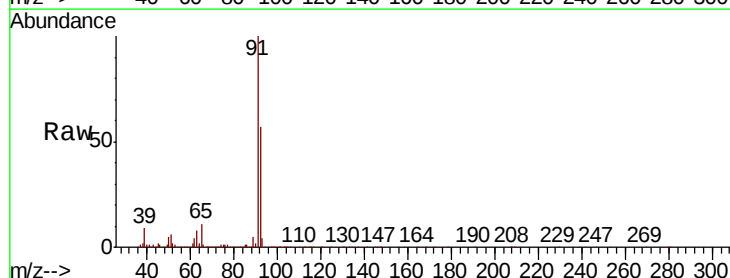
Acq: 10 Aug 2020 18:58

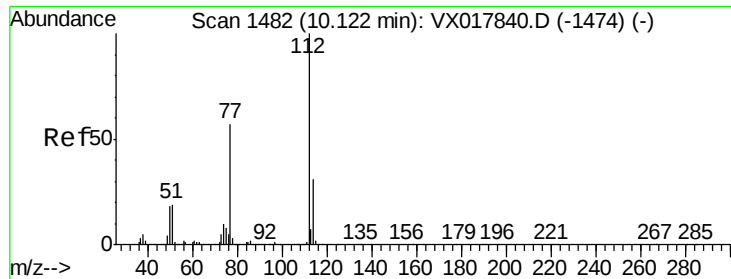
Tgt Ion: 91 Resp: 452652

Ion Ratio Lower Upper

91 100

92 56.7 38.8 72.0





#53

Chlorobenzene

Concen: 4.316 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017859.D

Acq: 10 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

GAYA5MS

Tot Ion:112 Resp: 277076

Ion Ratio Lower Upper

112 100

114 34.1 23.5 43.7

77 57.9 46.7 70.1

