

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO072220\
 Data File : VX017477.D
 Acq On : 22 Jul 2020 19:55
 Operator : JC/SP
 Sample : L3395-09MS
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GAY18MS

Quant Time: Jul 23 03:04:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 23 02:59:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	450066	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	414226	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	201260	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	139893	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.69	69	108937	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.34	63	286476	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.40%
20) 2-Butanone-d5	4.53	46	343727	52.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.12%
24) Chloroform-d	5.14	84	259541	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	6.03	65	145662	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	6.05	84	524979	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	7.37	67	163980	5.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.80%
41) Toluene-d8	8.70	98	465132	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
45) trans-1,3-Dichloropropene-	8.99	79	68438	5.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.40%
48) 2-Hexanone-d5	9.43	63	274215	58.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.96%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	118171	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	182916	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.35	96	142821	4.485	ug/L	96
13) Acetone	2.42	43	26326	4.989	ug/L	94
14) Carbon disulfide	2.55	76	95394	0.883	ug/L	99
15) Methyl Acetate	2.75	43	2428	0.158	ug/L #	87
18) trans-1,2-Dichloroethene	3.14	96	6322	0.186	ug/L	93
21) 2-Butanone	4.64	43	10567	1.257	ug/L	85
22) cis-1,2-Dichloroethene	4.56	96	18678	0.557	ug/L	73
30) Cyclohexane	5.54	56	12410	0.276	ug/L #	23
33) Benzene	6.11	78	743468	6.095	ug/L	100
34) Trichloroethene	7.19	95	178257	5.416	ug/L	98
35) Methylcyclohexane	7.44	83	9567	0.215	ug/L #	84
42) Toluene	8.76	91	968157	7.915	ug/L	98
43) 1,3,5-Trimethylbenzene	11.49	105	22658	0.199	ug/L	95
44) 1,2,4-Trimethylbenzene	11.79	105	85128	0.754	ug/L	99
53) Chlorobenzene	10.12	112	452656	5.439	ug/L	99
54) Ethylbenzene	10.24	91	118116	0.890	ug/L	96
55) m,p-xylene	10.34	106	130554	2.465	ug/L	95

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Quant Time: Jul 23 03:04:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 23 02:59:48 2020
Response via : Initial Calibration

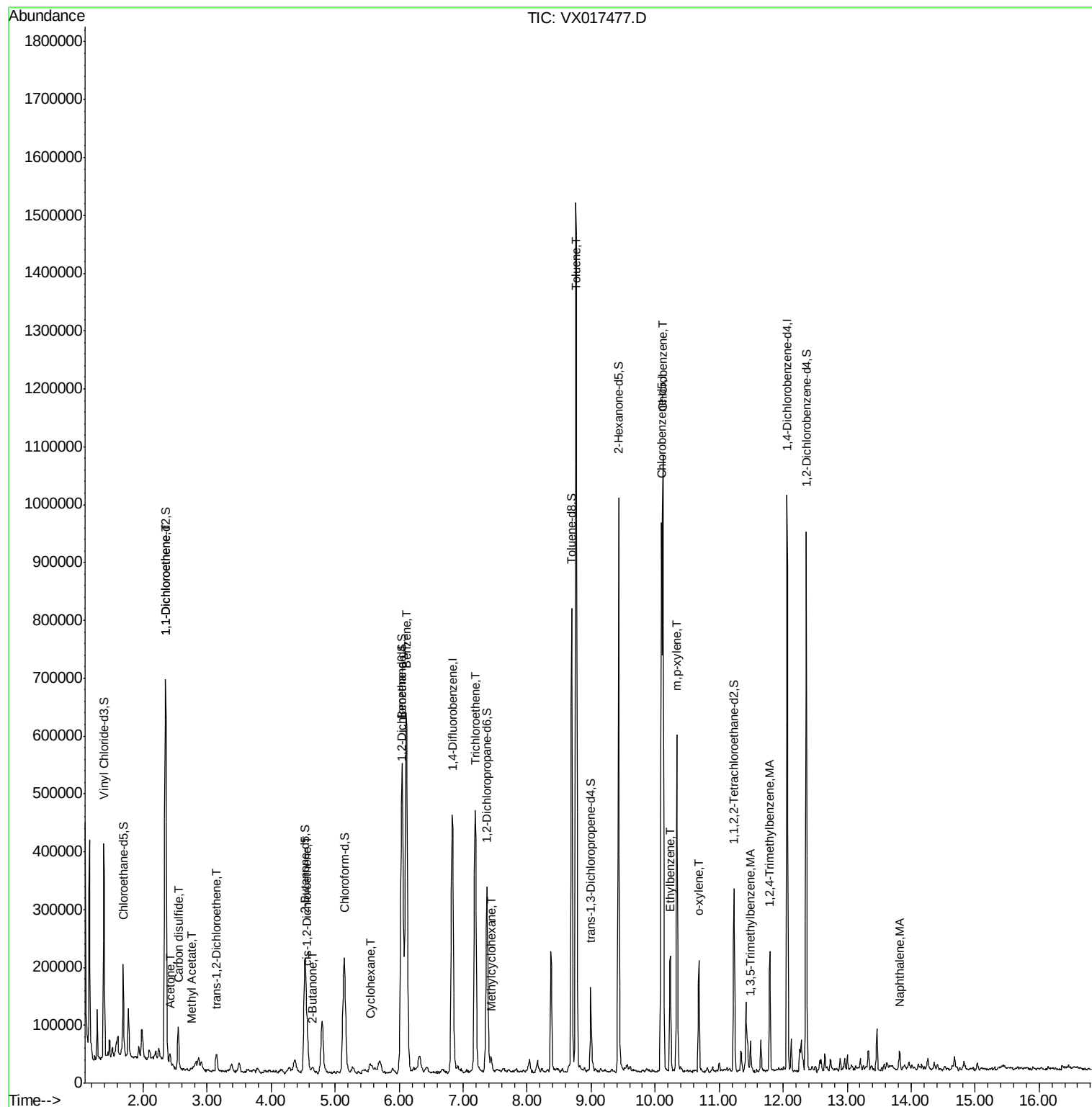
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
56) o-xylene	10.68	106	39924	0.777 ug/L	92
70) Naphthalene	13.82	128	21387	0.306 ug/L #	88

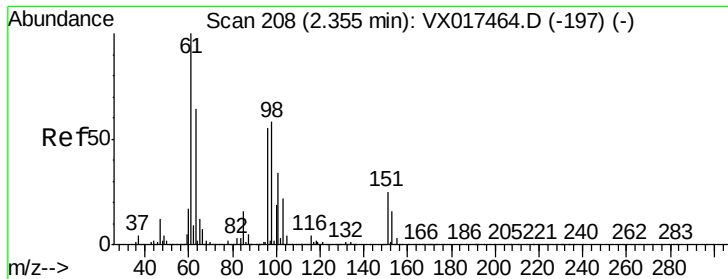
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072220\
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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 23 02:59:48 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.485 ug/L

RT: 2.35 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX017477.D

Acq: 22 Jul 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

GAY18MS

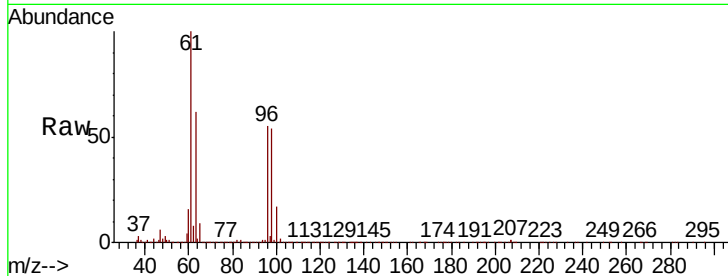
Tot Ion: 96 Resp: 142821

Ion Ratio Lower Upper

96 100

61 180.9 126.5 234.9

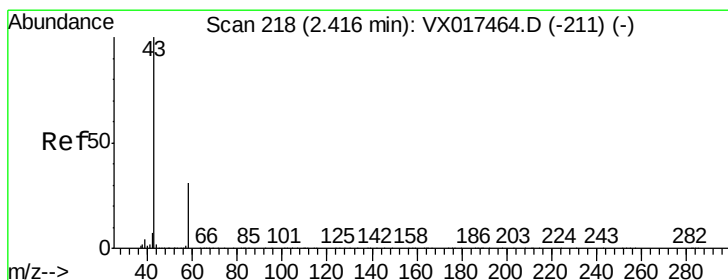
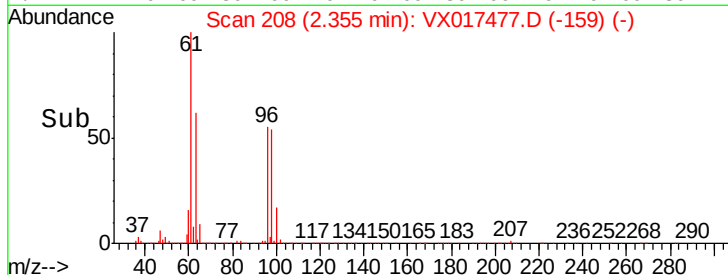
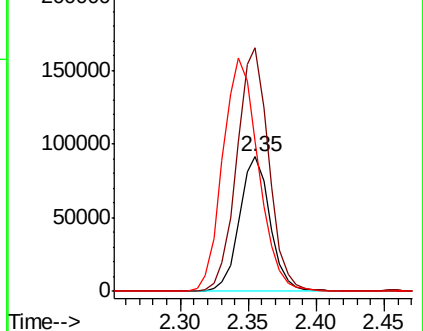
63 111.8 85.6 159.0



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: 4.989 ug/L

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX017477.D

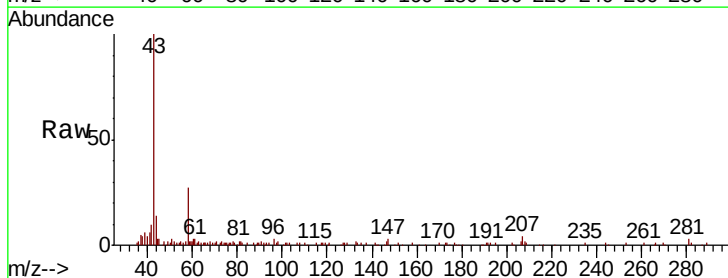
Acq: 22 Jul 2020 19:55

Tgt Ion: 43 Resp: 26326

Ion Ratio Lower Upper

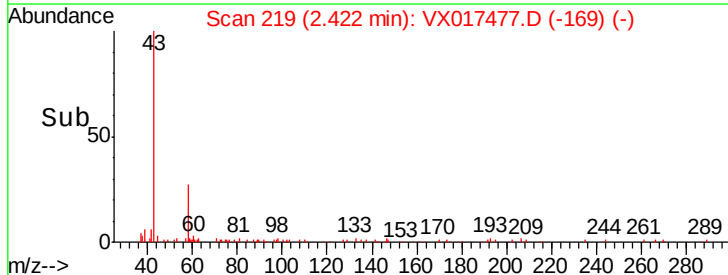
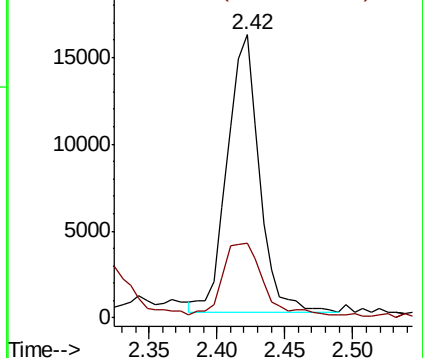
43 100

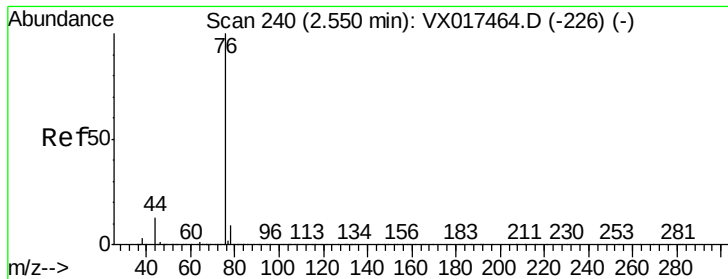
58 32.4 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0





#14

Carbon disulfide

Concen: 0.883 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017477.D

Acq: 22 Jul 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

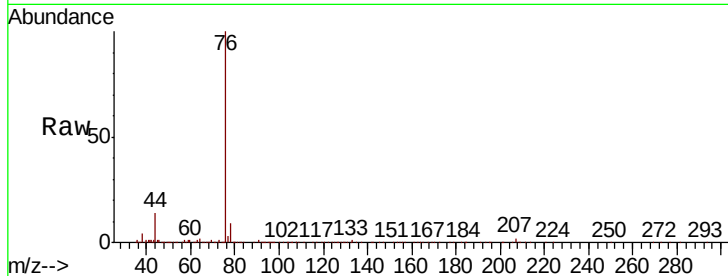
GAY18MS

Tot Ion: 76 Resp: 95394

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

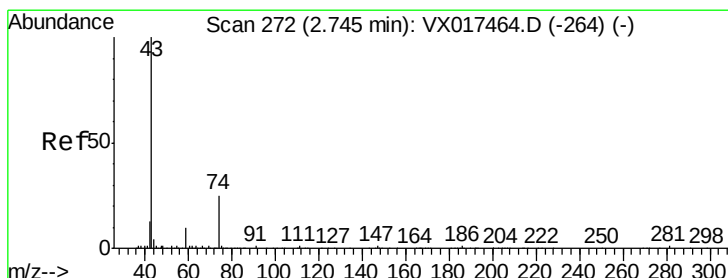
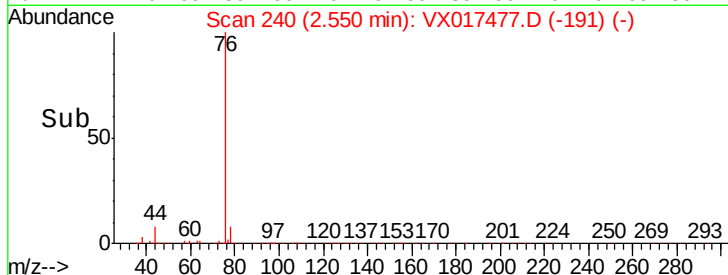
60000

40000

20000

0

Time-->



#15

Methyl Acetate

Concen: 0.158 ug/L

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017477.D

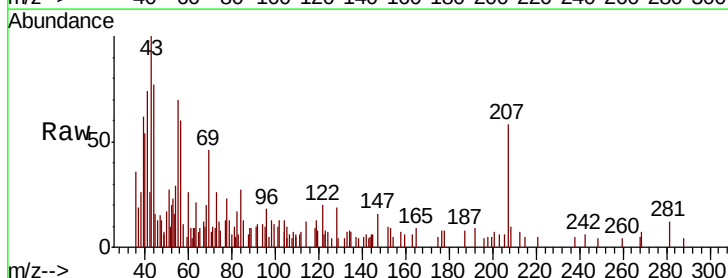
Acq: 22 Jul 2020 19:55

Tgt Ion: 43 Resp: 2428

Ion Ratio Lower Upper

43 100

74 15.7 17.6 26.4#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0

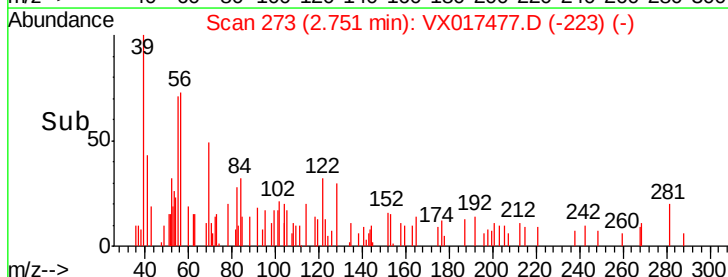
3000

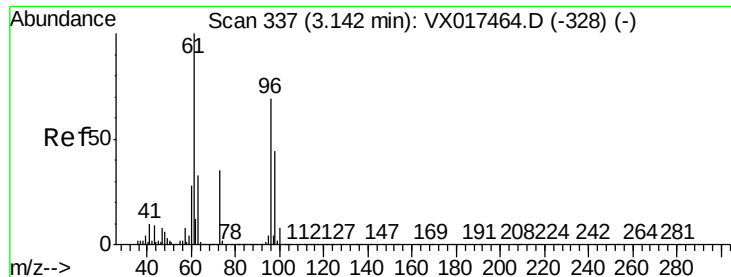
2000

1000

0

Time-->

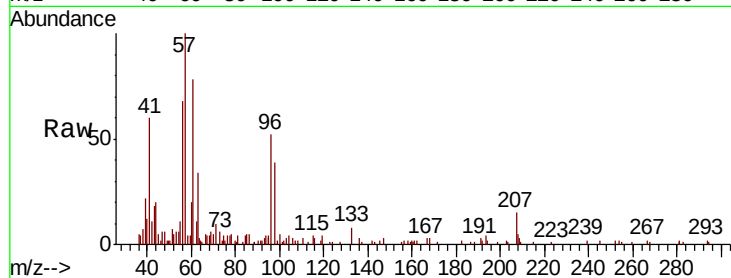




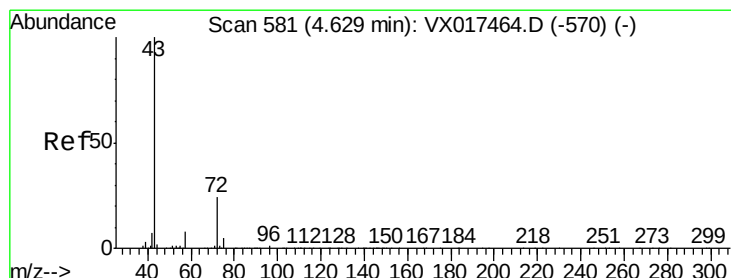
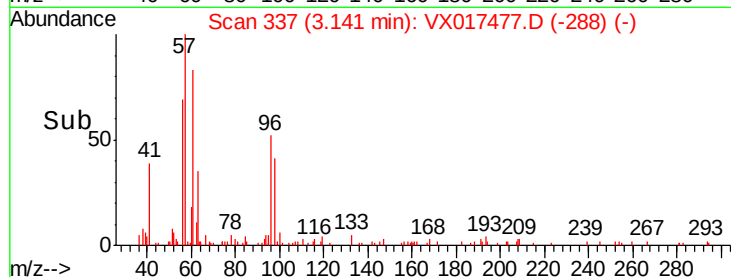
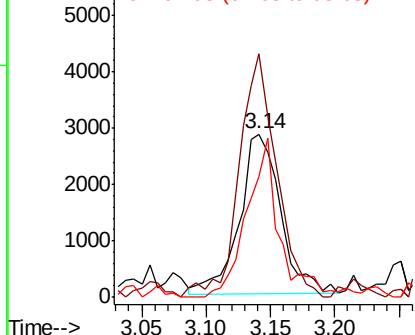
#18
trans-1,2-Dichloroethene
Concen: 0.186 ug/L
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX017477.D
Acq: 22 Jul 2020 19:55

Instrument :
MSVOA_X
ClientSampleId :
GAY18MS

Tot Ion: 96 Resp: 6322
Ion Ratio Lower Upper
96 100
61 149.2 99.8 185.4
98 74.0 46.4 86.2

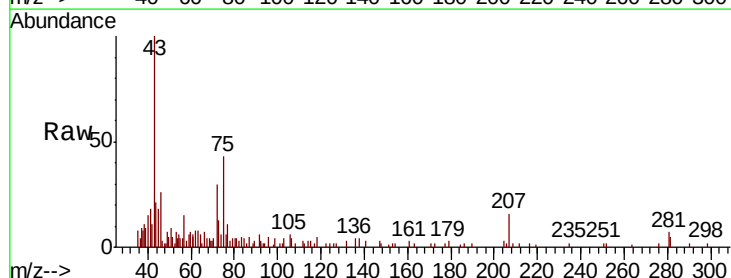


Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 97.95 (97.65 to 98.65): VX0

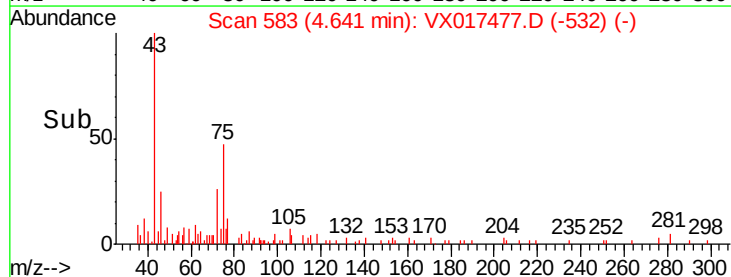
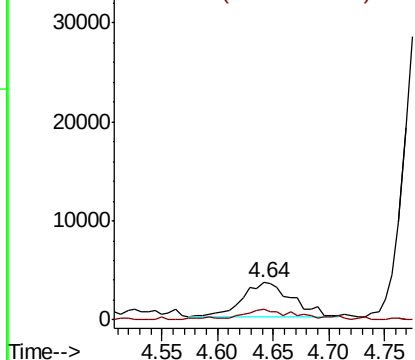


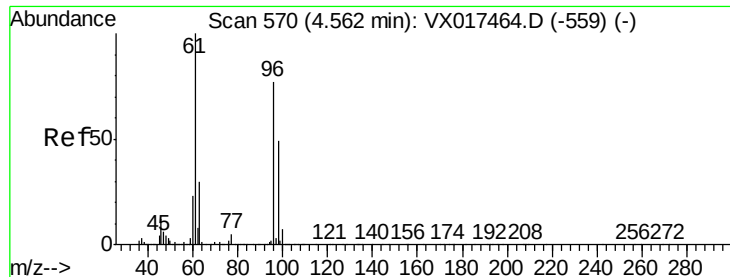
#21
2-Butanone
Concen: 1.257 ug/L
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017477.D
Acq: 22 Jul 2020 19:55

Tgt Ion: 43 Resp: 10567
Ion Ratio Lower Upper
43 100
72 31.7 12.1 36.3



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: 0.557 ug/L

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX017477.D

Acq: 22 Jul 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

GAY18MS

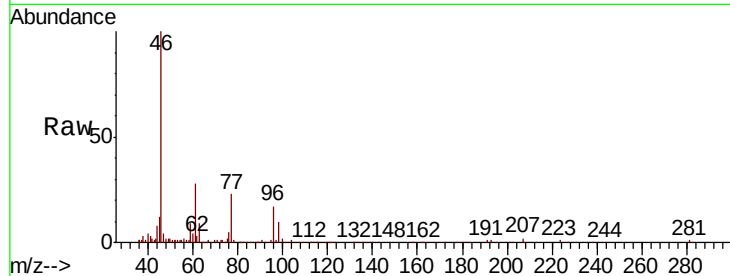
Tot Ion: 96 Resp: 18678

Ion Ratio Lower Upper

96 100

61 162.4 91.6 170.2

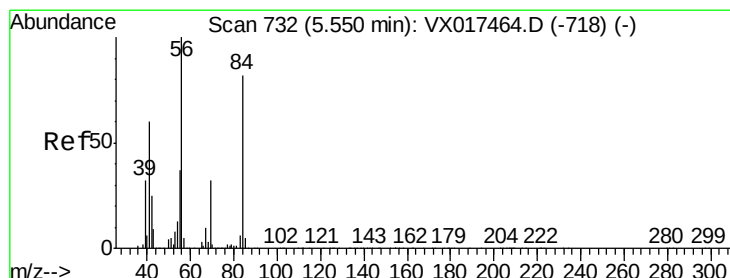
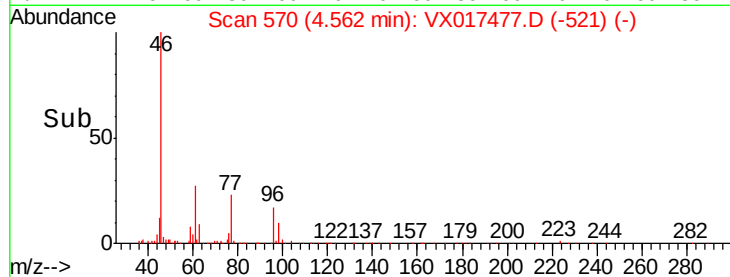
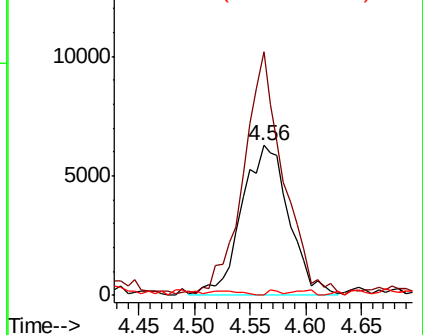
68 0.0 0.0 0.0



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



#30

Cyclohexane

Concen: 0.276 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX017477.D

Acq: 22 Jul 2020 19:55

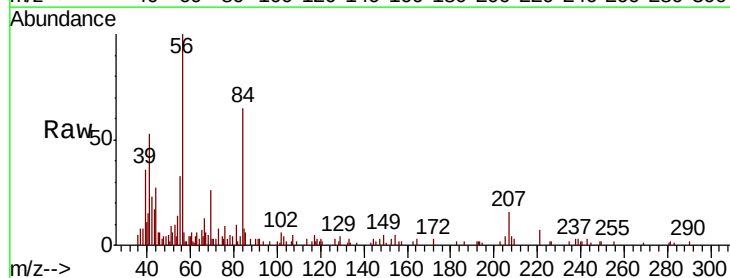
Tgt Ion: 56 Resp: 12410

Ion Ratio Lower Upper

56 100

69 15.5 25.4 38.2#

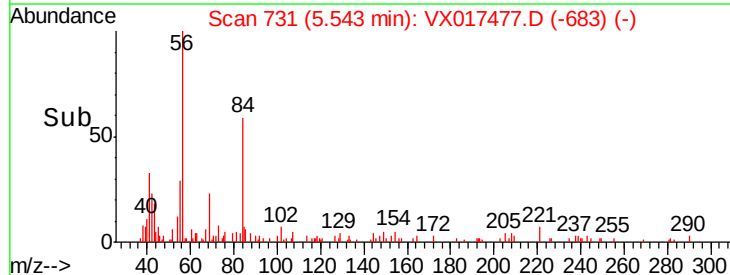
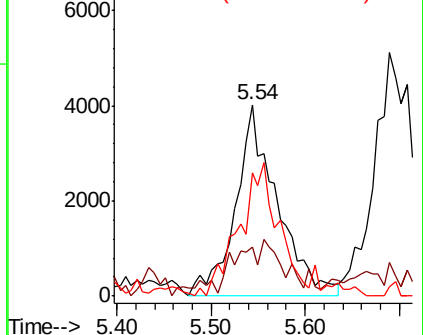
84 0.0 69.3 103.9#

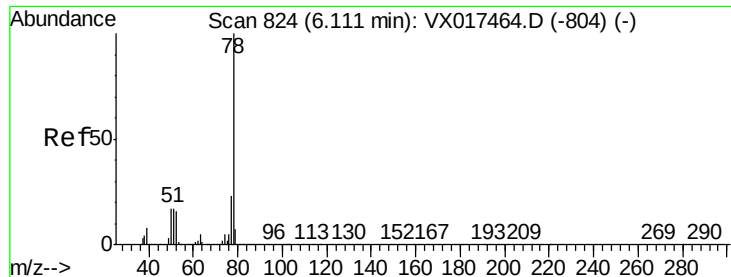


Abundance Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0





#33

Benzene

Concen: 6.095 ug/L

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX017477.D

Acq: 22 Jul 2020 19:55

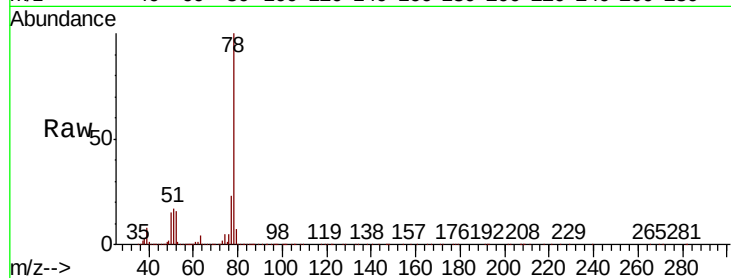
Instrument :

MSVOA_X

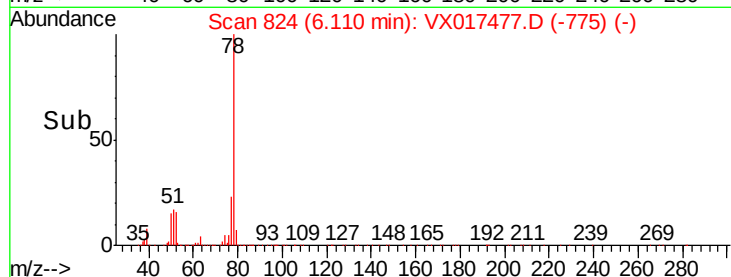
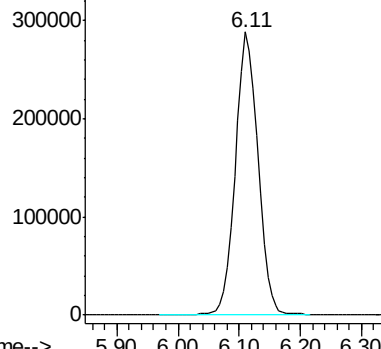
ClientSampleId :

GAY18MS

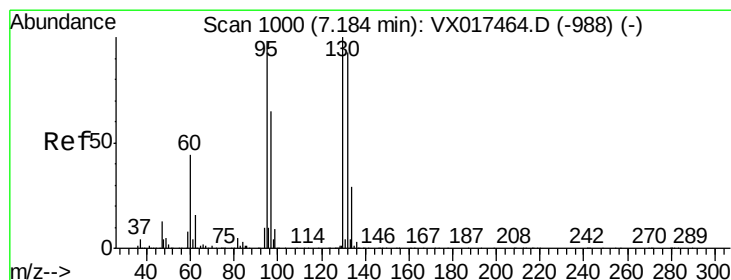
Tgt Ion: 78 Resp: 743468



Abundance Ion 78.10 (77.80 to 78.80): VX0



Time-->



#34

Trichloroethene

Concen: 5.416 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX017477.D

Acq: 22 Jul 2020 19:55

Tgt Ion: 95 Resp: 178257

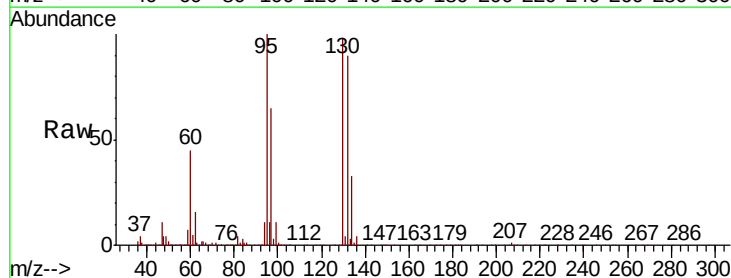
Ion Ratio Lower Upper

95 100

97 65.2 45.9 85.3

132 90.0 65.5 121.7

130 97.5 66.5 123.5

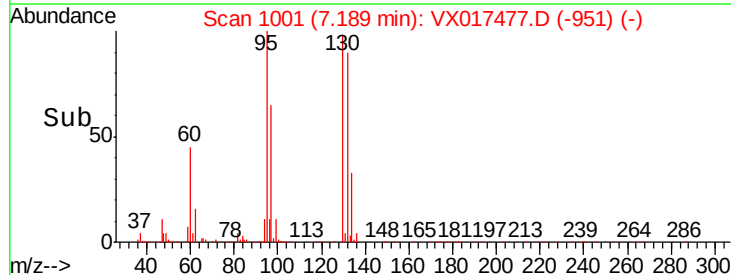
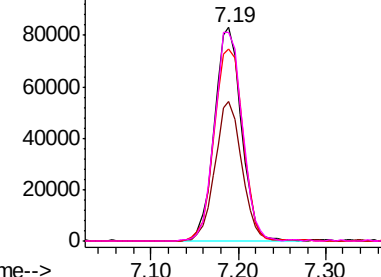


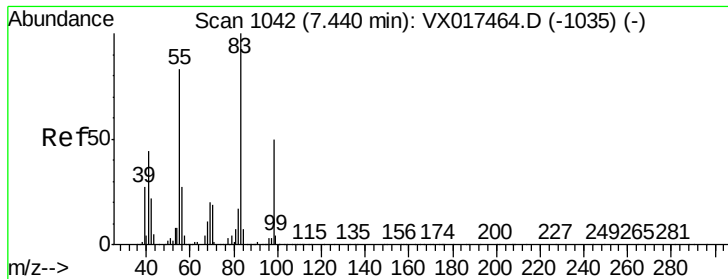
Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

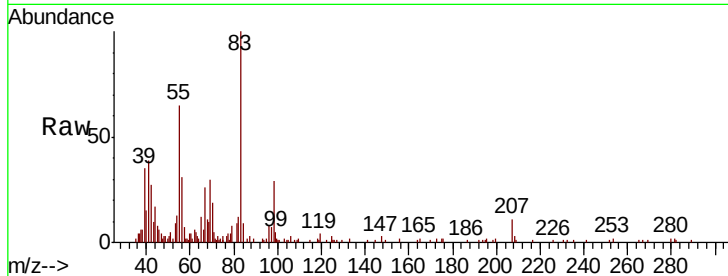




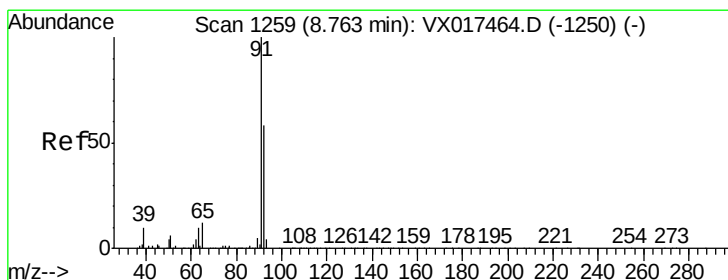
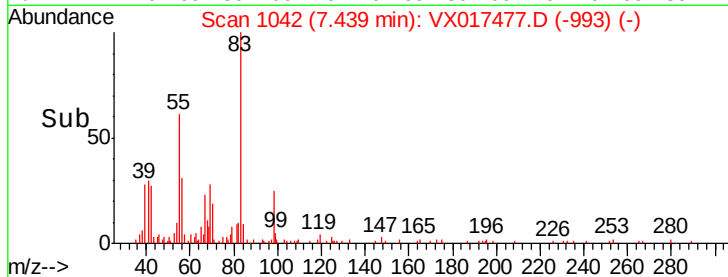
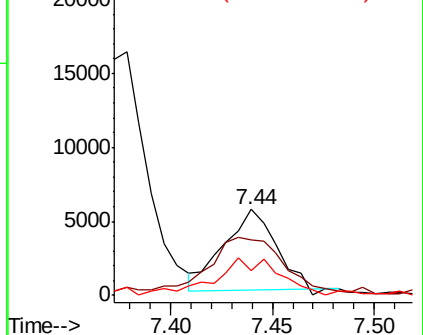
#35
Methylvlcyclohexane
Concen: 0.215 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX017477.D
Acq: 22 Jul 2020 19:55

Instrument :
MSVOA_X
ClientSampleId :
GAY18MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	98.3	65.4	98.2#
98	58.4	39.8	59.8

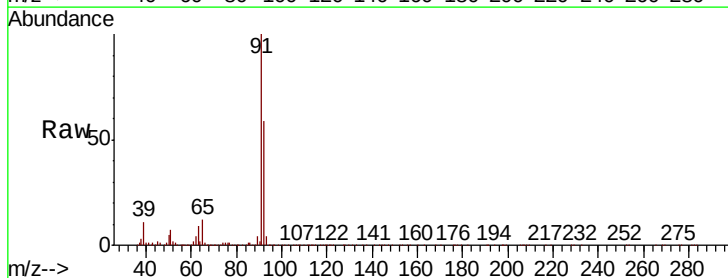


Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

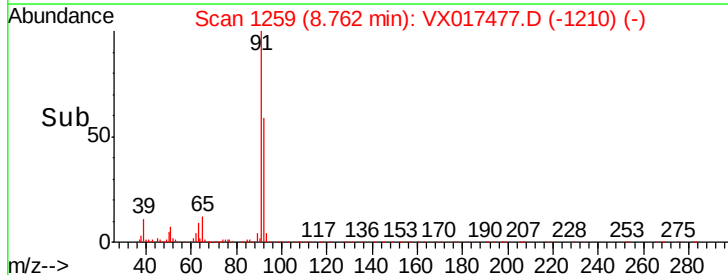
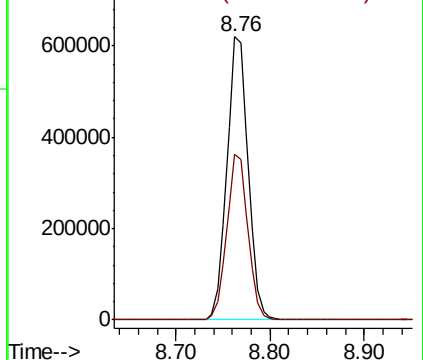


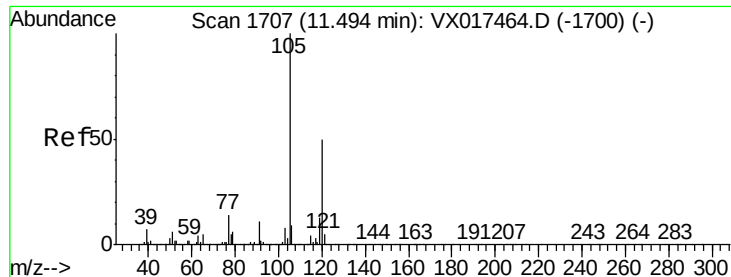
#42
Toluene
Concen: 7.915 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX017477.D
Acq: 22 Jul 2020 19:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.6	39.9	74.1



Abundance Ion 91.15 (90.85 to 91.85): VX0
Ion 92.15 (91.85 to 92.85): VX0





#43

1,3,5-Trimethylbenzene

Concen: 0.199 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017477.D

Acq: 22 Jul 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

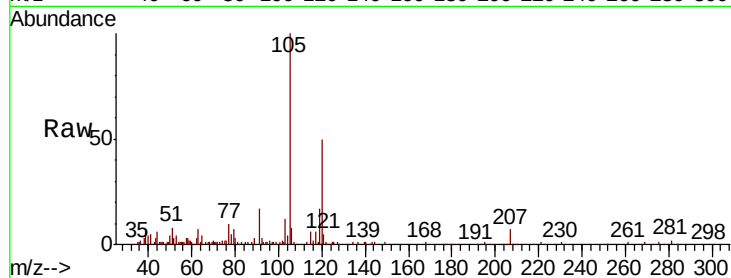
GAY18MS

Tot Ion:105 Resp: 22658

Ion Ratio Lower Upper

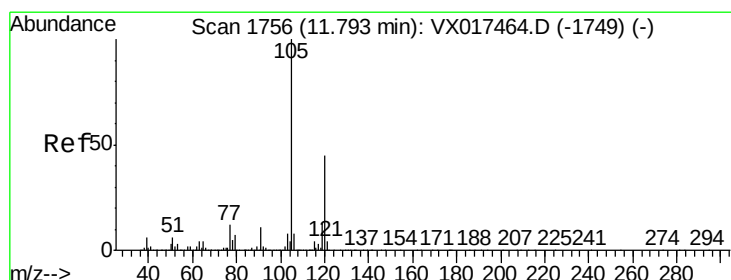
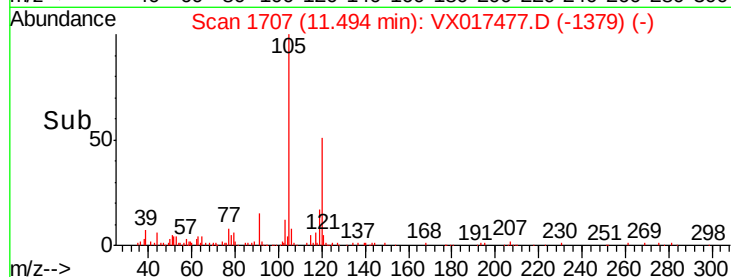
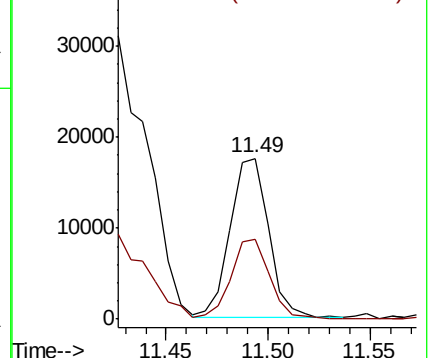
105 100

120 51.1 38.2 57.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#44

1,2,4-Trimethylbenzene

Concen: 0.754 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017477.D

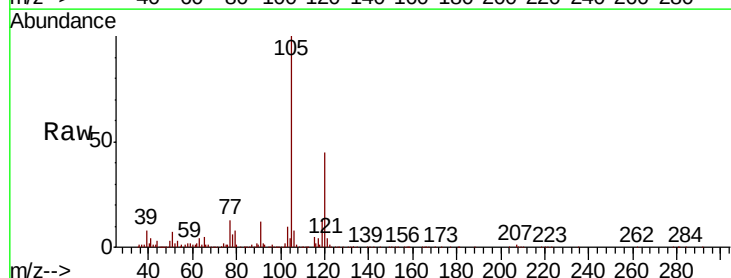
Acq: 22 Jul 2020 19:55

Tgt Ion:105 Resp: 85128

Ion Ratio Lower Upper

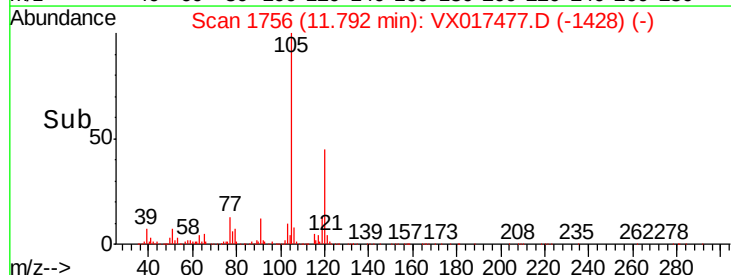
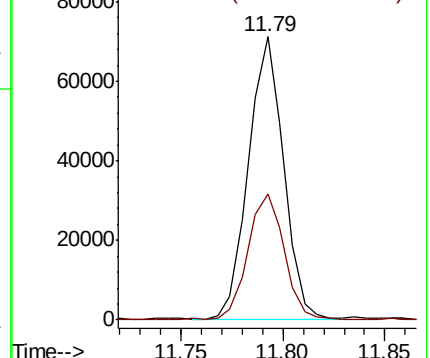
105 100

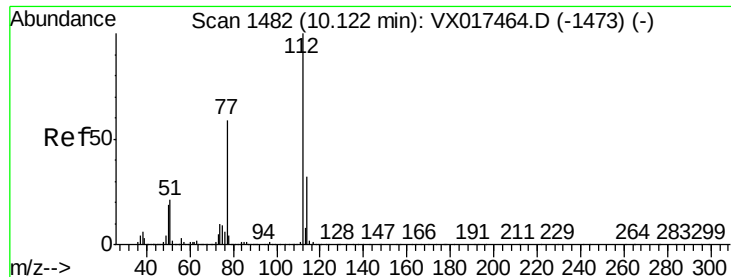
120 46.5 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#53

Chlorobenzene

Concen: 5.439 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017477.D

Acq: 22 Jul 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

GAY18MS

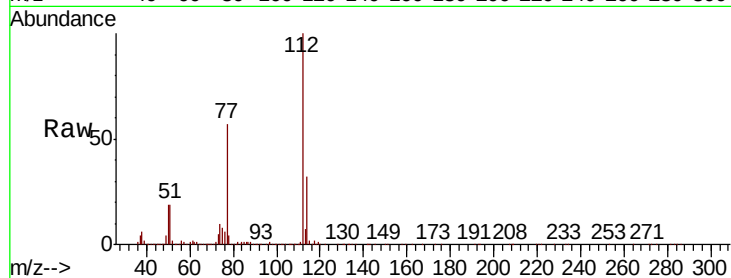
Tot Ion: 112 Resp: 452656

Ion Ratio Lower Upper

112 100

114 32.0 23.1 42.9

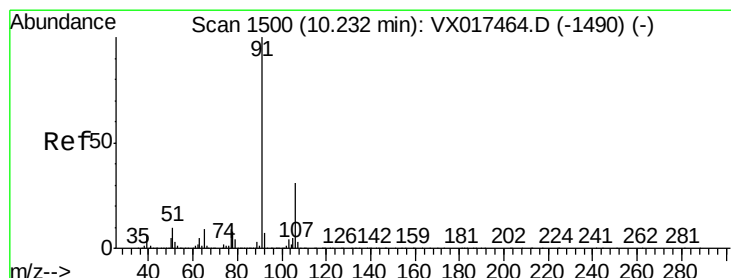
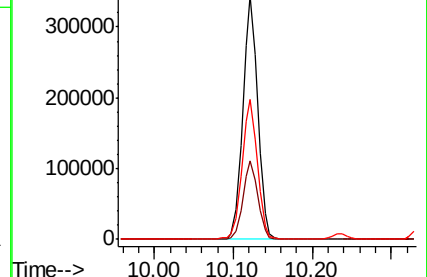
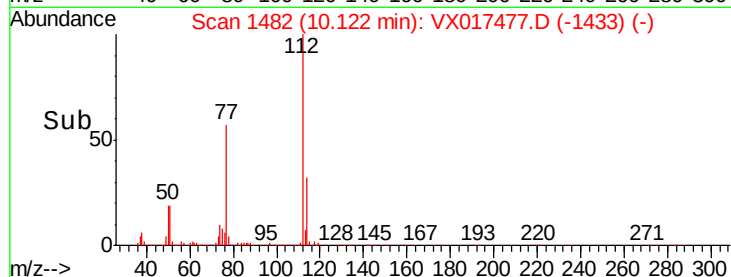
77 57.5 46.2 69.2



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VX0



#54

Ethylbenzene

Concen: 0.890 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017477.D

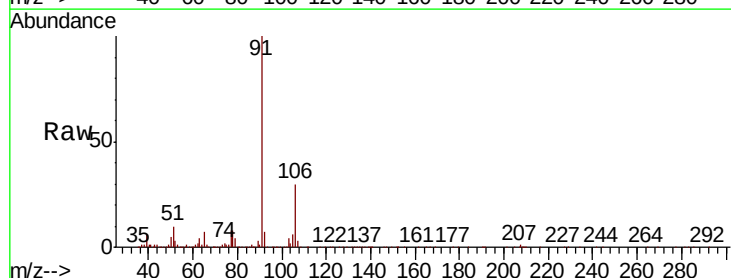
Acq: 22 Jul 2020 19:55

Tgt Ion: 91 Resp: 118116

Ion Ratio Lower Upper

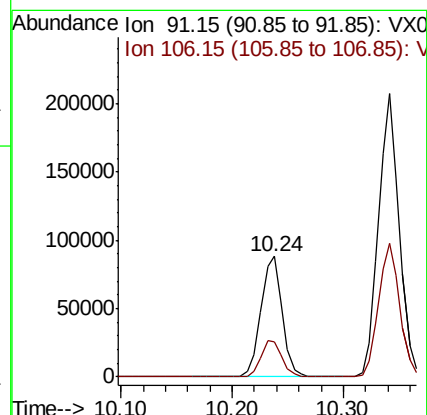
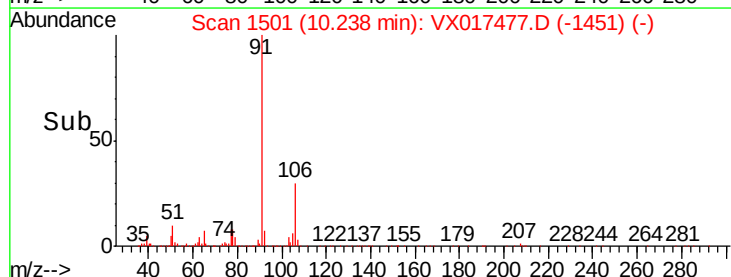
91 100

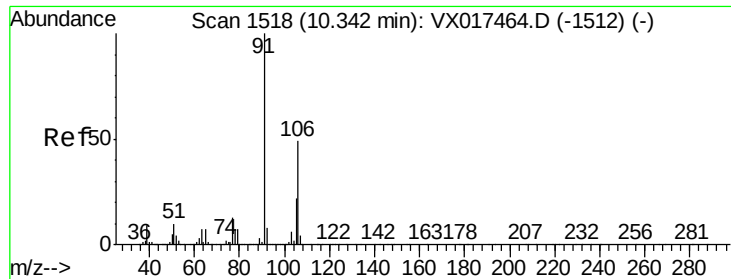
106 29.7 22.5 41.7



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 2.465 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017477.D

Acq: 22 Jul 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

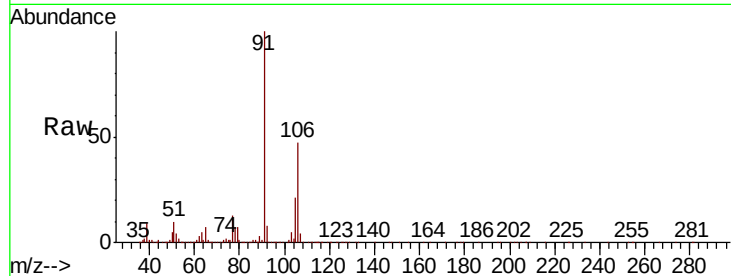
GAY18MS

Tot Ion:106 Resp: 130554

Ion Ratio Lower Upper

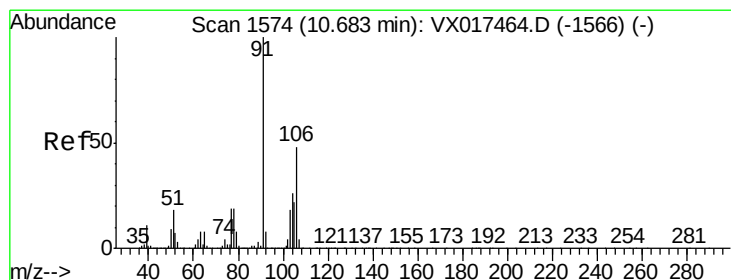
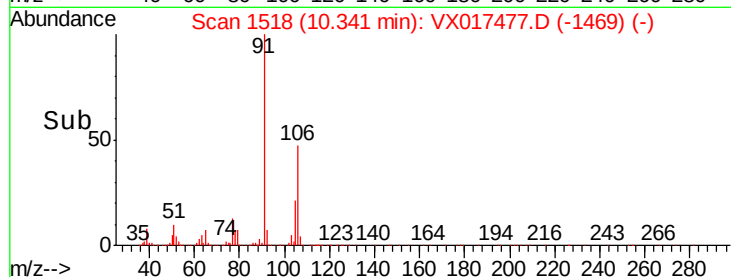
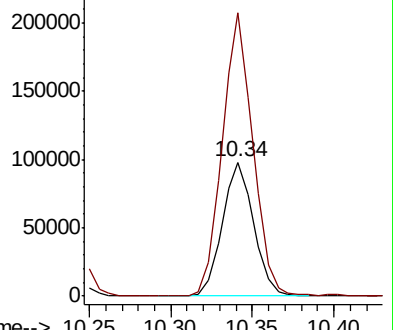
106 100

91 211.4 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.777 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017477.D

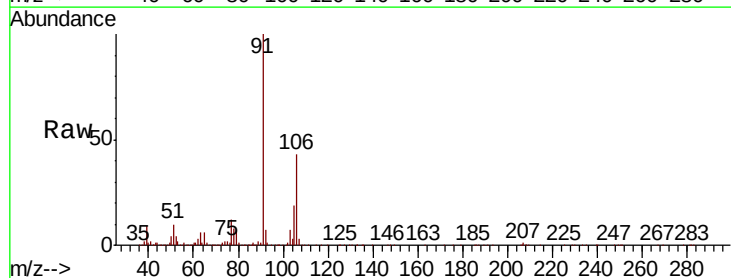
Acq: 22 Jul 2020 19:55

Tgt Ion:106 Resp: 39924

Ion Ratio Lower Upper

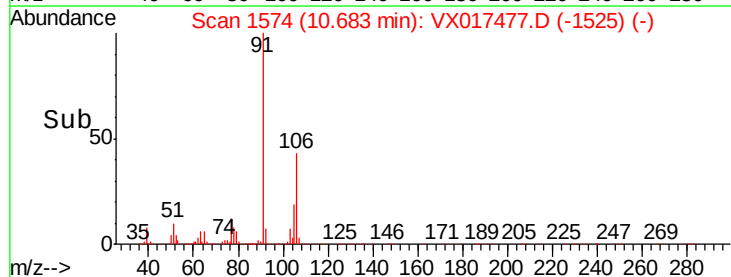
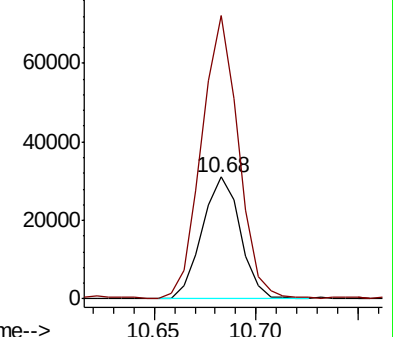
106 100

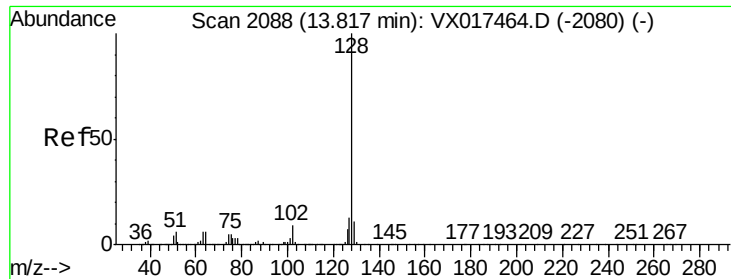
91 232.3 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#70

Naphthalene

Concen: 0.306 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017477.D

Acq: 22 Jul 2020 19:55

Instrument :

MSVOA_X

ClientSampleId :

GAY18MS

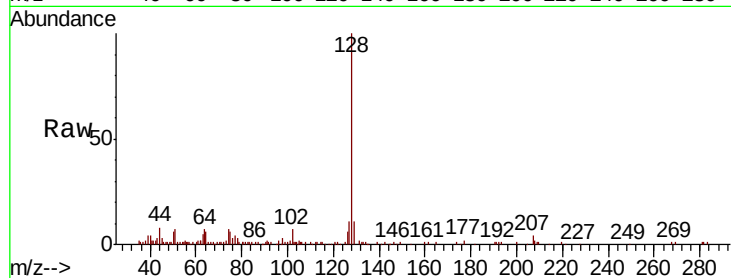
Tot Ion:128 Resp: 21387

Ion Ratio Lower Upper

128 100

129 17.7 8.7 13.1#

127 15.5 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

