

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072220\
 Data File : VX017475.D
 Acq On : 22 Jul 2020 19:07
 Operator : JC/SP
 Sample : L3395-16
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GAY24

Quant Time: Jul 23 03:03:28 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	510677	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	464871	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	230845	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	150364	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	1.69	69	115269	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.34	63	221002	2.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.00%#
20) 2-Butanone-d5	4.53	46	389766	52.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.06%
24) Chloroform-d	5.14	84	289937	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	6.03	65	159318	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
32) Benzene-d6	6.05	84	576776	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	7.37	67	179826	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	8.70	98	545405	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
45) trans-1,3-Dichloropropene-	8.99	79	72314	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
48) 2-Hexanone-d5	9.43	63	293385	56.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.44%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	127405	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	205331	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

					Ovalue
13) Acetone	2.42	43	172252	28.770	ug/L 99
14) Carbon disulfide	2.55	76	26086	0.213	ug/L 99
15) Methyl Acetate	2.75	43	22561	1.294	ug/L 95
21) 2-Butanone	4.64	43	19604	2.056	ug/L 89
22) cis-1,2-Dichloroethene	4.57	96	7095	0.187	ug/L 86
27) 1,2-Dichloroethane	6.12	62	4682	0.102	ug/L # 80
30) Cyclohexane	5.54	56	162114	3.212	ug/L 96
33) Benzene	6.11	78	691267	5.049	ug/L 100
34) Trichloroethene	7.19	95	5476	0.148	ug/L 87
35) Methylcyclohexane	7.44	83	50536	1.011	ug/L # 84
39) cis-1,3-Dichloropropene	8.37	75	7082	0.142	ug/L 97
40) 4-Methyl-2-pentanone	8.66	43	39932	1.984	ug/L # 77
42) Toluene	8.76	91	295911	2.156	ug/L 98
43) 1,3,5-Trimethylbenzene	11.49	105	314696	2.461	ug/L 98
44) 1,2,4-Trimethylbenzene	11.79	105	1634181	12.905	ug/L 100
47) 1,1,2-Trichloroethane	9.15	97	13642	0.579	ug/L # 21
49) Tetrachloroethene	9.33	164	4020	0.134	ug/L # 60

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072220\
Data File : VX017475.D
Acq On : 22 Jul 2020 19:07
Operator : JC/SP
Sample : L3395-16
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GAY24

Quant Time: Jul 23 03:03:28 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

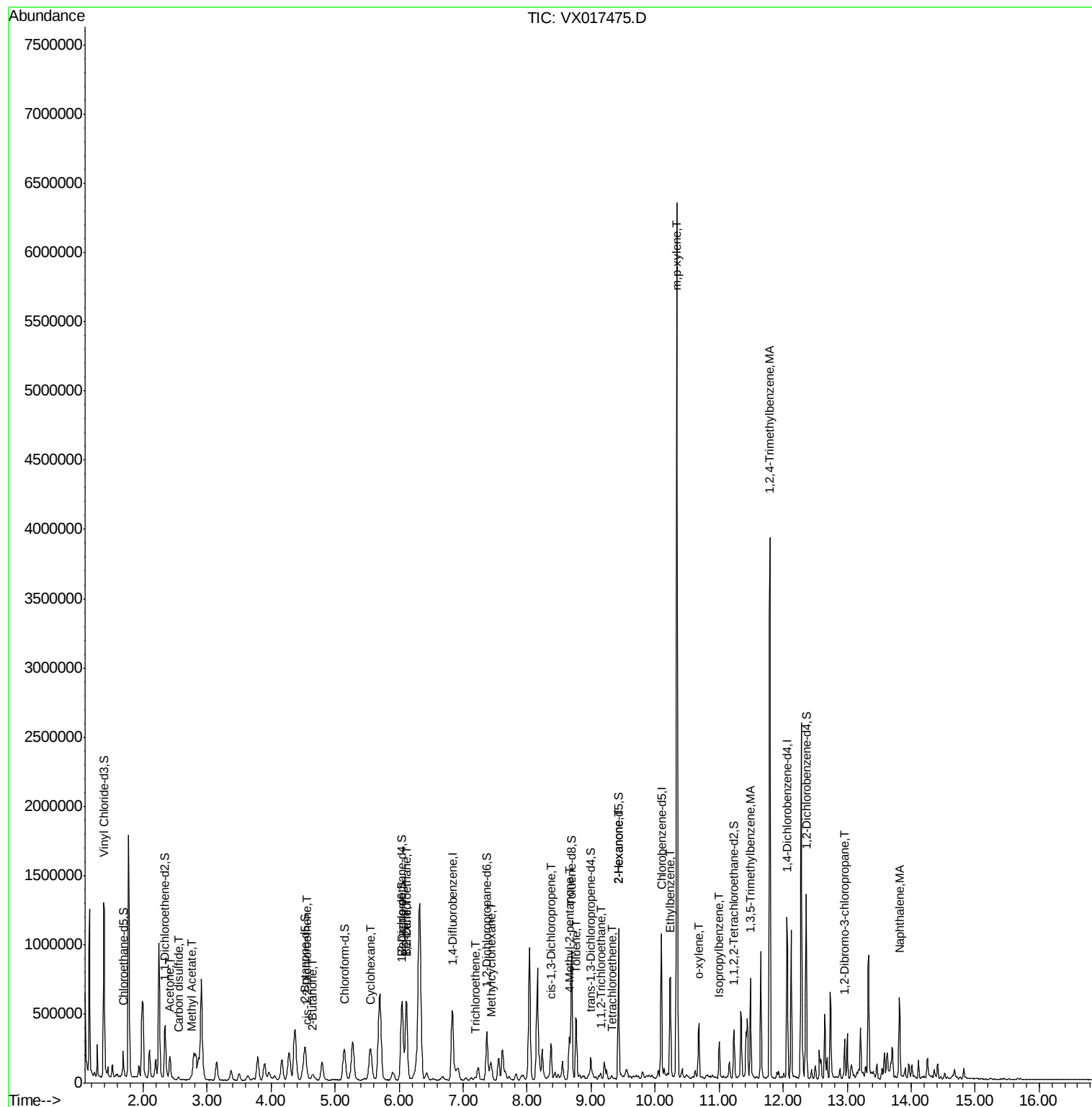
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 2-Hexanone	9.43	43	46134	3.140	ug/L #	68
54) Ethylbenzene	10.23	91	390026	2.620	ug/L	99
55) m,p-xylene	10.34	106	1411881	23.753	ug/L	100
56) o-xylene	10.68	106	80211	1.391	ug/L	96
58) Isopropylbenzene	11.00	105	133100	0.893	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.96	75	1695	0.280	ug/L #	6
70) Naphthalene	13.82	128	351453	4.379	ug/L	99

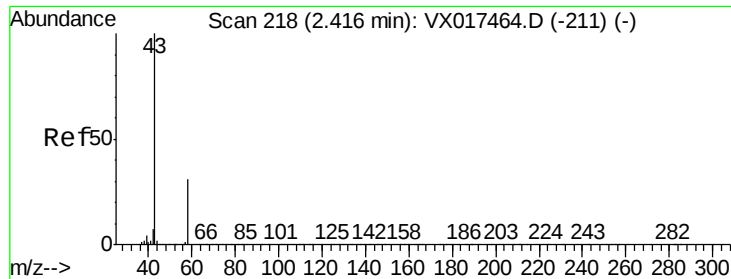
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072220\
Data File : VX017475.D
Acq On : 22 Jul 2020 19:07
Operator : JC/SP
Sample : L3395-16
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GAY24

Quant Time: Jul 23 03:03:28 2020
Quant Method : Z:\V0ASRV\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

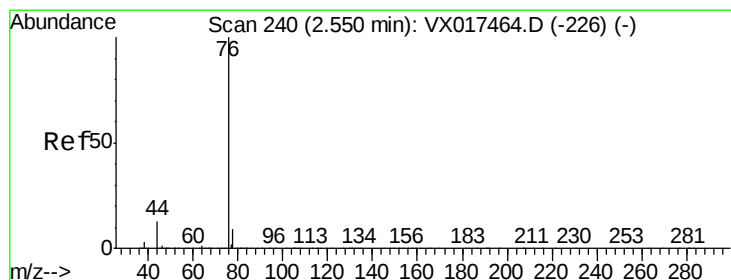
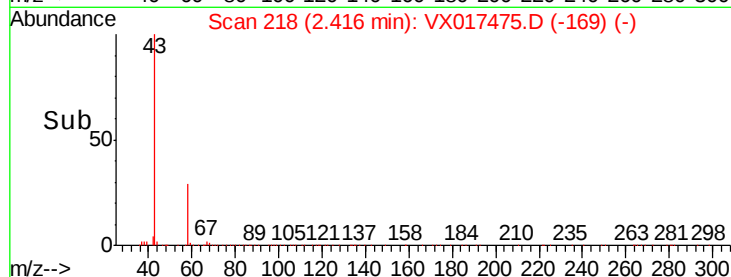
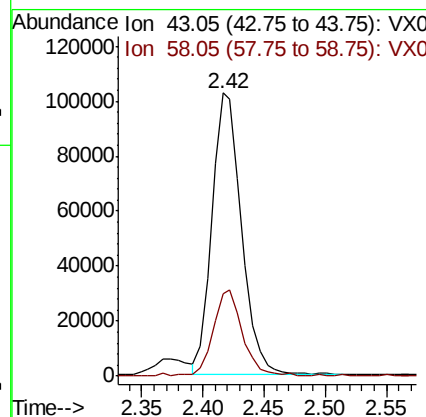
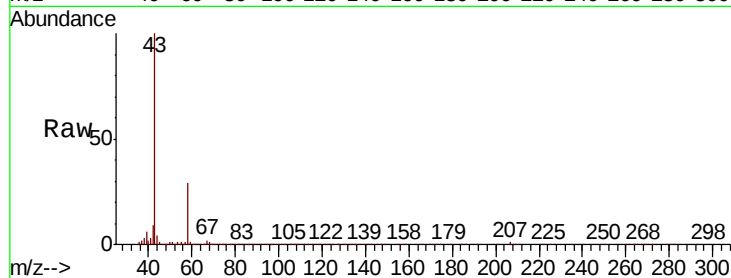




#13
Acetone
Concen: 28.770 ug/L
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX017475.D
Acq: 22 Jul 2020 19:07

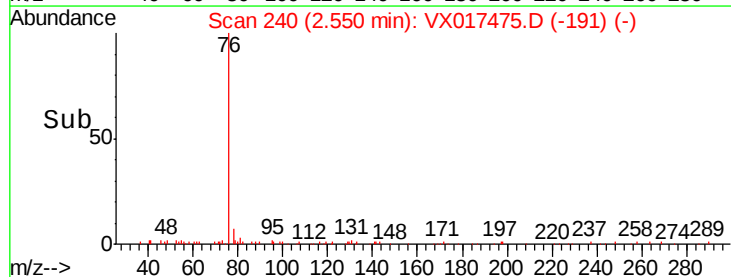
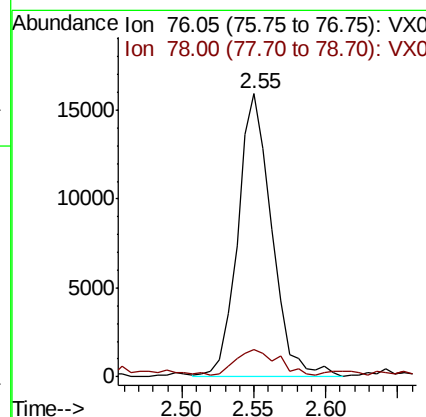
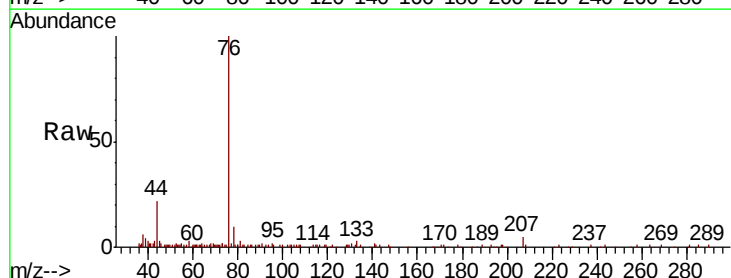
Instrument :
MSVOA_X
ClientSampleId :
GAY24

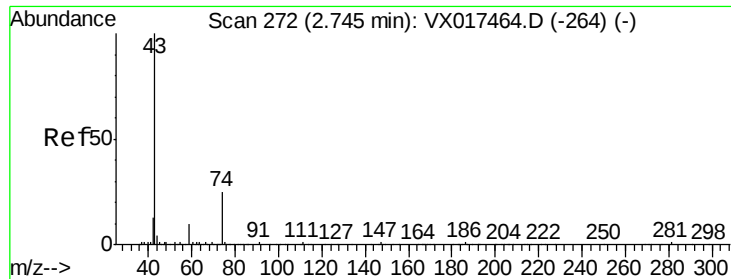
Tot Ion: 43 Resp: 172252
Ion Ratio Lower Upper
43 100
58 29.7 0.0 58.6



#14
Carbon disulfide
Concen: 0.213 ug/L
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX017475.D
Acq: 22 Jul 2020 19:07

Tgt Ion: 76 Resp: 26086
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9

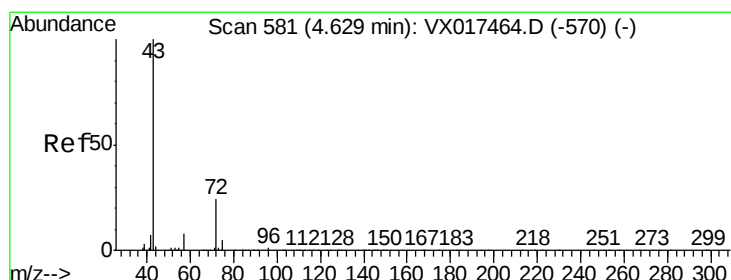
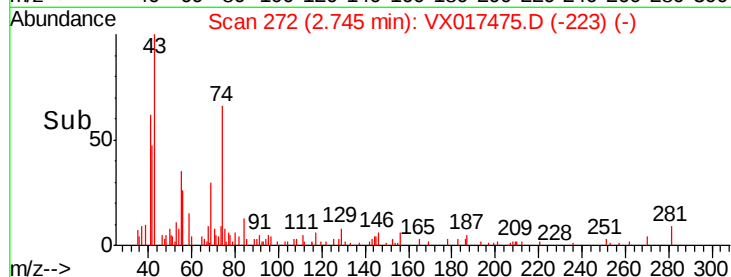
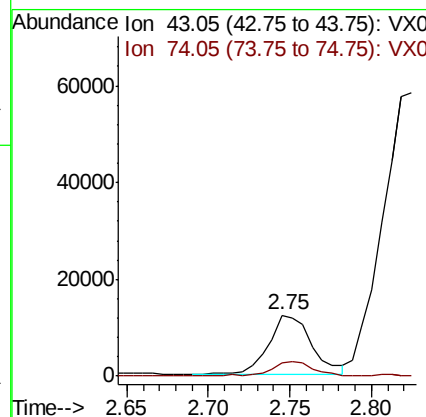
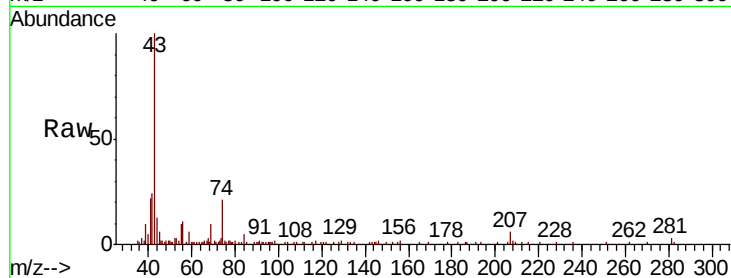




#15
Methvl Acetate
Concen: 1.294 ug/L
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX017475.D
Acq: 22 Jul 2020 19:07

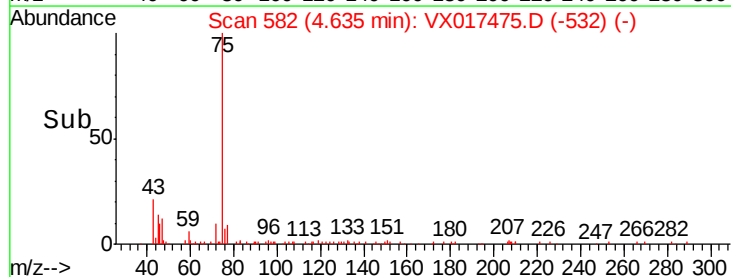
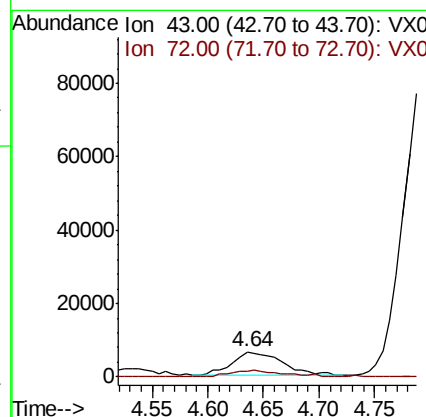
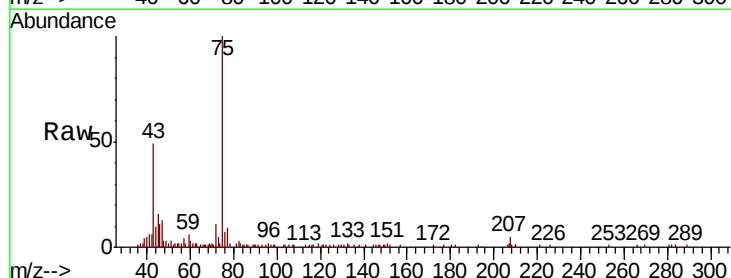
Instrument :
MSVOA_X
ClientSampleId :
GAY24

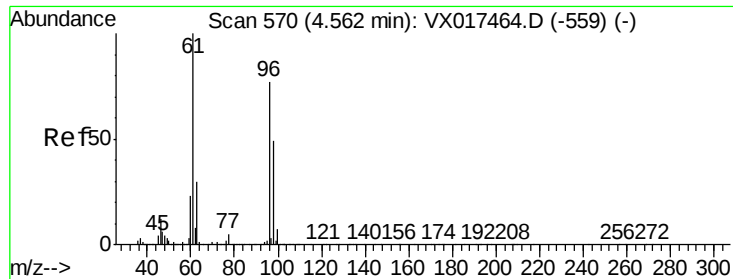
Tot Ion: 43 Resp: 22561
Ion Ratio Lower Upper
43 100
74 24.5 17.6 26.4



#21
2-Butanone
Concen: 2.056 ug/L
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX017475.D
Acq: 22 Jul 2020 19:07

Tgt Ion: 43 Resp: 19604
Ion Ratio Lower Upper
43 100
72 29.8 12.1 36.3



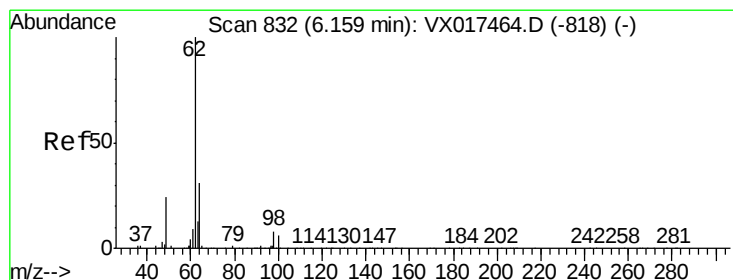
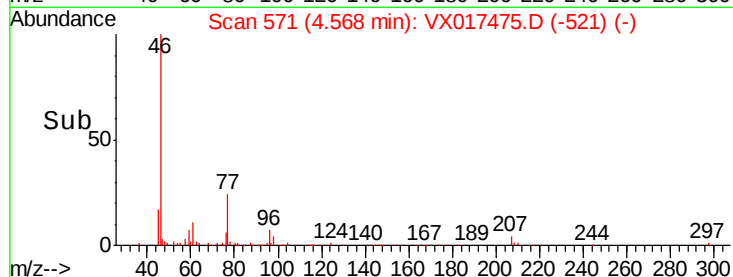
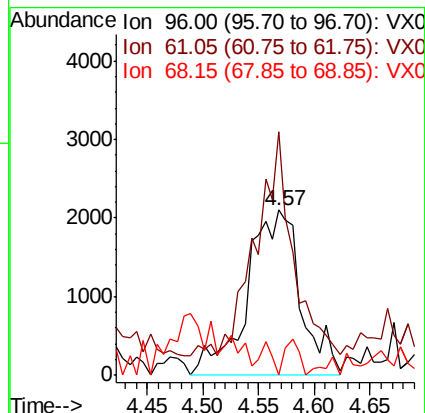
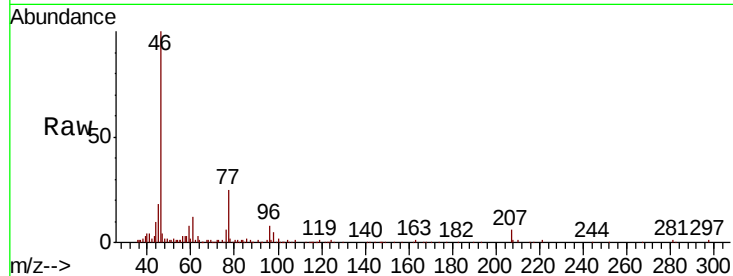


#22

cis-1,2-Dichloroethene
 Concen: 0.187 ug/L
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX017475.D
 Acq: 22 Jul 2020 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 GAY24

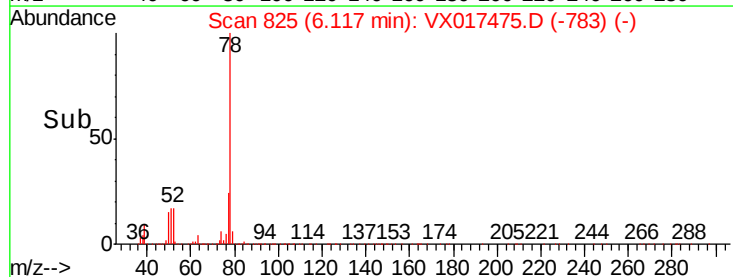
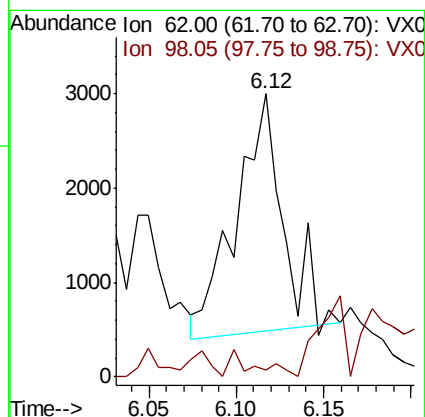
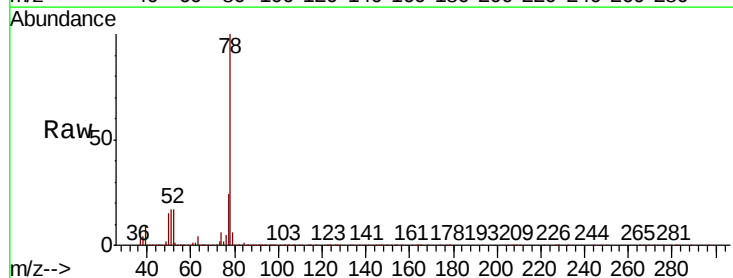
Tot Ion: 96 Resp: 7095
 Ion Ratio Lower Upper
 96 100
 61 147.6 91.6 170.2
 68 0.0 0.0 0.0

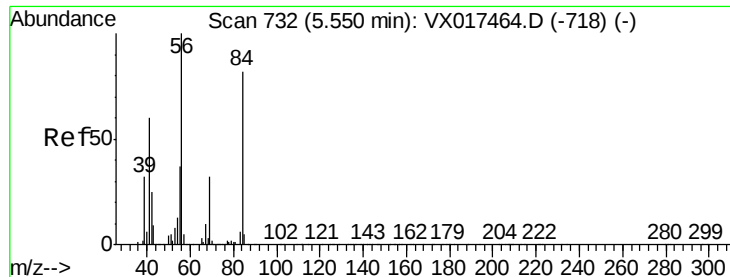


#27

1,2-Dichloroethane
 Concen: 0.102 ug/L
 RT: 6.12 min Scan# 825
 Delta R.T. -0.04 min
 Lab File: VX017475.D
 Acq: 22 Jul 2020 19:07

Tgt Ion: 62 Resp: 4682
 Ion Ratio Lower Upper
 62 100
 98 2.4 7.7 11.5#

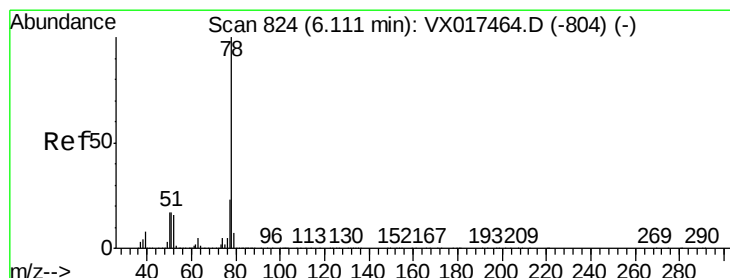
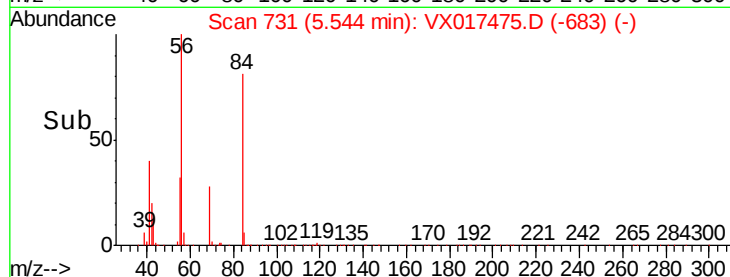
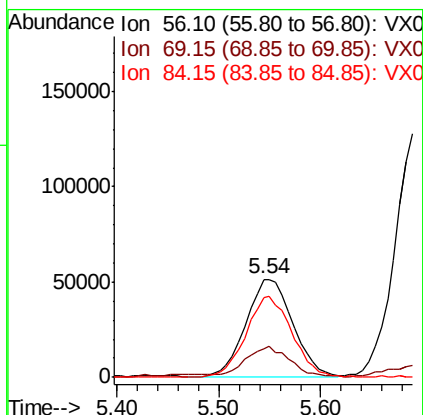
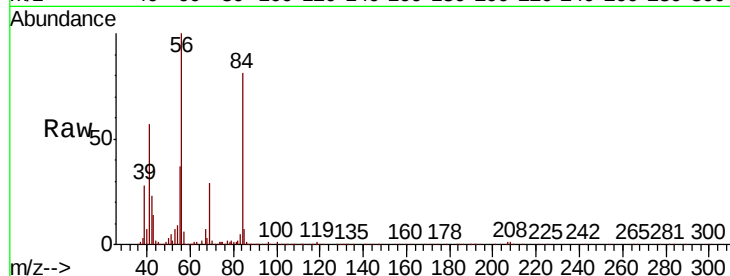




#30
Cyclohexane
Concen: 3.212 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX017475.D
Acq: 22 Jul 2020 19:07

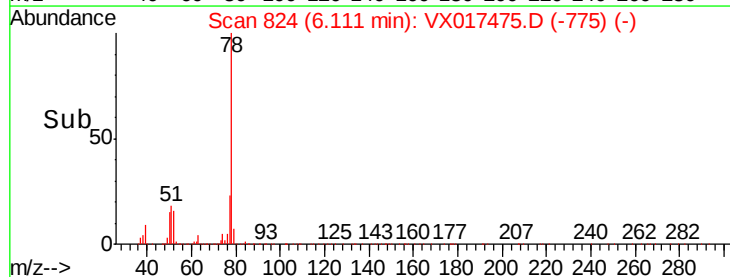
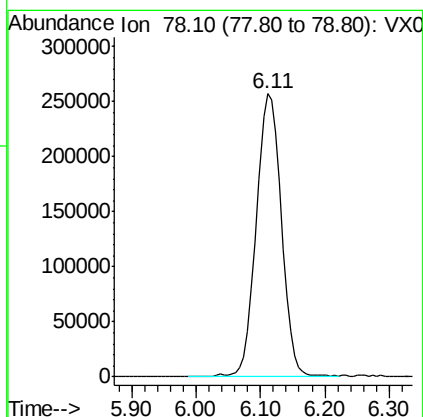
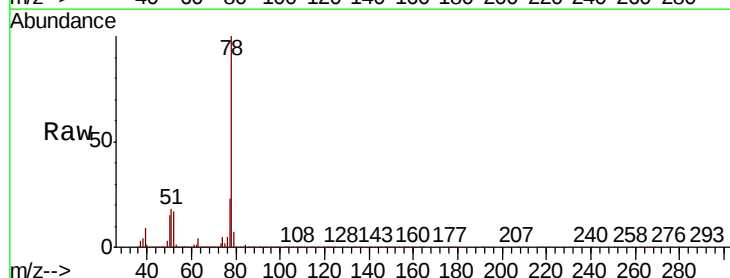
Instrument :
MSVOA_X
ClientSampleId :
GAY24

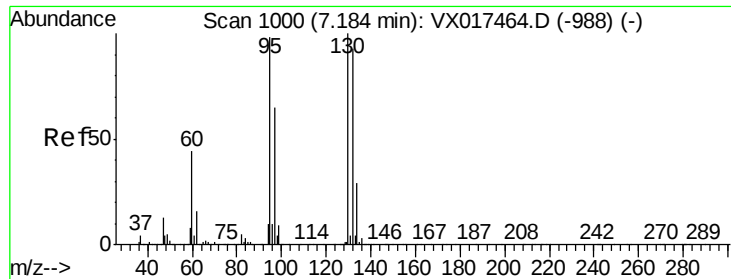
Tot Ion: 56 Resp: 162114
Ion Ratio Lower Upper
56 100
69 30.0 25.4 38.2
84 82.3 69.3 103.9



#33
Benzene
Concen: 5.049 ug/L
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX017475.D
Acq: 22 Jul 2020 19:07

Tgt Ion: 78 Resp: 691267

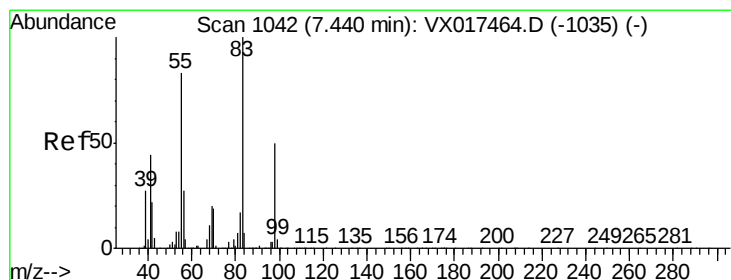
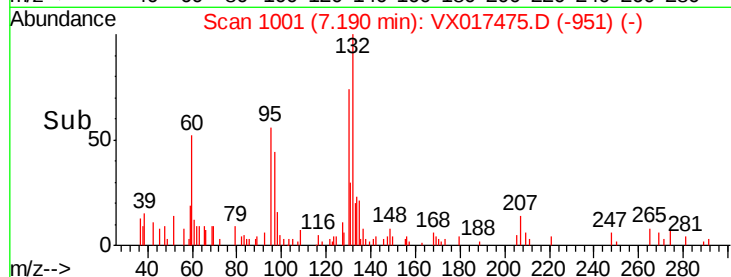
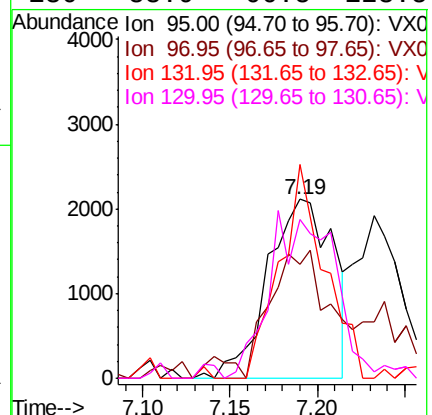
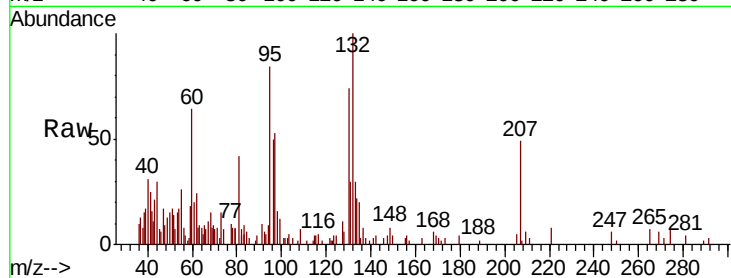




#34
 Trichloroethene
 Concen: 0.148 ug/L
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VX017475.D
 Acq: 22 Jul 2020 19:07

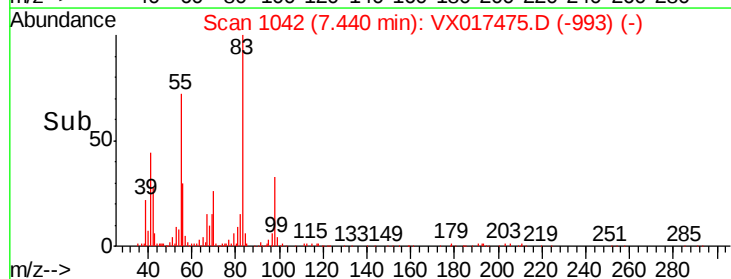
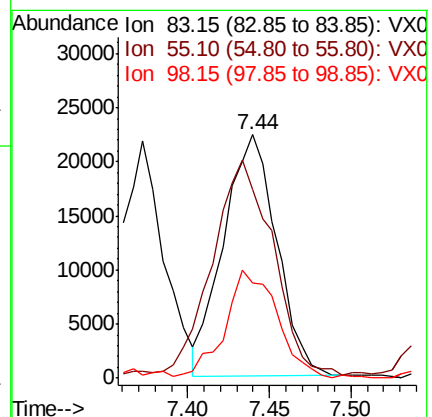
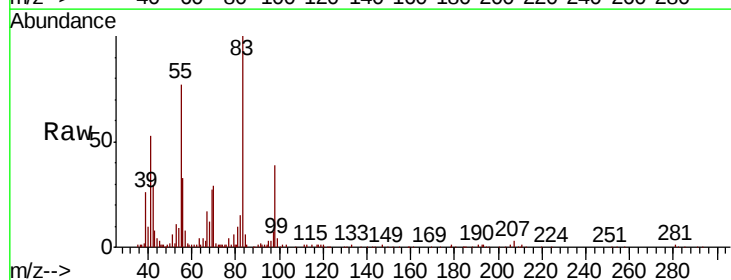
Instrument :
 MSVOA_X
 ClientSampled :
 GAY24

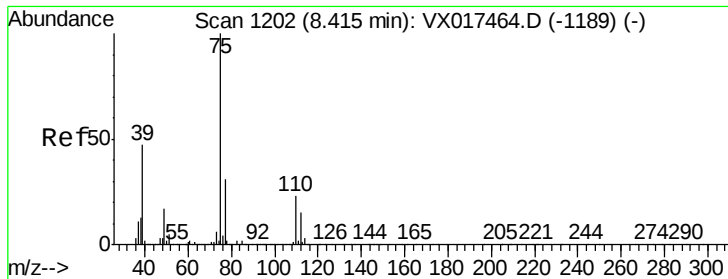
Tot Ion: 95 Resp: 5476
 Ion Ratio Lower Upper
 95 100
 97 63.8 45.9 85.3
 132 119.6 65.5 121.7
 130 88.9 66.5 123.5



#35
 Methylcyclohexane
 Concen: 1.011 ug/L
 RT: 7.44 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: VX017475.D
 Acq: 22 Jul 2020 19:07

Tgt Ion: 83 Resp: 50536
 Ion Ratio Lower Upper
 83 100
 55 98.9 65.4 98.2#
 98 43.3 39.8 59.8





#39

cis-1,3-Dichloropropene

Concen: 0.142 ug/L

RT: 8.37 min Scan# 1195

Delta R.T. -0.04 min

Lab File: VX017475.D

Acq: 22 Jul 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

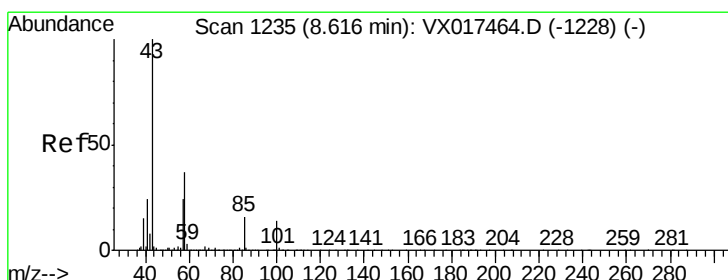
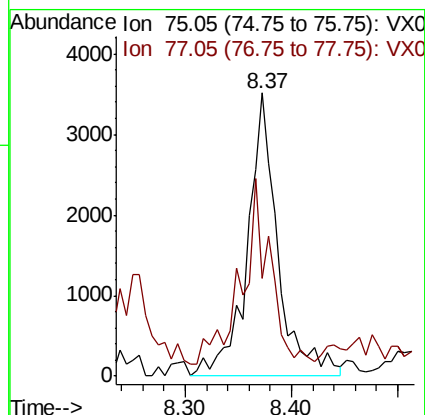
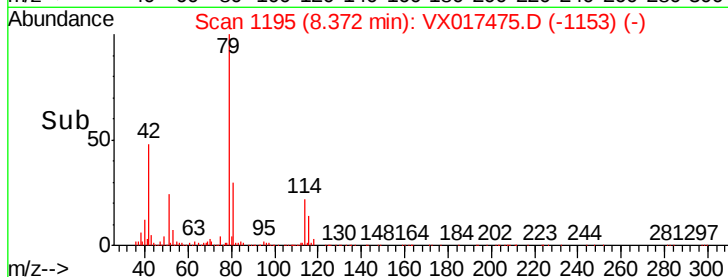
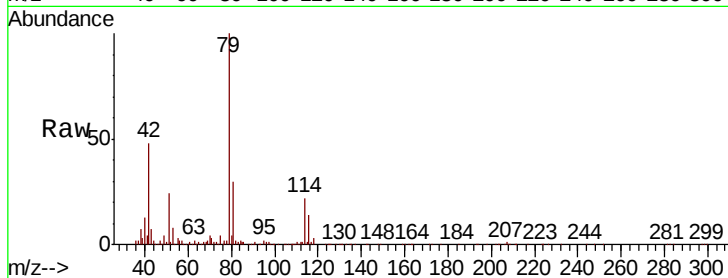
GAY24

Tot Ion: 75 Resp: 7082

Ion Ratio Lower Upper

75 100

77 34.8 23.1 42.9



#40

4-Methyl-2-pentanone

Concen: 1.984 ug/L

RT: 8.66 min Scan# 1242

Delta R.T. 0.04 min

Lab File: VX017475.D

Acq: 22 Jul 2020 19:07

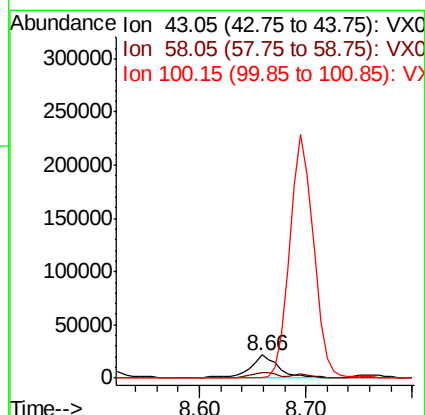
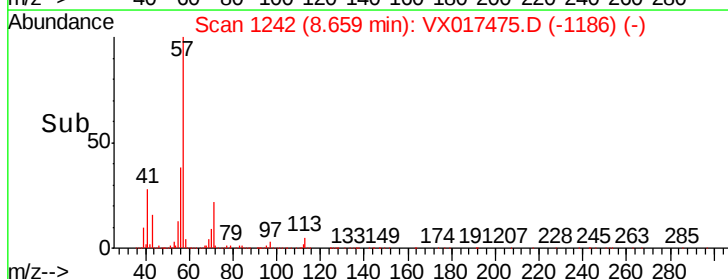
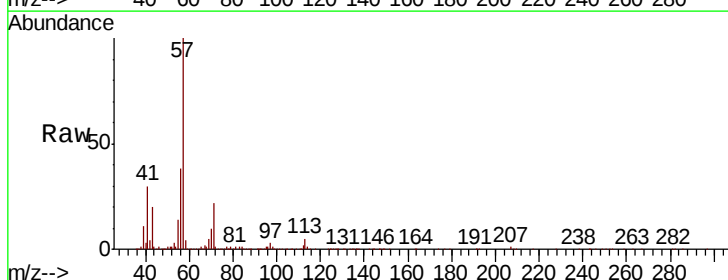
Tgt Ion: 43 Resp: 39932

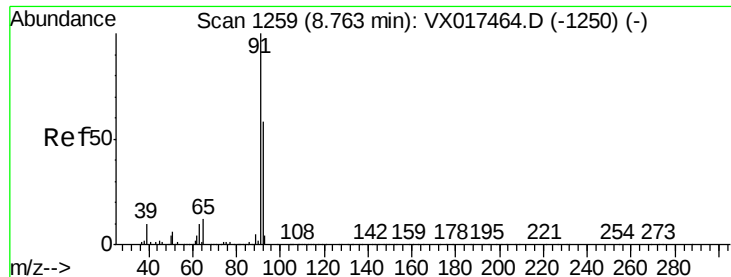
Ion Ratio Lower Upper

43 100

58 23.8 30.1 45.1#

100 0.0 6.5 9.7#





#42

Toluene

Concen: 2.156 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017475.D

Acq: 22 Jul 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

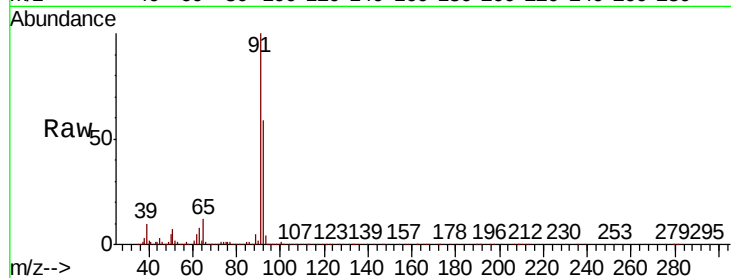
GAY24

Tot Ion: 91 Resp: 295911

Ion Ratio Lower Upper

91 100

92 58.7 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0

8.76

200000

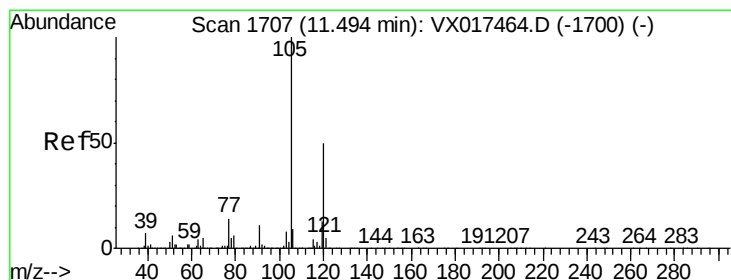
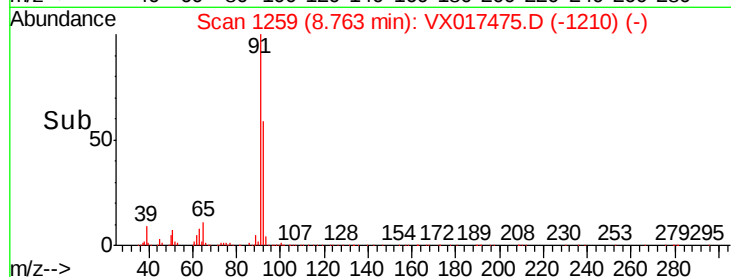
150000

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 2.461 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017475.D

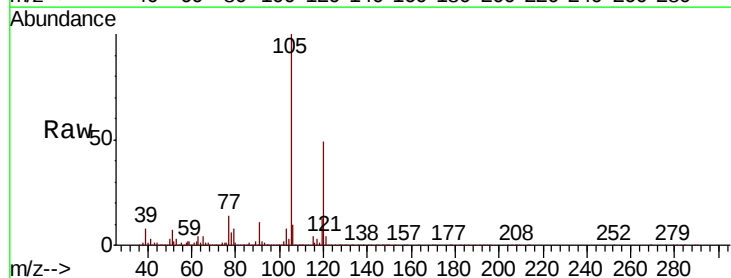
Acq: 22 Jul 2020 19:07

Tgt Ion:105 Resp: 314696

Ion Ratio Lower Upper

105 100

120 49.0 38.2 57.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

250000

200000

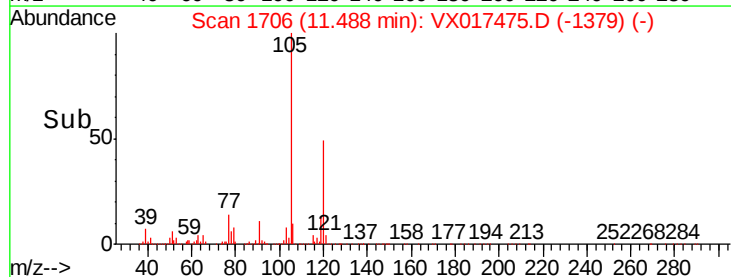
150000

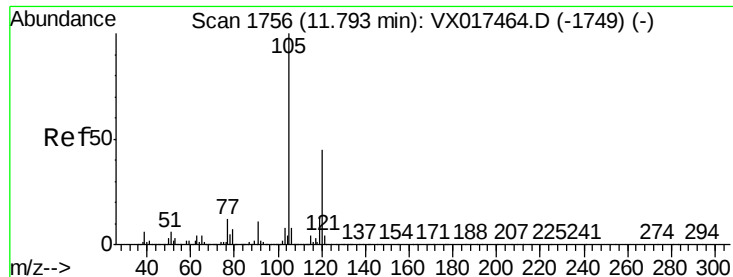
100000

50000

0

Time-->





#44

1,2,4-Trimethylbenzene

Concen: 12.905 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017475.D

Acq: 22 Jul 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

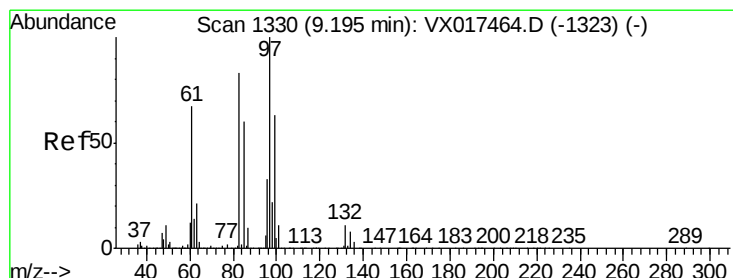
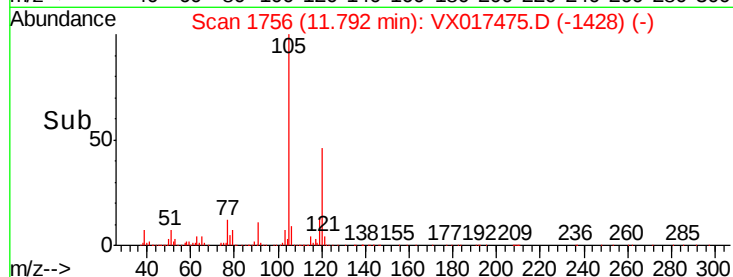
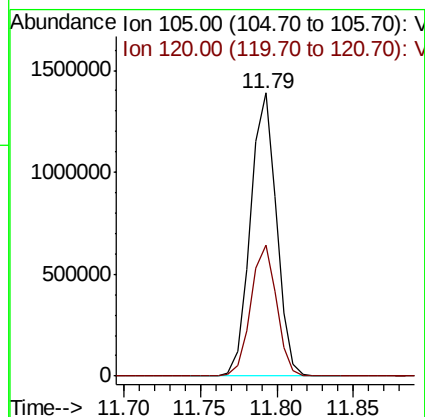
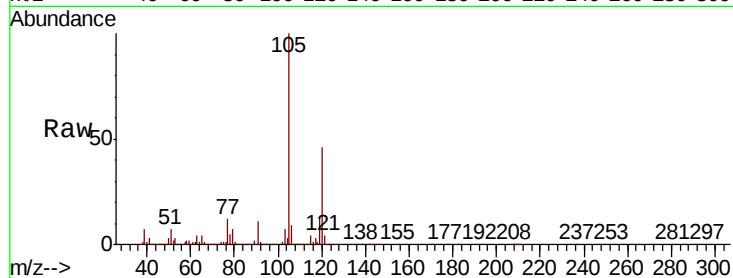
GAY24

Tot Ion:105 Resp: 1634181

Ion Ratio Lower Upper

105 100

120 45.9 36.5 54.7



#47

1,1,2-Trichloroethane

Concen: 0.579 ug/L

RT: 9.15 min Scan# 1322

Delta R.T. -0.05 min

Lab File: VX017475.D

Acq: 22 Jul 2020 19:07

Tgt Ion: 97 Resp: 13642

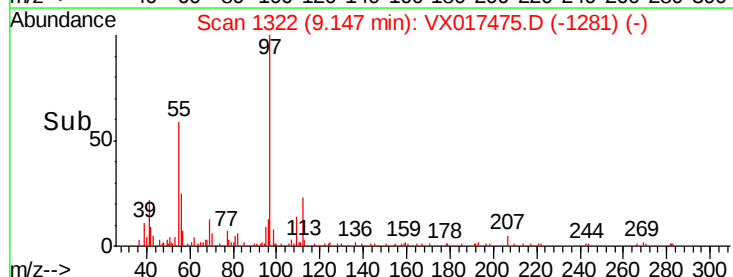
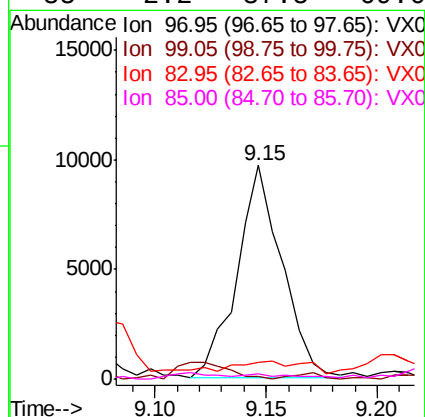
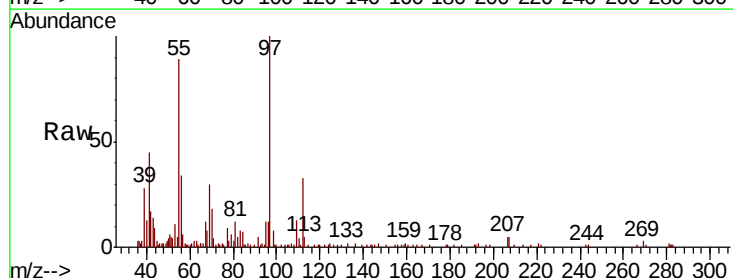
Ion Ratio Lower Upper

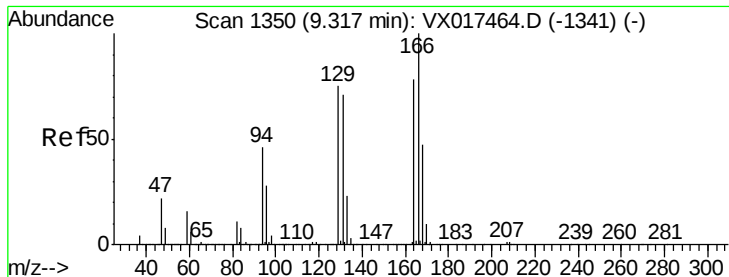
97 100

99 1.3 40.2 74.6#

83 7.9 61.6 114.4#

85 2.2 37.5 69.6#





#49

Tetrachloroethene

Concen: 0.134 ug/L

RT: 9.33 min Scan# 1352

Delta R.T. 0.01 min

Lab File: VX017475.D

Acq: 22 Jul 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

GAY24

Tot Ion:164 Resp: 4020

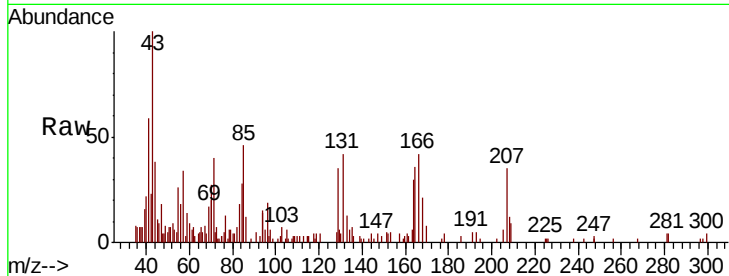
Ion Ratio Lower Upper

164 100

129 61.6 66.6 123.8#

131 62.7 62.6 116.2

166 63.6 86.9 161.5#



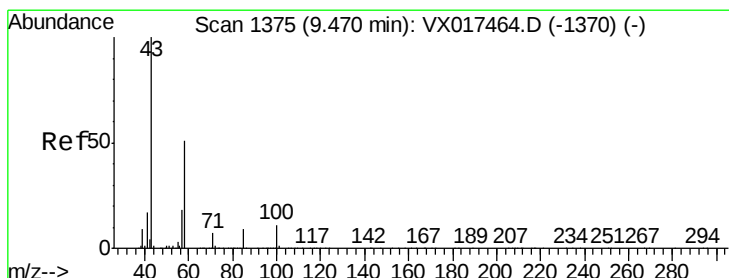
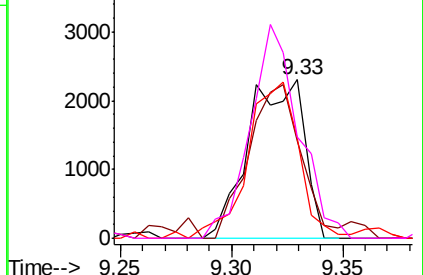
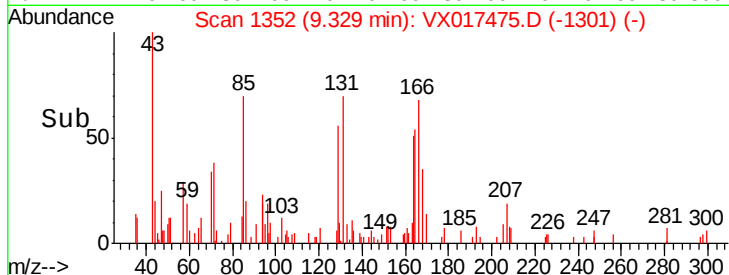
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

Time-->



#50

2-Hexanone

Concen: 3.140 ug/L

RT: 9.43 min Scan# 1368

Delta R.T. -0.04 min

Lab File: VX017475.D

Acq: 22 Jul 2020 19:07

Tgt Ion: 43 Resp: 46134

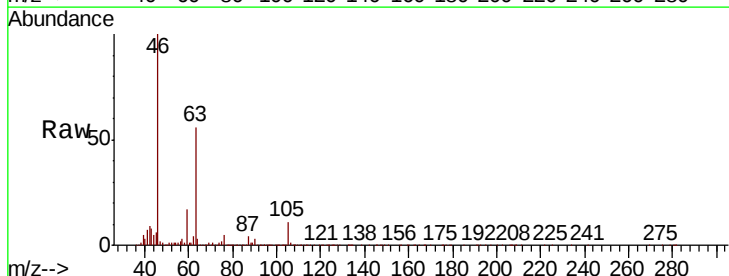
Ion Ratio Lower Upper

43 100

58 18.6 41.4 62.0#

57 35.0 26.9 40.3

100 1.5 16.0 24.0#



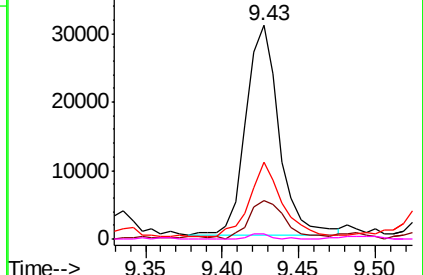
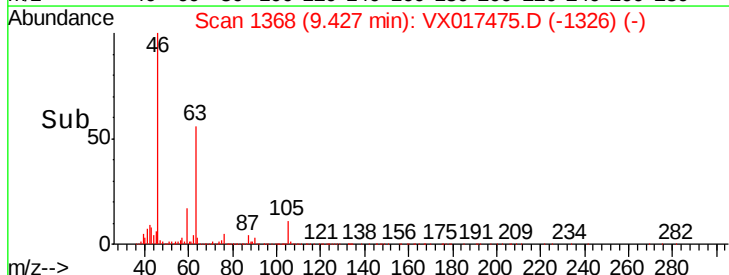
Abundance Ion 43.05 (42.75 to 43.75): VX0

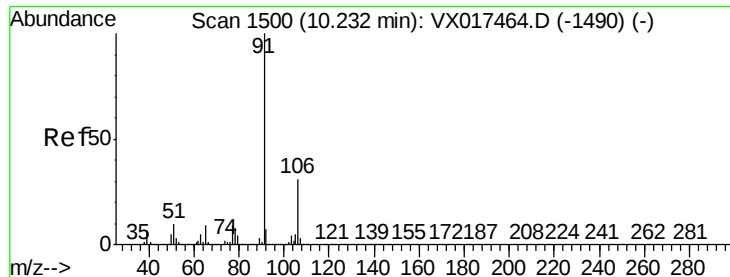
Ion 58.05 (57.75 to 58.75): VX0

Ion 57.20 (56.90 to 57.90): VX0

Ion 100.15 (99.85 to 100.85): VX0

Time-->





#54

Ethylbenzene

Concen: 2.620 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX017475.D

Acq: 22 Jul 2020 19:07

Instrument :

MSVOA_X

ClientSampleId :

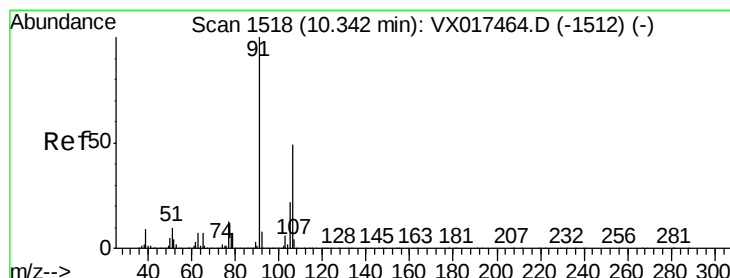
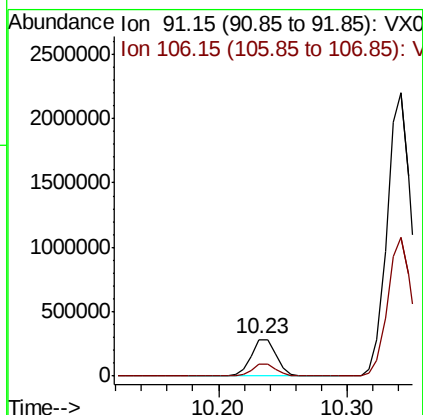
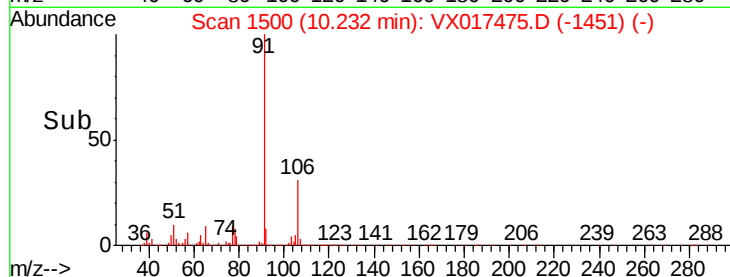
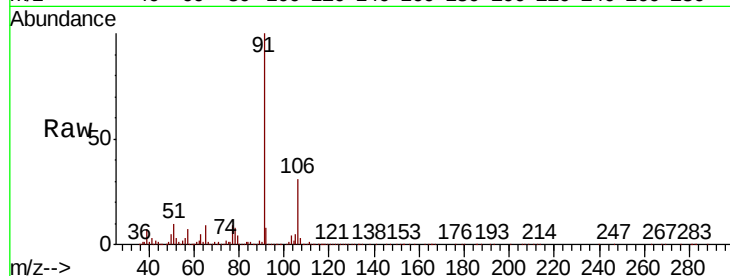
GAY24

Tot Ion: 91 Resp: 390026

Ion Ratio Lower Upper

91 100

106 31.5 22.5 41.7



#55

m,p-xylene

Concen: 23.753 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017475.D

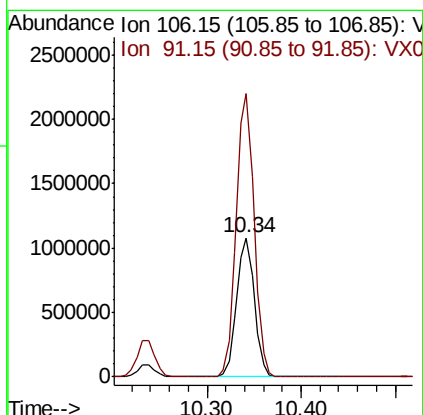
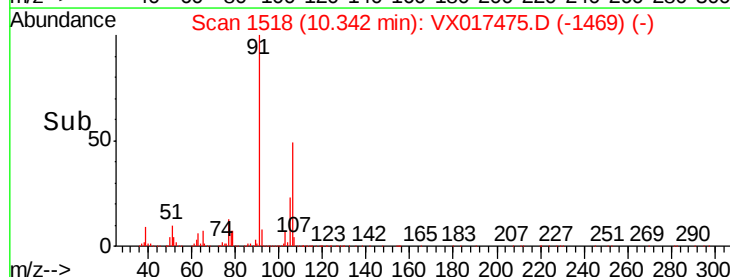
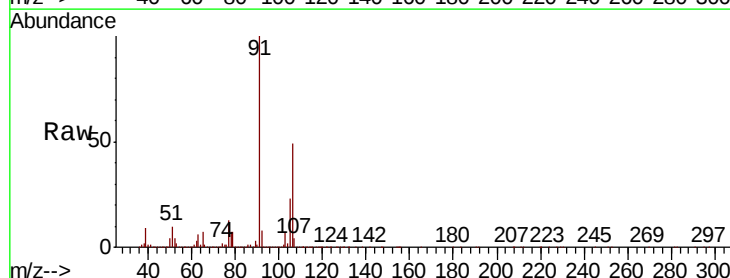
Acq: 22 Jul 2020 19:07

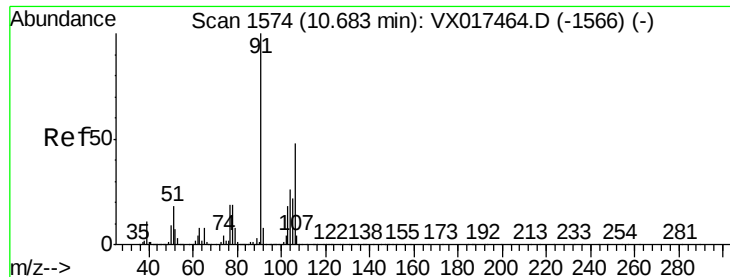
Tgt Ion: 106 Resp: 1411881

Ion Ratio Lower Upper

106 100

91 203.3 142.7 264.9

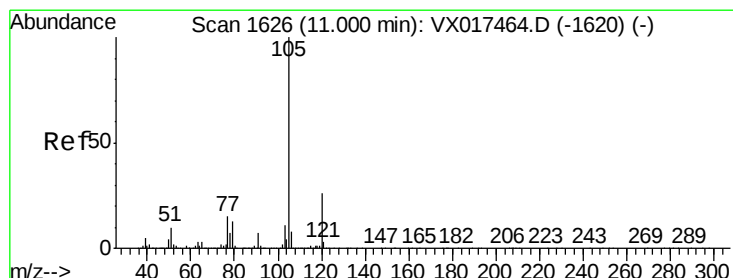
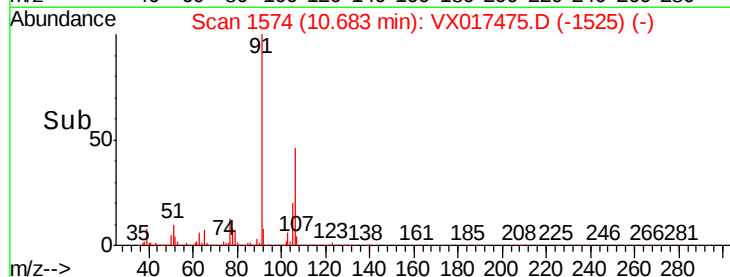
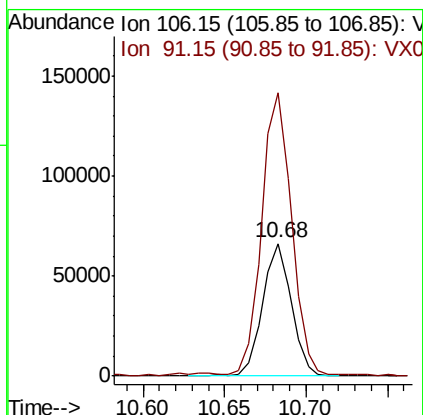
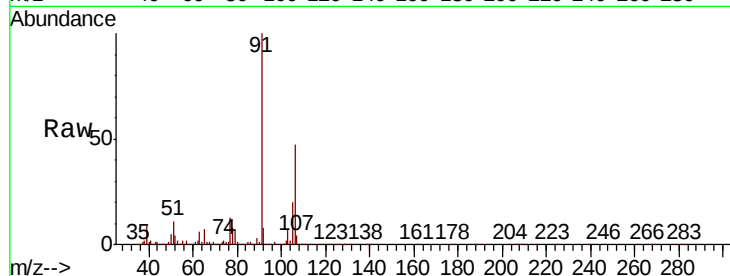




#56
o-xylene
Concen: 1.391 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017475.D
Acq: 22 Jul 2020 19:07

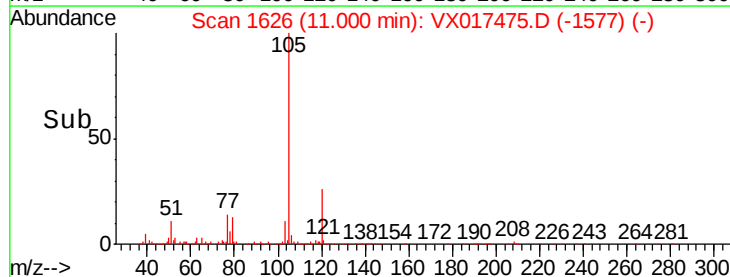
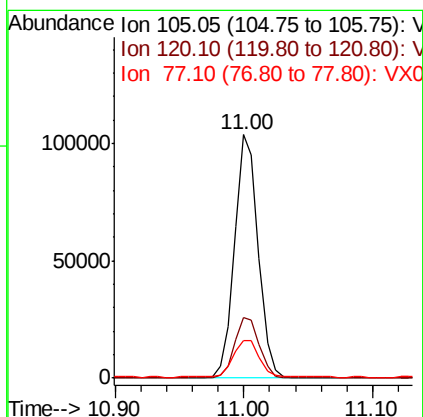
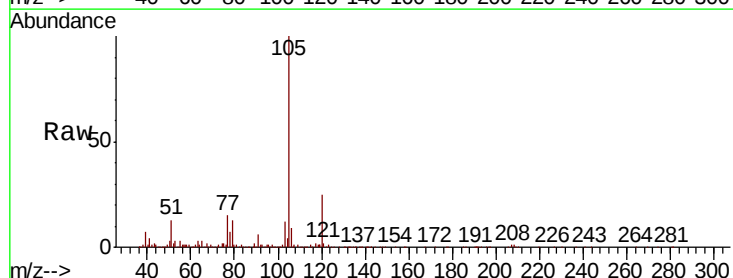
Instrument :
MSVOA_X
ClientSampled :
GAY24

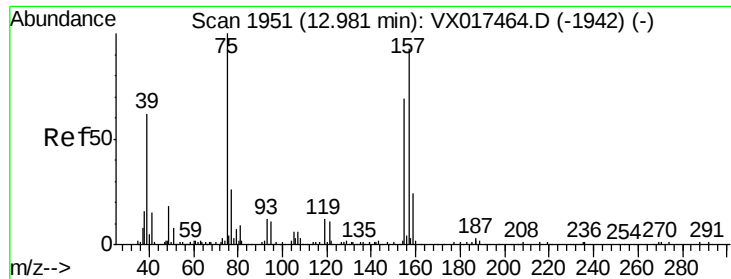
Tot Ion:106 Resp: 80211
Ion Ratio Lower Upper
106 100
91 213.3 153.4 284.8



#58
Isopropylbenzene
Concen: 0.893 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX017475.D
Acq: 22 Jul 2020 19:07

Tgt Ion:105 Resp: 133100
Ion Ratio Lower Upper
105 100
120 25.7 21.4 32.2
77 17.9 13.0 19.6

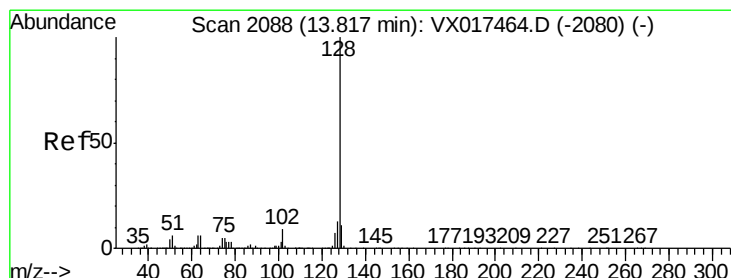
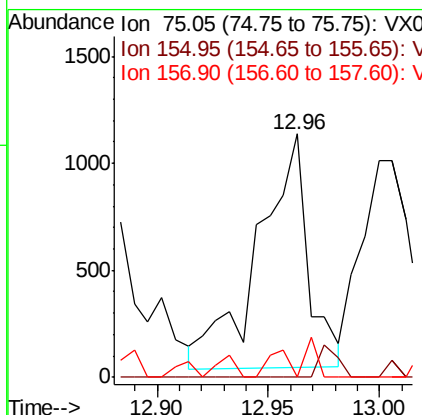
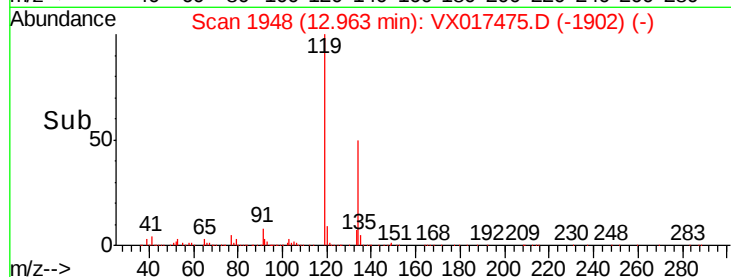
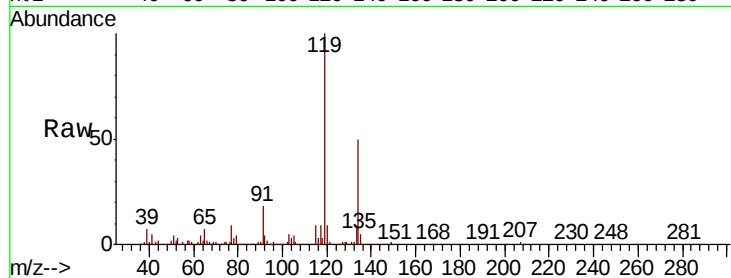




#67
 1,2-Dibromo-3-chloropropane
 Concen: 0.280 ug/L
 RT: 12.96 min Scan# 1948
 Delta R.T. -0.02 min
 Lab File: VX017475.D
 Acq: 22 Jul 2020 19:07

Instrument :
 MSVOA_X
 ClientSampled :
 GAY24

Tot Ion: 75 Resp: 1695
 Ion Ratio Lower Upper
 75 100
 155 0.0 59.6 89.4#
 157 0.0 78.7 118.1#



#70
 Naphthalene
 Concen: 4.379 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VX017475.D
 Acq: 22 Jul 2020 19:07

Tgt Ion: 128 Resp: 351453
 Ion Ratio Lower Upper
 128 100
 129 11.7 8.7 13.1
 127 12.8 10.2 15.4

