

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072220\
 Data File : VX017472.D
 Acq On : 22 Jul 2020 17:54
 Operator : JC/SP
 Sample : L3395-13
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GAY21

Quant Time: Jul 23 03:02:44 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	484078	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	440099	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	224602	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	135785	3.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.00%
7) Chloroethane-d5	1.69	69	104092	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.20%
11) 1,1-Dichloroethene-d2	2.34	63	205427	2.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.00%#
20) 2-Butanone-d5	4.53	46	336227	47.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.60%
24) Chloroform-d	5.14	84	257252	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
26) 1,2-Dichloroethane-d4	6.03	65	142528	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
32) Benzene-d6	6.05	84	516175	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	7.37	67	158912	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	8.70	98	484713	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
45) trans-1,3-Dichloropropene-	8.99	79	67826	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
48) 2-Hexanone-d5	9.43	63	265880	53.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.64%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	107971	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	181239	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.42	43	76807	13.533	ug/L	99
15) Methyl Acetate	2.75	43	37521	2.271	ug/L #	74
16) Methylene chloride	2.83	84	10837	0.230	ug/L	96
21) 2-Butanone	4.79	43	3420000	378.297	ug/L #	51
22) cis-1,2-Dichloroethene	4.56	96	6553	0.182	ug/L #	79
25) Chloroform	5.18	83	6092	0.090	ug/L	76
27) 1,2-Dichloroethane	6.05	62	4560	0.105	ug/L	97
30) Cyclohexane	5.56	56	9106	0.191	ug/L #	87
33) Benzene	6.12	78	90683	0.700	ug/L	100
34) Trichloroethene	7.19	95	8646	0.247	ug/L	88
35) Methylcyclohexane	7.43	83	9681	0.205	ug/L #	49
42) Toluene	8.76	91	151493	1.166	ug/L	98
43) 1,3,5-Trimethylbenzene	11.49	105	89444	0.739	ug/L	99
44) 1,2,4-Trimethylbenzene	11.79	105	343434	2.865	ug/L	99
54) Ethylbenzene	10.24	91	230477	1.635	ug/L	98
55) m,p-xylene	10.34	106	287911	5.116	ug/L	99
56) o-xylene	10.68	106	63123	1.156	ug/L	95

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ClientSampleId :
GAY21

Quant Time: Jul 23 03:02:44 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

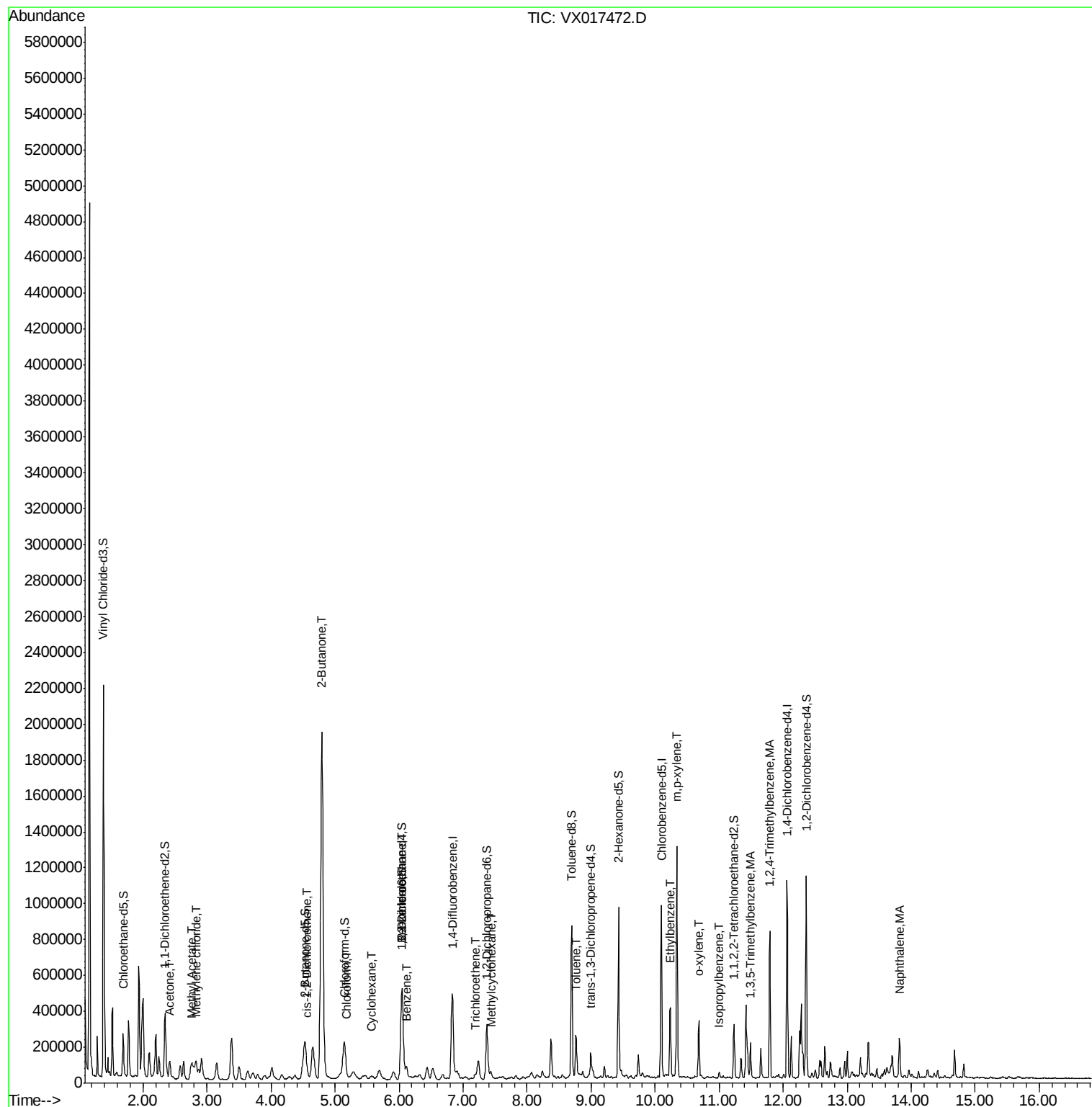
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) Isopropylbenzene	11.00	105	15081	0.107	ug/L #	93
70) Naphthalene	13.82	128	135613	1.737	ug/L	96

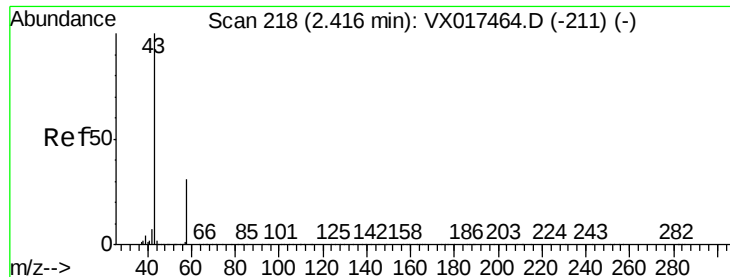
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072220\
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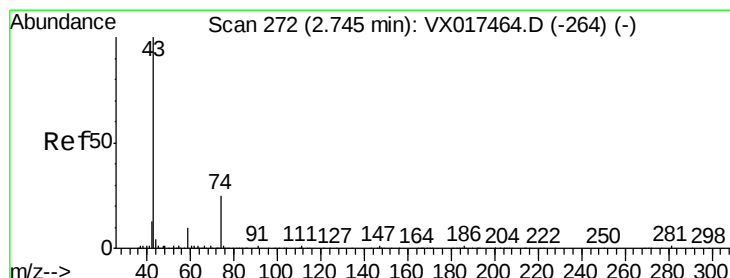
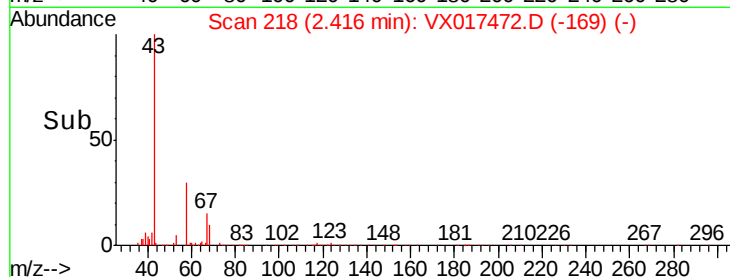
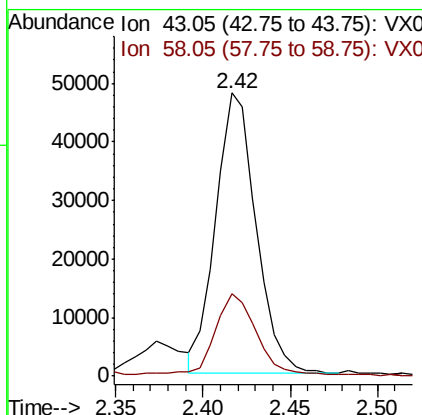
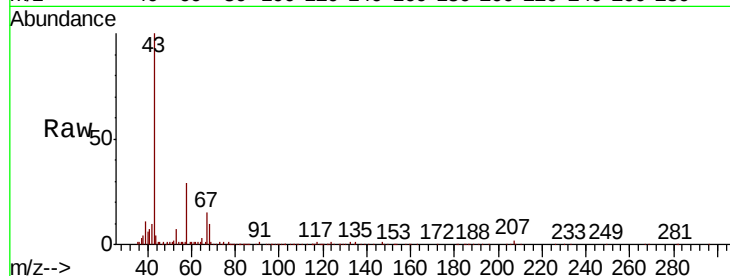




#13
Acetone
Concen: 13.533 ug/L
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX017472.D
Acq: 22 Jul 2020 17:54

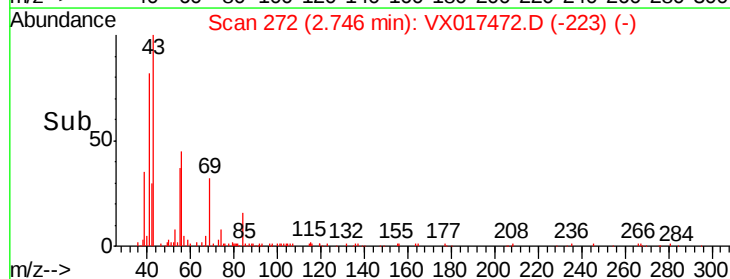
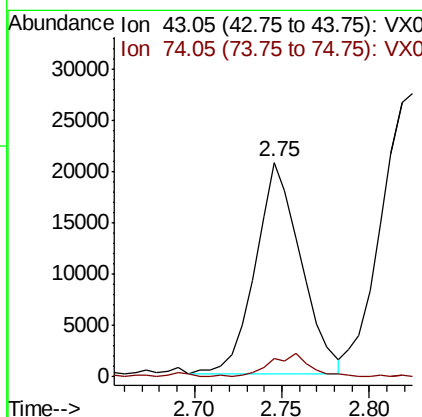
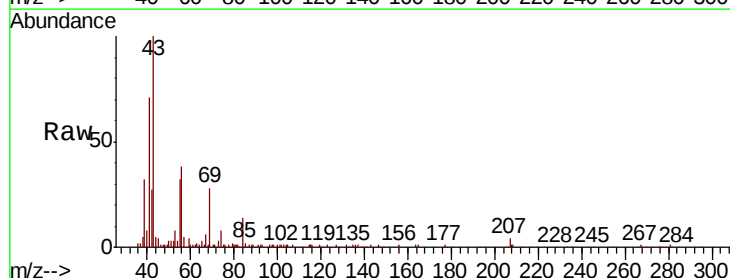
Instrument :
MSVOA_X
ClientSampled :
GAY21

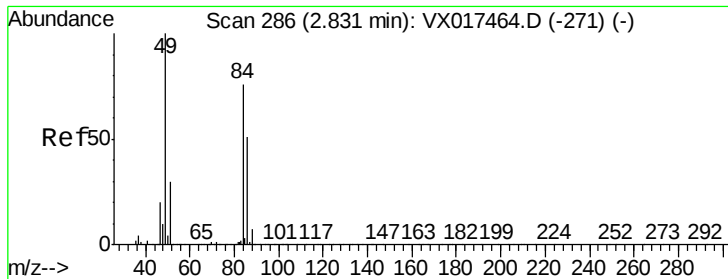
Tot Ion: 43 Resp: 76807
Ion Ratio Lower Upper
43 100
58 29.9 0.0 58.6



#15
Methyl Acetate
Concen: 2.271 ug/L
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX017472.D
Acq: 22 Jul 2020 17:54

Tgt Ion: 43 Resp: 37521
Ion Ratio Lower Upper
43 100
74 9.8 17.6 26.4#

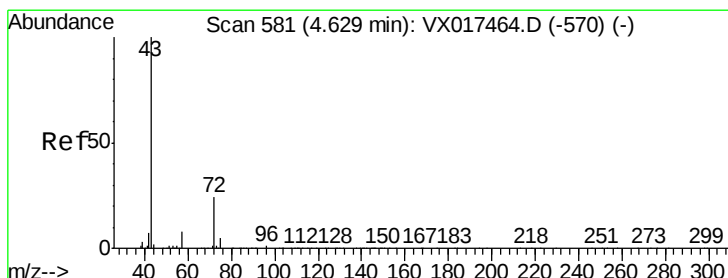
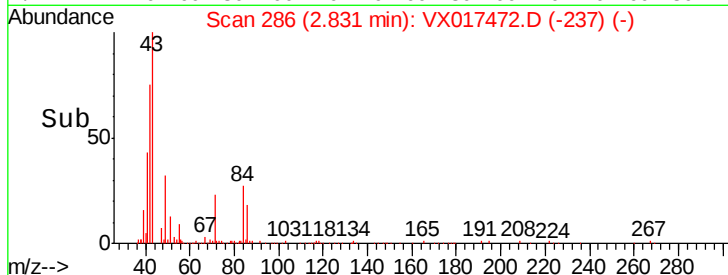
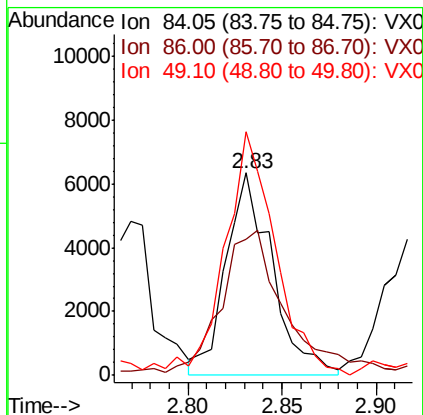
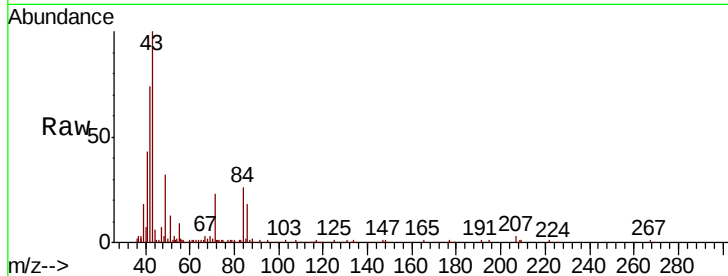




#16
Methvlene chloride
Concen: 0.230 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX017472.D
Acq: 22 Jul 2020 17:54

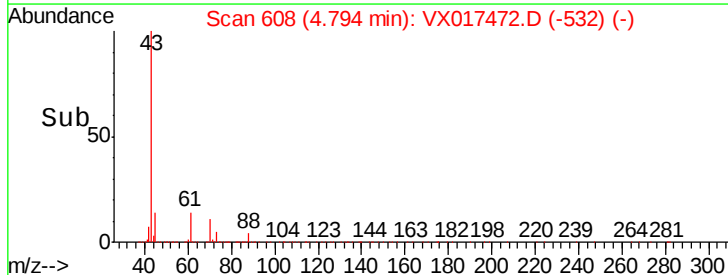
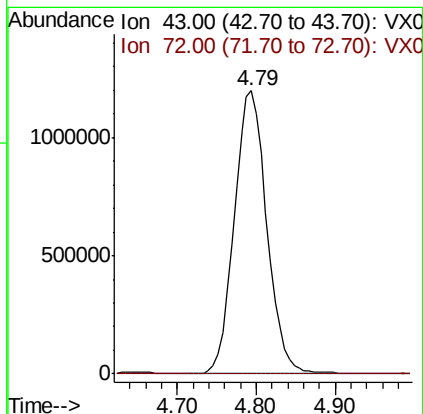
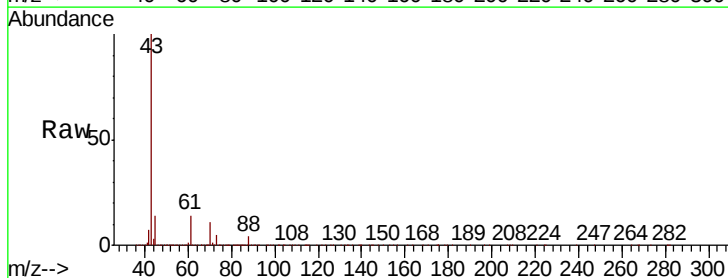
Instrument :
MSVOA_X
ClientSampleId :
GAY21

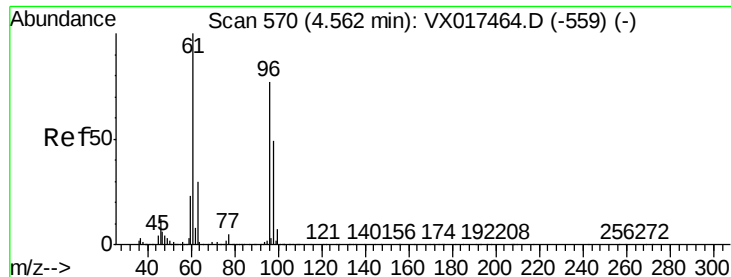
Tot Ion: 84 Resp: 10837
Ion Ratio Lower Upper
84 100
86 67.2 44.8 83.2
49 120.4 81.0 150.4



#21
2-Butanone
Concen: 378.297 ug/L
RT: 4.79 min Scan# 608
Delta R.T. 0.16 min
Lab File: VX017472.D
Acq: 22 Jul 2020 17:54

Tgt Ion: 43 Resp: 3420000
Ion Ratio Lower Upper
43 100
72 0.1 12.1 36.3#





#22

cis-1,2-Dichloroethene

Concen: 0.182 ug/L

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX017472.D

Acq: 22 Jul 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

GAY21

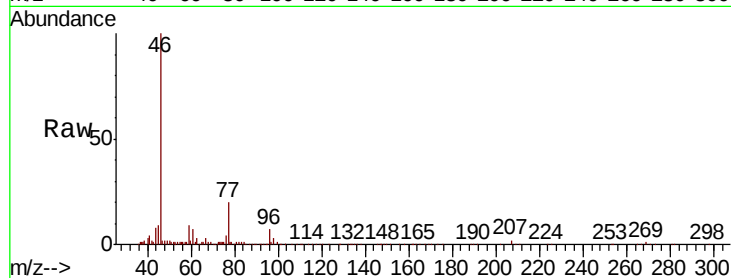
Tot Ion: 96 Resp: 6553

Ion Ratio Lower Upper

96 100

61 106.2 91.6 170.2

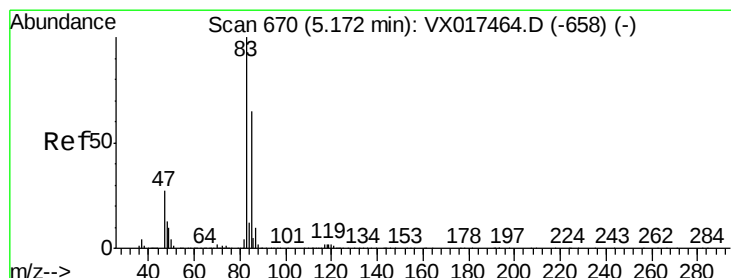
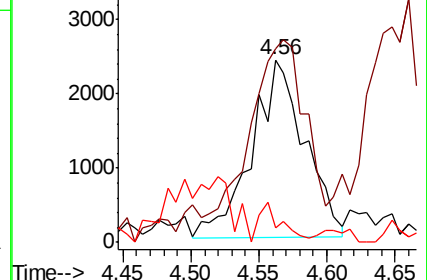
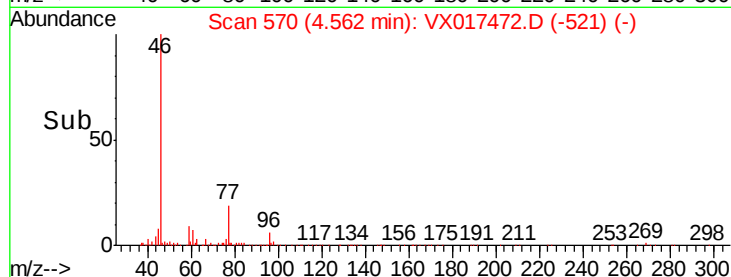
68 8.2 0.0 0.0#



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



#25

Chloroform

Concen: 0.090 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.01 min

Lab File: VX017472.D

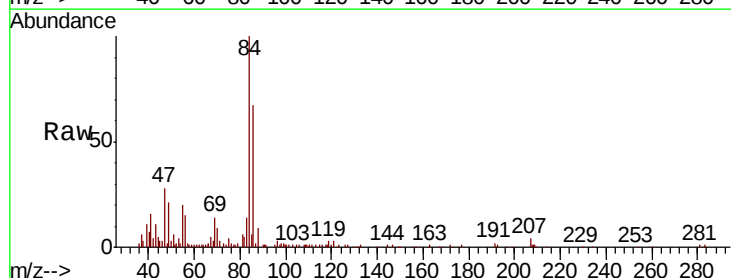
Acq: 22 Jul 2020 17:54

Tgt Ion: 83 Resp: 6092

Ion Ratio Lower Upper

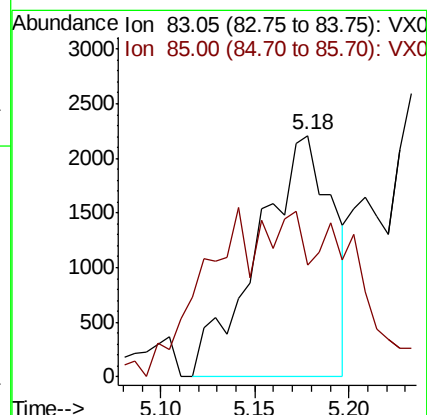
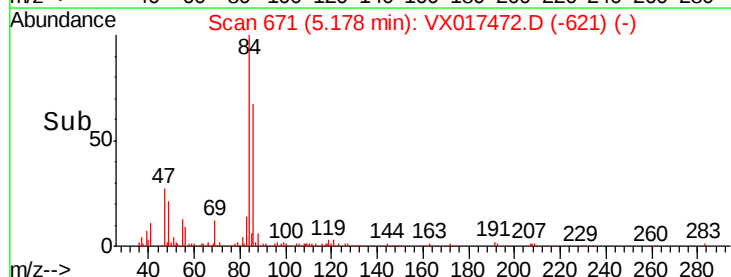
83 100

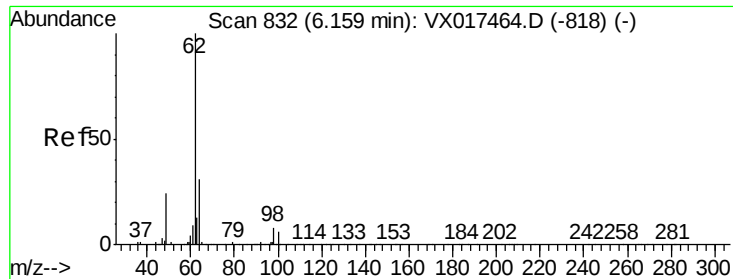
85 46.6 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0

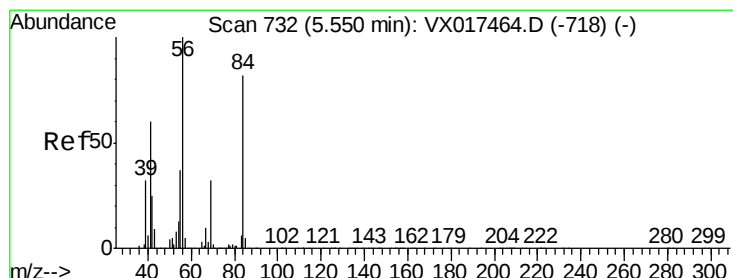
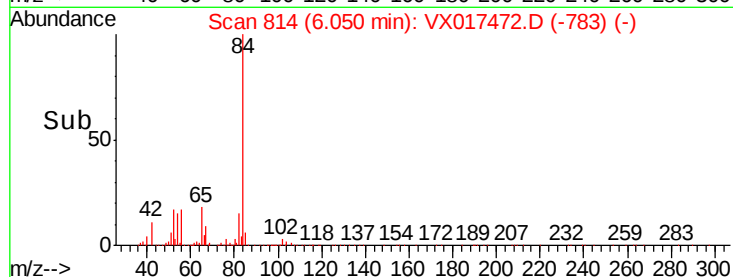
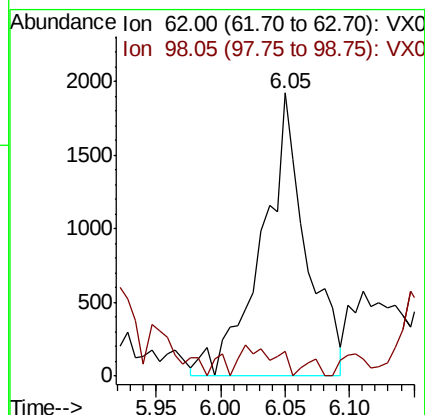
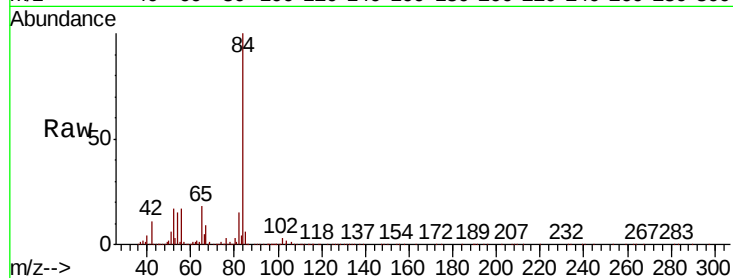




#27
1,2-Dichloroethane
Concen: 0.105 ug/L
RT: 6.05 min Scan# 814
Delta R.T. -0.11 min
Lab File: VX017472.D
Acq: 22 Jul 2020 17:54

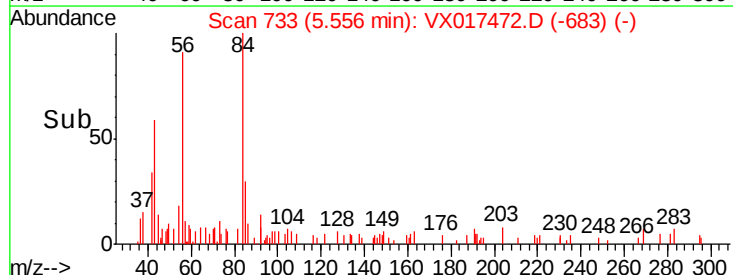
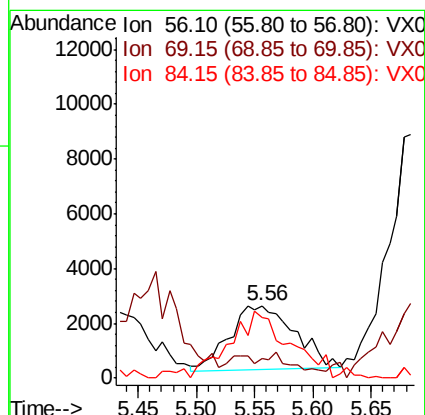
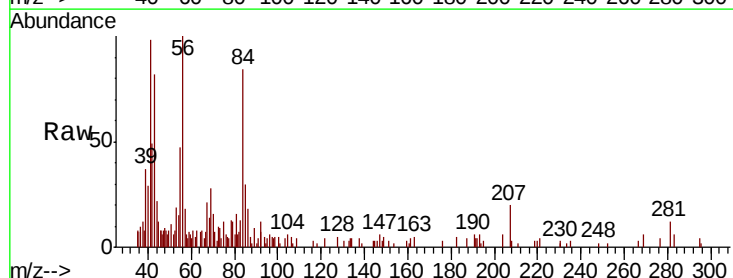
Instrument :
MSVOA_X
ClientSampleId :
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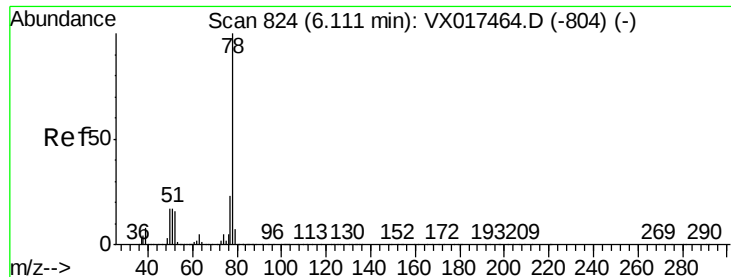
Tot Ion: 62 Resp: 4560
Ion Ratio Lower Upper
62 100
98 8.5 7.7 11.5



#30
Cyclohexane
Concen: 0.191 ug/L
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX017472.D
Acq: 22 Jul 2020 17:54

Tgt Ion: 56 Resp: 9106
Ion Ratio Lower Upper
56 100
69 14.1 25.4 38.2#
84 92.5 69.3 103.9





#33

Benzene

Concen: 0.700 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX017472.D

Acq: 22 Jul 2020 17:54

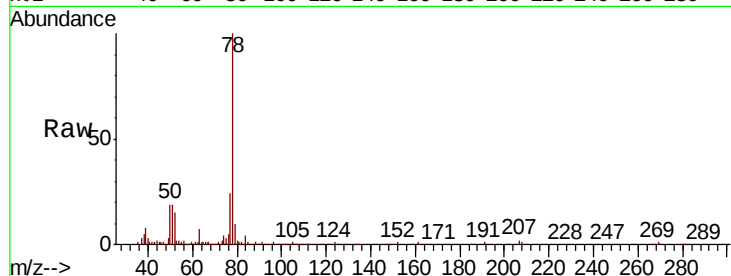
Instrument :

MSVOA_X

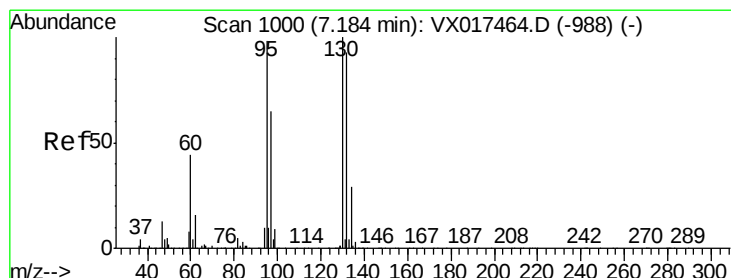
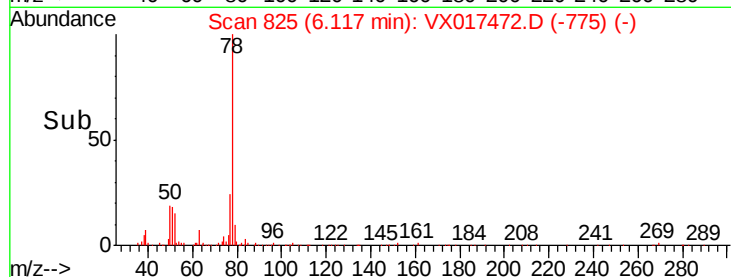
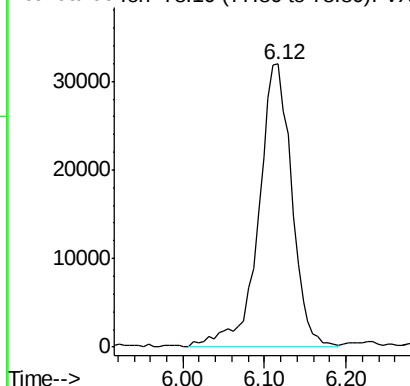
ClientSampled :

GAY21

Tgt Ion: 78 Resp: 90683



Abundance Ion 78.10 (77.80 to 78.80): VX0



#34

Trichloroethene

Concen: 0.247 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX017472.D

Acq: 22 Jul 2020 17:54

Tgt Ion: 95 Resp: 8646

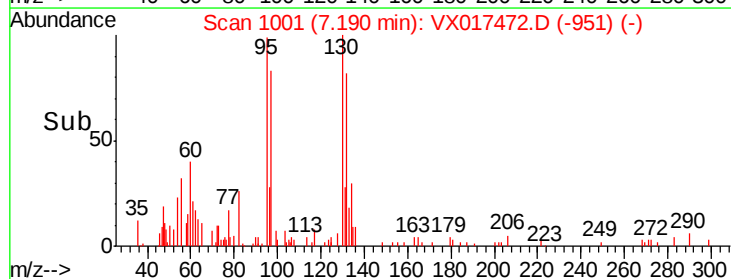
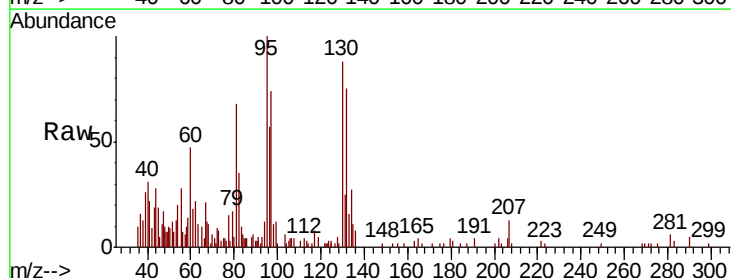
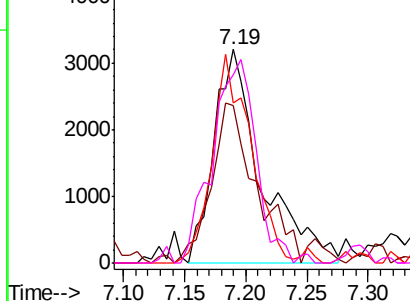
Ion	Ratio	Lower	Upper
95	100		
97	73.5	45.9	85.3
132	75.2	65.5	121.7
130	88.4	66.5	123.5

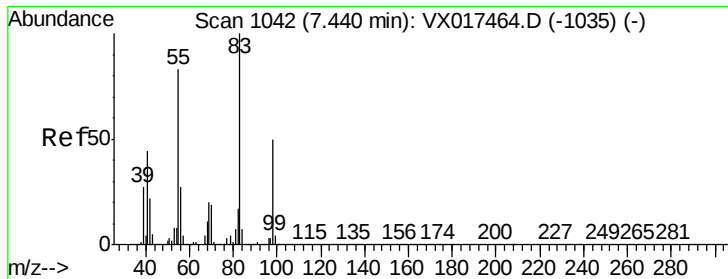
Abundance Ion 95.00 (94.70 to 95.70): VX0

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

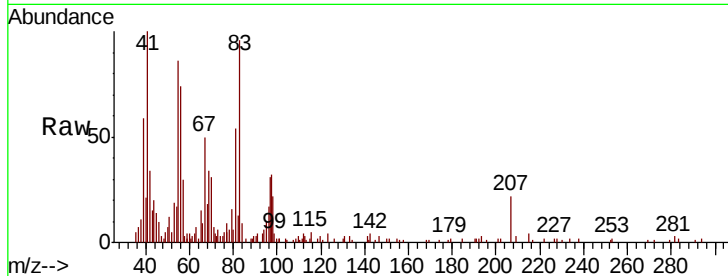




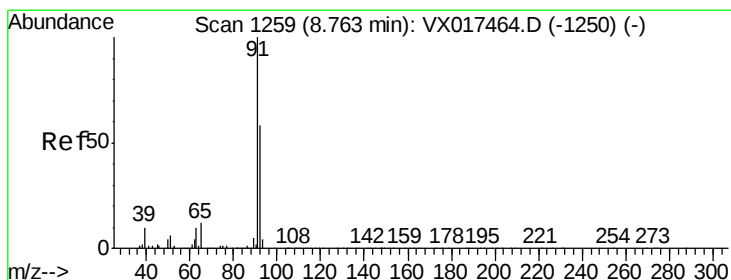
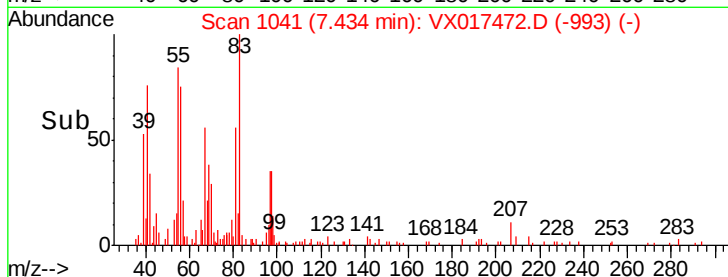
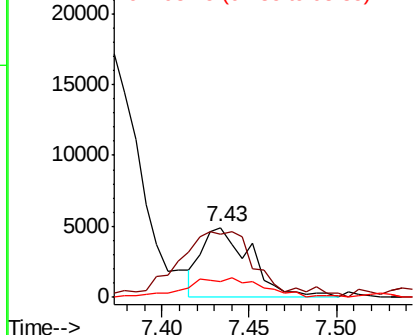
#35
Methylcyclohexane
Concen: 0.205 ug/L
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX017472.D
Acq: 22 Jul 2020 17:54

Instrument :
MSVOA_X
ClientSampled :
GAY21

Tot Ion: 83 Resp: 9681
Ion Ratio Lower Upper
83 100
55 151.0 65.4 98.2#
98 44.1 39.8 59.8

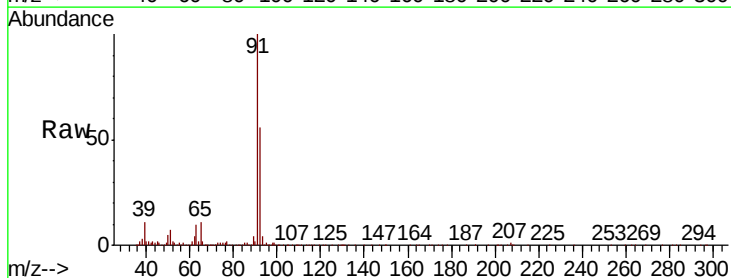


Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

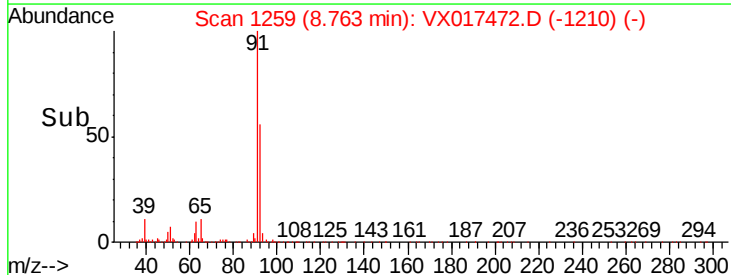
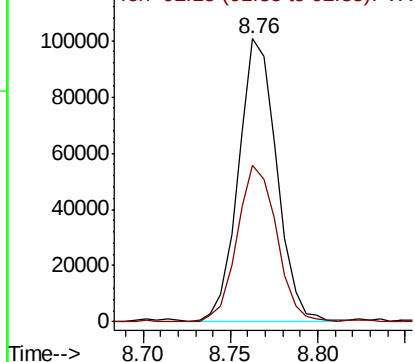


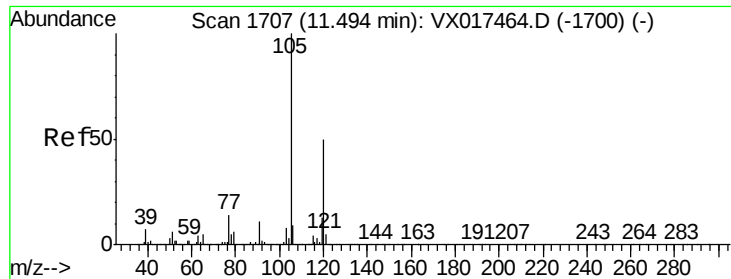
#42
Toluene
Concen: 1.166 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX017472.D
Acq: 22 Jul 2020 17:54

Tgt Ion: 91 Resp: 151493
Ion Ratio Lower Upper
91 100
92 55.6 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: 0.739 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017472.D

Acq: 22 Jul 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

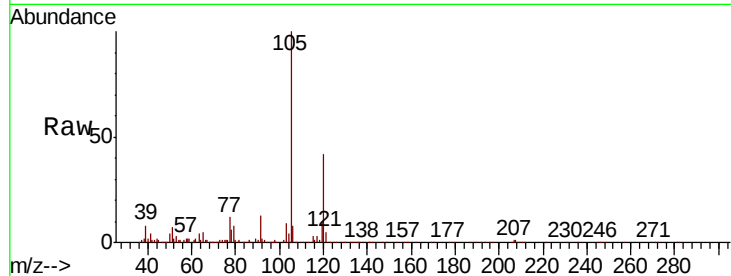
GAY21

Tot Ion:105 Resp: 89444

Ion Ratio Lower Upper

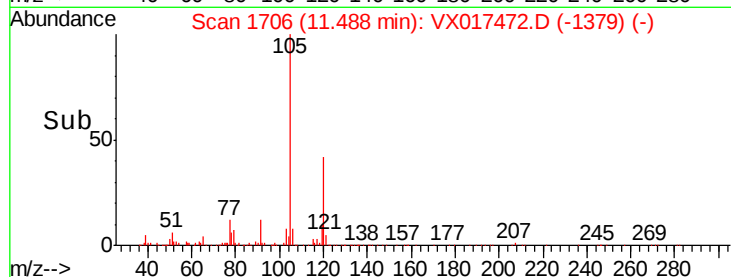
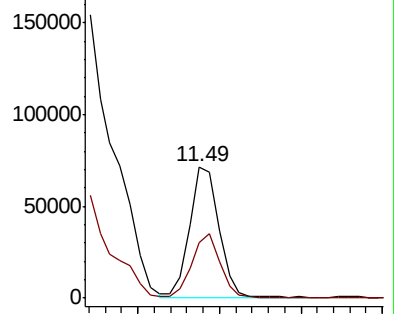
105 100

120 47.1 38.2 57.2

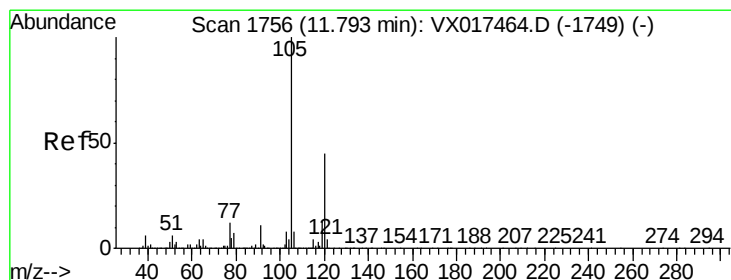


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#44

1,2,4-Trimethylbenzene

Concen: 2.865 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX017472.D

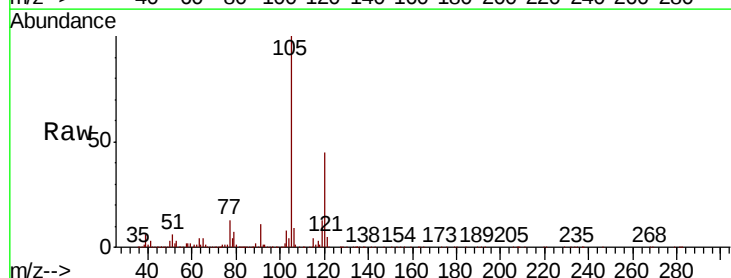
Acq: 22 Jul 2020 17:54

Tgt Ion:105 Resp: 343434

Ion Ratio Lower Upper

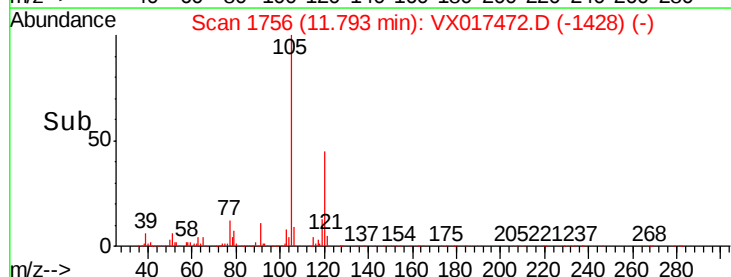
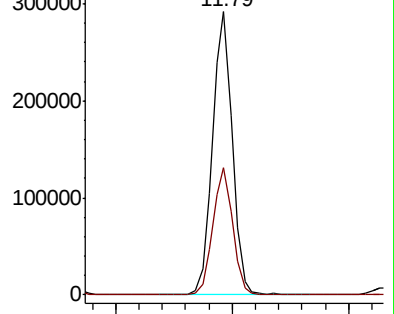
105 100

120 45.2 36.5 54.7

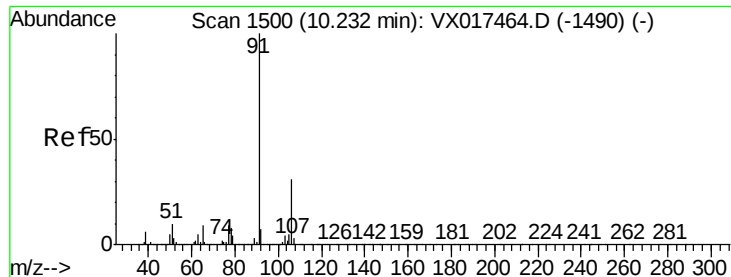


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#54

Ethylbenzene

Concen: 1.635 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017472.D

Acq: 22 Jul 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

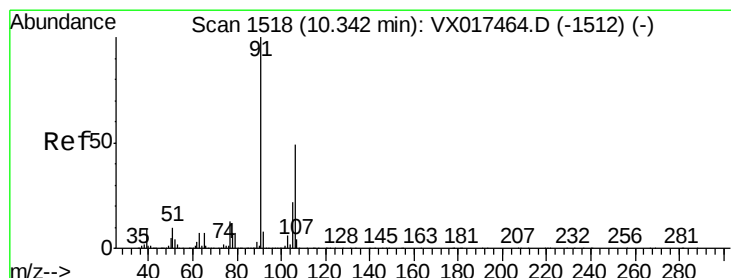
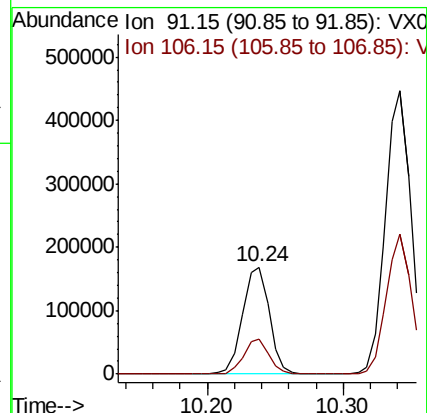
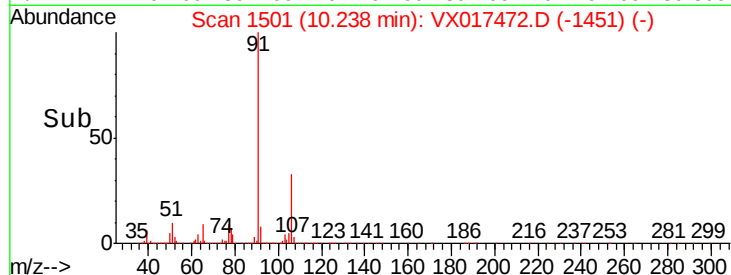
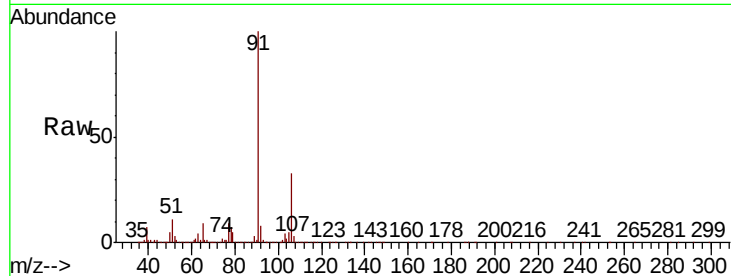
GAY21

Tot Ion: 91 Resp: 230477

Ion Ratio Lower Upper

91 100

106 33.3 22.5 41.7



#55

m,p-xylene

Concen: 5.116 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017472.D

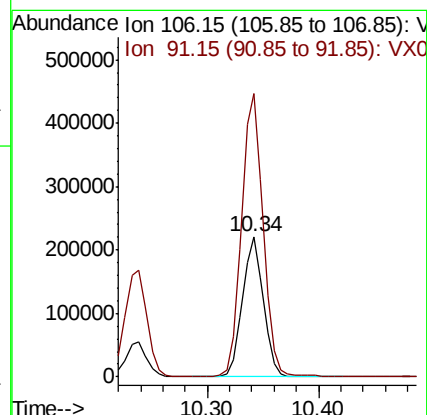
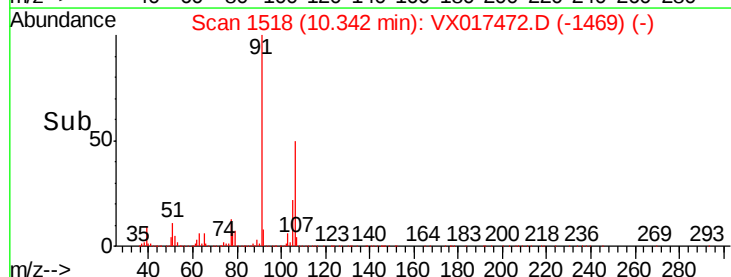
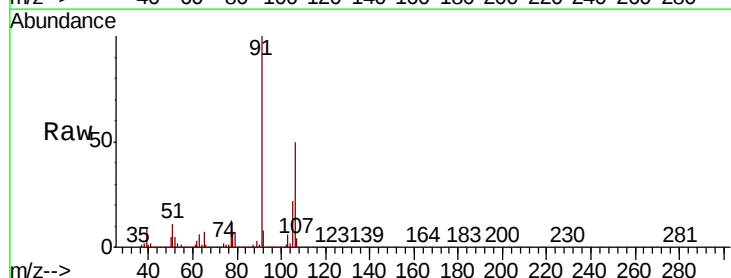
Acq: 22 Jul 2020 17:54

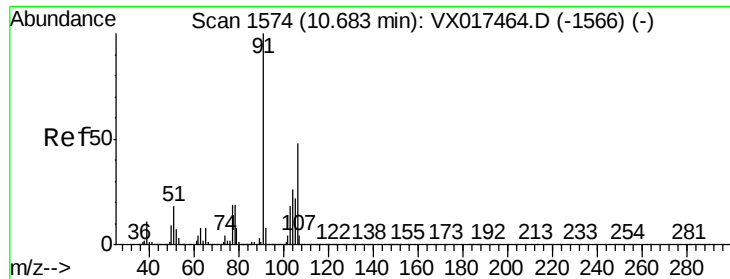
Tgt Ion: 106 Resp: 287911

Ion Ratio Lower Upper

106 100

91 201.9 142.7 264.9

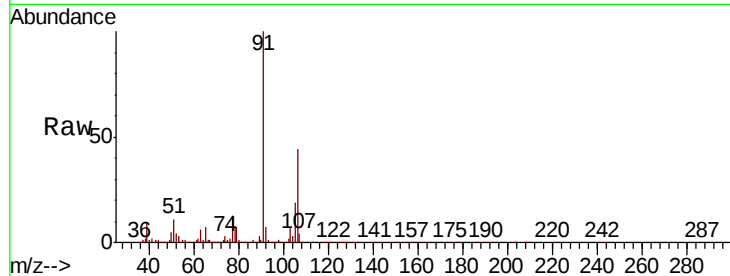




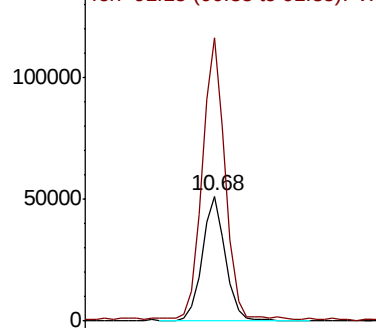
#56
o-xylene
Concen: 1.156 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017472.D
Acq: 22 Jul 2020 17:54

Instrument :
MSVOA_X
ClientSampled :
GAY21

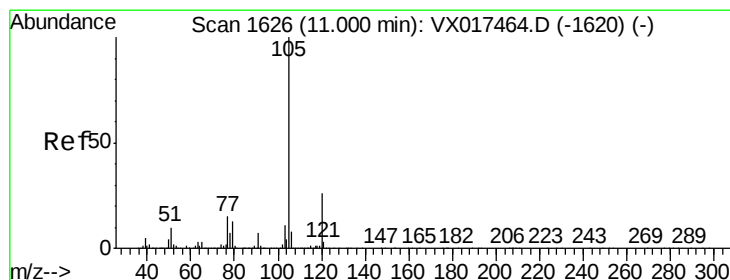
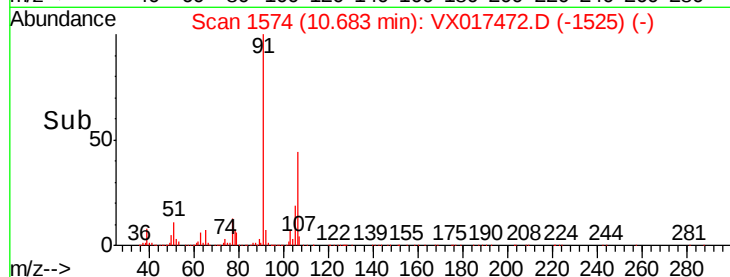
Tot Ion:106 Resp: 63123
Ion Ratio Lower Upper
106 100
91 226.8 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VX0

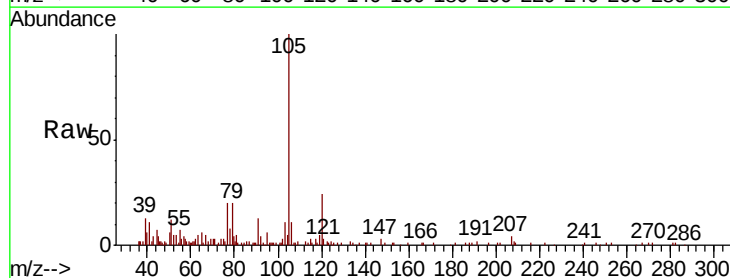


Time-->

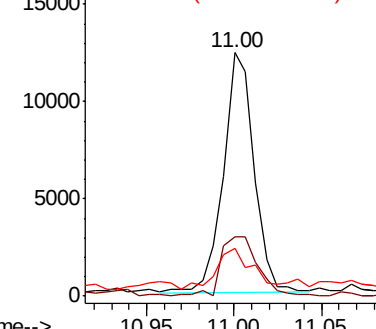


#58
Isopropylbenzene
Concen: 0.107 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX017472.D
Acq: 22 Jul 2020 17:54

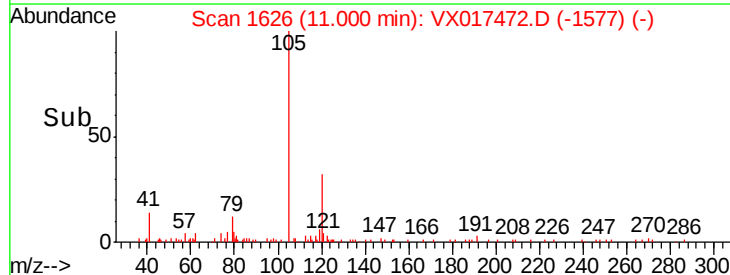
Tgt Ion:105 Resp: 15081
Ion Ratio Lower Upper
105 100
120 29.8 21.4 32.2
77 20.6 13.0 19.6#

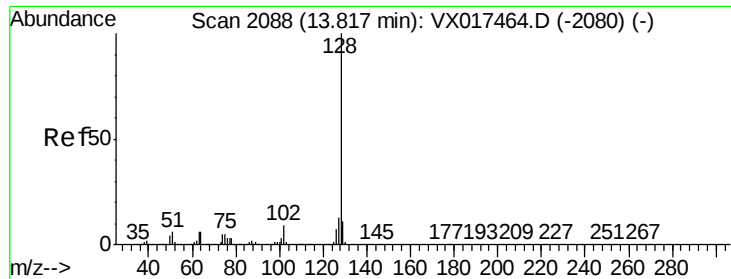


Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VX0



Time-->





#70

Naphthalene

Concen: 1.737 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017472.D

Acq: 22 Jul 2020 17:54

Instrument :

MSVOA_X

ClientSampleId :

GAY21

Tot Ion:128 Resp: 135613

Ion Ratio Lower Upper

128 100

129 12.9 8.7 13.1

127 14.1 10.2 15.4

