

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122521\
 Data File : VX026038.D
 Acq On : 25 Dec 2021 16:54
 Operator : JC/MD
 Sample : M5213-02
 Misc : 6.19G/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 27 05:15:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM122321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 23 21:00:32 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	260150	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	238107	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	128202	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	84156	45.617	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.240%		
7) Chloroethane-d5	1.648	69	42478	28.812	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	57.620%#		
11) 1,1-Dichloroethene-d2	2.276	63	135749	37.132	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.260%		
21) 2-Butanone-d5	4.501	46	111284	69.577	ug/L	0.04
Spiked Amount 100.000	Range 40 - 130		Recovery =	69.580%		
24) Chloroform-d	5.062	84	159837	43.295	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.580%		
26) 1,2-Dichloroethane-d4	5.958	65	124253	49.709	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.420%		
32) Benzene-d6	5.970	84	373165	54.449	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	108.900%		
36) 1,2-Dichloropropane-d6	7.312	67	115614	54.269	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	108.540%		
41) Toluene-d8	8.647	98	334626	52.293	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.580%		
43) trans-1,3-Dichloroprop...	8.952	79	38925	41.996	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.000%		
47) 2-Hexanone-d5	9.397	63	123055	111.920	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery =	111.920%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	169145	53.845	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	107.700%		
66) 1,2-Dichlorobenzene-d4	12.323	152	143146	59.088	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	118.180%		
Target Compounds						Qvalue
13) Acetone	2.422	43	3554	4.064	ug/L	89
22) 2-Butanone	4.599	43	14059	8.635	ug/L #	54
25) Chloroform	5.099	83	18580	5.072	ug/L	89
33) Benzene	6.037	78	15808	2.091	ug/L	100
35) Methylcyclohexane	7.312	83	27848	9.097	ug/L #	20
37) 1,2-Dichloropropane	7.306	63	13510	7.040	ug/L #	85
39) cis-1,3-Dichloropropene	8.330	75	3003	1.089	ug/L #	71
44) trans-1,3-Dichloropropene	8.952	75	2129	0.814	ug/L	99
48) 2-Hexanone	9.397	43	18113	7.381	ug/L #	60
52) Ethylbenzene	10.195	91	780574	89.384	ug/L	97
53) m,p-Xylene	10.305	106	241103	72.325	ug/L	95
54) o-Xylene	10.646	106	3997	1.210	ug/L	77
57) 1,1,2,2-Tetrachloroethane	11.220	83	4705	1.510	ug/L #	43
60) Isopropylbenzene	11.402	105	99486	11.295	ug/L	96
62) 1,3,5-Trimethylbenzene	11.457	105	5062	0.686	ug/L	96
63) 1,2,4-Trimethylbenzene	11.756	105	502994	68.082	ug/L #	81
68) 1,2-Dibromo-3-chloropr...	12.616	75	1079	1.599	ug/L #	1
71) Naphthalene	13.780	128	183442	20.653	ug/L	99

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 27 05:15:54 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML122321WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 23 21:00:32 2021
Response via : Initial Calibration

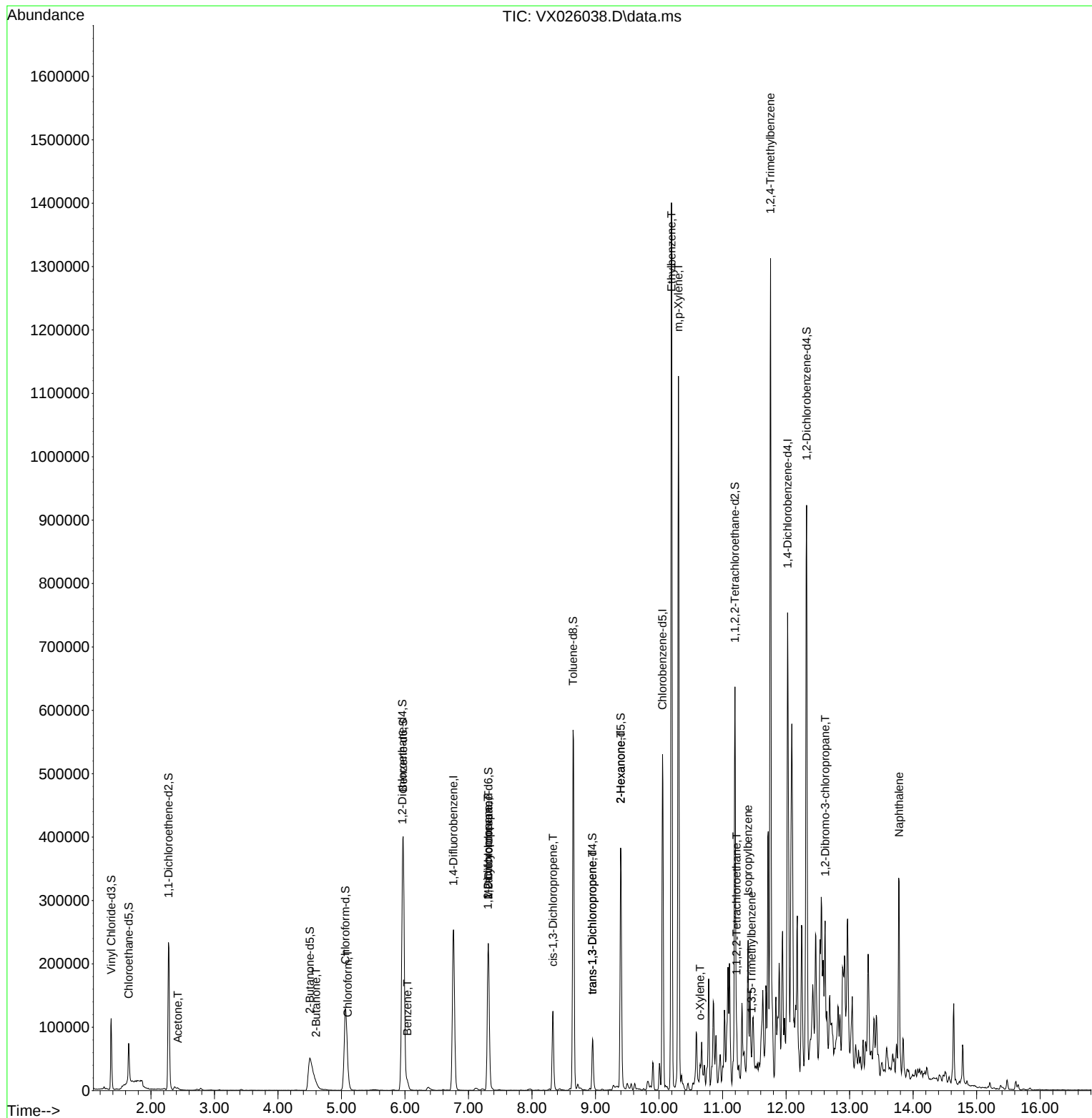
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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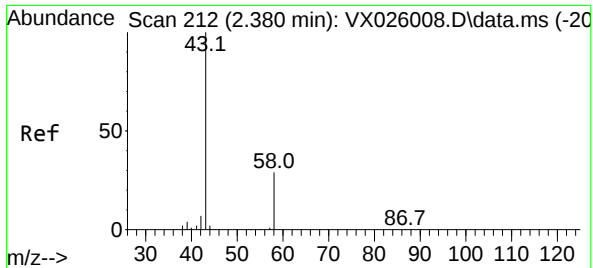
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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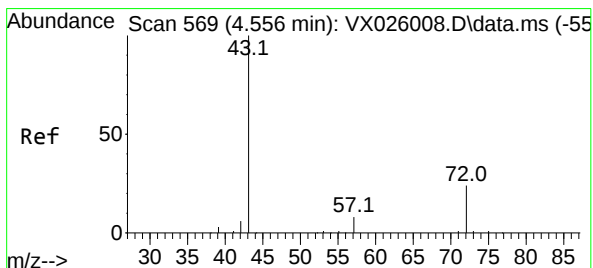
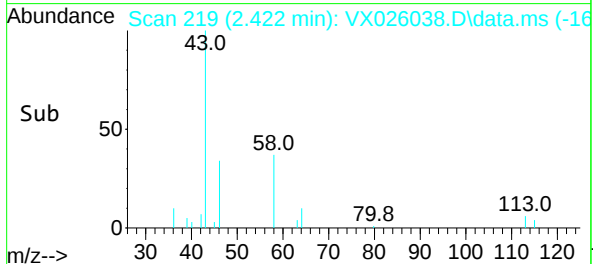
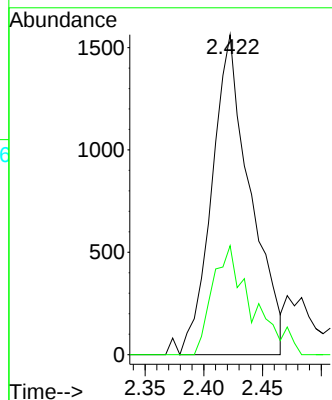
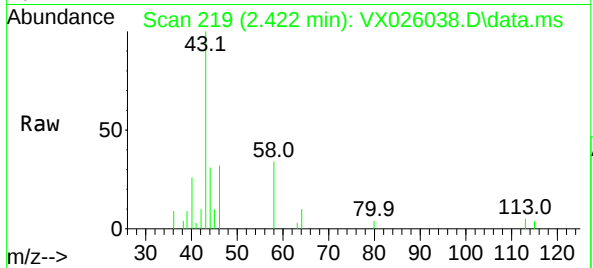




#13
Acetone
Concen: 4.064 ug/L
RT: 2.422 min Scan# 212
Delta R.T. 0.043 min
Lab File: VX026038.D
Acq: 25 Dec 2021 16:54

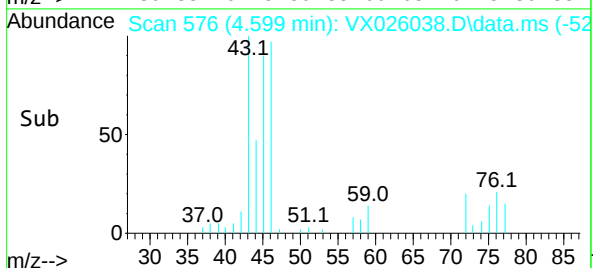
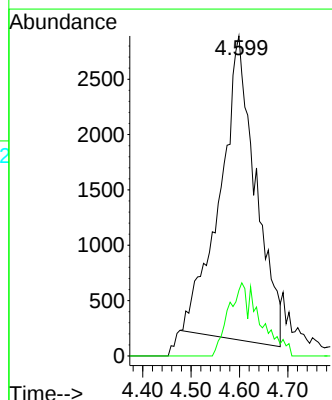
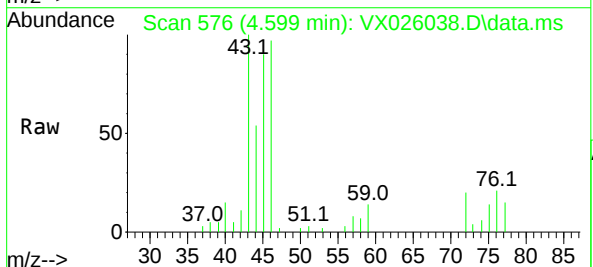
Instrument :
MSVOA_X
ClientSampleId :

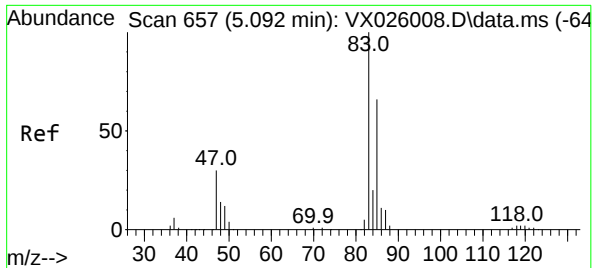
Tgt Ion: 43 Resp: 3554
Ion Ratio Lower Upper
43 100
58 26.5 0.0 65.6



#22
2-Butanone
Concen: 8.635 ug/L
RT: 4.599 min Scan# 576
Delta R.T. 0.037 min
Lab File: VX026038.D
Acq: 25 Dec 2021 16:54

Tgt Ion: 43 Resp: 14059
Ion Ratio Lower Upper
43 100
72 3.5 13.8 41.3#





#25

Chloroform

Concen: 5.072 ug/L

RT: 5.099 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX026038.D

Acq: 25 Dec 2021 16:54

Instrument :

MSVOA_X

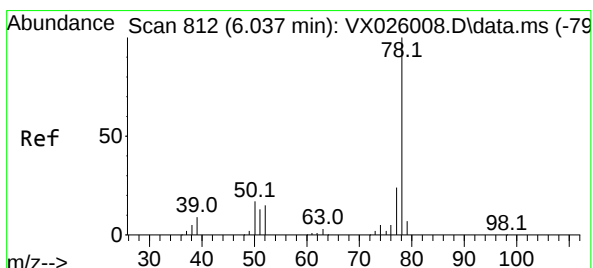
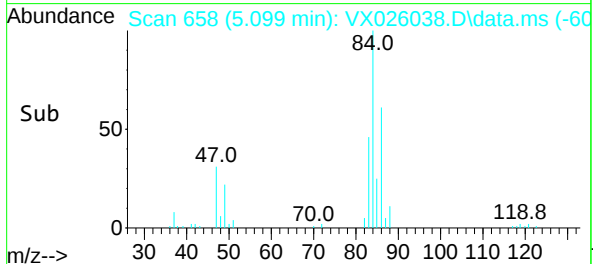
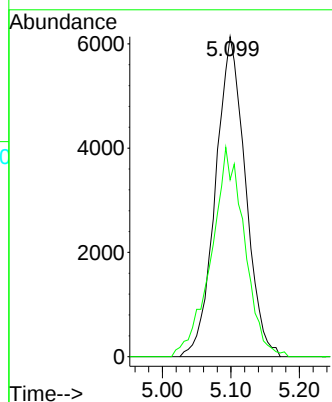
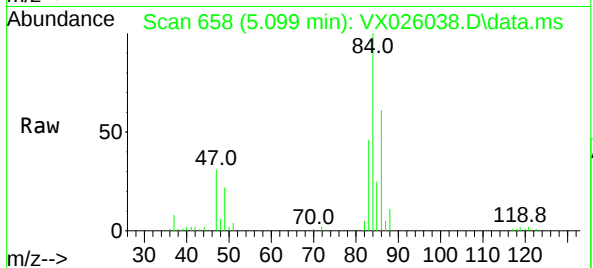
ClientSampleId :

Tgt Ion: 83 Resp: 18580

Ion Ratio Lower Upper

83 100

85 55.3 44.9 83.5



#33

Benzene

Concen: 2.091 ug/L

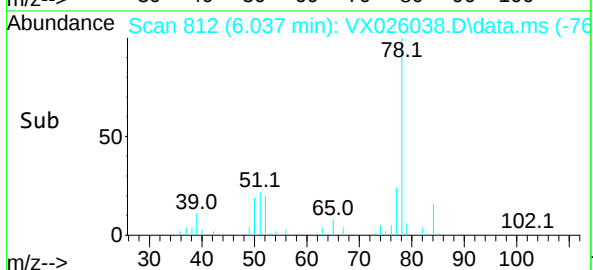
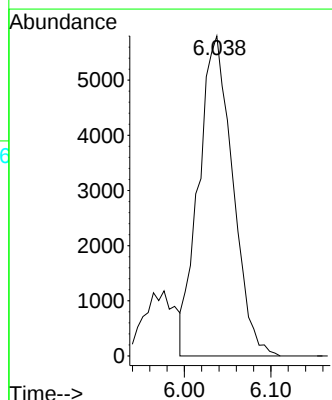
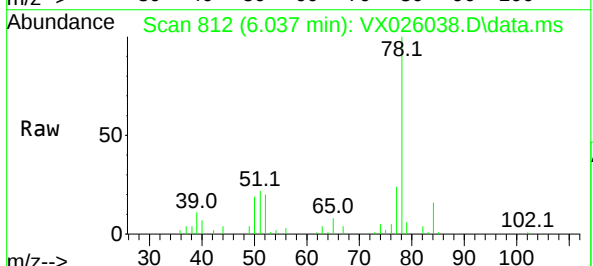
RT: 6.037 min Scan# 812

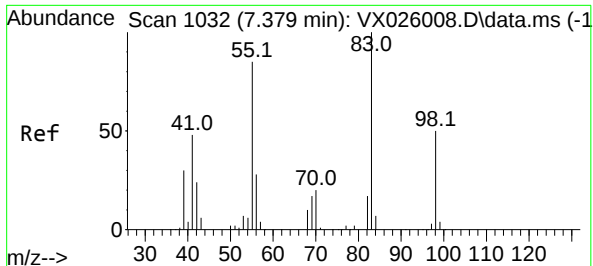
Delta R.T. -0.006 min

Lab File: VX026038.D

Acq: 25 Dec 2021 16:54

Tgt Ion: 78 Resp: 15808





#35

Methylcyclohexane

Concen: 9.097 ug/L

RT: 7.312 min Scan# 1021

Delta R.T. -0.073 min

Lab File: VX026038.D

Acq: 25 Dec 2021 16:54

Instrument :

MSVOA_X

ClientSampleId :

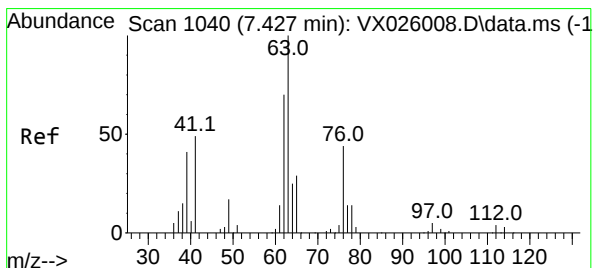
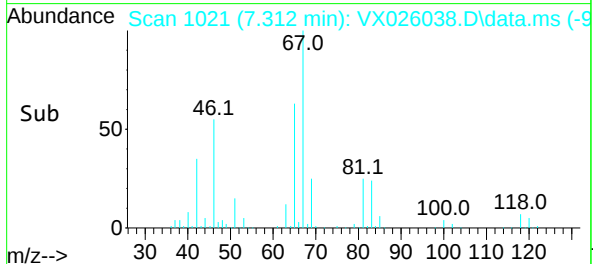
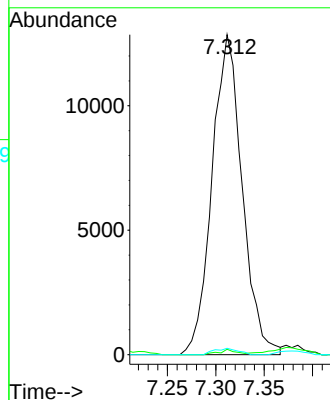
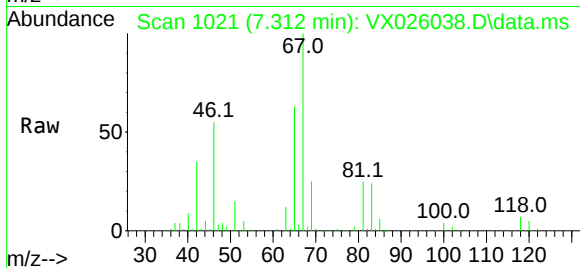
Tgt Ion: 83 Resp: 27848

Ion Ratio Lower Upper

83 100

55 0.6 57.3 85.9#

98 1.6 41.1 61.7#



#37

1,2-Dichloropropane

Concen: 7.040 ug/L

RT: 7.306 min Scan# 1020

Delta R.T. -0.128 min

Lab File: VX026038.D

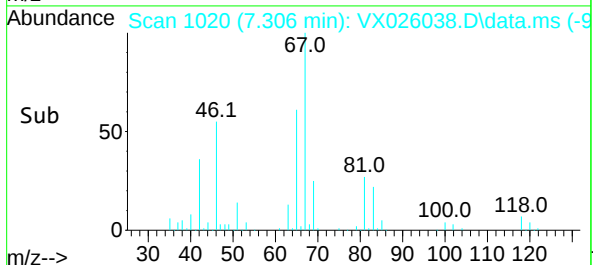
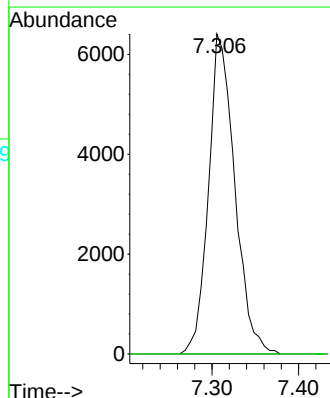
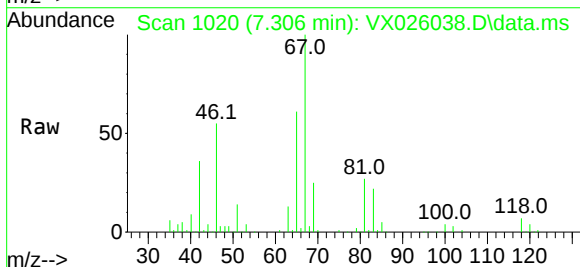
Acq: 25 Dec 2021 16:54

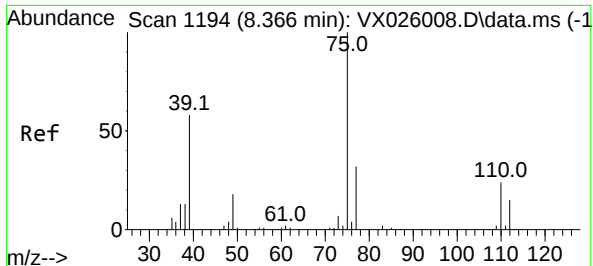
Tgt Ion: 63 Resp: 13510

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 1.089 ug/L

RT: 8.330 min Scan# 1194

Delta R.T. -0.037 min

Lab File: VX026038.D

Acq: 25 Dec 2021 16:54

Instrument :

MSVOA_X

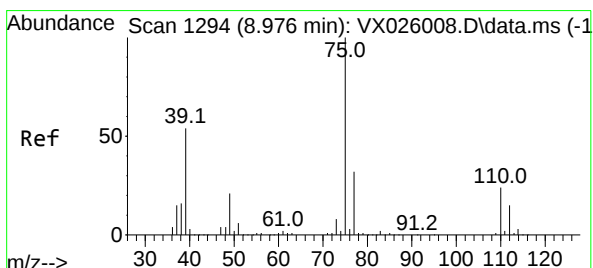
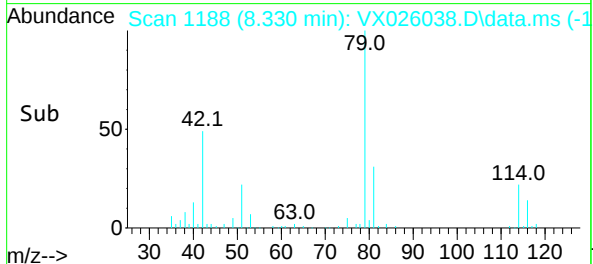
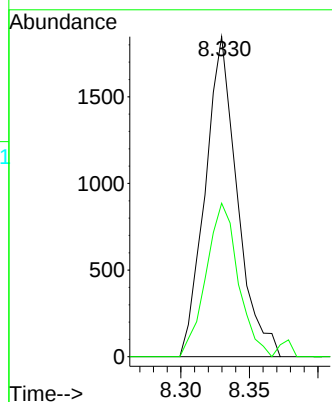
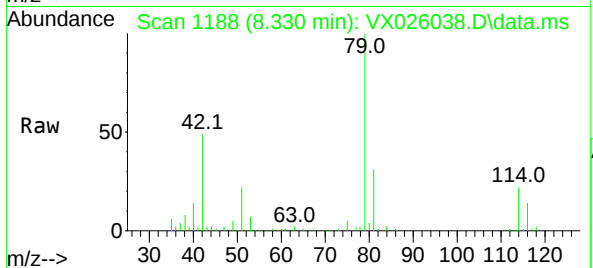
ClientSampleId :

Tgt Ion: 75 Resp: 3003

Ion Ratio Lower Upper

75 100

77 48.0 22.3 41.3#



#44

trans-1,3-Dichloropropene

Concen: 0.814 ug/L

RT: 8.952 min Scan# 1290

Delta R.T. -0.030 min

Lab File: VX026038.D

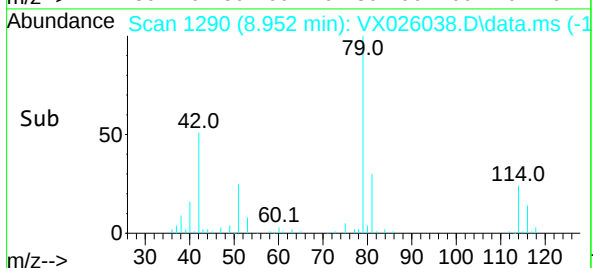
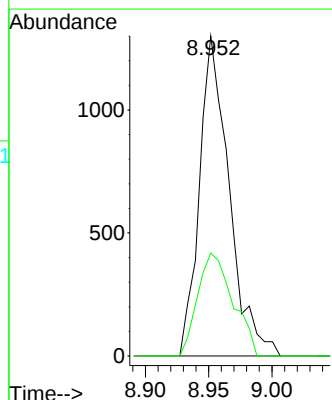
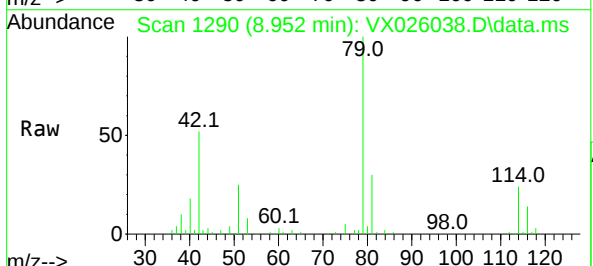
Acq: 25 Dec 2021 16:54

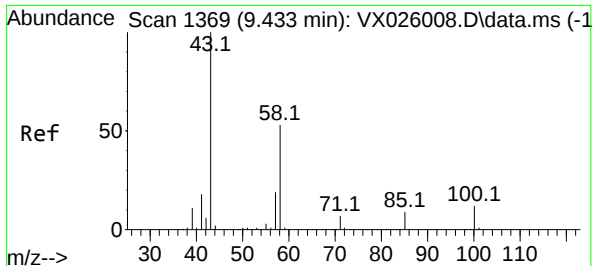
Tgt Ion: 75 Resp: 2129

Ion Ratio Lower Upper

75 100

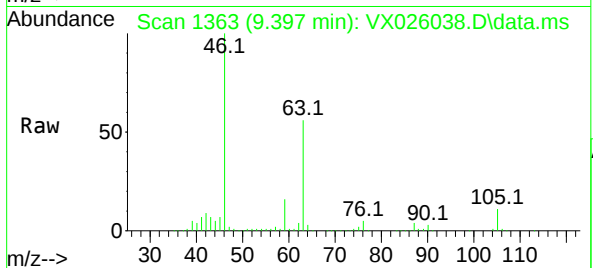
77 32.1 23.0 42.8



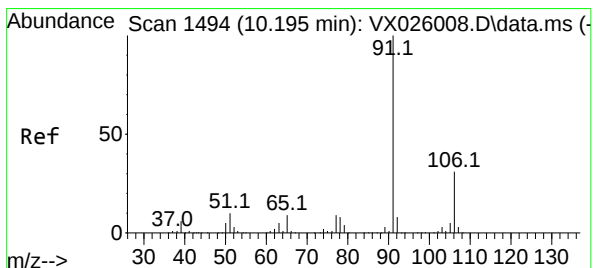
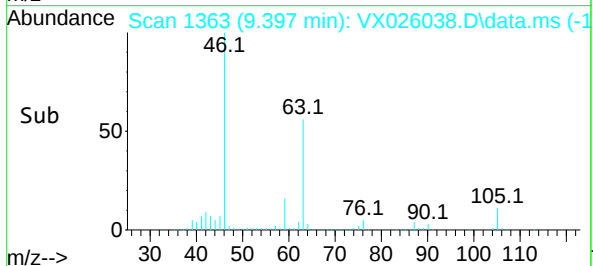
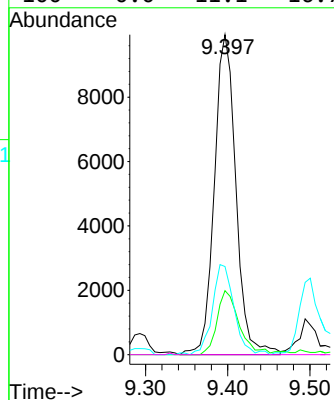


#48
2-Hexanone
Concen: 7.381 ug/L
RT: 9.397 min Scan# 11
Delta R.T. -0.037 min
Lab File: VX026038.D
Acq: 25 Dec 2021 16:54

Instrument :
MSVOA_X
ClientSampleId :

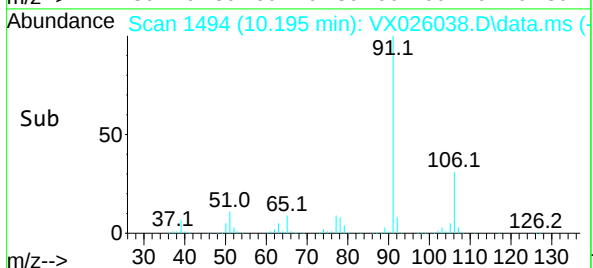
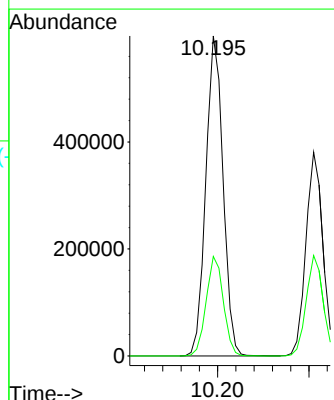
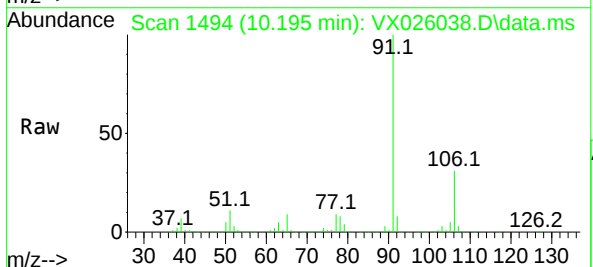


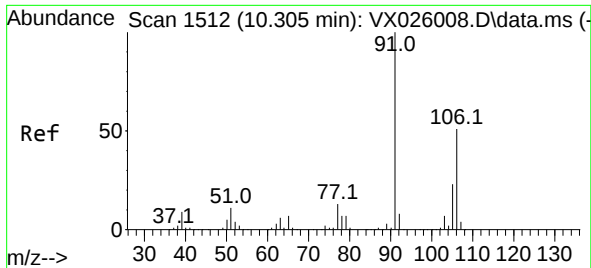
Tgt Ion: 43	Resp: 18113
Ion Ratio	Lower Upper
43 100	
58 19.7	44.2 66.4#
57 27.8	15.1 22.7#
100 0.0	11.1 16.7#



#52
Ethylbenzene
Concen: 89.384 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX026038.D
Acq: 25 Dec 2021 16:54

Tgt Ion: 91	Resp: 780574
Ion Ratio	Lower Upper
91 100	
106 31.1	23.1 42.9

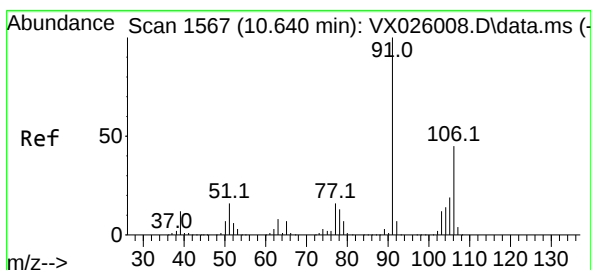
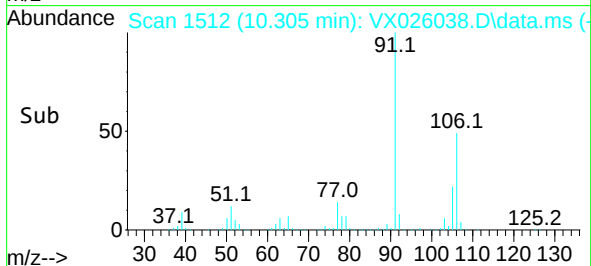
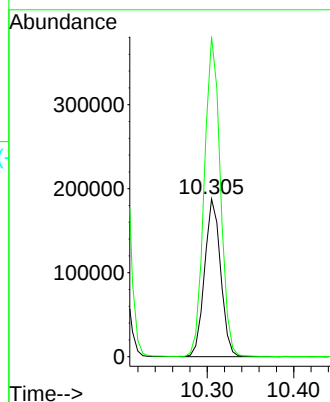
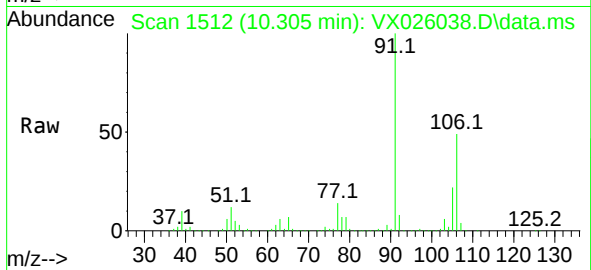




#53
m,p-Xylene
Concen: 72.325 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX026038.D
Acq: 25 Dec 2021 16:54

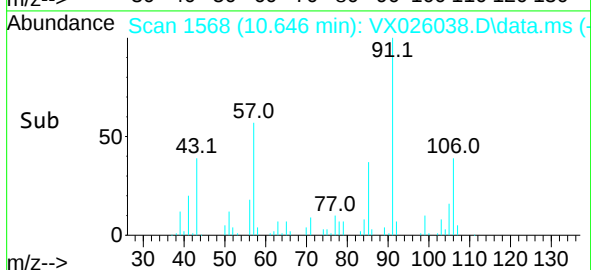
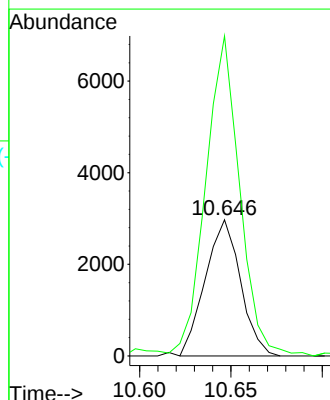
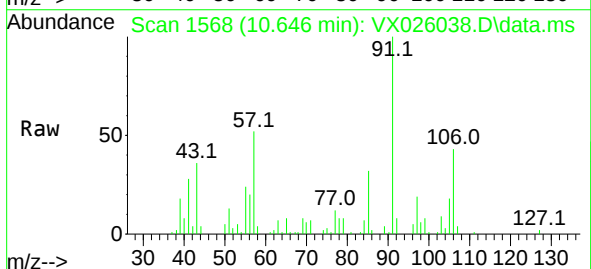
Instrument :
MSVOA_X
ClientSampleId :

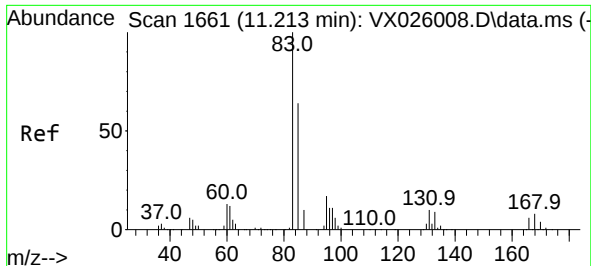
Tgt Ion:106 Resp: 241103
Ion Ratio Lower Upper
106 100
91 202.9 136.8 254.2



#54
o-Xylene
Concen: 1.210 ug/L
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX026038.D
Acq: 25 Dec 2021 16:54

Tgt Ion:106 Resp: 3997
Ion Ratio Lower Upper
106 100
91 234.9 140.5 260.9

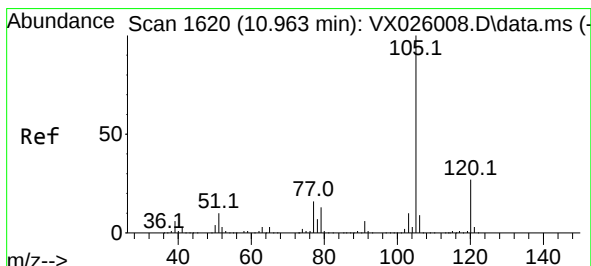
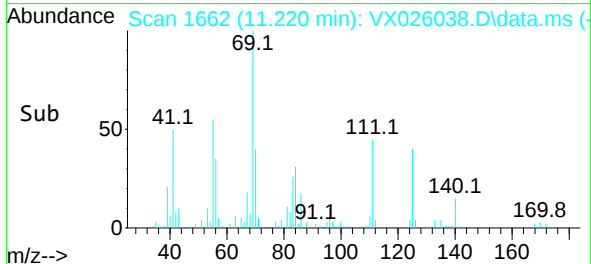
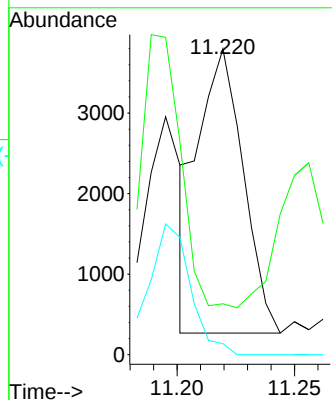
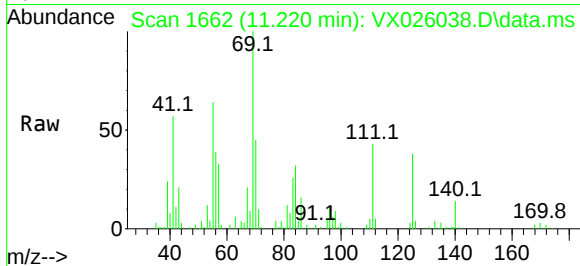




#57
1,1,2,2-Tetrachloroethane
Concen: 1.510 ug/L
RT: 11.220 min Scan# 1662
Delta R.T. 0.006 min
Lab File: VX026038.D
Acq: 25 Dec 2021 16:54

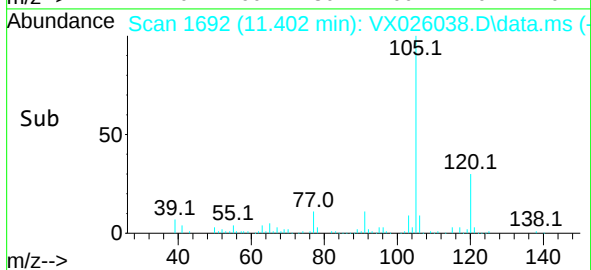
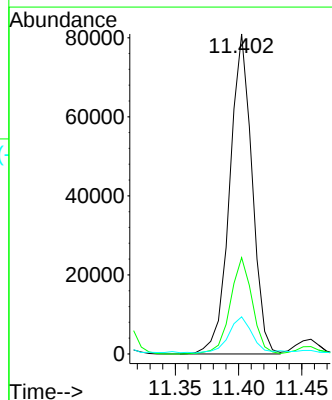
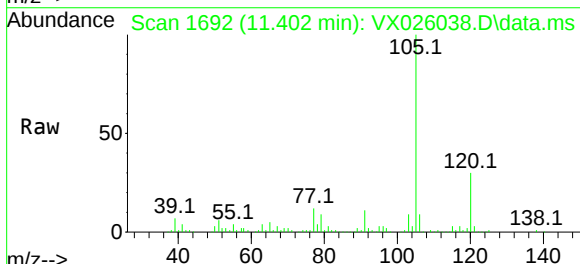
Instrument :
MSVOA_X
ClientSampleId :

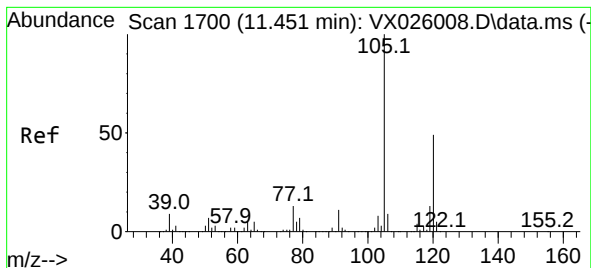
Tgt Ion: 83 Resp: 4705
Ion Ratio Lower Upper
83 100
85 16.6 47.0 87.2#
131 3.6 8.5 12.7#



#60
Isopropylbenzene
Concen: 11.295 ug/L
RT: 11.402 min Scan# 1692
Delta R.T. 0.439 min
Lab File: VX026038.D
Acq: 25 Dec 2021 16:54

Tgt Ion: 105 Resp: 99486
Ion Ratio Lower Upper
105 100
120 29.6 22.3 33.5
77 11.7 11.5 17.3





#62

1,3,5-Trimethylbenzene

Concen: 0.686 ug/L

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX026038.D

Acq: 25 Dec 2021 16:54

Instrument :

MSVOA_X

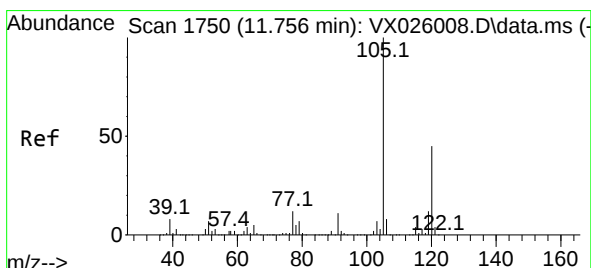
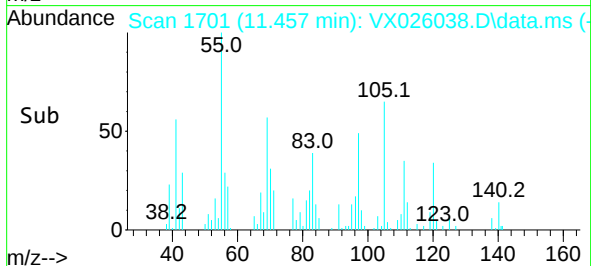
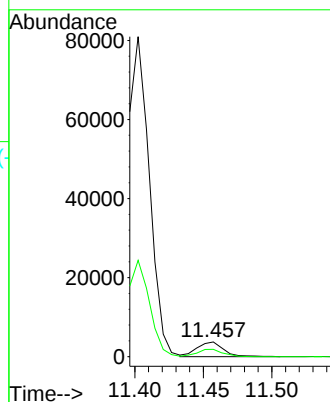
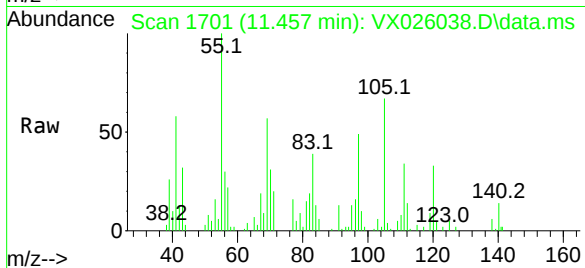
ClientSampleId :

Tgt Ion:105 Resp: 5062

Ion Ratio Lower Upper

105 100

120 48.1 41.0 61.4



#63

1,2,4-Trimethylbenzene

Concen: 68.082 ug/L

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX026038.D

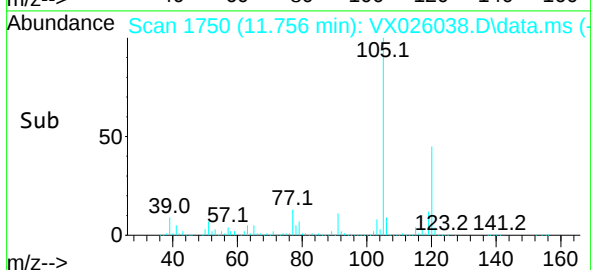
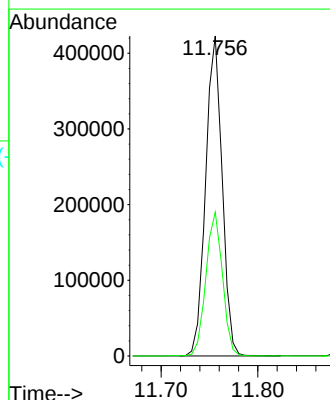
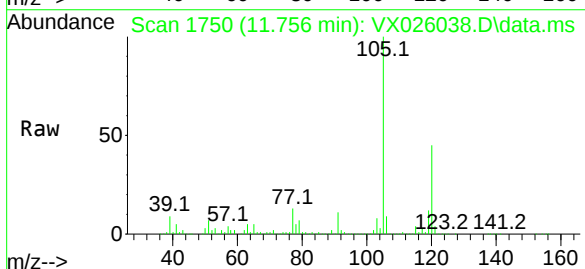
Acq: 25 Dec 2021 16:54

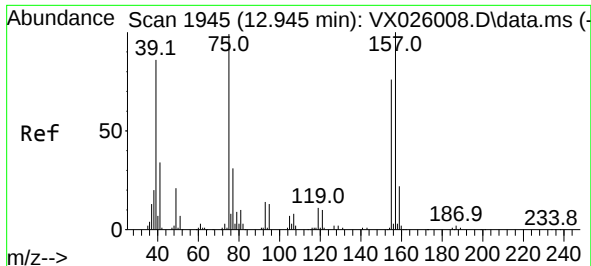
Tgt Ion:105 Resp: 502994

Ion Ratio Lower Upper

105 100

120 45.1 0.1 0.1#

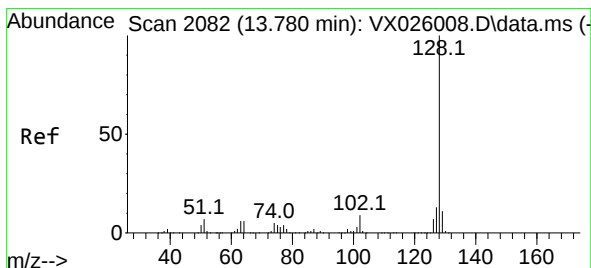
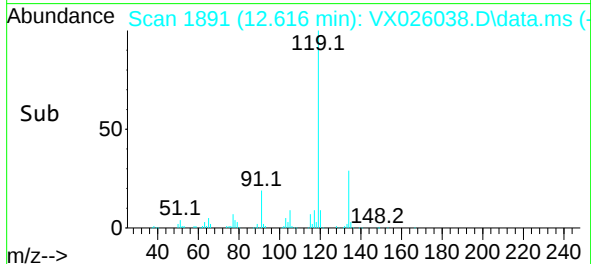
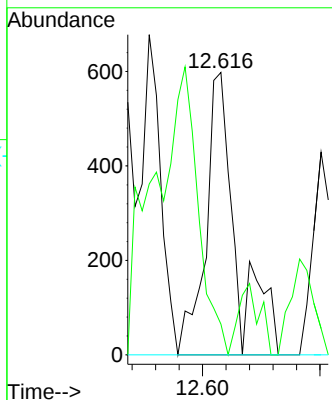
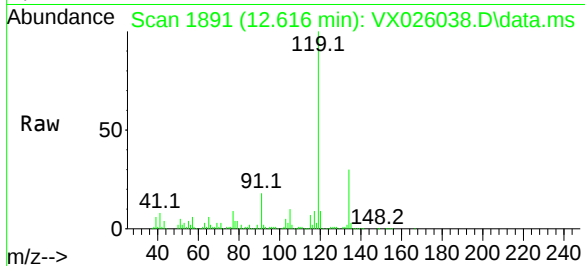




#68
1,2-Dibromo-3-chloropropane
Concen: 1.599 ug/L
RT: 12.616 min Scan# 1891
Delta R.T. -0.329 min
Lab File: VX026038.D
Acq: 25 Dec 2021 16:54

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 1079
Ion Ratio Lower Upper
75 100
155 10.9 79.4 119.2#
157 0.0 100.4 150.6#



#71
Naphthalene
Concen: 20.653 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX026038.D
Acq: 25 Dec 2021 16:54

Tgt Ion:128 Resp: 183442
Ion Ratio Lower Upper
128 100
127 13.3 10.1 15.1
129 11.4 8.7 13.1

