

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122521\
 Data File : VX026041.D
 Acq On : 25 Dec 2021 18:04
 Operator : JC/MD
 Sample : M5213-04 10X
 Misc : 6.14G/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 27 05:16:30 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)

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	250283	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	239555	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	150262	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	73606	41.472	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.940%
7) Chloroethane-d5	1.654	69	62663	44.179	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.360%
11) 1,1-Dichloroethene-d2	2.306	63	112839	32.082	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.160%
21) 2-Butanone-d5	4.465	46	129389	84.086	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.090%
24) Chloroform-d	5.062	84	131600	37.051	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.100%
26) 1,2-Dichloroethane-d4	5.958	65	107764	44.812	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.620%
32) Benzene-d6	5.977	84	313776	45.506	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.020%
36) 1,2-Dichloropropane-d6	7.312	67	100233	46.765	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.520%
41) Toluene-d8	8.653	98	293618	45.607	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.220%
43) trans-1,3-Dichloroprop...	8.952	79	36989	39.666	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.340%
47) 2-Hexanone-d5	9.391	63	117626	106.336	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.340%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	212861	67.352	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	134.700%#
66) 1,2-Dichlorobenzene-d4	12.323	152	146957	51.755	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.520%
Target Compounds						
					Qvalue	
13) Acetone	2.386	43	1813	2.155	ug/L	82
20) cis-1,2-Dichloroethene	4.483	96	1869	0.935	ug/L	90
25) Chloroform	5.093	83	22322	6.334	ug/L	95
33) Benzene	6.044	78	75478	9.922	ug/L	100
35) Methylcyclohexane	7.379	83	16106	5.230	ug/L	88
37) 1,2-Dichloropropane	7.312	63	11780	6.101	ug/L #	87
39) cis-1,3-Dichloropropene	8.324	75	2862	1.032	ug/L	87
42) Toluene	8.720	91	75910	9.371	ug/L	99
44) trans-1,3-Dichloropropene	8.952	75	1916	0.728	ug/L #	79
45) 1,1,2-Trichloroethane	9.104	97	13653	7.321	ug/L #	18
48) 2-Hexanone	9.384	43	83510	33.824	ug/L #	35
52) Ethylbenzene	10.201	91	8016825	912.458	ug/L	92
53) m,p-Xylene	10.317	106	10482482	3125.493	ug/L	62
54) o-Xylene	10.653	106	3030513	912.230	ug/L	95
55) Styrene	10.653	104	156557	27.916	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	11.220	83	101628	32.427	ug/L #	34
60) Isopropylbenzene	11.384	105	6861624	664.648	ug/L	94
62) 1,3,5-Trimethylbenzene	11.457	105	2886850	333.977	ug/L	97
63) 1,2,4-Trimethylbenzene	11.762	105	7653231	883.807	ug/L #	78

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 27 05:16:30 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

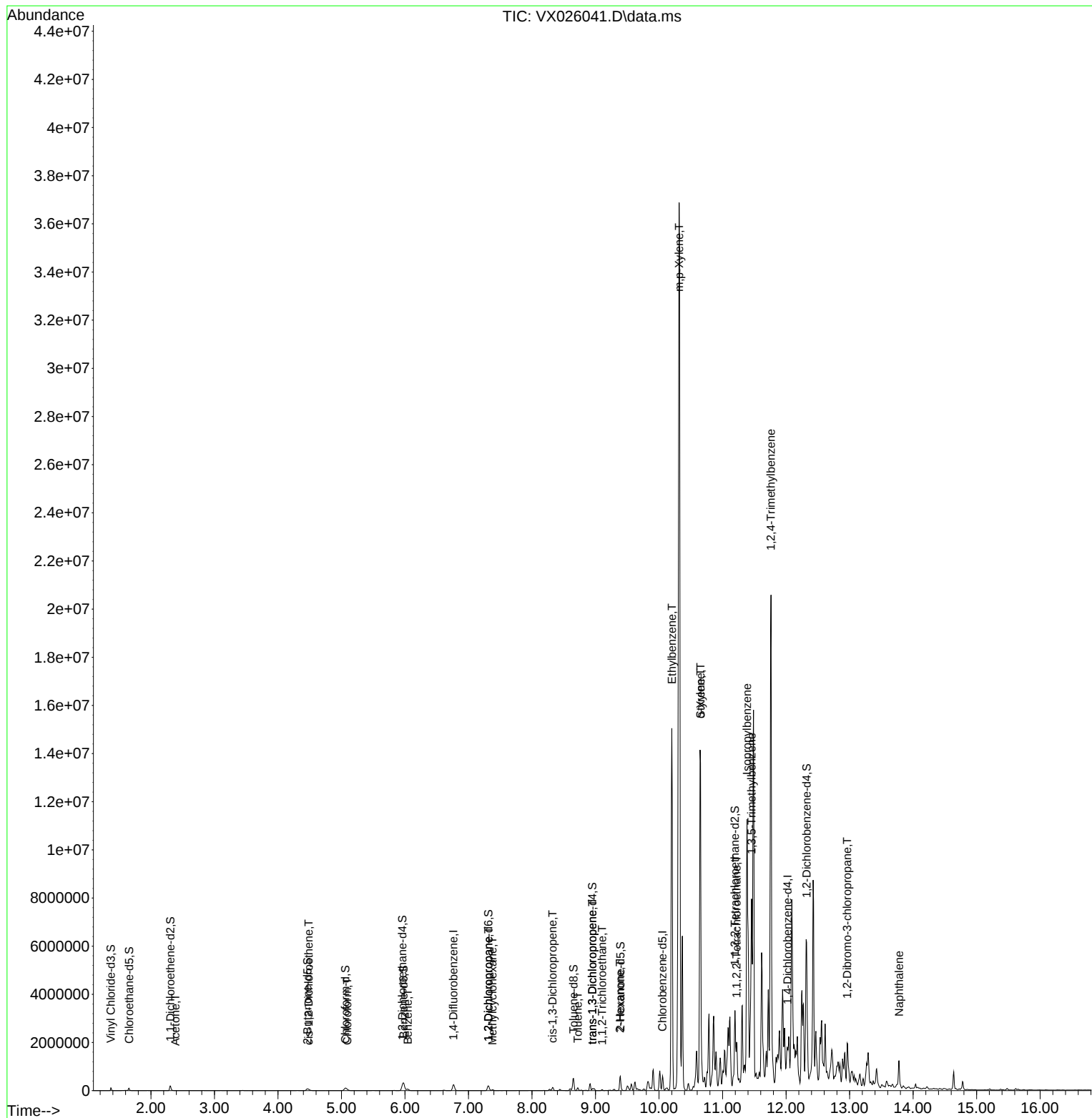
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.963	75	5590	7.067	ug/L	# 1
71) Naphthalene	13.780	128	702596	67.490	ug/L	98

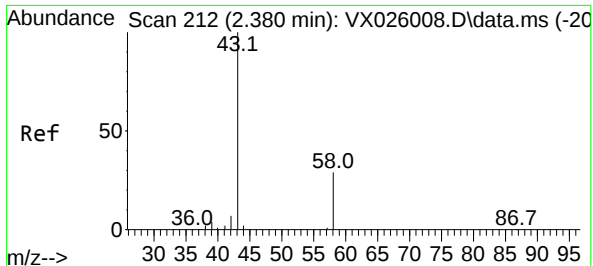
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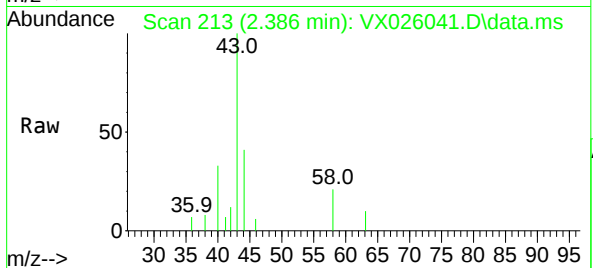
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Quant Title : VOC Analysis
QLast Update : Thu Dec 23 21:00:32 2021
Response via : Initial Calibration



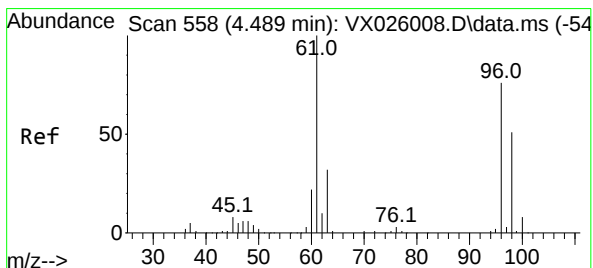
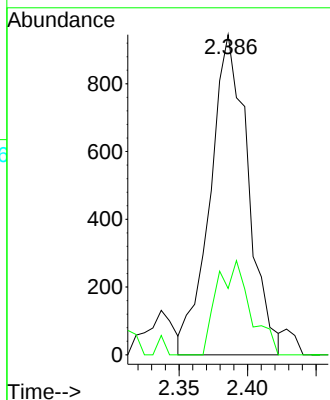
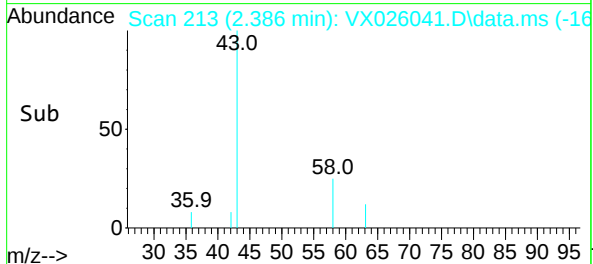


#13
Acetone
Concen: 2.155 ug/L
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX026041.D
Acq: 25 Dec 2021 18:04

Instrument :
MSVOA_X
ClientSampleId :

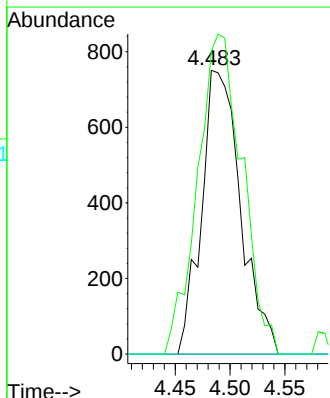
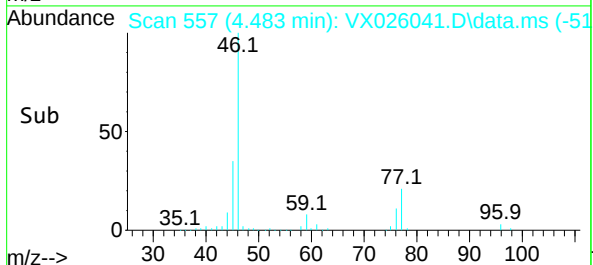
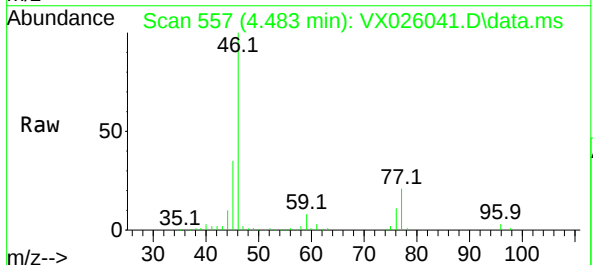


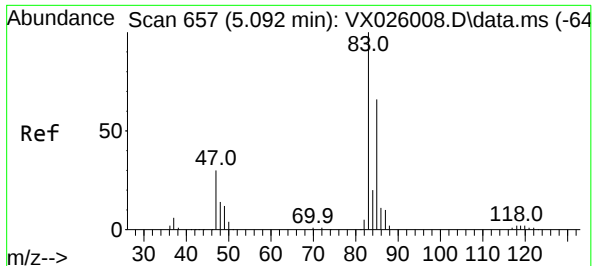
Tgt Ion: 43 Resp: 1813
Ion Ratio Lower Upper
43 100
58 22.7 0.0 65.6



#20
cis-1,2-Dichloroethene
Concen: 0.935 ug/L
RT: 4.483 min Scan# 557
Delta R.T. -0.012 min
Lab File: VX026041.D
Acq: 25 Dec 2021 18:04

Tgt Ion: 96 Resp: 1869
Ion Ratio Lower Upper
96 100
61 106.7 82.3 152.8
68 0.0 0.0 0.0





#25

Chloroform

Concen: 6.334 ug/L

RT: 5.093 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX026041.D

Acq: 25 Dec 2021 18:04

Instrument :

MSVOA_X

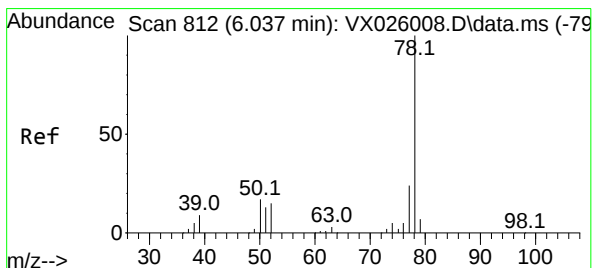
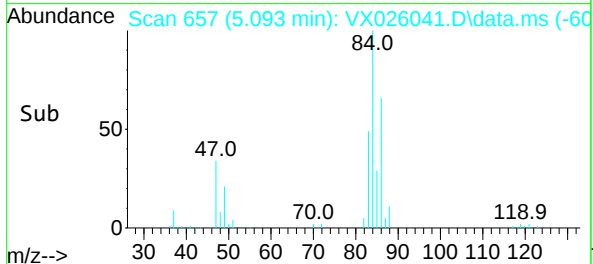
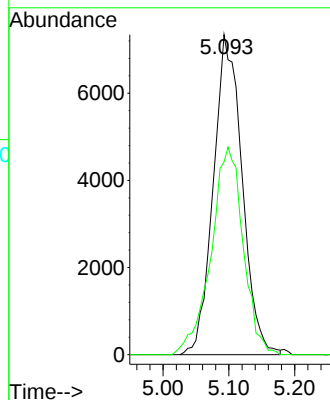
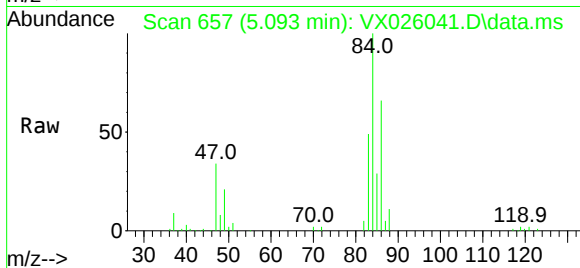
ClientSampleId :

Tgt Ion: 83 Resp: 22322

Ion Ratio Lower Upper

83 100

85 60.2 44.9 83.5



#33

Benzene

Concen: 9.922 ug/L

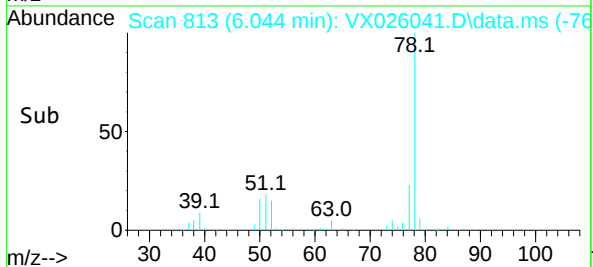
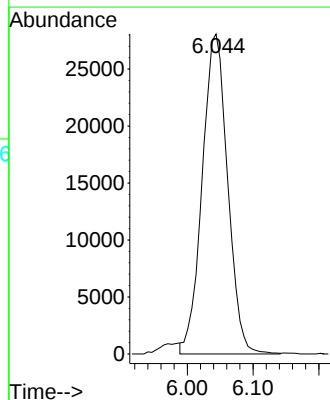
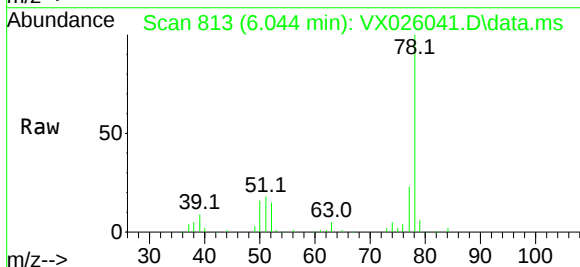
RT: 6.044 min Scan# 813

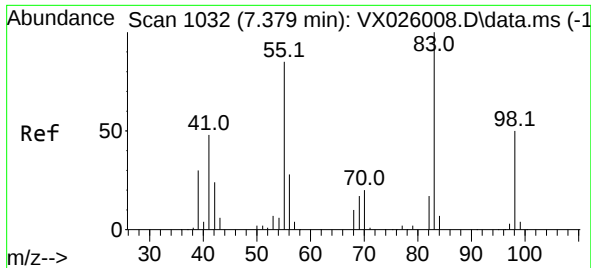
Delta R.T. 0.000 min

Lab File: VX026041.D

Acq: 25 Dec 2021 18:04

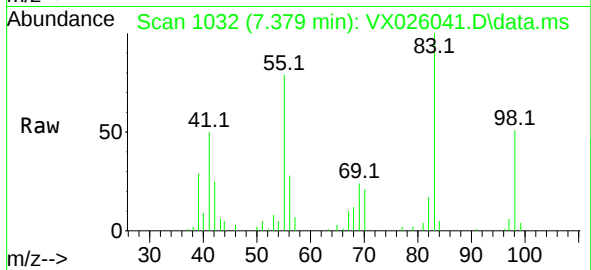
Tgt Ion: 78 Resp: 75478



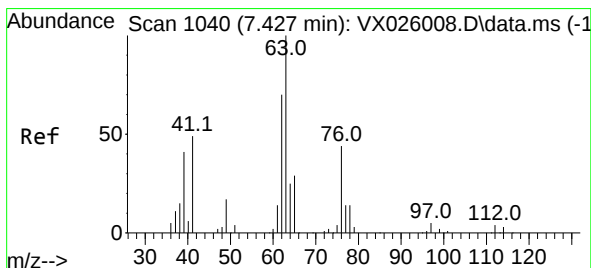
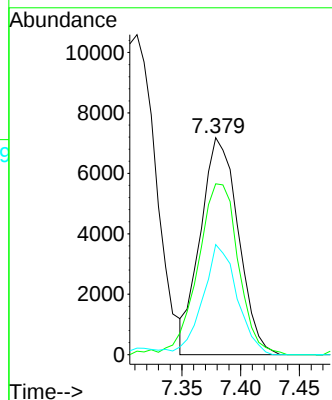
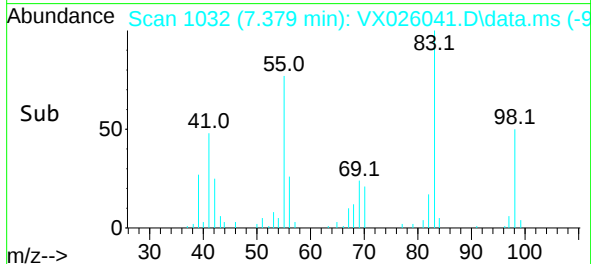


#35
Methylcyclohexane
Concen: 5.230 ug/L
RT: 7.379 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VX026041.D
Acq: 25 Dec 2021 18:04

Instrument :
MSVOA_X
ClientSampleId :

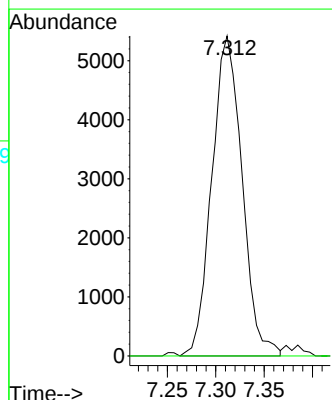
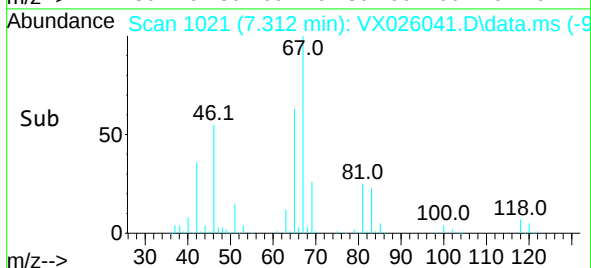
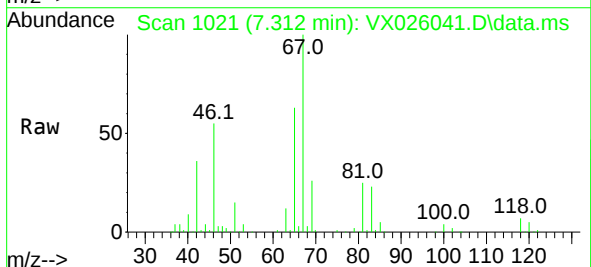


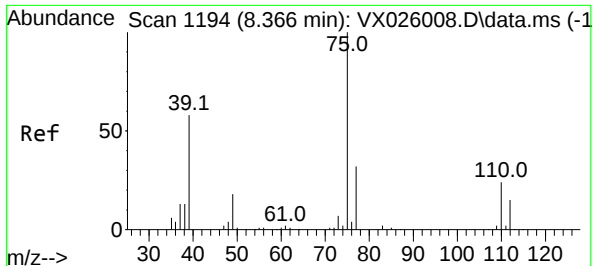
Tgt Ion: 83 Resp: 16106
Ion Ratio Lower Upper
83 100
55 83.5 57.3 85.9
98 45.6 41.1 61.7



#37
1,2-Dichloropropane
Concen: 6.101 ug/L
RT: 7.312 min Scan# 1021
Delta R.T. -0.122 min
Lab File: VX026041.D
Acq: 25 Dec 2021 18:04

Tgt Ion: 63 Resp: 11780
Ion Ratio Lower Upper
63 100
112 0.6 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 1.032 ug/L

RT: 8.324 min Scan# 1194

Delta R.T. -0.043 min

Lab File: VX026041.D

Acq: 25 Dec 2021 18:04

Instrument :

MSVOA_X

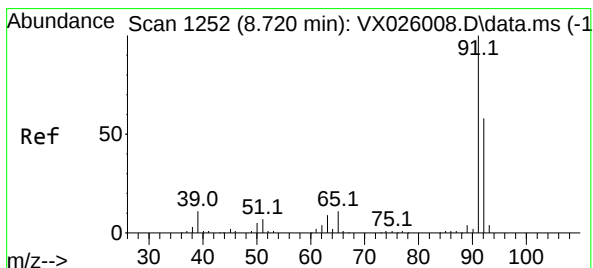
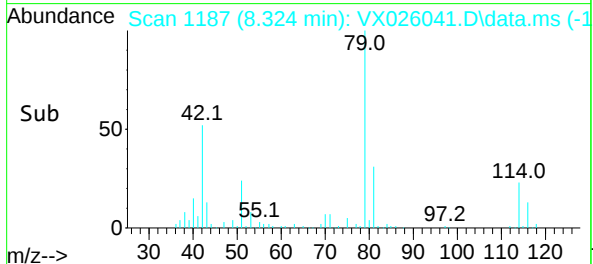
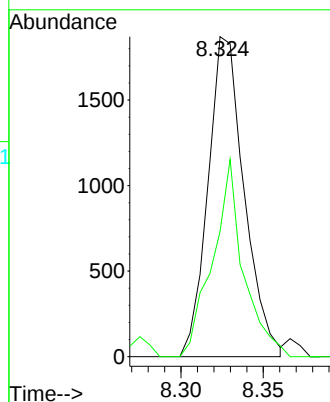
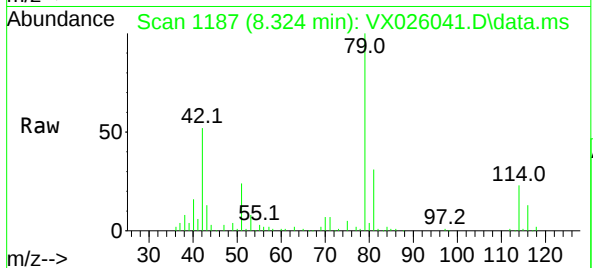
ClientSampleId :

Tgt Ion: 75 Resp: 2862

Ion Ratio Lower Upper

75 100

77 39.1 22.3 41.3



#42

Toluene

Concen: 9.371 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX026041.D

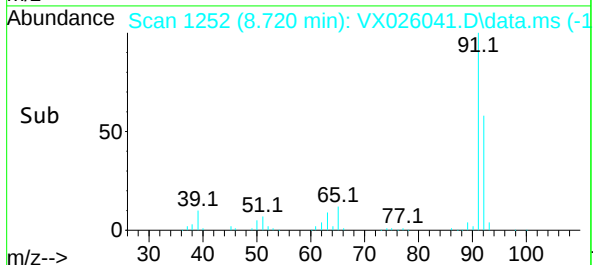
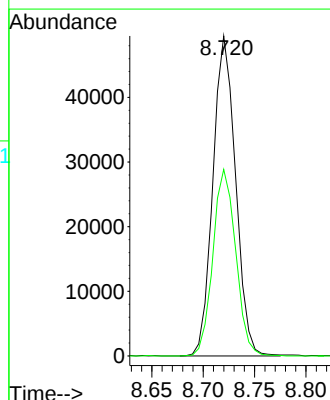
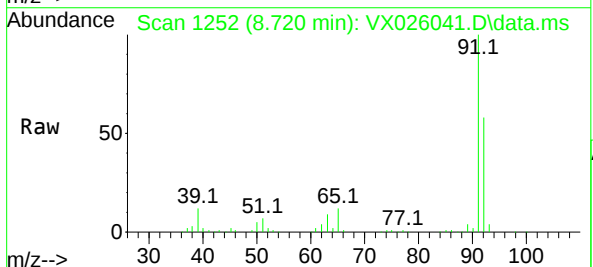
Acq: 25 Dec 2021 18:04

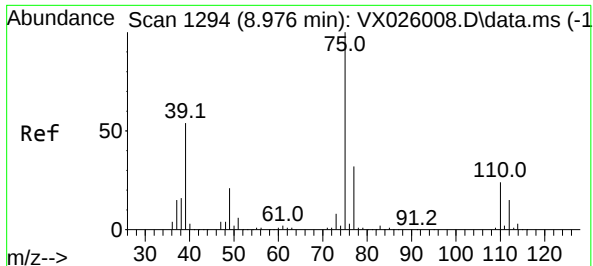
Tgt Ion: 91 Resp: 75910

Ion Ratio Lower Upper

91 100

92 58.3 41.2 76.6

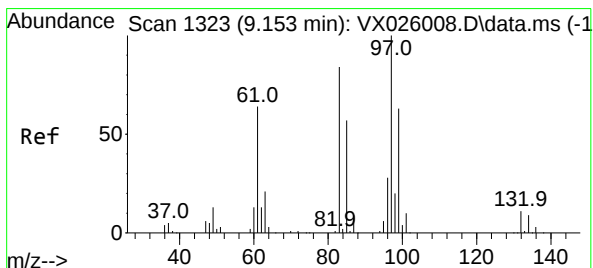
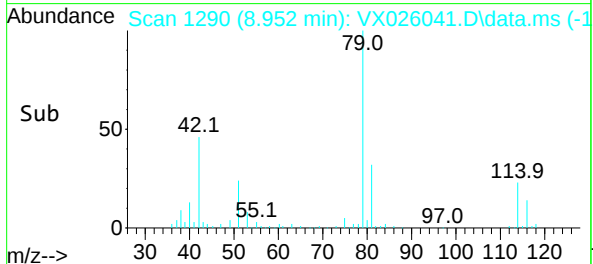
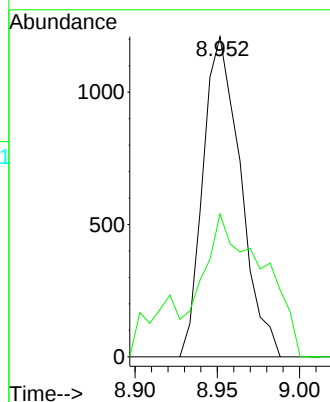
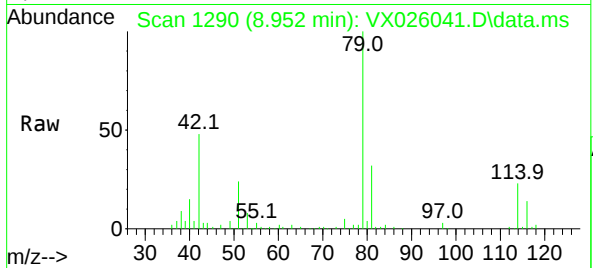




#44
trans-1,3-Dichloropropene
Concen: 0.728 ug/L
RT: 8.952 min Scan# 1315
Delta R.T. -0.030 min
Lab File: VX026041.D
Acq: 25 Dec 2021 18:04

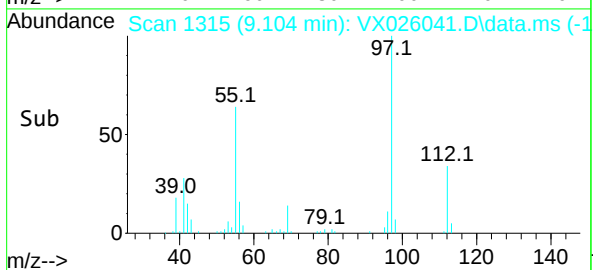
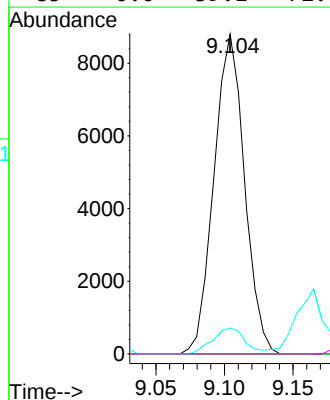
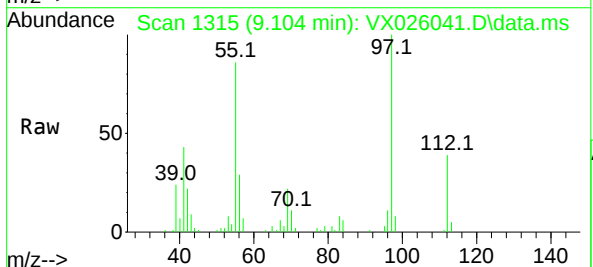
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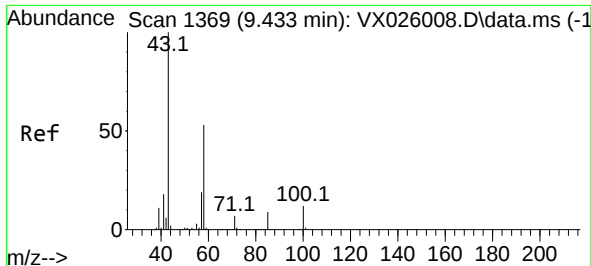
Tgt Ion: 75 Resp: 1916
Ion Ratio Lower Upper
75 100
77 44.6 23.0 42.8#



#45
1,1,2-Trichloroethane
Concen: 7.321 ug/L
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX026041.D
Acq: 25 Dec 2021 18:04

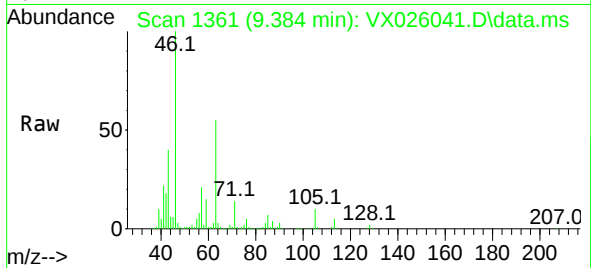
Tgt Ion: 97 Resp: 13653
Ion Ratio Lower Upper
97 100
99 0.0 46.0 85.4#
83 8.1 59.6 110.8#
85 0.0 39.1 72.7#



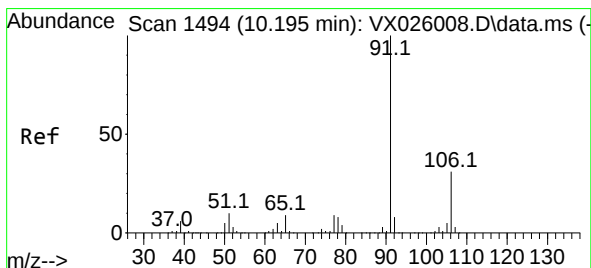
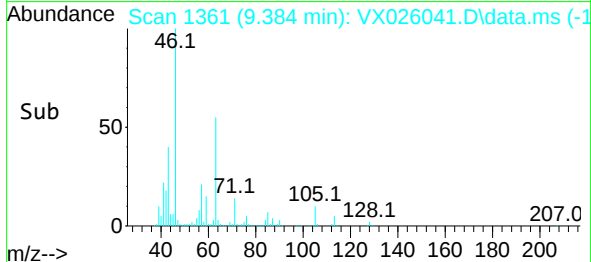
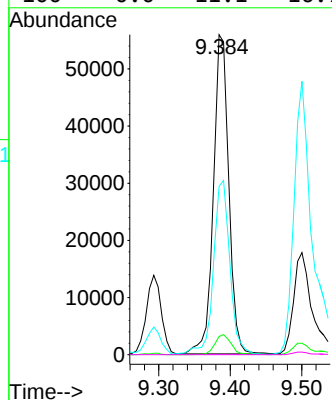


#48
2-Hexanone
Concen: 33.824 ug/L
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX026041.D
Acq: 25 Dec 2021 18:04

Instrument :
MSVOA_X
ClientSampleId :

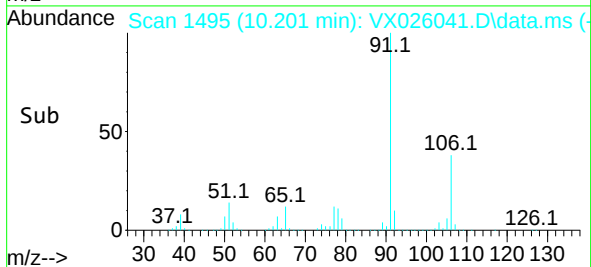
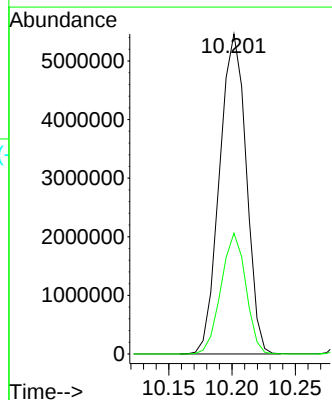
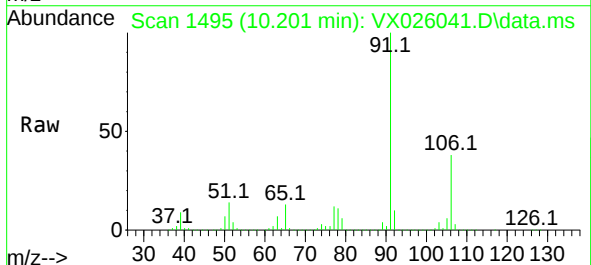


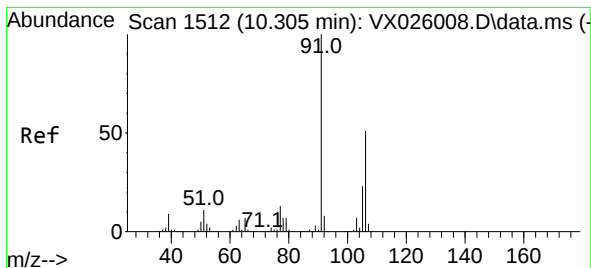
Tgt Ion: 43 Resp: 83510
Ion Ratio Lower Upper
43 100
58 6.6 44.2 66.4#
57 56.1 15.1 22.7#
100 0.0 11.1 16.7#



#52
Ethylbenzene
Concen: 912.458 ug/L
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX026041.D
Acq: 25 Dec 2021 18:04

Tgt Ion: 91 Resp: 8016825
Ion Ratio Lower Upper
91 100
106 37.8 23.1 42.9

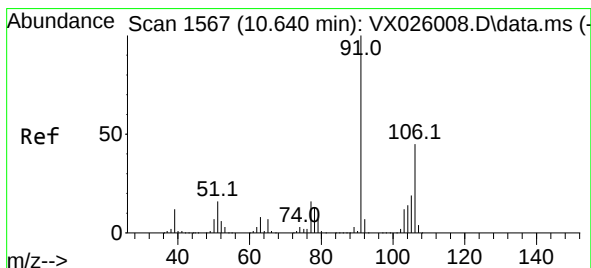
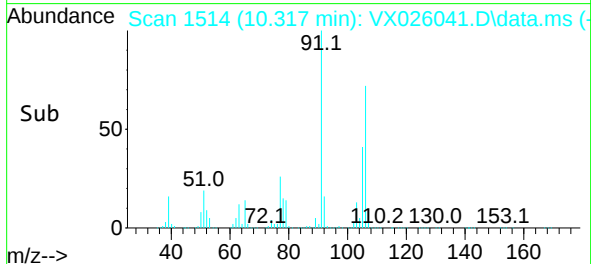
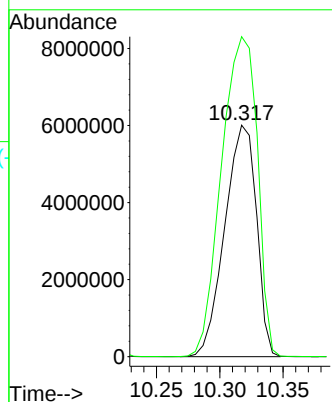
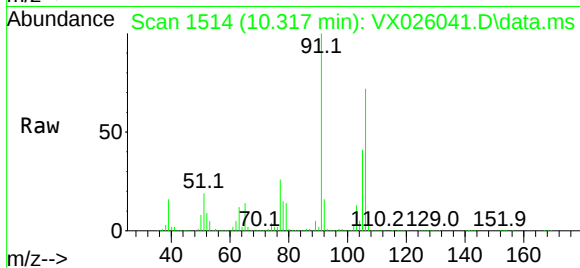




#53
m,p-Xylene
Concen: 3125.493 ug/L
RT: 10.317 min Scan# 1514
Delta R.T. 0.012 min
Lab File: VX026041.D
Acq: 25 Dec 2021 18:04

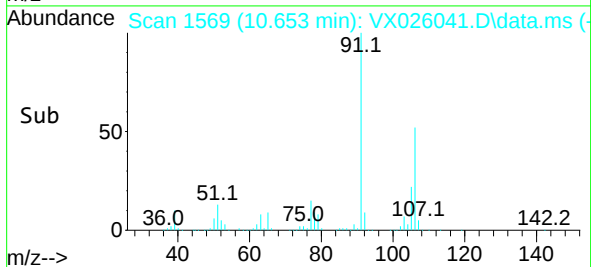
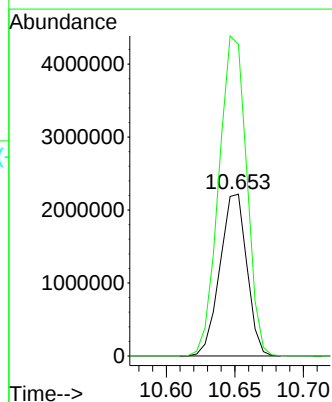
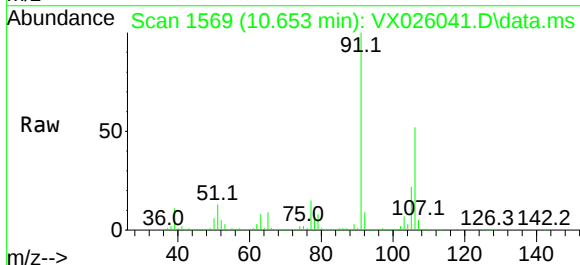
Instrument :
MSVOA_X
ClientSampleId :

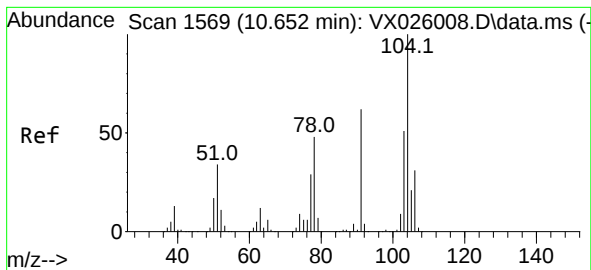
Tgt Ion:106 Resp:10482482
Ion Ratio Lower Upper
106 100
91 138.2 136.8 254.2



#54
o-Xylene
Concen: 912.230 ug/L
RT: 10.653 min Scan# 1569
Delta R.T. 0.012 min
Lab File: VX026041.D
Acq: 25 Dec 2021 18:04

Tgt Ion:106 Resp: 3030513
Ion Ratio Lower Upper
106 100
91 192.7 140.5 260.9





#55

Styrene

Concen: 27.916 ug/L

RT: 10.653 min Scan# 1565

Delta R.T. -0.006 min

Lab File: VX026041.D

Acq: 25 Dec 2021 18:04

Instrument :

MSVOA_X

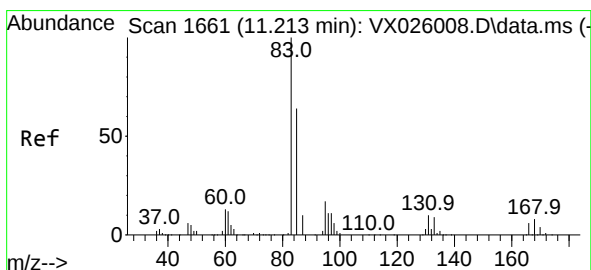
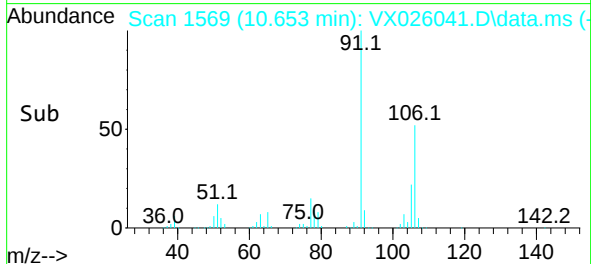
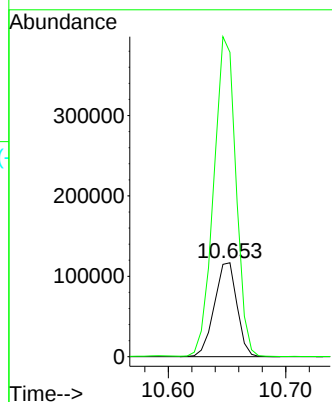
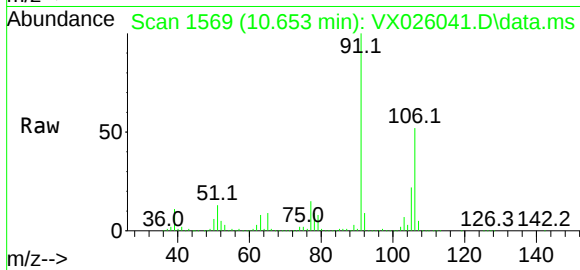
ClientSampleId :

Tgt Ion:104 Resp: 156557

Ion Ratio Lower Upper

104 100

78 324.2 28.6 53.0#



#57

1,1,2,2-Tetrachloroethane

Concen: 32.427 ug/L

RT: 11.220 min Scan# 1662

Delta R.T. 0.006 min

Lab File: VX026041.D

Acq: 25 Dec 2021 18:04

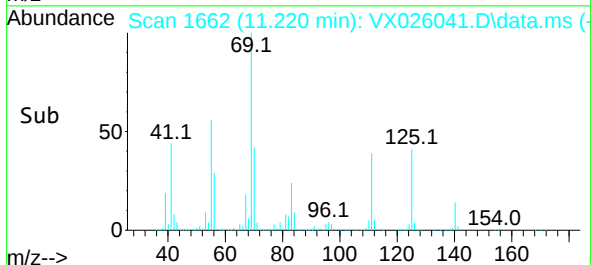
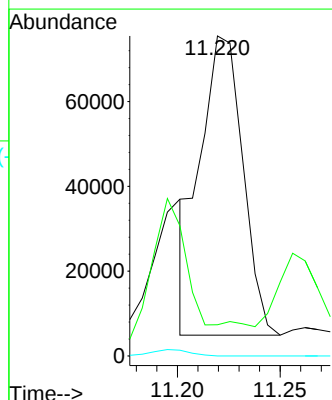
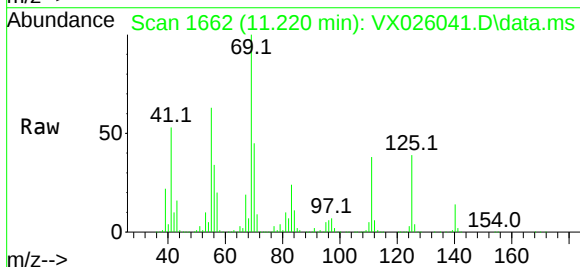
Tgt Ion: 83 Resp: 101628

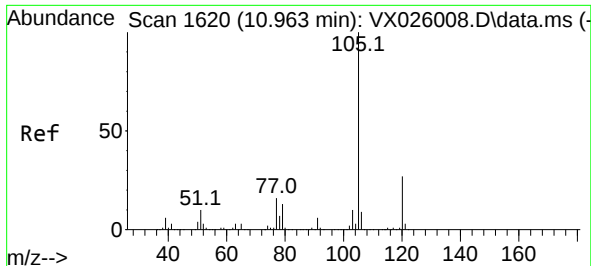
Ion Ratio Lower Upper

83 100

85 9.8 47.0 87.2#

131 0.0 8.5 12.7#

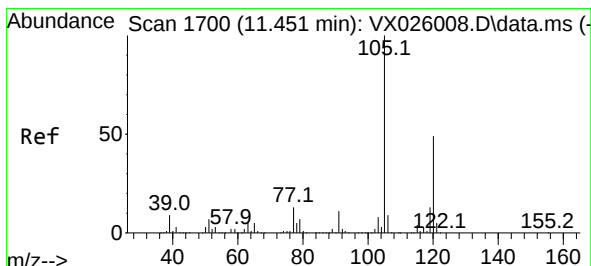
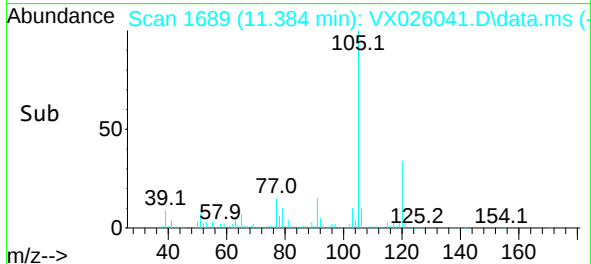
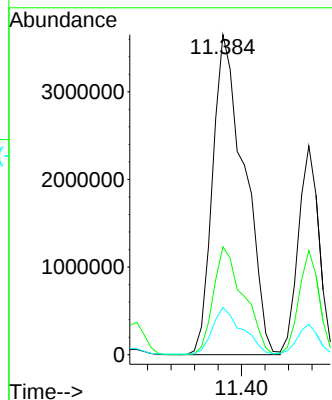
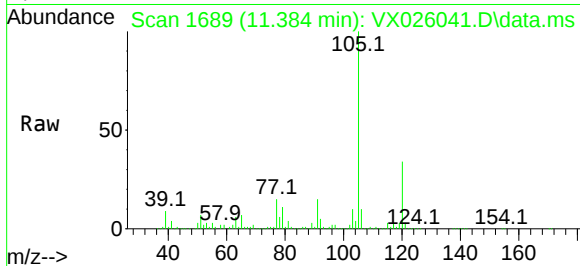




#60
Isopropylbenzene
Concen: 664.648 ug/L
RT: 11.384 min Scan# 1689
Delta R.T. 0.421 min
Lab File: VX026041.D
Acq: 25 Dec 2021 18:04

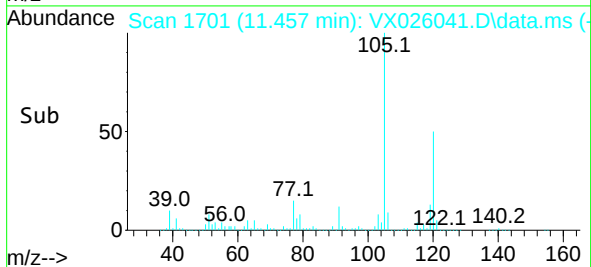
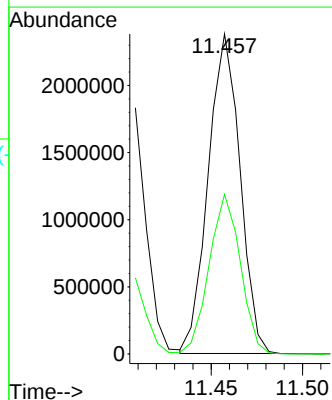
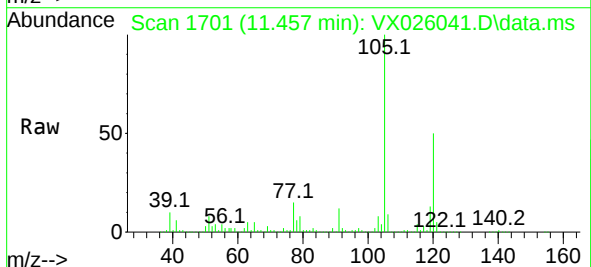
Instrument :
MSVOA_X
ClientSampleId :

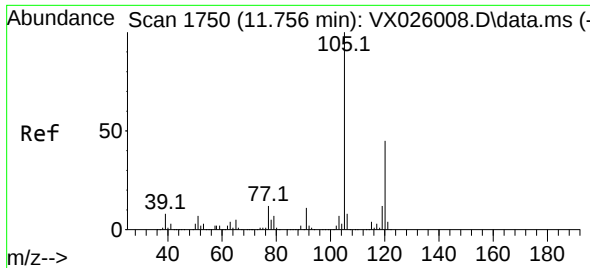
Tgt Ion:105 Resp: 6861624
Ion Ratio Lower Upper
105 100
120 32.0 22.3 33.5
77 13.4 11.5 17.3



#62
1,3,5-Trimethylbenzene
Concen: 333.977 ug/L
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX026041.D
Acq: 25 Dec 2021 18:04

Tgt Ion:105 Resp: 2886850
Ion Ratio Lower Upper
105 100
120 49.0 41.0 61.4

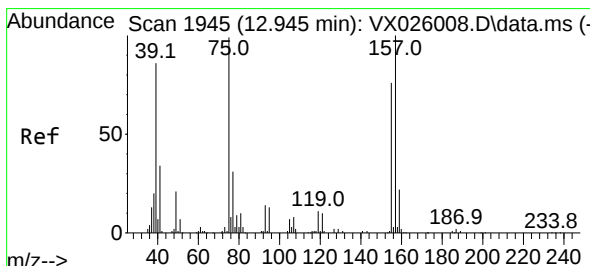
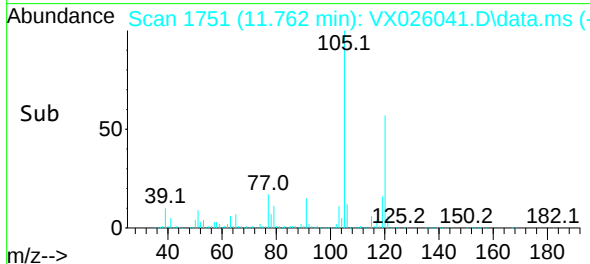
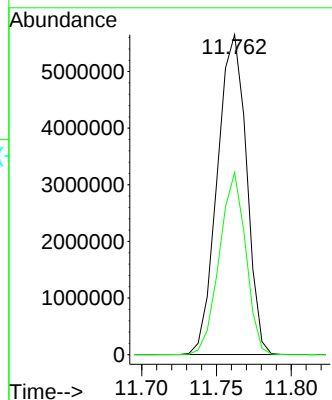
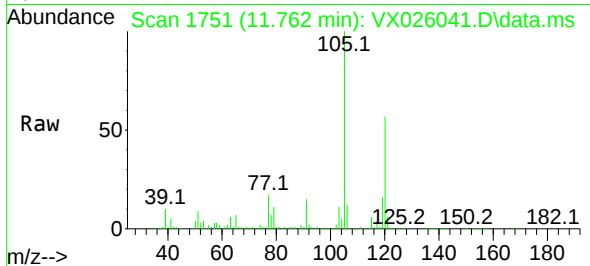




#63
1,2,4-Trimethylbenzene
Concen: 883.807 ug/L
RT: 11.762 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026041.D
Acq: 25 Dec 2021 18:04

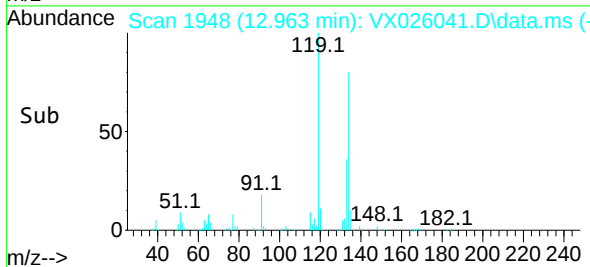
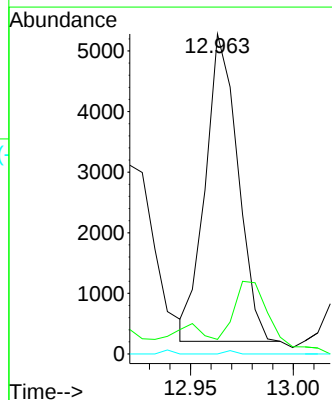
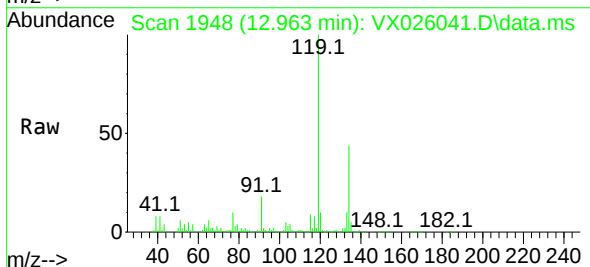
Instrument :
MSVOA_X
ClientSampleId :

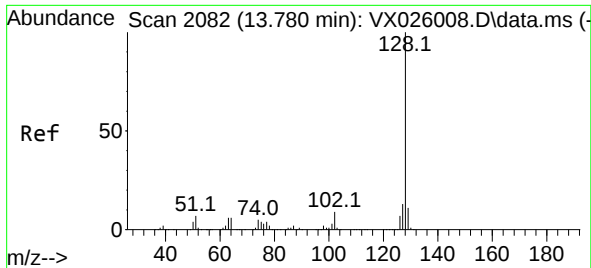
Tgt Ion:105 Resp: 7653231
Ion Ratio Lower Upper
105 100
120 51.4 0.1 0.1#



#68
1,2-Dibromo-3-chloropropane
Concen: 7.067 ug/L
RT: 12.963 min Scan# 1948
Delta R.T. 0.018 min
Lab File: VX026041.D
Acq: 25 Dec 2021 18:04

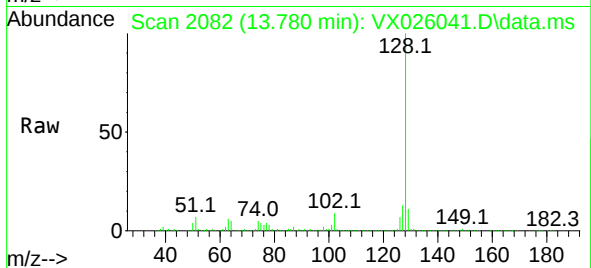
Tgt Ion: 75 Resp: 5590
Ion Ratio Lower Upper
75 100
155 4.5 79.4 119.2#
157 0.0 100.4 150.6#





#71
Naphthalene
Concen: 67.490 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX026041.D
Acq: 25 Dec 2021 18:04

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 702596
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 11.8 8.7 13.1

