

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122821\
 Data File : VX026112.D
 Acq On : 28 Dec 2021 21:09
 Operator : JC/MD
 Sample : M5216-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 29 04:33:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML122821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 29 04:20:17 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	194058	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.092	117	185284	50.000	ug/L	0.04
58) 1,4-Dichlorobenzene-d4	12.049	152	103435	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	82854	55.009	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 110.020%	
7) Chloroethane-d5	1.672	69	63534	58.026	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 116.060%	
11) 1,1-Dichloroethene-d2	2.312	63	118612	43.143	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 86.280%	
21) 2-Butanone-d5	4.458	46	115469	110.946	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 110.950%	
24) Chloroform-d	5.068	84	144705	56.572	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 113.140%	
26) 1,2-Dichloroethane-d4	5.964	65	93707	56.515	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 113.020%	
32) Benzene-d6	5.989	84	276984	51.852	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	= 103.700%	
36) 1,2-Dichloropropane-d6	7.318	67	85095	51.494	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 102.980%	
41) Toluene-d8	8.653	98	247281	50.758	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 101.520%	
43) trans-1,3-Dichloroprop...	8.951	79	41088	50.935	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 101.860%	
47) 2-Hexanone-d5	9.390	63	79348	102.955	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 102.960%	
56) 1,1,2,2-Tetrachloroeth...	11.195	84	117459	53.407	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 106.820%	
66) 1,2-Dichlorobenzene-d4	12.347	152	107490	54.478	ug/L	0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	= 108.960%	
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.312	101	1070	0.841	ug/L #	20
13) Acetone	2.386	43	14982	15.200	ug/L	98
25) Chloroform	5.105	83	168796	71.616	ug/L	96
27) 1,2-Dichloroethane	6.062	62	172903	90.305	ug/L #	73
29) Cyclohexane	5.477	56	14609	6.265	ug/L #	94
31) Carbon tetrachloride	5.684	117	99467	49.021	ug/L	100
33) Benzene	6.062	78	14514174	2653.100	ug/L	100
35) Methylcyclohexane	7.385	83	5646	2.541	ug/L #	77
38) Bromodichloromethane	7.830	83	1972	1.008	ug/L #	99
39) cis-1,3-Dichloropropene	8.330	75	3439	1.583	ug/L #	74
42) Toluene	8.726	91	10382	1.782	ug/L	98
44) trans-1,3-Dichloropropene	8.951	75	2242	1.077	ug/L	89
46) Tetrachloroethene	9.281	164	2117	1.988	ug/L	98
64) 1,3-Dichlorobenzene	11.981	146	3916243	1292.646	ug/L	95
65) 1,4-Dichlorobenzene	12.073	146	19636580	6325.558	ug/L #	67
67) 1,2-Dichlorobenzene	12.378	146	22026804	7297.688	ug/L #	66
68) 1,2-Dibromo-3-chloropr...	12.926	75	32516	55.150	ug/L #	5
69) 1,3,5-Trichlorobenzene	13.115	180	5966	2.898	ug/L	99
70) 1,2,4-trichlorobenzene	13.603	180	6407483	3457.383	ug/L #	94

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ALS Vial : 19 Sample Multiplier: 1

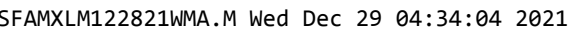
Instrument :
MSVOA_X
ClientSampleId :

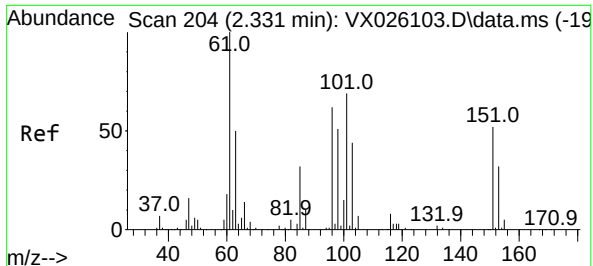
Quant Time: Dec 29 04:33:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML122821WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 29 04:20:17 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	13.969	180	1478119	785.991	ug/L	97

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

Quant Time: Dec 29 04:33:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXMLM122821WMA.M
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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.841 ug/L

RT: 2.312 min Scan# 204

Delta R.T. -0.018 min

Lab File: VX026112.D

Acq: 28 Dec 2021 21:09

Instrument :

MSVOA_X

ClientSampleId :

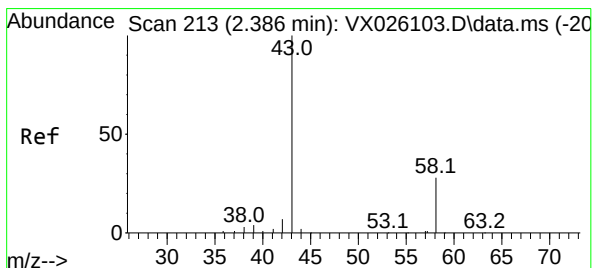
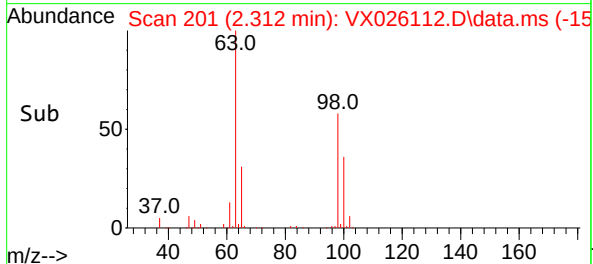
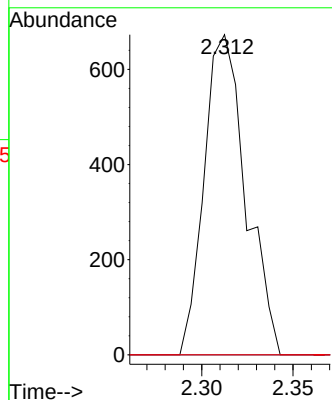
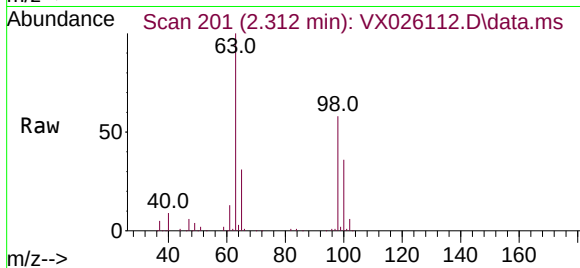
Tgt Ion:101 Resp: 1070

Ion Ratio Lower Upper

101 100

85 0.0 36.6 55.0#

151 0.0 58.5 87.7#



#13

Acetone

Concen: 15.200 ug/L

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX026112.D

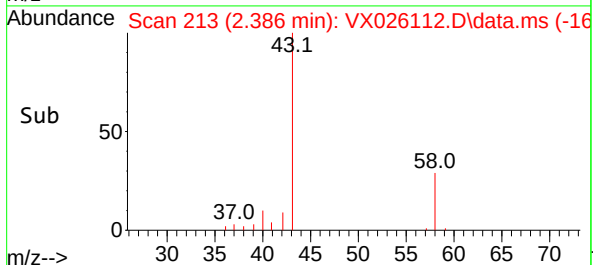
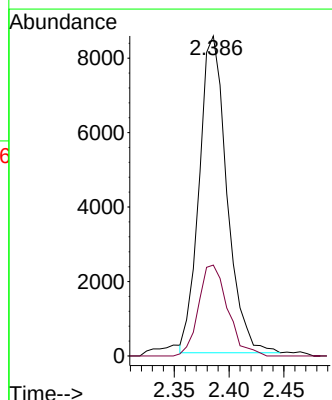
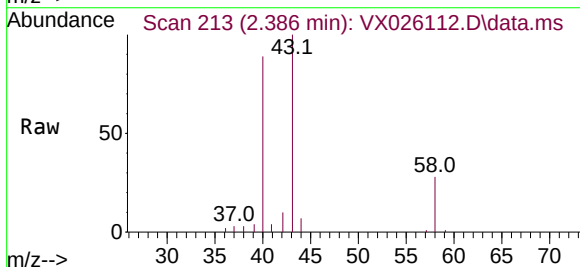
Acq: 28 Dec 2021 21:09

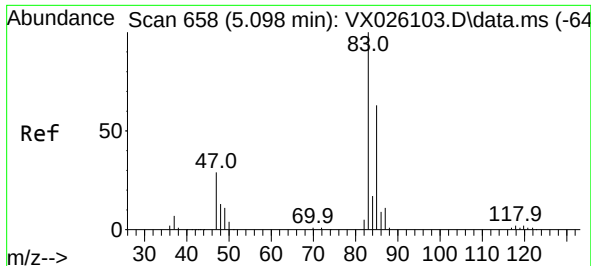
Tgt Ion: 43 Resp: 14982

Ion Ratio Lower Upper

43 100

58 30.1 0.0 58.2

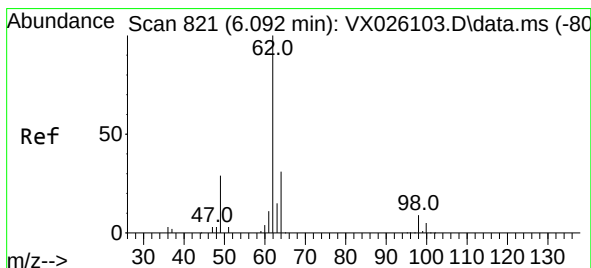
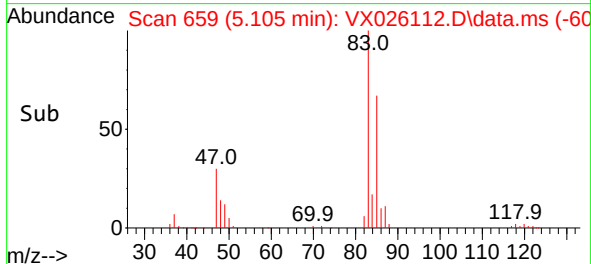
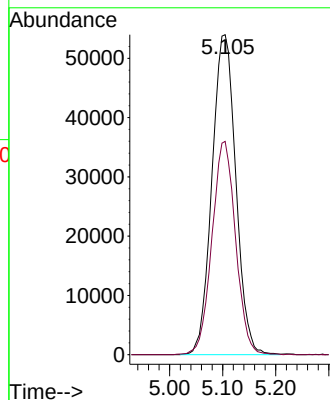
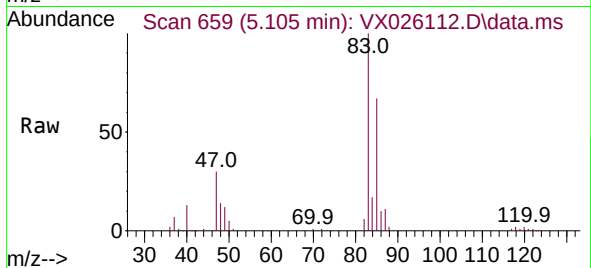




#25
Chloroform
Concen: 71.616 ug/L
RT: 5.105 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX026112.D
Acq: 28 Dec 2021 21:09

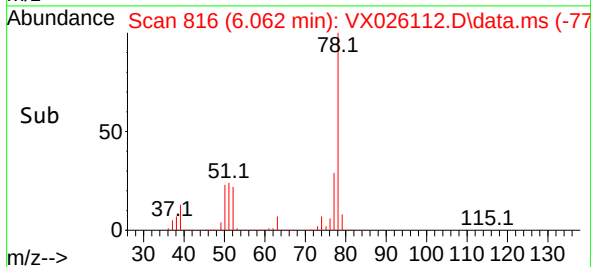
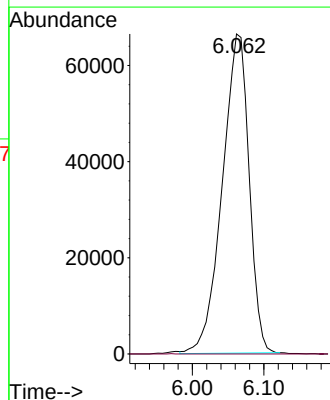
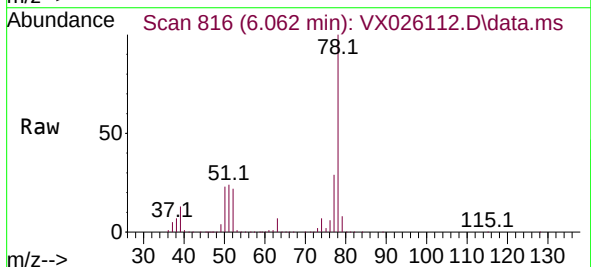
Instrument :
MSVOA_X
ClientSampleId :

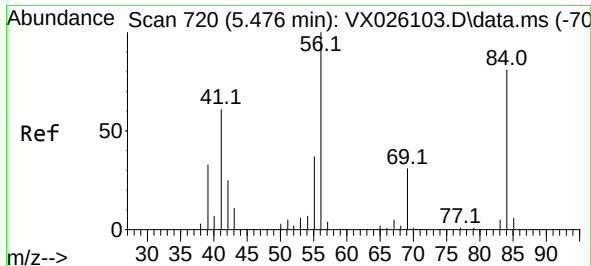
Tgt Ion: 83 Resp: 168796
Ion Ratio Lower Upper
83 100
85 66.6 44.5 82.7



#27
1,2-Dichloroethane
Concen: 90.305 ug/L
RT: 6.062 min Scan# 816
Delta R.T. -0.030 min
Lab File: VX026112.D
Acq: 28 Dec 2021 21:09

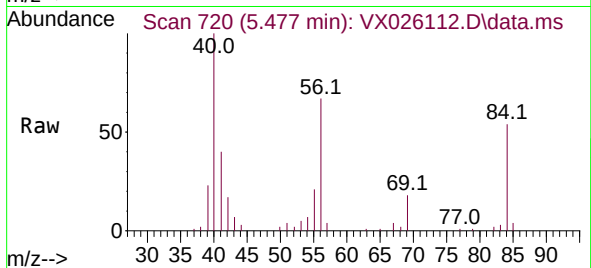
Tgt Ion: 62 Resp: 172903
Ion Ratio Lower Upper
62 100
98 0.0 8.1 12.1#



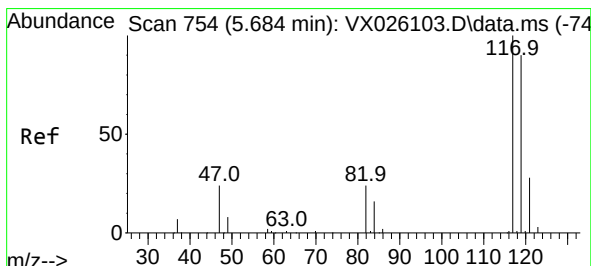
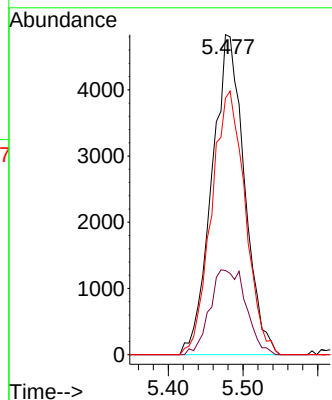
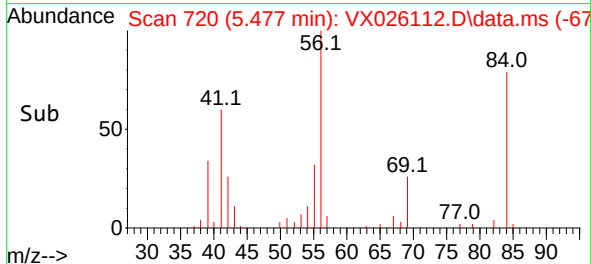


#29
Cyclohexane
Concen: 6.265 ug/L
RT: 5.477 min Scan# 720
Delta R.T. 0.000 min
Lab File: VX026112.D
Acq: 28 Dec 2021 21:09

Instrument :
MSVOA_X
ClientSampleId :

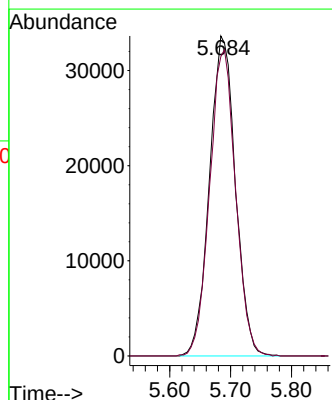
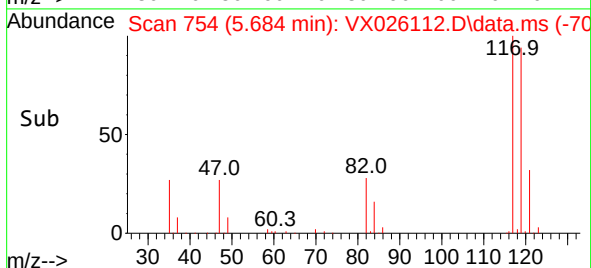
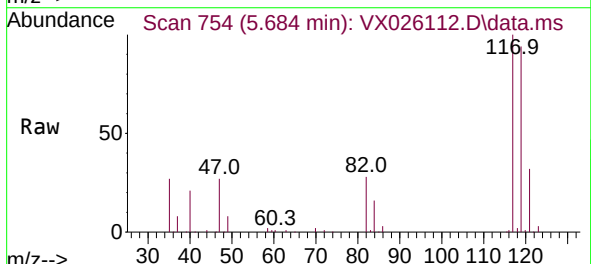


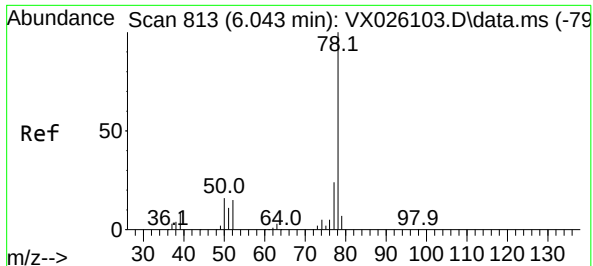
Tgt Ion: 56 Resp: 14609
Ion Ratio Lower Upper
56 100
69 20.3 23.9 35.9#
84 85.4 69.4 104.2



#31
Carbon tetrachloride
Concen: 49.021 ug/L
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX026112.D
Acq: 28 Dec 2021 21:09

Tgt Ion: 117 Resp: 99467
Ion Ratio Lower Upper
117 100
119 95.4 76.7 115.1

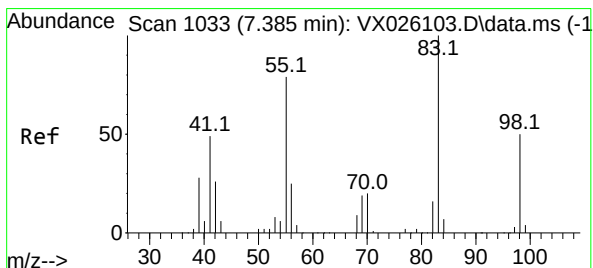
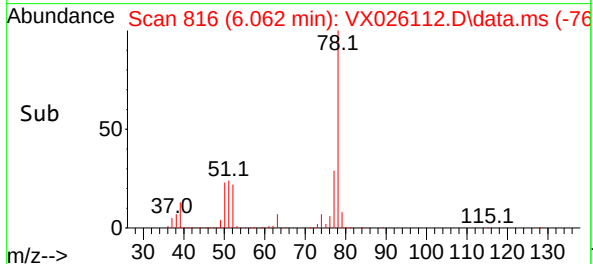
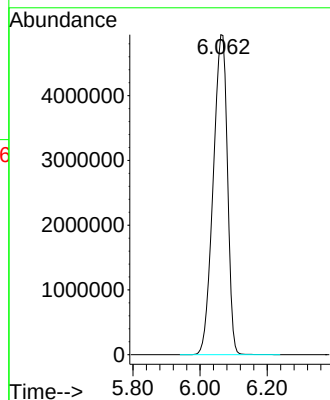
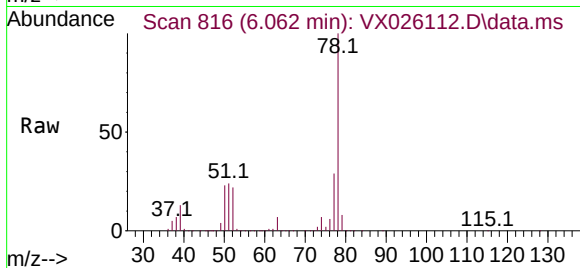




#33
Benzene
Concen: 2653.100 ug/L
RT: 6.062 min Scan# 813
Delta R.T. 0.018 min
Lab File: VX026112.D
Acq: 28 Dec 2021 21:09

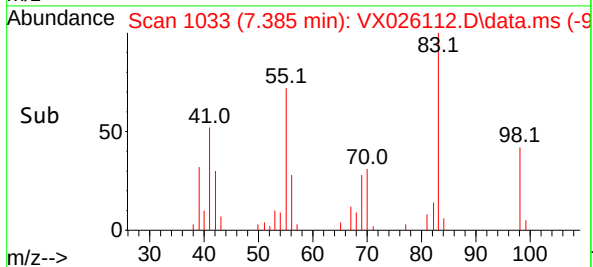
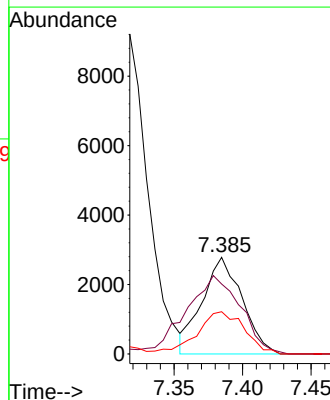
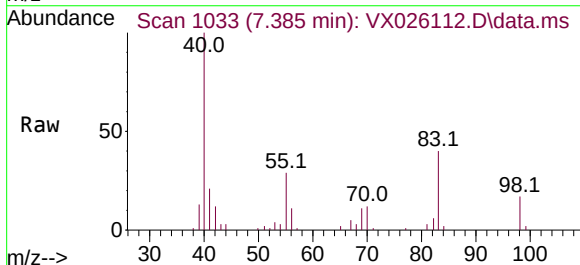
Instrument :
MSVOA_X
ClientSampleId :

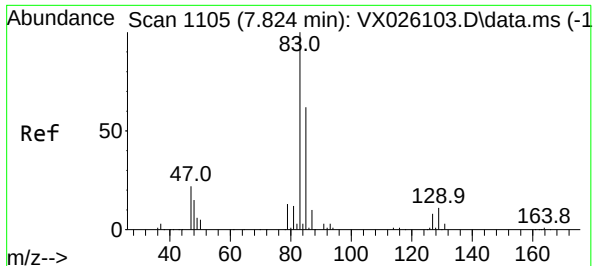
Tgt Ion: 78 Resp:14514174



#35
Methylcyclohexane
Concen: 2.541 ug/L
RT: 7.385 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VX026112.D
Acq: 28 Dec 2021 21:09

Tgt Ion: 83 Resp: 5646
Ion Ratio Lower Upper
83 100
55 110.5 62.9 94.3#
98 52.2 40.6 61.0

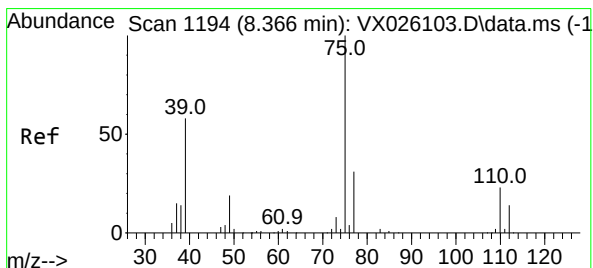
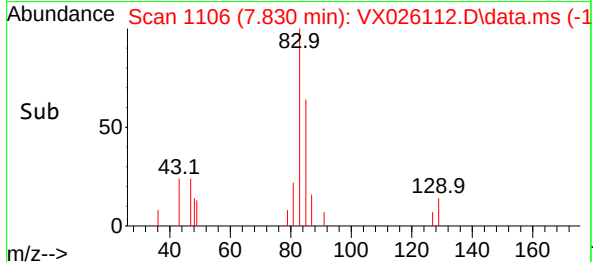
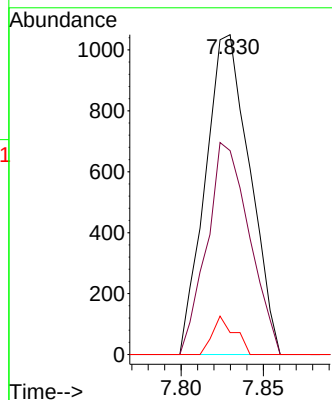
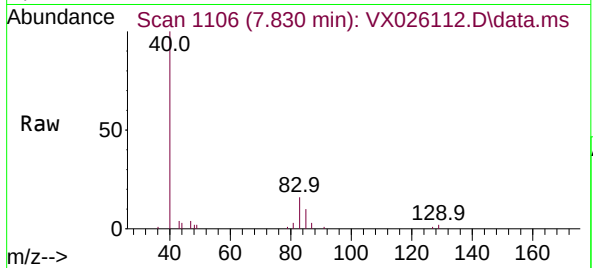




#38
Bromodichloromethane
Concen: 1.008 ug/L
RT: 7.830 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX026112.D
Acq: 28 Dec 2021 21:09

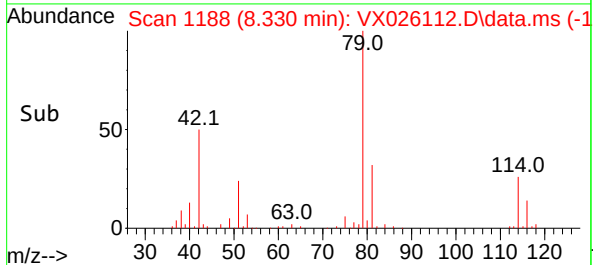
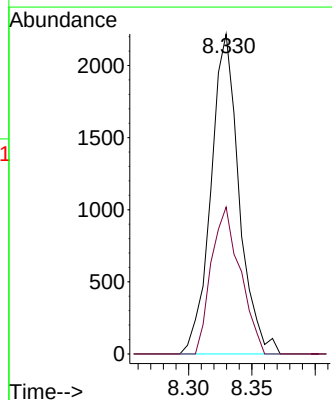
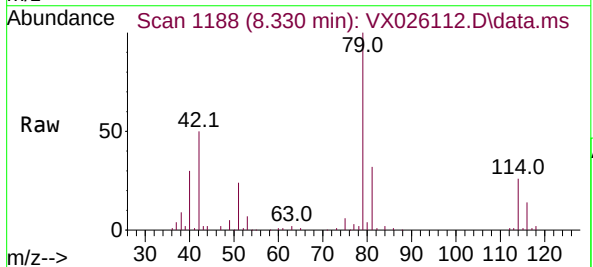
Instrument :
MSVOA_X
ClientSampleId :

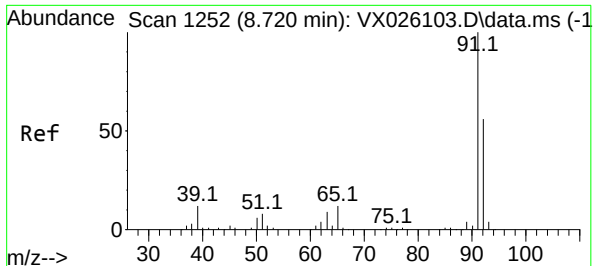
Tgt Ion: 83 Resp: 1972
Ion Ratio Lower Upper
83 100
85 63.7 44.8 83.2
127 6.9 7.1 10.7#



#39
cis-1,3-Dichloropropene
Concen: 1.583 ug/L
RT: 8.330 min Scan# 1188
Delta R.T. -0.037 min
Lab File: VX026112.D
Acq: 28 Dec 2021 21:09

Tgt Ion: 75 Resp: 3439
Ion Ratio Lower Upper
75 100
77 45.9 22.0 41.0#





#42

Toluene

Concen: 1.782 ug/L

RT: 8.726 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX026112.D

Acq: 28 Dec 2021 21:09

Instrument :

MSVOA_X

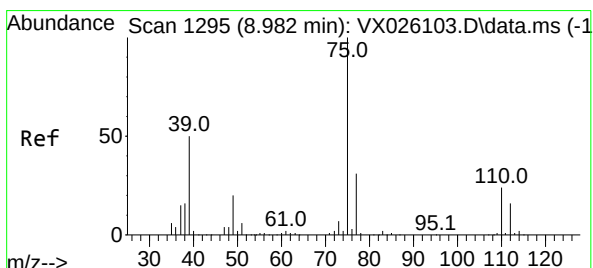
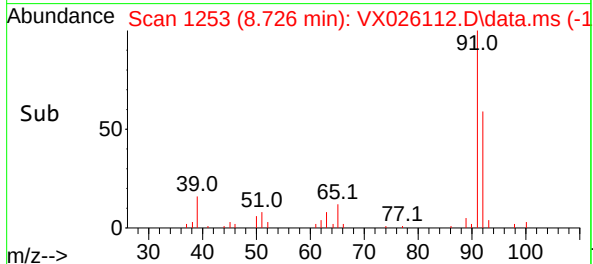
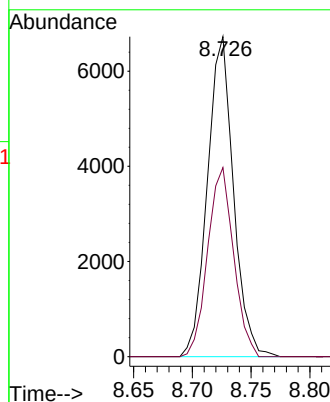
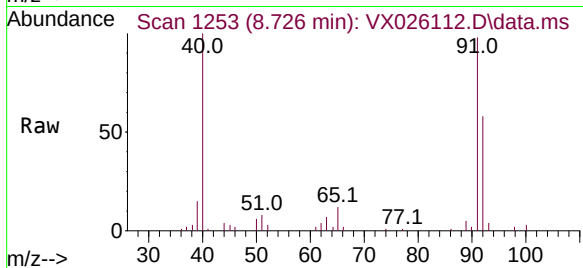
ClientSampleId :

Tgt Ion: 91 Resp: 10382

Ion Ratio Lower Upper

91 100

92 59.1 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 1.077 ug/L

RT: 8.951 min Scan# 1290

Delta R.T. -0.030 min

Lab File: VX026112.D

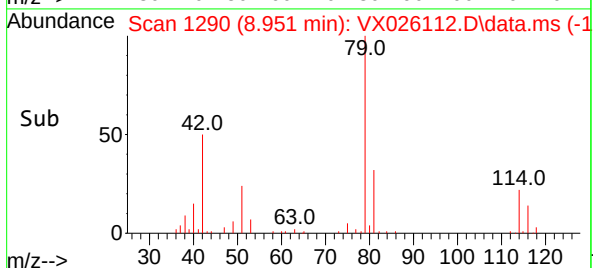
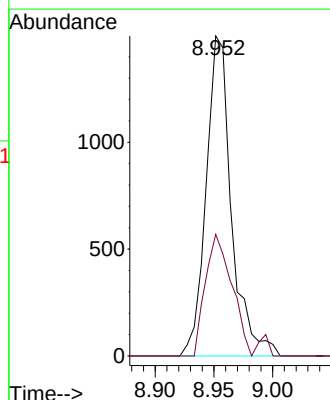
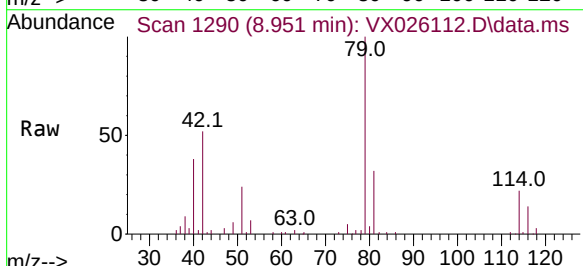
Acq: 28 Dec 2021 21:09

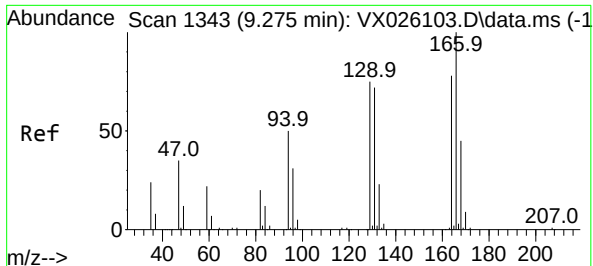
Tgt Ion: 75 Resp: 2242

Ion Ratio Lower Upper

75 100

77 38.0 22.5 41.7





#46

Tetrachloroethene

Concen: 1.988 ug/L

RT: 9.281 min Scan# 1

Delta R.T. 0.006 min

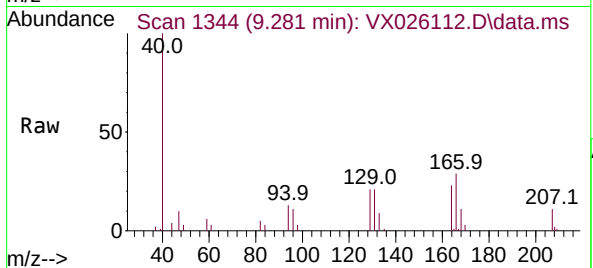
Lab File: VX026112.D

Acq: 28 Dec 2021 21:09

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:164 Resp: 2117

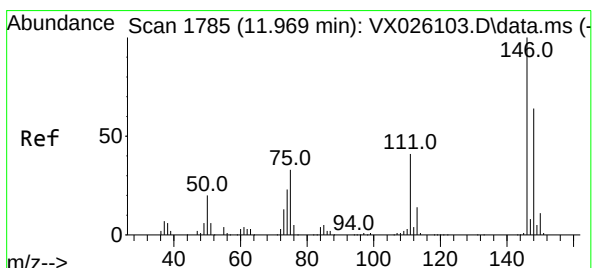
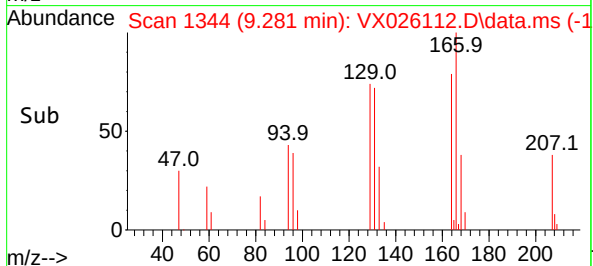
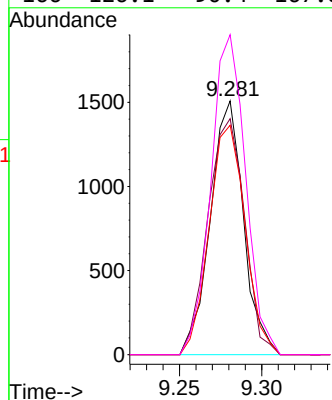
Ion Ratio Lower Upper

164 100

129 93.0 66.3 123.1

131 90.5 63.6 118.0

166 126.1 90.4 167.8



#64

1,3-Dichlorobenzene

Concen: 1292.646 ug/L

RT: 11.981 min Scan# 1787

Delta R.T. 0.012 min

Lab File: VX026112.D

Acq: 28 Dec 2021 21:09

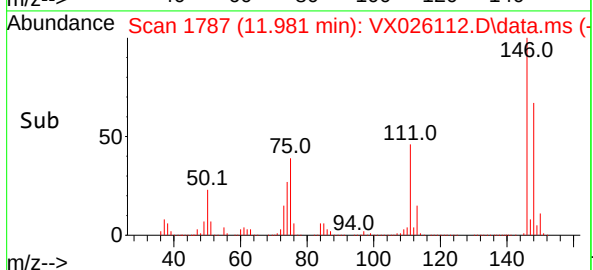
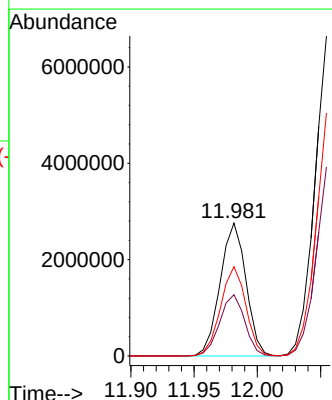
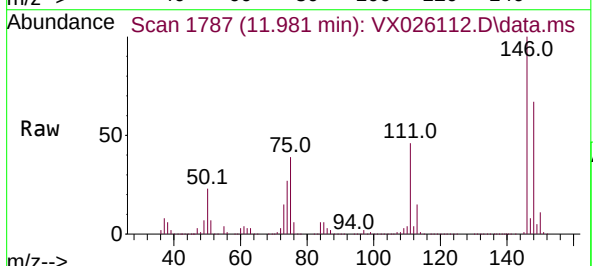
Tgt Ion:146 Resp: 3916243

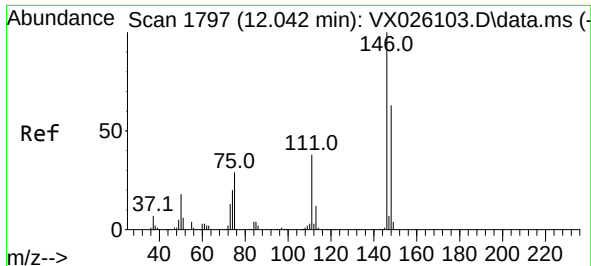
Ion Ratio Lower Upper

146 100

111 46.2 29.4 54.6

148 67.2 45.1 83.9

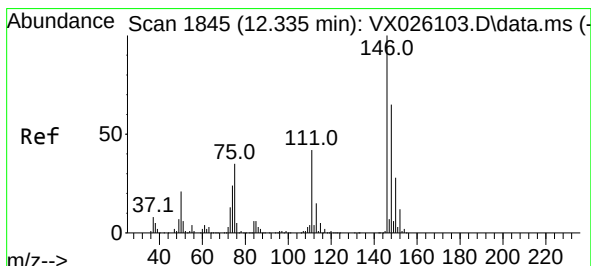
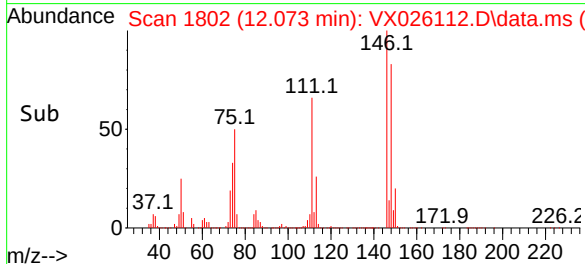
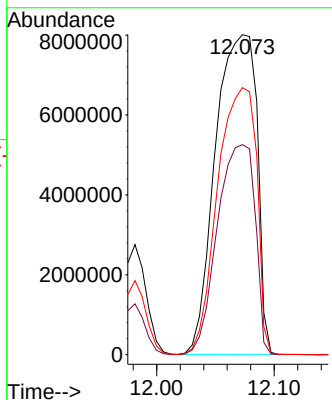
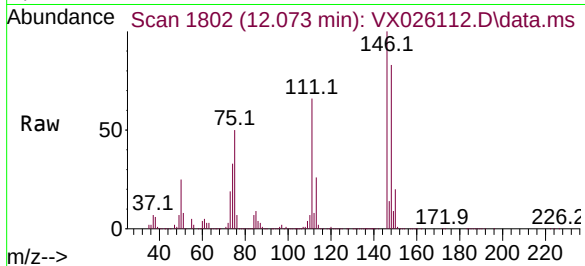




#65
 1,4-Dichlorobenzene
 Concen: 6325.558 ug/L
 RT: 12.073 min Scan# 1802
 Delta R.T. 0.031 min
 Lab File: VX026112.D
 Acq: 28 Dec 2021 21:09

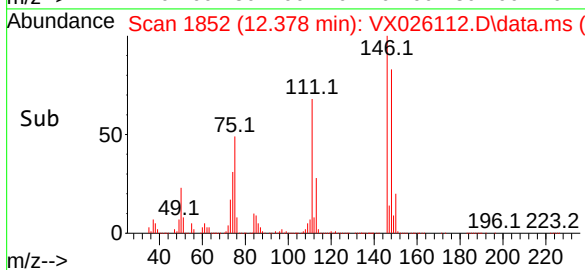
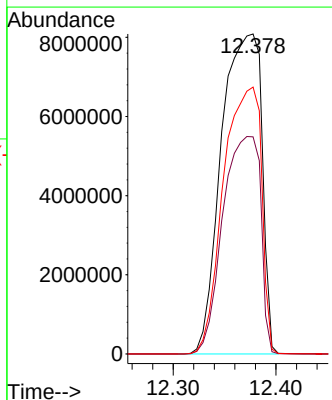
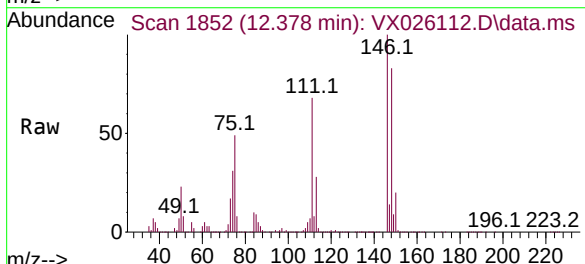
Instrument :
 MSVOA_X
 ClientSampleId :

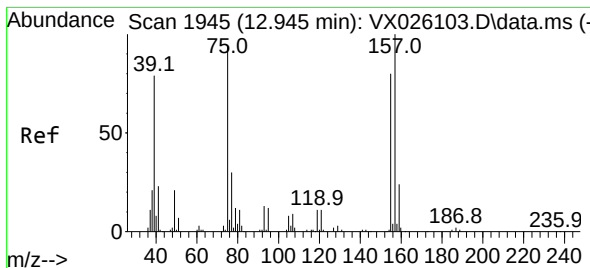
Tgt Ion:146 Resp:19636580
 Ion Ratio Lower Upper
 146 100
 111 65.6 27.4 51.0#
 148 83.4 44.3 82.3#



#67
 1,2-Dichlorobenzene
 Concen: 7297.688 ug/L
 RT: 12.378 min Scan# 1852
 Delta R.T. 0.043 min
 Lab File: VX026112.D
 Acq: 28 Dec 2021 21:09

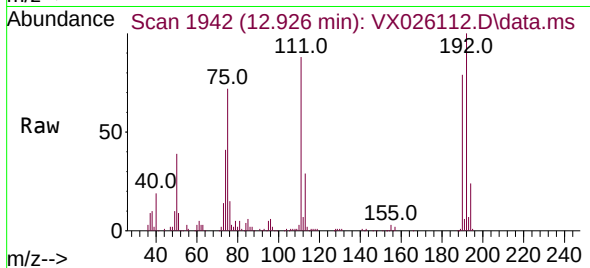
Tgt Ion:146 Resp:22026804
 Ion Ratio Lower Upper
 146 100
 111 67.8 33.1 49.7#
 148 83.4 49.6 74.4#



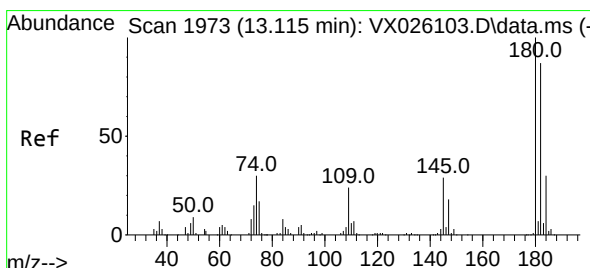
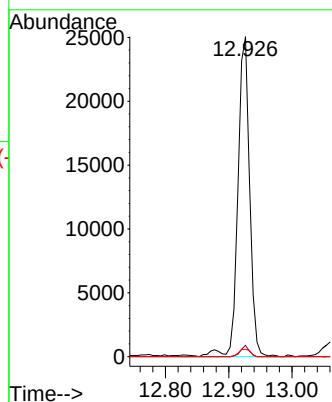
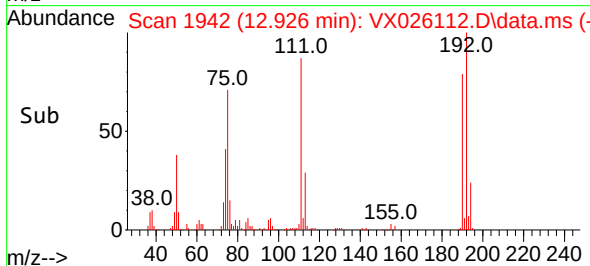


#68
 1,2-Dibromo-3-chloropropane
 Concen: 55.150 ug/L
 RT: 12.926 min Scan# 1942
 Delta R.T. -0.018 min
 Lab File: VX026112.D
 Acq: 28 Dec 2021 21:09

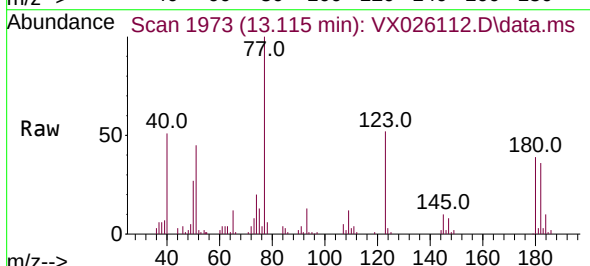
Instrument :
 MSVOA_X
 ClientSampleId :



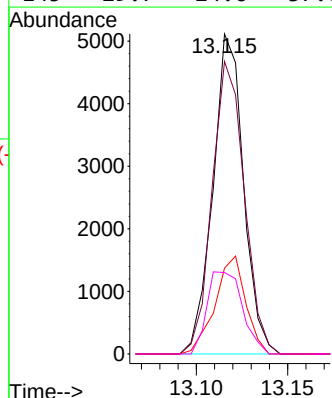
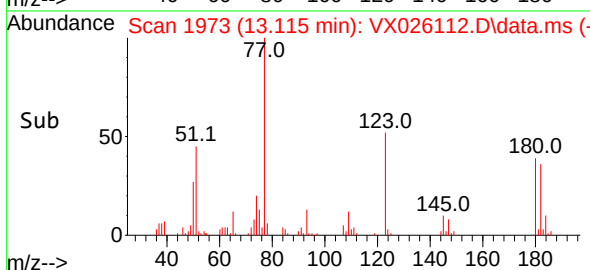
Tgt Ion: 75 Resp: 32516
 Ion Ratio Lower Upper
 75 100
 155 3.6 65.5 98.3#
 157 2.3 85.9 128.9#

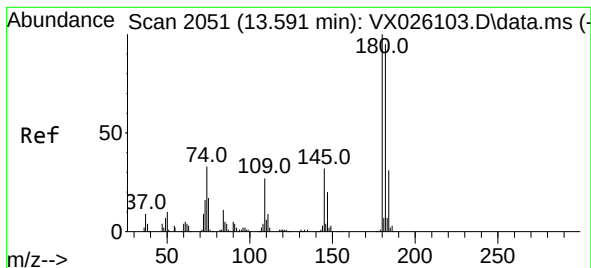


#69
 1,3,5-Trichlorobenzene
 Concen: 2.898 ug/L
 RT: 13.115 min Scan# 1973
 Delta R.T. 0.000 min
 Lab File: VX026112.D
 Acq: 28 Dec 2021 21:09



Tgt Ion: 180 Resp: 5966
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.4 113.2
 184 30.5 24.1 36.1
 145 29.7 24.6 37.0





#70

1,2,4-trichlorobenzene

Concen: 3457.383 ug/L

RT: 13.603 min Scan# 2051

Delta R.T. 0.012 min

Lab File: VX026112.D

Acq: 28 Dec 2021 21:09

Instrument :

MSVOA_X

ClientSampleId :

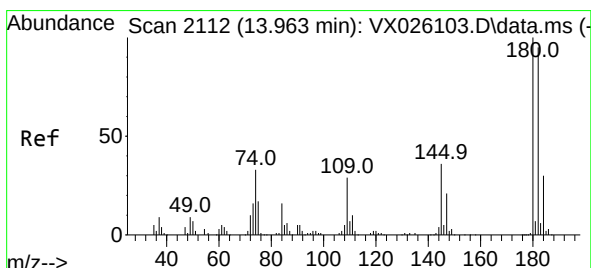
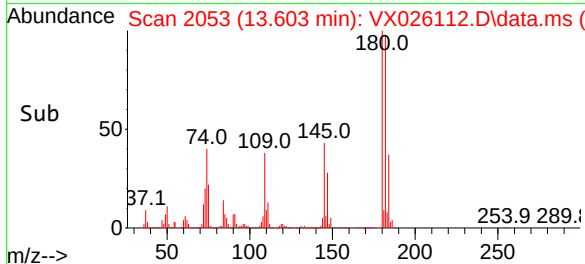
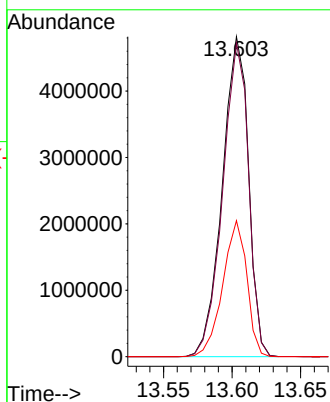
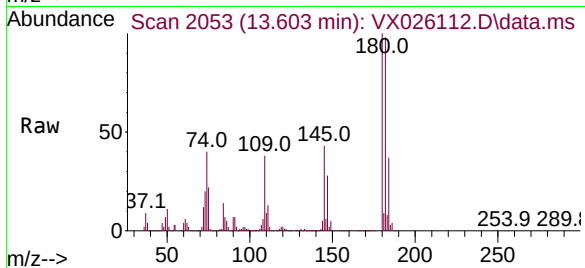
Tgt Ion:180 Resp: 6407483

Ion Ratio Lower Upper

180 100

182 96.5 74.8 112.2

145 39.1 24.9 37.3#



#72

1,2,3-Trichlorobenzene

Concen: 785.991 ug/L

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX026112.D

Acq: 28 Dec 2021 21:09

Tgt Ion:180 Resp: 1478119

Ion Ratio Lower Upper

180 100

182 93.5 76.6 115.0

145 35.0 26.6 39.8

