

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056823.D
 Acq On : 13 Dec 2023 07:27
 Operator : MD/SY
 Sample : 05684-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E06J3

Quant Time: Dec 13 07:41:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 01:32:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	256638	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	251093	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	126503	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	87468	3.976	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.907	69	78537	4.771	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.400%
11) 1,1-Dichloroethene-d2	2.563	65	39785	4.227	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.600%
20) 2-Butanone-d5	4.612	46	208675	48.034	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.060%
24) Chloroform-d	5.055	84	195996	4.705	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	5.695	65	96367	4.889	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	5.721	84	374993	4.815	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.682	67	118508	4.862	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.894	98	314258	4.515	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	8.174	79	42361	4.481	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.627	63	180684	50.677	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.360%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	84181	4.773	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	119921	4.822	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.400%
Target Compounds						
					Qvalue	
13) Acetone	2.624	43	26370	9.960	ug/L	96
15) Methyl Acetate	2.795	43	9201	1.277	ug/L	# 49
19) 1,1-Dichloroethane	3.866	63	19621	0.483	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	43888	1.910	ug/L	94
34) Trichloroethene	6.541	95	15083	0.623	ug/L	88
35) Methylcyclohexane	6.682	83	27735	0.776	ug/L	# 17
47) Tetrachloroethene	8.550	164	9977	0.589	ug/L	94
48) 2-Hexanone	8.679	43	6183	0.810	ug/L	# 84
49) Dibromochloromethane	8.547	129	10764	0.614	ug/L	# 11
51) Chlorobenzene	9.441	112	315557	5.422	ug/L	99
61) 1,2,3-Trichloropropane	11.737	75	766385	56.422	ug/L	# 50
63) 1,2,4-Trimethylbenzene	12.068	105	14861	0.183	ug/L	# 1
64) 1,3-Dichlorobenzene	11.740	146	2237229	47.319	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	5163734	110.919	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	9020073	209.426	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.975	75	1596	0.589	ug/L	# 7
69) 1,3,5-Trichlorobenzene	13.833	180	168381	4.713	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	168381	5.952	ug/L	98
72) 1,2,3-Trichlorobenzene	14.322	180	68228	2.841	ug/L	97

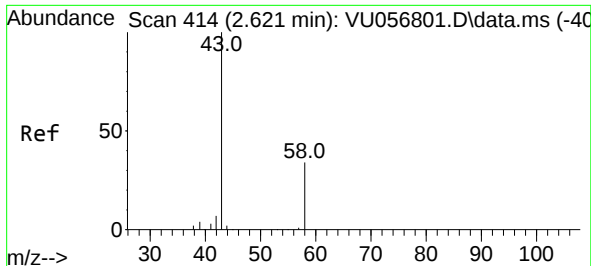
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 13 01:32:29 2023
Response via : Initial Calibration

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

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



#13

Acetone

Concen: 9.960 ug/L

RT: 2.624 min Scan# 414

Delta R.T. 0.003 min

Lab File: VU056823.D

Acq: 13 Dec 2023 07:27

Instrument :

MSVOA_U

ClientSampleId :

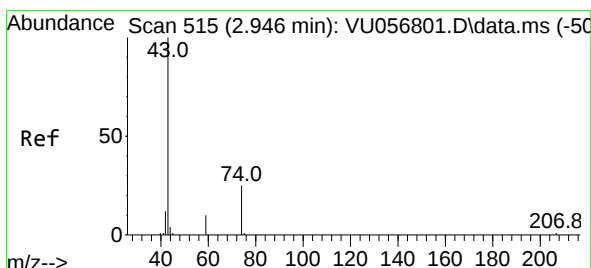
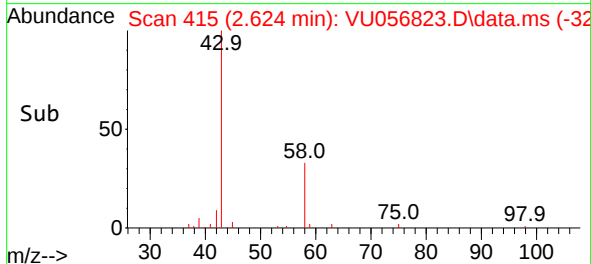
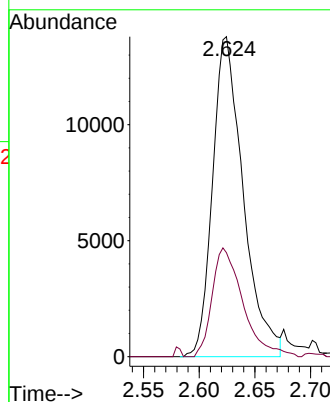
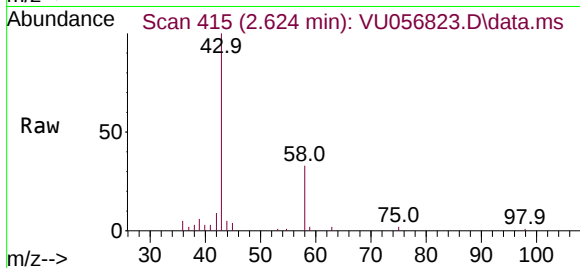
E06J3

Tgt Ion: 43 Resp: 26370

Ion Ratio Lower Upper

43 100

58 34.2 0.0 72.6



#15

Methyl Acetate

Concen: 1.277 ug/L

RT: 2.795 min Scan# 468

Delta R.T. -0.151 min

Lab File: VU056823.D

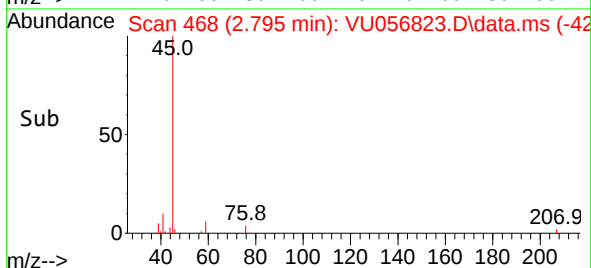
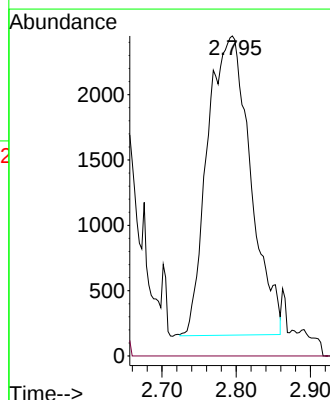
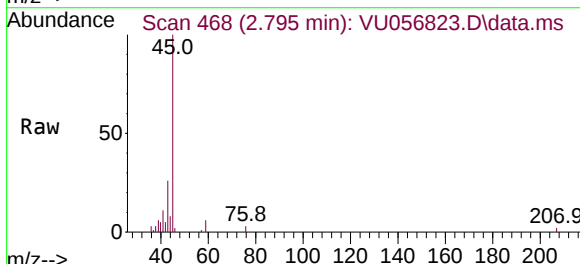
Acq: 13 Dec 2023 07:27

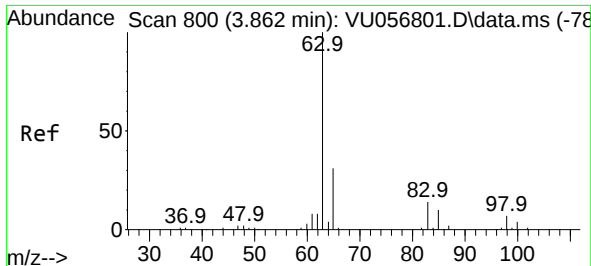
Tgt Ion: 43 Resp: 9201

Ion Ratio Lower Upper

43 100

74 0.0 21.0 31.6#





#19

1,1-Dichloroethane

Concen: 0.483 ug/L

RT: 3.866 min Scan# 800

Delta R.T. 0.003 min

Lab File: VU056823.D

Acq: 13 Dec 2023 07:27

Instrument :

MSVOA_U

ClientSampleId :

E06J3

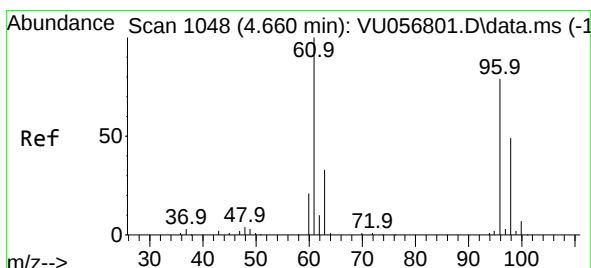
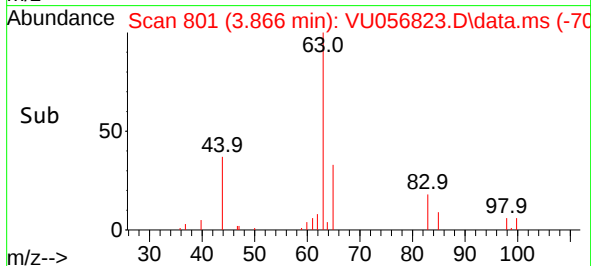
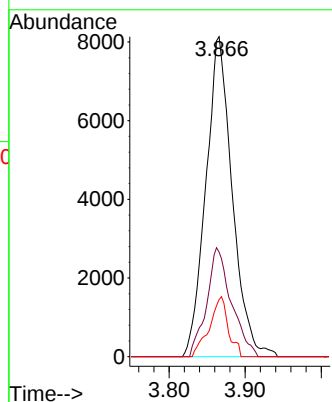
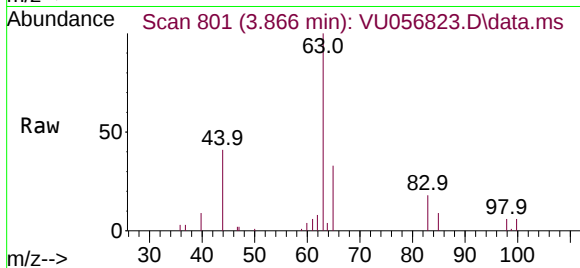
Tgt Ion: 63 Resp: 19621

Ion Ratio Lower Upper

63 100

65 31.5 22.9 42.5

83 17.2 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 1.910 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU056823.D

Acq: 13 Dec 2023 07:27

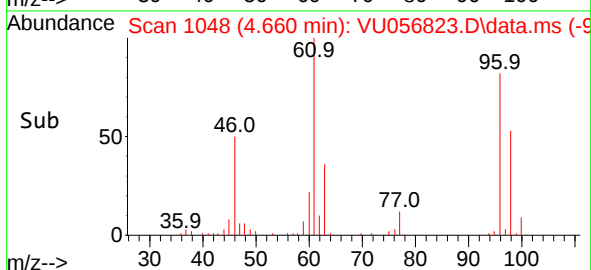
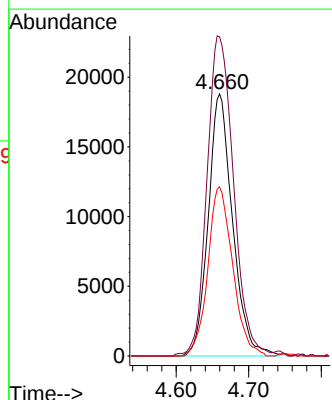
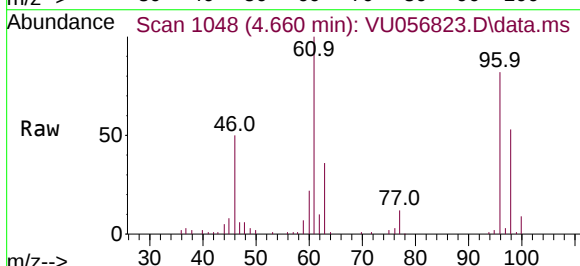
Tgt Ion: 96 Resp: 43888

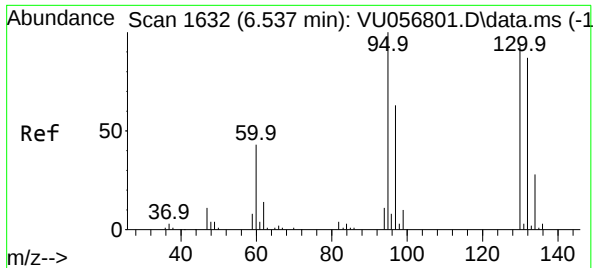
Ion Ratio Lower Upper

96 100

61 121.8 91.3 169.6

98 64.6 44.2 82.0

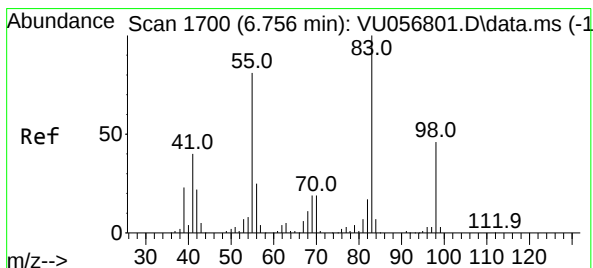
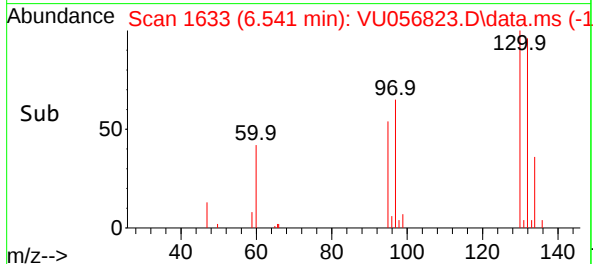
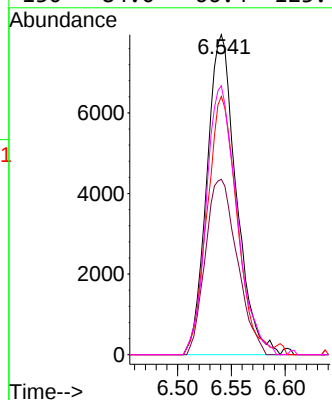
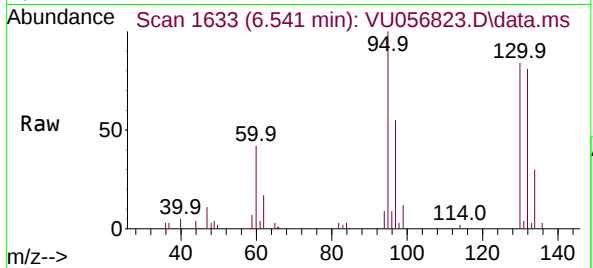




#34
Trichloroethene
Concen: 0.623 ug/L
RT: 6.541 min Scan# 1677
Delta R.T. 0.003 min
Lab File: VU056823.D
Acq: 13 Dec 2023 07:27

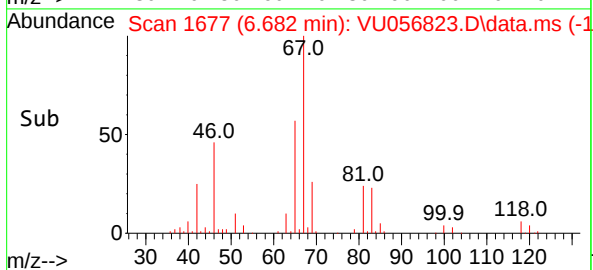
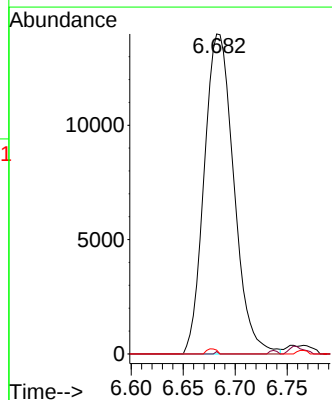
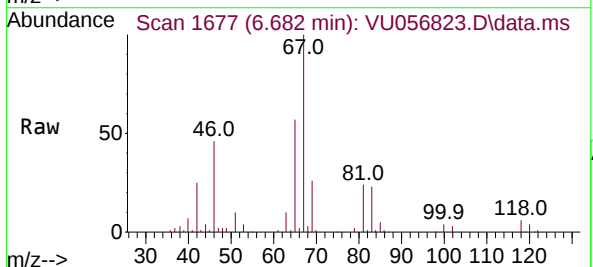
Instrument :
MSVOA_U
ClientSampleId :
E06J3

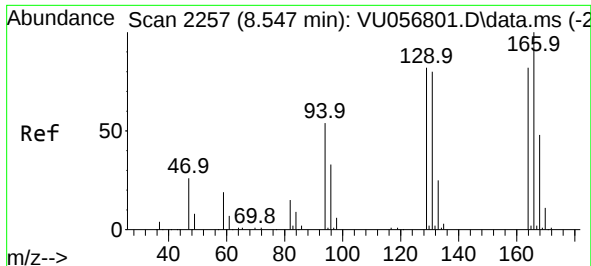
Tgt Ion: 95 Resp: 15083
Ion Ratio Lower Upper
95 100
97 54.8 46.1 85.5
132 80.7 63.6 118.0
130 84.0 66.4 123.4



#35
Methylcyclohexane
Concen: 0.776 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU056823.D
Acq: 13 Dec 2023 07:27

Tgt Ion: 83 Resp: 27735
Ion Ratio Lower Upper
83 100
55 0.1 64.6 97.0#
98 0.5 36.1 54.1#



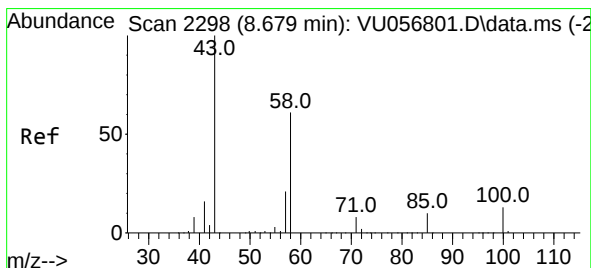
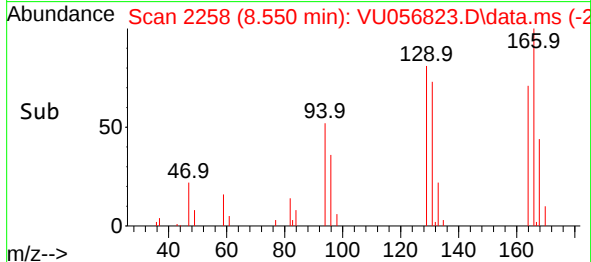
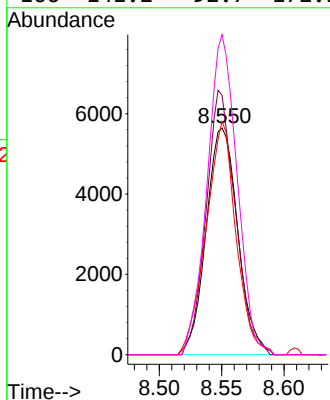
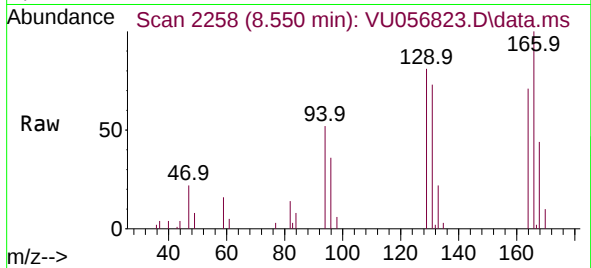


#47
Tetrachloroethene
Concen: 0.589 ug/L
RT: 8.550 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056823.D
Acq: 13 Dec 2023 07:27

Instrument :
MSVOA_U
ClientSampleId :
E06J3

Tgt Ion:164 Resp: 9977

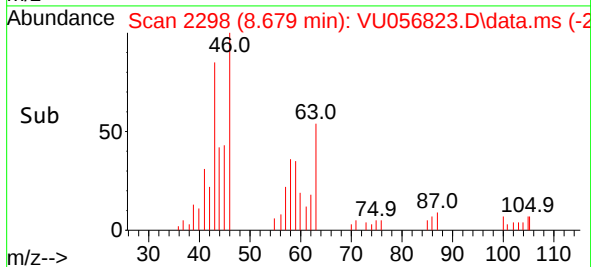
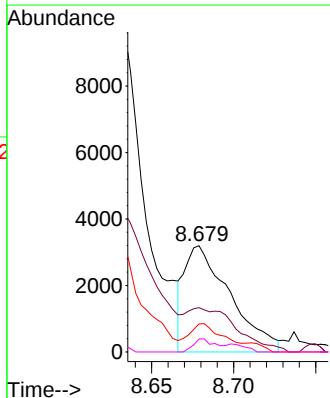
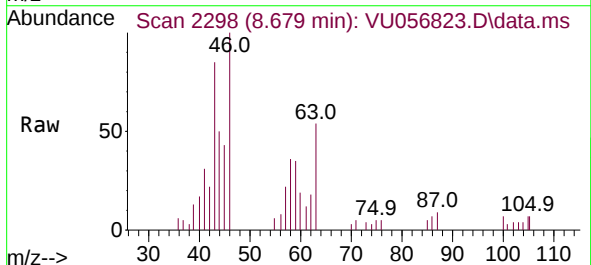
Ion	Ratio	Lower	Upper
164	100		
129	114.5	73.4	136.4
131	102.8	71.5	132.9
166	141.2	92.7	172.1

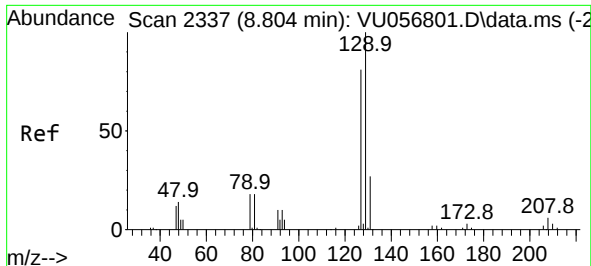


#48
2-Hexanone
Concen: 0.810 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VU056823.D
Acq: 13 Dec 2023 07:27

Tgt Ion: 43 Resp: 6183

Ion	Ratio	Lower	Upper
43	100		
58	44.3	47.5	71.3#
57	23.4	17.0	25.4
100	5.5	9.8	14.8#





#49

Dibromochloromethane

Concen: 0.614 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU056823.D

Acq: 13 Dec 2023 07:27

Instrument :

MSVOA_U

ClientSampleId :

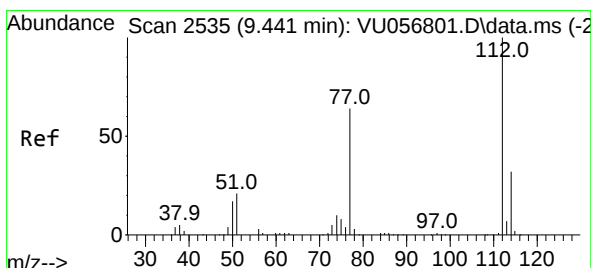
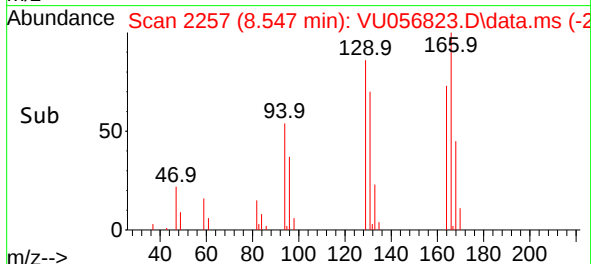
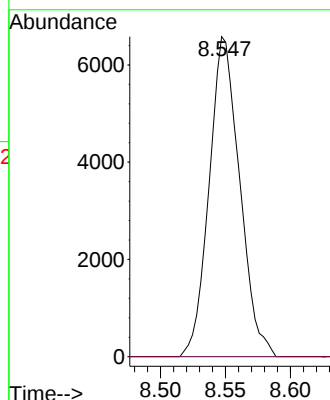
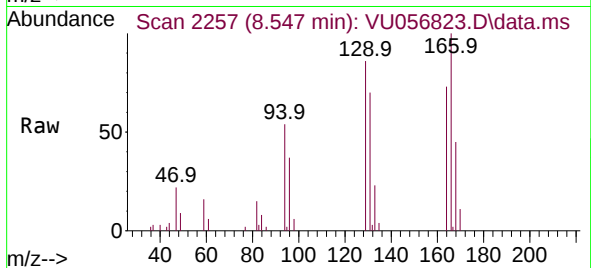
E06J3

Tgt Ion:129 Resp: 10764

Ion Ratio Lower Upper

129 100

127 0.0 53.9 100.1#



#51

Chlorobenzene

Concen: 5.422 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU056823.D

Acq: 13 Dec 2023 07:27

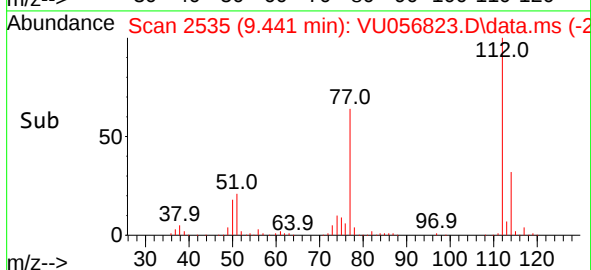
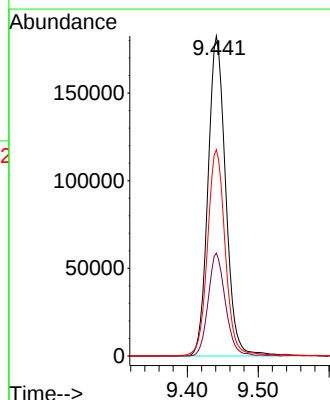
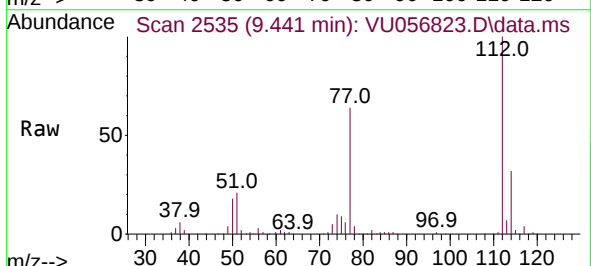
Tgt Ion:112 Resp: 315557

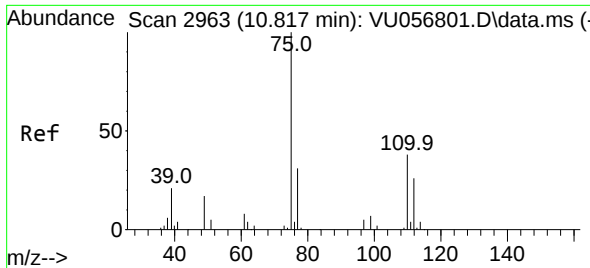
Ion Ratio Lower Upper

112 100

114 32.2 21.9 40.7

77 64.4 51.6 77.4

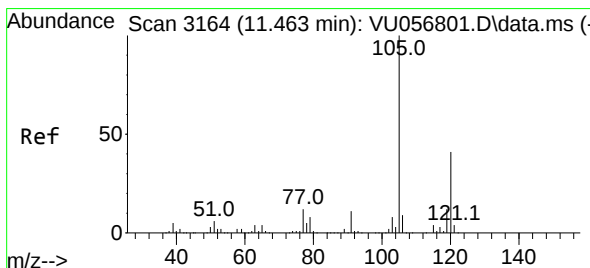
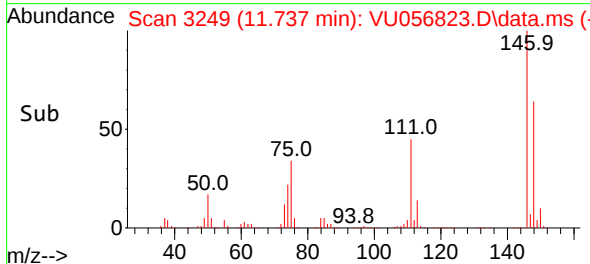
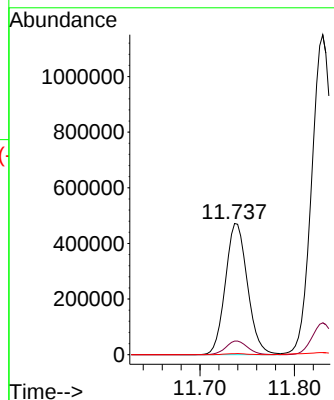
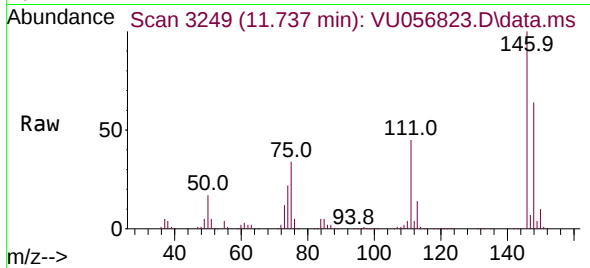




#61
1,2,3-Trichloropropane
Concen: 56.422 ug/L
RT: 11.737 min Scan# 311
Delta R.T. 0.920 min
Lab File: VU056823.D
Acq: 13 Dec 2023 07:27

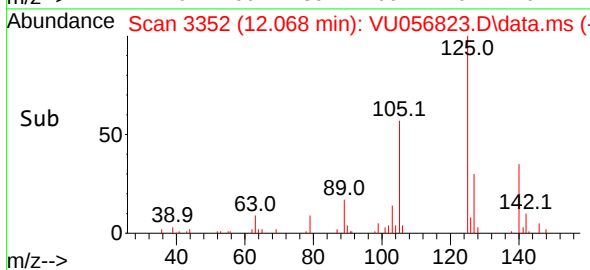
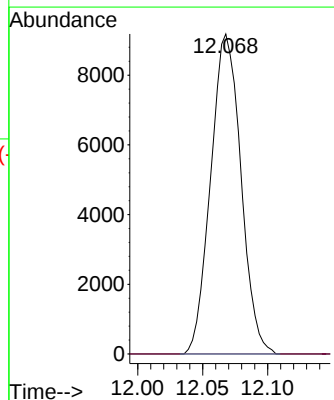
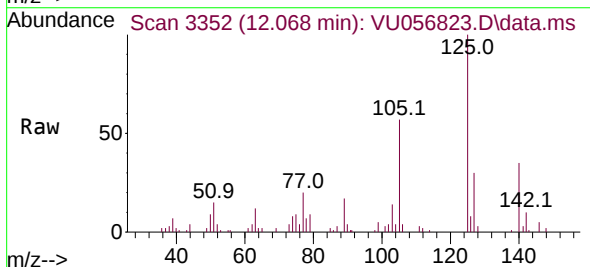
Instrument :
MSVOA_U
ClientSampleId :
E06J3

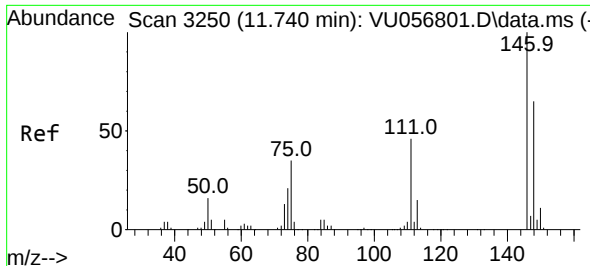
Tgt Ion: 75 Resp: 766385
Ion Ratio Lower Upper
75 100
110 10.3 28.4 42.6#
77 0.8 26.3 39.5#



#63
1,2,4-Trimethylbenzene
Concen: 0.183 ug/L
RT: 12.068 min Scan# 3352
Delta R.T. 0.605 min
Lab File: VU056823.D
Acq: 13 Dec 2023 07:27

Tgt Ion: 105 Resp: 14861
Ion Ratio Lower Upper
105 100
120 132.5 34.2 51.4#

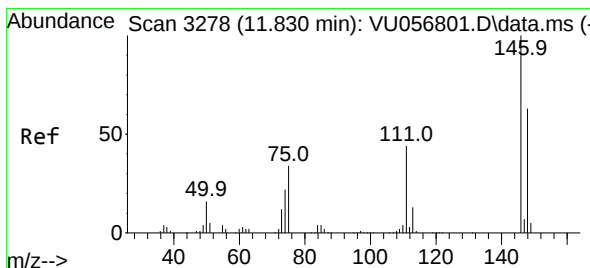
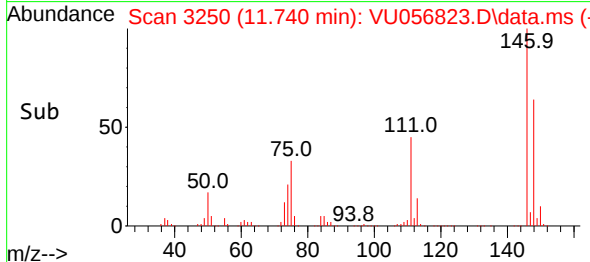
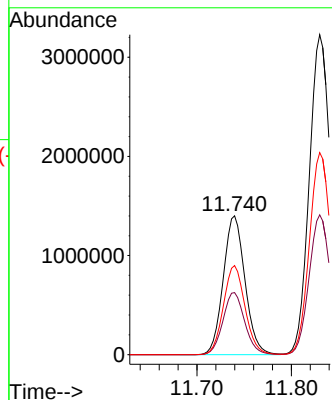
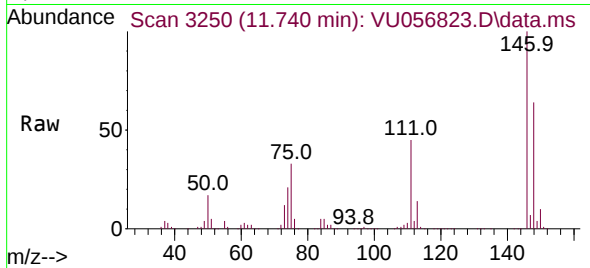




#64
1,3-Dichlorobenzene
Concen: 47.319 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056823.D
Acq: 13 Dec 2023 07:27

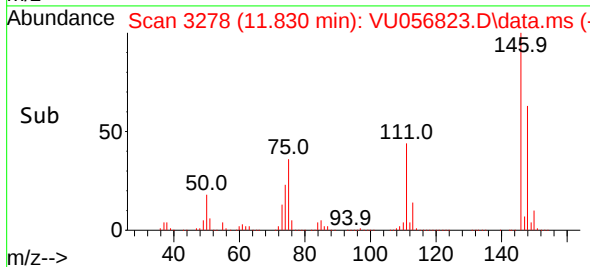
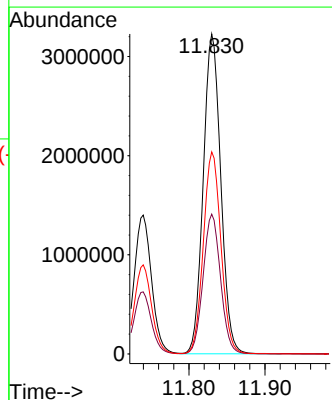
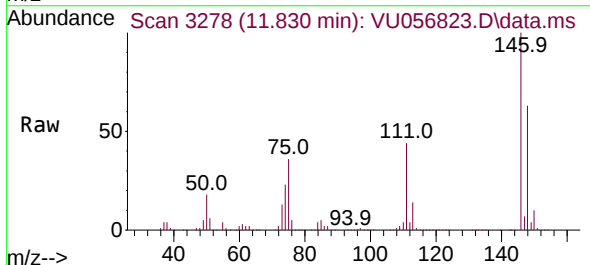
Instrument :
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ClientSampleId :
E06J3

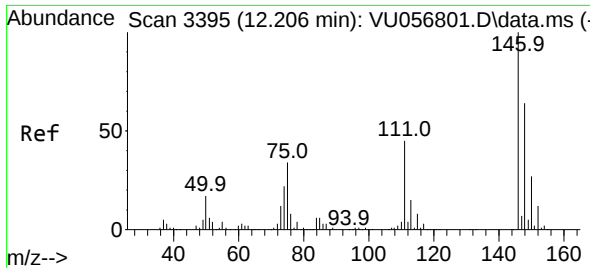
Tgt Ion:146 Resp: 2237229
Ion Ratio Lower Upper
146 100
111 44.7 31.7 58.9
148 64.2 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 110.919 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU056823.D
Acq: 13 Dec 2023 07:27

Tgt Ion:146 Resp: 5163734
Ion Ratio Lower Upper
146 100
111 43.7 31.2 58.0
148 63.2 45.6 84.8

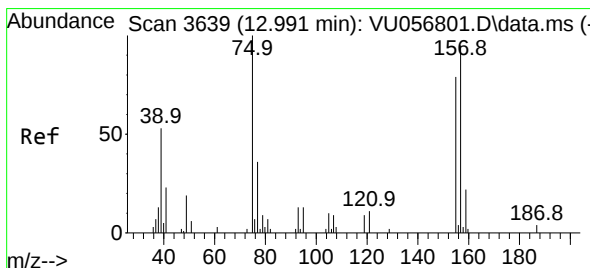
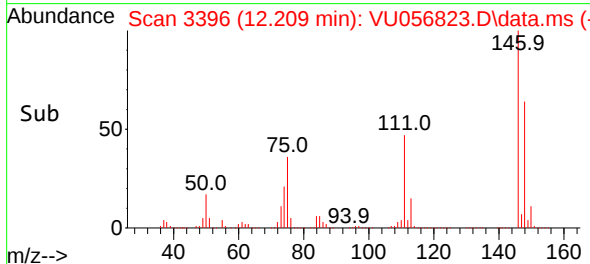
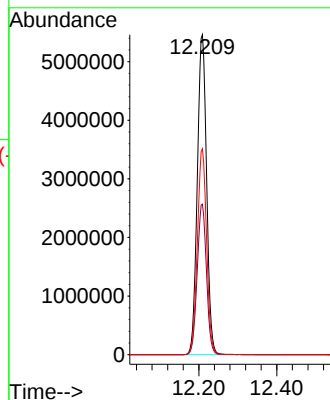
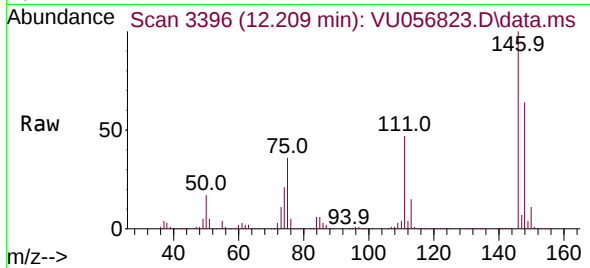




#67
1,2-Dichlorobenzene
Concen: 209.426 ug/L
RT: 12.209 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU056823.D
Acq: 13 Dec 2023 07:27

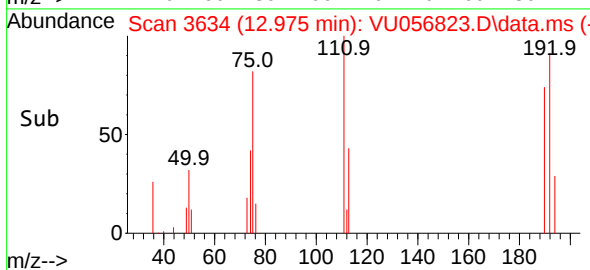
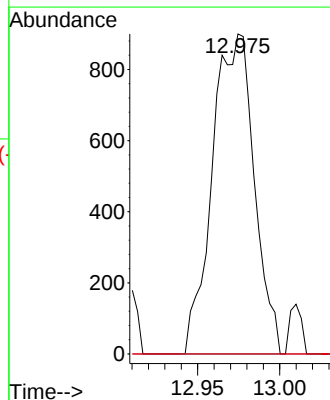
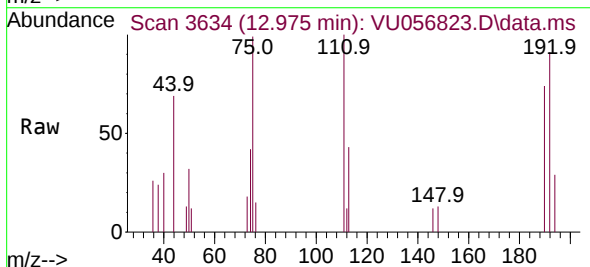
Instrument :
MSVOA_U
ClientSampleId :
E06J3

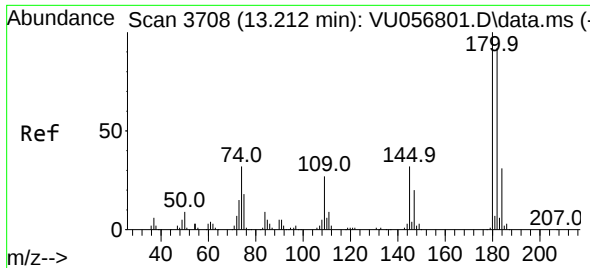
Tgt Ion:146 Resp: 9020073
Ion Ratio Lower Upper
146 100
111 47.0 36.9 55.3
148 64.3 53.0 79.4



#68
1,2-Dibromo-3-chloropropane
Concen: 0.589 ug/L
RT: 12.975 min Scan# 3634
Delta R.T. -0.016 min
Lab File: VU056823.D
Acq: 13 Dec 2023 07:27

Tgt Ion: 75 Resp: 1596
Ion Ratio Lower Upper
75 100
155 0.0 55.4 83.2#
157 0.0 77.3 115.9#

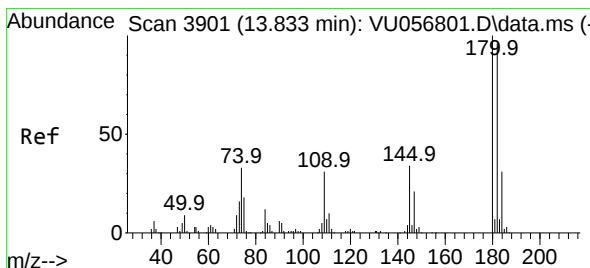
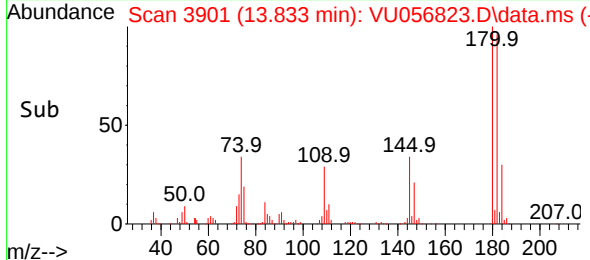
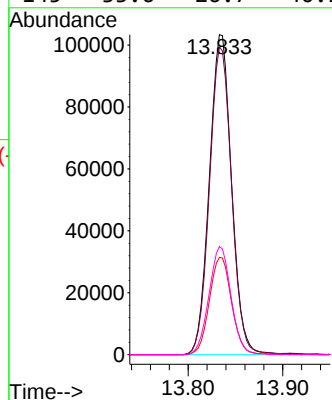
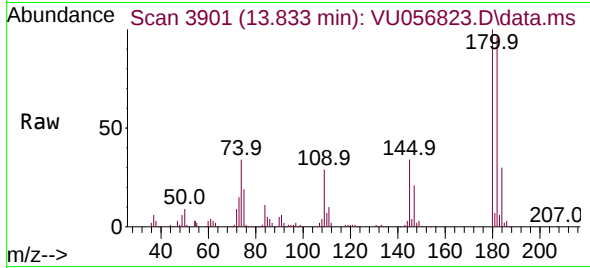




#69
 1,3,5-Trichlorobenzene
 Concen: 4.713 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.621 min
 Lab File: VU056823.D
 Acq: 13 Dec 2023 07:27

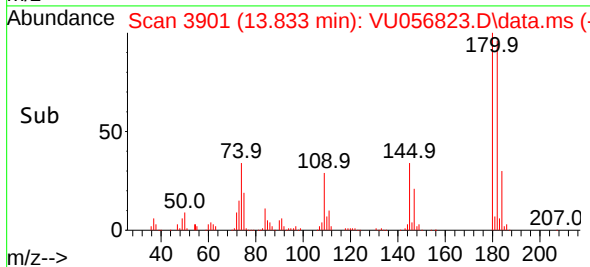
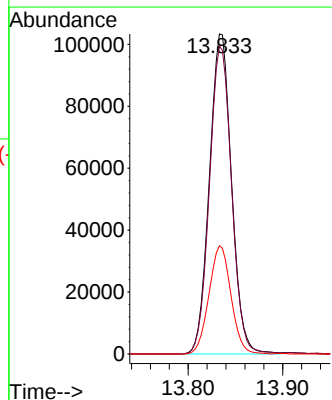
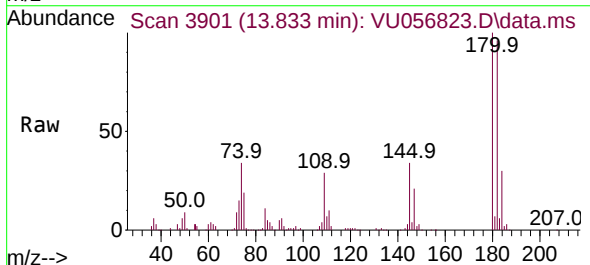
Instrument :
 MSVOA_U
 ClientSampleId :
 E06J3

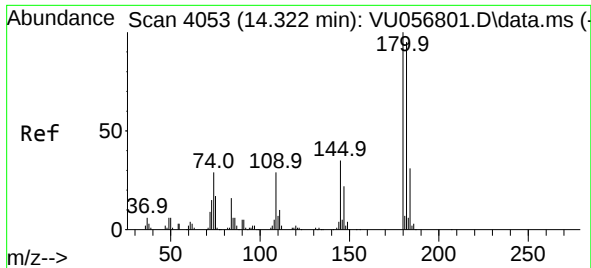
Tgt Ion:180 Resp: 168381
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.2 114.4
 184 30.4 24.6 37.0
 145 33.6 26.7 40.1



#70
 1,2,4-trichlorobenzene
 Concen: 5.952 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU056823.D
 Acq: 13 Dec 2023 07:27

Tgt Ion:180 Resp: 168381
 Ion Ratio Lower Upper
 180 100
 182 95.9 74.3 111.5
 145 33.6 26.7 40.1





#72
 1,2,3-Trichlorobenzene
 Concen: 2.841 ug/L
 RT: 14.322 min Scan# 4053
 Delta R.T. 0.000 min
 Lab File: VU056823.D
 Acq: 13 Dec 2023 07:27

Instrument :
 MSVOA_U
 ClientSampleId :
 E06J3

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	75.0	112.6
145	35.4	28.6	42.8

