

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121024\
 Data File : VU062221.D
 Acq On : 10 Dec 2024 20:43
 Operator : MD/SY
 Sample : P5247-01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 03:48:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 11 03:43:25 2024
 Response via : Initial Calibration

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

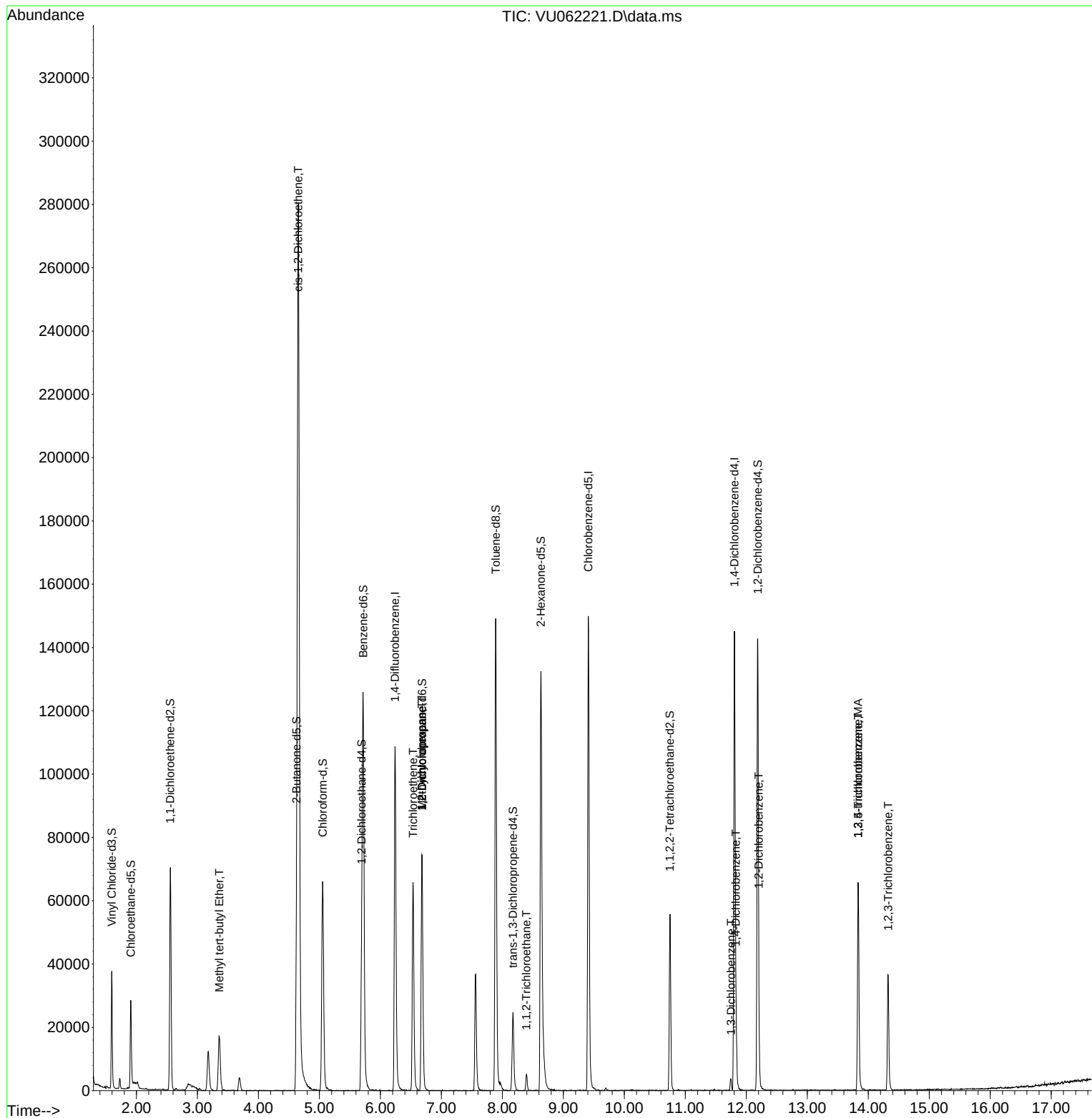
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	91558	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	86802	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	40860	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	27012	4.374	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.400%
7) Chloroethane-d5	1.908	69	20047	4.564	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.554	65	13758	4.683	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.600%
20) 2-Butanone-d5	4.624	46	60534	51.146	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.300%
24) Chloroform-d	5.052	84	65711	4.916	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.692	65	35944	5.469	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.400%
32) Benzene-d6	5.718	84	120209	4.808	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.682	67	35149	4.914	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.891	98	106412	4.506	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	8.174	79	14406	4.575	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.600%
46) 2-Hexanone-d5	8.631	63	49795	52.421	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.840%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	27317	4.908	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	40594	5.391	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.800%
Target Compounds						Qvalue
17) Methyl tert-butyl Ether	3.358	73	21319	1.384	ug/L	96
22) cis-1,2-Dichloroethene	4.653	96	147637	20.737	ug/L	94
34) Trichloroethene	6.534	95	23440	3.076	ug/L	93
35) Methylcyclohexane	6.679	83	9240	0.818	ug/L #	30
37) 1,2-Dichloropropane	6.679	63	4285	0.654	ug/L #	87
45) 1,1,2-Trichloroethane	8.393	97	1867	0.378	ug/L	91
64) 1,3-Dichlorobenzene	11.750	146	1887	0.139	ug/L	86
65) 1,4-Dichlorobenzene	11.830	146	7274	0.533	ug/L	95
67) 1,2-Dichlorobenzene	12.203	146	2103	0.168	ug/L #	87
69) 1,3,5-Trichlorobenzene	13.833	180	22237	2.206	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	22440	2.820	ug/L	97
72) 1,2,3-Trichlorobenzene	14.325	180	12686	1.808	ug/L	96

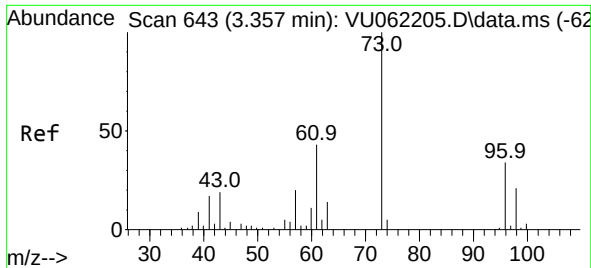
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

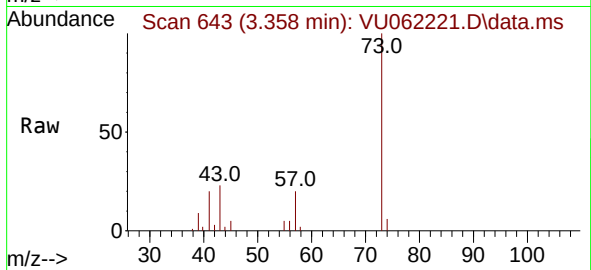
Quant Time: Dec 11 03:48:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 11 03:43:25 2024
Response via : Initial Calibration



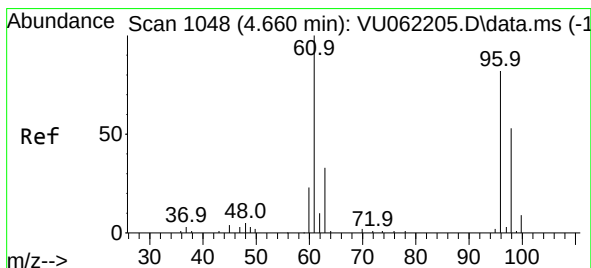
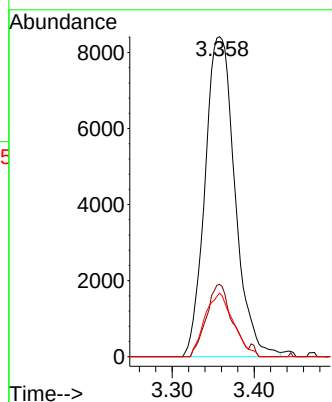
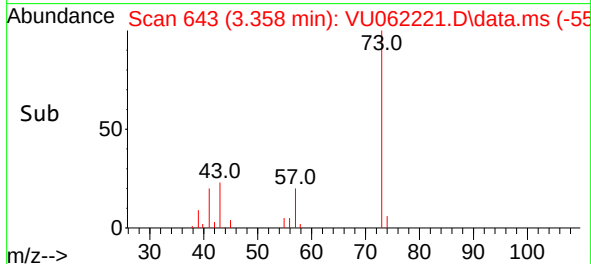


#17
Methyl tert-butyl Ether
Concen: 1.384 ug/L
RT: 3.358 min Scan# 64
Delta R.T. 0.000 min
Lab File: VU062221.D
Acq: 10 Dec 2024 20:43

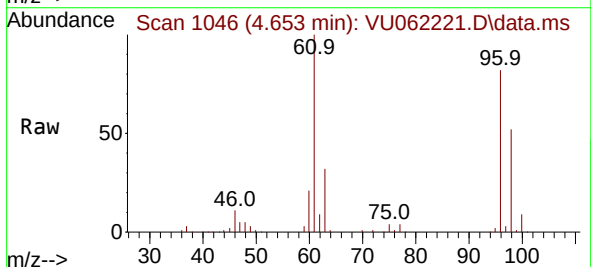
Instrument :
MSVOA_U
ClientSampleId :



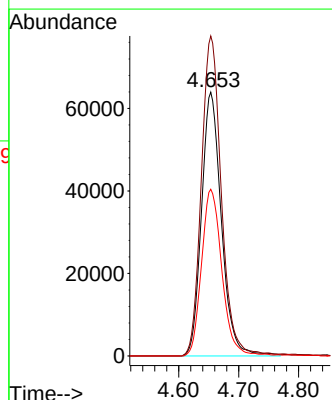
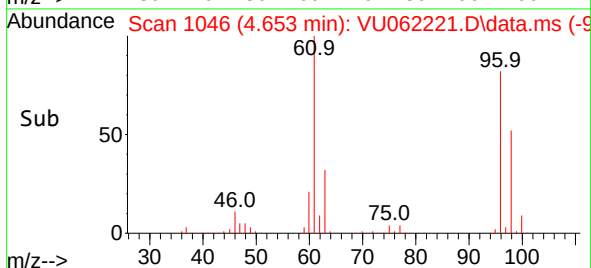
Tgt Ion: 73	Resp: 21319
Ion Ratio	Lower Upper
73 100	
43 19.2	16.3 24.5
57 18.9	17.1 25.7

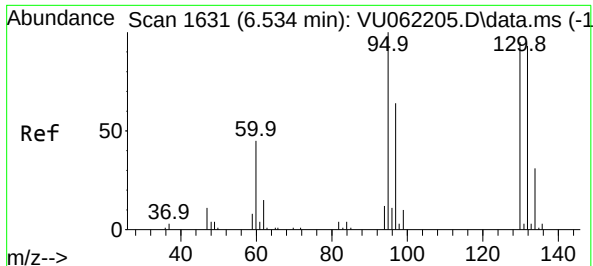


#22
cis-1,2-Dichloroethene
Concen: 20.737 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.006 min
Lab File: VU062221.D
Acq: 10 Dec 2024 20:43



Tgt Ion: 96	Resp: 147637
Ion Ratio	Lower Upper
96 100	
61 121.3	92.0 170.8
98 63.2	44.5 82.7





#34

Trichloroethene

Concen: 3.076 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

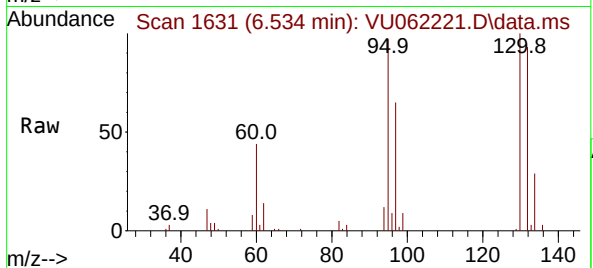
Lab File: VU062221.D

Acq: 10 Dec 2024 20:43

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 23440

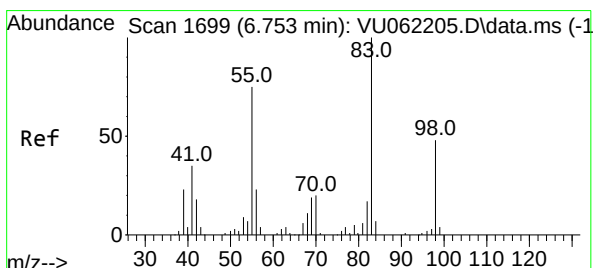
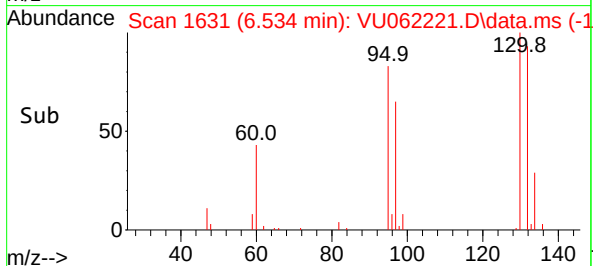
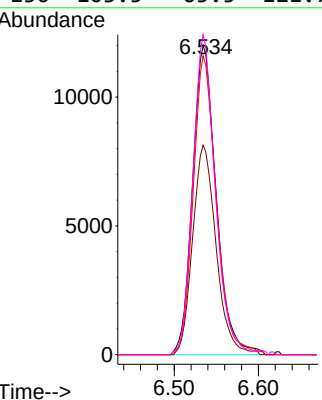
Ion Ratio Lower Upper

95 100

97 67.8 45.9 85.3

132 96.7 63.8 118.4

130 103.5 65.5 121.7



#35

Methylcyclohexane

Concen: 0.818 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.074 min

Lab File: VU062221.D

Acq: 10 Dec 2024 20:43

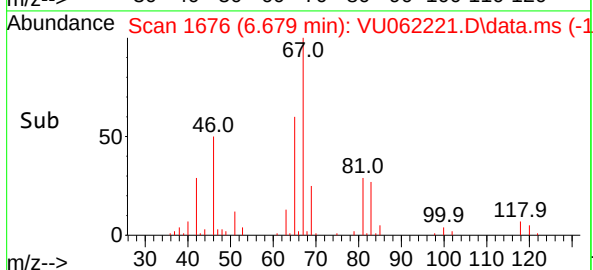
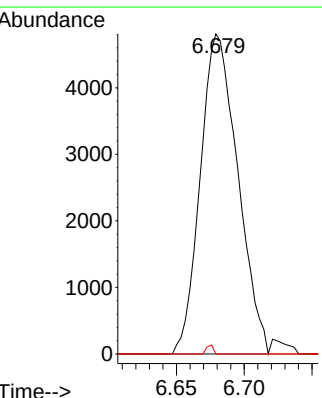
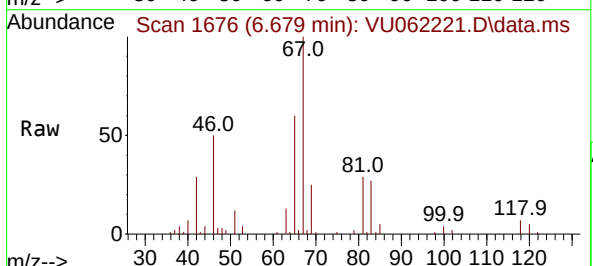
Tgt Ion: 83 Resp: 9240

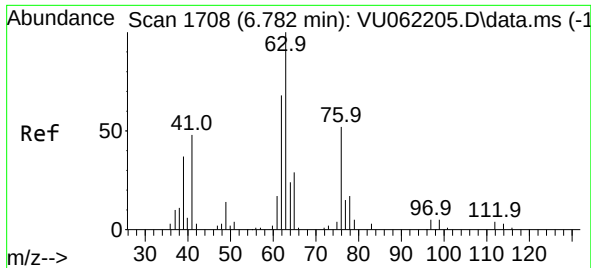
Ion Ratio Lower Upper

83 100

55 0.0 60.7 91.1#

98 20.1 34.8 52.2#

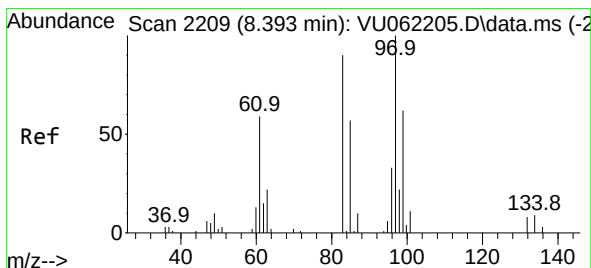
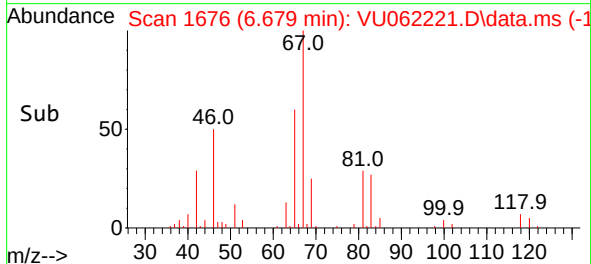
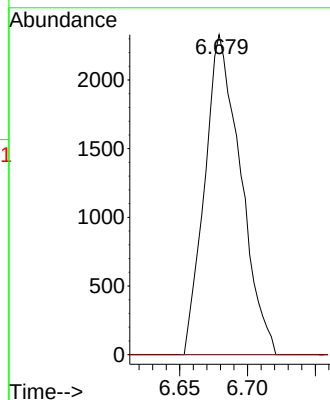
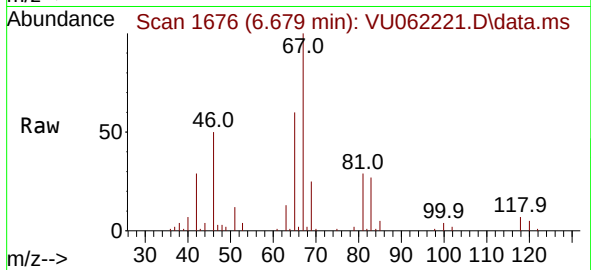




#37
1,2-Dichloropropane
Concen: 0.654 ug/L
RT: 6.679 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU062221.D
Acq: 10 Dec 2024 20:43

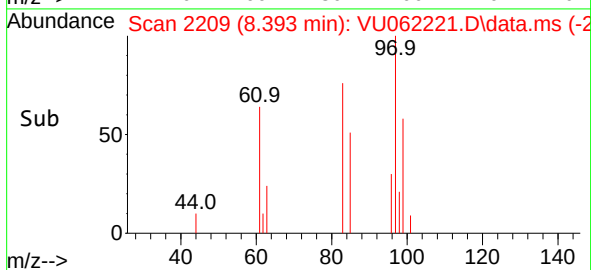
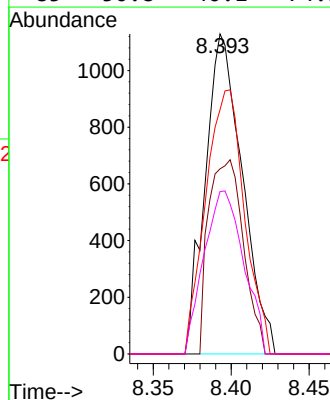
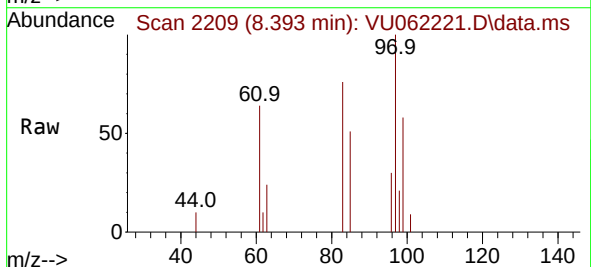
Instrument :
MSVOA_U
ClientSampleId :

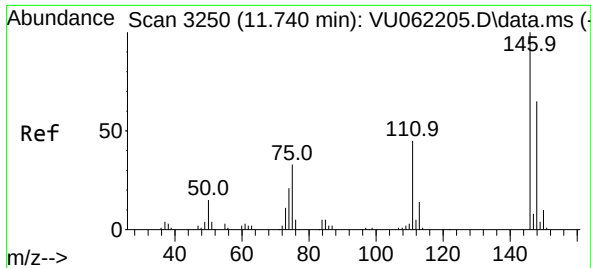
Tgt Ion: 63 Resp: 4285
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#45
1,1,2-Trichloroethane
Concen: 0.378 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU062221.D
Acq: 10 Dec 2024 20:43

Tgt Ion: 97 Resp: 1867
Ion Ratio Lower Upper
97 100
99 57.8 43.0 79.8
83 76.4 61.7 114.5
85 50.8 40.1 74.5

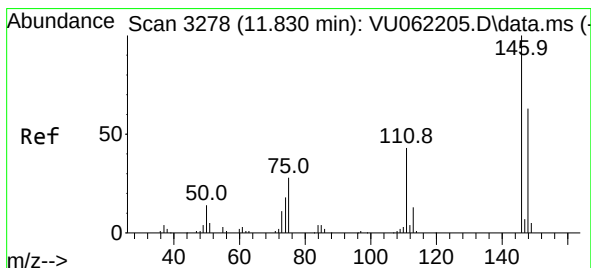
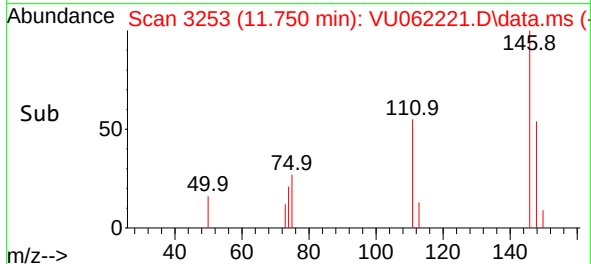
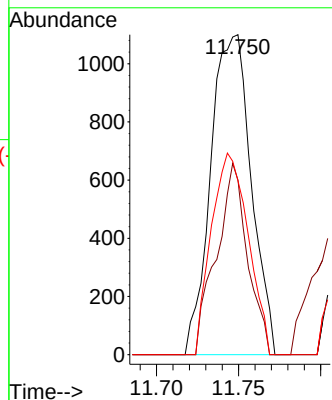
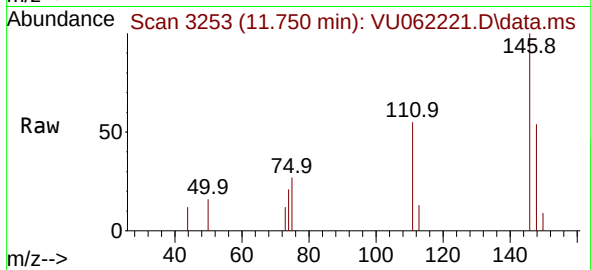




#64
1,3-Dichlorobenzene
Concen: 0.139 ug/L
RT: 11.750 min Scan# 31
Delta R.T. 0.010 min
Lab File: VU062221.D
Acq: 10 Dec 2024 20:43

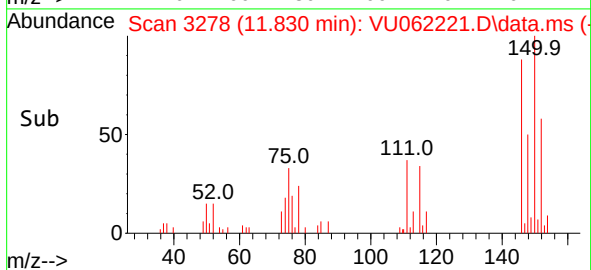
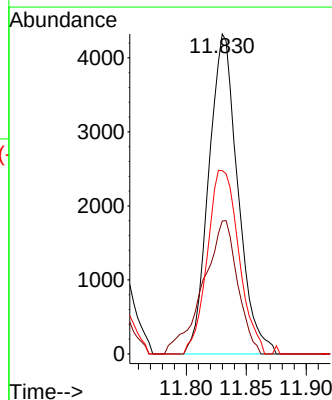
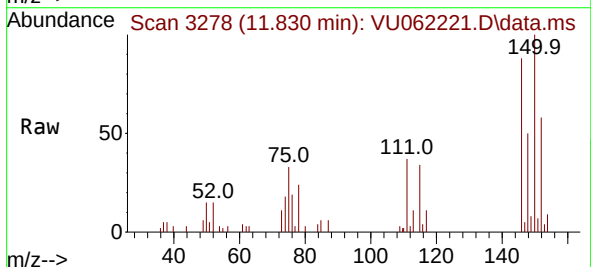
Instrument :
MSVOA_U
ClientSampleId :

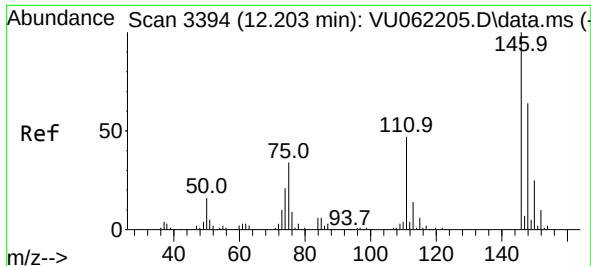
Tgt Ion:146 Resp: 1887
Ion Ratio Lower Upper
146 100
111 54.5 30.7 57.1
148 54.4 45.1 83.7



#65
1,4-Dichlorobenzene
Concen: 0.533 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU062221.D
Acq: 10 Dec 2024 20:43

Tgt Ion:146 Resp: 7274
Ion Ratio Lower Upper
146 100
111 41.6 29.3 54.3
148 57.3 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 0.168 ug/L

RT: 12.203 min Scan# 31

Delta R.T. 0.000 min

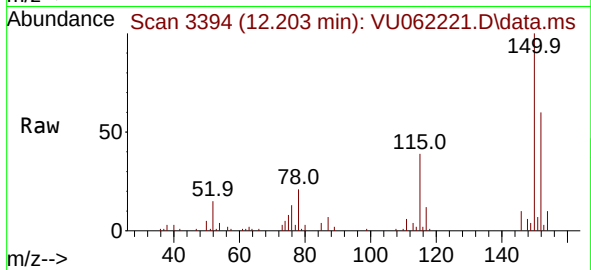
Lab File: VU062221.D

Acq: 10 Dec 2024 20:43

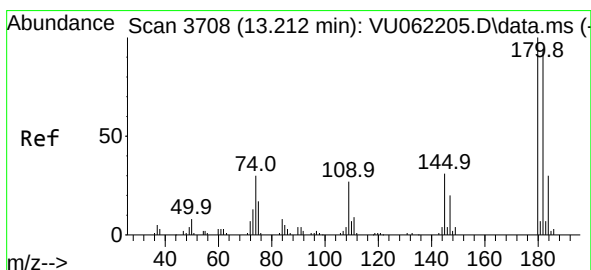
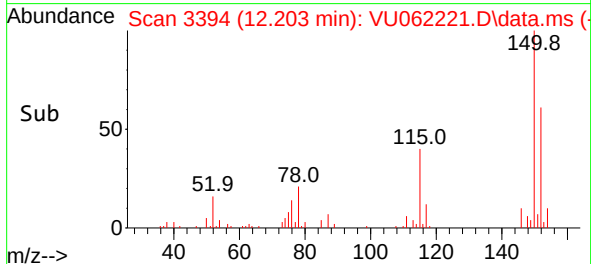
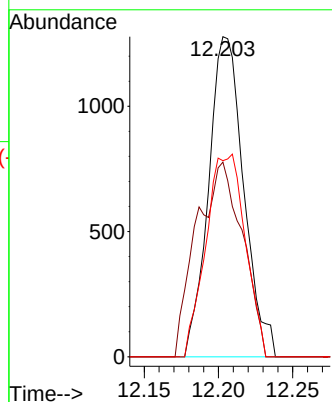
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	146	Resp:	2103
Ion	Ratio	Lower	Upper
146	100		
111	60.8	36.0	54.0#
148	61.3	52.3	78.5



#69

1,3,5-Trichlorobenzene

Concen: 2.206 ug/L

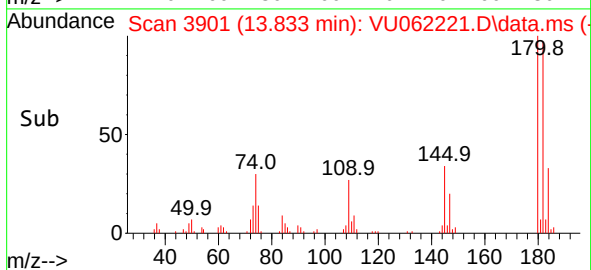
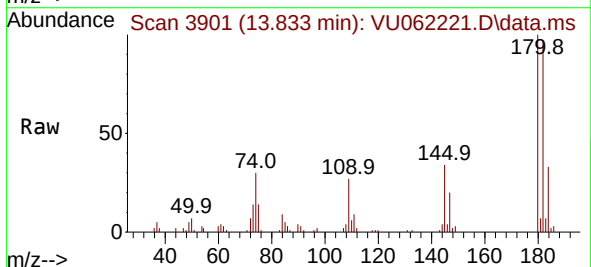
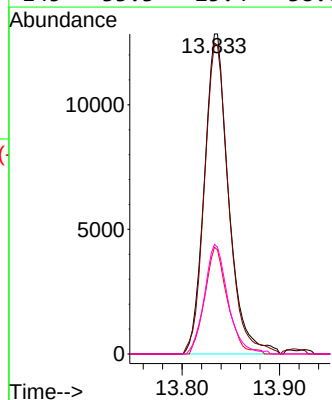
RT: 13.833 min Scan# 3901

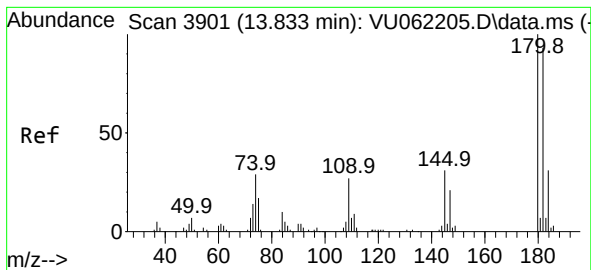
Delta R.T. 0.621 min

Lab File: VU062221.D

Acq: 10 Dec 2024 20:43

Tgt Ion:	180	Resp:	22237
Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.7	115.1
184	31.2	24.8	37.2
145	33.3	25.4	38.0





#70

1,2,4-trichlorobenzene

Concen: 2.820 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU062221.D

Acq: 10 Dec 2024 20:43

Instrument :

MSVOA_U

ClientSampleId :

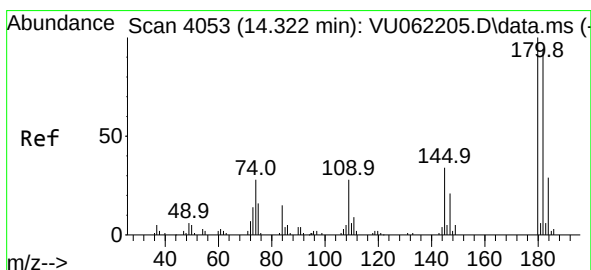
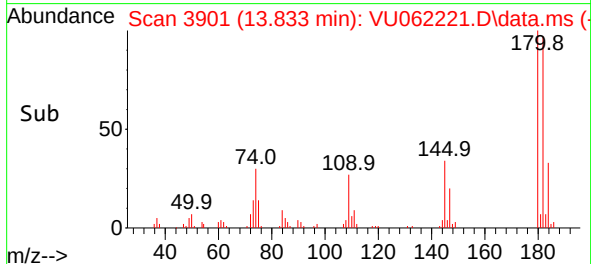
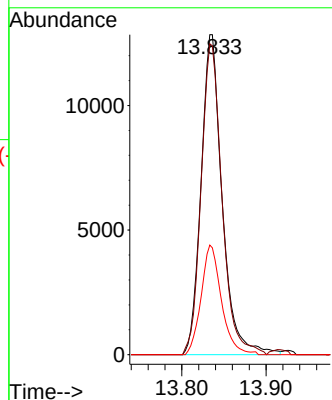
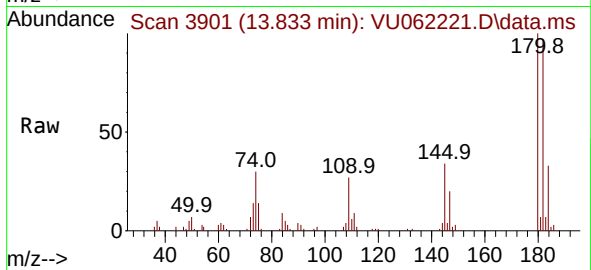
Tgt Ion:180 Resp: 22440

Ion Ratio Lower Upper

180 100

182 96.1 74.5 111.7

145 33.0 25.6 38.4



#72

1,2,3-Trichlorobenzene

Concen: 1.808 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU062221.D

Acq: 10 Dec 2024 20:43

Tgt Ion:180 Resp: 12686

Ion Ratio Lower Upper

180 100

182 99.8 76.1 114.1

145 34.7 27.4 41.0

