

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
 Data File : VU055622.D
 Acq On : 02 Oct 2023 22:59
 Operator : MD/SY
 Sample : 04679-25
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 06:24:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 03 06:03:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	159516	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	163650	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	80528	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	60312	3.741	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.800%
7) Chloroethane-d5	1.914	69	59223	4.168	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.400%
11) 1,1-Dichloroethene-d2	2.567	65	23540	3.547	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.000%
20) 2-Butanone-d5	4.637	46	164440	56.469	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.940%
24) Chloroform-d	5.062	84	133081	4.564	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
26) 1,2-Dichloroethane-d4	5.702	65	65859	4.695	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.724	84	247175	4.318	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	6.689	67	79916	4.673	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.400%
41) Toluene-d8	7.898	98	201406	3.860	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.200%
43) trans-1,3-Dichloroprop...	8.177	79	27107	4.516	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.400%
46) 2-Hexanone-d5	8.634	63	83874	45.943	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.880%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	62243	4.856	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	73470	4.520	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	2352	0.172	ug/L	96
5) Vinyl chloride	1.605	62	8035	0.545	ug/L	91
16) Methylene chloride	3.046	84	4687	0.351	ug/L	90
18) trans-1,2-Dichloroethene	3.351	96	6818	0.607	ug/L	95
19) 1,1-Dichloroethane	3.866	63	33192	1.597	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	478881	36.744	ug/L	98
27) 1,2-Dichloroethane	5.795	62	11156	0.826	ug/L #	93
35) Methylcyclohexane	6.685	83	18801	0.980	ug/L #	20
37) 1,2-Dichloropropane	6.689	63	9480	0.770	ug/L #	88
48) 2-Hexanone	8.679	43	17997	4.156	ug/L #	82
51) Chlorobenzene	9.447	112	12701	0.395	ug/L	96
61) 1,2,3-Trichloropropane	11.749	75	2510	0.399	ug/L #	50
64) 1,3-Dichlorobenzene	11.746	146	6622	0.298	ug/L	94
65) 1,4-Dichlorobenzene	11.836	146	6267	0.282	ug/L	93
67) 1,2-Dichlorobenzene	12.216	146	4022	0.197	ug/L #	91
69) 1,3,5-Trichlorobenzene	13.843	180	13372	0.874	ug/L	98
70) 1,2,4-trichlorobenzene	13.843	180	13372	1.146	ug/L	98

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QLast Update : Tue Oct 03 06:03:59 2023
Response via : Initial Calibration

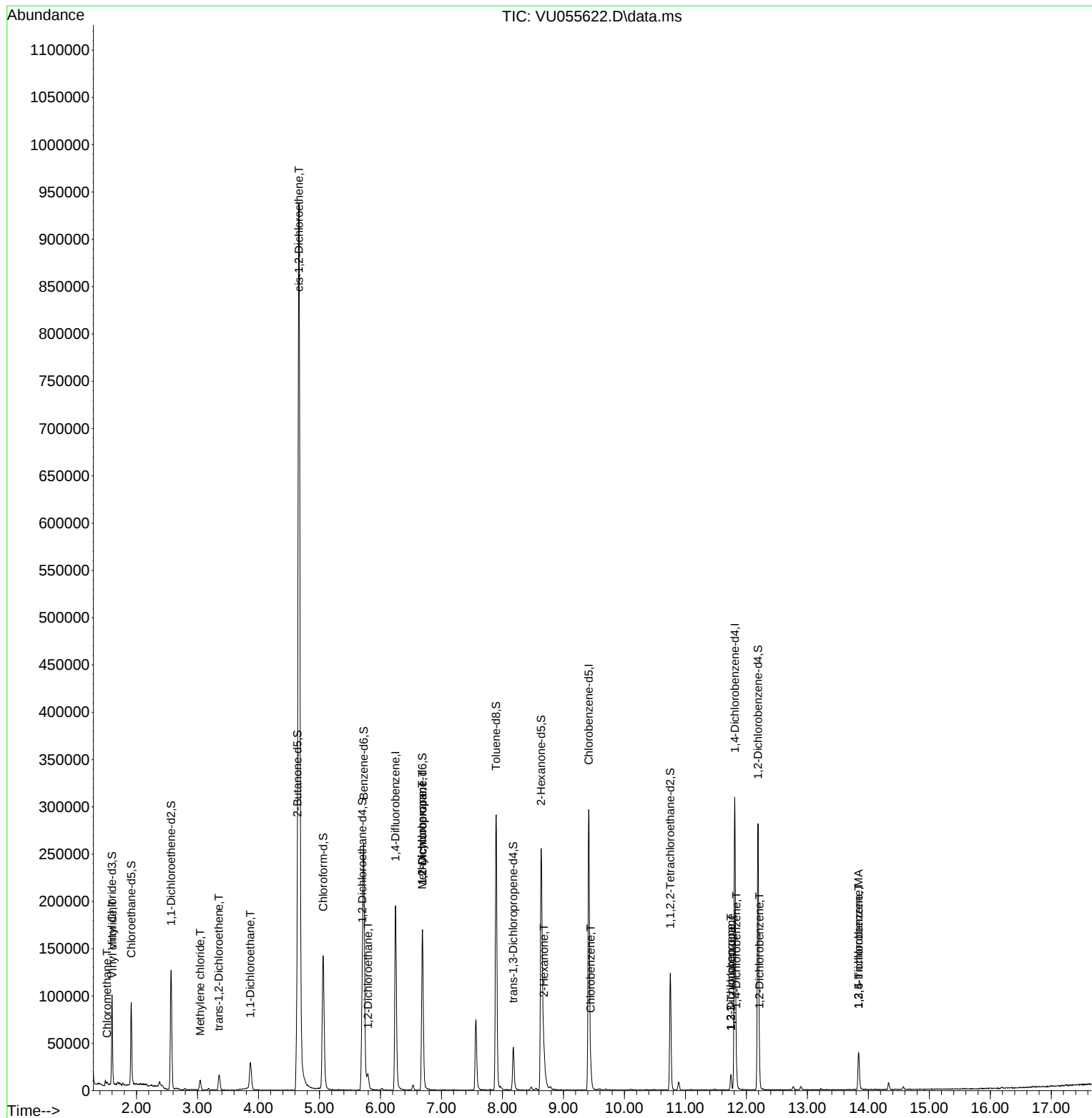
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

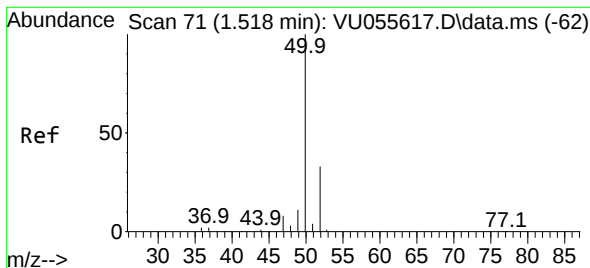
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#3

Chloromethane

Concen: 0.172 ug/L

RT: 1.518 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU055622.D

Acq: 02 Oct 2023 22:59

Instrument :

MSVOA_U

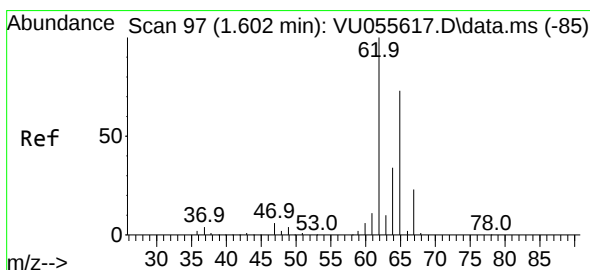
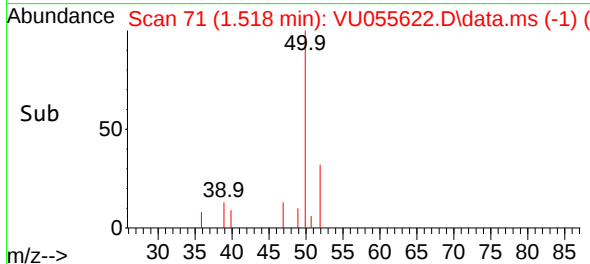
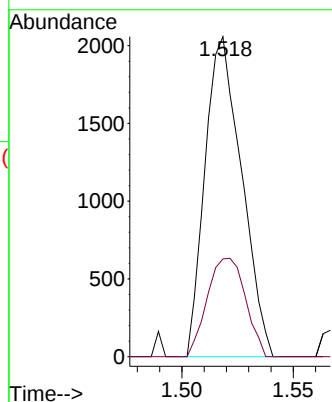
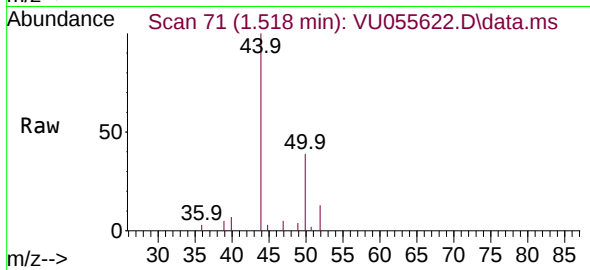
ClientSampleId :

Tgt Ion: 50 Resp: 2352

Ion Ratio Lower Upper

50 100

52 30.6 22.9 42.5



#5

Vinyl chloride

Concen: 0.545 ug/L

RT: 1.605 min Scan# 98

Delta R.T. 0.003 min

Lab File: VU055622.D

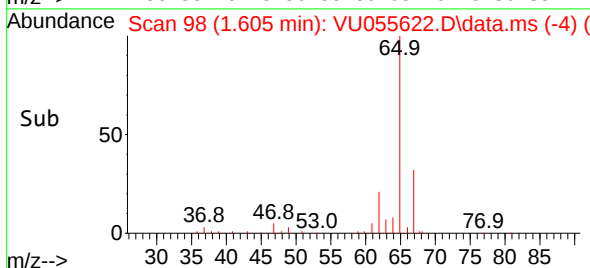
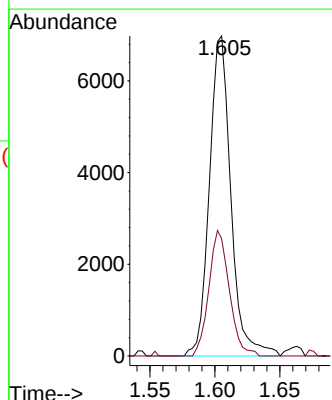
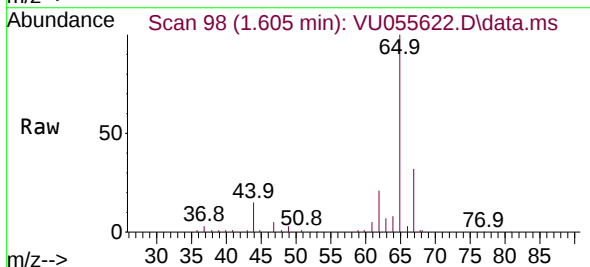
Acq: 02 Oct 2023 22:59

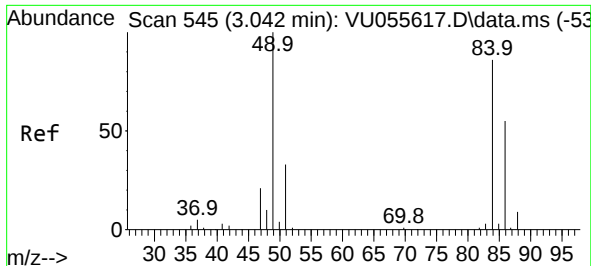
Tgt Ion: 62 Resp: 8035

Ion Ratio Lower Upper

62 100

64 36.6 22.3 41.5

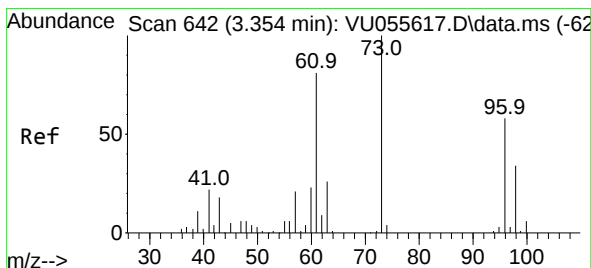
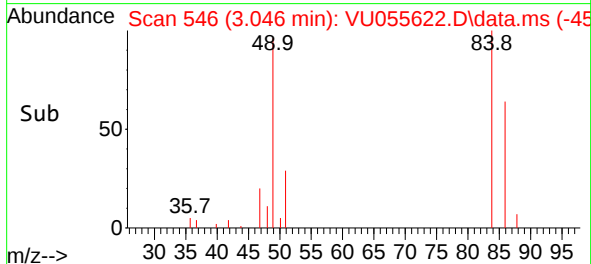
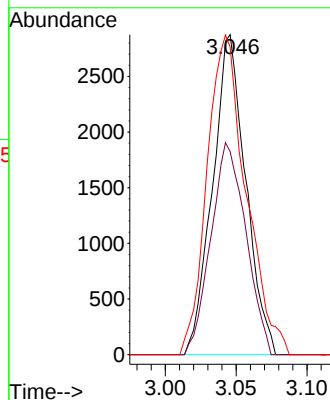
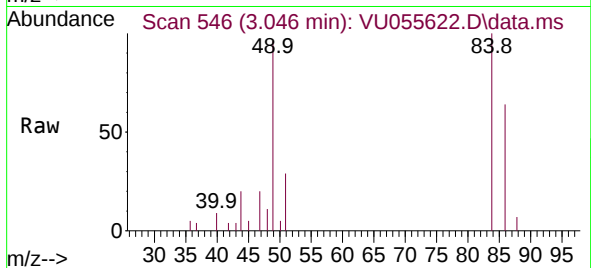




#16
Methylene chloride
Concen: 0.351 ug/L
RT: 3.046 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

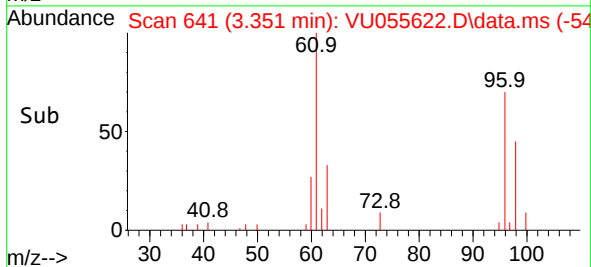
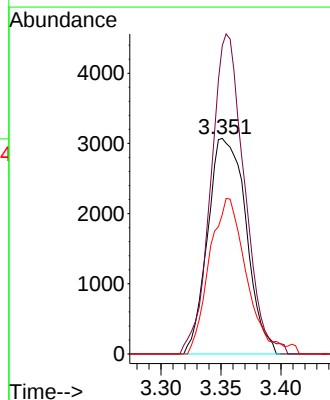
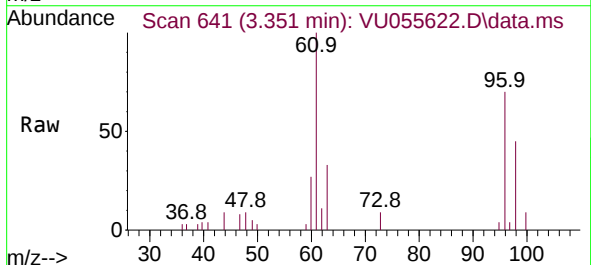
Instrument :
MSVOA_U
ClientSampleId :

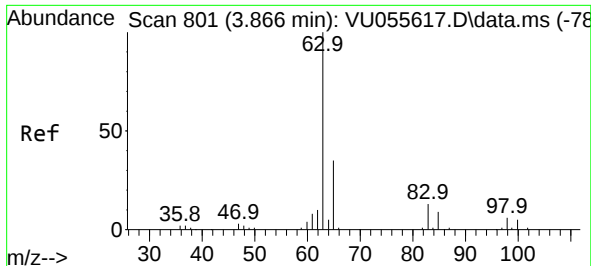
Tgt Ion: 84 Resp: 4687
Ion Ratio Lower Upper
84 100
86 63.5 44.9 83.3
49 96.1 78.8 146.3



#18
trans-1,2-Dichloroethene
Concen: 0.607 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

Tgt Ion: 96 Resp: 6818
Ion Ratio Lower Upper
96 100
61 143.0 94.6 175.6
98 64.7 45.7 84.9





#19

1,1-Dichloroethane

Concen: 1.597 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU055622.D

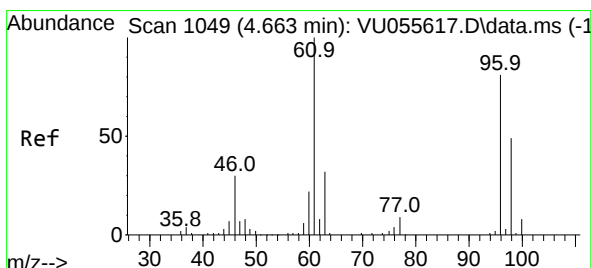
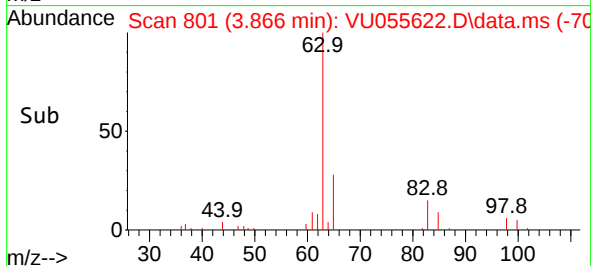
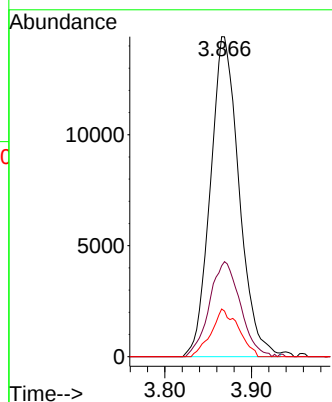
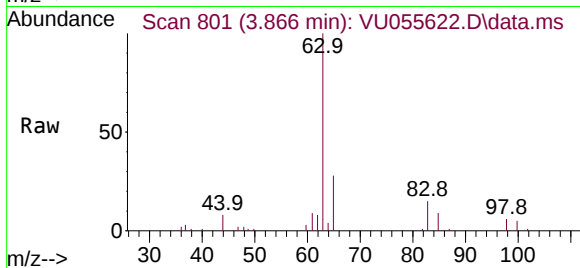
Acq: 02 Oct 2023 22:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	33192
Ion	Ratio	Lower	Upper
63	100		
65	28.4	22.0	41.0
83	14.9	10.1	18.9



#22

cis-1,2-Dichloroethene

Concen: 36.744 ug/L

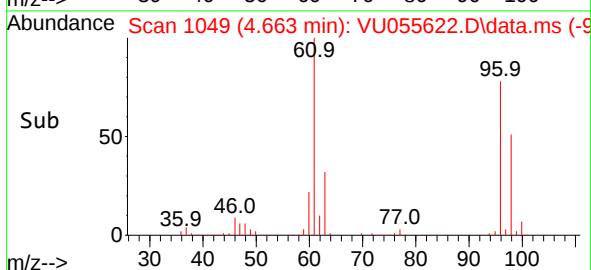
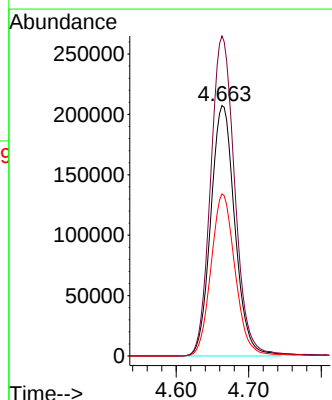
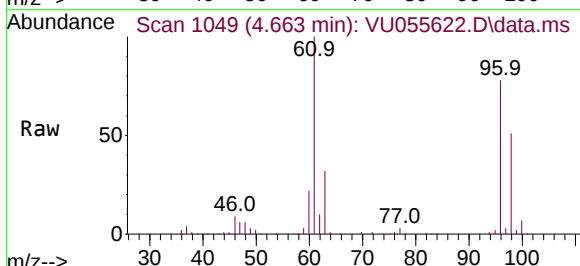
RT: 4.663 min Scan# 1049

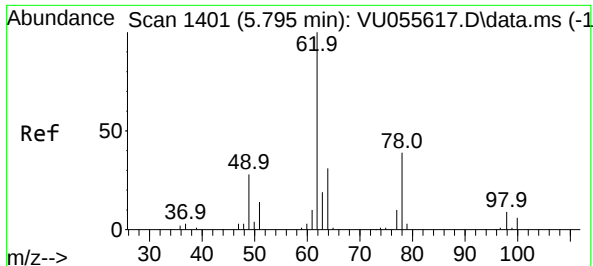
Delta R.T. 0.000 min

Lab File: VU055622.D

Acq: 02 Oct 2023 22:59

Tgt Ion:	96	Resp:	478881
Ion	Ratio	Lower	Upper
96	100		
61	127.8	87.8	163.2
98	64.7	44.4	82.4

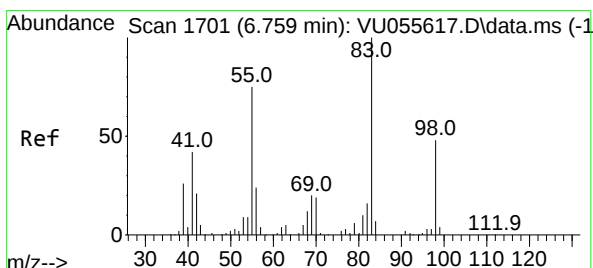
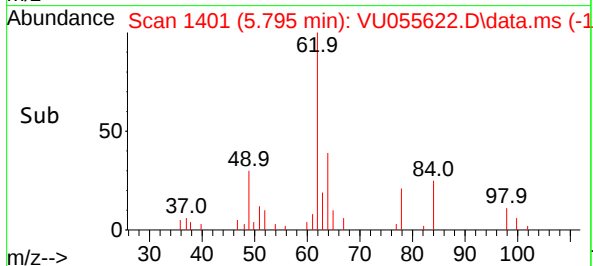
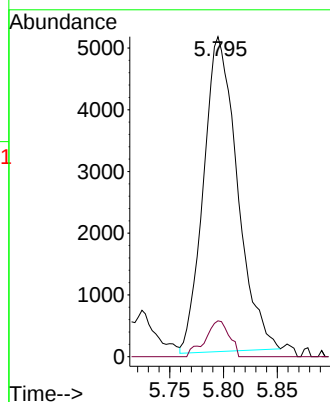
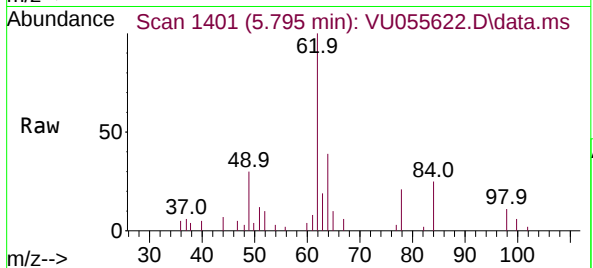




#27
1,2-Dichloroethane
Concen: 0.826 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

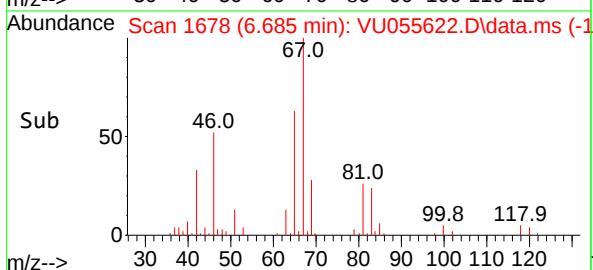
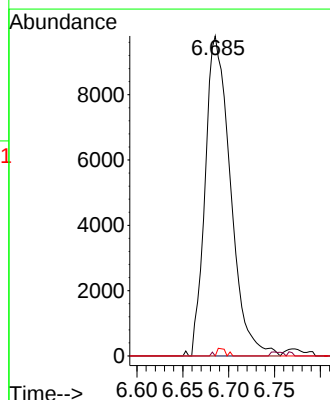
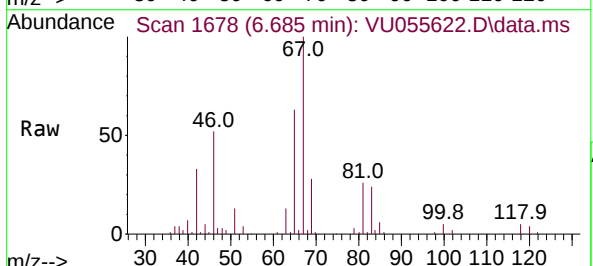
Instrument :
MSVOA_U
ClientSampleId :

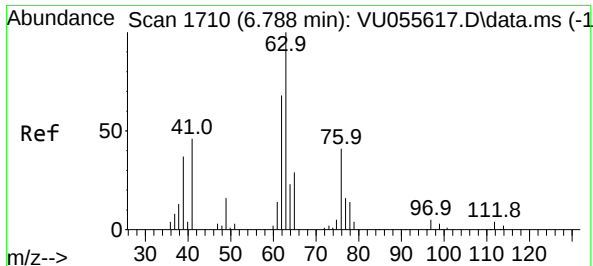
Tgt Ion: 62 Resp: 11156
Ion Ratio Lower Upper
62 100
98 11.2 7.0 10.4#



#35
Methylcyclohexane
Concen: 0.980 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

Tgt Ion: 83 Resp: 18801
Ion Ratio Lower Upper
83 100
55 0.1 59.1 88.7#
98 0.8 36.3 54.5#

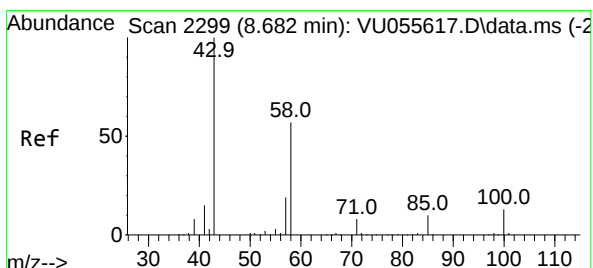
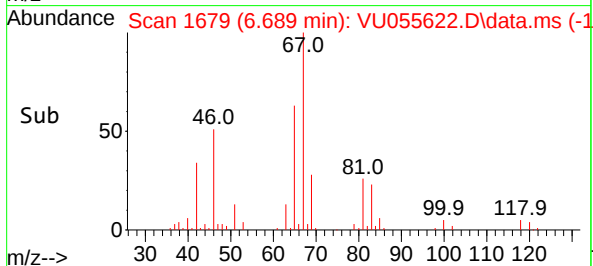
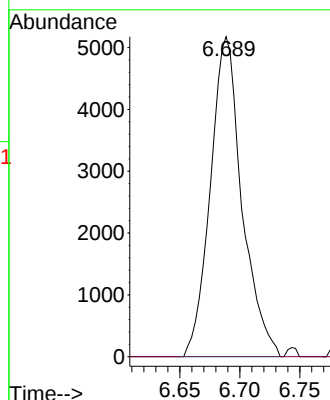
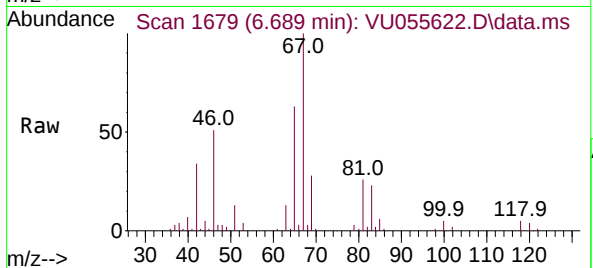




#37
1,2-Dichloropropane
Concen: 0.770 ug/L
RT: 6.689 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

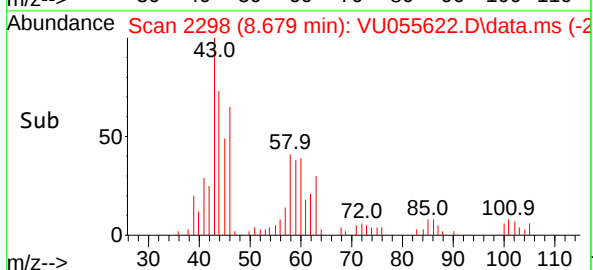
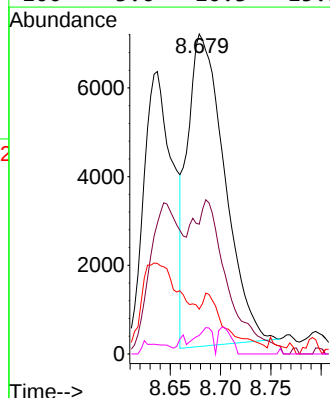
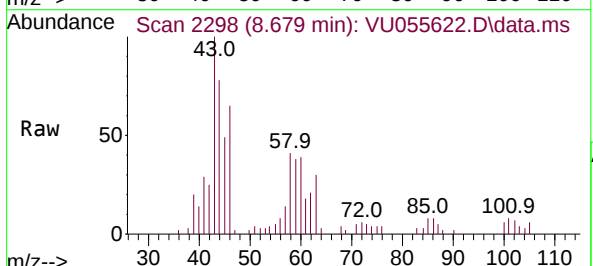
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MSVOA_U
ClientSampleId :

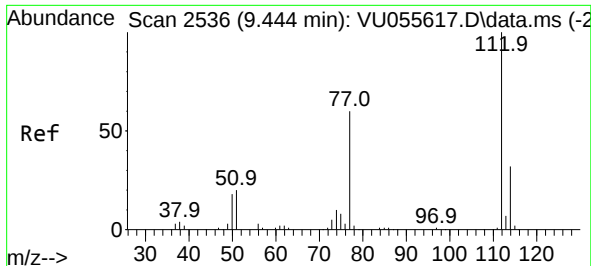
Tgt Ion: 63 Resp: 9480
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



#48
2-Hexanone
Concen: 4.156 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. -0.003 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

Tgt Ion: 43 Resp: 17997
Ion Ratio Lower Upper
43 100
58 47.4 48.5 72.7#
57 13.4 17.0 25.4#
100 3.6 10.3 15.5#

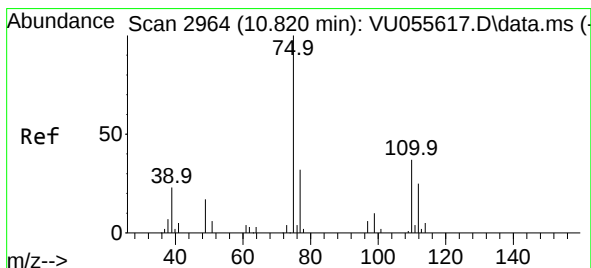
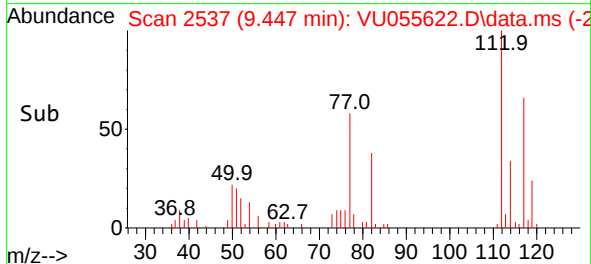
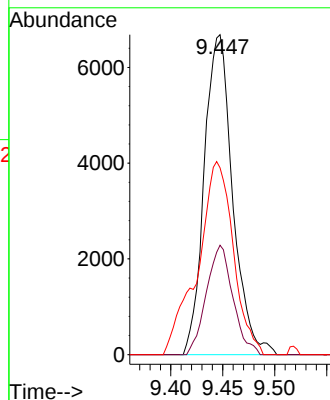
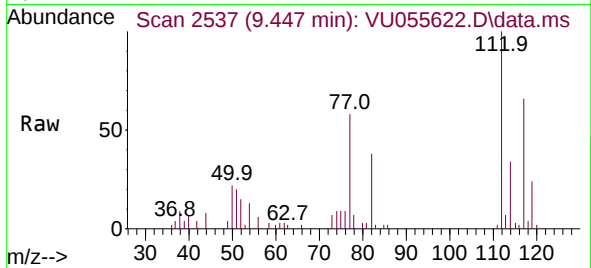




#51
Chlorobenzene
Concen: 0.395 ug/L
RT: 9.447 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

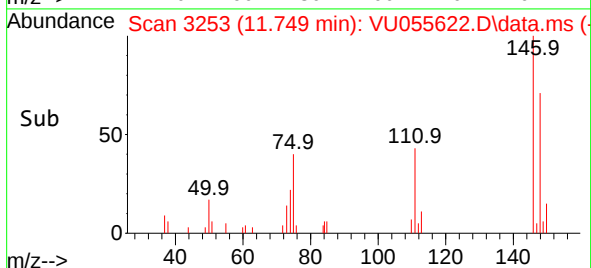
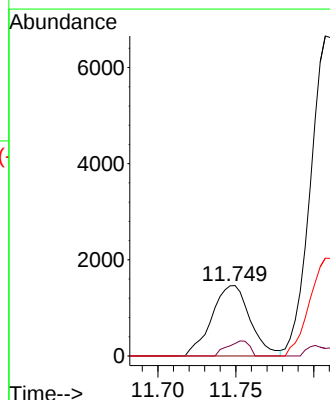
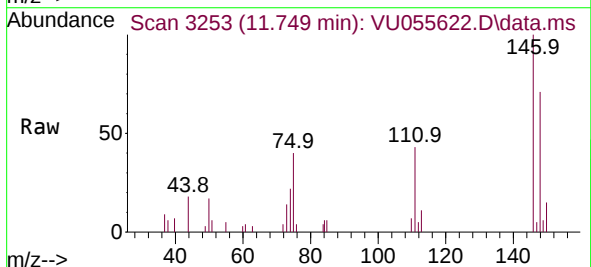
Instrument :
MSVOA_U
ClientSampleId :

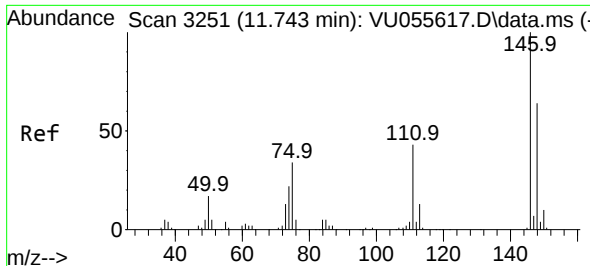
Tgt Ion:112 Resp: 12701
Ion Ratio Lower Upper
112 100
114 31.9 22.0 40.8
77 54.4 46.9 70.3



#61
1,2,3-Trichloropropane
Concen: 0.399 ug/L
RT: 11.749 min Scan# 3253
Delta R.T. 0.929 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

Tgt Ion: 75 Resp: 2510
Ion Ratio Lower Upper
75 100
110 12.3 30.6 45.8#
77 0.0 26.7 40.1#

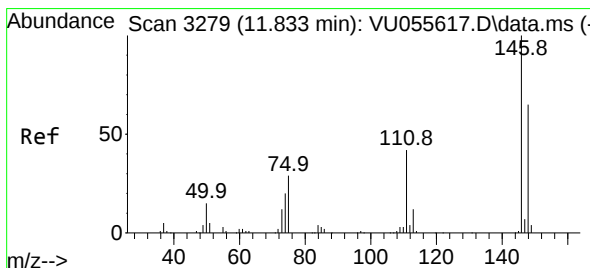
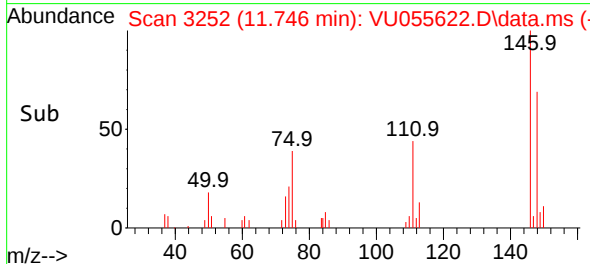
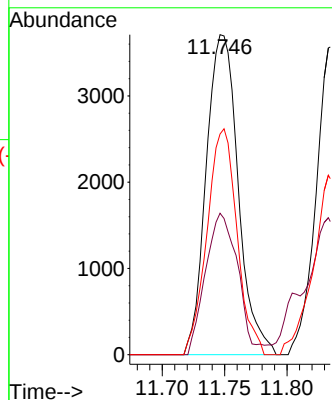
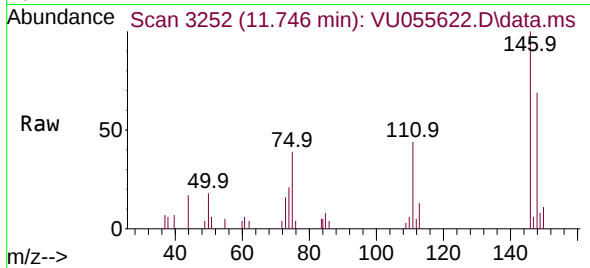




#64
1,3-Dichlorobenzene
Concen: 0.298 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

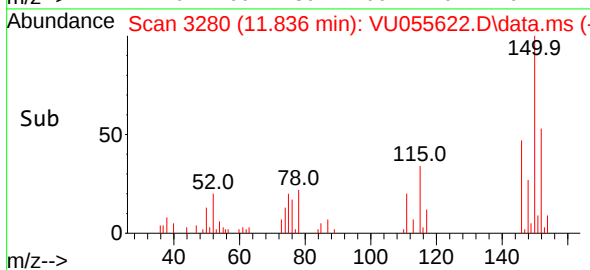
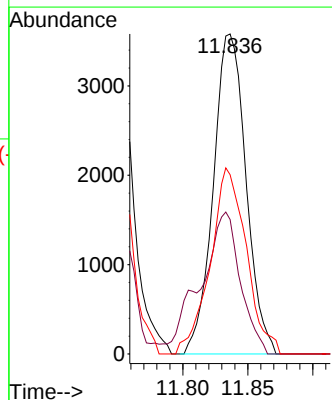
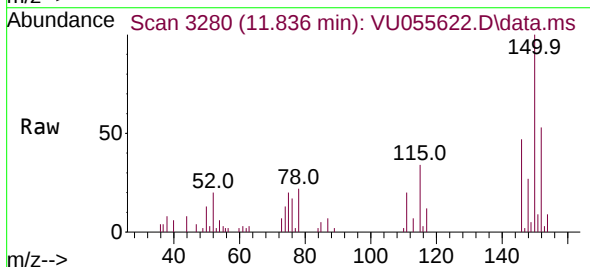
Instrument :
MSVOA_U
ClientSampleId :

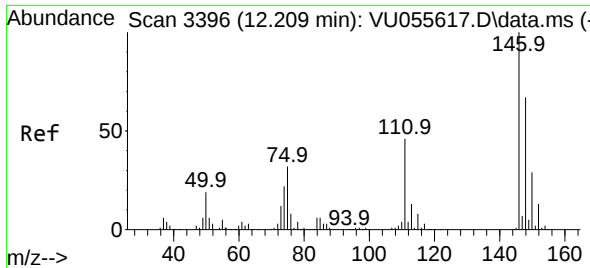
Tgt Ion:146 Resp: 6622
Ion Ratio Lower Upper
146 100
111 44.2 28.8 53.6
148 68.9 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 0.282 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

Tgt Ion:146 Resp: 6267
Ion Ratio Lower Upper
146 100
111 42.0 29.0 53.8
148 56.0 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 0.197 ug/L

RT: 12.216 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU055622.D

Acq: 02 Oct 2023 22:59

Instrument :

MSVOA_U

ClientSampleId :

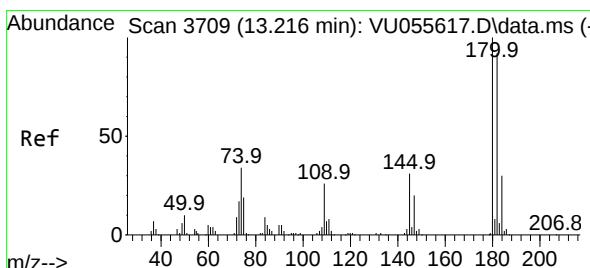
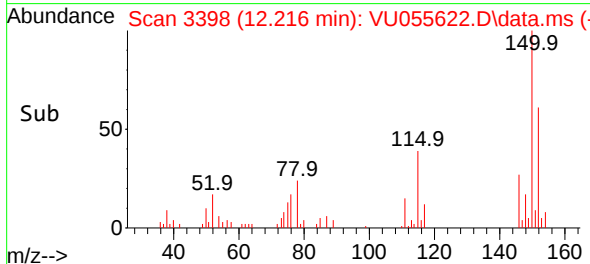
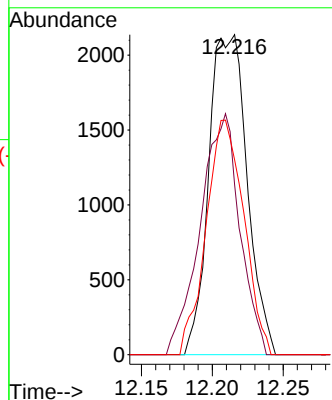
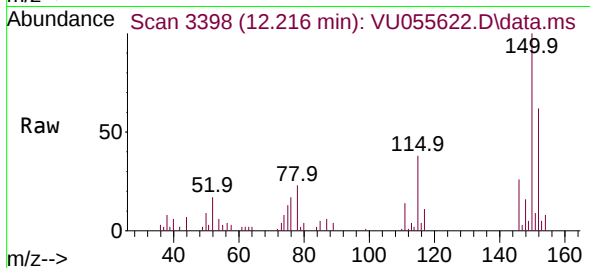
Tgt Ion:146 Resp: 4022

Ion Ratio Lower Upper

146 100

111 53.2 34.6 52.0#

148 60.9 51.8 77.8



#69

1,3,5-Trichlorobenzene

Concen: 0.874 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.627 min

Lab File: VU055622.D

Acq: 02 Oct 2023 22:59

Tgt Ion:180 Resp: 13372

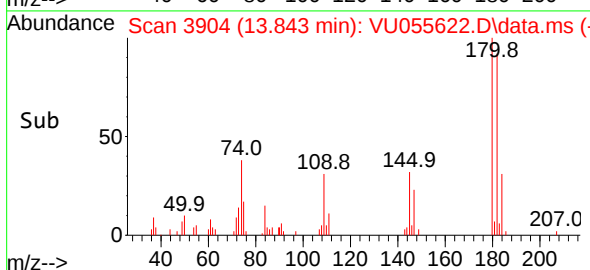
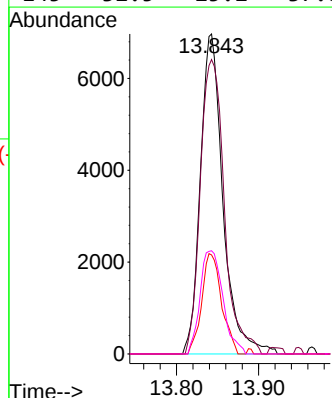
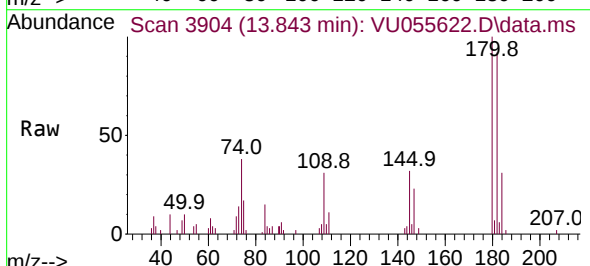
Ion Ratio Lower Upper

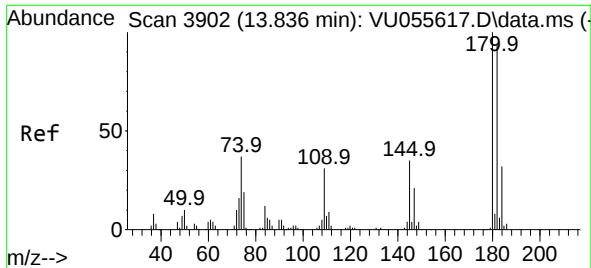
180 100

182 97.4 77.1 115.7

184 27.4 24.0 36.0

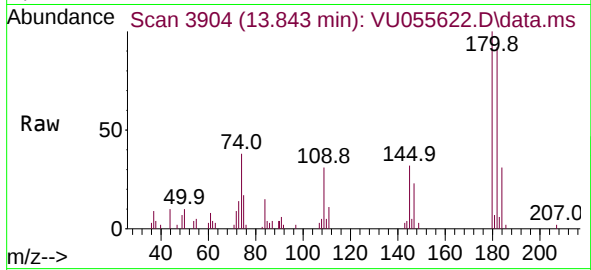
145 32.5 25.2 37.8





#70
1,2,4-trichlorobenzene
Concen: 1.146 ug/L
RT: 13.843 min Scan# 3904
Delta R.T. 0.006 min
Lab File: VU055622.D
Acq: 02 Oct 2023 22:59

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	180	Resp:	13372
Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.4	114.6
145	32.5	25.4	38.0

