

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090623\
 Data File : VU055169.D
 Acq On : 07 Sep 2023 03:23
 Operator : MD/SY
 Sample : 04306-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 07 04:49:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	164313	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	169976	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	93031	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	31727	4.120	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.400%
7) Chloroethane-d5	1.907	69	40267	4.517	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.560	65	20729	4.724	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.400%
20) 2-Butanone-d5	4.624	46	126913	56.790	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.580%
24) Chloroform-d	5.058	84	100475	4.917	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.698	65	52754	5.160	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.200%
32) Benzene-d6	5.724	84	194775	4.642	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.689	67	64788	4.855	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.000%
41) Toluene-d8	7.897	98	169692	4.390	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
43) trans-1,3-Dichloroprop...	8.180	79	14237	3.874	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.400%
46) 2-Hexanone-d5	8.631	63	78576	52.666	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.340%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	48317	5.148	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	66219	4.877	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	4546	0.443	ug/L	99
12) 1,1-Dichloroethene	2.567	96	1869	0.246	ug/L #	1
18) trans-1,2-Dichloroethene	3.354	96	5014	0.651	ug/L	85
22) cis-1,2-Dichloroethene	4.663	96	222652	23.600	ug/L	98
33) Benzene	5.769	78	17774	0.491	ug/L	100
34) Trichloroethene	6.537	95	149651	14.885	ug/L	96
35) Methylcyclohexane	6.689	83	15031	1.066	ug/L #	27
37) 1,2-Dichloropropane	6.692	63	7602	0.772	ug/L #	88
47) Tetrachloroethene	8.550	164	28317	4.075	ug/L	97
48) 2-Hexanone	8.682	43	16097	3.658	ug/L #	91
49) Dibromochloromethane	8.553	129	28802	3.977	ug/L #	9
51) Chlorobenzene	9.444	112	2092559	81.925	ug/L	98
61) 1,2,3-Trichloropropane	11.743	75	24200	3.920	ug/L #	49
64) 1,3-Dichlorobenzene	11.746	146	70210	3.371	ug/L	98
65) 1,4-Dichlorobenzene	11.836	146	819363	39.476	ug/L	99
67) 1,2-Dichlorobenzene	12.212	146	105907	5.424	ug/L	99
69) 1,3,5-Trichlorobenzene	13.839	180	244830	15.557	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	244830	16.590	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	73676	5.752	ug/L	96

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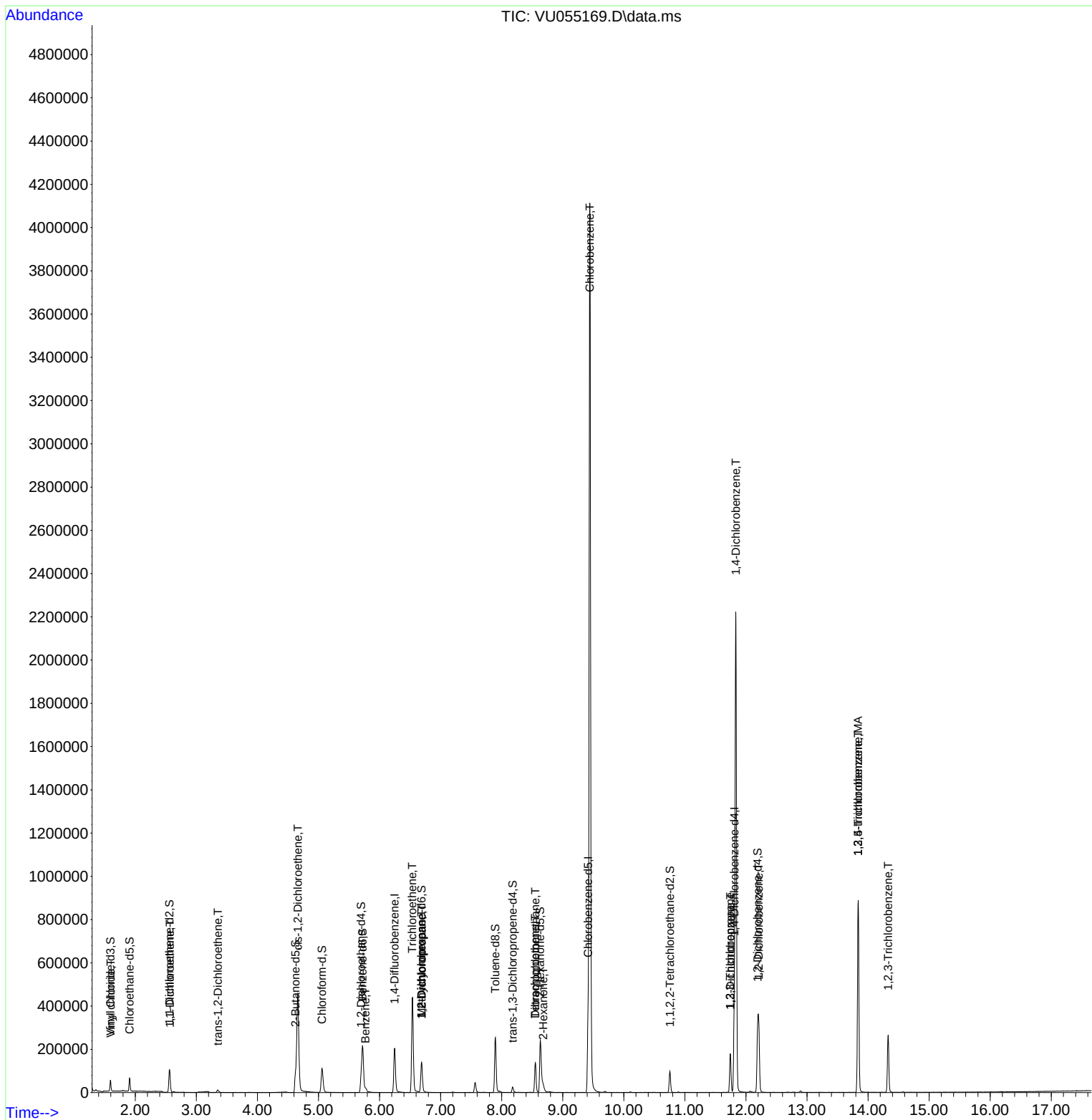
Instrument :
MSVOA_U
ClientSampleId :

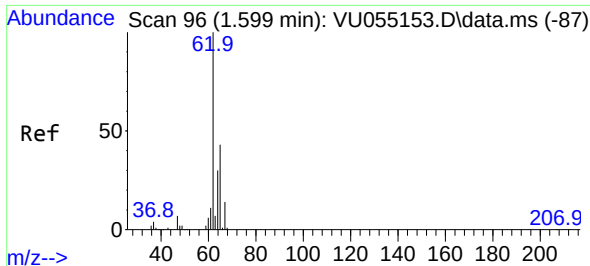
Quant Time: Sep 07 04:49:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 06 05:03:37 2023
Response via : Initial Calibration

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

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

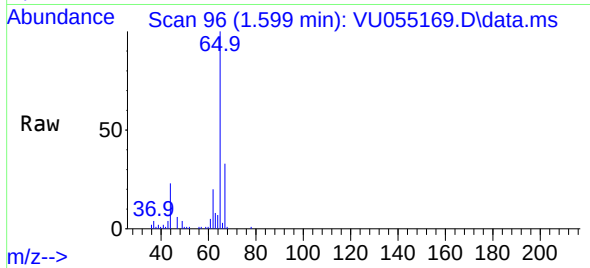
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
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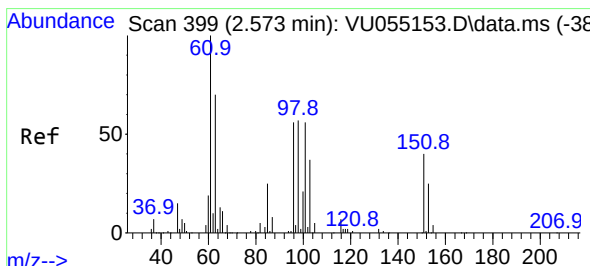
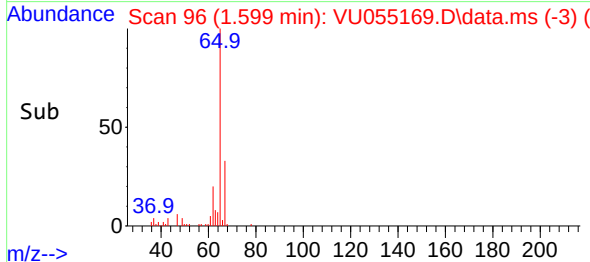
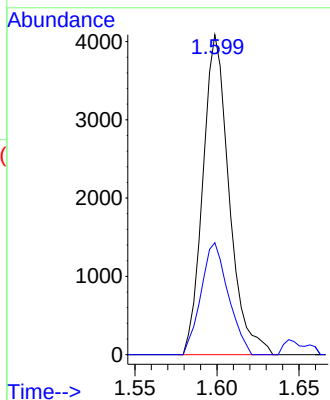


#5
 Vinyl chloride
 Concen: 0.443 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU055169.D
 Acq: 07 Sep 2023 03:23

Instrument :
 MSVOA_U
 ClientSampleId :

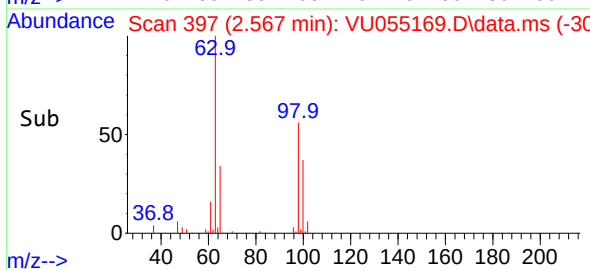
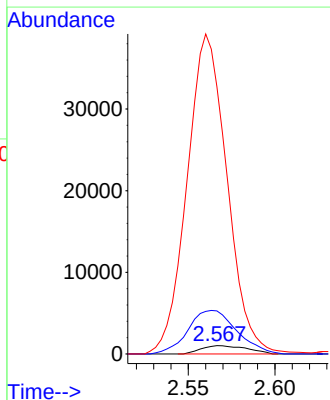
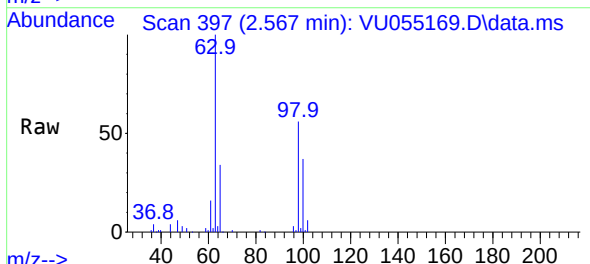


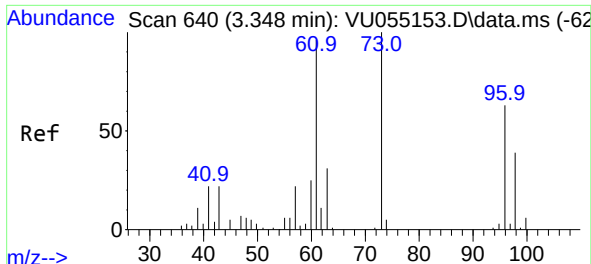
Tgt Ion: 62 Resp: 4546
 Ion Ratio Lower Upper
 62 100
 64 35.0 24.2 45.0



#12
 1,1-Dichloroethene
 Concen: 0.246 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.006 min
 Lab File: VU055169.D
 Acq: 07 Sep 2023 03:23

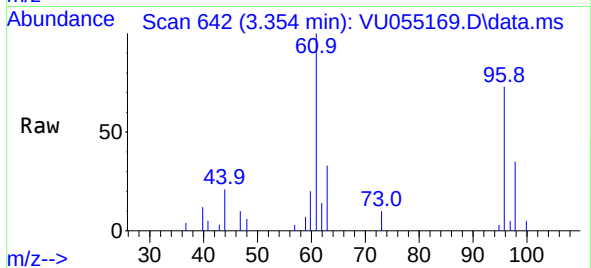
Tgt Ion: 96 Resp: 1869
 Ion Ratio Lower Upper
 96 100
 61 521.0 120.8 224.4#
 63 3234.8 94.5 175.5#





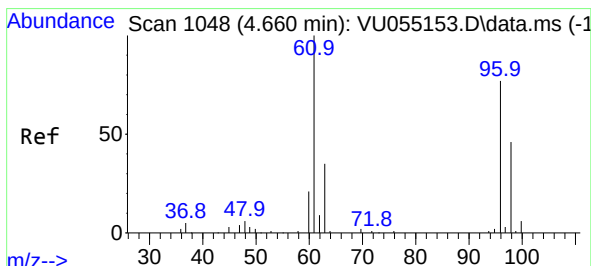
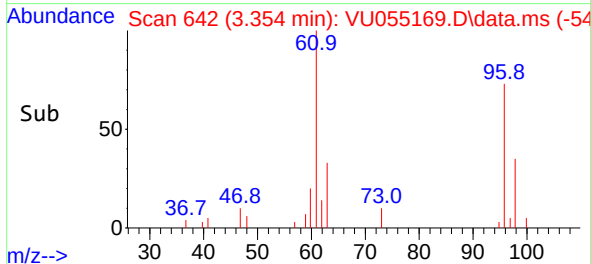
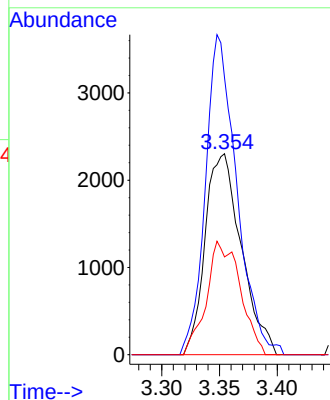
#18
trans-1,2-Dichloroethene
Concen: 0.651 ug/L
RT: 3.354 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU055169.D
Acq: 07 Sep 2023 03:23

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 5014

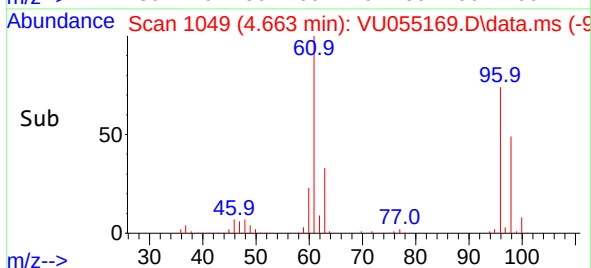
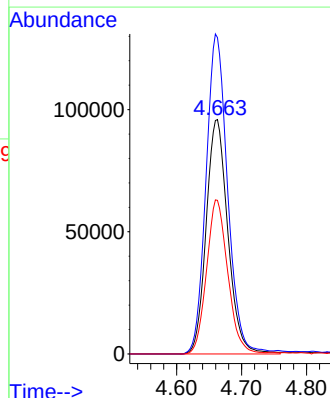
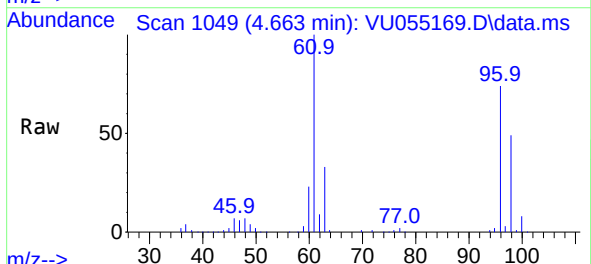
Ion	Ratio	Lower	Upper
96	100		
61	137.8	108.1	200.9
98	48.6	45.4	84.4

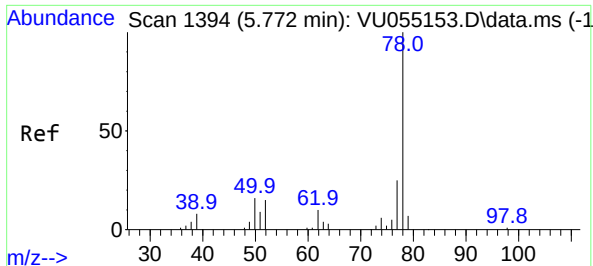


#22
cis-1,2-Dichloroethene
Concen: 23.600 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU055169.D
Acq: 07 Sep 2023 03:23

Tgt Ion: 96 Resp: 222652

Ion	Ratio	Lower	Upper
96	100		
61	135.0	97.2	180.4
98	65.5	46.1	85.7

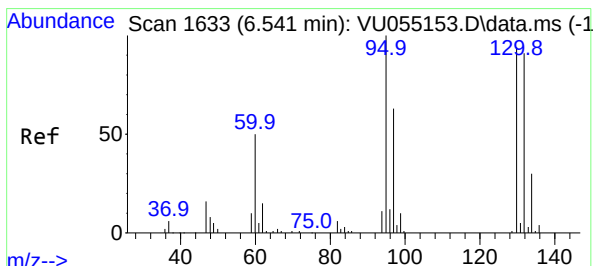
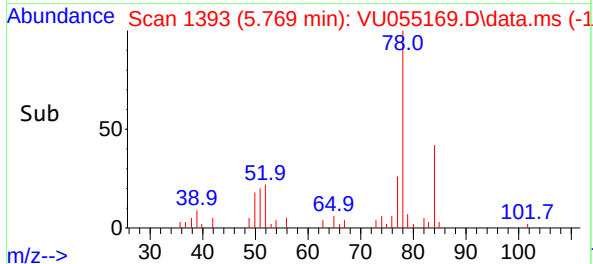
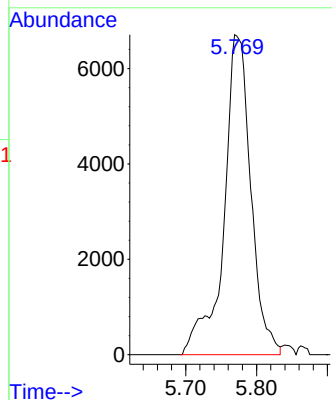
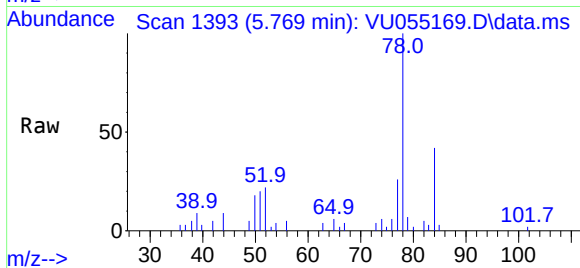




#33
Benzene
Concen: 0.491 ug/L
RT: 5.769 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU055169.D
Acq: 07 Sep 2023 03:23

Instrument :
MSVOA_U
ClientSampleId :

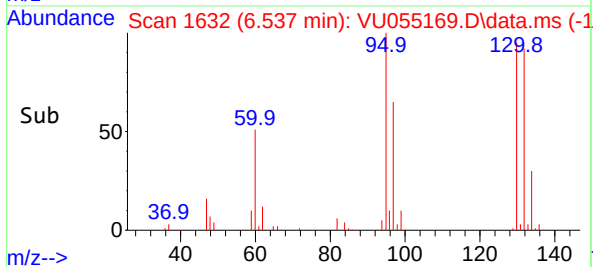
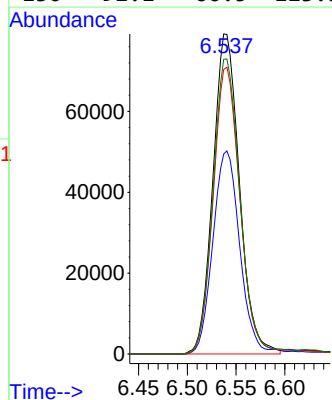
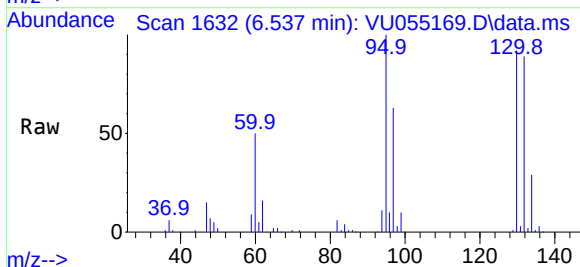
Tgt Ion: 78 Resp: 17774

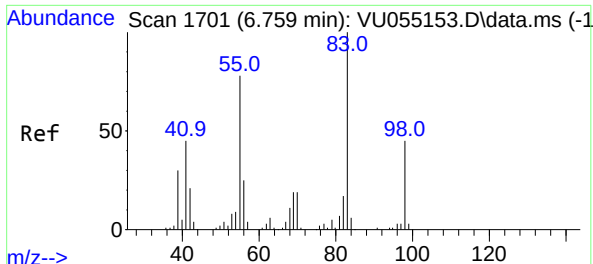


#34
Trichloroethene
Concen: 14.885 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055169.D
Acq: 07 Sep 2023 03:23

Tgt Ion: 95 Resp: 149651

Ion	Ratio	Lower	Upper
95	100		
97	62.5	44.7	83.1
132	88.9	66.6	123.6
130	92.1	66.5	123.5

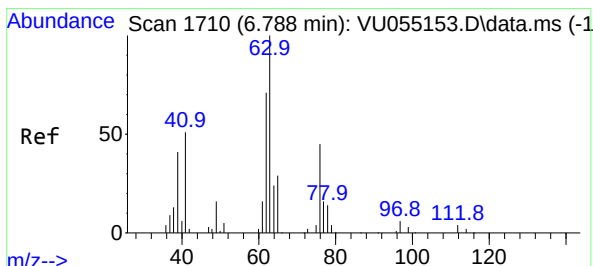
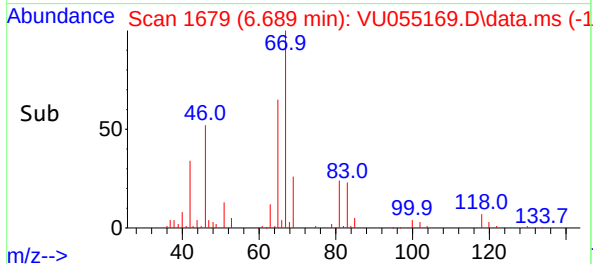
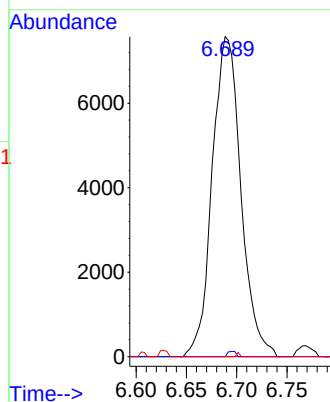
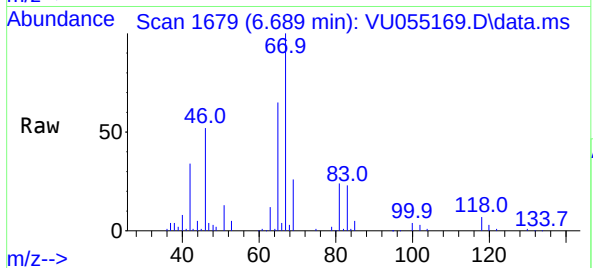




#35
Methylcyclohexane
Concen: 1.066 ug/L
RT: 6.689 min Scan# 1680
Delta R.T. -0.071 min
Lab File: VU055169.D
Acq: 07 Sep 2023 03:23

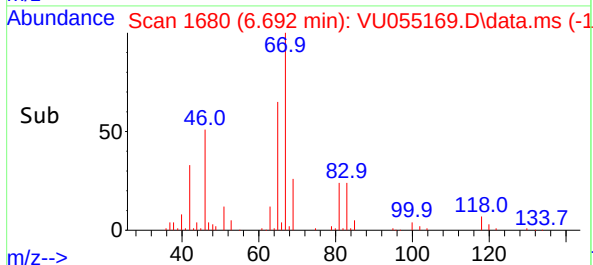
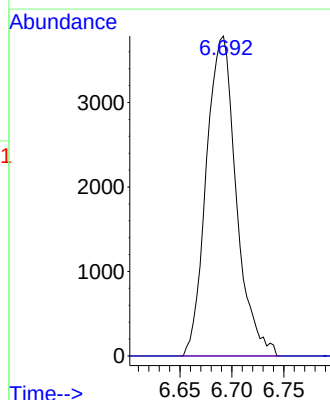
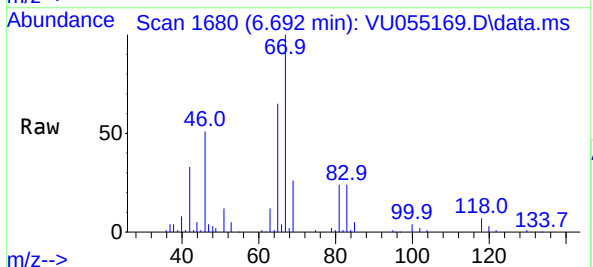
Instrument :
MSVOA_U
ClientSampleId :

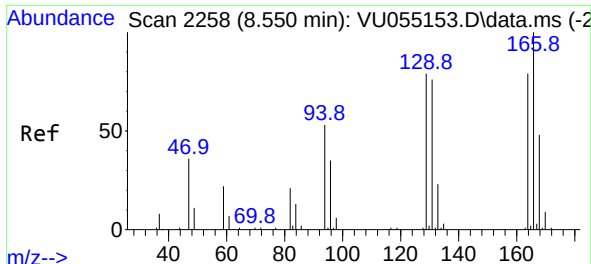
Tgt Ion: 83 Resp: 15031
Ion Ratio Lower Upper
83 100
55 0.5 60.4 90.6#
98 13.5 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.772 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.096 min
Lab File: VU055169.D
Acq: 07 Sep 2023 03:23

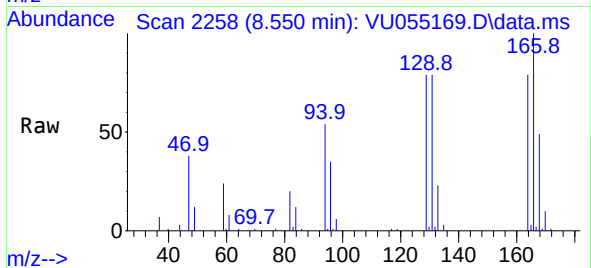
Tgt Ion: 63 Resp: 7602
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





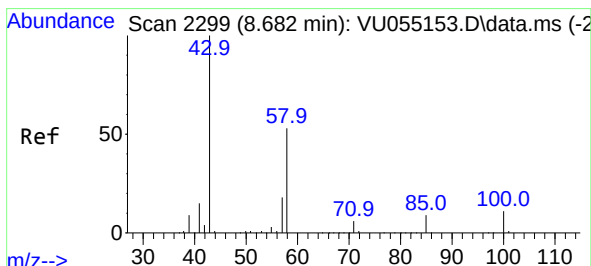
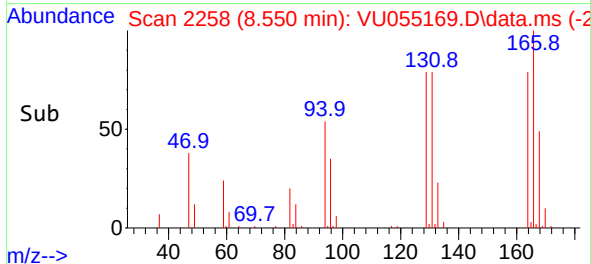
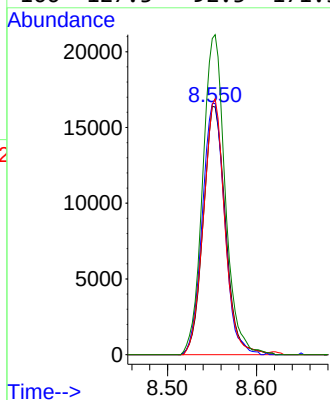
#47
Tetrachloroethene
Concen: 4.075 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055169.D
Acq: 07 Sep 2023 03:23

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:164 Resp: 28317

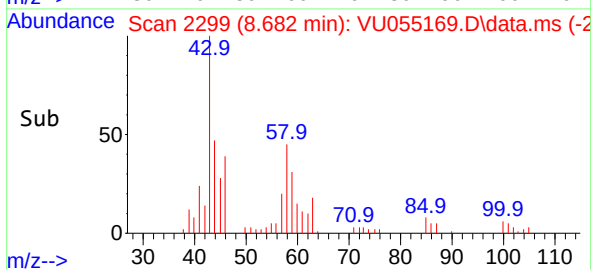
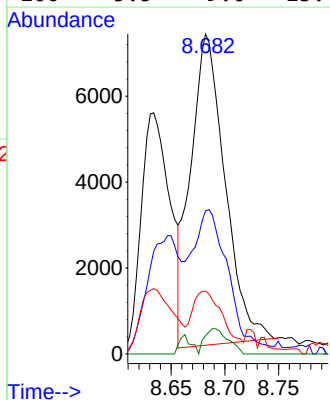
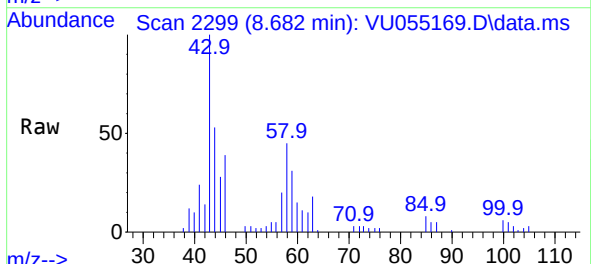
Ion	Ratio	Lower	Upper
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129	101.1	69.2	128.6
131	100.7	68.8	127.8
166	127.3	92.3	171.5

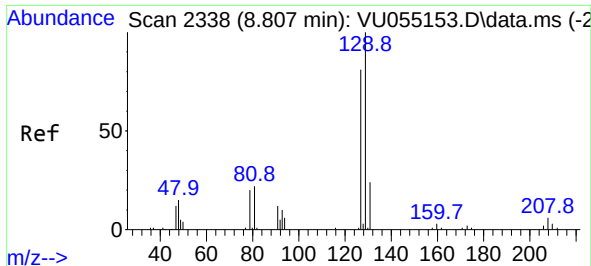


#48
2-Hexanone
Concen: 3.658 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU055169.D
Acq: 07 Sep 2023 03:23

Tgt Ion: 43 Resp: 16097

Ion	Ratio	Lower	Upper
43	100		
58	48.7	44.0	66.0
57	17.5	16.2	24.2
100	5.5	9.0	13.4





#49

Dibromochloromethane

Concen: 3.977 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU055169.D

Acq: 07 Sep 2023 03:23

Instrument :

MSVOA_U

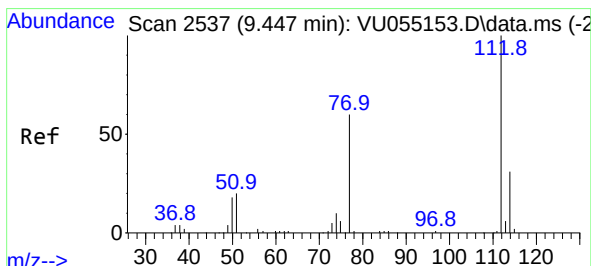
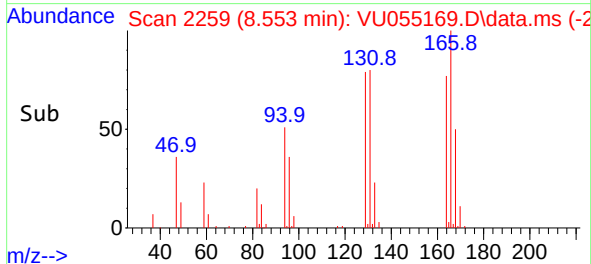
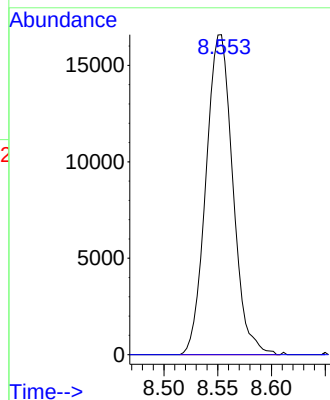
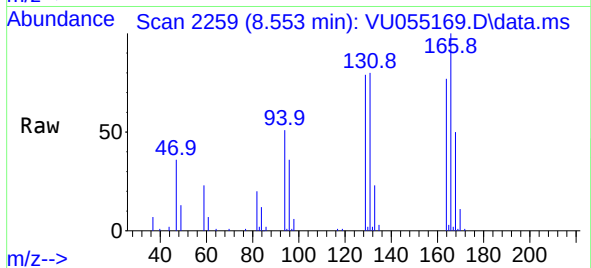
ClientSampleId :

Tgt Ion:129 Resp: 28802

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#51

Chlorobenzene

Concen: 81.925 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.003 min

Lab File: VU055169.D

Acq: 07 Sep 2023 03:23

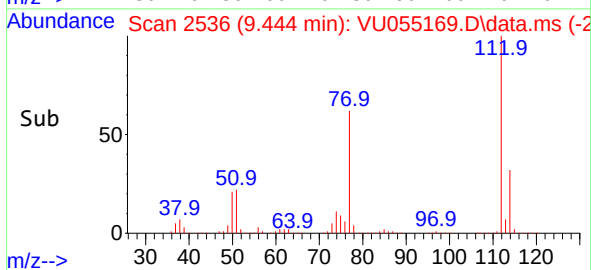
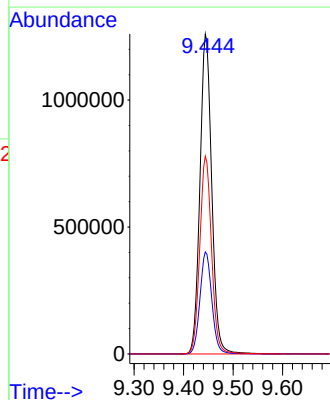
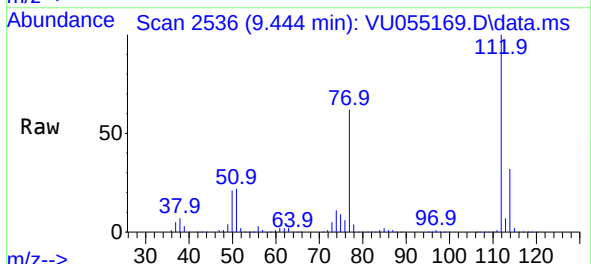
Tgt Ion:112 Resp: 2092559

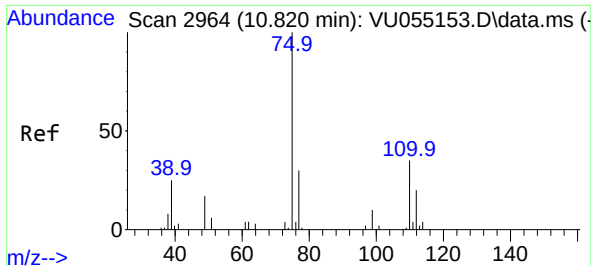
Ion Ratio Lower Upper

112 100

114 31.9 21.7 40.3

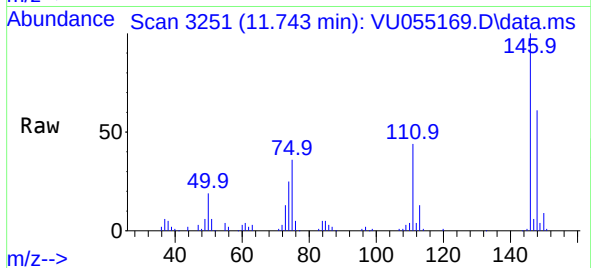
77 61.8 48.6 72.8



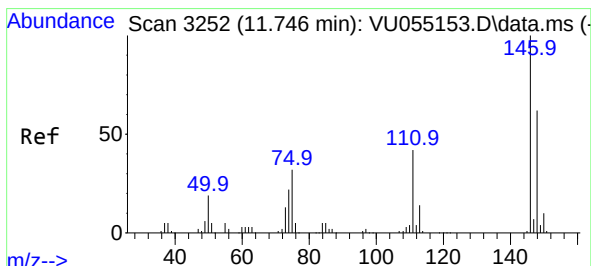
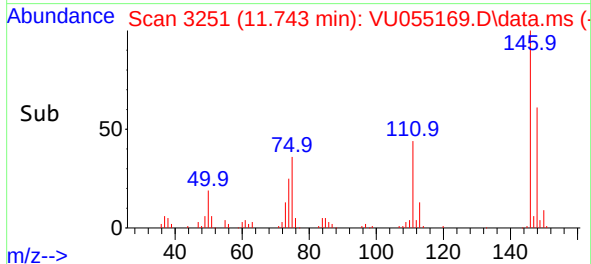
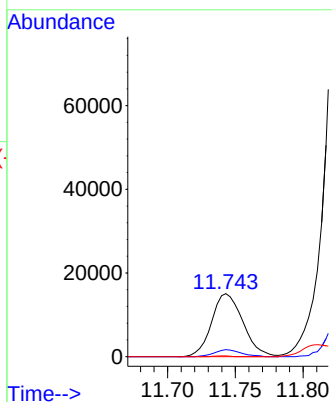


#61
1,2,3-Trichloropropane
Concen: 3.920 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.923 min
Lab File: VU055169.D
Acq: 07 Sep 2023 03:23

Instrument :
MSVOA_U
ClientSampleId :

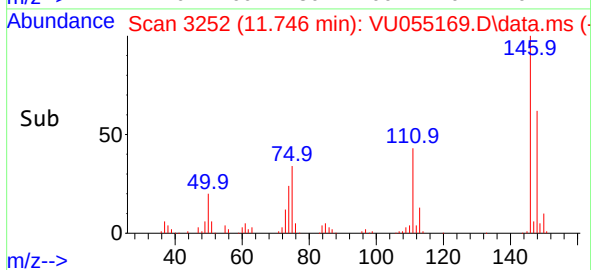
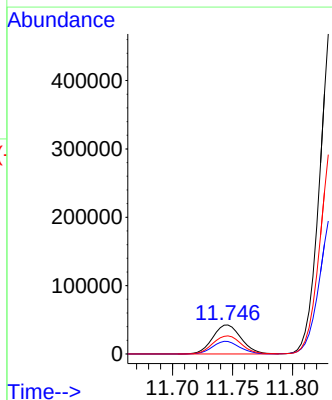
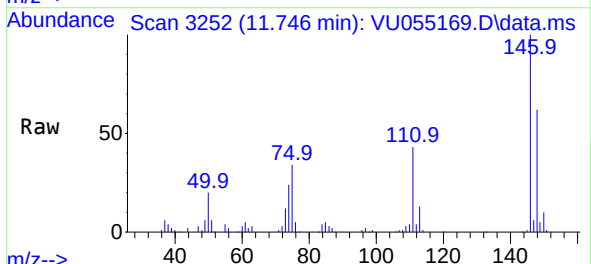


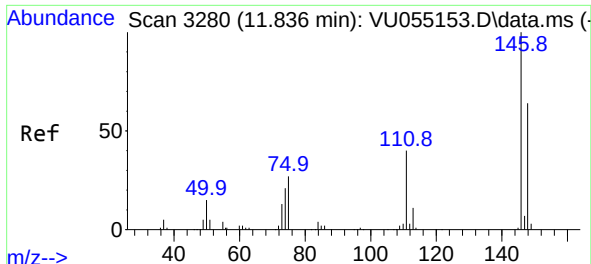
Tgt Ion: 75 Resp: 24200
Ion Ratio Lower Upper
75 100
110 9.6 28.2 42.2#
77 0.0 26.2 39.4#



#64
1,3-Dichlorobenzene
Concen: 3.371 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.000 min
Lab File: VU055169.D
Acq: 07 Sep 2023 03:23

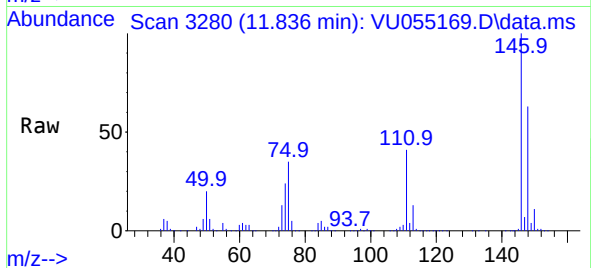
Tgt Ion:146 Resp: 70210
Ion Ratio Lower Upper
146 100
111 43.1 30.0 55.6
148 62.4 45.2 84.0



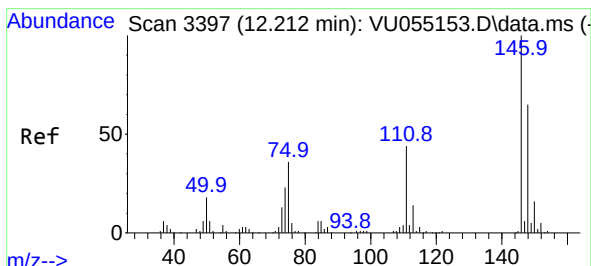
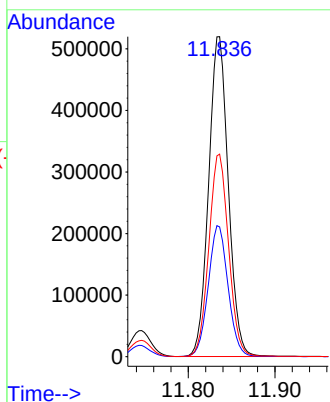
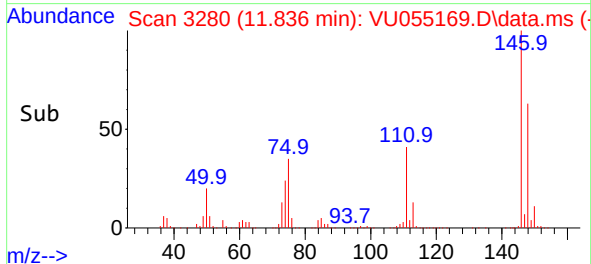


#65
1,4-Dichlorobenzene
Concen: 39.476 ug/L
RT: 11.836 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055169.D
Acq: 07 Sep 2023 03:23

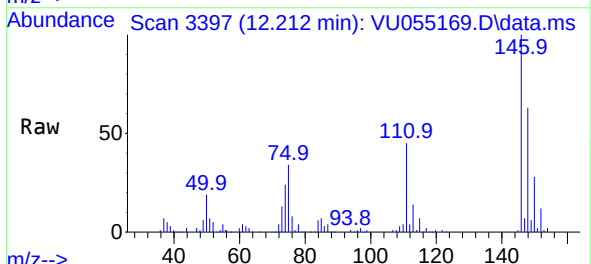
Instrument :
MSVOA_U
ClientSampleId :



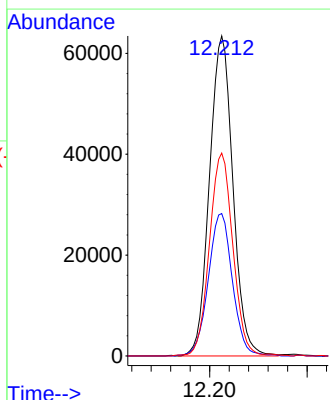
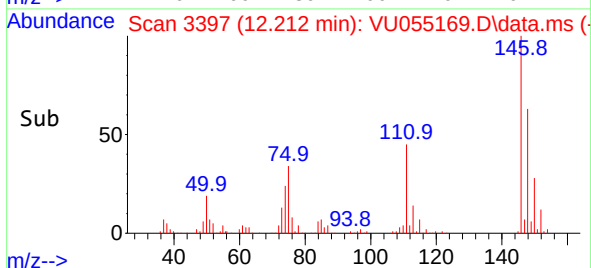
Tgt Ion:146 Resp: 819363
Ion Ratio Lower Upper
146 100
111 40.5 28.1 52.1
148 63.3 43.8 81.3

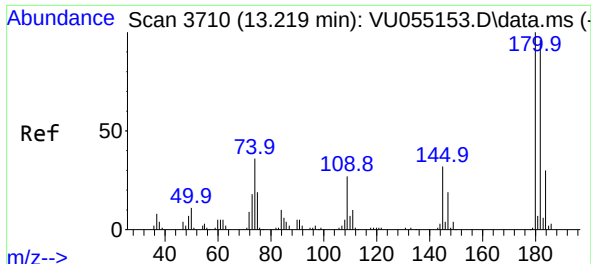


#67
1,2-Dichlorobenzene
Concen: 5.424 ug/L
RT: 12.212 min Scan# 3397
Delta R.T. 0.000 min
Lab File: VU055169.D
Acq: 07 Sep 2023 03:23



Tgt Ion:146 Resp: 105907
Ion Ratio Lower Upper
146 100
111 44.5 35.6 53.4
148 63.4 51.3 76.9





#69

1,3,5-Trichlorobenzene

Concen: 15.557 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.621 min

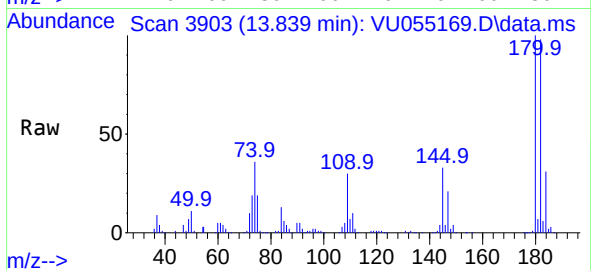
Lab File: VU055169.D

Acq: 07 Sep 2023 03:23

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 244830

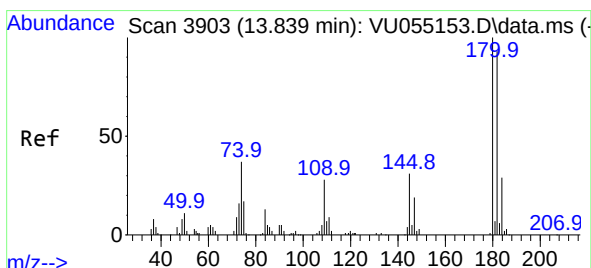
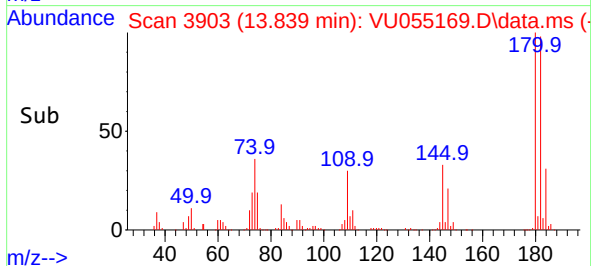
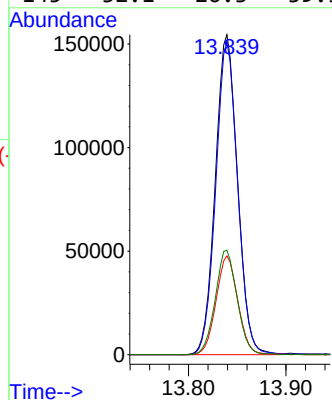
Ion Ratio Lower Upper

180 100

182 96.2 75.8 113.6

184 30.2 24.0 36.0

145 32.1 26.3 39.5



#70

1,2,4-trichlorobenzene

Concen: 16.590 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU055169.D

Acq: 07 Sep 2023 03:23

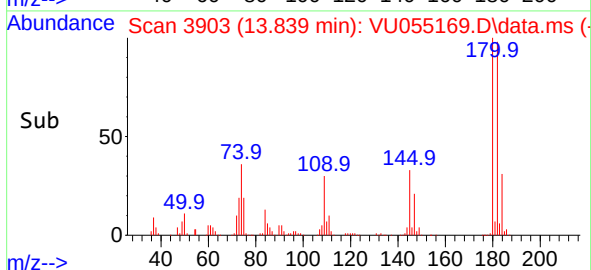
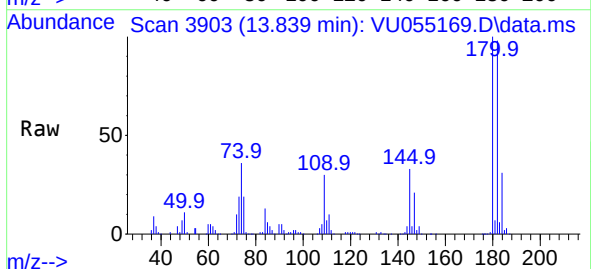
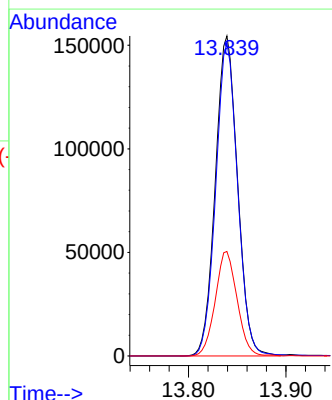
Tgt Ion:180 Resp: 244830

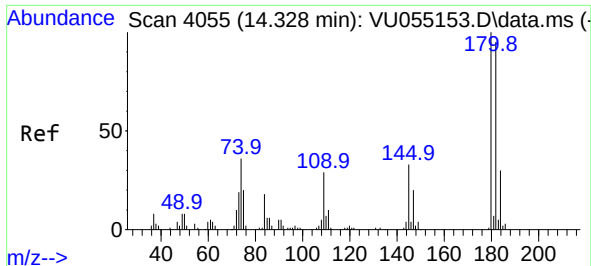
Ion Ratio Lower Upper

180 100

182 96.2 73.6 110.4

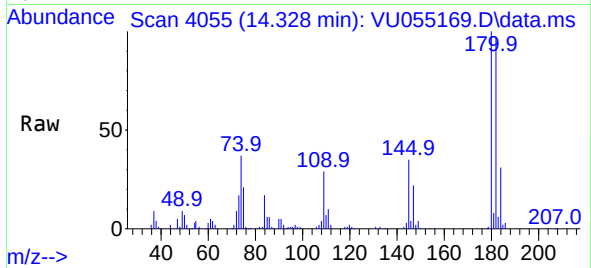
145 32.1 25.8 38.8





#72
 1,2,3-Trichlorobenzene
 Concen: 5.752 ug/L
 RT: 14.328 min Scan# 40
 Delta R.T. -0.003 min
 Lab File: VU055169.D
 Acq: 07 Sep 2023 03:23

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 73676
 Ion Ratio Lower Upper
 180 100
 182 99.9 75.6 113.4
 145 34.4 27.0 40.6

