

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092623\
 Data File : VU055537.D
 Acq On : 27 Sep 2023 00:19
 Operator : MD/SY
 Sample : 04530-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 27 06:36:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 06:19:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	257918	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	261957	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	136601	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	109235	4.190	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.800%
7) Chloroethane-d5	1.907	69	63338	2.757	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	55.200%#
11) 1,1-Dichloroethene-d2	2.563	65	43060	4.013	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.200%
20) 2-Butanone-d5	4.628	46	184709	39.230	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.460%
24) Chloroform-d	5.058	84	187606	3.979	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
26) 1,2-Dichloroethane-d4	5.698	65	85504	3.770	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.400%
32) Benzene-d6	5.724	84	389654	4.253	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	6.685	67	119597	4.369	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.400%
41) Toluene-d8	7.894	98	345266	4.134	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.600%
43) trans-1,3-Dichloroprop...	8.177	79	39358	4.097	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.000%
46) 2-Hexanone-d5	8.631	63	115385	39.485	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.960%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	86698	4.226	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	121477	4.406	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	1801769	75.603	ug/L	99
12) 1,1-Dichloroethene	2.576	96	23974	1.329	ug/L #	27
14) Carbon disulfide	2.788	76	15058	0.278	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	133355	7.337	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	11274932	535.047	ug/L	98
33) Benzene	5.775	78	11038	0.146	ug/L	100
34) Trichloroethene	6.537	95	697712	32.715	ug/L	99
37) 1,2-Dichloropropane	6.685	63	12049	0.611	ug/L #	88
39) cis-1,3-Dichloropropene	7.563	75	3072	0.117	ug/L #	73
47) Tetrachloroethene	8.550	164	497450	32.516	ug/L	99
48) 2-Hexanone	8.685	43	19839	2.862	ug/L #	88
49) Dibromochloromethane	8.550	129	485188	33.478	ug/L #	9
61) 1,2,3-Trichloropropane	11.743	75	6216	0.583	ug/L #	53
64) 1,3-Dichlorobenzene	11.746	146	21434	0.569	ug/L	96
65) 1,4-Dichlorobenzene	11.836	146	15660	0.416	ug/L	96
69) 1,3,5-Trichlorobenzene	13.839	180	55920	2.154	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	55920	2.826	ug/L	99

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QLast Update : Wed Sep 27 06:19:47 2023
Response via : Initial Calibration

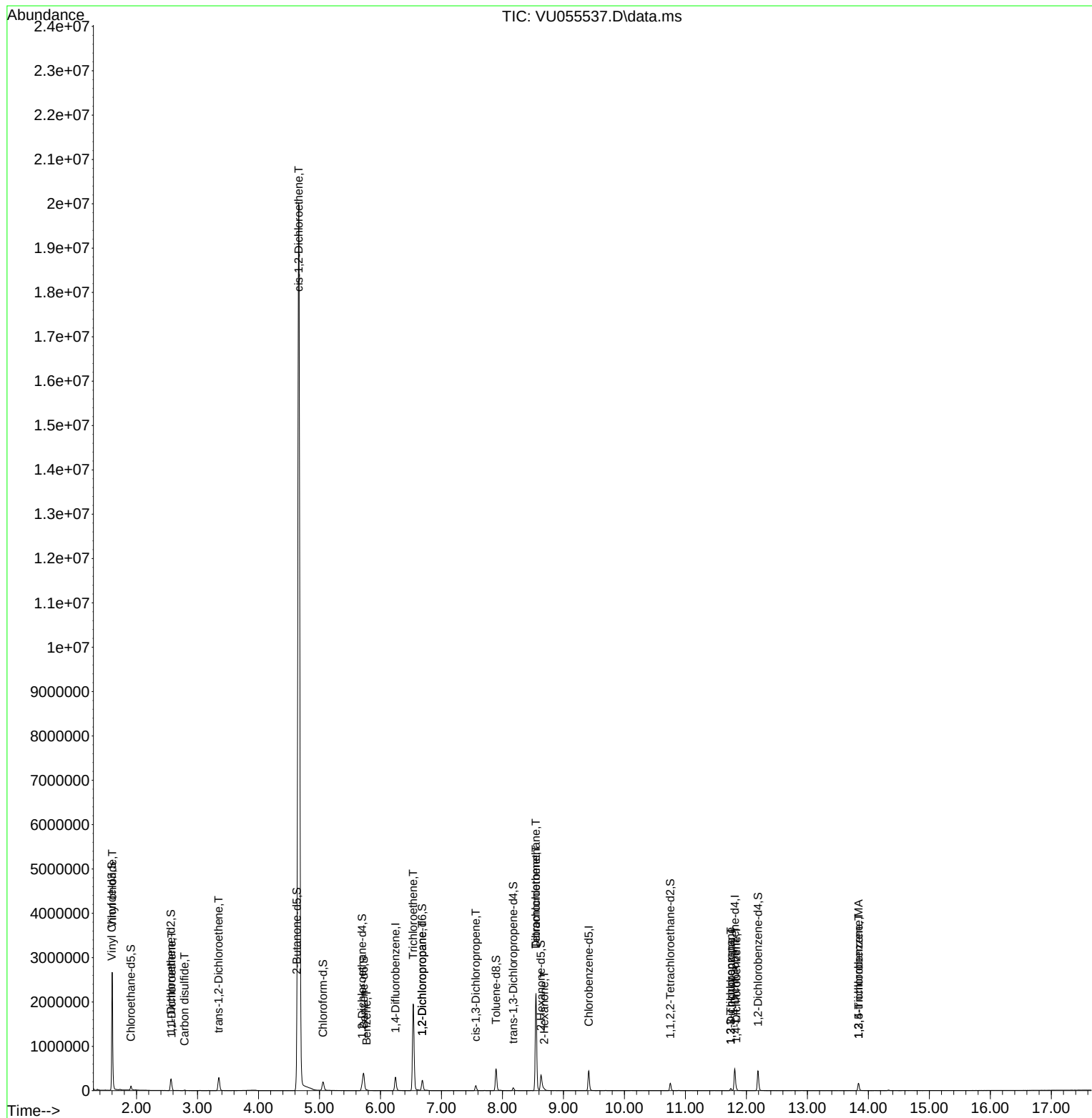
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

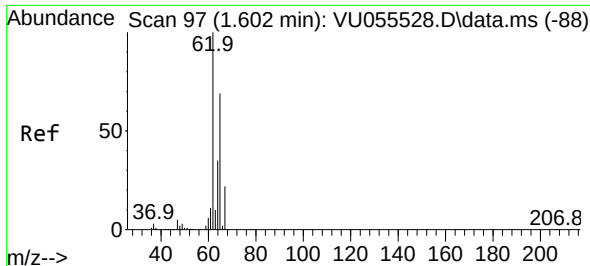
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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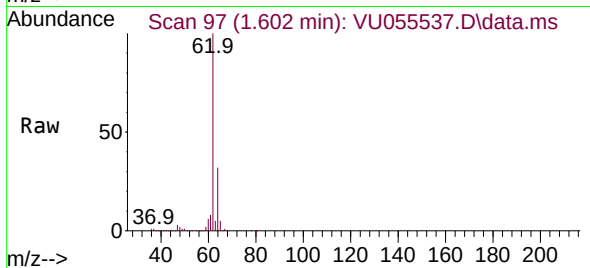
Quant Time: Sep 27 06:36:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
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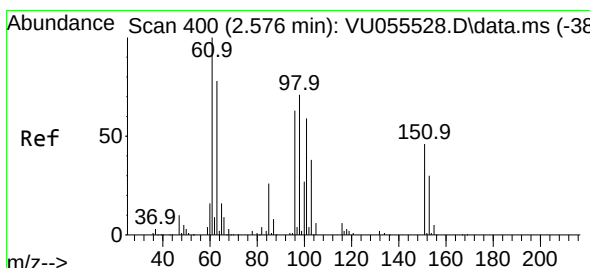
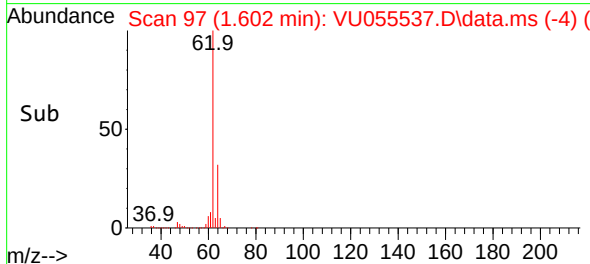
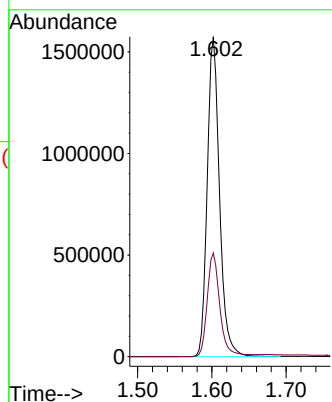


#5
 Vinyl chloride
 Concen: 75.603 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055537.D
 Acq: 27 Sep 2023 00:19

Instrument :
 MSVOA_U
 ClientSampleId :

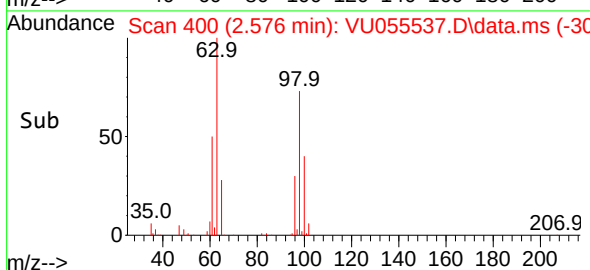
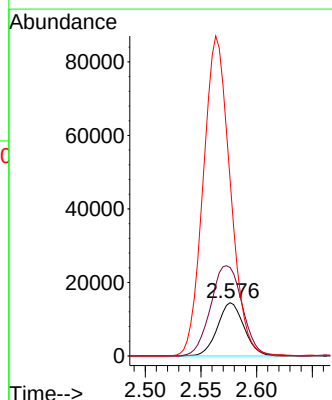
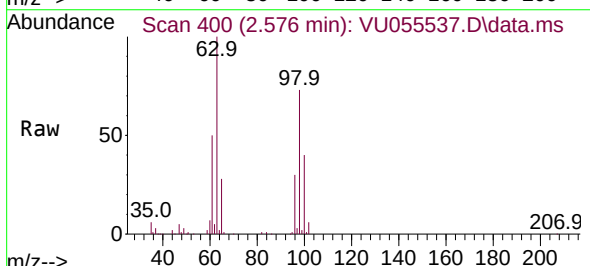


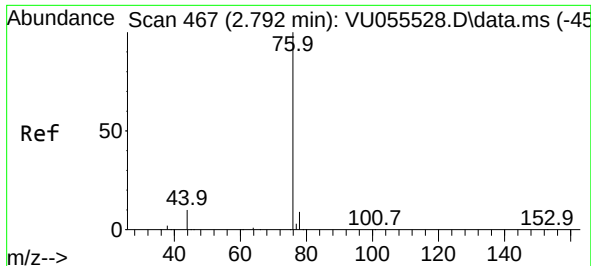
Tgt Ion: 62 Resp: 1801769
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.3 41.5



#12
 1,1-Dichloroethene
 Concen: 1.329 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055537.D
 Acq: 27 Sep 2023 00:19

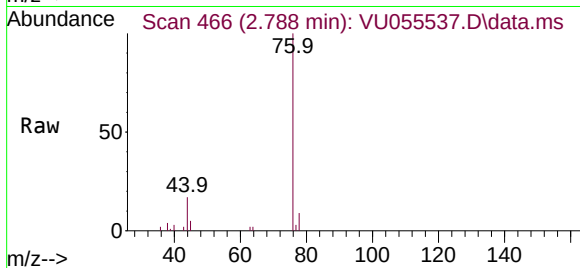
Tgt Ion: 96 Resp: 23974
 Ion Ratio Lower Upper
 96 100
 61 166.0 114.5 212.7
 63 330.5 98.3 182.5



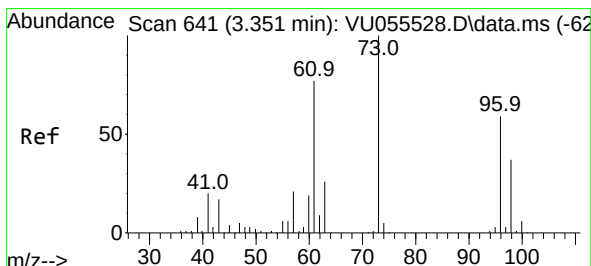
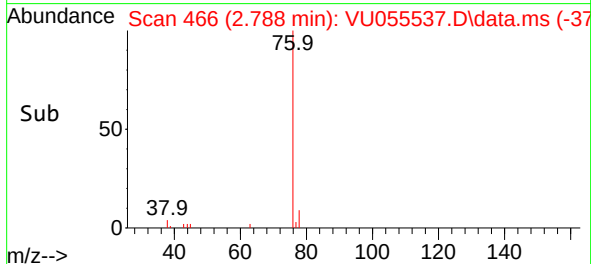
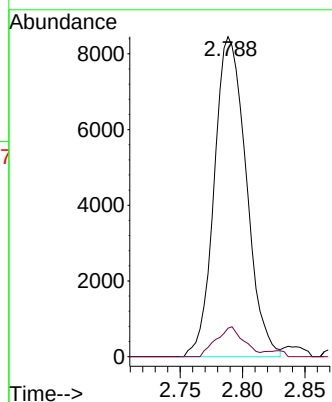


#14
Carbon disulfide
Concen: 0.278 ug/L
RT: 2.788 min Scan# 41
Delta R.T. -0.003 min
Lab File: VU055537.D
Acq: 27 Sep 2023 00:19

Instrument :
MSVOA_U
ClientSampleId :

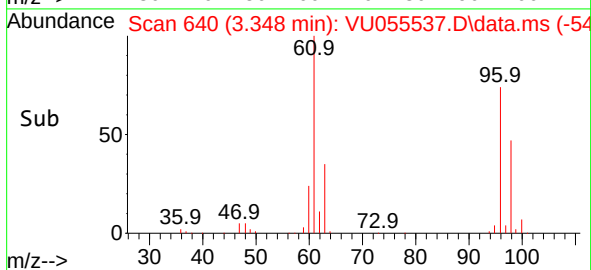
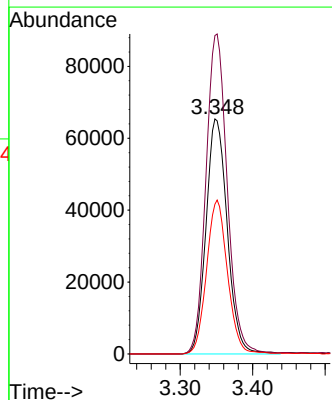
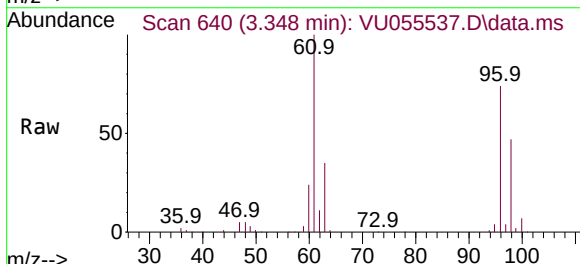


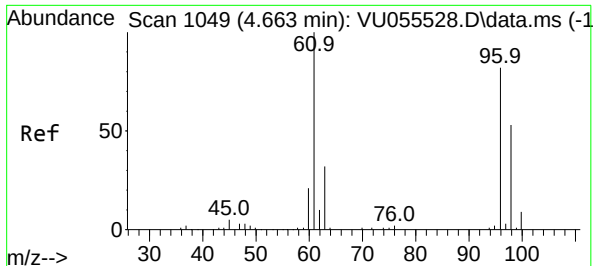
Tgt Ion: 76 Resp: 15058
Ion Ratio Lower Upper
76 100
78 8.9 7.7 11.5



#18
trans-1,2-Dichloroethene
Concen: 7.337 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU055537.D
Acq: 27 Sep 2023 00:19

Tgt Ion: 96 Resp: 133355
Ion Ratio Lower Upper
96 100
61 135.5 94.6 175.6
98 63.7 45.7 84.9





#22

cis-1,2-Dichloroethene

Concen: 535.047 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055537.D

Acq: 27 Sep 2023 00:19

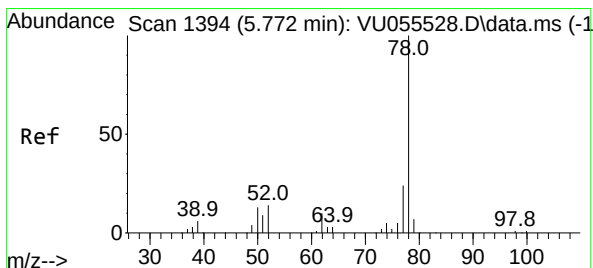
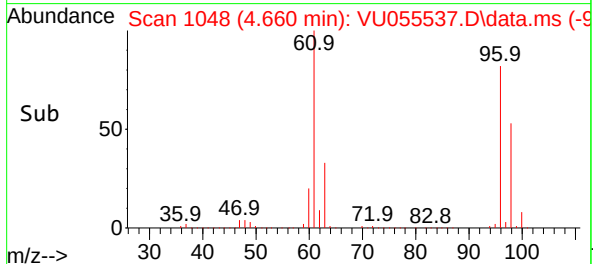
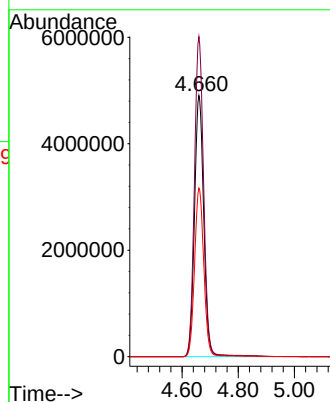
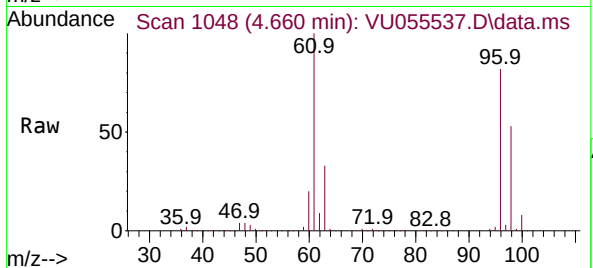
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp:11274932

Ion	Ratio	Lower	Upper
96	100		
61	122.5	87.8	163.2
98	64.5	44.4	82.4



#33

Benzene

Concen: 0.146 ug/L

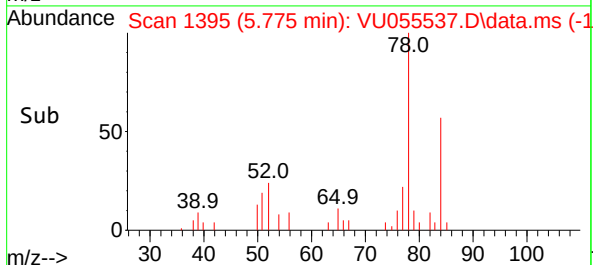
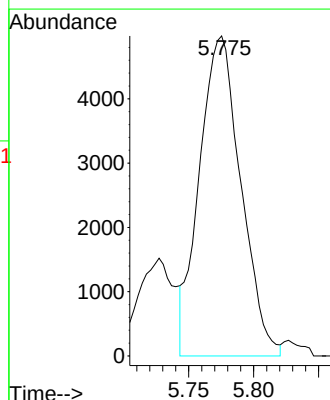
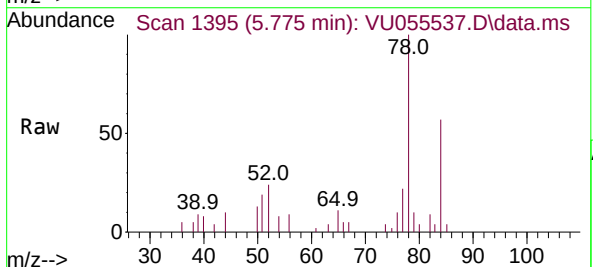
RT: 5.775 min Scan# 1395

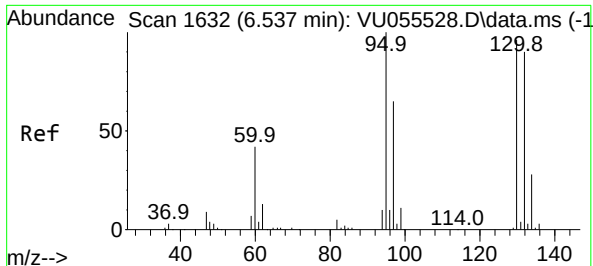
Delta R.T. 0.003 min

Lab File: VU055537.D

Acq: 27 Sep 2023 00:19

Tgt Ion: 78 Resp: 11038

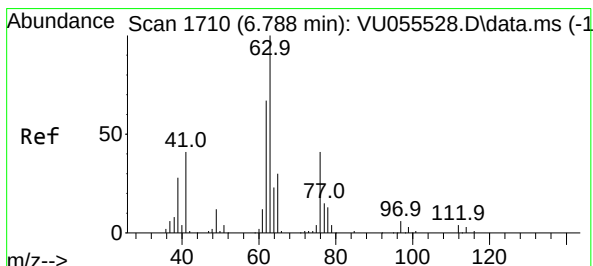
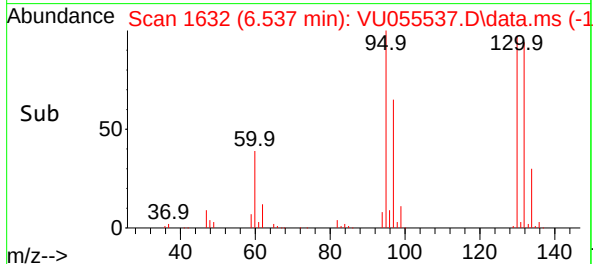
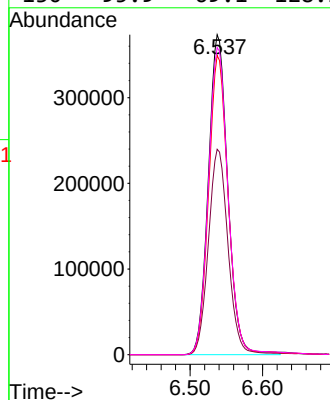
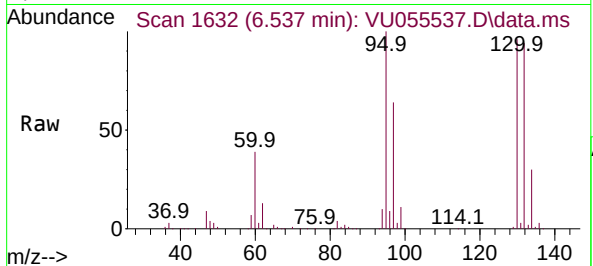




#34
Trichloroethene
Concen: 32.715 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU055537.D
Acq: 27 Sep 2023 00:19

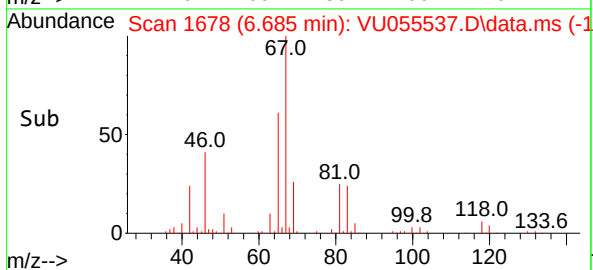
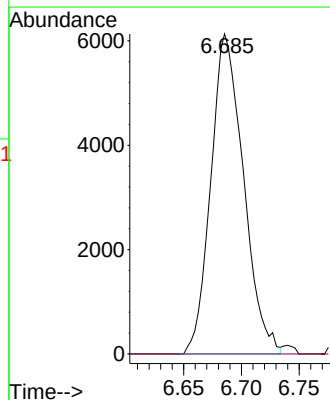
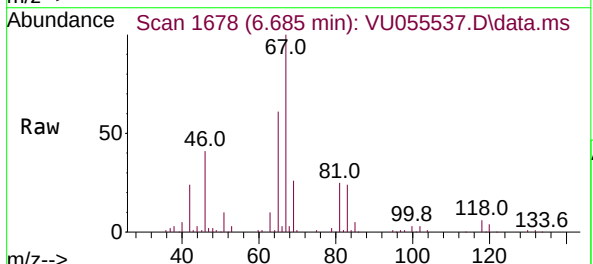
Instrument :
MSVOA_U
ClientSampleId :

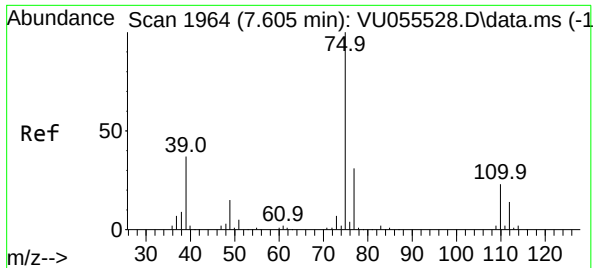
Tgt Ion: 95 Resp: 697712
Ion Ratio Lower Upper
95 100
97 64.2 45.4 84.2
132 93.5 65.2 121.2
130 95.9 69.1 128.3



#37
1,2-Dichloropropane
Concen: 0.611 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.103 min
Lab File: VU055537.D
Acq: 27 Sep 2023 00:19

Tgt Ion: 63 Resp: 12049
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#





#39

cis-1,3-Dichloropropene

Concen: 0.117 ug/L

RT: 7.563 min Scan# 1964

Delta R.T. -0.042 min

Lab File: VU055537.D

Acq: 27 Sep 2023 00:19

Instrument :

MSVOA_U

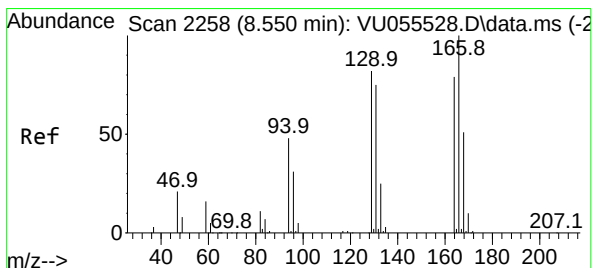
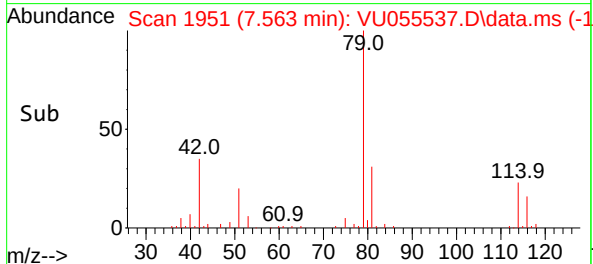
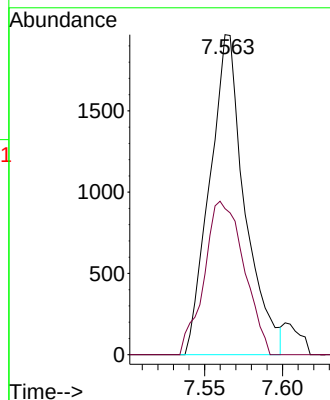
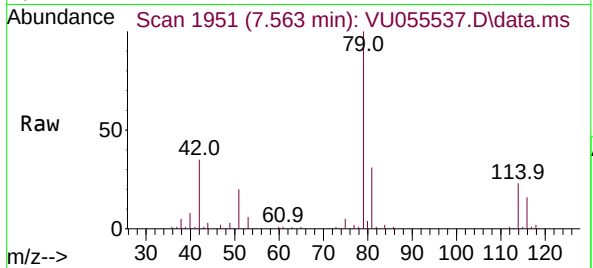
ClientSampleId :

Tgt Ion: 75 Resp: 3072

Ion Ratio Lower Upper

75 100

77 45.7 21.6 40.2#



#47

Tetrachloroethene

Concen: 32.516 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU055537.D

Acq: 27 Sep 2023 00:19

Tgt Ion: 164 Resp: 497450

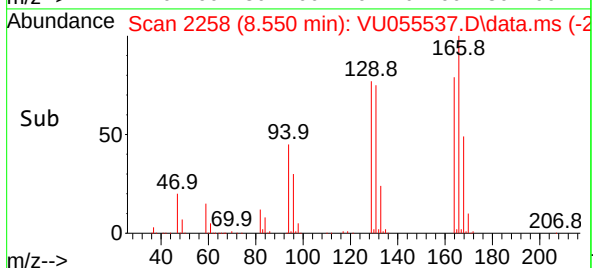
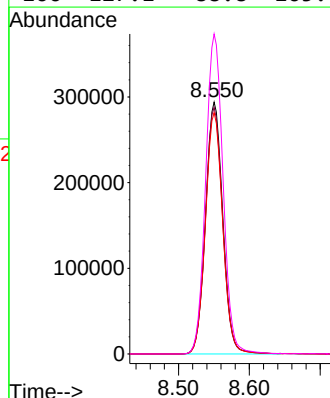
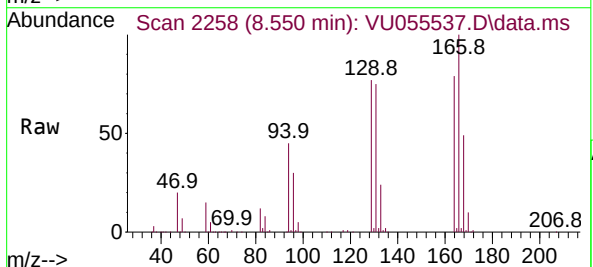
Ion Ratio Lower Upper

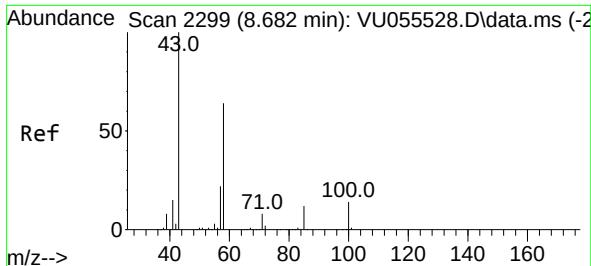
164 100

129 97.8 67.4 125.2

131 95.8 66.4 123.2

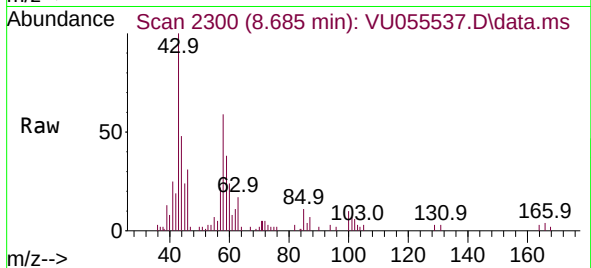
166 127.1 88.8 165.0



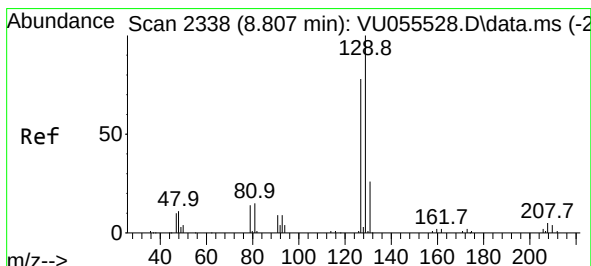
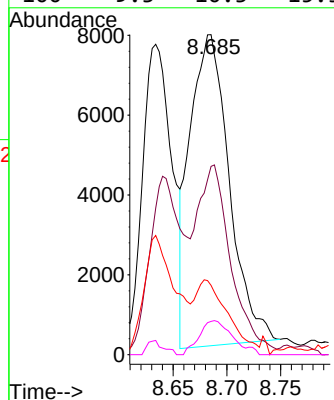
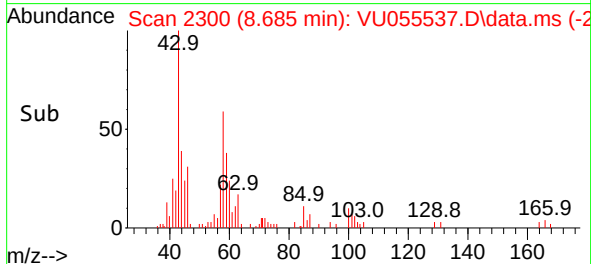


#48
2-Hexanone
Concen: 2.862 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055537.D
Acq: 27 Sep 2023 00:19

Instrument :
MSVOA_U
ClientSampleId :

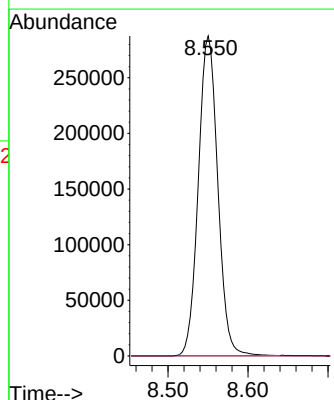
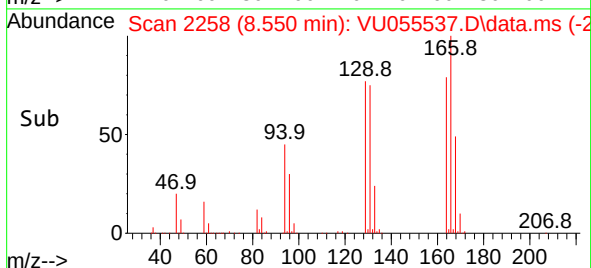
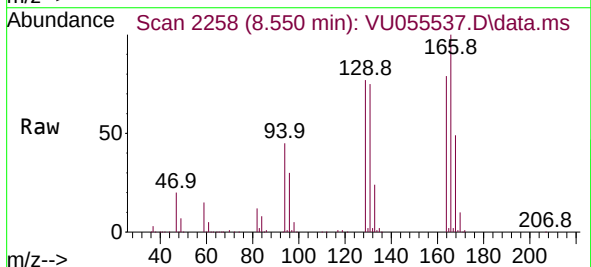


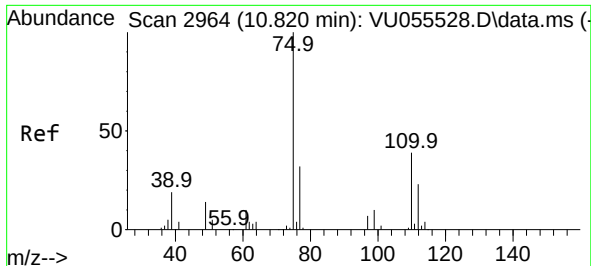
Tgt Ion: 43 Resp: 19839
Ion Ratio Lower Upper
43 100
58 49.9 48.5 72.7
57 17.4 17.0 25.4
100 9.3 10.3 15.5#



#49
Dibromochloromethane
Concen: 33.478 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.257 min
Lab File: VU055537.D
Acq: 27 Sep 2023 00:19

Tgt Ion: 129 Resp: 485188
Ion Ratio Lower Upper
129 100
127 0.0 56.8 105.6#

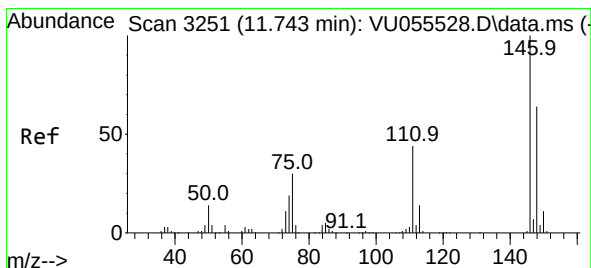
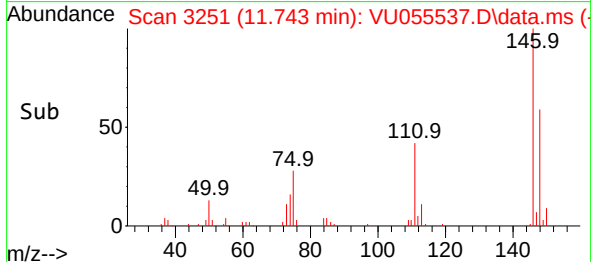
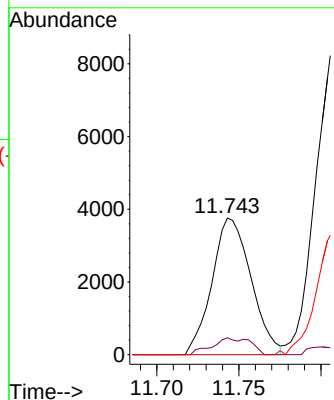
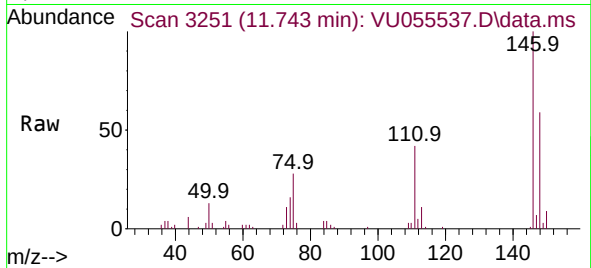




#61
 1,2,3-Trichloropropane
 Concen: 0.583 ug/L
 RT: 11.743 min Scan# 31
 Delta R.T. 0.923 min
 Lab File: VU055537.D
 Acq: 27 Sep 2023 00:19

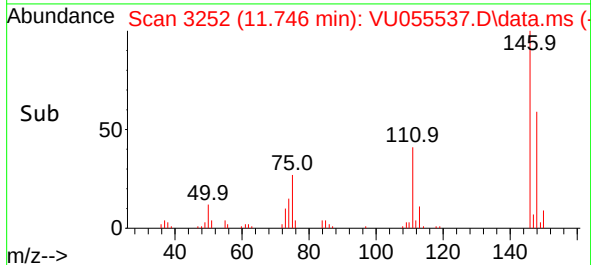
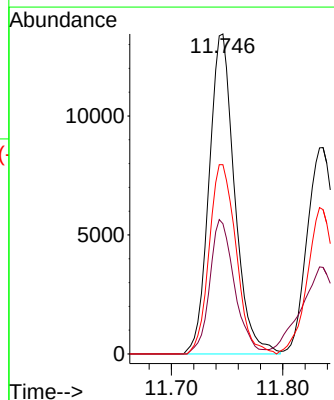
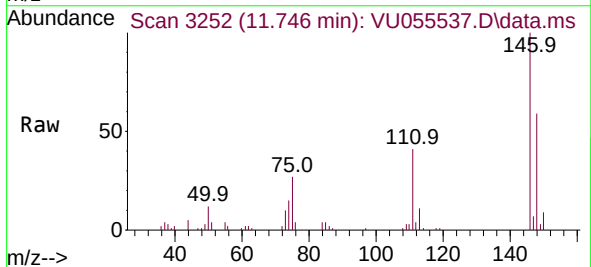
Instrument :
 MSVOA_U
 ClientSampleId :

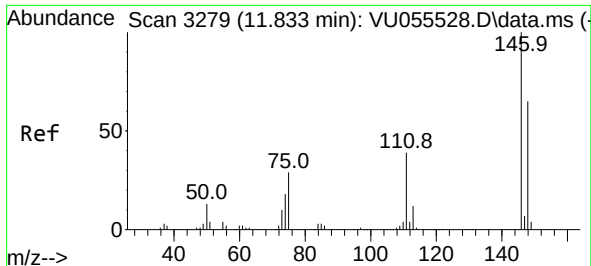
Tgt Ion: 75 Resp: 6216
 Ion Ratio Lower Upper
 75 100
 110 12.1 30.6 45.8#
 77 3.9 26.7 40.1#



#64
 1,3-Dichlorobenzene
 Concen: 0.569 ug/L
 RT: 11.746 min Scan# 3252
 Delta R.T. 0.003 min
 Lab File: VU055537.D
 Acq: 27 Sep 2023 00:19

Tgt Ion: 146 Resp: 21434
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.8 53.6
 148 59.1 44.6 82.8





#65

1,4-Dichlorobenzene

Concen: 0.416 ug/L

RT: 11.836 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055537.D

Acq: 27 Sep 2023 00:19

Instrument :

MSVOA_U

ClientSampleId :

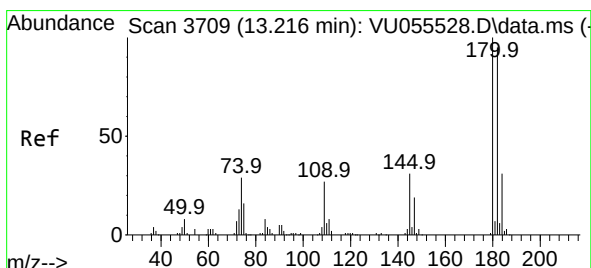
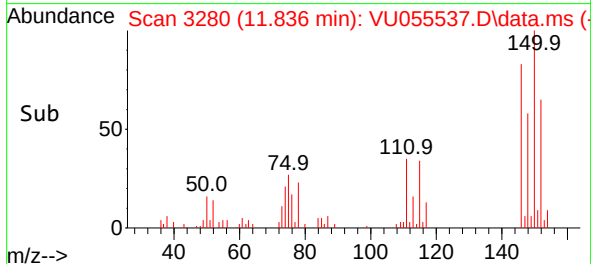
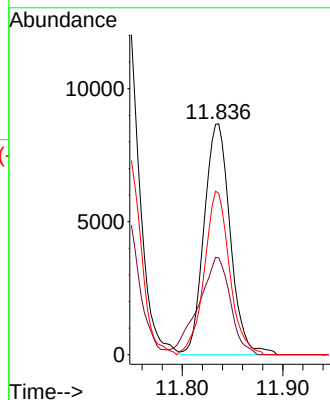
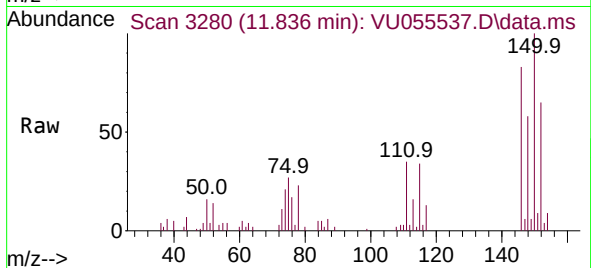
Tgt Ion:146 Resp: 15660

Ion Ratio Lower Upper

146 100

111 42.0 29.0 53.8

148 69.9 45.4 84.4



#69

1,3,5-Trichlorobenzene

Concen: 2.154 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.624 min

Lab File: VU055537.D

Acq: 27 Sep 2023 00:19

Tgt Ion:180 Resp: 55920

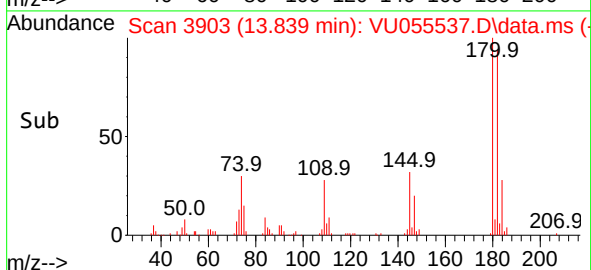
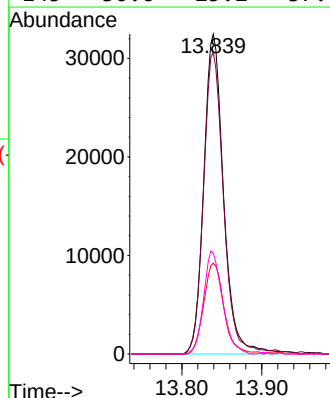
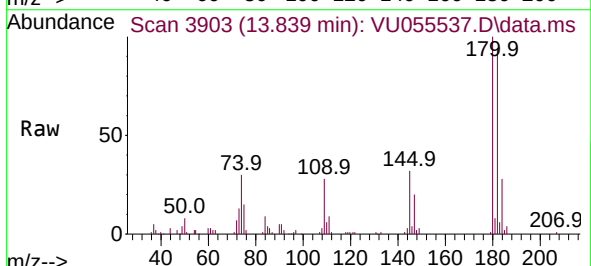
Ion Ratio Lower Upper

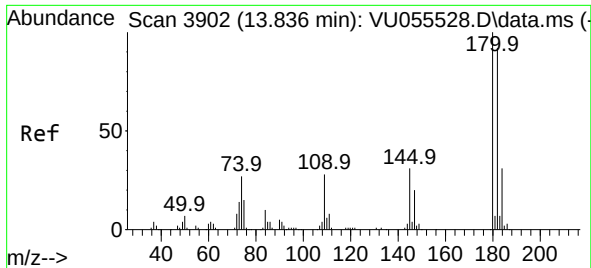
180 100

182 95.3 77.1 115.7

184 29.0 24.0 36.0

145 30.6 25.2 37.8





#70

1,2,4-trichlorobenzene

Concen: 2.826 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.003 min

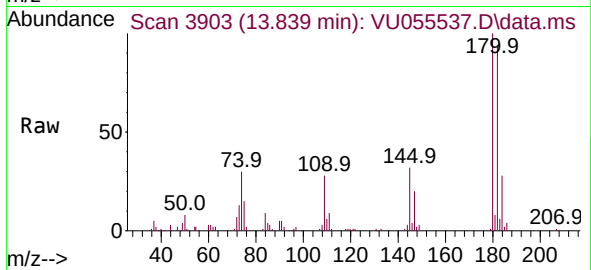
Lab File: VU055537.D

Acq: 27 Sep 2023 00:19

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 55920

Ion Ratio Lower Upper

180 100

182 95.3 76.4 114.6

145 30.6 25.4 38.0

