

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082823\
 Data File : VU054924.D
 Acq On : 28 Aug 2023 15:21
 Operator : MD/SY
 Sample : 04173-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK5

Quant Time: Aug 29 04:58:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 29 04:51:39 2023
 Response via : Initial Calibration

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

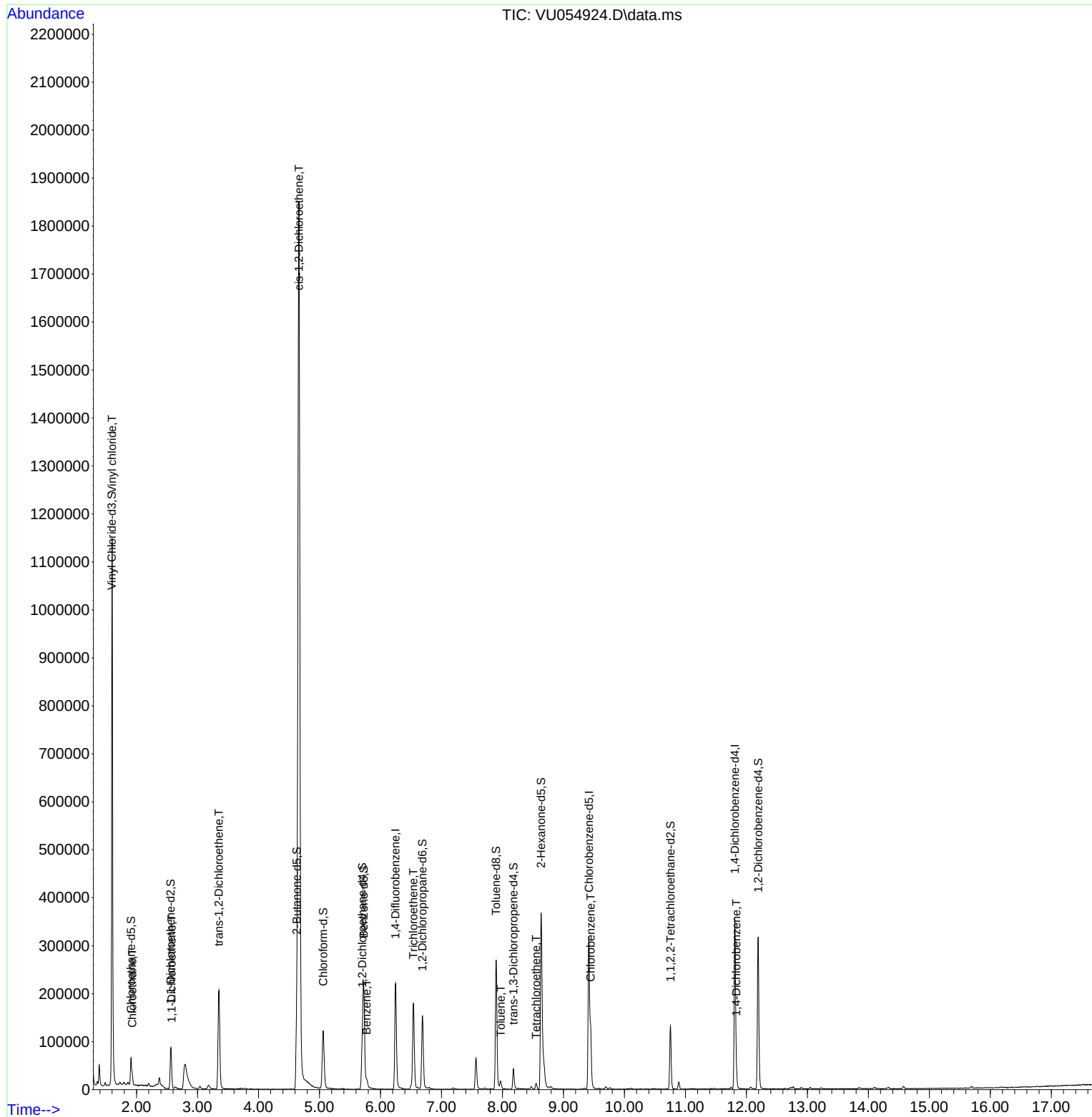
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	178153	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	173181	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	88067	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	34715	6.174	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.400%
7) Chloroethane-d5	1.911	69	38336	5.277	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.600%
11) 1,1-Dichloroethene-d2	2.560	65	16336	5.140	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.800%
20) 2-Butanone-d5	4.628	46	189824	62.542	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.080%
24) Chloroform-d	5.062	84	108770	5.215	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
26) 1,2-Dichloroethane-d4	5.701	65	62987	5.675	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.400%
32) Benzene-d6	5.724	84	200824	5.159	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.200%
36) 1,2-Dichloropropane-d6	6.689	67	70851	5.175	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.400%
41) Toluene-d8	7.898	98	184178	4.940	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
43) trans-1,3-Dichloroprop...	8.180	79	23662	5.252	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.000%
46) 2-Hexanone-d5	8.634	63	122742	57.394	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.780%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	64417	5.487	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	77032	5.478	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	771863	64.554	ug/L	99
8) Chloroethane	1.930	64	13595	1.729	ug/L	98
12) 1,1-Dichloroethene	2.576	96	1911	0.238	ug/L #	1
18) trans-1,2-Dichloroethene	3.351	96	83679	9.519	ug/L	93
22) cis-1,2-Dichloroethene	4.663	96	921081	87.884	ug/L	96
33) Benzene	5.775	78	15198	0.372	ug/L	100
34) Trichloroethene	6.541	95	60387	5.334	ug/L	98
42) Toluene	7.971	91	11967	0.264	ug/L	88
47) Tetrachloroethene	8.553	164	2530	0.311	ug/L	89
51) Chlorobenzene	9.447	112	61099	2.071	ug/L	98
65) 1,4-Dichlorobenzene	11.836	146	9468	0.430	ug/L	97

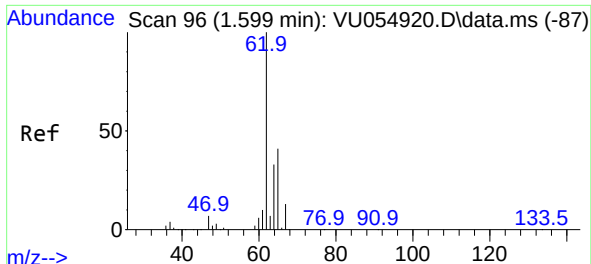
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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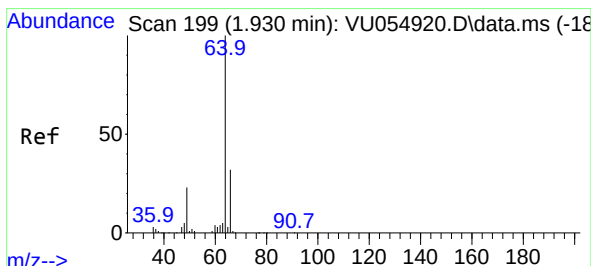
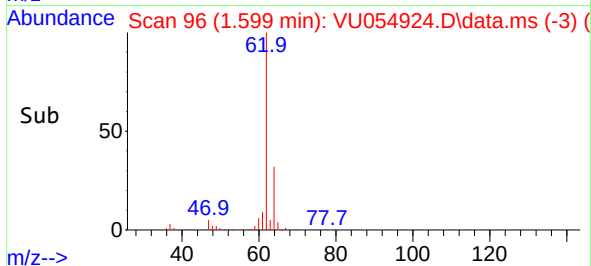
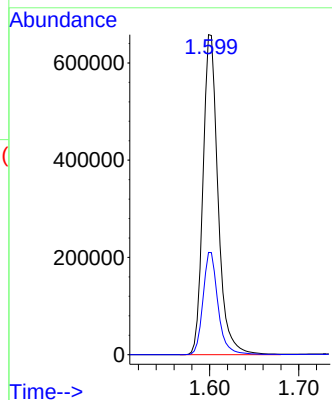
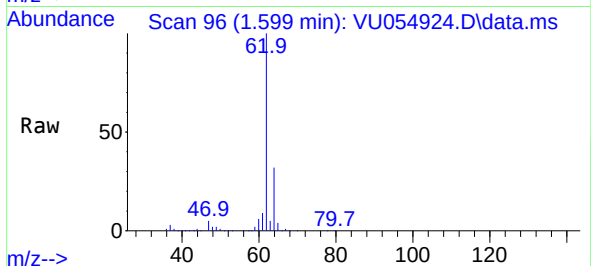




#5
 Vinyl chloride
 Concen: 64.554 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU054924.D
 Acq: 28 Aug 2023 15:21

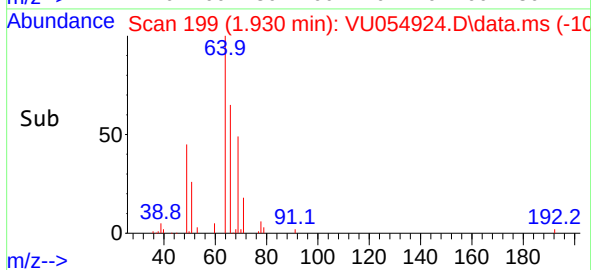
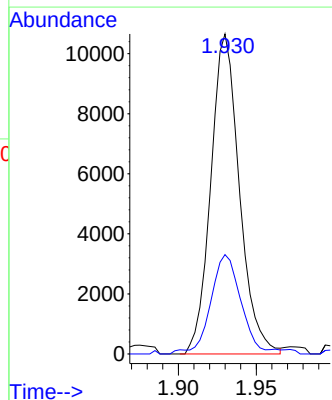
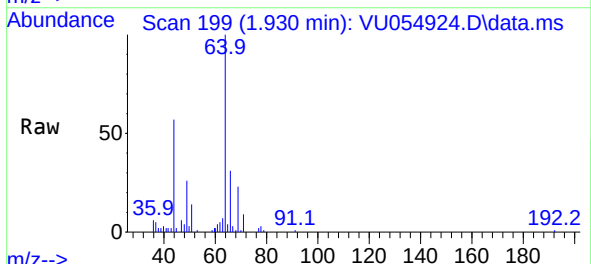
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK5

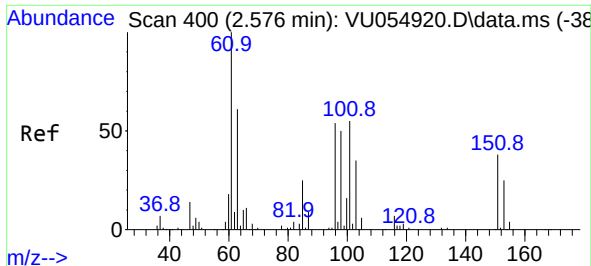
Tgt Ion: 62 Resp: 771863
 Ion Ratio Lower Upper
 62 100
 64 32.0 22.7 42.1



#8
 Chloroethane
 Concen: 1.729 ug/L
 RT: 1.930 min Scan# 199
 Delta R.T. -0.000 min
 Lab File: VU054924.D
 Acq: 28 Aug 2023 15:21

Tgt Ion: 64 Resp: 13595
 Ion Ratio Lower Upper
 64 100
 66 29.8 21.5 39.9

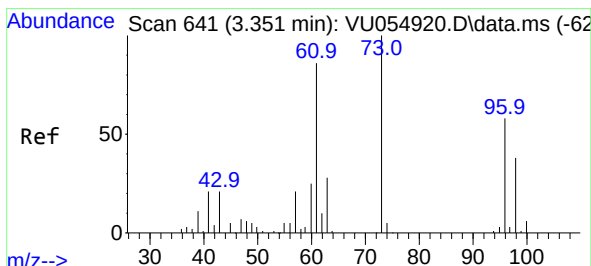
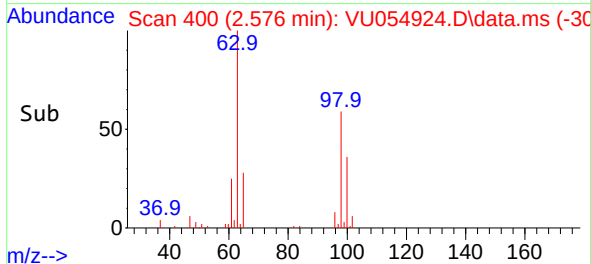
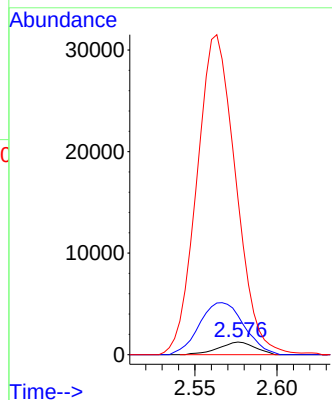
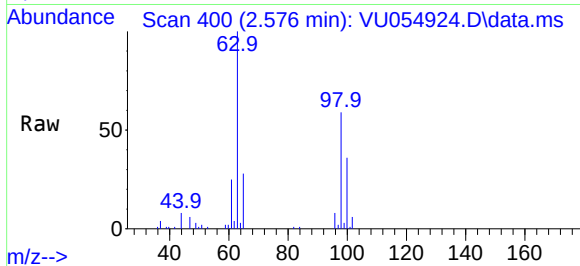




#12
1,1-Dichloroethene
Concen: 0.238 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU054924.D
Acq: 28 Aug 2023 15:21

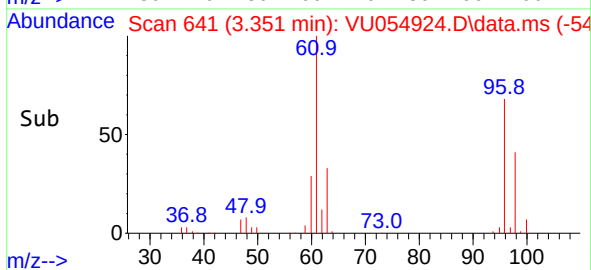
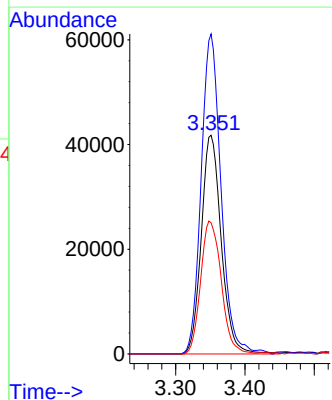
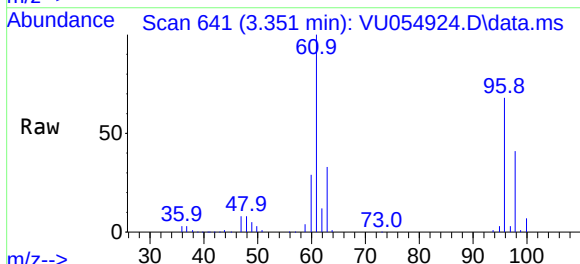
Instrument :
MSVOA_U
ClientSampleId :
C0AK5

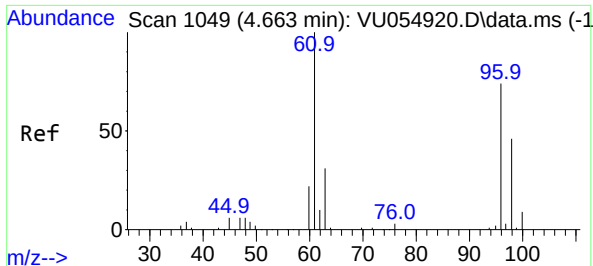
Tgt Ion: 96 Resp: 1911
Ion Ratio Lower Upper
96 100
61 308.4 132.4 245.8#
63 1231.5 82.5 153.1#



#18
trans-1,2-Dichloroethene
Concen: 9.519 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054924.D
Acq: 28 Aug 2023 15:21

Tgt Ion: 96 Resp: 83679
Ion Ratio Lower Upper
96 100
61 146.3 108.8 202.0
98 60.0 45.8 85.2



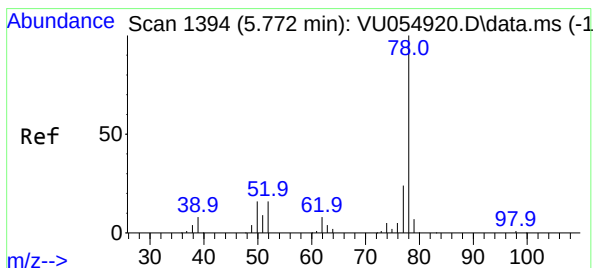
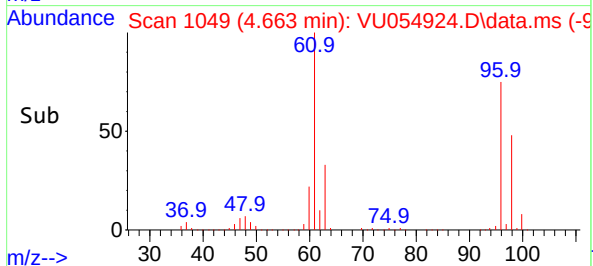
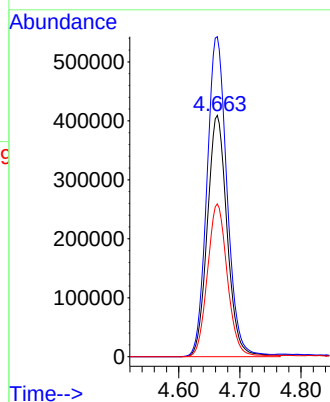
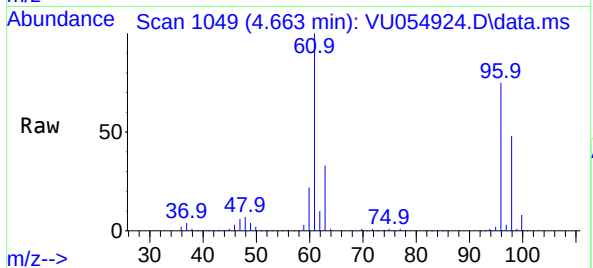


#22
 cis-1,2-Dichloroethene
 Concen: 87.884 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054924.D
 Acq: 28 Aug 2023 15:21

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK5

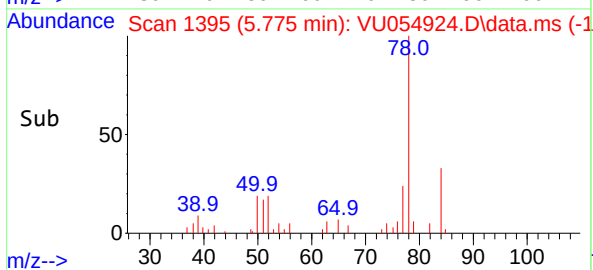
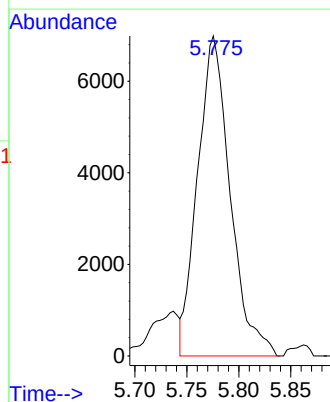
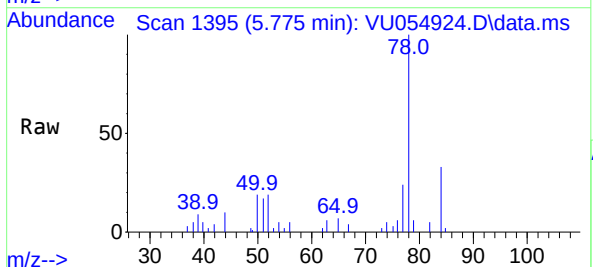
Tgt Ion: 96 Resp: 921081

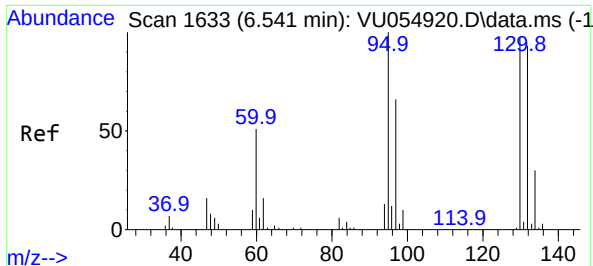
Ion	Ratio	Lower	Upper
96	100		
61	132.6	88.4	164.2
98	63.3	44.0	81.6



#33
 Benzene
 Concen: 0.372 ug/L
 RT: 5.775 min Scan# 1395
 Delta R.T. 0.003 min
 Lab File: VU054924.D
 Acq: 28 Aug 2023 15:21

Tgt Ion: 78 Resp: 15198

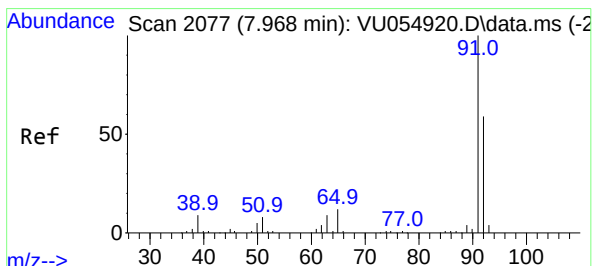
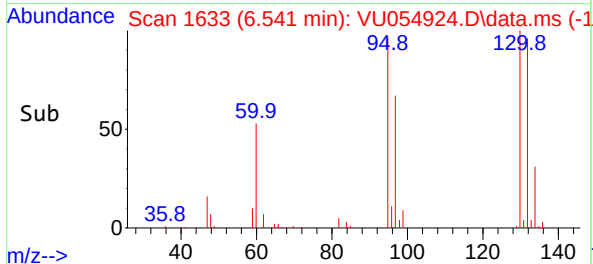
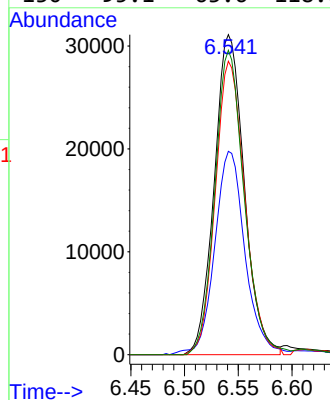
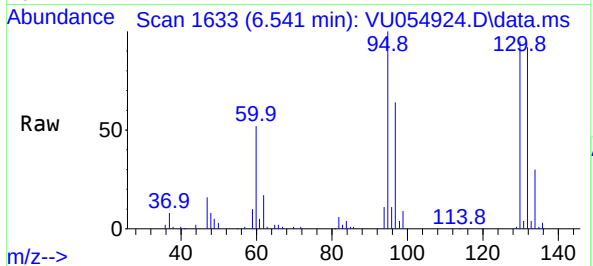




#34
Trichloroethene
Concen: 5.334 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054924.D
Acq: 28 Aug 2023 15:21

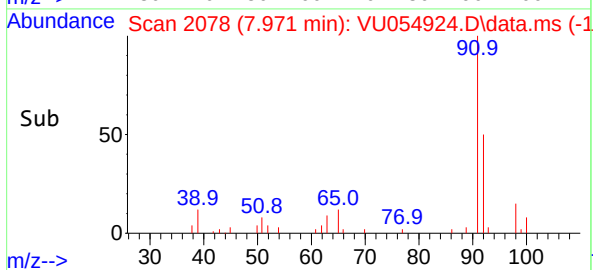
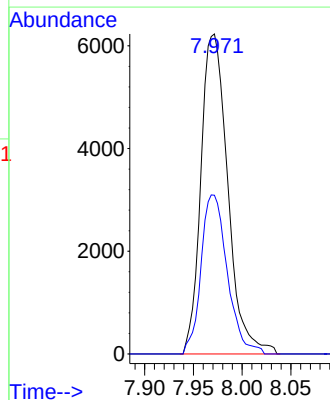
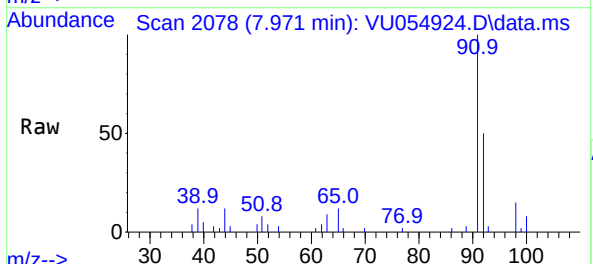
Instrument :
MSVOA_U
ClientSampleId :
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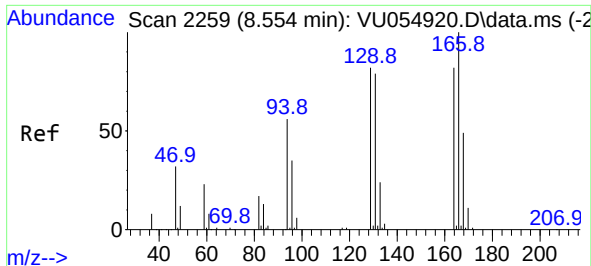
Tgt Ion: 95 Resp: 60387
Ion Ratio Lower Upper
95 100
97 63.5 44.1 81.9
132 91.7 63.6 118.2
130 95.1 63.6 118.0



#42
Toluene
Concen: 0.264 ug/L
RT: 7.971 min Scan# 2078
Delta R.T. 0.003 min
Lab File: VU054924.D
Acq: 28 Aug 2023 15:21

Tgt Ion: 91 Resp: 11967
Ion Ratio Lower Upper
91 100
92 49.6 41.2 76.4





#47

Tetrachloroethene

Concen: 0.311 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054924.D

Acq: 28 Aug 2023 15:21

Instrument :

MSVOA_U

ClientSampleId :

C0AK5

Tgt Ion:164 Resp: 2530

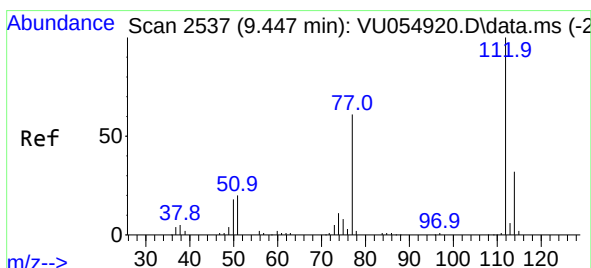
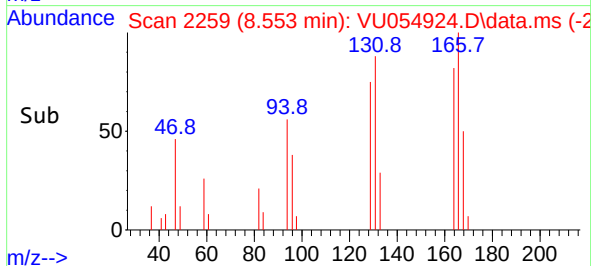
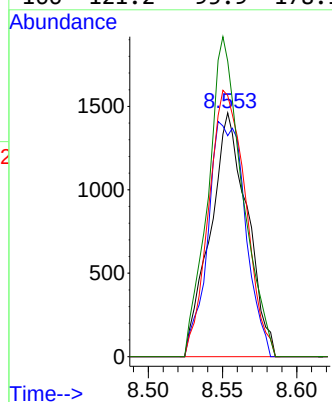
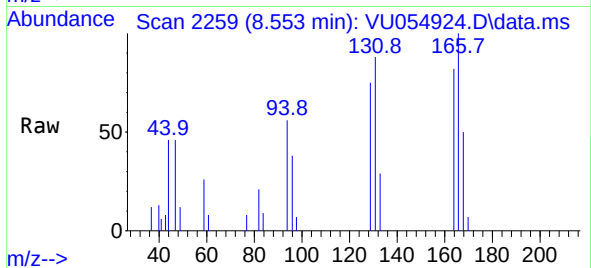
Ion Ratio Lower Upper

164 100

129 90.6 72.8 135.2

131 107.1 70.7 131.3

166 121.2 95.9 178.1



#51

Chlorobenzene

Concen: 2.071 ug/L

RT: 9.447 min Scan# 2537

Delta R.T. -0.000 min

Lab File: VU054924.D

Acq: 28 Aug 2023 15:21

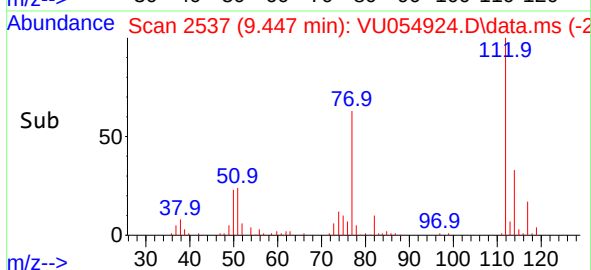
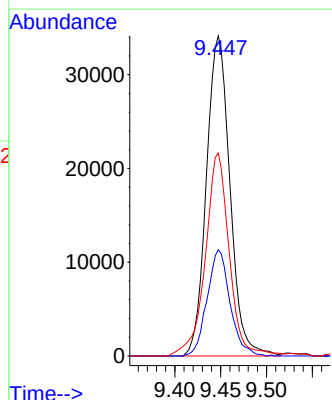
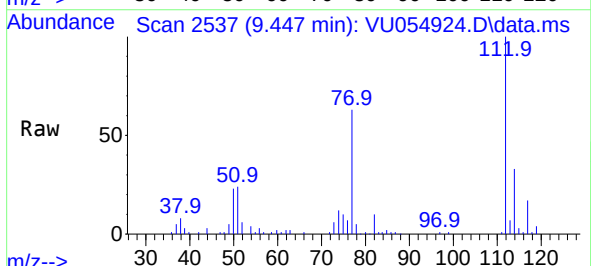
Tgt Ion:112 Resp: 61099

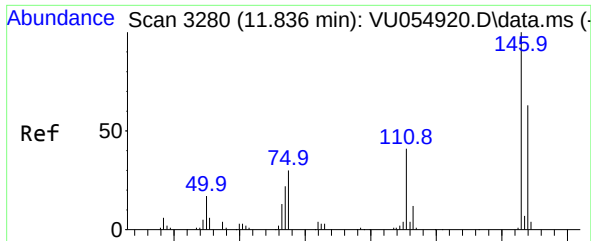
Ion Ratio Lower Upper

112 100

114 33.2 23.4 43.4

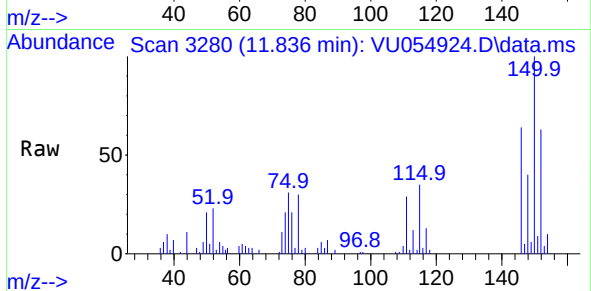
77 63.4 49.3 73.9





#65
 1,4-Dichlorobenzene
 Concen: 0.430 ug/L
 RT: 11.836 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054924.D
 Acq: 28 Aug 2023 15:21

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK5



Tgt Ion:	146	Resp:	9468
Ion	Ratio	Lower	Upper
146	100		
111	45.3	29.9	55.5
148	62.6	44.7	83.1

