

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082823\
 Data File : VU054928.D
 Acq On : 28 Aug 2023 16:59
 Operator : MD/SY
 Sample : 04173-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK9

Quant Time: Aug 29 05:00:00 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)

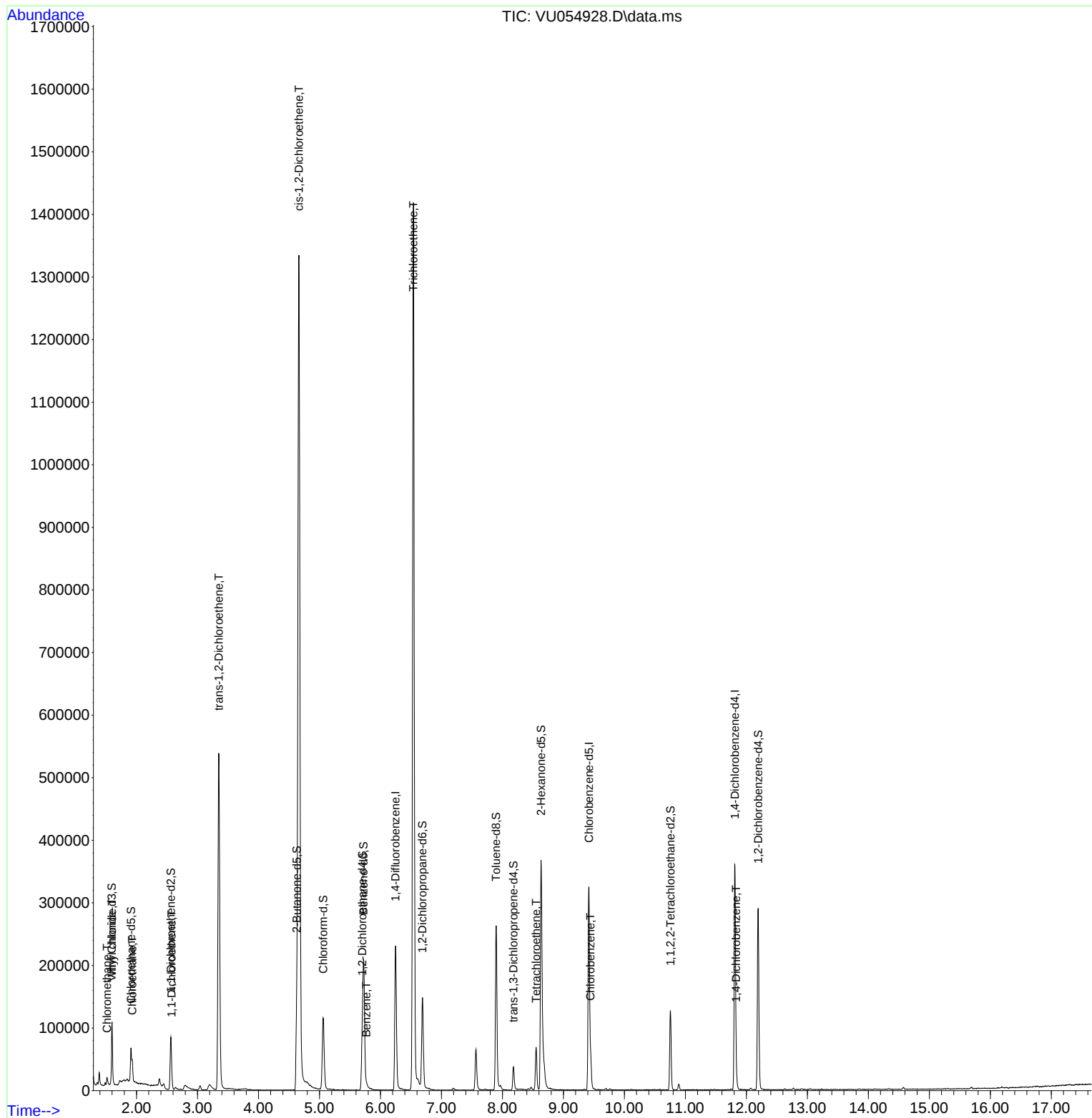
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	183894	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	179029	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	91609	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	27199	4.686	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.800%
7) Chloroethane-d5	1.910	69	36576	4.878	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.600%
11) 1,1-Dichloroethene-d2	2.563	65	14635	4.461	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.200%
20) 2-Butanone-d5	4.627	46	181522	57.939	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.880%
24) Chloroform-d	5.061	84	104218	4.841	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.701	65	60210	5.255	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.200%
32) Benzene-d6	5.724	84	186471	4.634	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
36) 1,2-Dichloropropane-d6	6.688	67	68324	4.827	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.600%
41) Toluene-d8	7.897	98	177042	4.594	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
43) trans-1,3-Dichloroprop...	8.180	79	21463	4.608	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.634	63	124901	56.496	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.000%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	60407	4.977	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	74041	5.062	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	9988	0.840	ug/L	95
5) Vinyl chloride	1.599	62	45543	3.690	ug/L	99
8) Chloroethane	1.930	64	19043	2.346	ug/L	93
12) 1,1-Dichloroethene	2.576	96	2909	0.350	ug/L #	1
18) trans-1,2-Dichloroethene	3.351	96	218108	24.037	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	651407	60.213	ug/L	93
33) Benzene	5.772	78	5799	0.137	ug/L	100
34) Trichloroethene	6.541	95	465936	39.808	ug/L	98
47) Tetrachloroethene	8.553	164	13834	1.645	ug/L	96
51) Chlorobenzene	9.444	112	22699	0.744	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	4817	0.210	ug/L	94

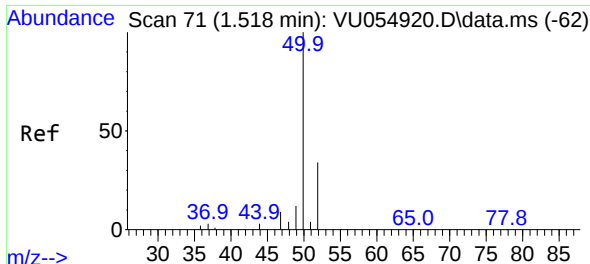
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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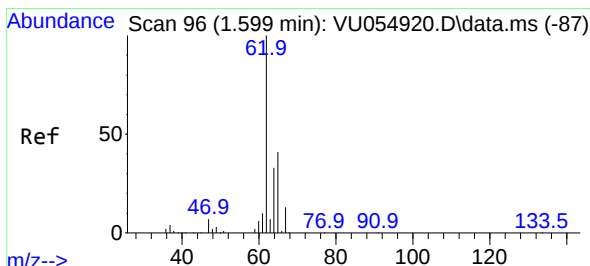
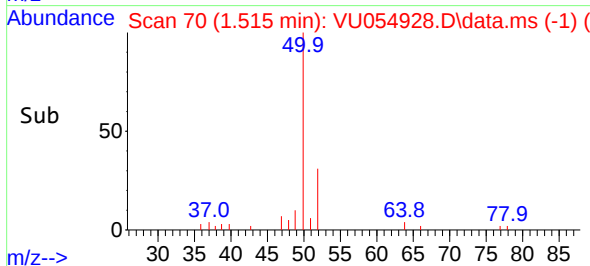
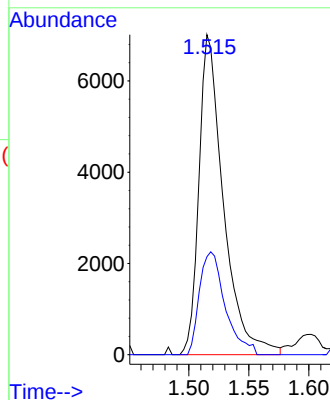
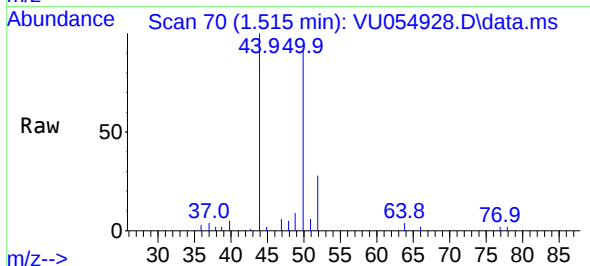




#3
Chloromethane
Concen: 0.840 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU054928.D
Acq: 28 Aug 2023 16:59

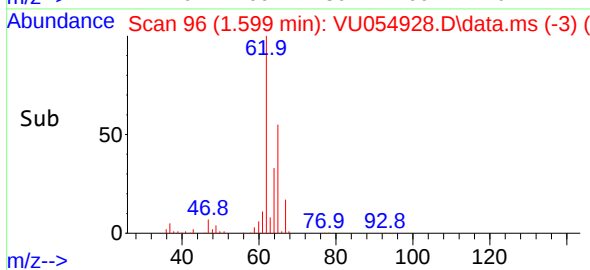
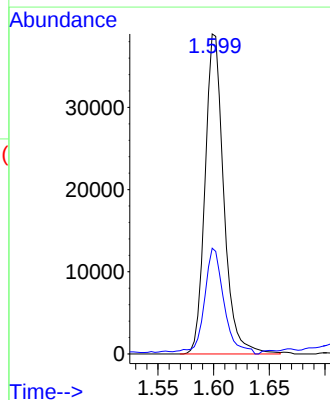
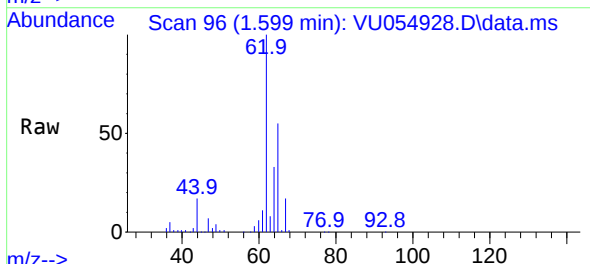
Instrument :
MSVOA_U
ClientSampleId :
C0AK9

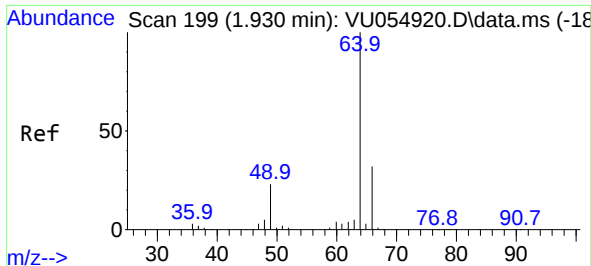
Tgt Ion: 50 Resp: 9988
Ion Ratio Lower Upper
50 100
52 30.6 23.4 43.6



#5
Vinyl chloride
Concen: 3.690 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU054928.D
Acq: 28 Aug 2023 16:59

Tgt Ion: 62 Resp: 45543
Ion Ratio Lower Upper
62 100
64 33.1 22.7 42.1

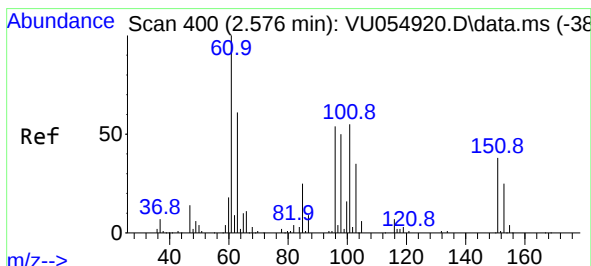
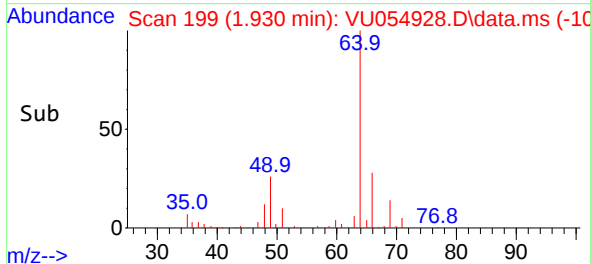
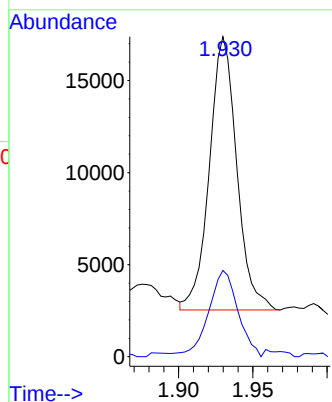
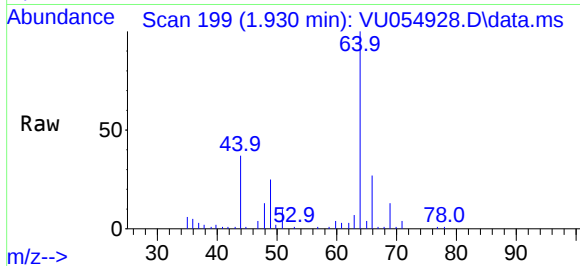




#8
Chloroethane
Concen: 2.346 ug/L
RT: 1.930 min Scan# 19
Delta R.T. -0.000 min
Lab File: VU054928.D
Acq: 28 Aug 2023 16:59

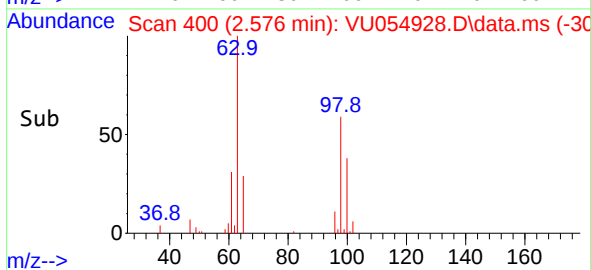
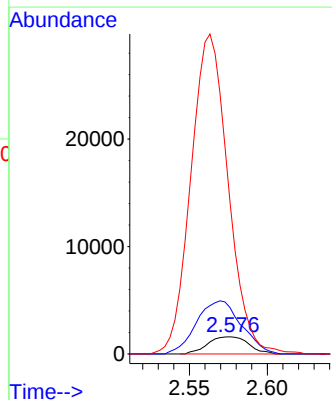
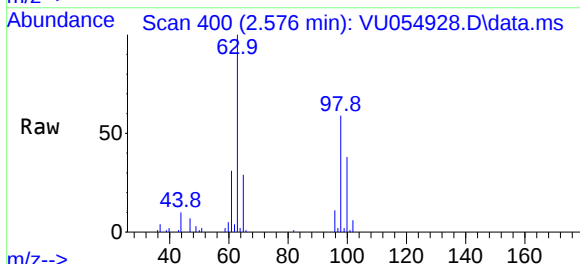
Instrument :
MSVOA_U
ClientSampleId :
C0AK9

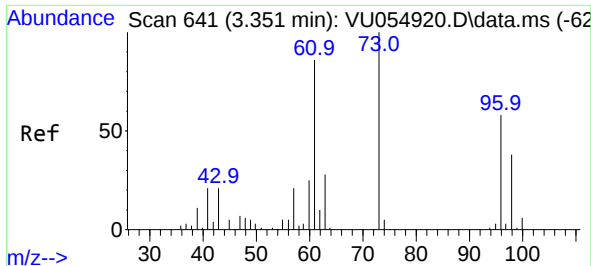
Tgt Ion: 64 Resp: 19043
Ion Ratio Lower Upper
64 100
66 27.0 21.5 39.9



#12
1,1-Dichloroethene
Concen: 0.350 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU054928.D
Acq: 28 Aug 2023 16:59

Tgt Ion: 96 Resp: 2909
Ion Ratio Lower Upper
96 100
61 269.5 132.4 245.8#
63 880.3 82.5 153.1#

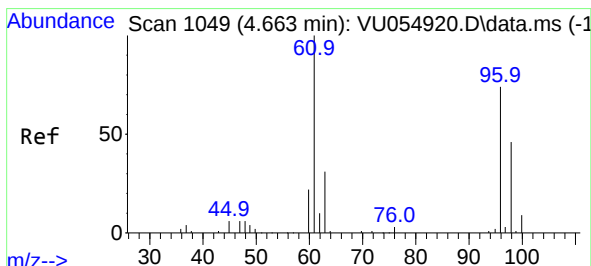
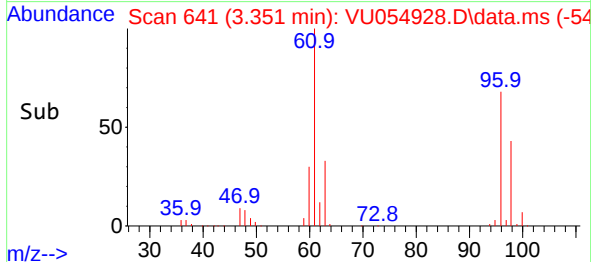
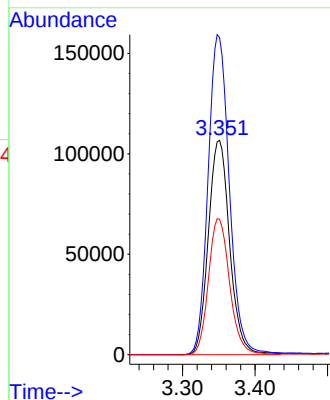
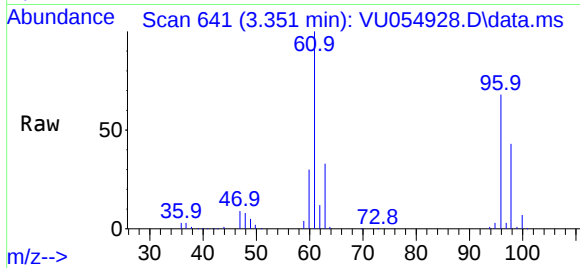




#18
trans-1,2-Dichloroethene
Concen: 24.037 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054928.D
Acq: 28 Aug 2023 16:59

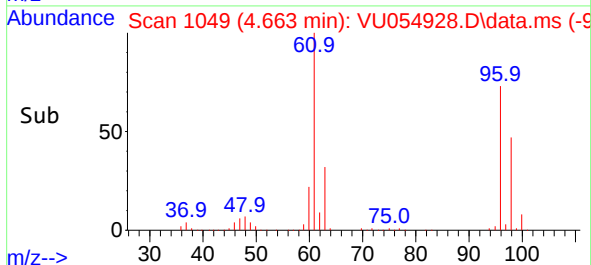
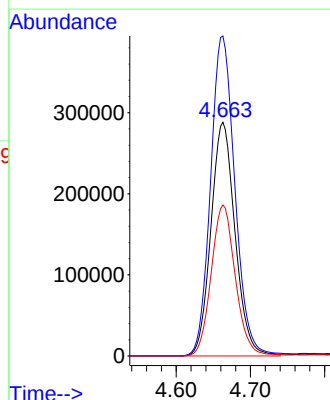
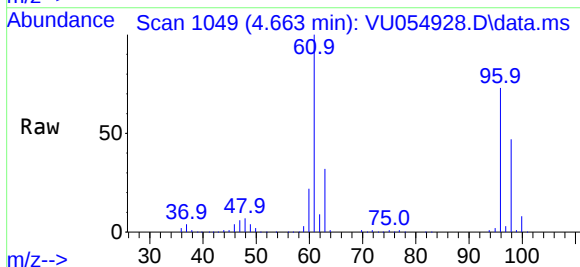
Instrument :
MSVOA_U
ClientSampleId :
C0AK9

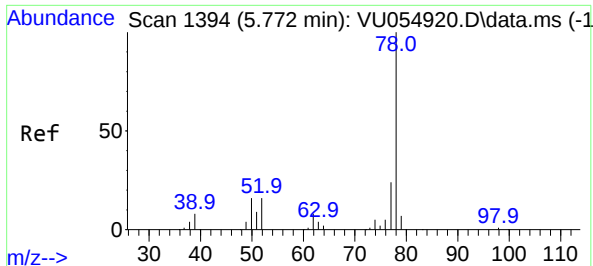
Tgt Ion: 96 Resp: 218108
Ion Ratio Lower Upper
96 100
61 147.9 108.8 202.0
98 63.1 45.8 85.2



#22
cis-1,2-Dichloroethene
Concen: 60.213 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU054928.D
Acq: 28 Aug 2023 16:59

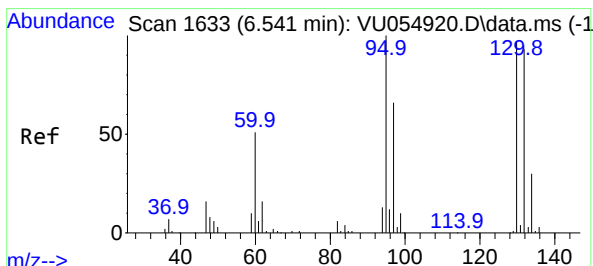
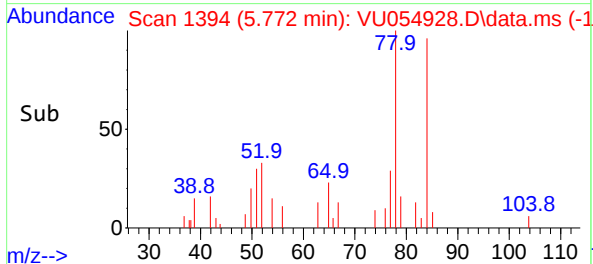
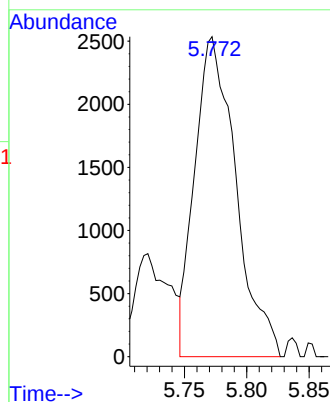
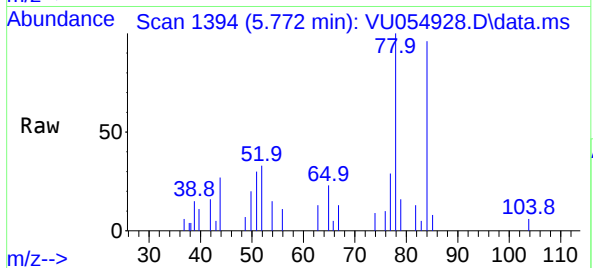
Tgt Ion: 96 Resp: 651407
Ion Ratio Lower Upper
96 100
61 136.9 88.4 164.2
98 64.6 44.0 81.6





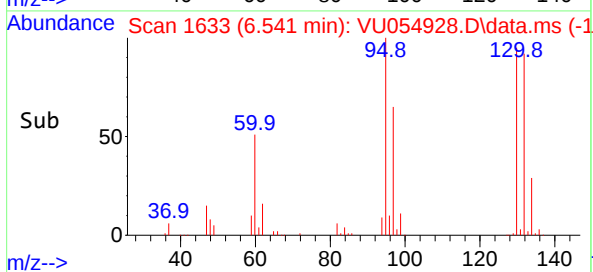
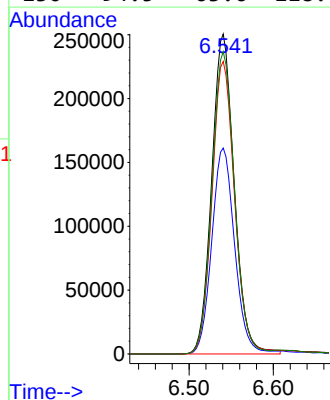
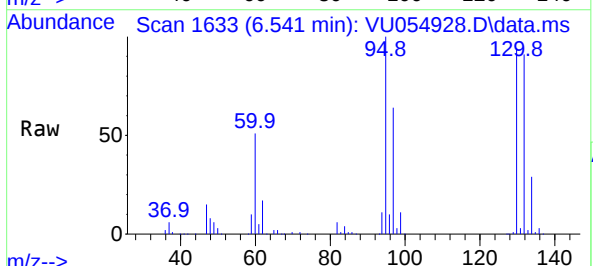
#33
Benzene
Concen: 0.137 ug/L
RT: 5.772 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054928.D
Acq: 28 Aug 2023 16:59
Tgt Ion: 78 Resp: 5799

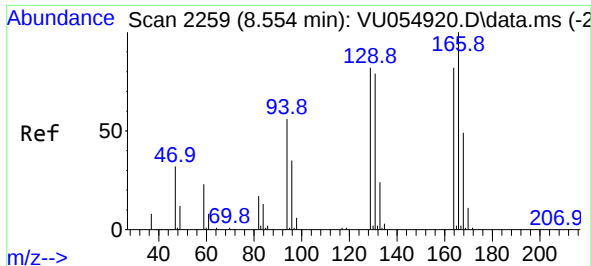
Instrument :
MSVOA_U
ClientSampleId :
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#34
Trichloroethene
Concen: 39.808 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU054928.D
Acq: 28 Aug 2023 16:59
Tgt Ion: 95 Resp: 465936

Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.1	81.9
132	91.4	63.6	118.2
130	94.5	63.6	118.0



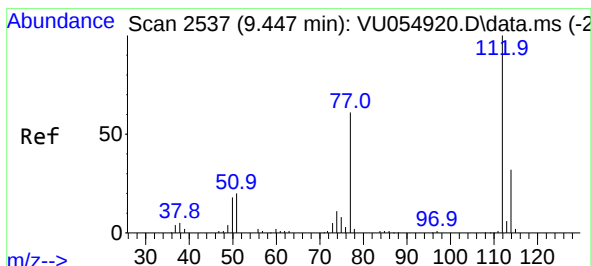
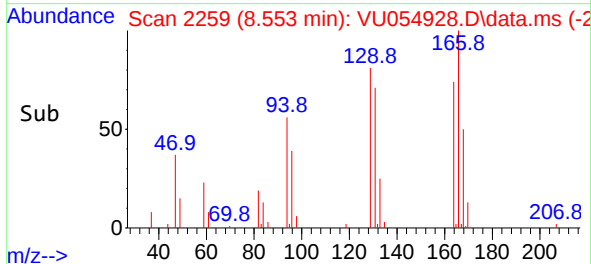
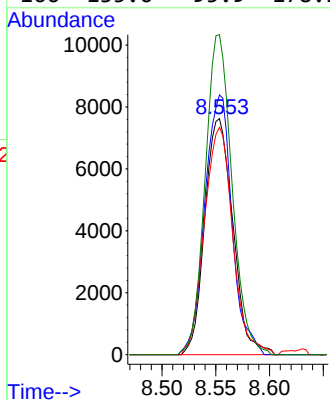
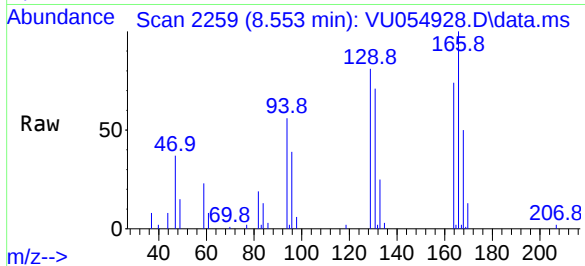


#47
Tetrachloroethene
Concen: 1.645 ug/L
RT: 8.553 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054928.D
Acq: 28 Aug 2023 16:59

Instrument :
MSVOA_U
ClientSampleId :
C0AK9

Tgt Ion:164 Resp: 13834

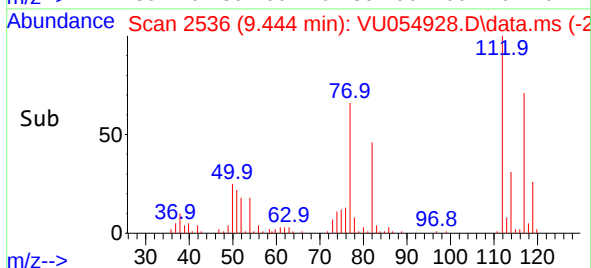
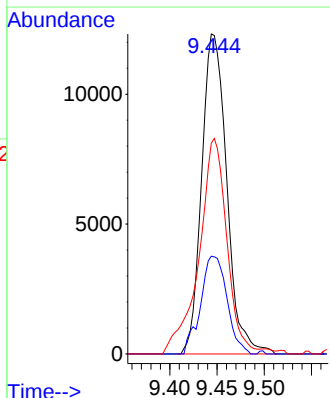
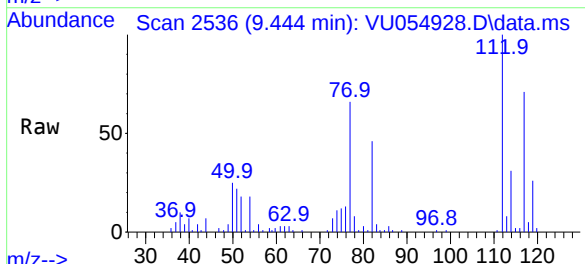
Ion	Ratio	Lower	Upper
164	100		
129	110.0	72.8	135.2
131	96.3	70.7	131.3
166	135.6	95.9	178.1

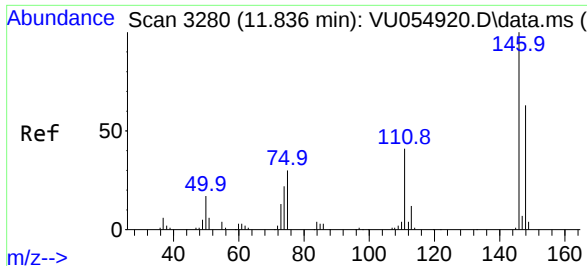


#51
Chlorobenzene
Concen: 0.744 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.003 min
Lab File: VU054928.D
Acq: 28 Aug 2023 16:59

Tgt Ion:112 Resp: 22699

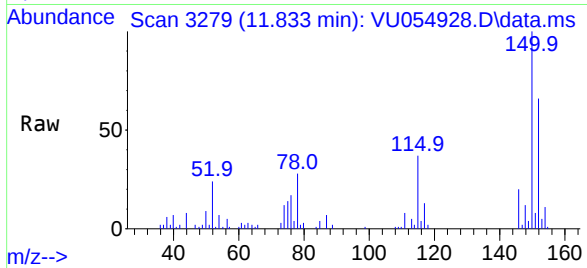
Ion	Ratio	Lower	Upper
112	100		
114	30.6	23.4	43.4
77	65.9	49.3	73.9





#65
1,4-Dichlorobenzene
Concen: 0.210 ug/L
RT: 11.833 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054928.D
Acq: 28 Aug 2023 16:59

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:	146	Resp:	4817
Ion	Ratio	Lower	Upper
146	100		
111	38.6	29.9	55.5
148	59.4	44.7	83.1

