

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082823\
 Data File : VU054925.D
 Acq On : 28 Aug 2023 15:45
 Operator : MD/SY
 Sample : 04173-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK6

Quant Time: Aug 29 04:59:05 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)

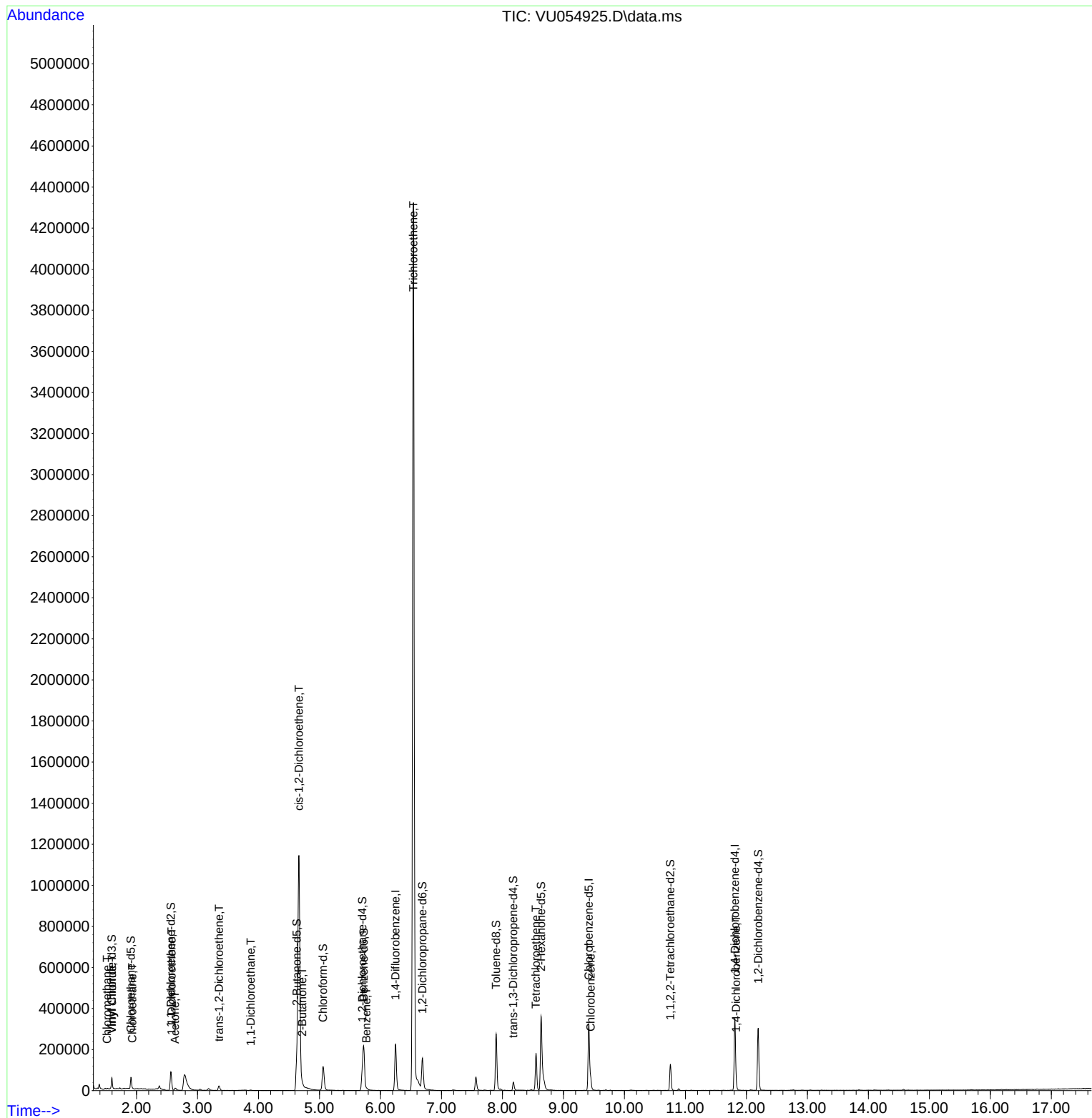
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	177555	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	173049	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	86541	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	29444	5.254	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.000%
7) Chloroethane-d5	1.907	69	37124	5.128	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.600%
11) 1,1-Dichloroethene-d2	2.563	65	16287	5.142	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.800%
20) 2-Butanone-d5	4.627	46	183373	60.620	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.240%
24) Chloroform-d	5.058	84	105184	5.060	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	5.701	65	61640	5.572	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.400%
32) Benzene-d6	5.724	84	197786	5.085	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
36) 1,2-Dichloropropane-d6	6.688	67	71323	5.213	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.200%
41) Toluene-d8	7.897	98	187185	5.025	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
43) trans-1,3-Dichloroprop...	8.177	79	23307	5.177	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.600%
46) 2-Hexanone-d5	8.634	63	117683	55.070	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.140%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	62317	5.312	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	73718	5.335	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	2277	0.198	ug/L	93
5) Vinyl chloride	1.599	62	8316	0.698	ug/L	91
8) Chloroethane	1.930	64	2738	0.349	ug/L	89
12) 1,1-Dichloroethene	2.576	96	4486	0.560	ug/L #	1
13) Acetone	2.631	43	14935	9.134	ug/L	97
18) trans-1,2-Dichloroethene	3.354	96	8731	0.997	ug/L	92
19) 1,1-Dichloroethane	3.872	63	2404	0.131	ug/L	93
21) 2-Butanone	4.717	43	33981	13.563	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	559749	53.588	ug/L	93
33) Benzene	5.769	78	6033	0.148	ug/L	100
34) Trichloroethene	6.541	95	1479998	130.816	ug/L	98
47) Tetrachloroethene	8.550	164	37136	4.568	ug/L	93
51) Chlorobenzene	9.447	112	28025	0.951	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	5386	0.249	ug/L	86

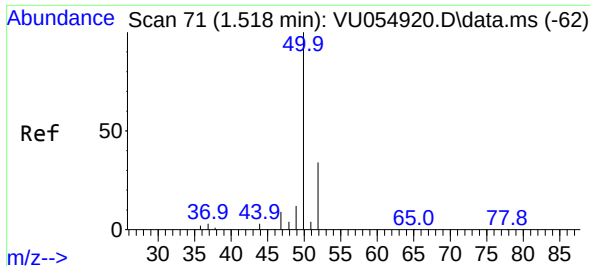
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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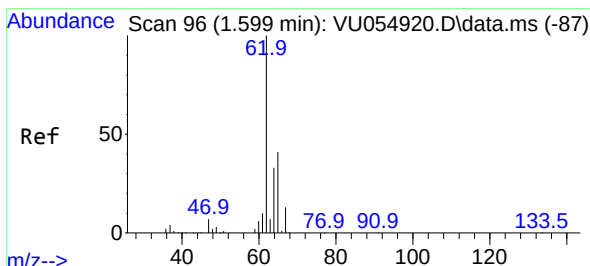
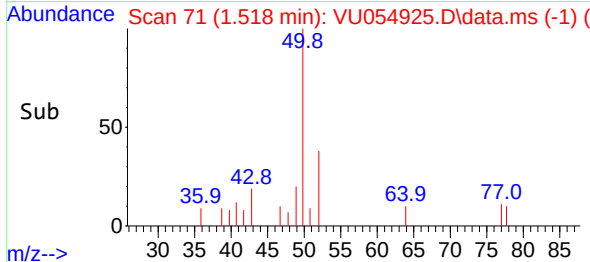
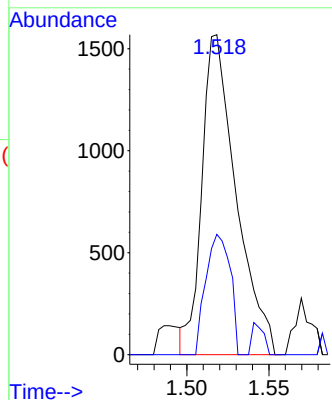
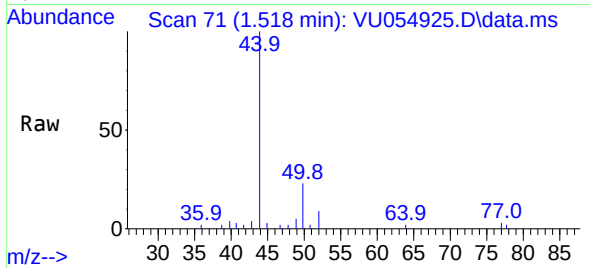




#3
Chloromethane
Concen: 0.198 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

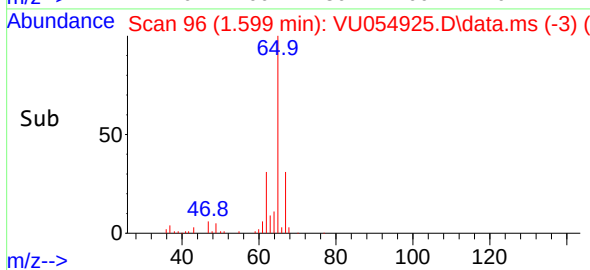
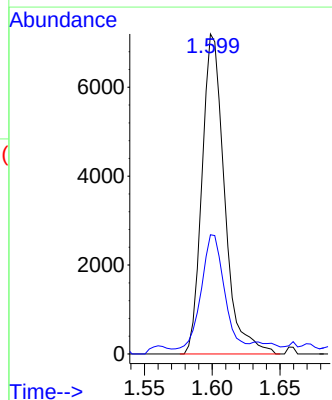
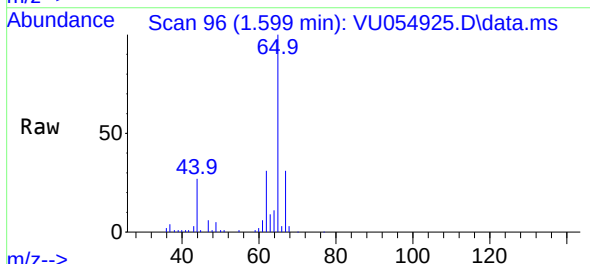
Instrument :
MSVOA_U
ClientSampleId :
C0AK6

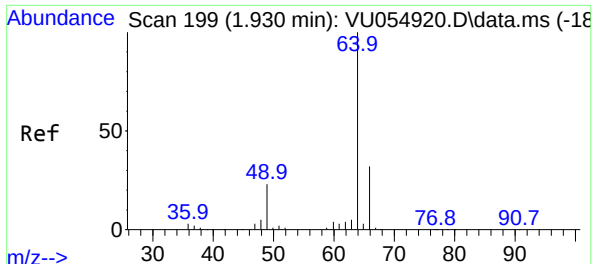
Tgt Ion: 50 Resp: 2277
Ion Ratio Lower Upper
50 100
52 37.6 23.4 43.6



#5
Vinyl chloride
Concen: 0.698 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

Tgt Ion: 62 Resp: 8316
Ion Ratio Lower Upper
62 100
64 37.3 22.7 42.1

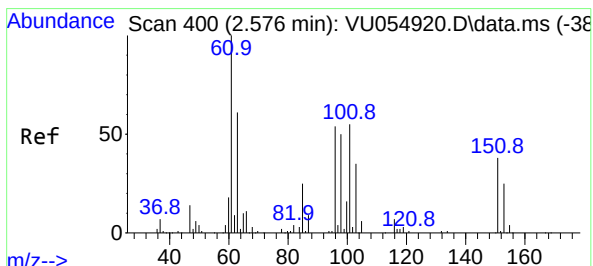
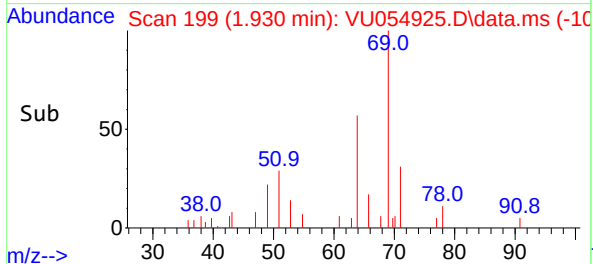
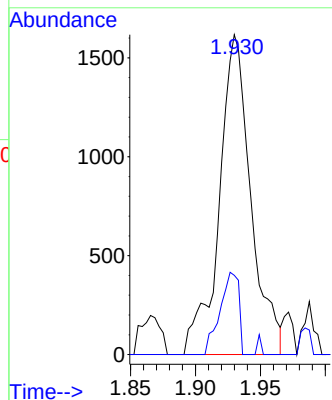
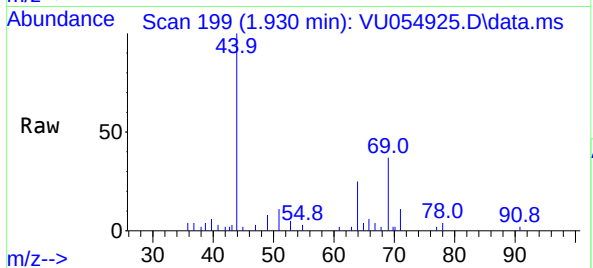




#8
Chloroethane
Concen: 0.349 ug/L
RT: 1.930 min Scan# 19
Delta R.T. -0.000 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

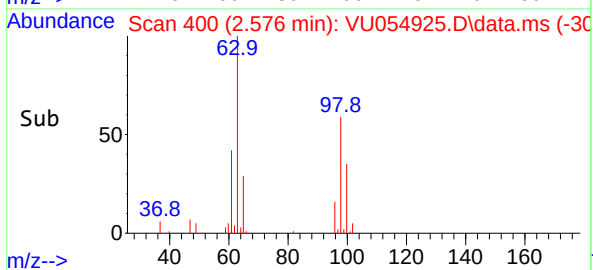
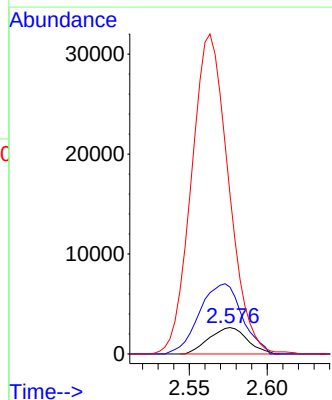
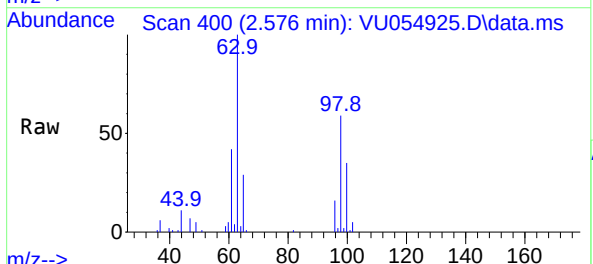
Instrument :
MSVOA_U
ClientSampleId :
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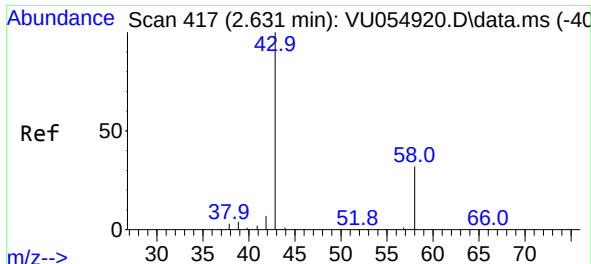
Tgt Ion: 64 Resp: 2738
Ion Ratio Lower Upper
64 100
66 24.8 21.5 39.9



#12
1,1-Dichloroethene
Concen: 0.560 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

Tgt Ion: 96 Resp: 4486
Ion Ratio Lower Upper
96 100
61 253.4 132.4 245.8#
63 606.7 82.5 153.1#





#13

Acetone

Concen: 9.134 ug/L

RT: 2.631 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU054925.D

Acq: 28 Aug 2023 15:45

Instrument :

MSVOA_U

ClientSampleId :

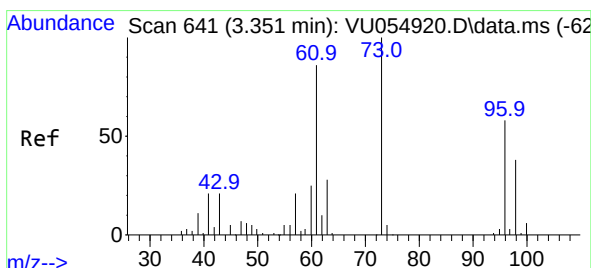
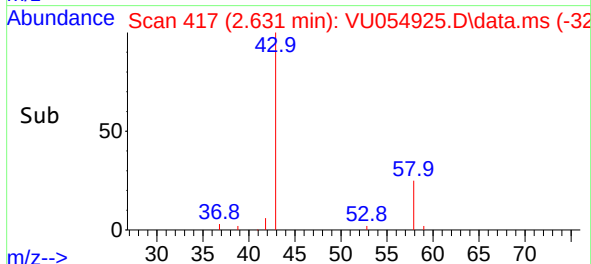
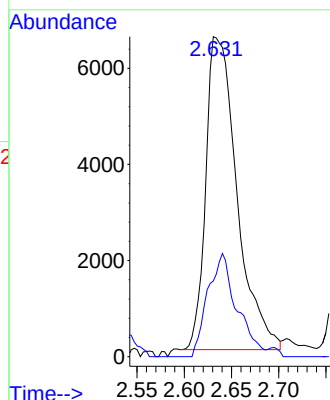
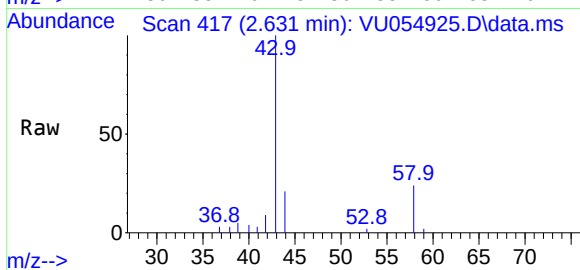
C0AK6

Tgt Ion: 43 Resp: 14935

Ion Ratio Lower Upper

43 100

58 30.6 0.0 64.4



#18

trans-1,2-Dichloroethene

Concen: 0.997 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.003 min

Lab File: VU054925.D

Acq: 28 Aug 2023 15:45

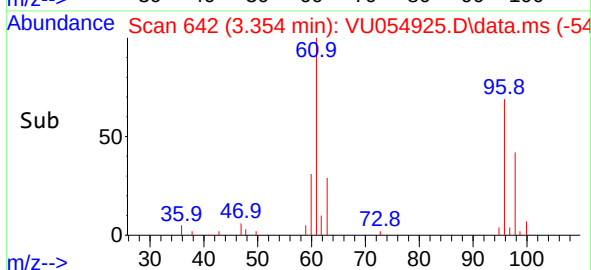
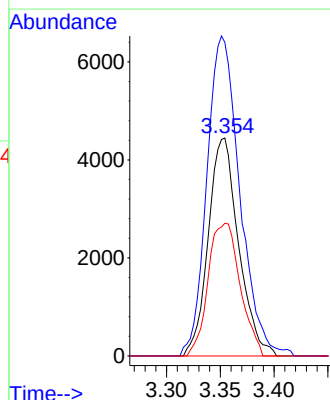
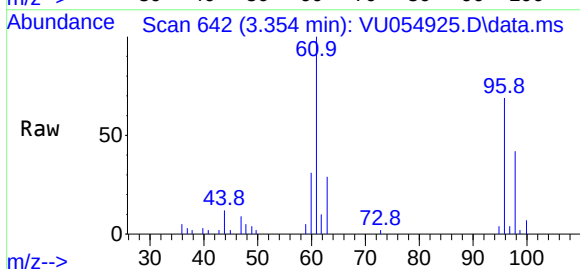
Tgt Ion: 96 Resp: 8731

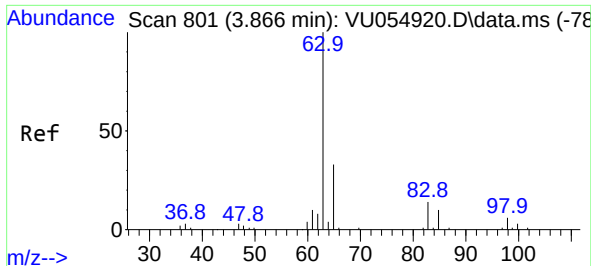
Ion Ratio Lower Upper

96 100

61 144.0 108.8 202.0

98 60.9 45.8 85.2

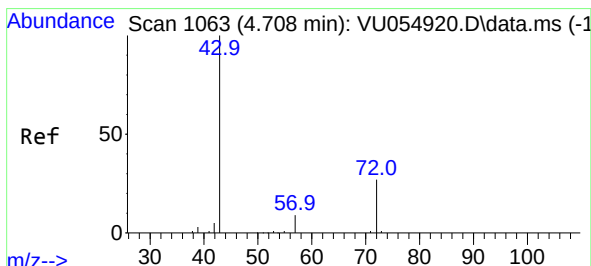
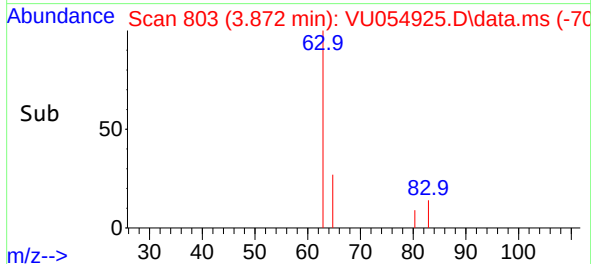
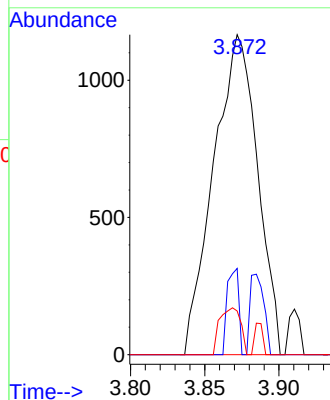
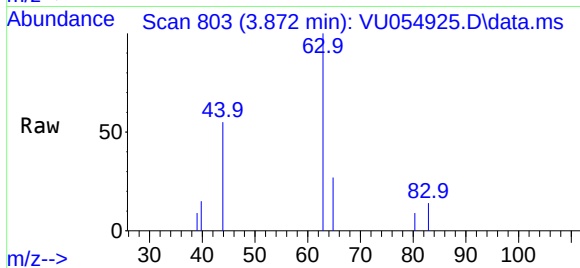




#19
1,1-Dichloroethane
Concen: 0.131 ug/L
RT: 3.872 min Scan# 801
Delta R.T. 0.006 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

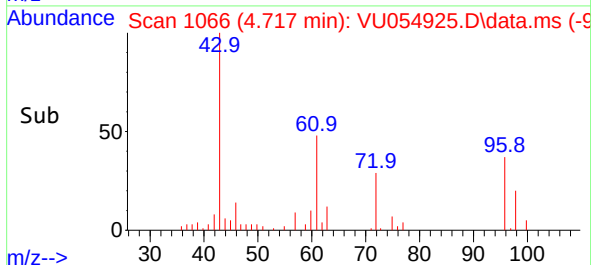
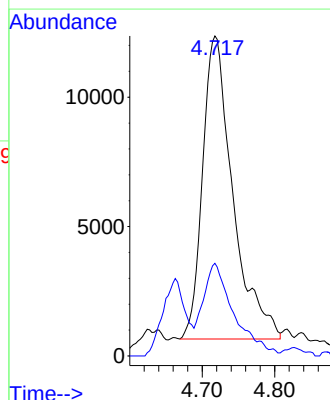
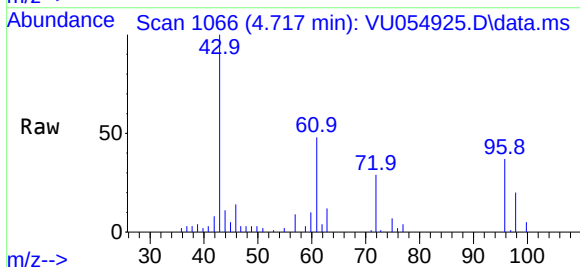
Instrument :
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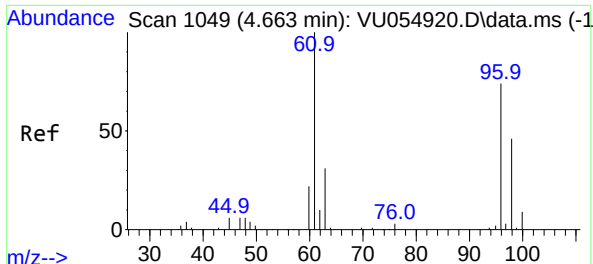
Tgt Ion: 63 Resp: 2404
Ion Ratio Lower Upper
63 100
65 26.9 22.5 41.7
83 13.6 9.5 17.7



#21
2-Butanone
Concen: 13.563 ug/L
RT: 4.717 min Scan# 1066
Delta R.T. 0.009 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

Tgt Ion: 43 Resp: 33981
Ion Ratio Lower Upper
43 100
72 31.4 14.1 42.3



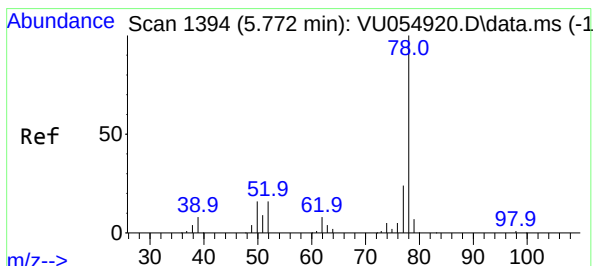
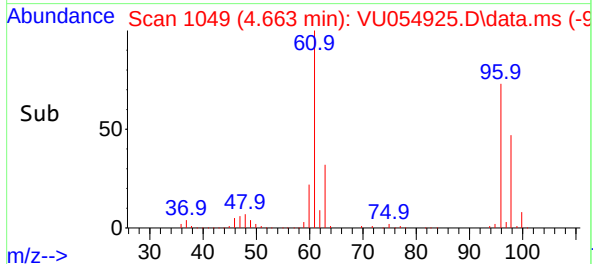
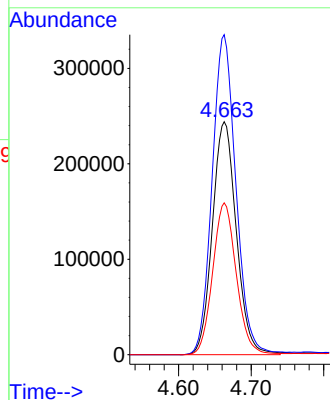
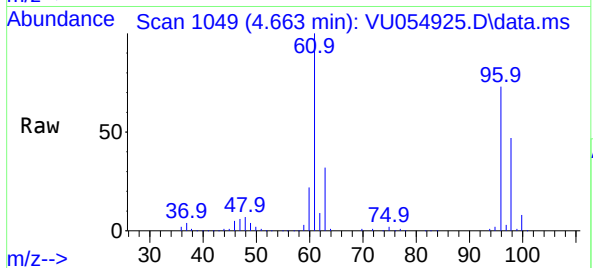


#22
 cis-1,2-Dichloroethene
 Concen: 53.588 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054925.D
 Acq: 28 Aug 2023 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK6

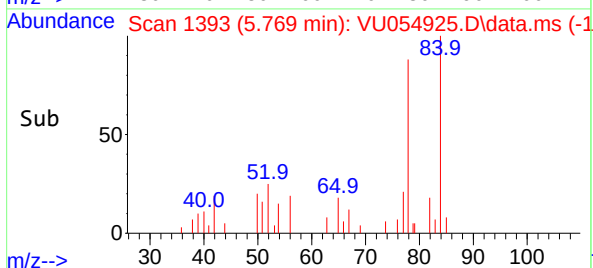
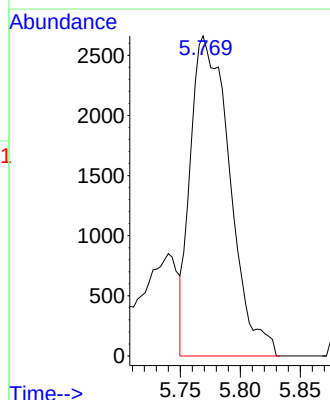
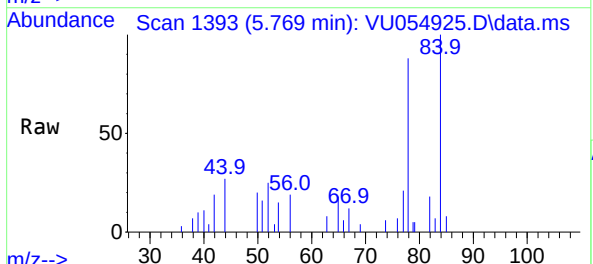
Tgt Ion: 96 Resp: 559749

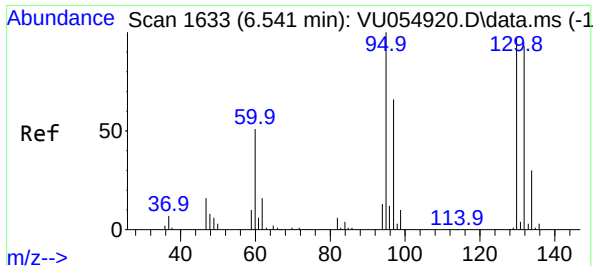
Ion	Ratio	Lower	Upper
96	100		
61	137.4	88.4	164.2
98	65.2	44.0	81.6



#33
 Benzene
 Concen: 0.148 ug/L
 RT: 5.769 min Scan# 1393
 Delta R.T. -0.003 min
 Lab File: VU054925.D
 Acq: 28 Aug 2023 15:45

Tgt Ion: 78 Resp: 6033



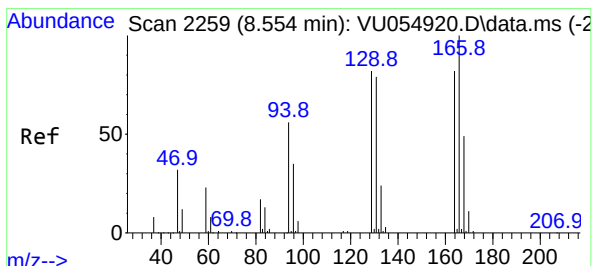
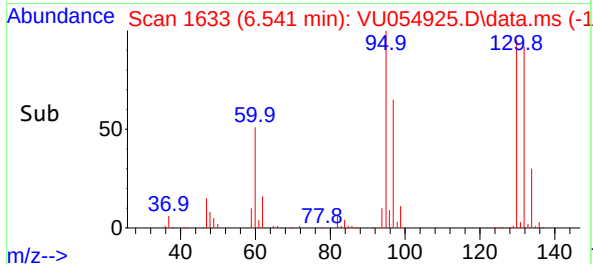
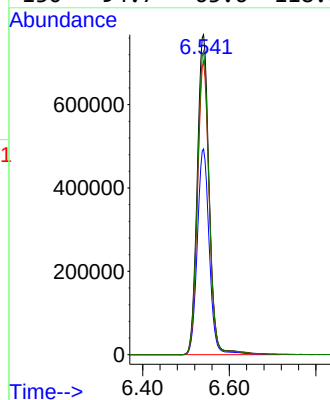
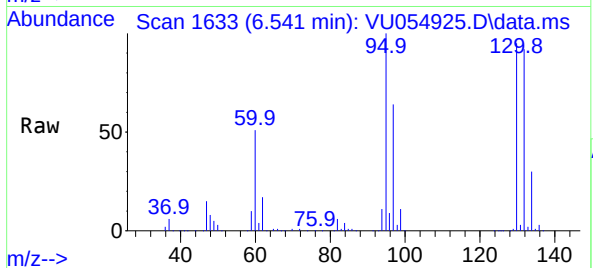


#34
Trichloroethene
Concen: 130.816 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054925.D
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Instrument :
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Tgt Ion: 95 Resp: 1479998

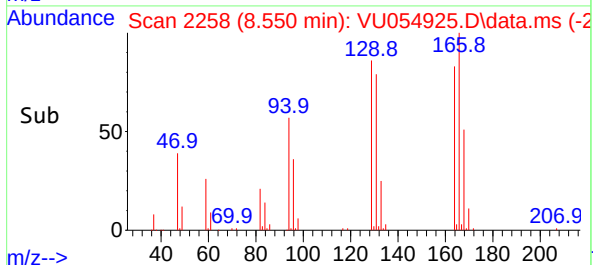
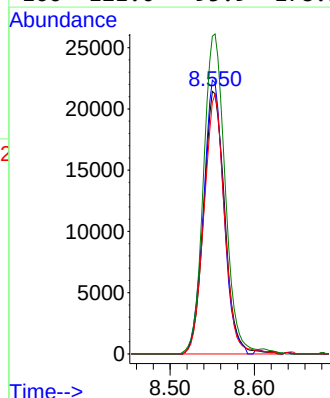
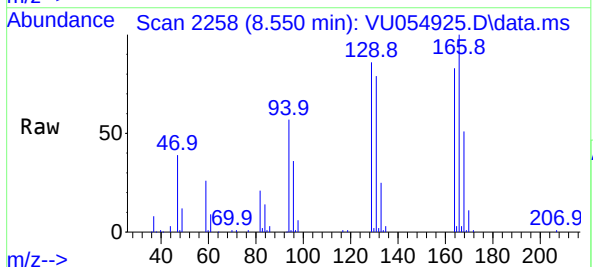
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.1	81.9
132	91.6	63.6	118.2
130	94.7	63.6	118.0

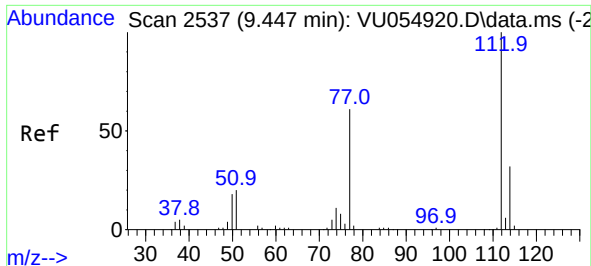


#47
Tetrachloroethene
Concen: 4.568 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.003 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

Tgt Ion: 164 Resp: 37136

Ion	Ratio	Lower	Upper
164	100		
129	104.3	72.8	135.2
131	95.9	70.7	131.3
166	121.0	95.9	178.1

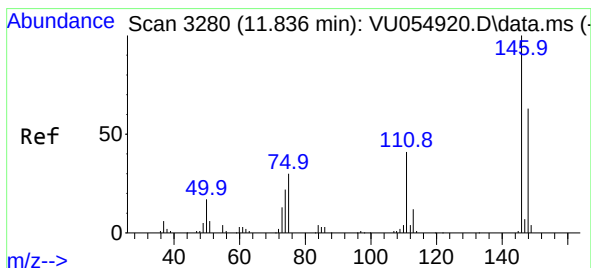
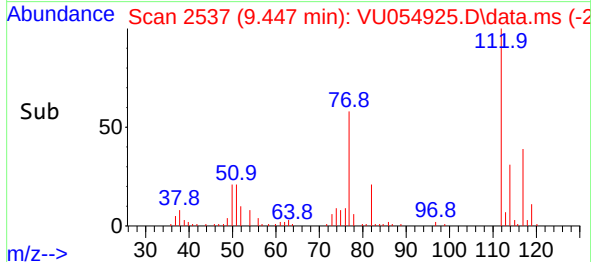
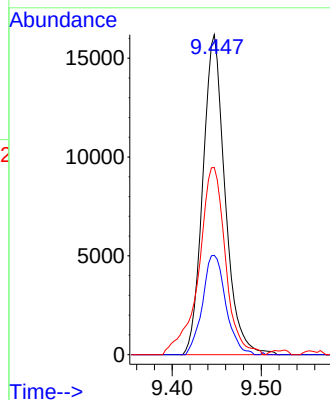
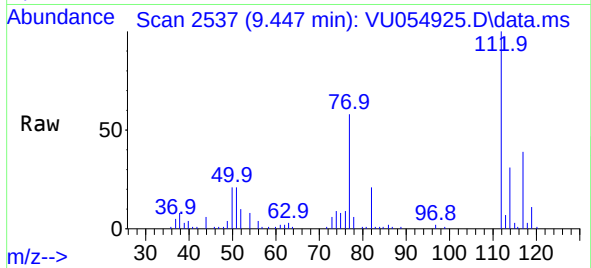




#51
Chlorobenzene
Concen: 0.951 ug/L
RT: 9.447 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

Instrument :
MSVOA_U
ClientSampleId :
C0AK6

Tgt Ion:112 Resp: 28025
Ion Ratio Lower Upper
112 100
114 31.0 23.4 43.4
77 58.5 49.3 73.9



#65
1,4-Dichlorobenzene
Concen: 0.249 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.003 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

Tgt Ion:146 Resp: 5386
Ion Ratio Lower Upper
146 100
111 35.7 29.9 55.5
148 76.2 44.7 83.1

