

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082823\
 Data File : VU054933.D
 Acq On : 28 Aug 2023 19:02
 Operator : MD/SY
 Sample : 04173-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COAL4

Quant Time: Aug 29 05:01:22 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)

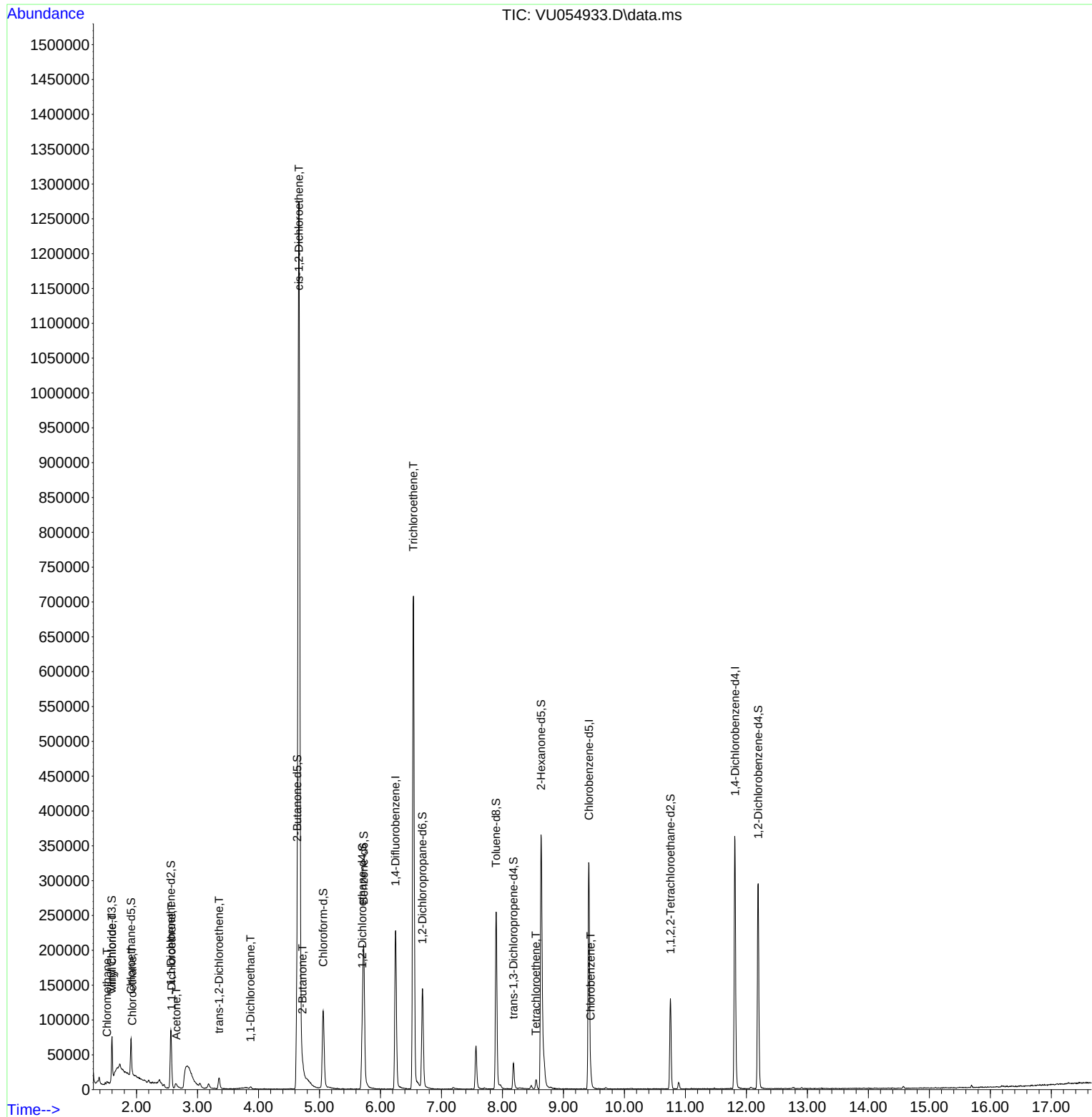
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	185871	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	179120	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	90719	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	26902	4.586	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.800%
7) Chloroethane-d5	1.911	69	35927	4.740	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.800%
11) 1,1-Dichloroethene-d2	2.563	65	15065	4.544	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	4.634	46	191982	60.626	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.260%
24) Chloroform-d	5.062	84	102802	4.724	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.701	65	59571	5.144	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	5.727	84	189107	4.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.688	67	68793	4.858	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.897	98	171151	4.439	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	8.180	79	21941	4.708	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.634	63	123755	55.949	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.900%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	62919	5.181	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	73396	5.067	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	2520	0.210	ug/L	93
5) Vinyl chloride	1.599	62	19093	1.531	ug/L #	69
8) Chloroethane	1.930	64	4949	0.603	ug/L #	62
12) 1,1-Dichloroethene	2.576	96	3739	0.445	ug/L #	1
13) Acetone	2.653	43	13262	7.748	ug/L	95
18) trans-1,2-Dichloroethene	3.354	96	6966	0.760	ug/L	83
19) 1,1-Dichloroethane	3.869	63	4026	0.209	ug/L #	86
21) 2-Butanone	4.721	43	31190	11.892	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	621174	56.808	ug/L	93
34) Trichloroethene	6.541	95	236624	20.206	ug/L	96
47) Tetrachloroethene	8.550	164	2613	0.311	ug/L	93
51) Chlorobenzene	9.447	112	8505	0.279	ug/L	94

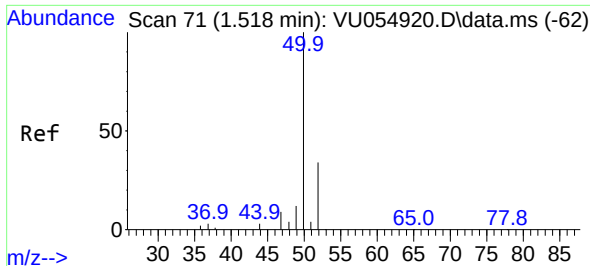
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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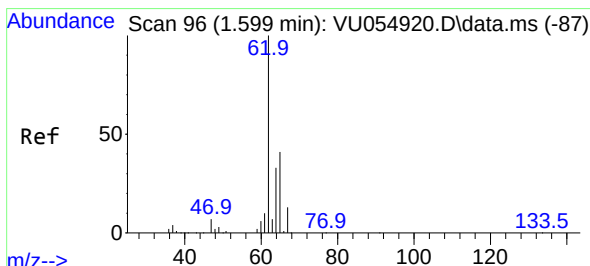
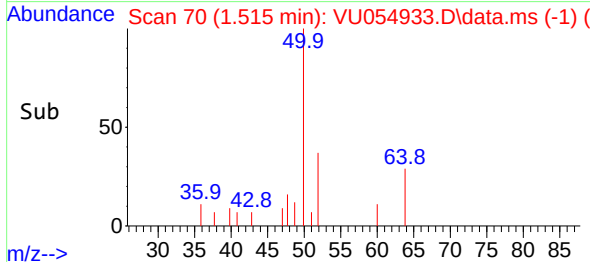
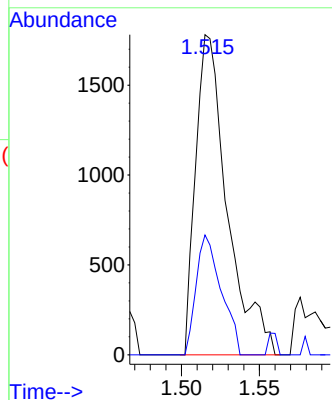
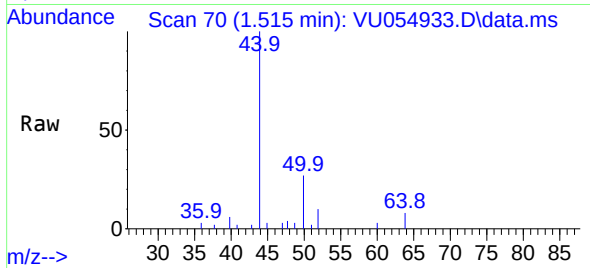




#3
Chloromethane
Concen: 0.210 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02

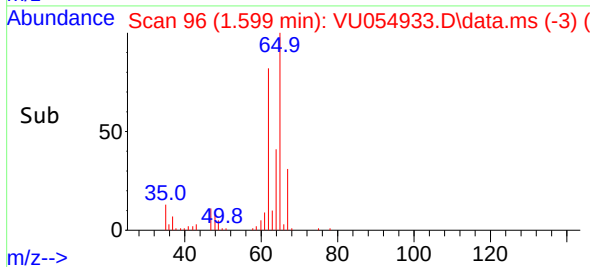
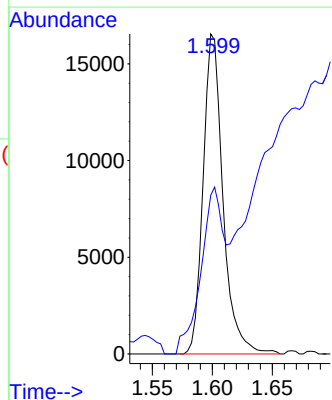
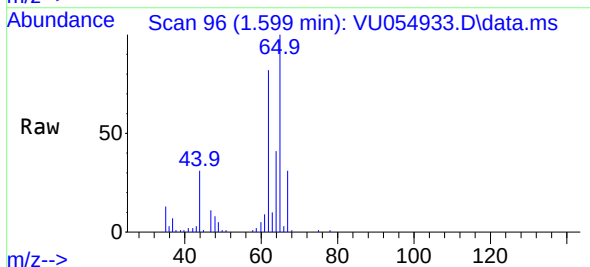
Instrument :
MSVOA_U
ClientSampleId :
C0AL4

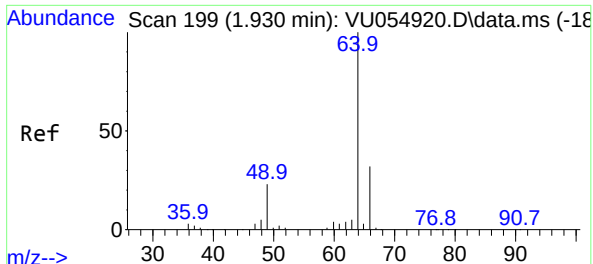
Tgt Ion: 50 Resp: 2520
Ion Ratio Lower Upper
50 100
52 37.4 23.4 43.6



#5
Vinyl chloride
Concen: 1.531 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02

Tgt Ion: 62 Resp: 19093
Ion Ratio Lower Upper
62 100
64 49.6 22.7 42.1#

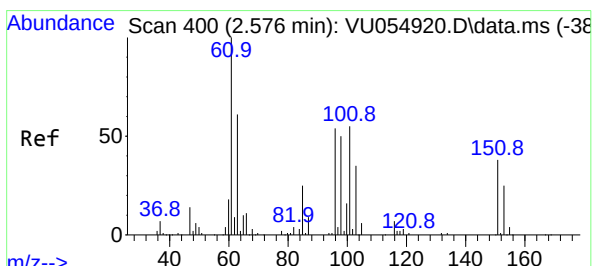
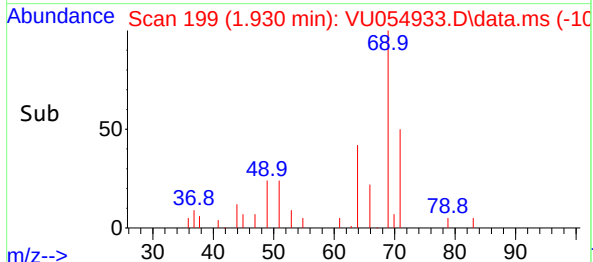
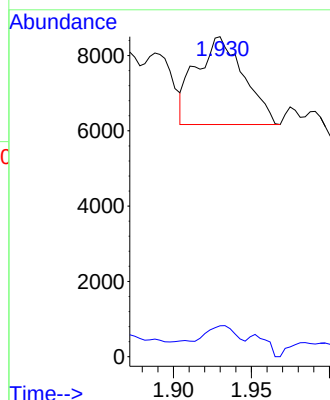
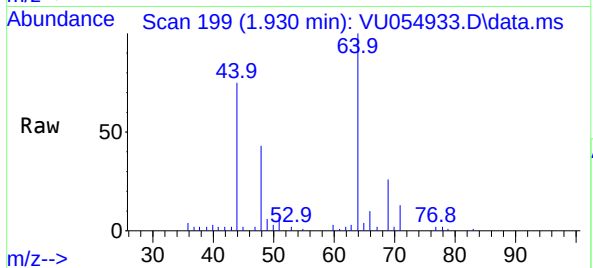




#8
Chloroethane
Concen: 0.603 ug/L
RT: 1.930 min Scan# 19
Delta R.T. -0.000 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02

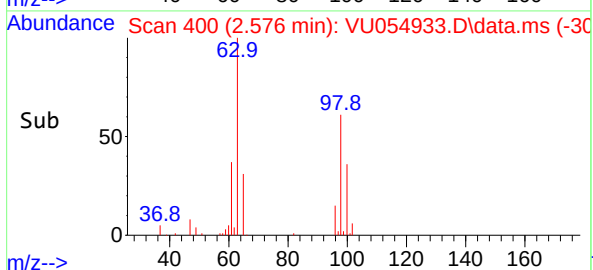
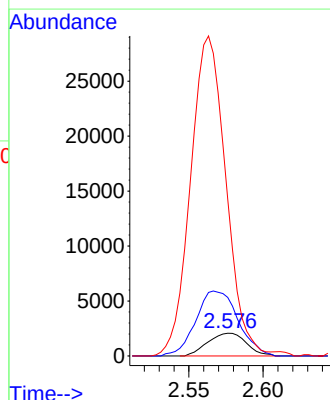
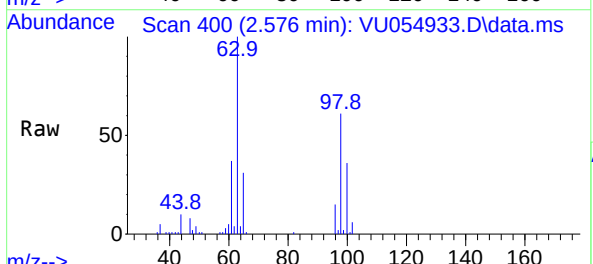
Instrument :
MSVOA_U
ClientSampleId :
COAL4

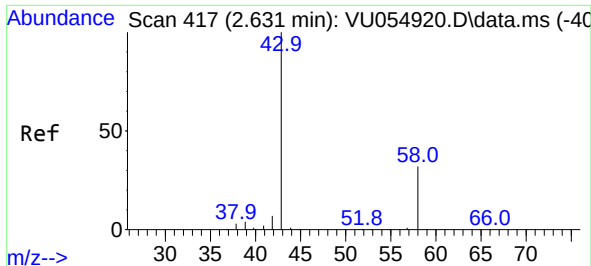
Tgt Ion: 64 Resp: 4949
Ion Ratio Lower Upper
64 100
66 9.7 21.5 39.9#



#12
1,1-Dichloroethene
Concen: 0.445 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02

Tgt Ion: 96 Resp: 3739
Ion Ratio Lower Upper
96 100
61 257.2 132.4 245.8#
63 689.2 82.5 153.1#





#13

Acetone

Concen: 7.748 ug/L

RT: 2.653 min Scan# 41

Delta R.T. 0.022 min

Lab File: VU054933.D

Acq: 28 Aug 2023 19:02

Instrument :

MSVOA_U

ClientSampleId :

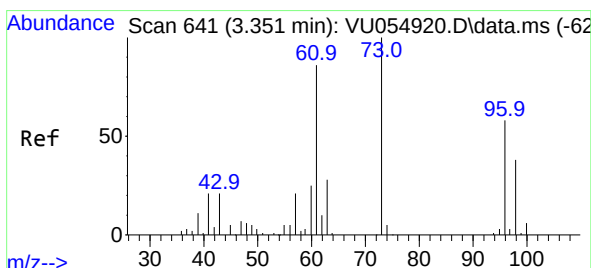
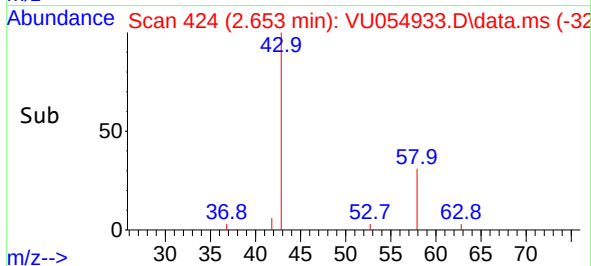
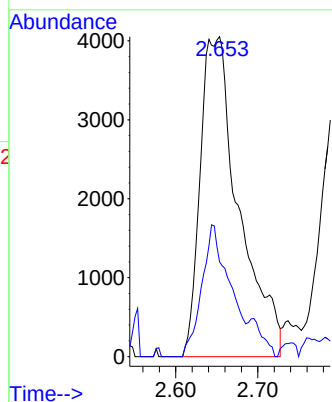
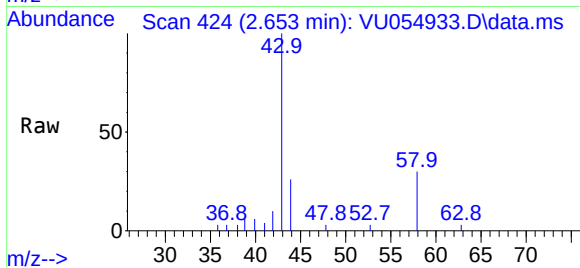
COAL4

Tgt Ion: 43 Resp: 13262

Ion Ratio Lower Upper

43 100

58 29.5 0.0 64.4



#18

trans-1,2-Dichloroethene

Concen: 0.760 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.003 min

Lab File: VU054933.D

Acq: 28 Aug 2023 19:02

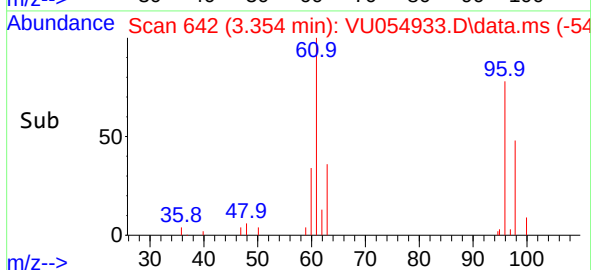
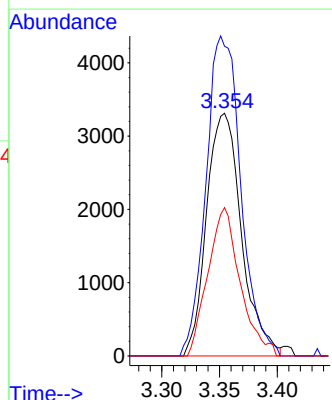
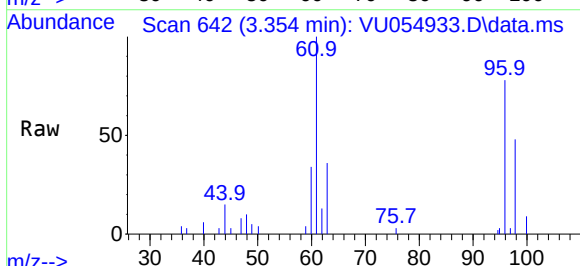
Tgt Ion: 96 Resp: 6966

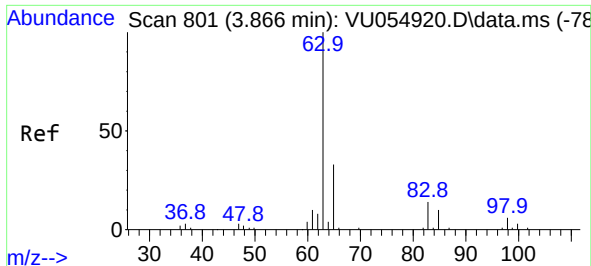
Ion Ratio Lower Upper

96 100

61 127.6 108.8 202.0

98 61.1 45.8 85.2

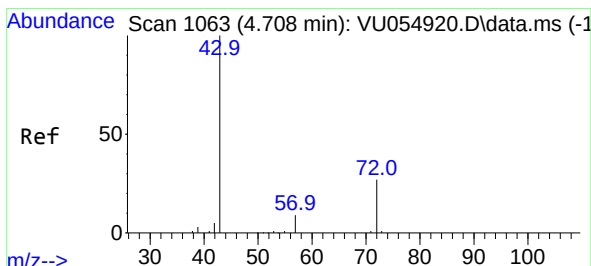
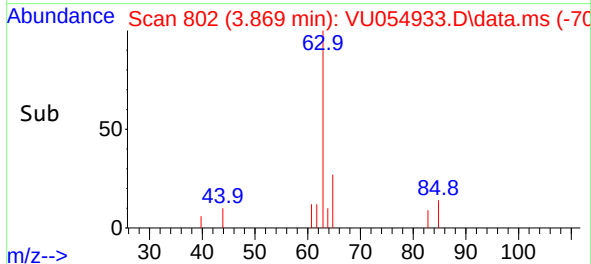
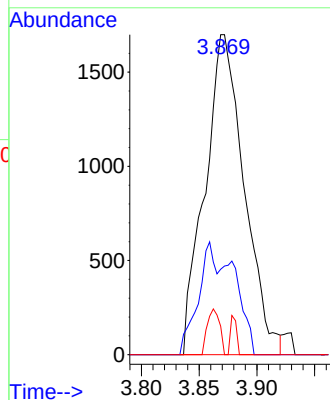
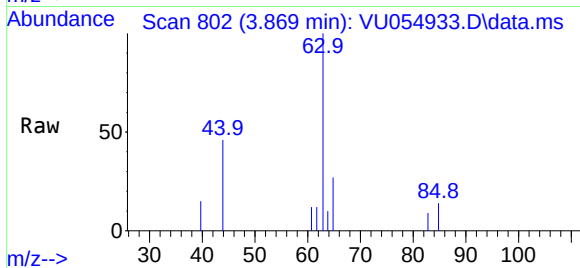




#19
1,1-Dichloroethane
Concen: 0.209 ug/L
RT: 3.869 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02

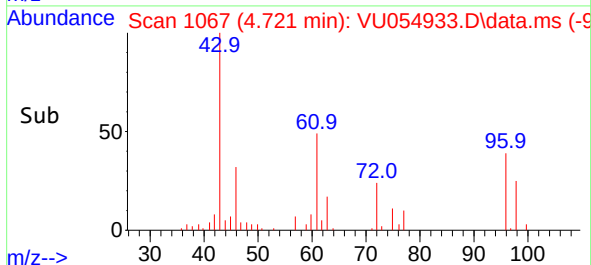
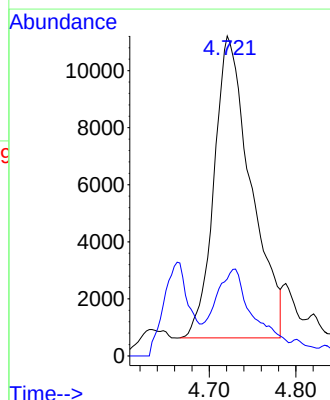
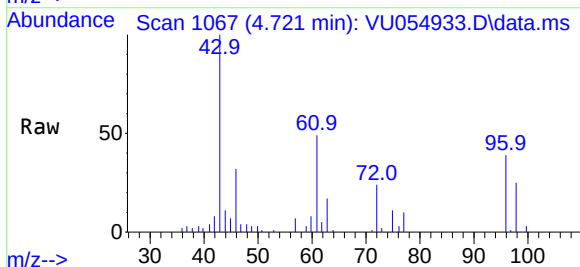
Instrument :
MSVOA_U
ClientSampleId :
COAL4

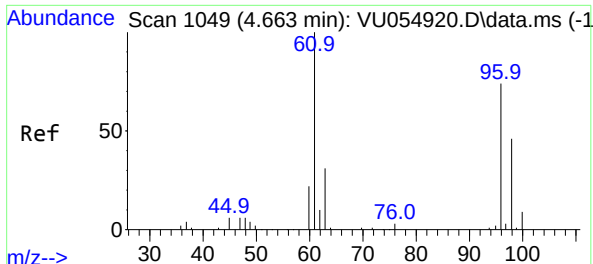
Tgt Ion: 63 Resp: 4026
Ion Ratio Lower Upper
63 100
65 24.3 22.5 41.7
83 8.1 9.5 17.7#



#21
2-Butanone
Concen: 11.892 ug/L
RT: 4.721 min Scan# 1067
Delta R.T. 0.013 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02

Tgt Ion: 43 Resp: 31190
Ion Ratio Lower Upper
43 100
72 28.4 14.1 42.3



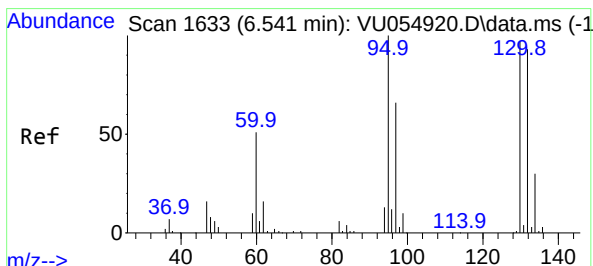
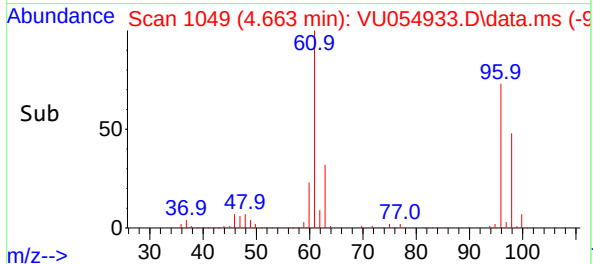
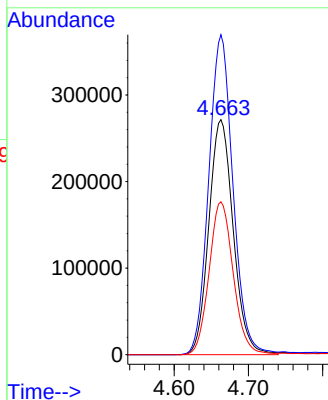
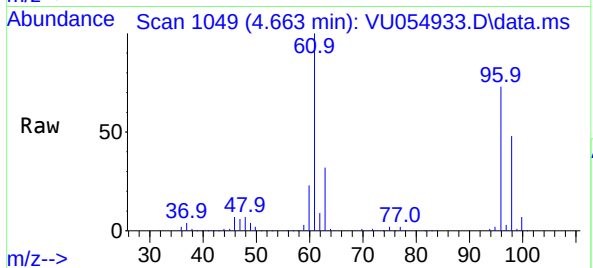


#22
 cis-1,2-Dichloroethene
 Concen: 56.808 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054933.D
 Acq: 28 Aug 2023 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AL4

Tgt Ion: 96 Resp: 621174

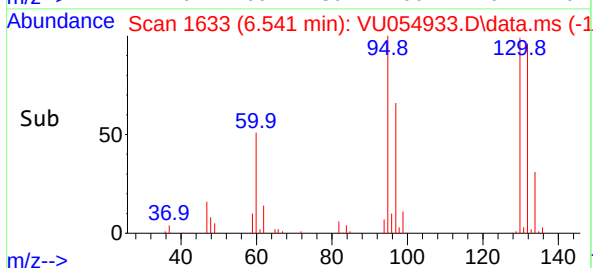
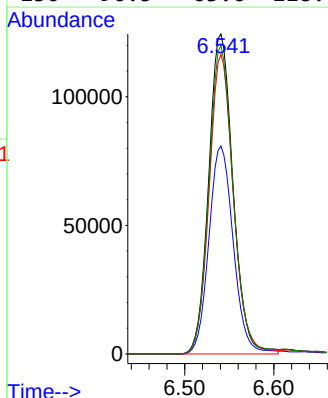
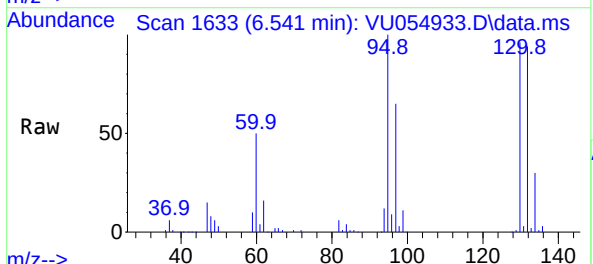
Ion	Ratio	Lower	Upper
96	100		
61	136.2	88.4	164.2
98	65.1	44.0	81.6

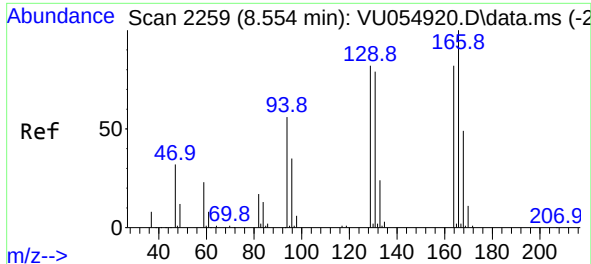


#34
 Trichloroethene
 Concen: 20.206 ug/L
 RT: 6.541 min Scan# 1633
 Delta R.T. -0.000 min
 Lab File: VU054933.D
 Acq: 28 Aug 2023 19:02

Tgt Ion: 95 Resp: 236624

Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.1	81.9
132	93.6	63.6	118.2
130	96.5	63.6	118.0





#47

Tetrachloroethene

Concen: 0.311 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU054933.D

Acq: 28 Aug 2023 19:02

Instrument :

MSVOA_U

ClientSampleId :

COAL4

Tgt Ion:164 Resp: 2613

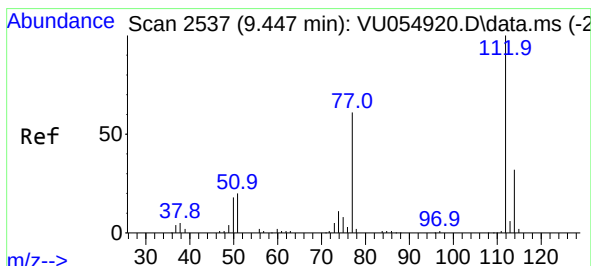
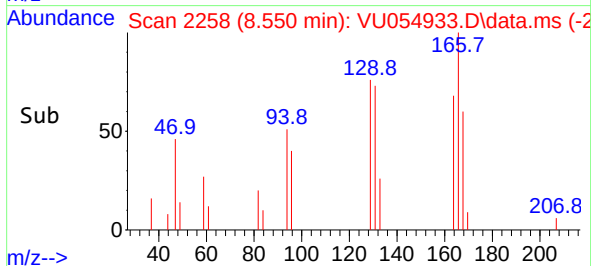
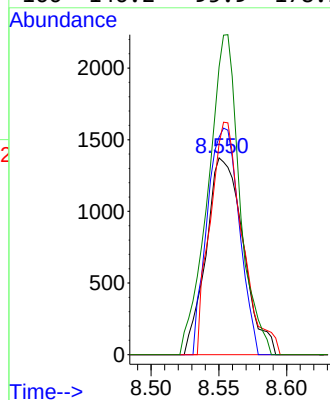
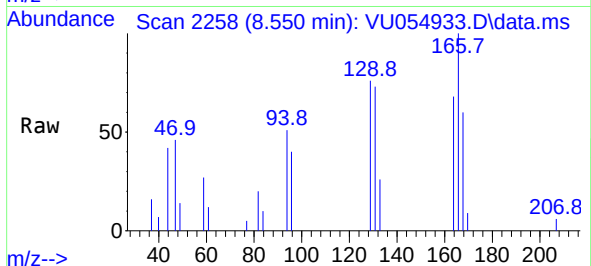
Ion Ratio Lower Upper

164 100

129 110.5 72.8 135.2

131 107.2 70.7 131.3

166 146.2 95.9 178.1



#51

Chlorobenzene

Concen: 0.279 ug/L

RT: 9.447 min Scan# 2537

Delta R.T. -0.000 min

Lab File: VU054933.D

Acq: 28 Aug 2023 19:02

Tgt Ion:112 Resp: 8505

Ion Ratio Lower Upper

112 100

114 31.3 23.4 43.4

77 55.8 49.3 73.9

