

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082823\
 Data File : VU054938.D
 Acq On : 28 Aug 2023 21:05
 Operator : MD/SY
 Sample : 04173-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COAL9

Quant Time: Aug 29 05:02:50 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)

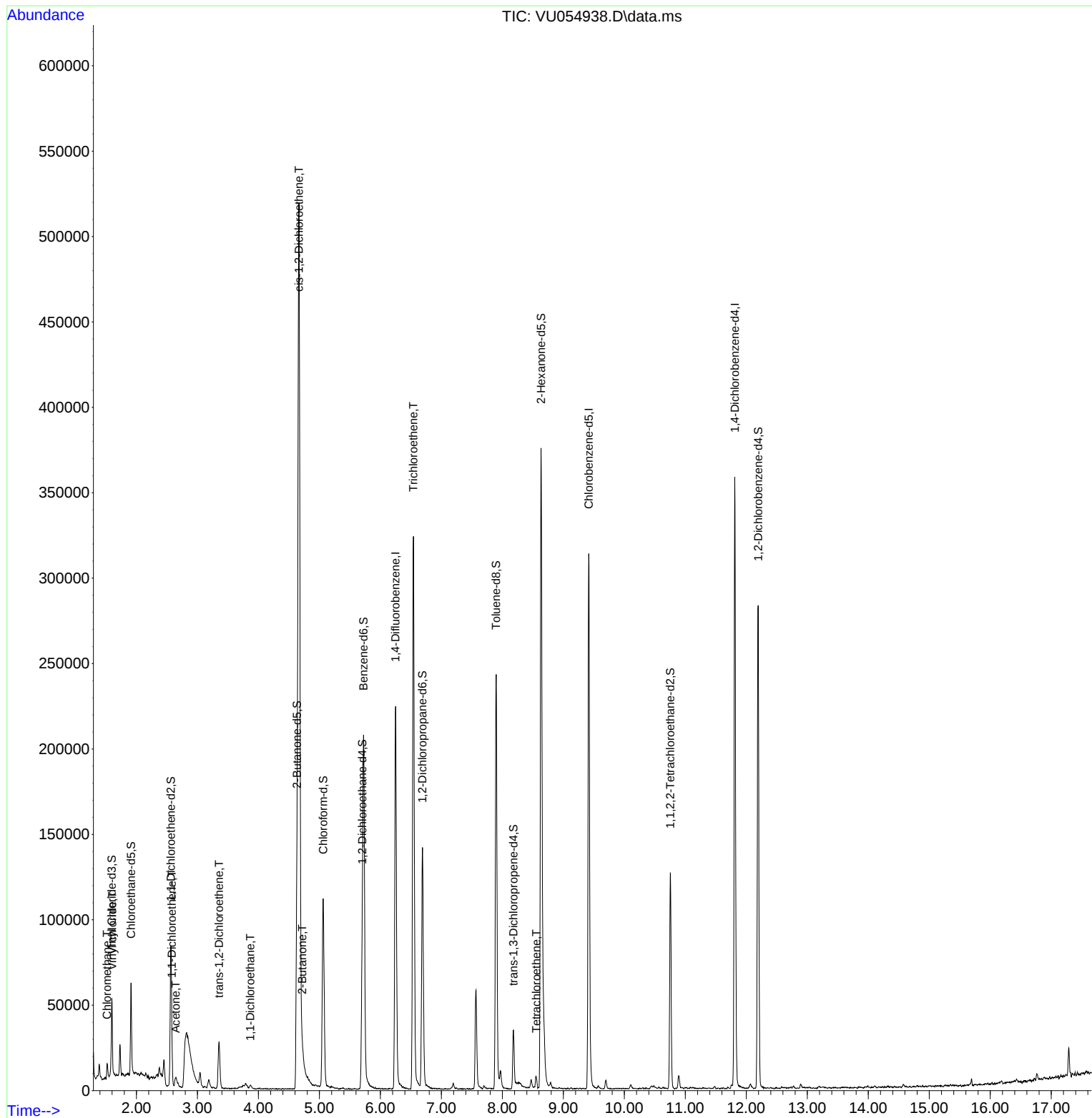
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	175699	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	169825	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	88286	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	25068	4.521	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.400%
7) Chloroethane-d5	1.911	69	34830	4.862	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.563	65	14969	4.776	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.600%
20) 2-Butanone-d5	4.631	46	186171	62.195	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.380%
24) Chloroform-d	5.062	84	99743	4.849	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.702	65	56704	5.180	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.724	84	186454	4.884	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
36) 1,2-Dichloropropane-d6	6.689	67	66595	4.960	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.898	98	167600	4.584	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	8.181	79	19904	4.505	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.634	63	128679	61.359	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.720%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	60795	5.281	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	70325	4.989	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.800%
Target Compounds						Qvalue
3) Chloromethane	1.518	50	6614	0.582	ug/L	89
5) Vinyl chloride	1.602	62	5099	0.432	ug/L #	77
12) 1,1-Dichloroethene	2.579	96	4035	0.509	ug/L #	1
13) Acetone	2.644	43	10843	6.701	ug/L	86
18) trans-1,2-Dichloroethene	3.354	96	11102	1.281	ug/L	86
19) 1,1-Dichloroethane	3.866	63	2585	0.142	ug/L	95
21) 2-Butanone	4.718	43	25392	10.242	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	242611	23.472	ug/L	93
34) Trichloroethene	6.541	95	109286	9.843	ug/L	98
47) Tetrachloroethene	8.557	164	1517	0.190	ug/L	76

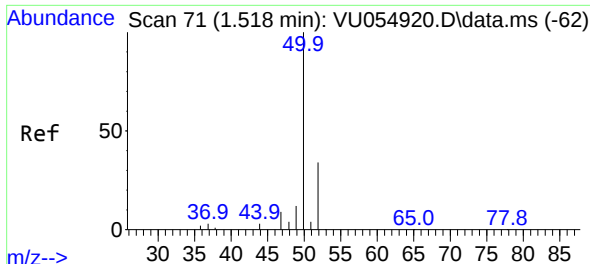
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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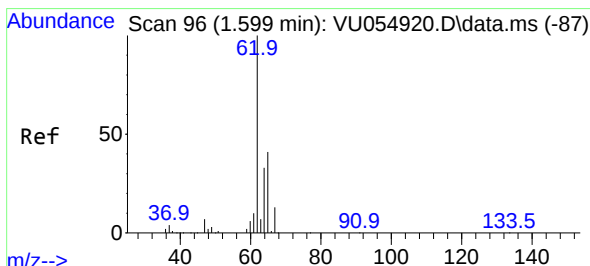
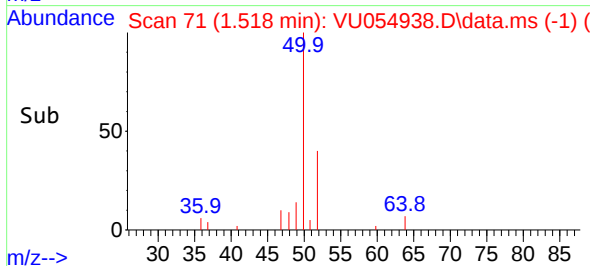
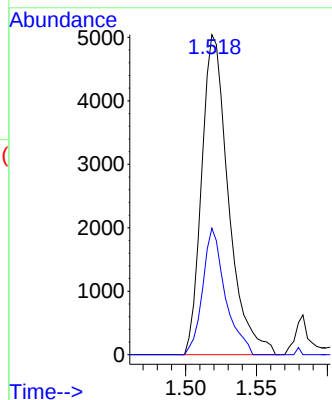
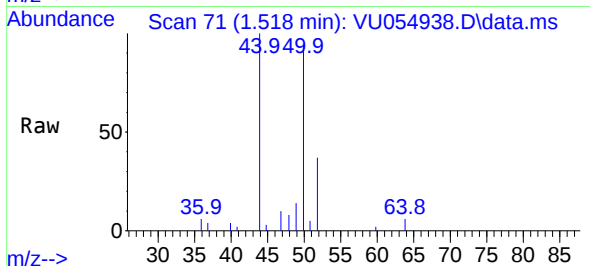




#3
Chloromethane
Concen: 0.582 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU054938.D
Acq: 28 Aug 2023 21:05

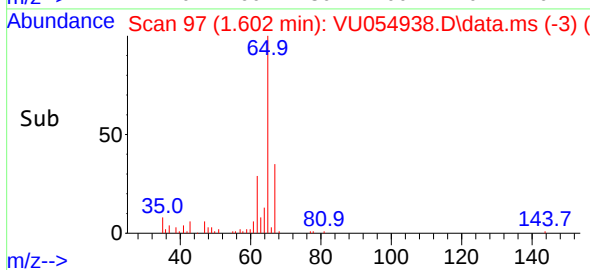
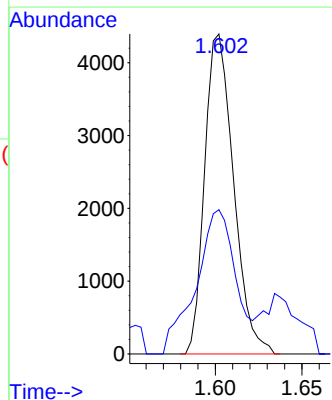
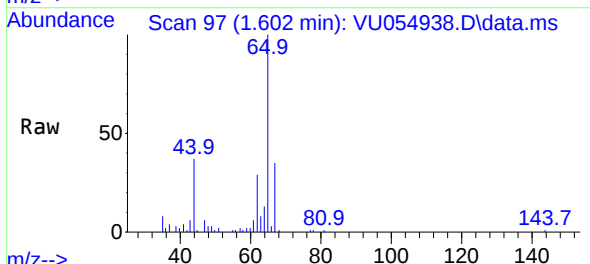
Instrument :
MSVOA_U
ClientSampleId :
COAL9

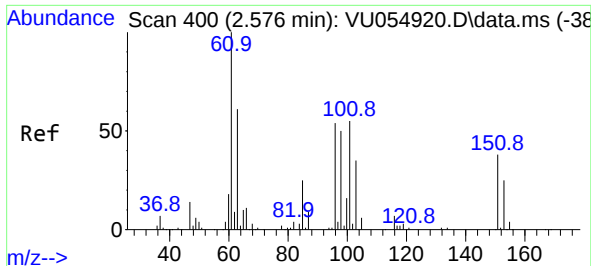
Tgt Ion: 50 Resp: 6614
Ion Ratio Lower Upper
50 100
52 39.5 23.4 43.6



#5
Vinyl chloride
Concen: 0.432 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.003 min
Lab File: VU054938.D
Acq: 28 Aug 2023 21:05

Tgt Ion: 62 Resp: 5099
Ion Ratio Lower Upper
62 100
64 45.1 22.7 42.1#

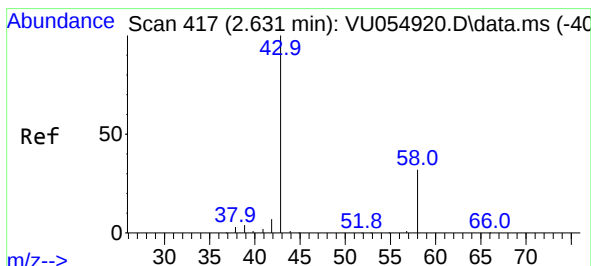
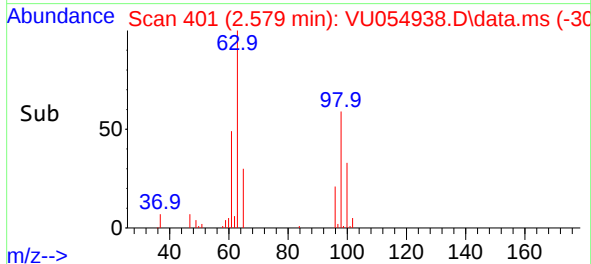
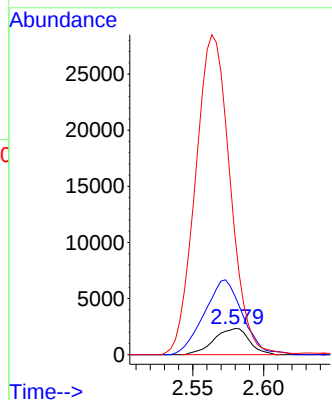
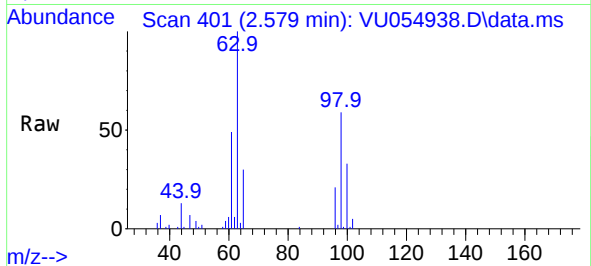




#12
1,1-Dichloroethene
Concen: 0.509 ug/L
RT: 2.579 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU054938.D
Acq: 28 Aug 2023 21:05

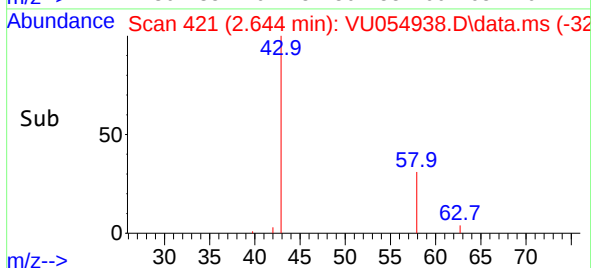
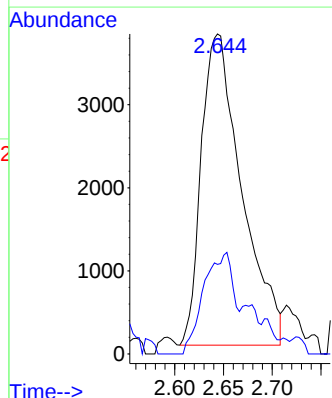
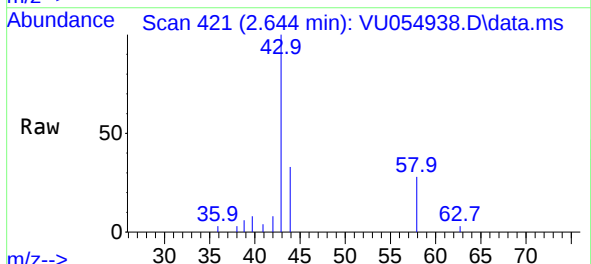
Instrument :
MSVOA_U
ClientSampleId :
COAL9

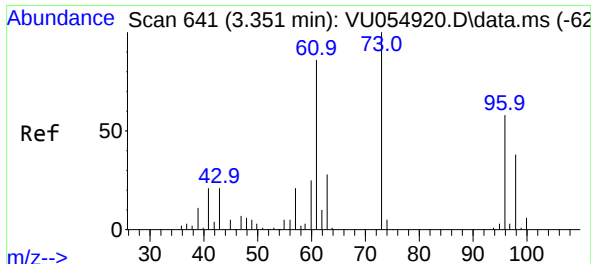
Tgt Ion: 96 Resp: 4035
Ion Ratio Lower Upper
96 100
61 227.9 132.4 245.8
63 469.8 82.5 153.1#



#13
Acetone
Concen: 6.701 ug/L
RT: 2.644 min Scan# 421
Delta R.T. 0.013 min
Lab File: VU054938.D
Acq: 28 Aug 2023 21:05

Tgt Ion: 43 Resp: 10843
Ion Ratio Lower Upper
43 100
58 24.3 0.0 64.4

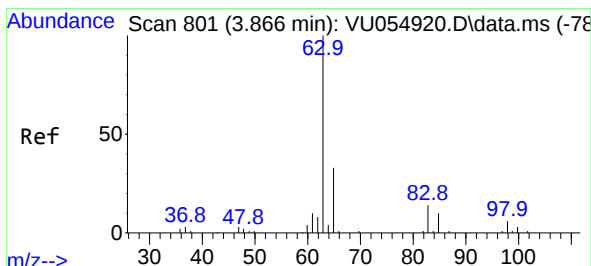
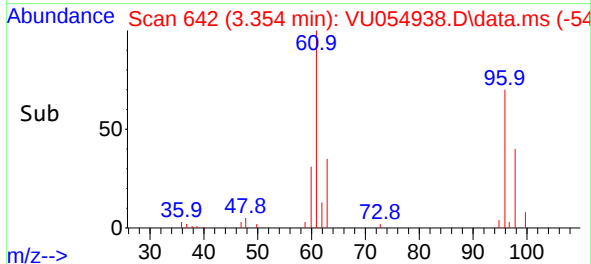
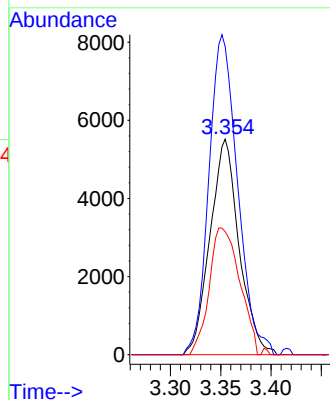
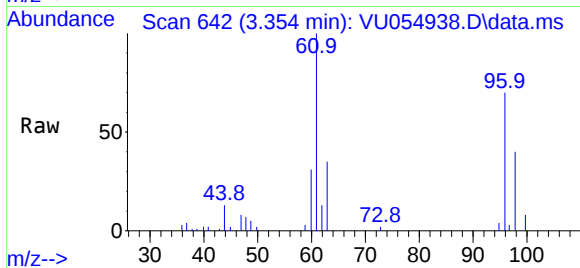




#18
trans-1,2-Dichloroethene
Concen: 1.281 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054938.D
Acq: 28 Aug 2023 21:05

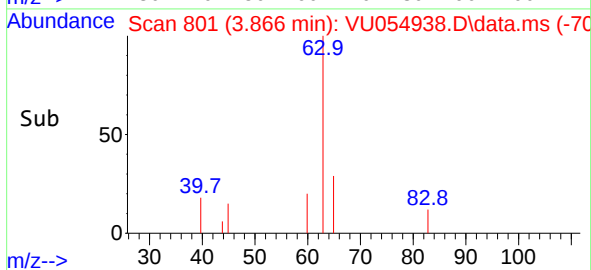
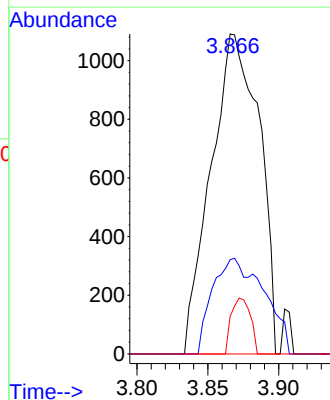
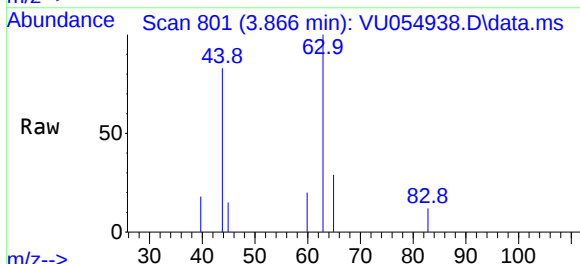
Instrument :
MSVOA_U
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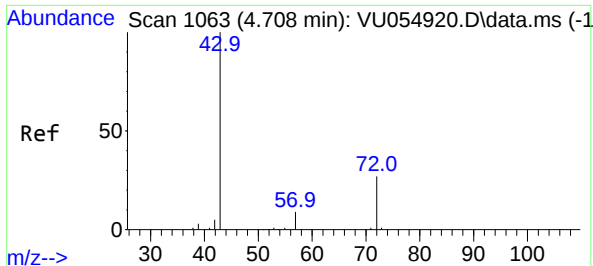
Tgt Ion: 96 Resp: 11102
Ion Ratio Lower Upper
96 100
61 137.6 108.8 202.0
98 55.0 45.8 85.2



#19
1,1-Dichloroethane
Concen: 0.142 ug/L
RT: 3.866 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU054938.D
Acq: 28 Aug 2023 21:05

Tgt Ion: 63 Resp: 2585
Ion Ratio Lower Upper
63 100
65 29.4 22.5 41.7
83 11.7 9.5 17.7

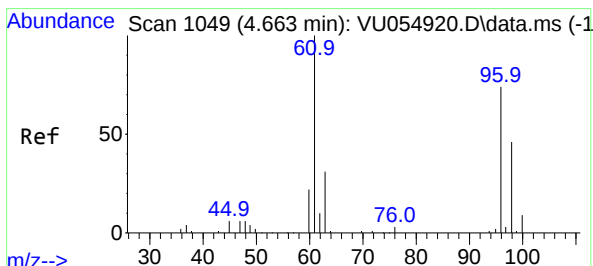
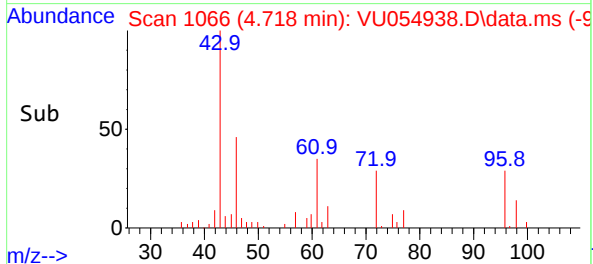
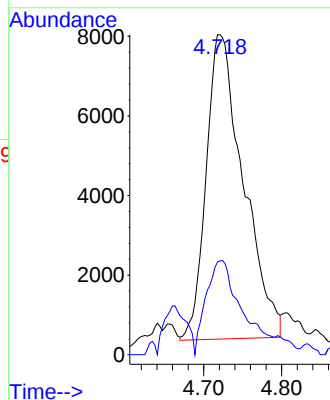
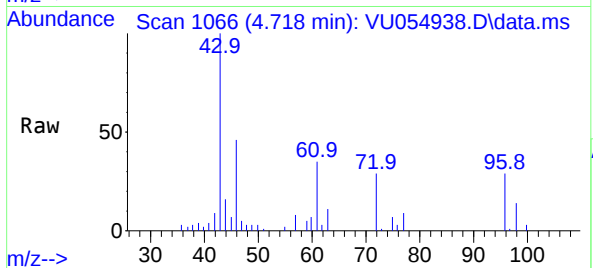




#21
2-Butanone
Concen: 10.242 ug/L
RT: 4.718 min Scan# 1066
Delta R.T. 0.010 min
Lab File: VU054938.D
Acq: 28 Aug 2023 21:05

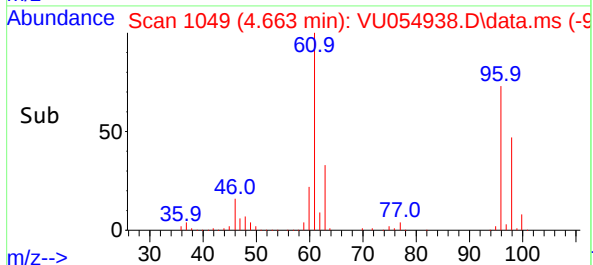
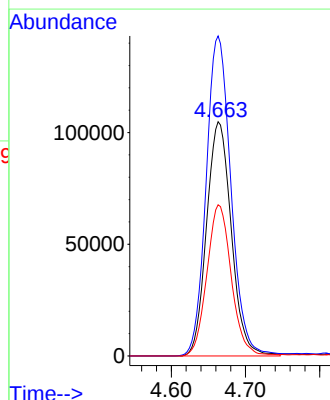
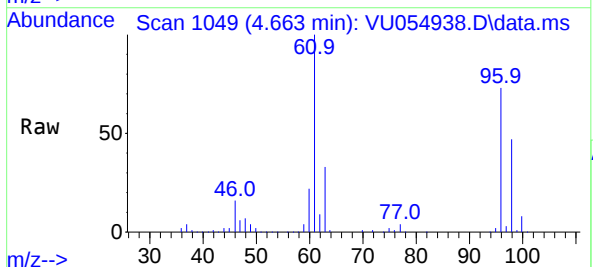
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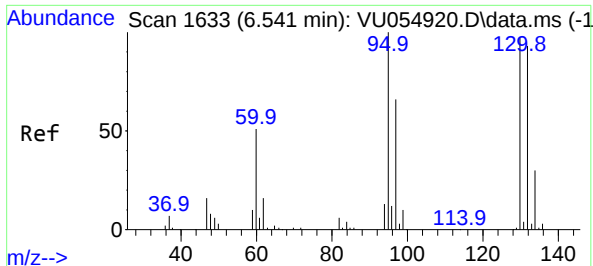
Tgt Ion: 43 Resp: 25392
Ion Ratio Lower Upper
43 100
72 30.1 14.1 42.3



#22
cis-1,2-Dichloroethene
Concen: 23.472 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU054938.D
Acq: 28 Aug 2023 21:05

Tgt Ion: 96 Resp: 242611
Ion Ratio Lower Upper
96 100
61 136.6 88.4 164.2
98 64.6 44.0 81.6



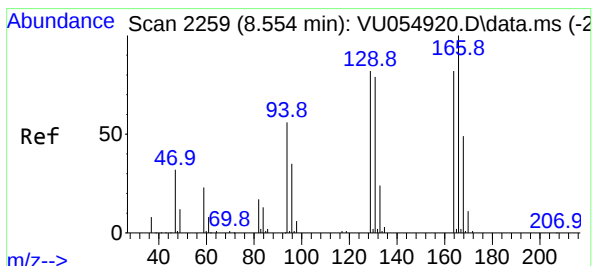
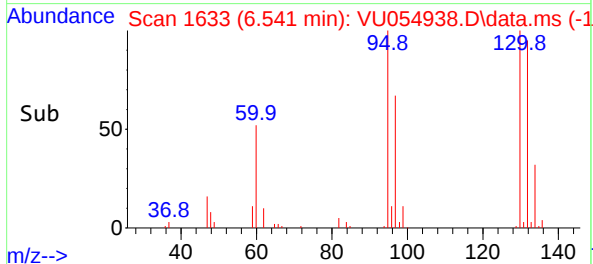
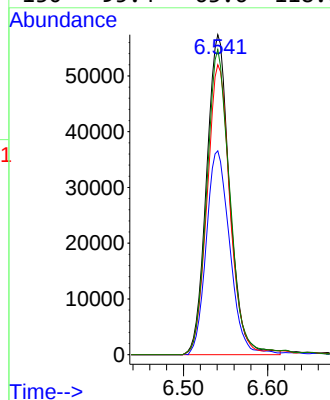
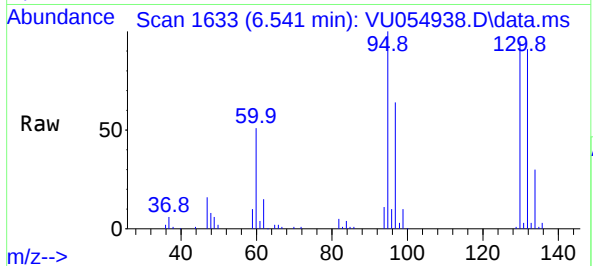


#34
Trichloroethene
Concen: 9.843 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054938.D
Acq: 28 Aug 2023 21:05

Instrument :
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ClientSampleId :
COAL9

Tgt Ion: 95 Resp: 109286

Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.1	81.9
132	90.6	63.6	118.2
130	95.4	63.6	118.0



#47
Tetrachloroethene
Concen: 0.190 ug/L
RT: 8.557 min Scan# 2260
Delta R.T. 0.003 min
Lab File: VU054938.D
Acq: 28 Aug 2023 21:05

Tgt Ion: 164 Resp: 1517

Ion	Ratio	Lower	Upper
164	100		
129	80.9	72.8	135.2
131	74.4	70.7	131.3
166	108.7	95.9	178.1

