

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082823\
 Data File : VU054931.D
 Acq On : 28 Aug 2023 18:13
 Operator : MD/SY
 Sample : 04173-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AL2

Quant Time: Aug 29 05:00:50 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)

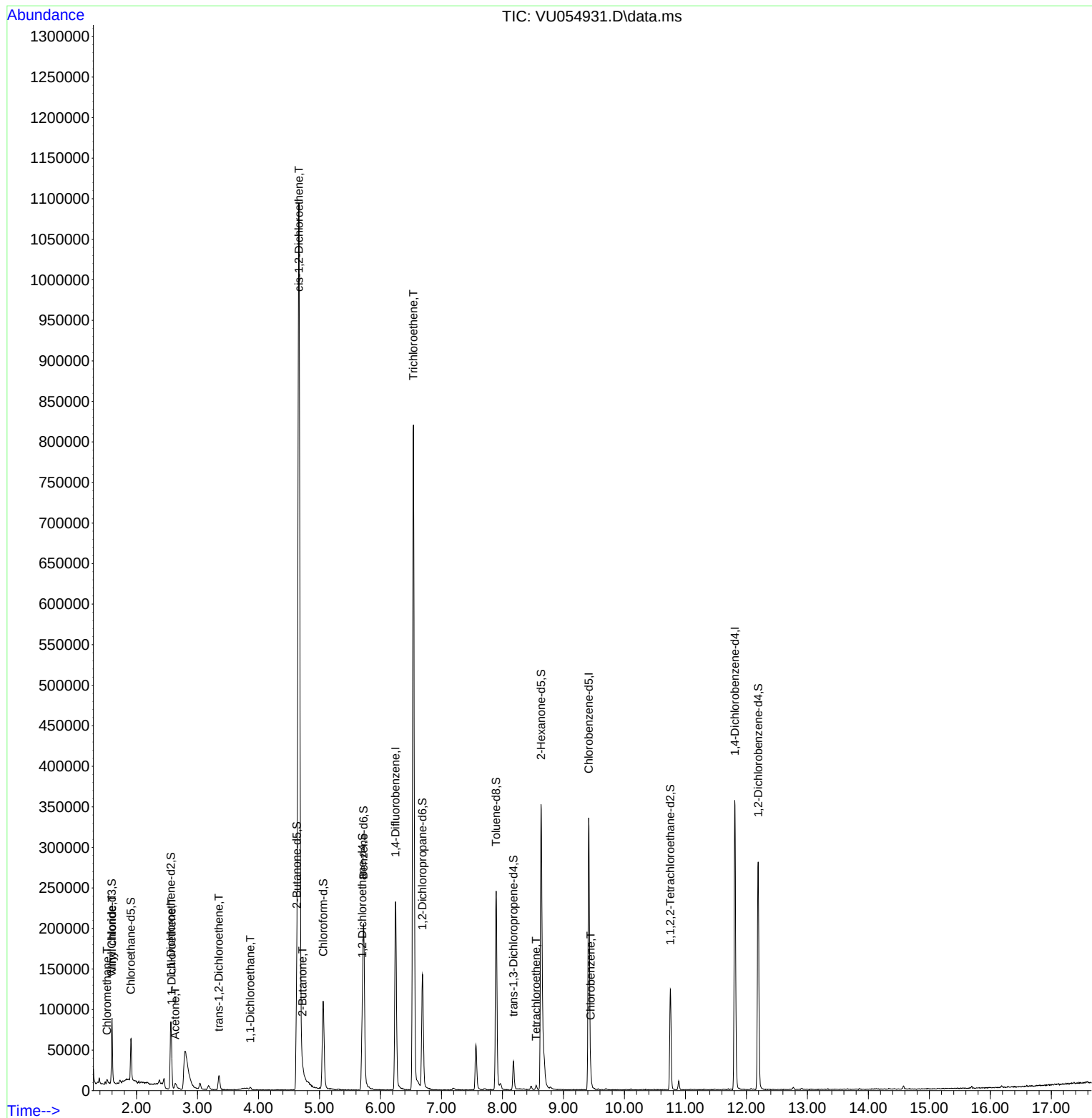
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	188635	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	180079	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	92727	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	25642	4.307	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.200%
7) Chloroethane-d5	1.907	69	34592	4.497	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.563	65	14826	4.406	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.200%
20) 2-Butanone-d5	4.628	46	176373	54.881	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.760%
24) Chloroform-d	5.062	84	99340	4.498	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
26) 1,2-Dichloroethane-d4	5.701	65	55891	4.756	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	5.724	84	183085	4.523	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.689	67	66749	4.689	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.898	98	167222	4.314	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
43) trans-1,3-Dichloroprop...	8.180	79	19647	4.193	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.800%
46) 2-Hexanone-d5	8.634	63	116659	52.460	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.920%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	59396	4.865	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	70731	4.777	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.600%
Target Compounds						Qvalue
3) Chloromethane	1.518	50	4346	0.356	ug/L	98
5) Vinyl chloride	1.599	62	32483	2.566	ug/L	95
12) 1,1-Dichloroethene	2.576	96	4157	0.488	ug/L #	1
13) Acetone	2.634	43	11787	6.785	ug/L	93
18) trans-1,2-Dichloroethene	3.351	96	7499	0.806	ug/L	96
19) 1,1-Dichloroethane	3.866	63	4056	0.208	ug/L	94
21) 2-Butanone	4.721	43	27086	10.176	ug/L	81
22) cis-1,2-Dichloroethene	4.663	96	536622	48.356	ug/L	94
34) Trichloroethene	6.541	95	276920	23.521	ug/L	97
47) Tetrachloroethene	8.553	164	1228	0.145	ug/L	85
51) Chlorobenzene	9.447	112	6144	0.200	ug/L	99

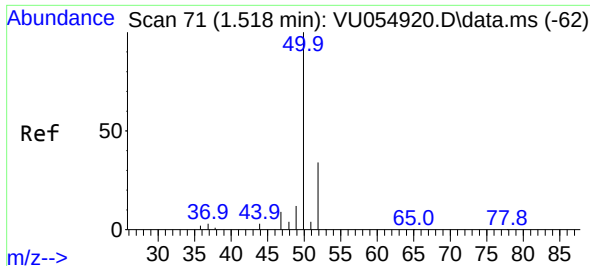
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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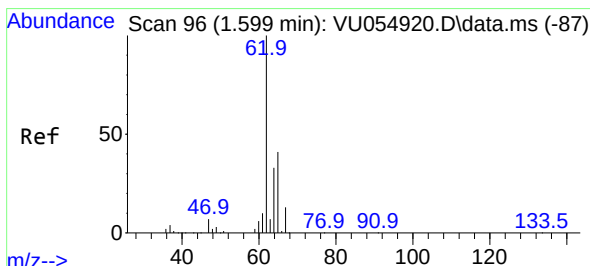
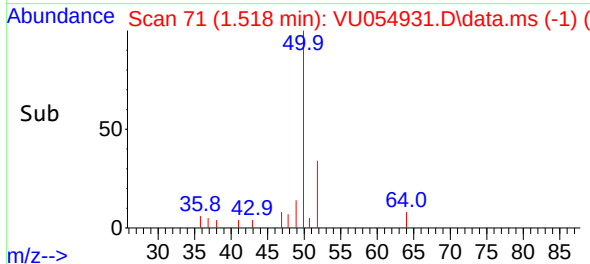
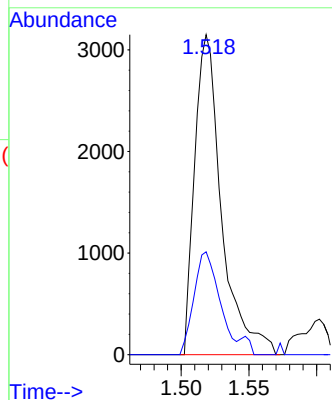
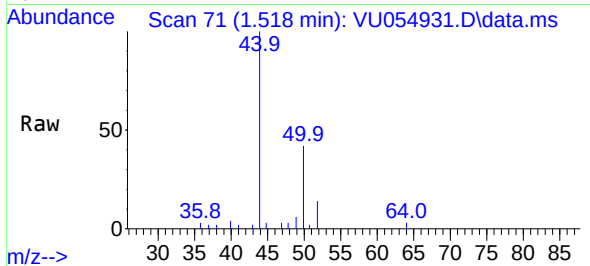




#3
Chloromethane
Concen: 0.356 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU054931.D
Acq: 28 Aug 2023 18:13

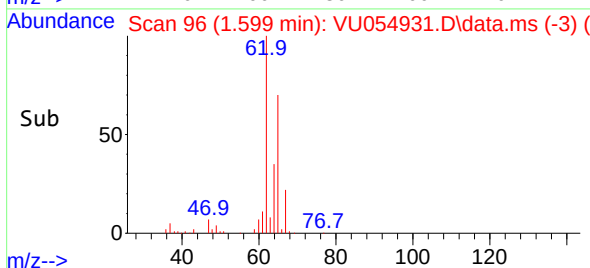
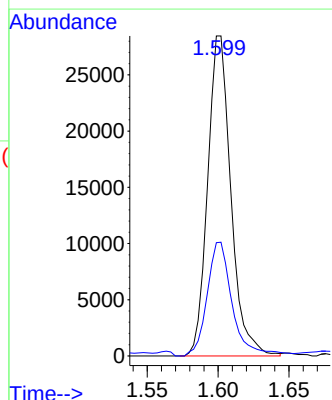
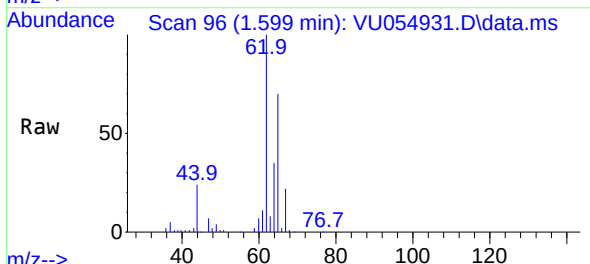
Instrument :
MSVOA_U
ClientSampleId :
C0AL2

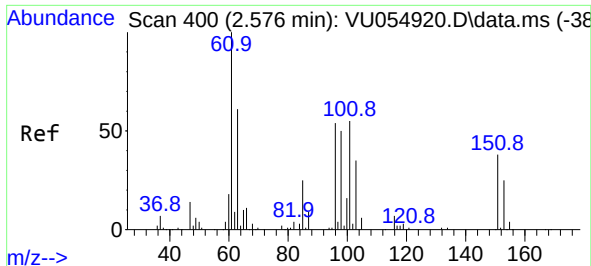
Tgt Ion: 50 Resp: 4346
Ion Ratio Lower Upper
50 100
52 32.1 23.4 43.6



#5
Vinyl chloride
Concen: 2.566 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU054931.D
Acq: 28 Aug 2023 18:13

Tgt Ion: 62 Resp: 32483
Ion Ratio Lower Upper
62 100
64 35.4 22.7 42.1





#12

1,1-Dichloroethene

Concen: 0.488 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU054931.D

Acq: 28 Aug 2023 18:13

Instrument :

MSVOA_U

ClientSampleId :

C0AL2

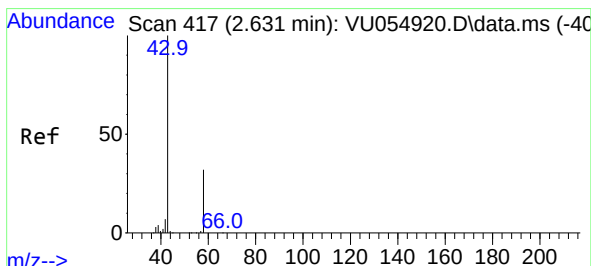
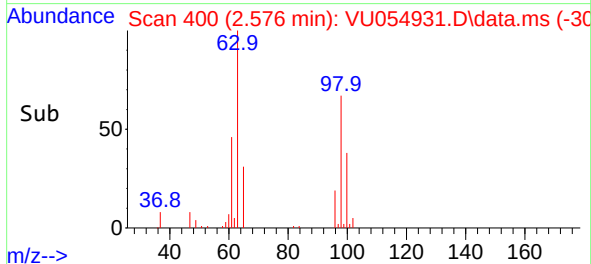
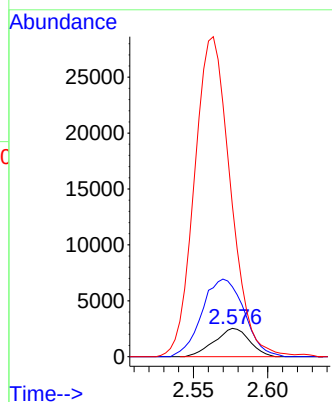
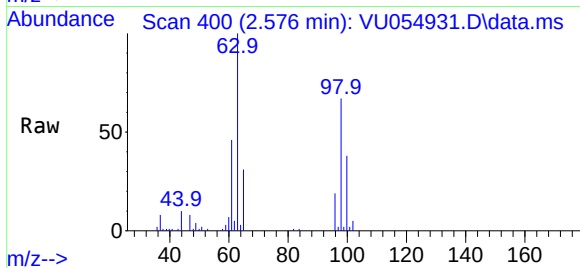
Tgt Ion: 96 Resp: 4157

Ion Ratio Lower Upper

96 100

61 247.4 132.4 245.8#

63 535.8 82.5 153.1#



#13

Acetone

Concen: 6.785 ug/L

RT: 2.634 min Scan# 418

Delta R.T. 0.003 min

Lab File: VU054931.D

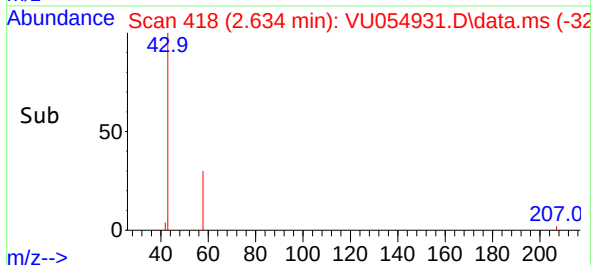
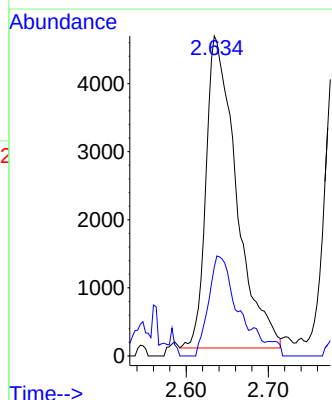
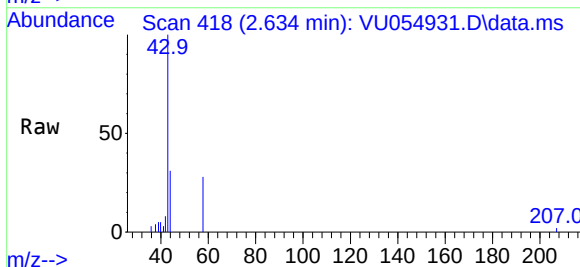
Acq: 28 Aug 2023 18:13

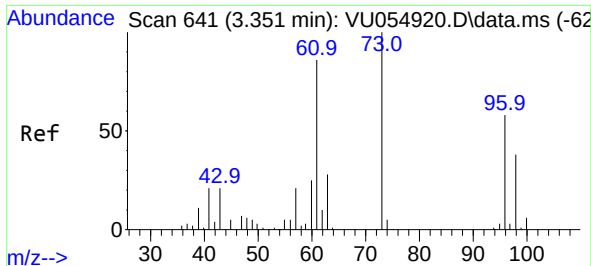
Tgt Ion: 43 Resp: 11787

Ion Ratio Lower Upper

43 100

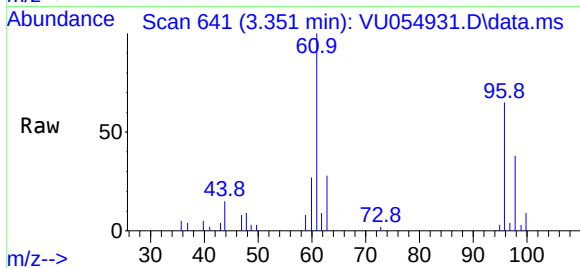
58 28.4 0.0 64.4





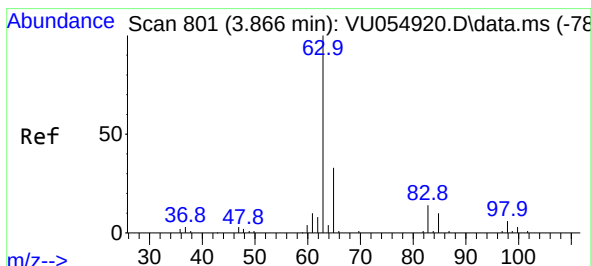
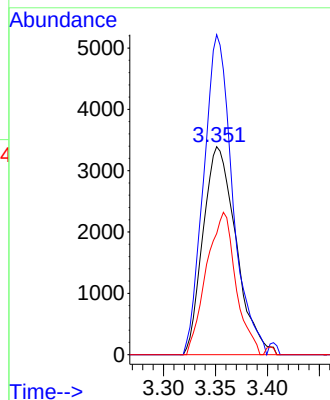
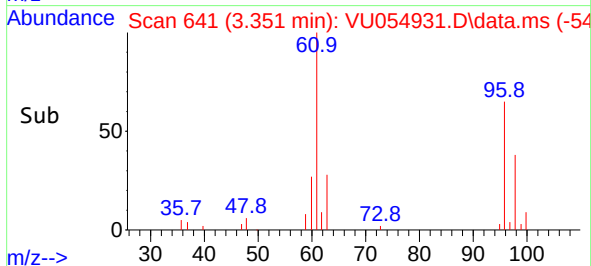
#18
trans-1,2-Dichloroethene
Concen: 0.806 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054931.D
Acq: 28 Aug 2023 18:13

Instrument :
MSVOA_U
ClientSampleId :
COAL2

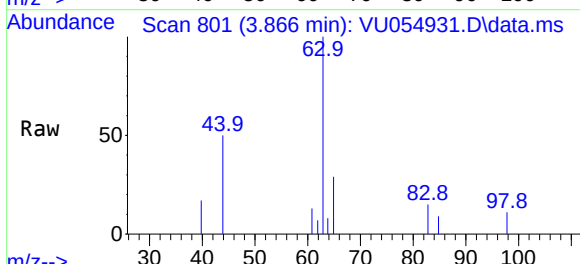


Tgt Ion: 96 Resp: 7499

Ion	Ratio	Lower	Upper
96	100		
61	153.8	108.8	202.0
98	58.2	45.8	85.2

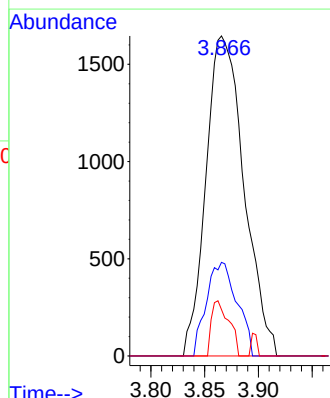
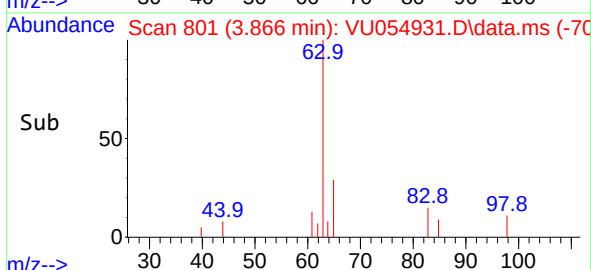


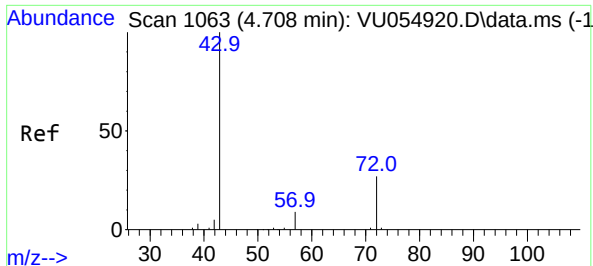
#19
1,1-Dichloroethane
Concen: 0.208 ug/L
RT: 3.866 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU054931.D
Acq: 28 Aug 2023 18:13



Tgt Ion: 63 Resp: 4056

Ion	Ratio	Lower	Upper
63	100		
65	27.1	22.5	41.7
83	13.4	9.5	17.7

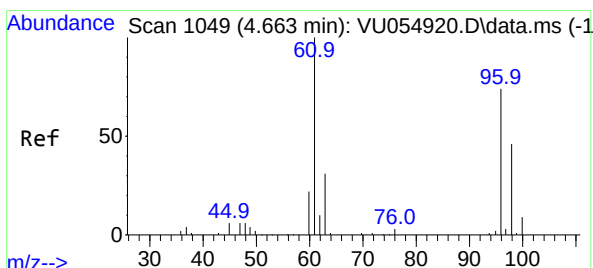
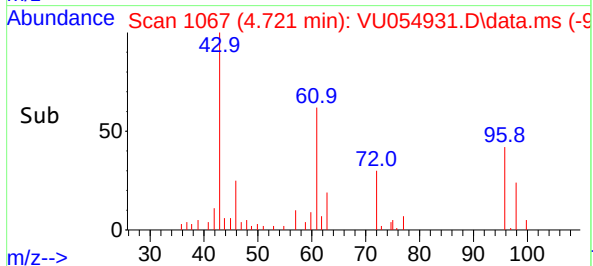
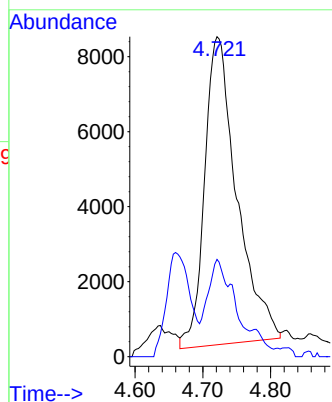
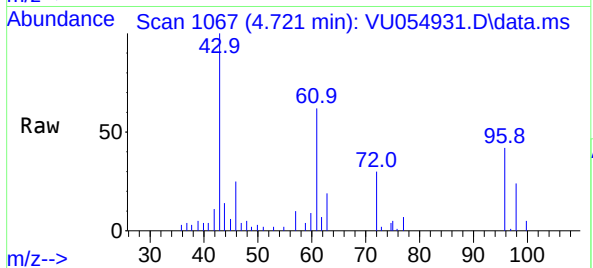




#21
2-Butanone
Concen: 10.176 ug/L
RT: 4.721 min Scan# 1067
Delta R.T. 0.013 min
Lab File: VU054931.D
Acq: 28 Aug 2023 18:13

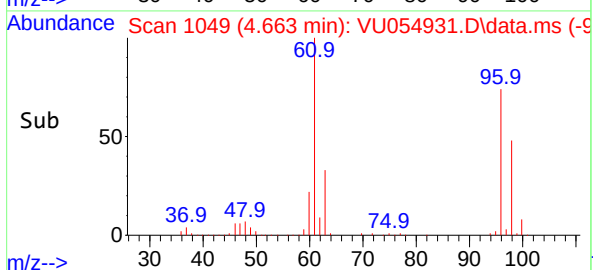
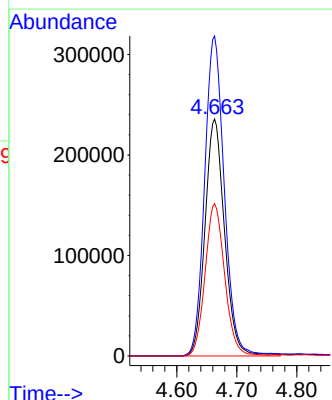
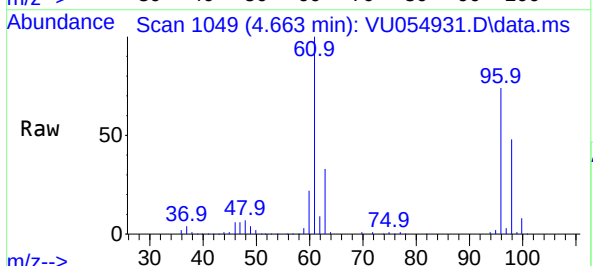
Instrument :
MSVOA_U
ClientSampleId :
COAL2

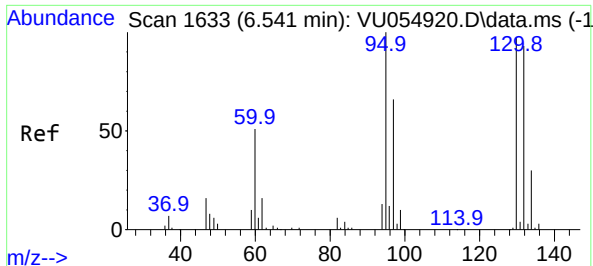
Tgt Ion: 43 Resp: 27086
Ion Ratio Lower Upper
43 100
72 18.0 14.1 42.3



#22
cis-1,2-Dichloroethene
Concen: 48.356 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU054931.D
Acq: 28 Aug 2023 18:13

Tgt Ion: 96 Resp: 536622
Ion Ratio Lower Upper
96 100
61 135.0 88.4 164.2
98 64.3 44.0 81.6

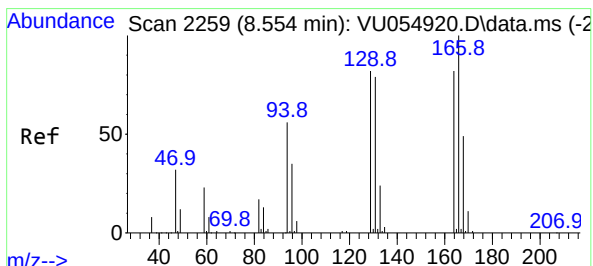
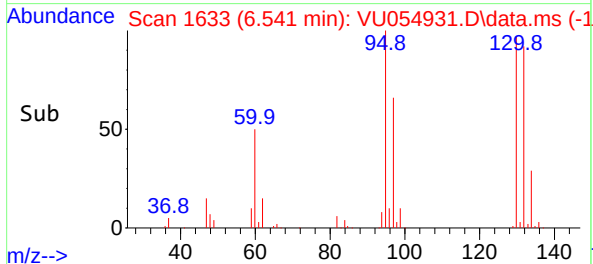
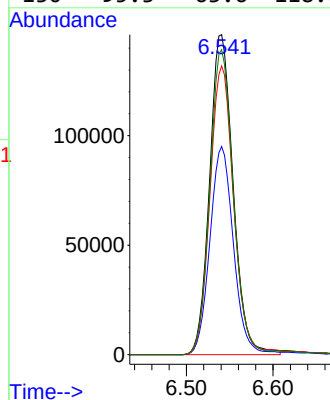
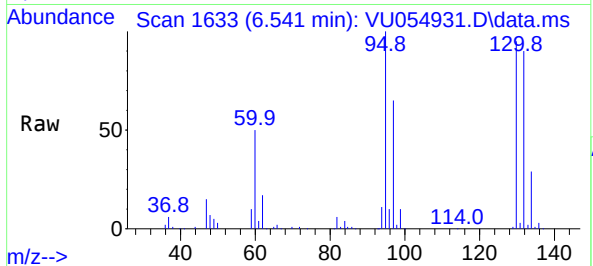




#34
Trichloroethene
Concen: 23.521 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054931.D
Acq: 28 Aug 2023 18:13

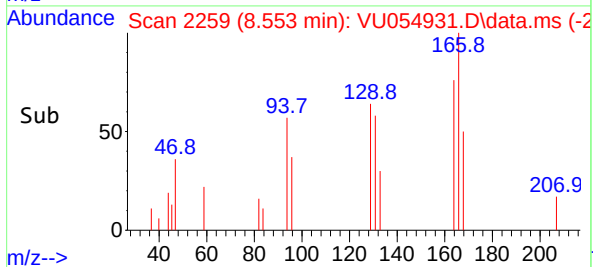
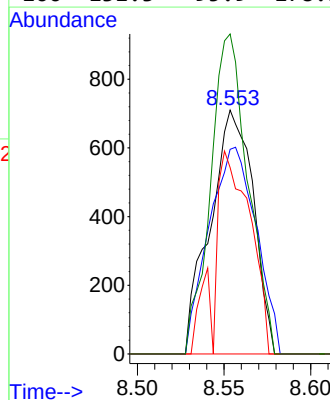
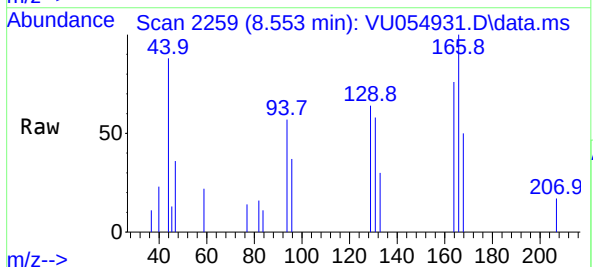
Instrument :
MSVOA_U
ClientSampleId :
C0AL2

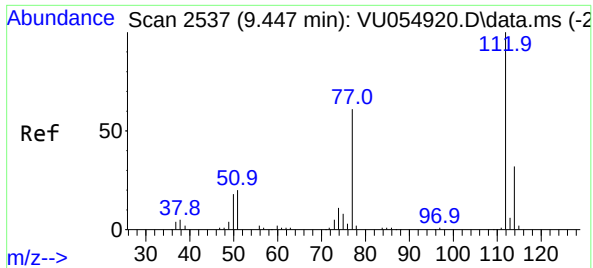
Tgt Ion: 95 Resp: 276920
Ion Ratio Lower Upper
95 100
97 65.0 44.1 81.9
132 90.2 63.6 118.2
130 95.3 63.6 118.0



#47
Tetrachloroethene
Concen: 0.145 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.000 min
Lab File: VU054931.D
Acq: 28 Aug 2023 18:13

Tgt Ion: 164 Resp: 1228
Ion Ratio Lower Upper
164 100
129 83.9 72.8 135.2
131 76.5 70.7 131.3
166 131.3 95.9 178.1





#51
 Chlorobenzene
 Concen: 0.200 ug/L
 RT: 9.447 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU054931.D
 Acq: 28 Aug 2023 18:13

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AL2

Tgt Ion:	112	Resp:	6144
Ion	Ratio	Lower	Upper
112	100		
114	34.3	23.4	43.4
77	60.9	49.3	73.9

