

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082823\
 Data File : VU054927.D
 Acq On : 28 Aug 2023 16:34
 Operator : MD/SY
 Sample : 04173-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK8

Quant Time: Aug 29 04:59:44 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)

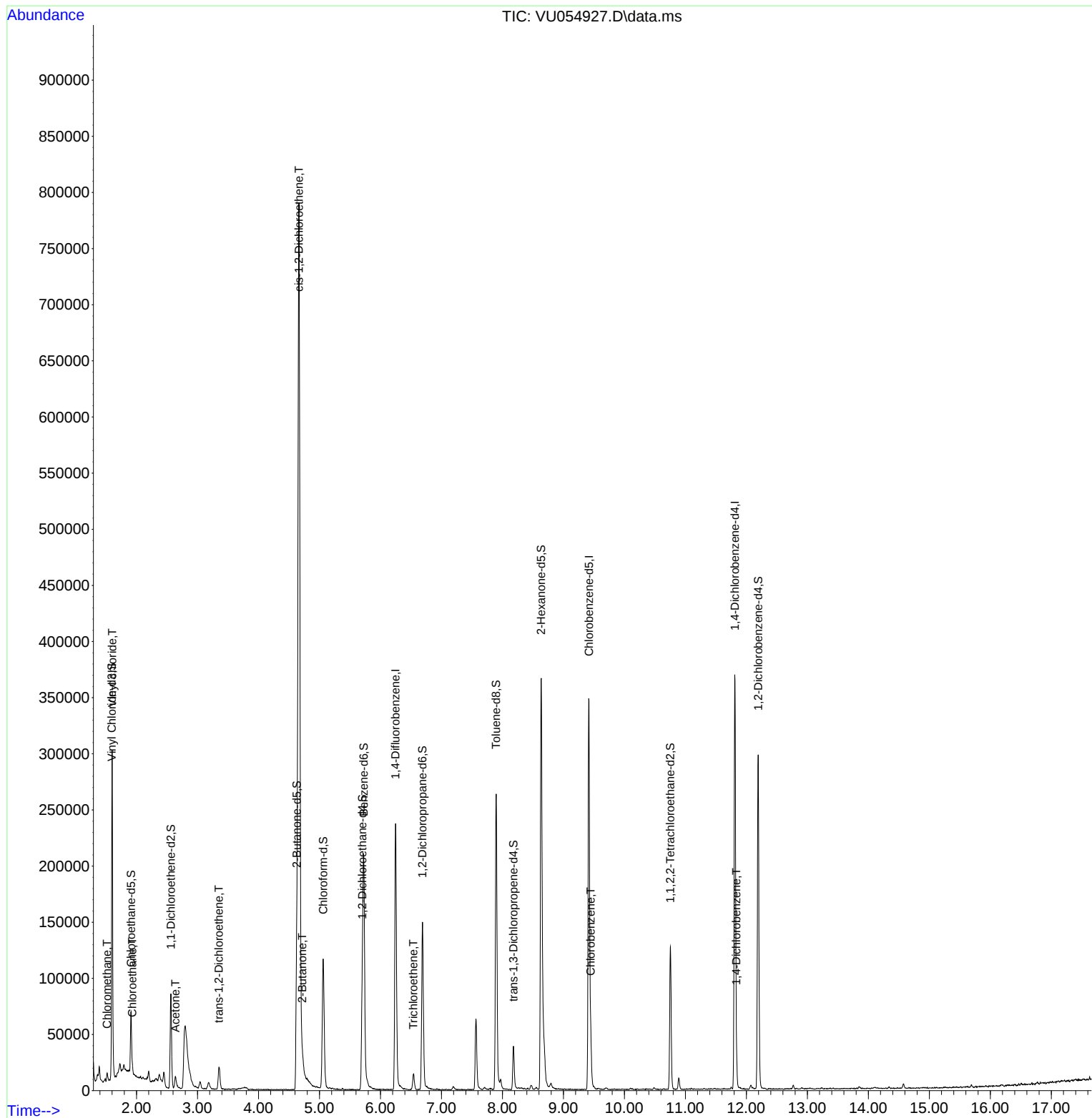
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	189040	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	186312	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	93618	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	29142	4.884	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.600%
7) Chloroethane-d5	1.910	69	36951	4.794	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.800%
11) 1,1-Dichloroethene-d2	2.563	65	15606	4.628	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.600%
20) 2-Butanone-d5	4.627	46	181586	56.382	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.760%
24) Chloroform-d	5.061	84	105597	4.771	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.701	65	60469	5.134	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
32) Benzene-d6	5.727	84	191932	4.583	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.688	67	68828	4.673	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.400%
41) Toluene-d8	7.897	98	178971	4.462	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	8.180	79	21374	4.409	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.200%
46) 2-Hexanone-d5	8.634	63	123893	53.849	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.700%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	62749	4.968	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	71493	4.783	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.600%
Target Compounds						Qvalue
3) Chloromethane	1.518	50	5160	0.422	ug/L	97
5) Vinyl chloride	1.602	62	183257	14.444	ug/L	99
8) Chloroethane	1.930	64	3987	0.478	ug/L #	73
13) Acetone	2.637	43	15160	8.708	ug/L	97
18) trans-1,2-Dichloroethene	3.351	96	8425	0.903	ug/L	95
21) 2-Butanone	4.717	43	33512	12.563	ug/L #	58
22) cis-1,2-Dichloroethene	4.663	96	380838	34.245	ug/L	94
34) Trichloroethene	6.541	95	4059	0.333	ug/L	91
51) Chlorobenzene	9.447	112	22191	0.699	ug/L	95
65) 1,4-Dichlorobenzene	11.836	146	5770	0.247	ug/L	91

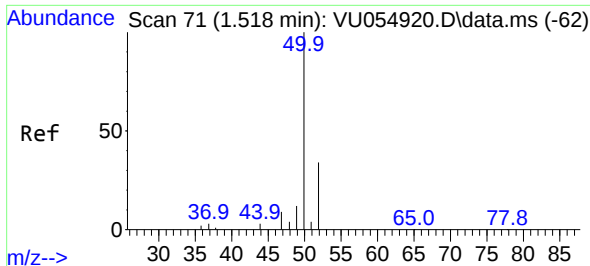
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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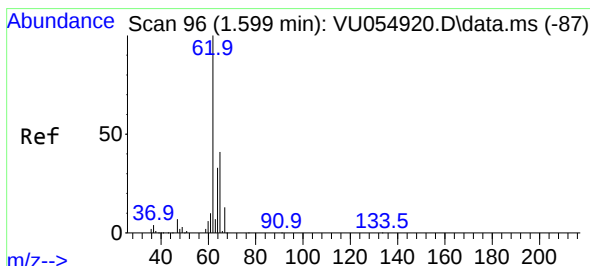
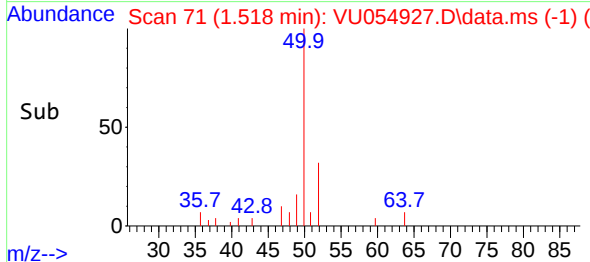
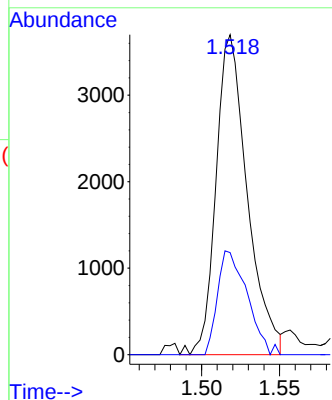
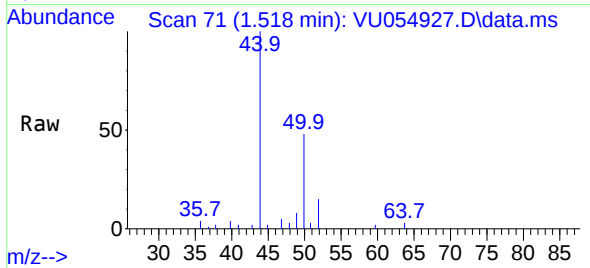




#3
Chloromethane
Concen: 0.422 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU054927.D
Acq: 28 Aug 2023 16:34

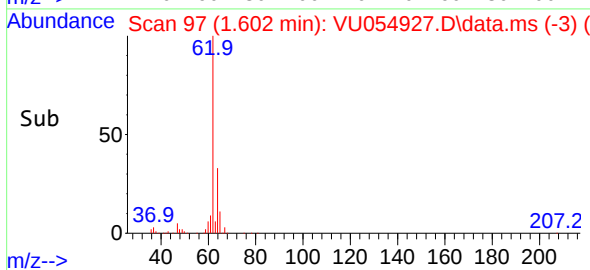
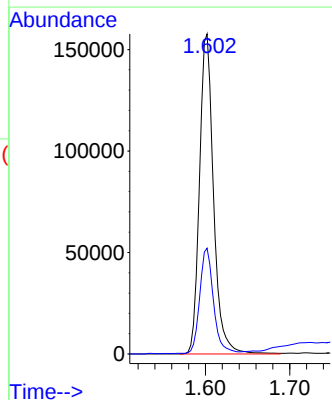
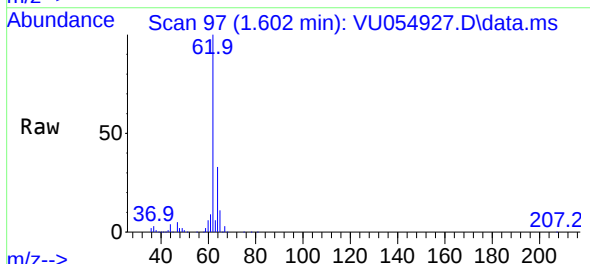
Instrument :
MSVOA_U
ClientSampleId :
C0AK8

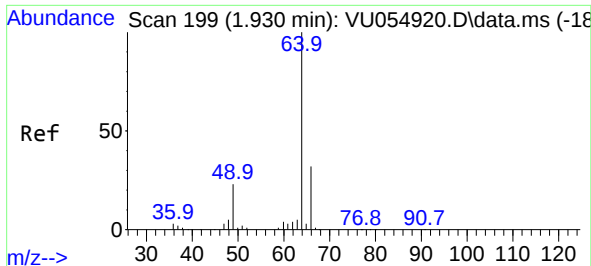
Tgt Ion: 50 Resp: 5160
Ion Ratio Lower Upper
50 100
52 31.9 23.4 43.6



#5
Vinyl chloride
Concen: 14.444 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.003 min
Lab File: VU054927.D
Acq: 28 Aug 2023 16:34

Tgt Ion: 62 Resp: 183257
Ion Ratio Lower Upper
62 100
64 33.0 22.7 42.1

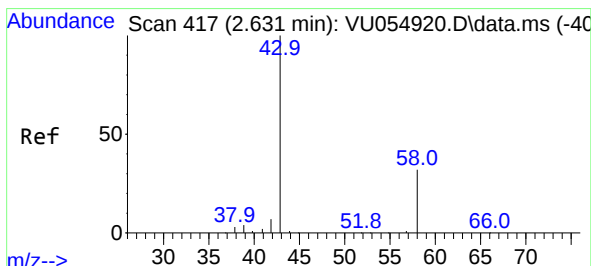
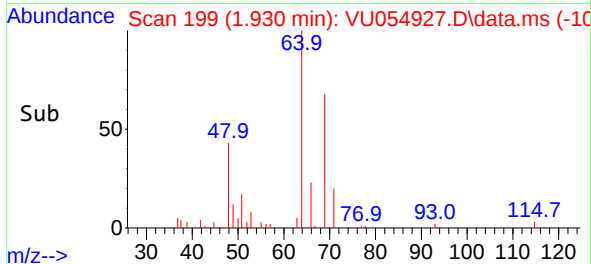
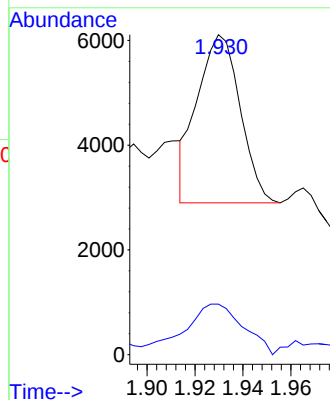
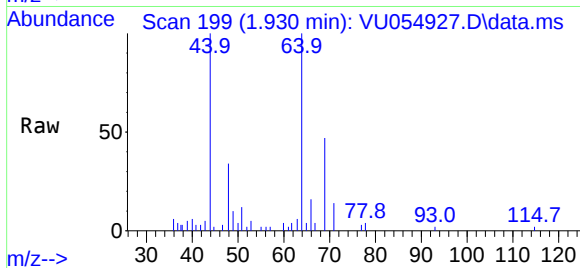




#8
Chloroethane
Concen: 0.478 ug/L
RT: 1.930 min Scan# 19
Delta R.T. -0.000 min
Lab File: VU054927.D
Acq: 28 Aug 2023 16:34

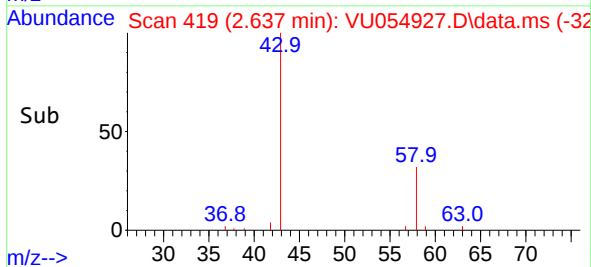
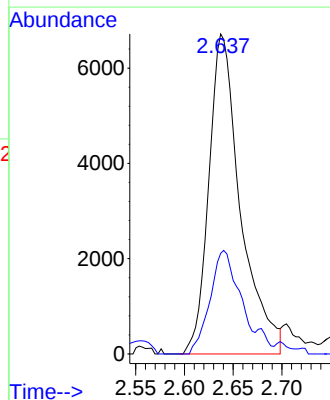
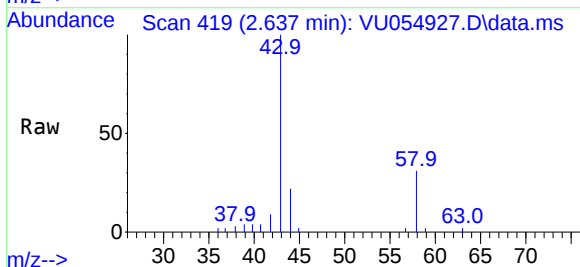
Instrument :
MSVOA_U
ClientSampleId :
C0AK8

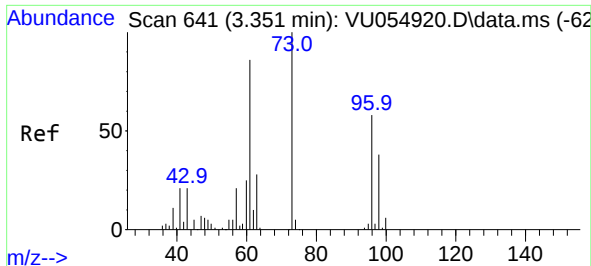
Tgt Ion: 64 Resp: 3987
Ion Ratio Lower Upper
64 100
66 15.8 21.5 39.9#



#13
Acetone
Concen: 8.708 ug/L
RT: 2.637 min Scan# 419
Delta R.T. 0.006 min
Lab File: VU054927.D
Acq: 28 Aug 2023 16:34

Tgt Ion: 43 Resp: 15160
Ion Ratio Lower Upper
43 100
58 30.3 0.0 64.4

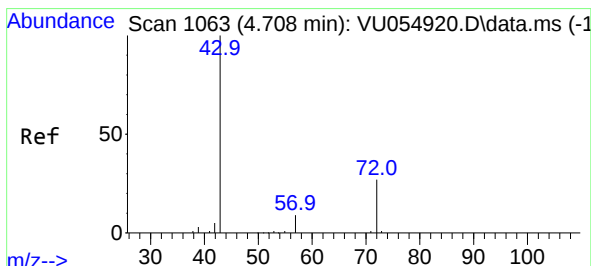
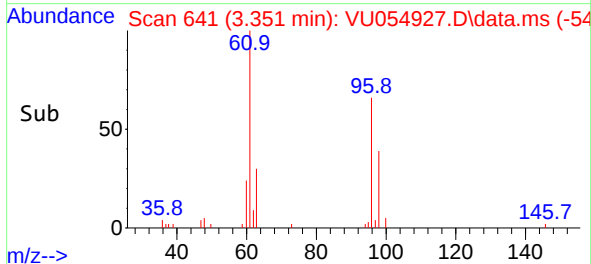
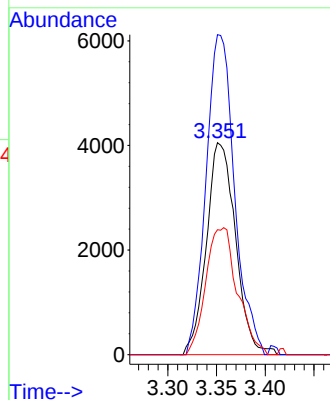
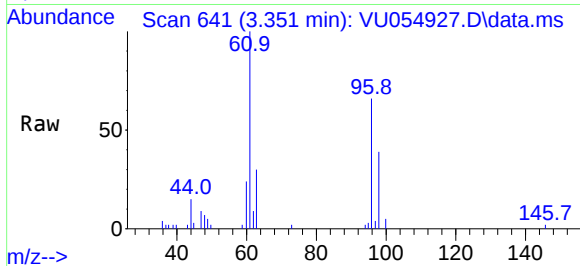




#18
trans-1,2-Dichloroethene
Concen: 0.903 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054927.D
Acq: 28 Aug 2023 16:34

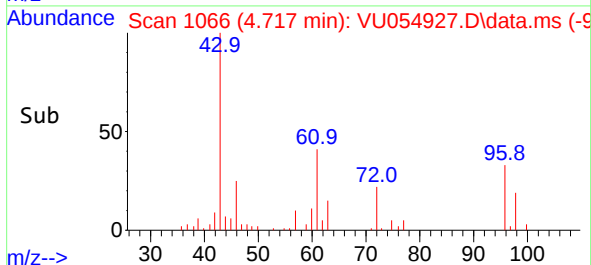
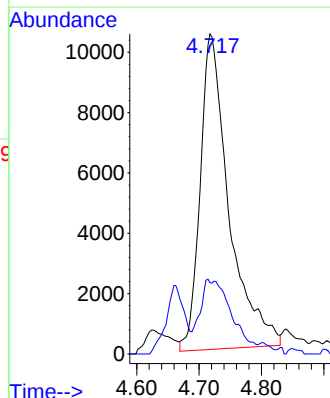
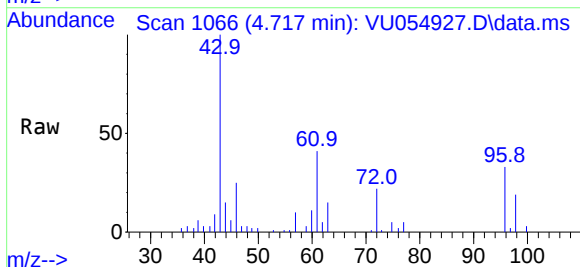
Instrument :
MSVOA_U
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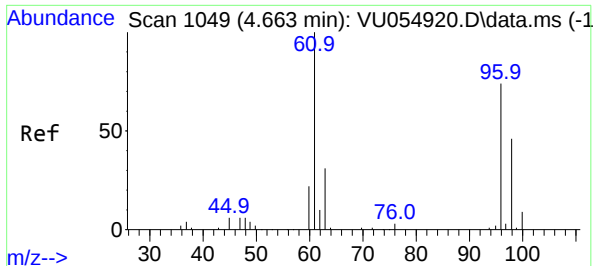
Tgt Ion: 96 Resp: 8425
Ion Ratio Lower Upper
96 100
61 151.0 108.8 202.0
98 59.0 45.8 85.2



#21
2-Butanone
Concen: 12.563 ug/L
RT: 4.717 min Scan# 1066
Delta R.T. 0.009 min
Lab File: VU054927.D
Acq: 28 Aug 2023 16:34

Tgt Ion: 43 Resp: 33512
Ion Ratio Lower Upper
43 100
72 6.0 14.1 42.3#

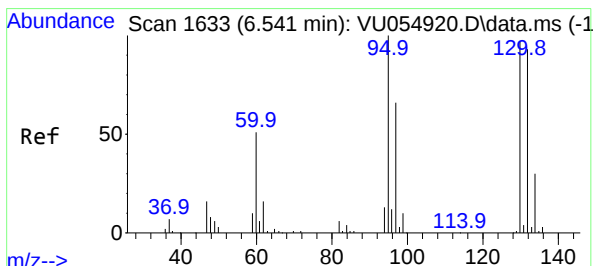
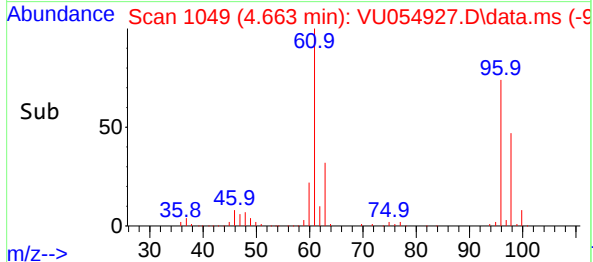
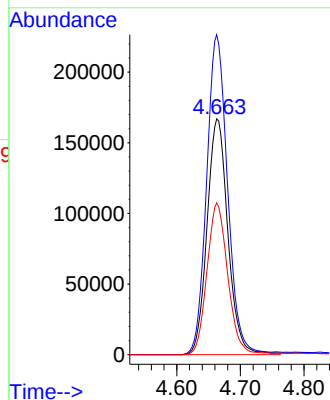
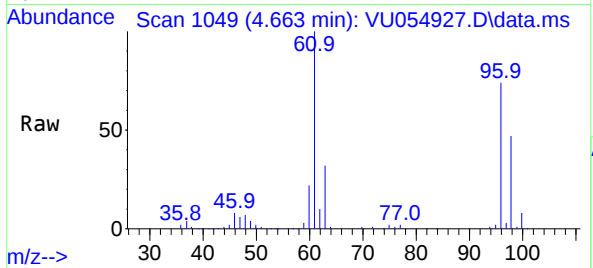




#22
cis-1,2-Dichloroethene
Concen: 34.245 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU054927.D
Acq: 28 Aug 2023 16:34

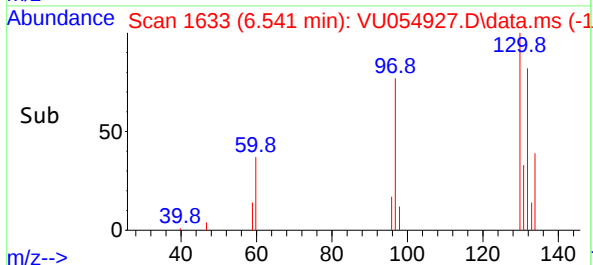
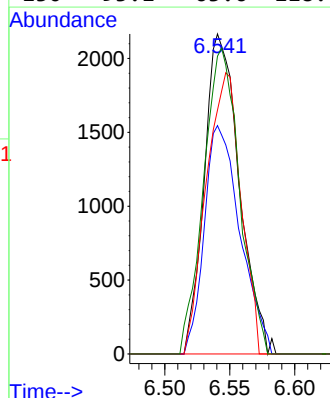
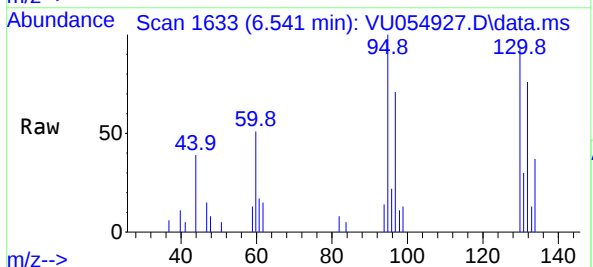
Instrument :
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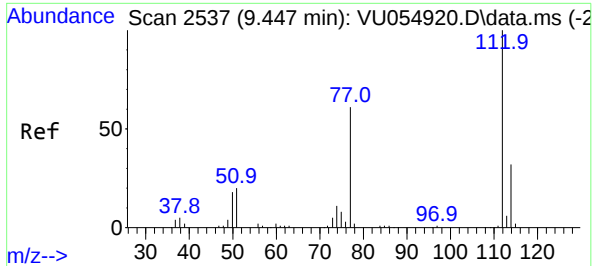
Tgt Ion: 96 Resp: 380838
Ion Ratio Lower Upper
96 100
61 135.7 88.4 164.2
98 64.4 44.0 81.6



#34
Trichloroethene
Concen: 0.333 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU054927.D
Acq: 28 Aug 2023 16:34

Tgt Ion: 95 Resp: 4059
Ion Ratio Lower Upper
95 100
97 71.3 44.1 81.9
132 76.2 63.6 118.2
130 93.1 63.6 118.0

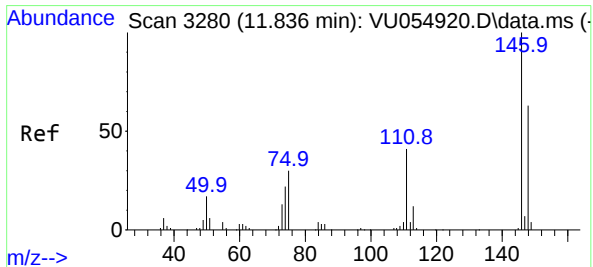
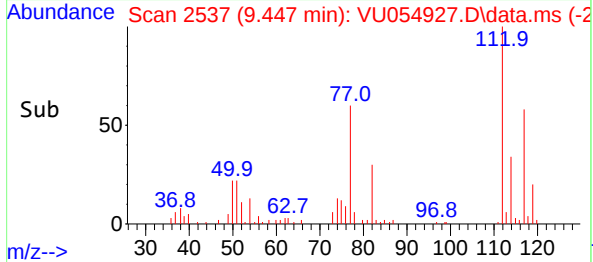
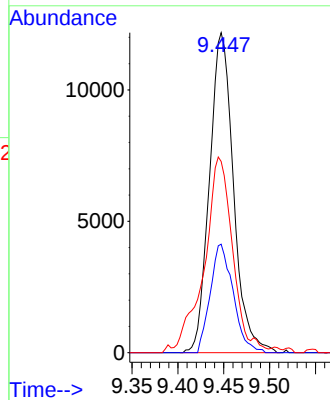
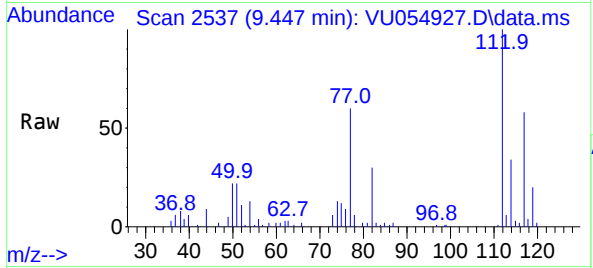




#51
Chlorobenzene
Concen: 0.699 ug/L
RT: 9.447 min Scan# 21
Delta R.T. -0.000 min
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Tgt Ion:	112	Resp:	22191
Ion Ratio	Lower	Upper	
112	100		
114	32.0	23.4	43.4
77	56.5	49.3	73.9



#65
1,4-Dichlorobenzene
Concen: 0.247 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. -0.000 min
Lab File: VU054927.D
Acq: 28 Aug 2023 16:34

Tgt Ion:	146	Resp:	5770
Ion Ratio	Lower	Upper	
146	100		
111	37.5	29.9	55.5
148	56.0	44.7	83.1

