

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082923\
 Data File : VU054981.D
 Acq On : 30 Aug 2023 02:03
 Operator : MD/SY
 Sample : 04173-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 30 04:00:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Aug 30 01:18:16 2023
 Response via : Initial Calibration

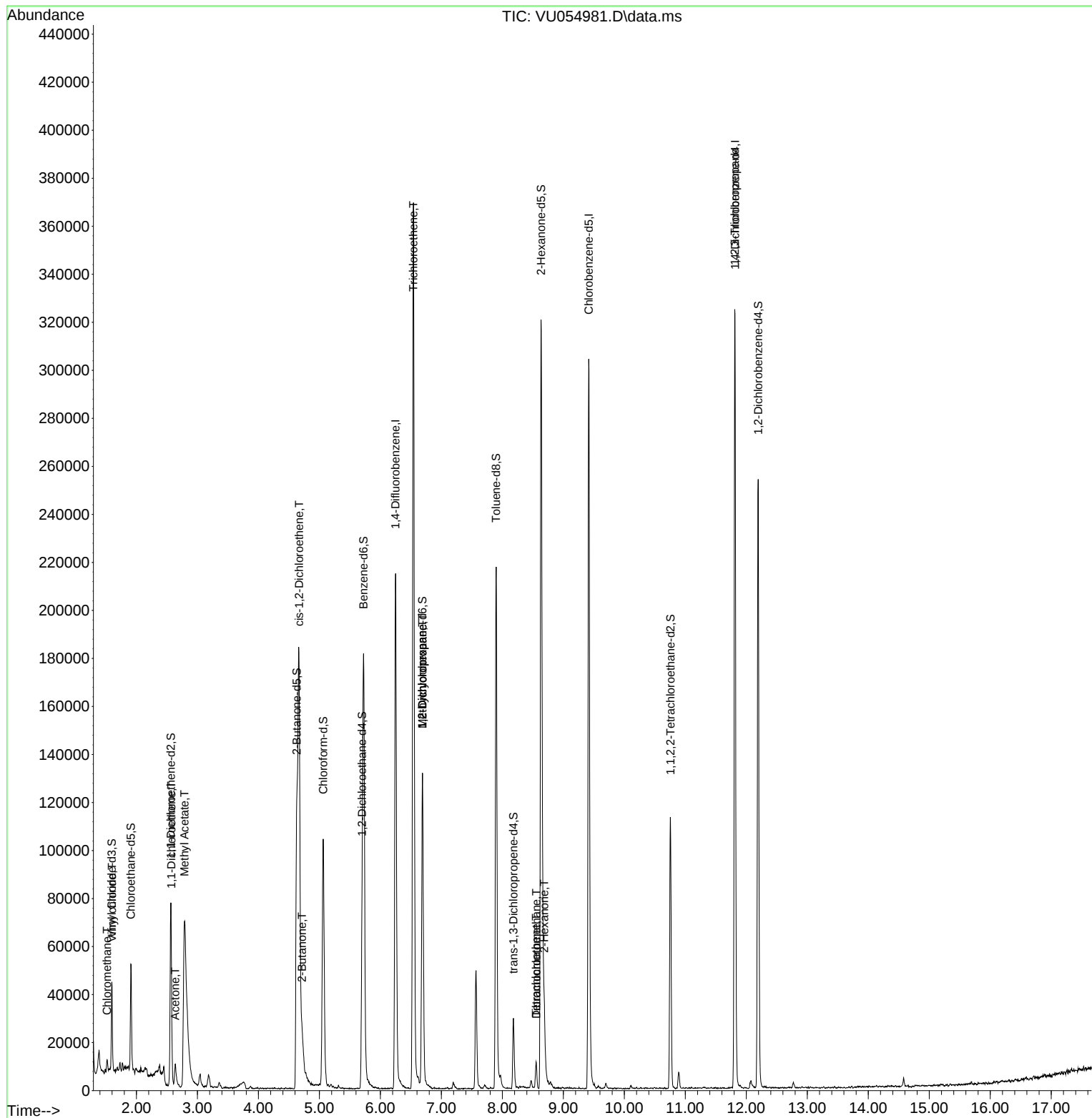
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	173315	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	165223	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	81177	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	24546	4.487	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	89.800%	
7) Chloroethane-d5	1.908	69	30757	4.352	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	87.000%	
11) 1,1-Dichloroethene-d2	2.563	65	14178	4.586	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	91.800%	
20) 2-Butanone-d5	4.628	46	171562	58.103	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	116.200%	
24) Chloroform-d	5.062	84	92930	4.580	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.600%	
26) 1,2-Dichloroethane-d4	5.698	65	51857	4.803	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.000%	
32) Benzene-d6	5.724	84	166259	4.477	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.600%	
36) 1,2-Dichloropropane-d6	6.689	67	62441	4.780	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	95.600%	
41) Toluene-d8	7.898	98	147011	4.133	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	82.600%	
43) trans-1,3-Dichloroprop...	8.181	79	17062	3.969	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	79.400%	
46) 2-Hexanone-d5	8.634	63	106000	51.953	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	103.900%	
56) 1,1,2,2-Tetrachloroeth...	10.756	84	55500	4.955	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	99.000%	
66) 1,2-Dichlorobenzene-d4	12.193	152	63721	4.916	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	98.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	3732	0.333	ug/L	100
5) Vinyl chloride	1.599	62	1767	0.152	ug/L #	77
12) 1,1-Dichloroethene	2.570	96	1405	0.180	ug/L #	1
13) Acetone	2.634	43	13271	8.315	ug/L	100
15) Methyl Acetate	2.789	43	42640	13.051	ug/L #	51
21) 2-Butanone	4.714	43	33628	13.750	ug/L	79
22) cis-1,2-Dichloroethene	4.666	96	77198	7.571	ug/L	95
34) Trichloroethene	6.541	95	126443	11.706	ug/L	98
35) Methylcyclohexane	6.689	83	14464	0.905	ug/L #	18
37) 1,2-Dichloropropane	6.689	63	7110	0.654	ug/L #	90
47) Tetrachloroethene	8.554	164	2239	0.288	ug/L	84
48) 2-Hexanone	8.685	43	17083	3.808	ug/L #	87
49) Dibromochloromethane	8.557	129	2187	0.257	ug/L #	6
61) 1,2,3-Trichloropropane	11.811	75	11683	1.933	ug/L #	69

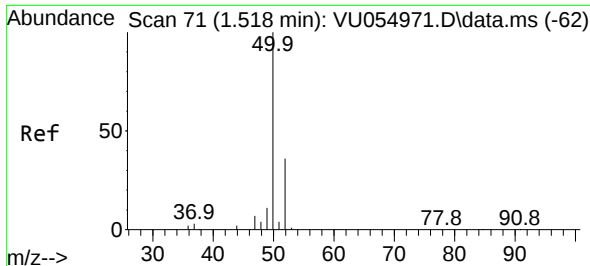
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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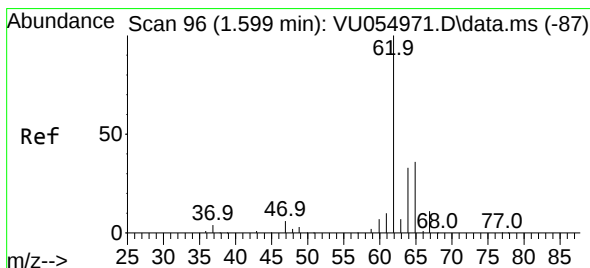
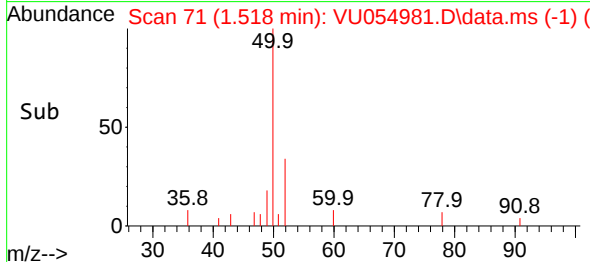
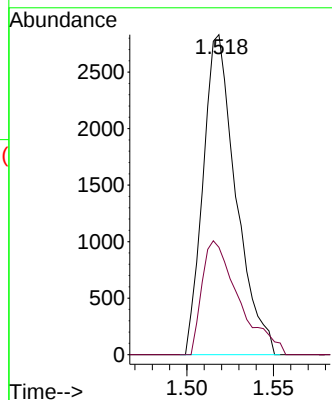
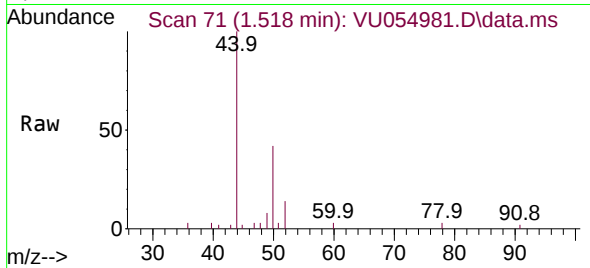




#3
Chloromethane
Concen: 0.333 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU054981.D
Acq: 30 Aug 2023 02:03

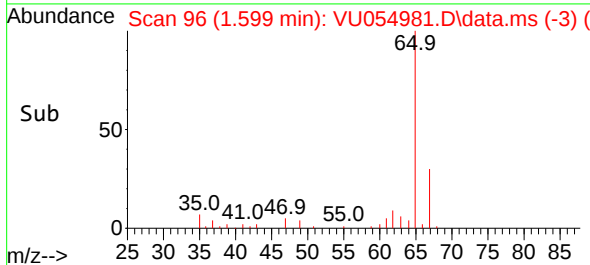
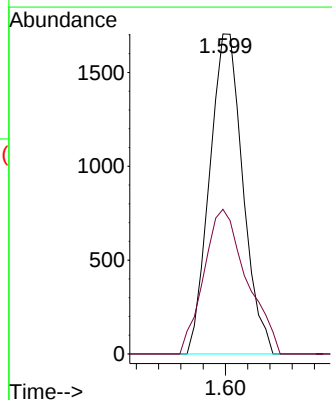
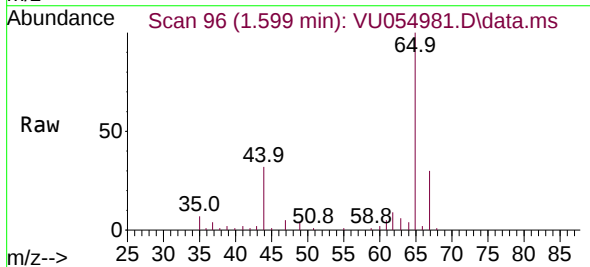
Instrument :
MSVOA_U
ClientSampleId :

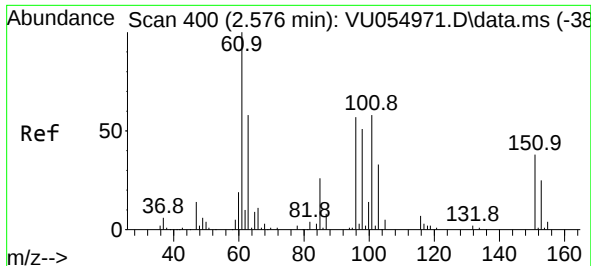
Tgt Ion: 50 Resp: 3732
Ion Ratio Lower Upper
50 100
52 33.6 23.4 43.6



#5
Vinyl chloride
Concen: 0.152 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU054981.D
Acq: 30 Aug 2023 02:03

Tgt Ion: 62 Resp: 1767
Ion Ratio Lower Upper
62 100
64 45.2 22.7 42.1#





#12

1,1-Dichloroethene

Concen: 0.180 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.006 min

Lab File: VU054981.D

Acq: 30 Aug 2023 02:03

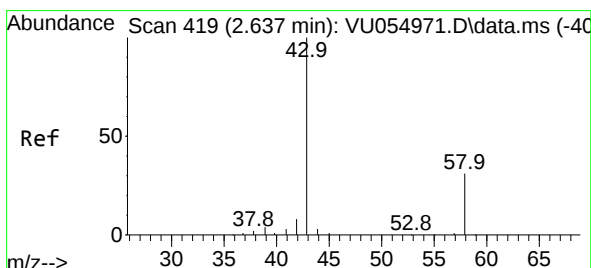
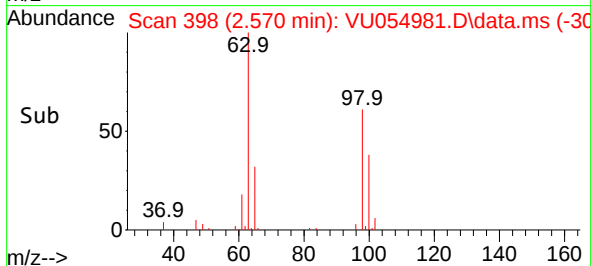
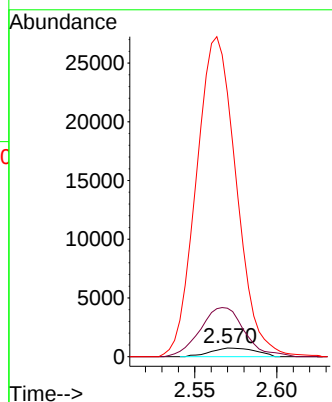
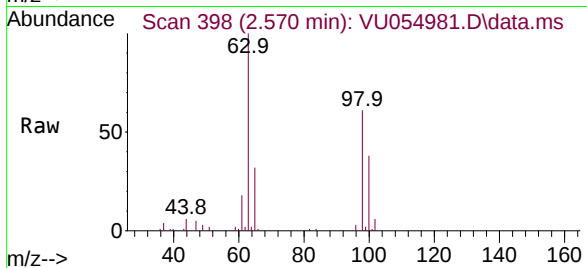
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 1405

Ion	Ratio	Lower	Upper
96	100		
61	563.8	132.4	245.8#
63	3068.9	82.5	153.1#



#13

Acetone

Concen: 8.315 ug/L

RT: 2.634 min Scan# 418

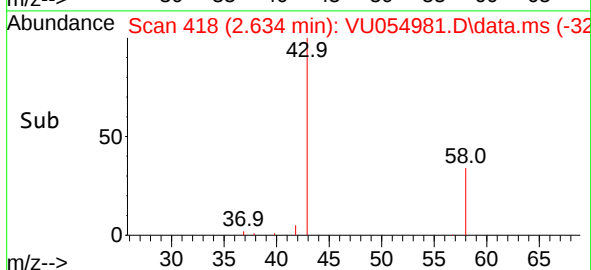
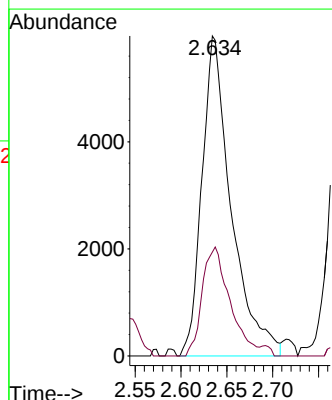
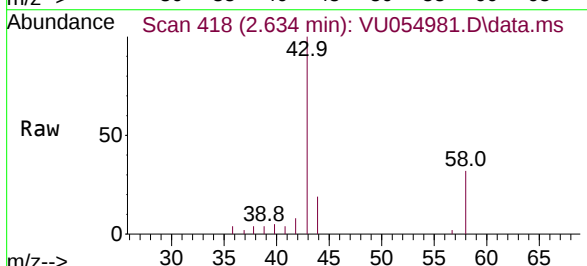
Delta R.T. -0.003 min

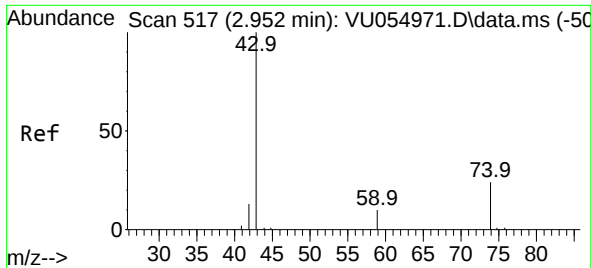
Lab File: VU054981.D

Acq: 30 Aug 2023 02:03

Tgt Ion: 43 Resp: 13271

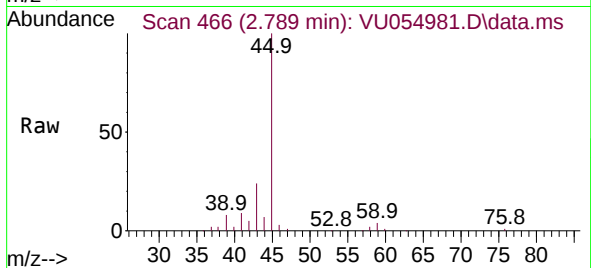
Ion	Ratio	Lower	Upper
43	100		
58	32.3	0.0	64.4



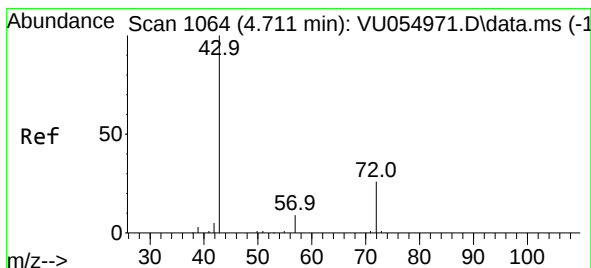
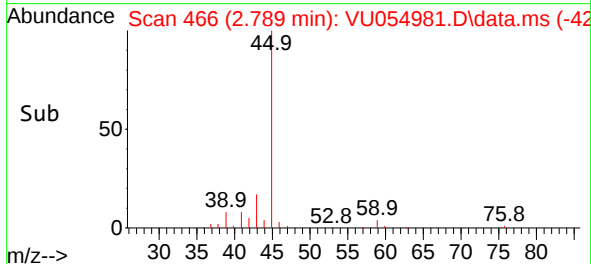
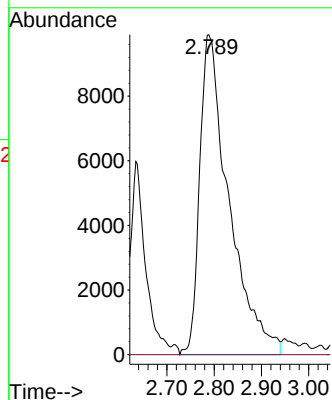


#15
Methyl Acetate
Concen: 13.051 ug/L
RT: 2.789 min Scan# 41
Delta R.T. -0.164 min
Lab File: VU054981.D
Acq: 30 Aug 2023 02:03

Instrument :
MSVOA_U
ClientSampleId :

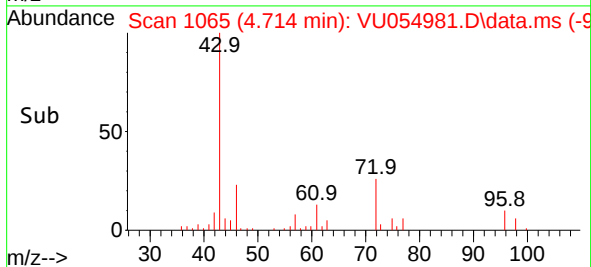
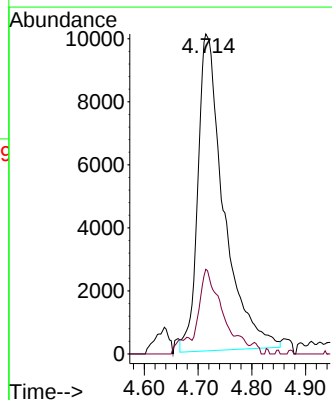
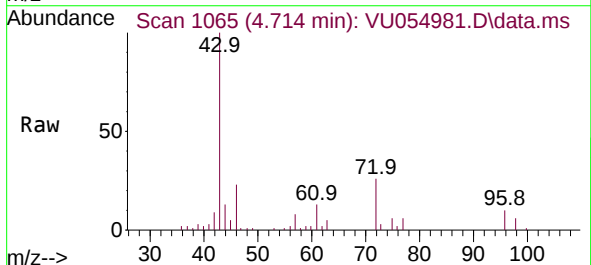


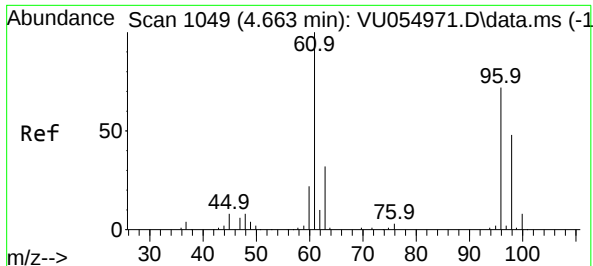
Tgt Ion: 43 Resp: 42640
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#21
2-Butanone
Concen: 13.750 ug/L
RT: 4.714 min Scan# 1065
Delta R.T. 0.003 min
Lab File: VU054981.D
Acq: 30 Aug 2023 02:03

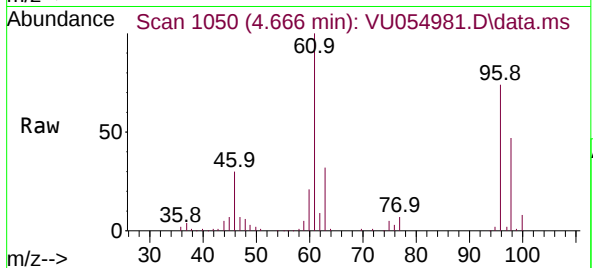
Tgt Ion: 43 Resp: 33628
Ion Ratio Lower Upper
43 100
72 17.2 14.1 42.3





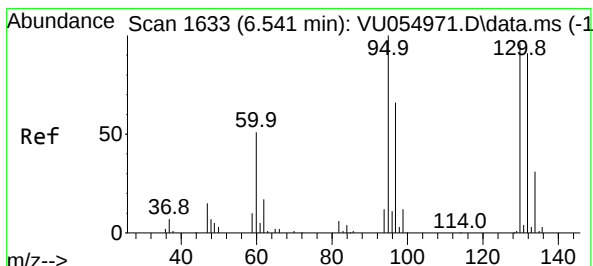
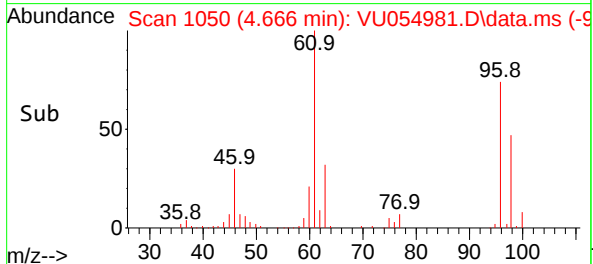
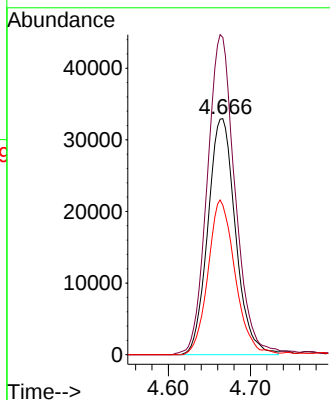
#22
 cis-1,2-Dichloroethene
 Concen: 7.571 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.003 min
 Lab File: VU054981.D
 Acq: 30 Aug 2023 02:03

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 77198

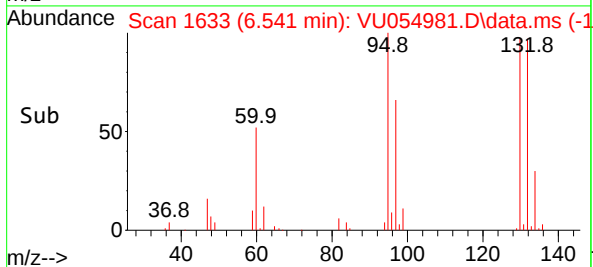
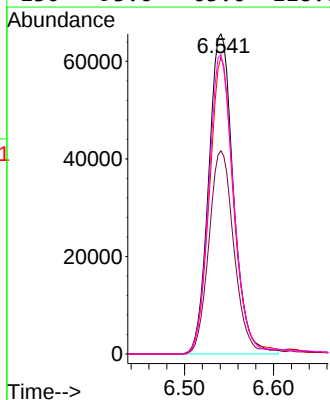
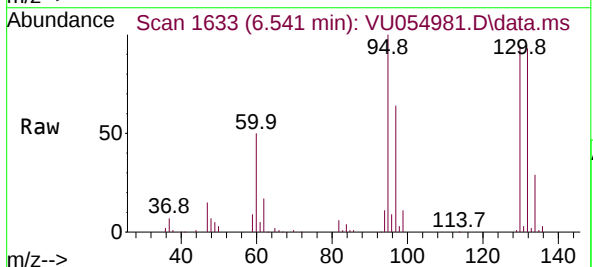
Ion	Ratio	Lower	Upper
96	100		
61	134.4	88.4	164.2
98	63.3	44.0	81.6

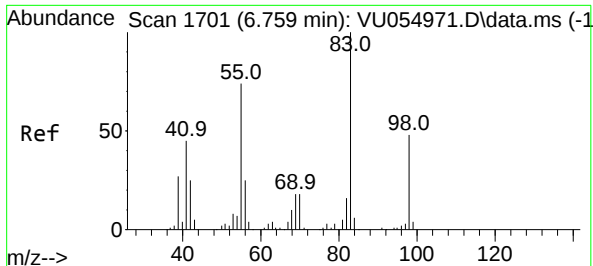


#34
 Trichloroethene
 Concen: 11.706 ug/L
 RT: 6.541 min Scan# 1633
 Delta R.T. 0.000 min
 Lab File: VU054981.D
 Acq: 30 Aug 2023 02:03

Tgt Ion: 95 Resp: 126443

Ion	Ratio	Lower	Upper
95	100		
97	63.5	44.1	81.9
132	92.7	63.6	118.2
130	93.6	63.6	118.0





#35

Methylcyclohexane

Concen: 0.905 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.071 min

Lab File: VU054981.D

Acq: 30 Aug 2023 02:03

Instrument :

MSVOA_U

ClientSampleId :

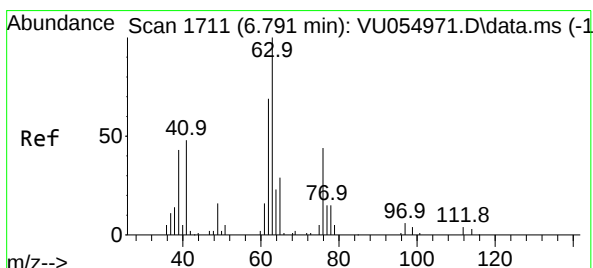
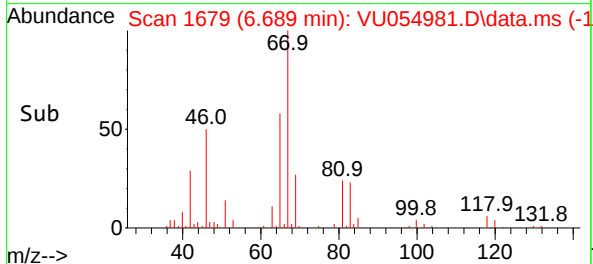
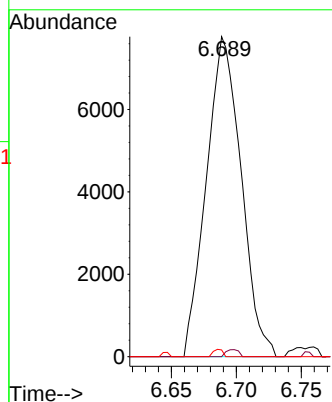
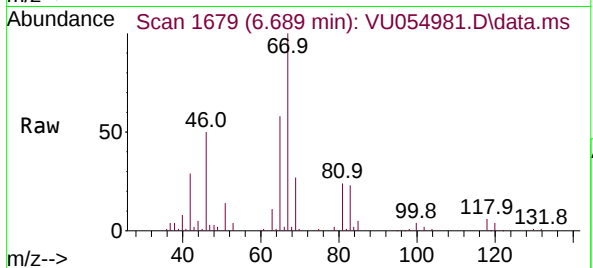
Tgt Ion: 83 Resp: 14464

Ion Ratio Lower Upper

83 100

55 0.8 62.1 93.1#

98 0.0 37.8 56.6#



#37

1,2-Dichloropropane

Concen: 0.654 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.103 min

Lab File: VU054981.D

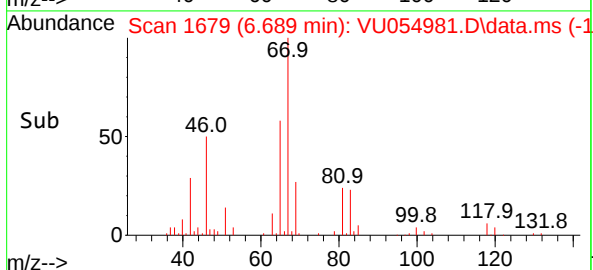
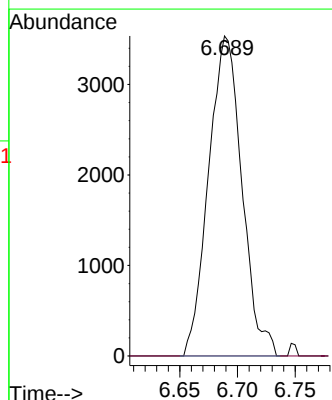
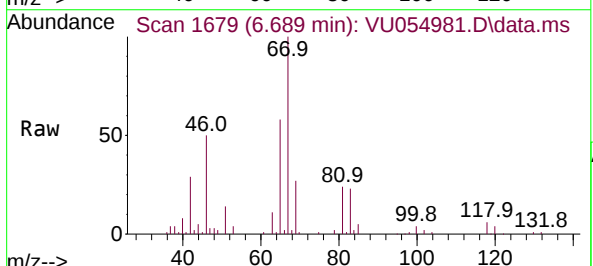
Acq: 30 Aug 2023 02:03

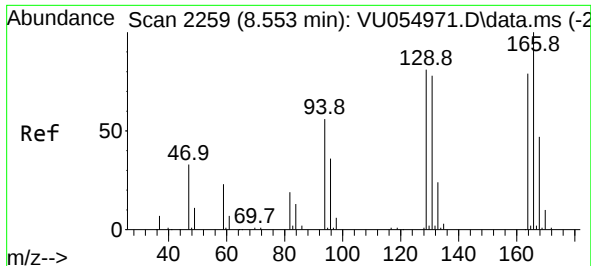
Tgt Ion: 63 Resp: 7110

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#





#47

Tetrachloroethene

Concen: 0.288 ug/L

RT: 8.554 min Scan# 21

Delta R.T. 0.000 min

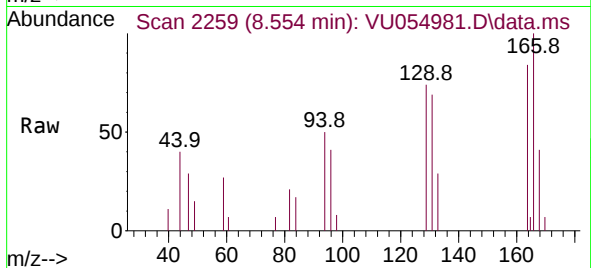
Lab File: VU054981.D

Acq: 30 Aug 2023 02:03

Instrument :

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Tgt Ion:164 Resp: 2239

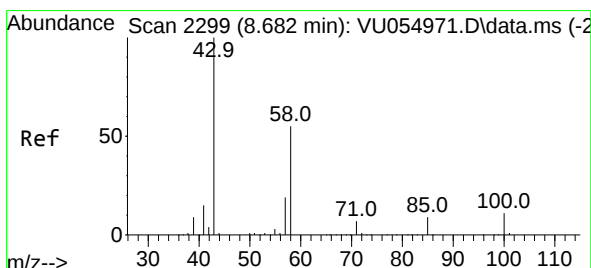
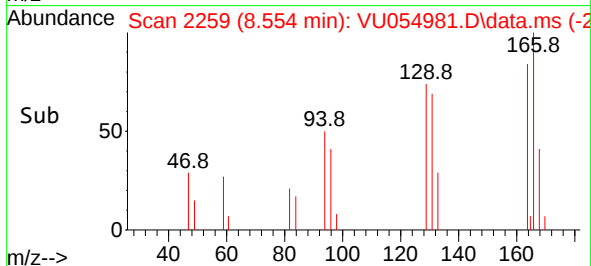
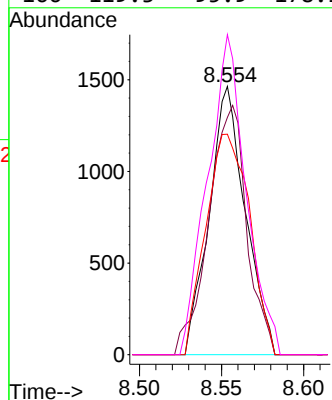
Ion Ratio Lower Upper

164 100

129 88.5 72.8 135.2

131 82.2 70.7 131.3

166 119.3 95.9 178.1



#48

2-Hexanone

Concen: 3.808 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU054981.D

Acq: 30 Aug 2023 02:03

Tgt Ion: 43 Resp: 17083

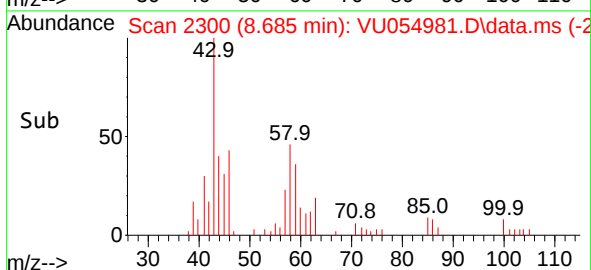
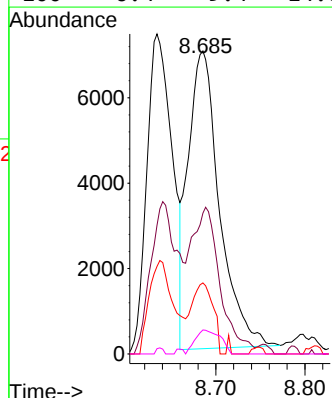
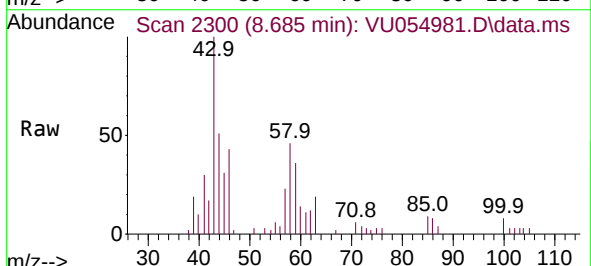
Ion Ratio Lower Upper

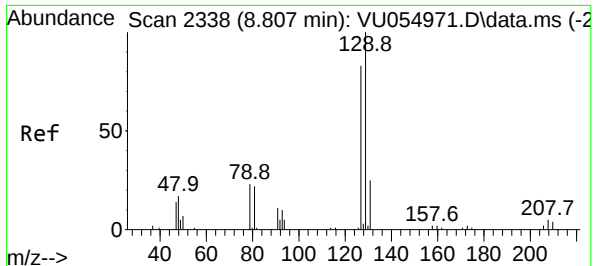
43 100

58 44.5 44.0 66.0

57 16.2 15.9 23.9

100 6.4 9.4 14.0#





#49

Dibromochloromethane

Concen: 0.257 ug/L

RT: 8.557 min Scan# 21

Delta R.T. -0.251 min

Lab File: VU054981.D

Acq: 30 Aug 2023 02:03

Instrument :

MSVOA_U

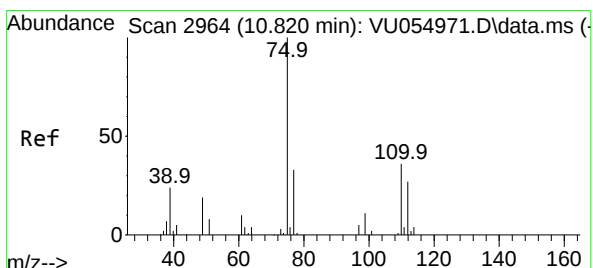
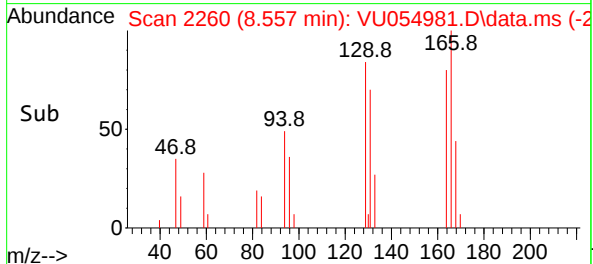
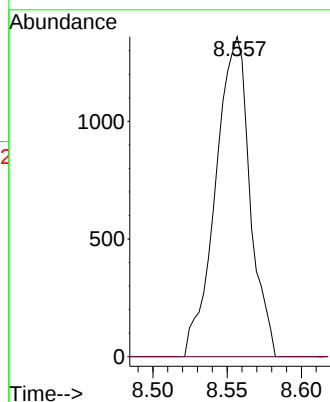
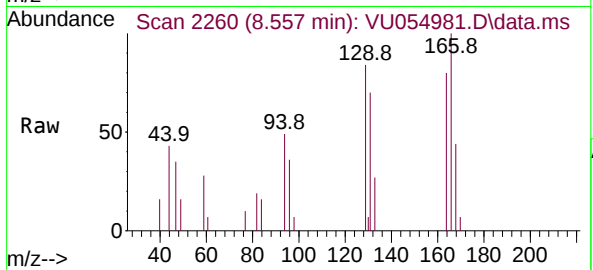
ClientSampleId :

Tgt Ion:129 Resp: 2187

Ion Ratio Lower Upper

129 100

127 0.0 60.5 112.5#



#61

1,2,3-Trichloropropane

Concen: 1.933 ug/L

RT: 11.811 min Scan# 3272

Delta R.T. 0.990 min

Lab File: VU054981.D

Acq: 30 Aug 2023 02:03

Tgt Ion: 75 Resp: 11683

Ion Ratio Lower Upper

75 100

110 2.6 29.0 43.6#

77 31.3 26.5 39.7

