

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062123\
 Data File : VU054640.D
 Acq On : 21 Jun 2023 16:21
 Operator : MD/SY
 Sample : VIBLK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK166

Quant Time: Jun 22 02:45:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 22 02:42:14 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	322207	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	309131	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	141504	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	107686	5.251	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.000%
7) Chloroethane-d5	1.911	69	82777	4.312	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.200%
11) 1,1-Dichloroethene-d2	2.563	65	42496	4.640	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.800%
20) 2-Butanone-d5	4.627	46	240000	41.628	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.260%
24) Chloroform-d	5.058	84	168687	3.936	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.800%
26) 1,2-Dichloroethane-d4	5.698	65	86188	4.125	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.400%
32) Benzene-d6	5.724	84	340289	3.960	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.200%
36) 1,2-Dichloropropane-d6	6.688	67	115788	4.035	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.600%
41) Toluene-d8	7.894	98	286586	3.758	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.200%
43) trans-1,3-Dichloroprop...	8.177	79	39365	3.945	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.800%
46) 2-Hexanone-d5	8.634	63	165261	39.472	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.940%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	83859	3.919	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	96968	4.063	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.521	50	7483	0.216	ug/L	93
5) Vinyl chloride	1.605	62	4300	0.121	ug/L #	62
6) Bromomethane	1.856	94	4173	0.214	ug/L	95
8) Chloroethane	1.930	64	2803	0.132	ug/L	93
12) 1,1-Dichloroethene	2.573	96	3852	0.165	ug/L #	1
14) Carbon disulfide	2.788	76	9331	0.135	ug/L	98
15) Methyl Acetate	2.962	43	2019	0.200	ug/L #	70
16) Methylene chloride	3.046	84	16835	0.512	ug/L	93
18) trans-1,2-Dichloroethene	3.354	96	3078	0.128	ug/L	84
19) 1,1-Dichloroethane	3.869	63	6568	0.132	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	16016	0.583	ug/L	95
23) Bromochloromethane	4.978	128	1444	0.126	ug/L #	85
27) 1,2-Dichloroethane	5.798	62	3862	0.134	ug/L	96
33) Benzene	5.775	78	13919	0.125	ug/L	100
34) Trichloroethene	6.537	95	42292	1.440	ug/L	96
38) Bromodichloromethane	7.110	83	4592	0.135	ug/L	78
39) cis-1,3-Dichloropropene	7.605	75	5015	0.122	ug/L	89
45) 1,1,2-Trichloroethane	8.399	97	1844	0.096	ug/L	84
48) 2-Hexanone	8.688	43	8747	0.732	ug/L #	90

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jun 22 02:42:14 2023
Response via : Initial Calibration

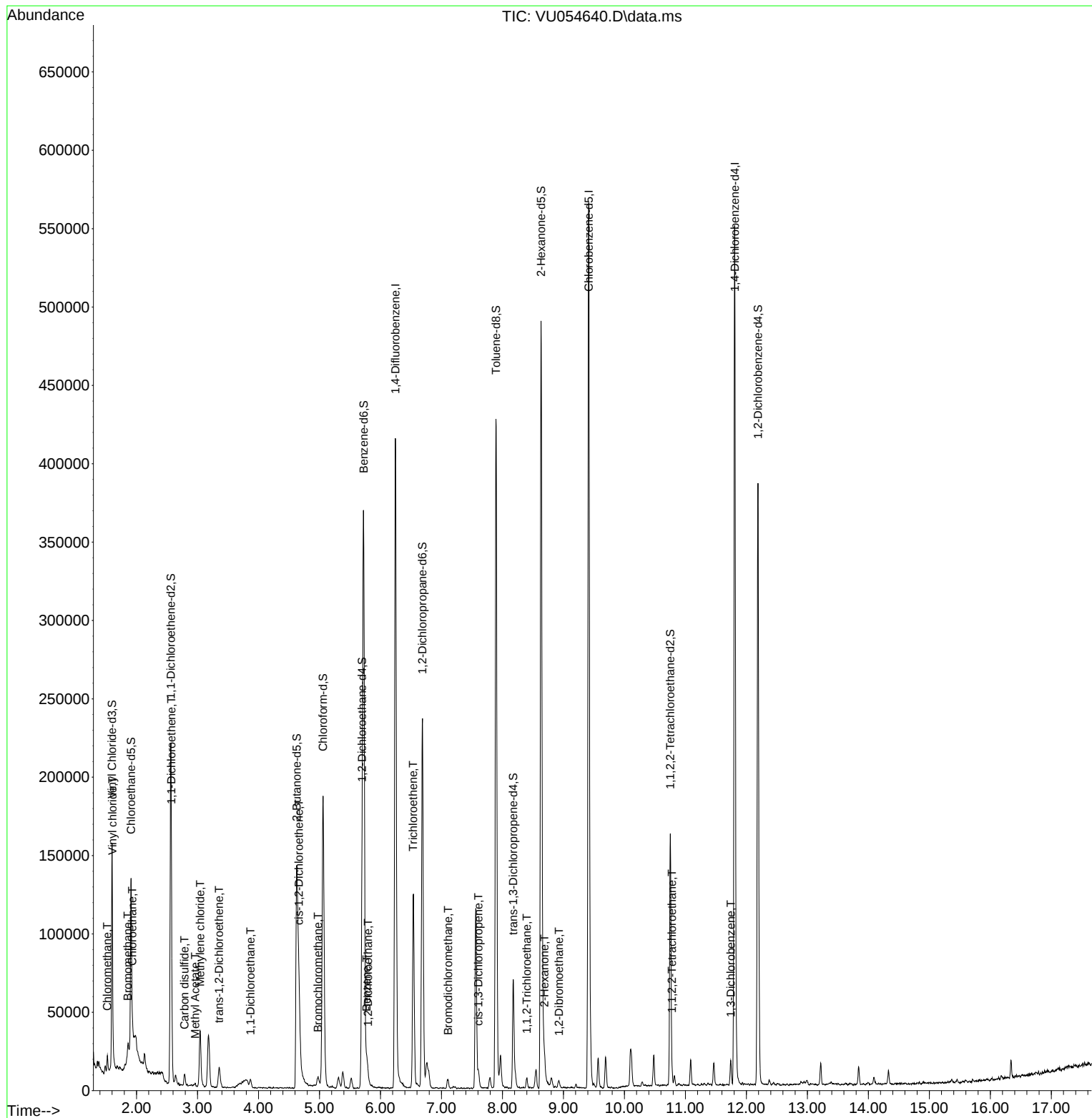
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 1,2-Dibromoethane	8.926	107	2014	0.115	ug/L #	82
57) 1,1,2,2-Tetrachloroethane	10.778	83	3034	0.125	ug/L #	90
64) 1,3-Dichlorobenzene	11.746	146	5928	0.123	ug/L	96

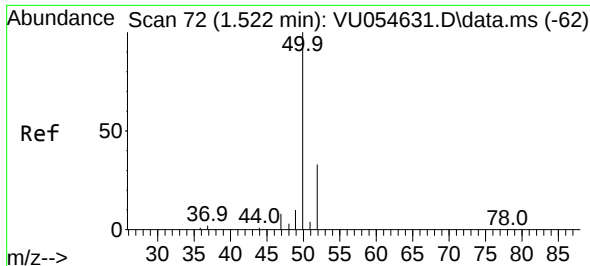
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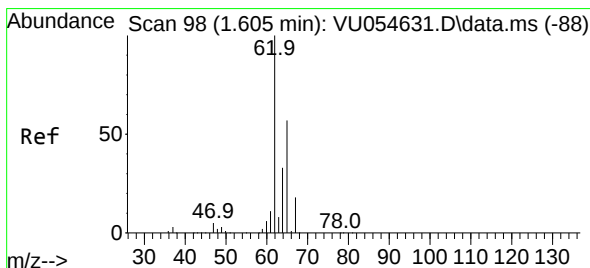
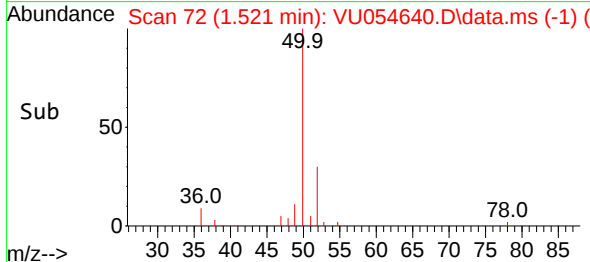
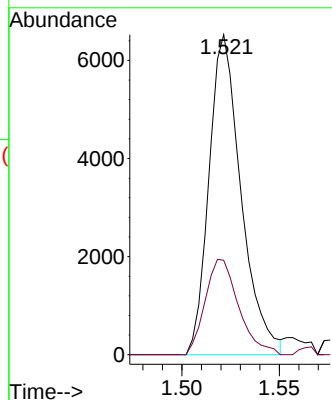
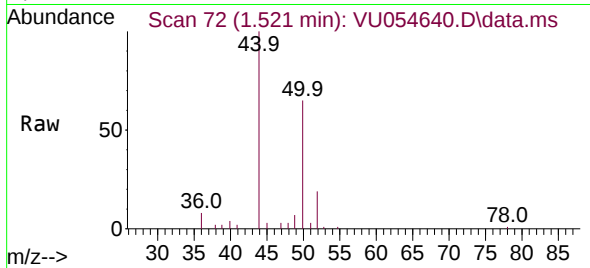




#3
Chloromethane
Concen: 0.216 ug/L
RT: 1.521 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU054640.D
Acq: 21 Jun 2023 16:21

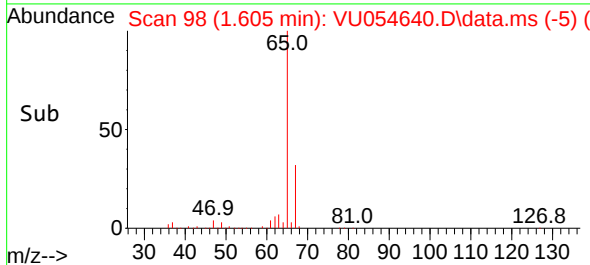
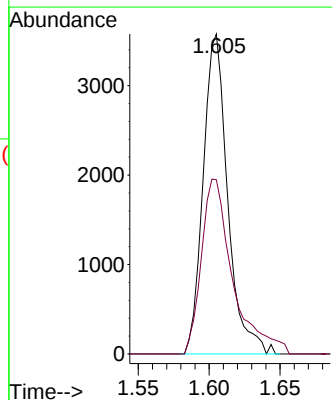
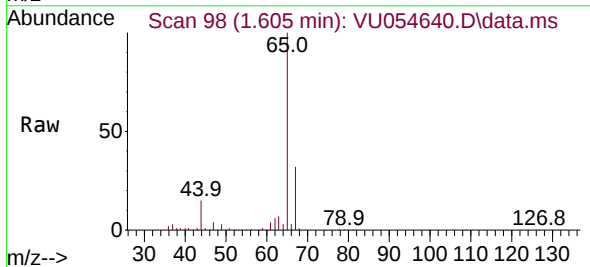
Instrument :
MSVOA_U
ClientSampleId :
VIBLK166

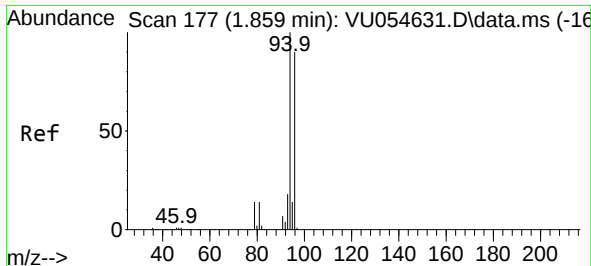
Tgt Ion: 50 Resp: 7483
Ion Ratio Lower Upper
50 100
52 29.5 23.4 43.4



#5
Vinyl chloride
Concen: 0.121 ug/L
RT: 1.605 min Scan# 98
Delta R.T. -0.000 min
Lab File: VU054640.D
Acq: 21 Jun 2023 16:21

Tgt Ion: 62 Resp: 4300
Ion Ratio Lower Upper
62 100
64 54.5 23.0 42.6#

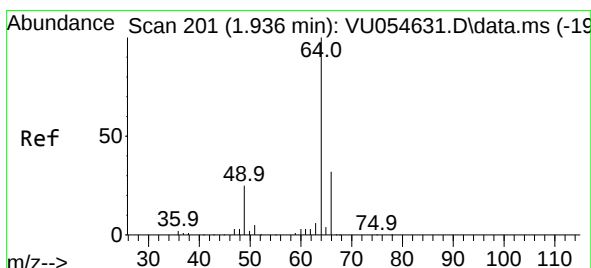
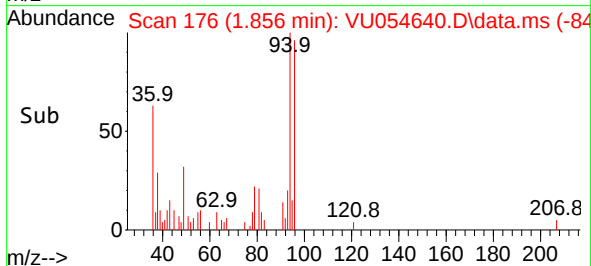
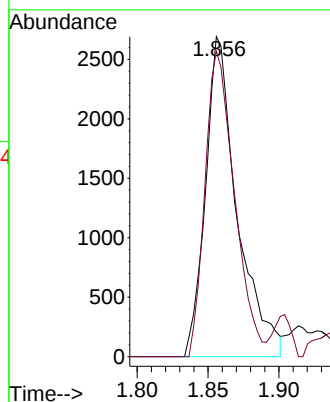
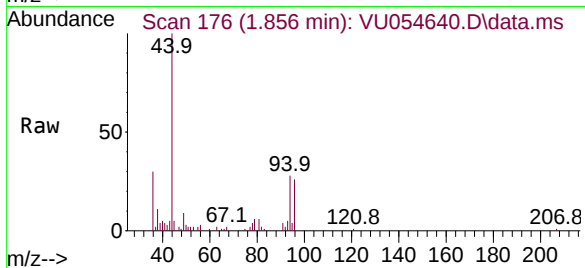




#6
Bromomethane
Concen: 0.214 ug/L
RT: 1.856 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054640.D
Acq: 21 Jun 2023 16:21

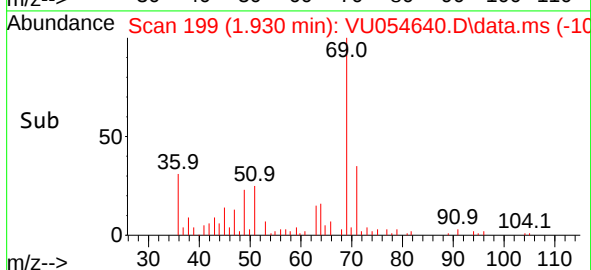
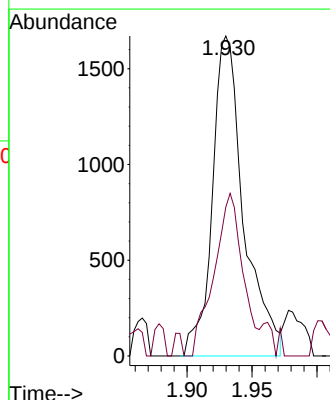
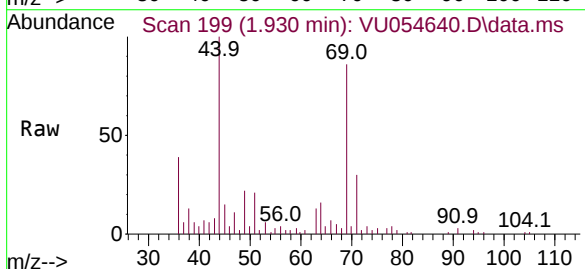
Instrument :
MSVOA_U
ClientSampleId :
VIBLK166

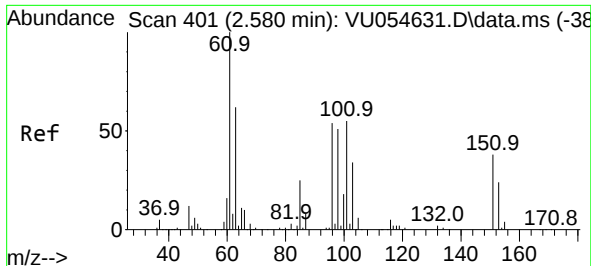
Tgt Ion: 94 Resp: 4173
Ion Ratio Lower Upper
94 100
96 95.5 63.6 118.2



#8
Chloroethane
Concen: 0.132 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.007 min
Lab File: VU054640.D
Acq: 21 Jun 2023 16:21

Tgt Ion: 64 Resp: 2803
Ion Ratio Lower Upper
64 100
66 36.8 22.9 42.5





#12

1,1-Dichloroethene

Concen: 0.165 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.007 min

Lab File: VU054640.D

Acq: 21 Jun 2023 16:21

Instrument :

MSVOA_U

ClientSampleId :

VIBLK166

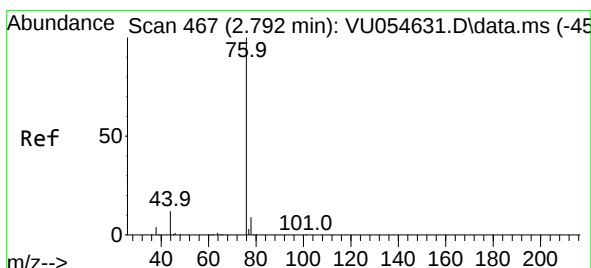
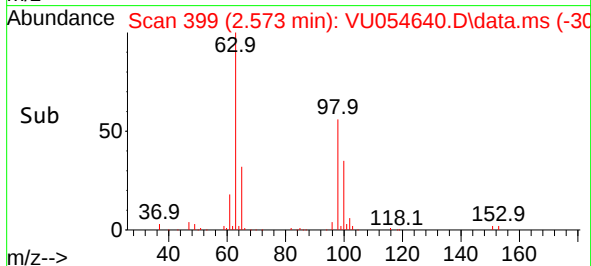
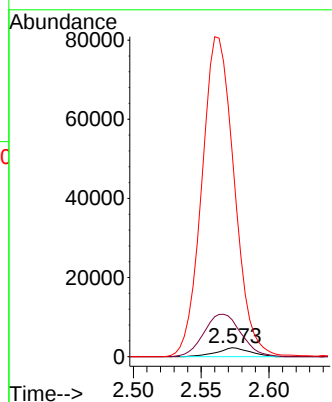
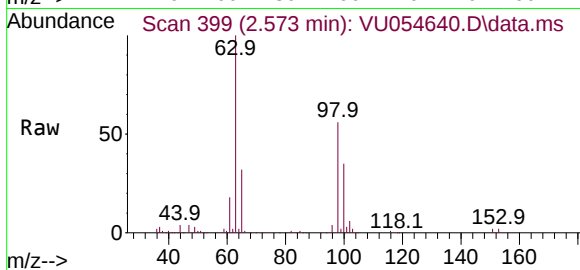
Tgt Ion: 96 Resp: 3852

Ion Ratio Lower Upper

96 100

61 411.3 119.9 222.7#

63 2280.5 64.3 119.3#



#14

Carbon disulfide

Concen: 0.135 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU054640.D

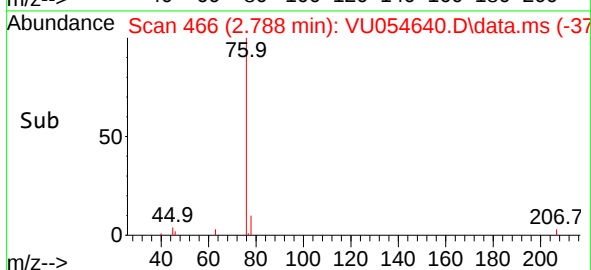
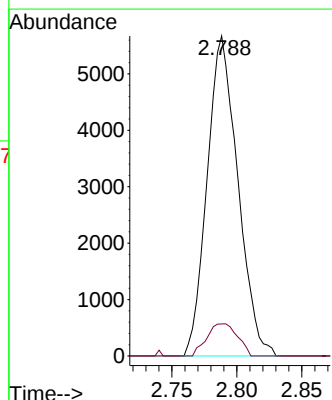
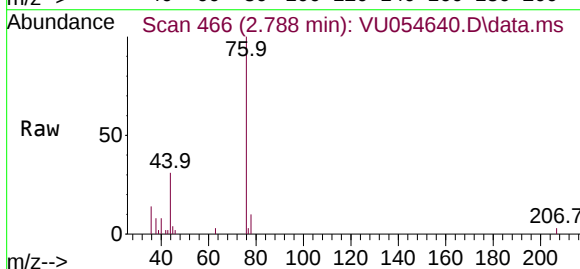
Acq: 21 Jun 2023 16:21

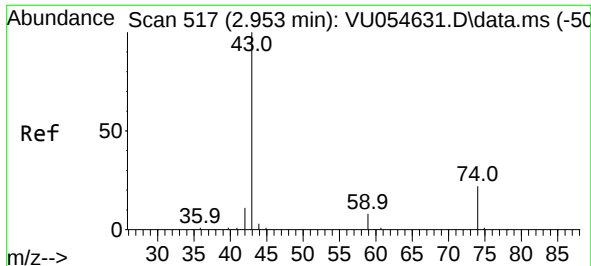
Tgt Ion: 76 Resp: 9331

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.0

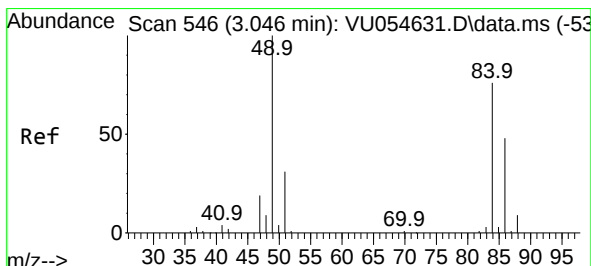
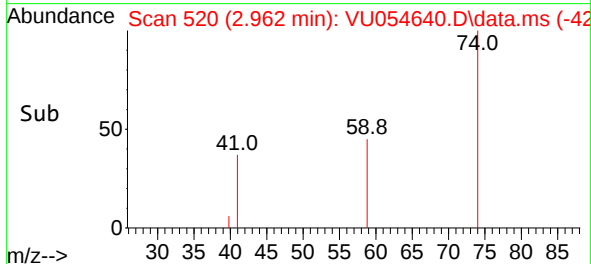
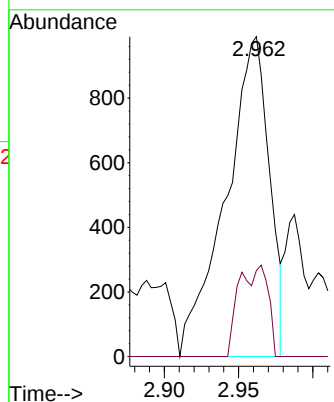
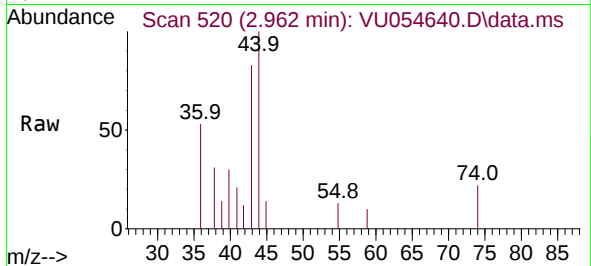




#15
Methyl Acetate
Concen: 0.200 ug/L
RT: 2.962 min Scan# 517
Delta R.T. 0.009 min
Lab File: VU054640.D
Acq: 21 Jun 2023 16:21

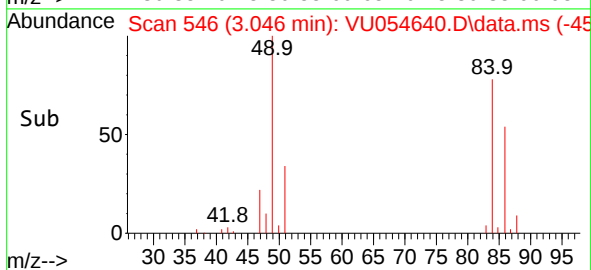
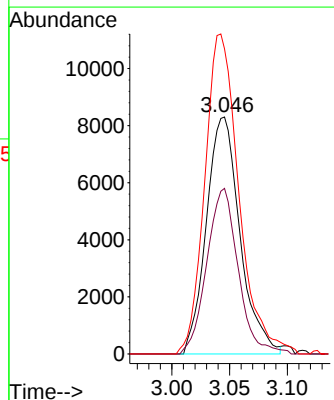
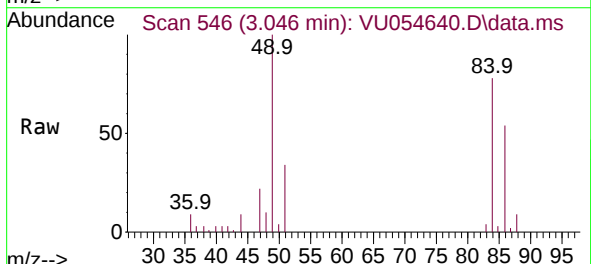
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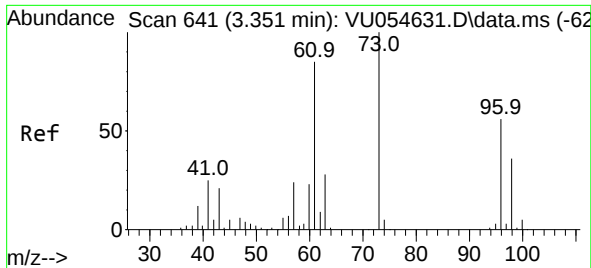
Tgt Ion: 43 Resp: 2019
Ion Ratio Lower Upper
43 100
74 9.1 19.0 28.6#



#16
Methylene chloride
Concen: 0.512 ug/L
RT: 3.046 min Scan# 546
Delta R.T. -0.000 min
Lab File: VU054640.D
Acq: 21 Jun 2023 16:21

Tgt Ion: 84 Resp: 16835
Ion Ratio Lower Upper
84 100
86 69.9 43.9 81.5
49 128.7 86.1 159.9

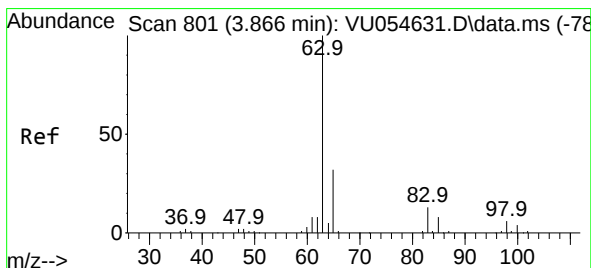
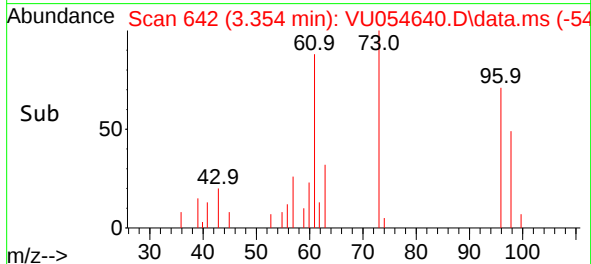
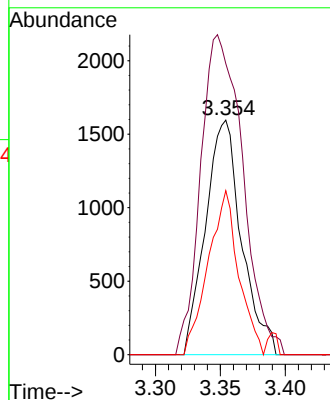
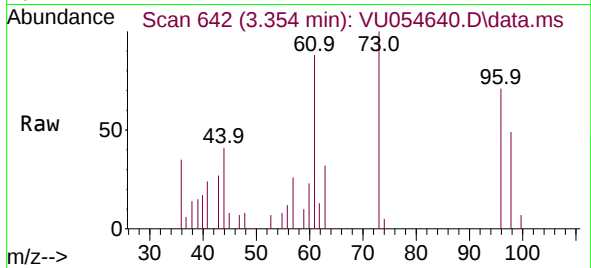




#18
trans-1,2-Dichloroethene
Concen: 0.128 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054640.D
Acq: 21 Jun 2023 16:21

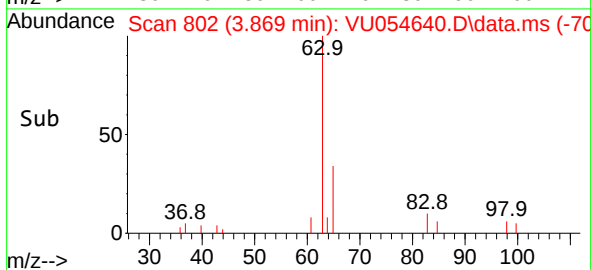
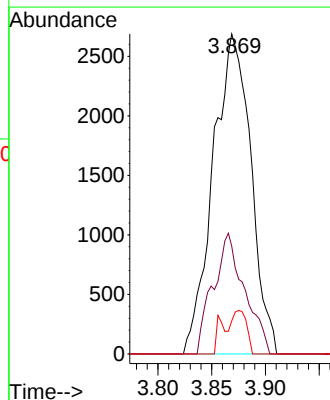
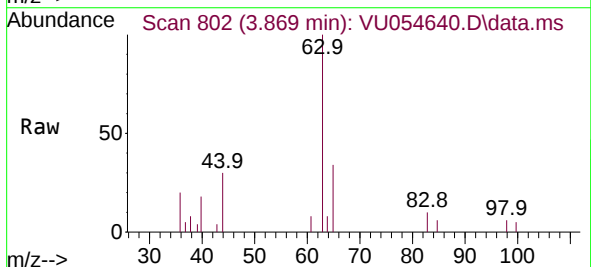
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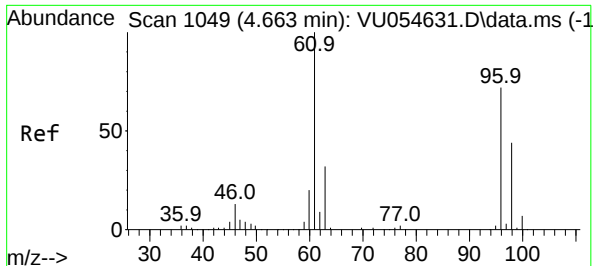
Tgt Ion: 96 Resp: 3078
Ion Ratio Lower Upper
96 100
61 124.1 104.6 194.2
98 69.9 45.4 84.4



#19
1,1-Dichloroethane
Concen: 0.132 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.003 min
Lab File: VU054640.D
Acq: 21 Jun 2023 16:21

Tgt Ion: 63 Resp: 6568
Ion Ratio Lower Upper
63 100
65 31.2 22.2 41.2
83 9.5 9.0 16.6

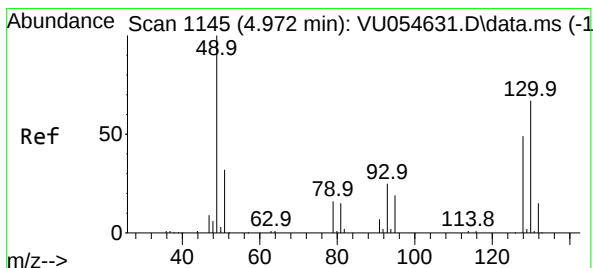
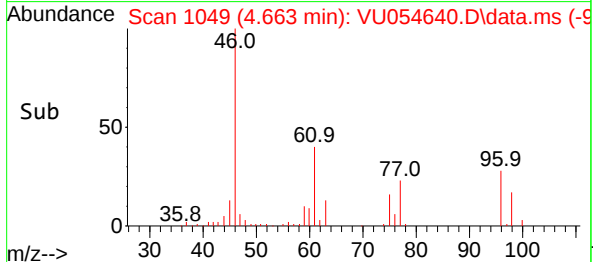
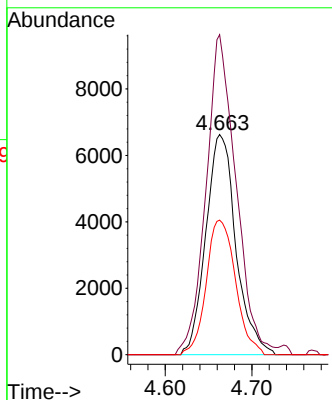
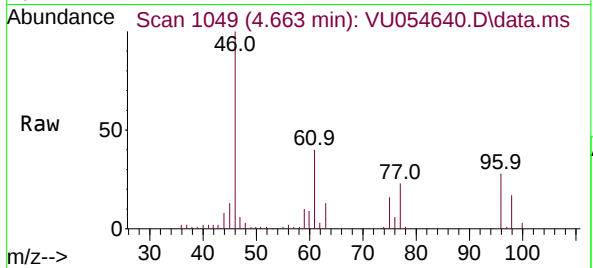




#22
 cis-1,2-Dichloroethene
 Concen: 0.583 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054640.D
 Acq: 21 Jun 2023 16:21

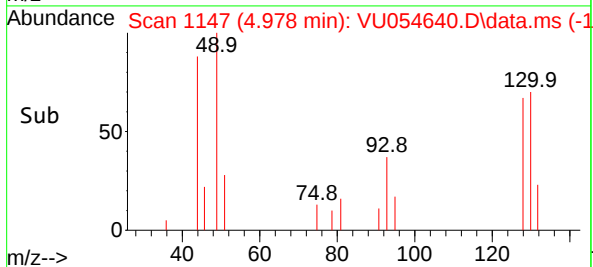
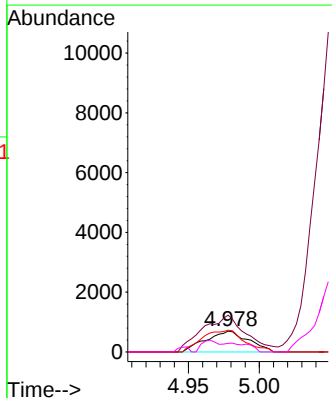
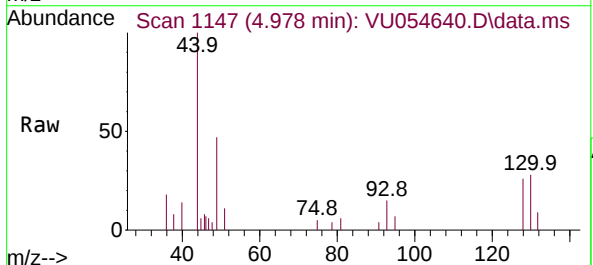
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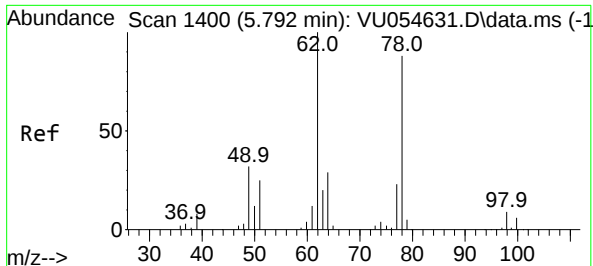
Tgt Ion: 96 Resp: 16016
 Ion Ratio Lower Upper
 96 100
 61 145.3 96.5 179.1
 98 61.1 44.9 83.3



#23
 Bromochloromethane
 Concen: 0.126 ug/L
 RT: 4.978 min Scan# 1147
 Delta R.T. 0.006 min
 Lab File: VU054640.D
 Acq: 21 Jun 2023 16:21

Tgt Ion: 128 Resp: 1444
 Ion Ratio Lower Upper
 128 100
 49 177.7 132.1 245.3
 130 105.2 91.5 169.9
 51 41.6 46.2 69.4#

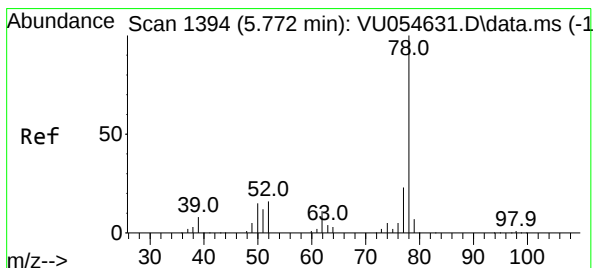
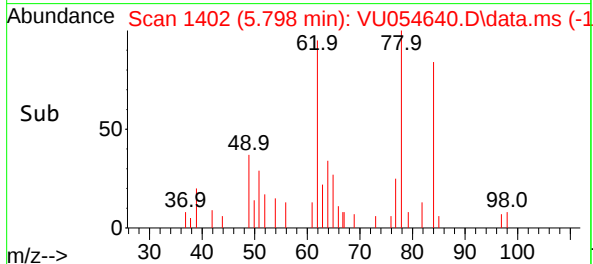
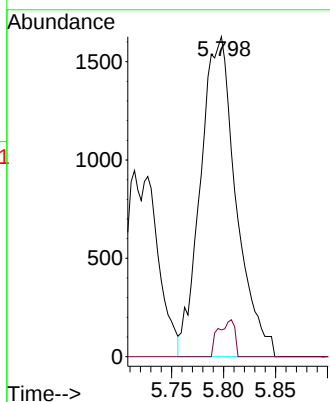
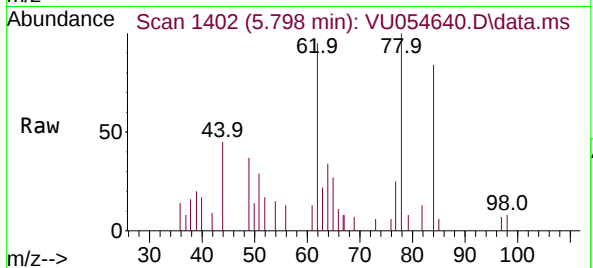




#27
 1,2-Dichloroethane
 Concen: 0.134 ug/L
 RT: 5.798 min Scan# 1400
 Delta R.T. 0.006 min
 Lab File: VU054640.D
 Acq: 21 Jun 2023 16:21

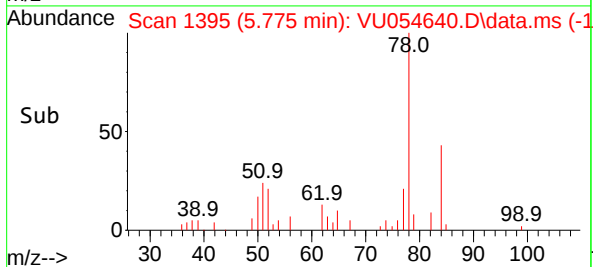
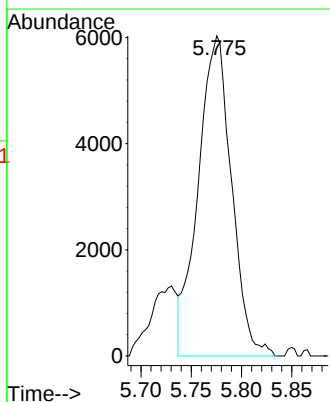
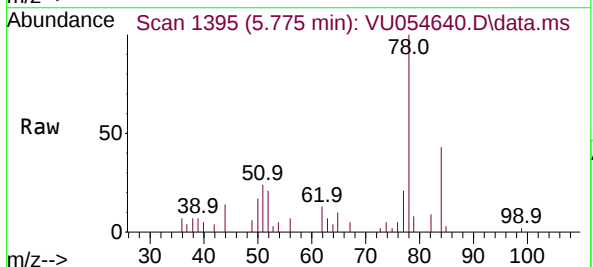
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK166

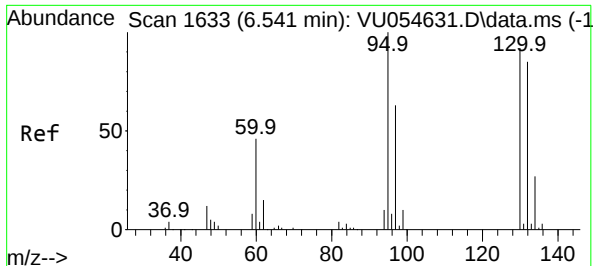
Tgt Ion: 62 Resp: 3862
 Ion Ratio Lower Upper
 62 100
 98 8.4 7.8 11.6



#33
 Benzene
 Concen: 0.125 ug/L
 RT: 5.775 min Scan# 1395
 Delta R.T. 0.003 min
 Lab File: VU054640.D
 Acq: 21 Jun 2023 16:21

Tgt Ion: 78 Resp: 13919



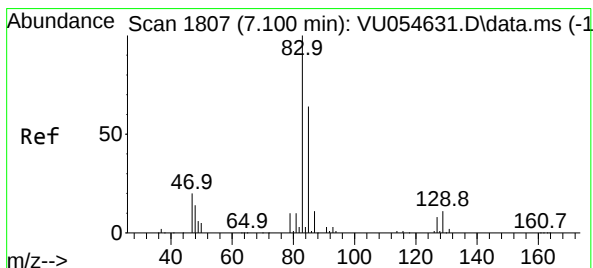
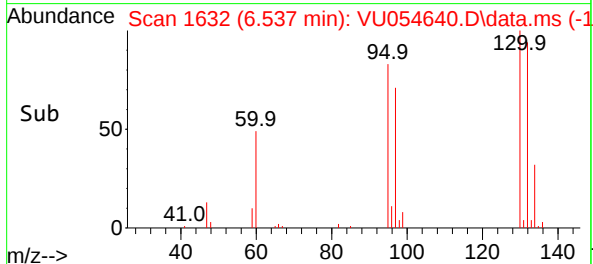
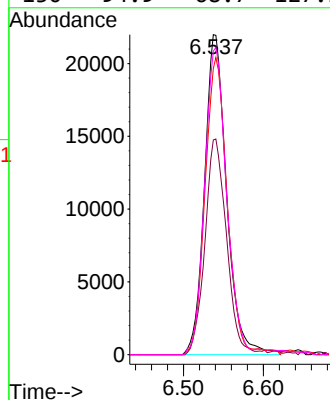
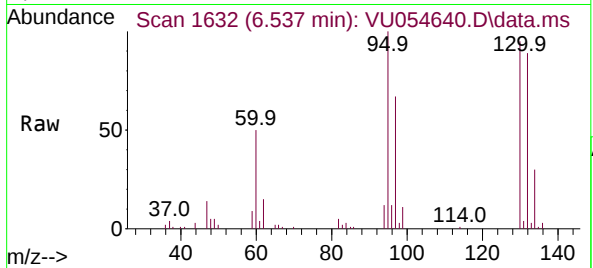


#34
Trichloroethene
Concen: 1.440 ug/L
RT: 6.537 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054640.D
Acq: 21 Jun 2023 16:21

Instrument :
MSVOA_U
ClientSampleId :
VIBLK166

Tgt Ion: 95 Resp: 42292

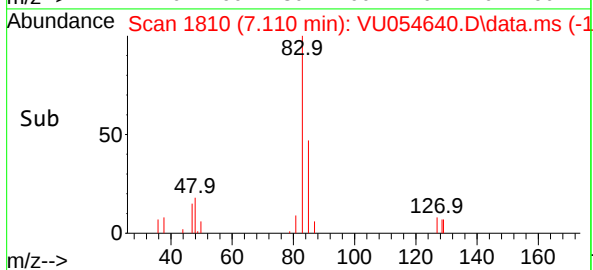
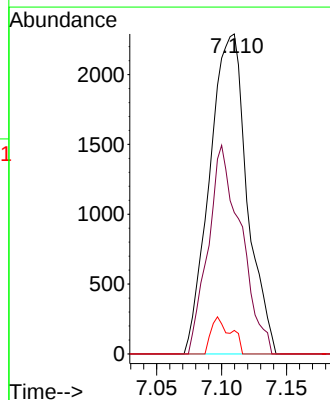
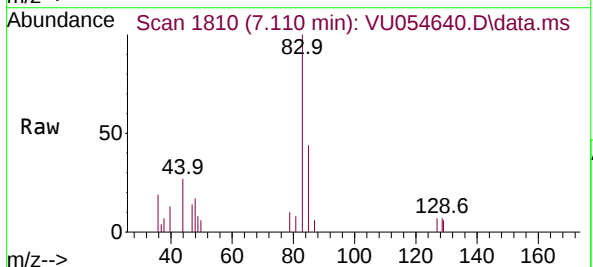
Ion	Ratio	Lower	Upper
95	100		
97	67.1	46.8	87.0
132	89.4	68.4	127.0
130	94.9	68.7	127.5

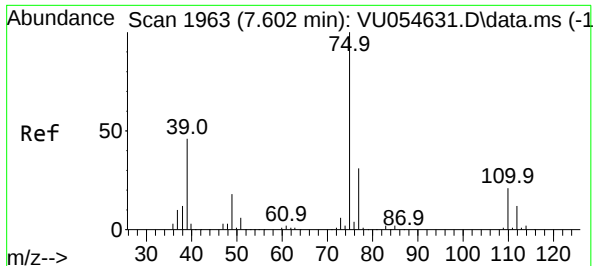


#38
Bromodichloromethane
Concen: 0.135 ug/L
RT: 7.110 min Scan# 1810
Delta R.T. 0.009 min
Lab File: VU054640.D
Acq: 21 Jun 2023 16:21

Tgt Ion: 83 Resp: 4592

Ion	Ratio	Lower	Upper
83	100		
85	44.2	44.1	81.9
127	7.3	6.6	10.0





#39

cis-1,3-Dichloropropene

Concen: 0.122 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU054640.D

Acq: 21 Jun 2023 16:21

Instrument :

MSVOA_U

ClientSampleId :

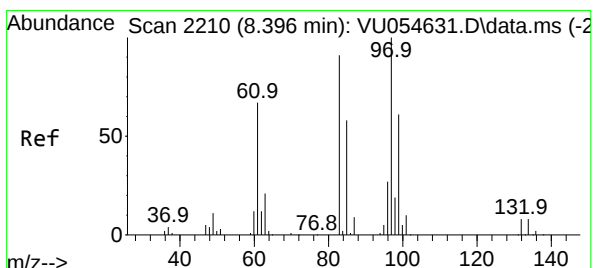
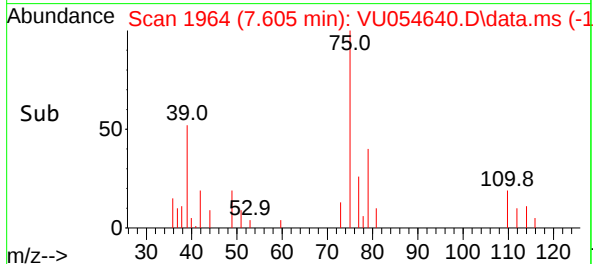
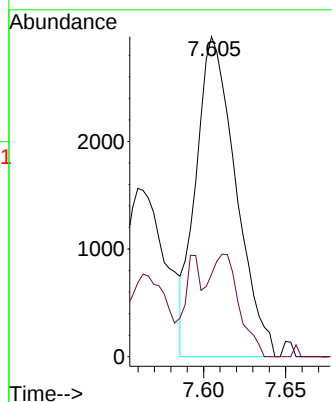
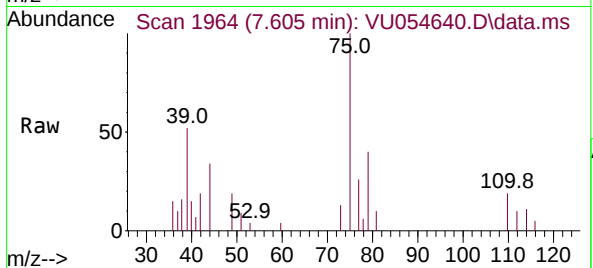
VIBLK166

Tgt Ion: 75 Resp: 5015

Ion Ratio Lower Upper

75 100

77 25.8 22.3 41.5



#45

1,1,2-Trichloroethane

Concen: 0.096 ug/L

RT: 8.399 min Scan# 2211

Delta R.T. 0.003 min

Lab File: VU054640.D

Acq: 21 Jun 2023 16:21

Tgt Ion: 97 Resp: 1844

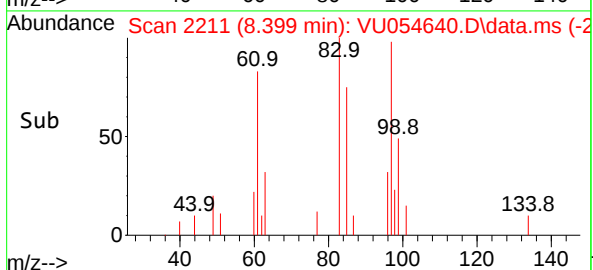
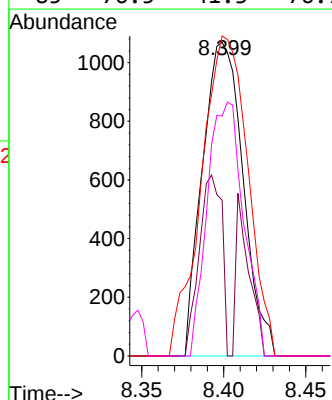
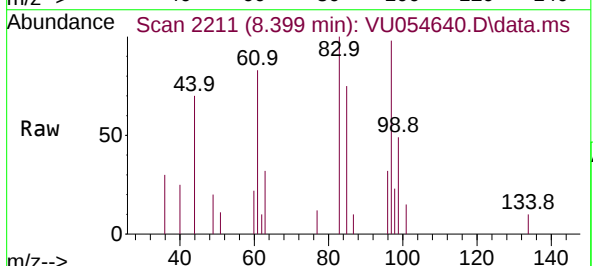
Ion Ratio Lower Upper

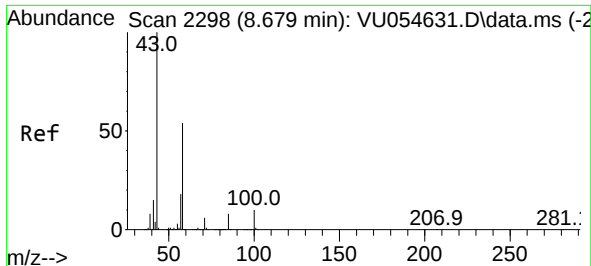
97 100

99 49.7 43.0 80.0

83 102.1 63.8 118.6

85 76.5 41.3 76.7





#48

2-Hexanone

Concen: 0.732 ug/L

RT: 8.688 min Scan# 21

Delta R.T. 0.009 min

Lab File: VU054640.D

Acq: 21 Jun 2023 16:21

Instrument :

MSVOA_U

ClientSampleId :

VIBLK166

Tgt Ion: 43 Resp: 8747

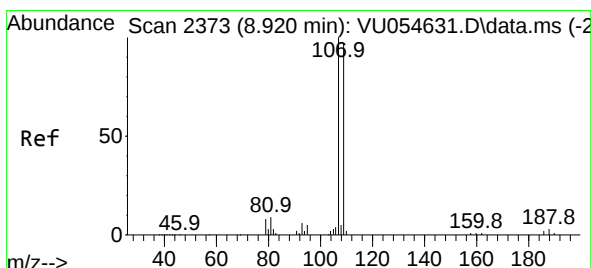
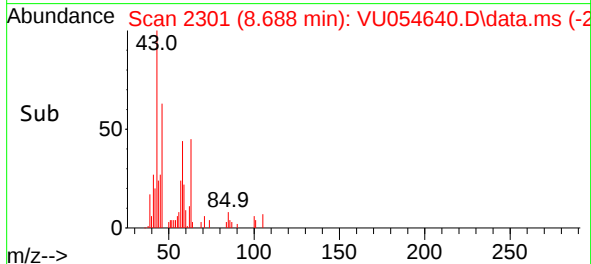
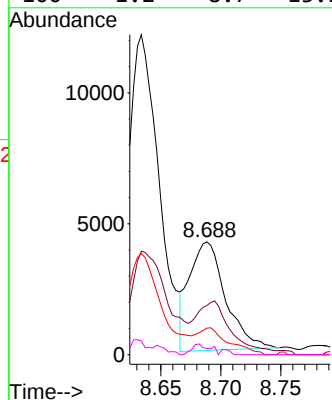
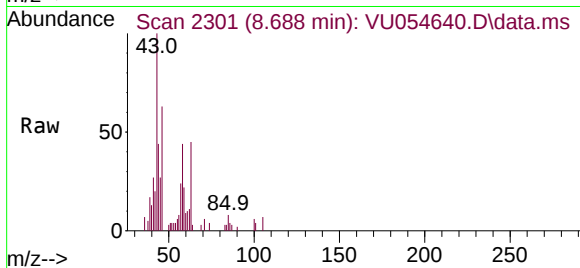
Ion Ratio Lower Upper

43 100

58 49.4 45.2 67.8

57 21.4 15.8 23.6

100 1.2 8.7 13.1#



#50

1,2-Dibromoethane

Concen: 0.115 ug/L

RT: 8.926 min Scan# 2375

Delta R.T. 0.006 min

Lab File: VU054640.D

Acq: 21 Jun 2023 16:21

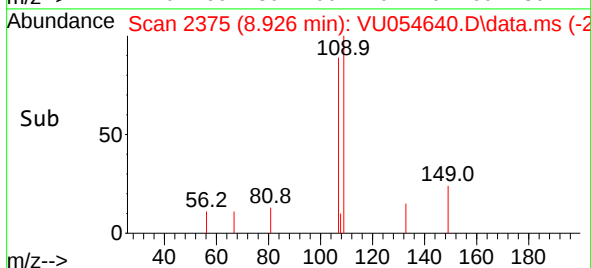
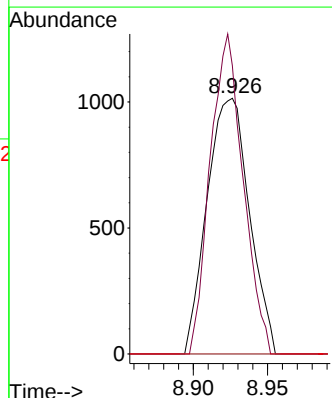
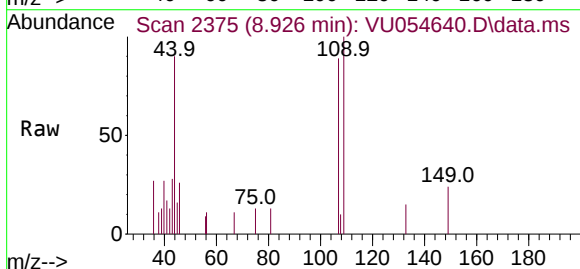
Tgt Ion: 107 Resp: 2014

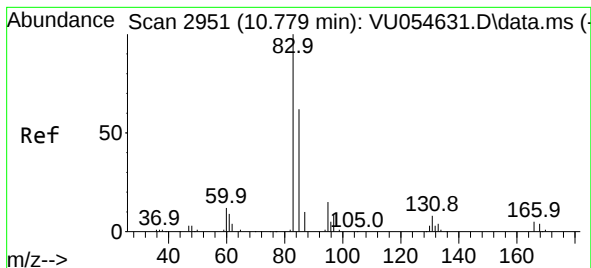
Ion Ratio Lower Upper

107 100

109 112.7 66.6 123.6

188 0.0 3.1 4.7#





#57

1,1,2,2-Tetrachloroethane

Concen: 0.125 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU054640.D

Acq: 21 Jun 2023 16:21

Instrument :

MSVOA_U

ClientSampleId :

VIBLK166

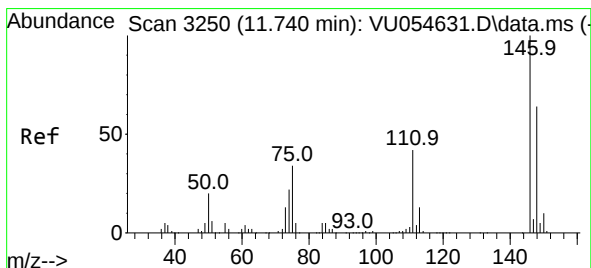
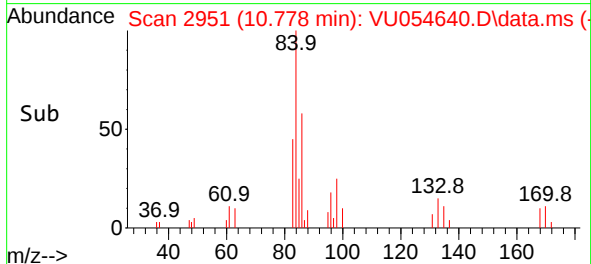
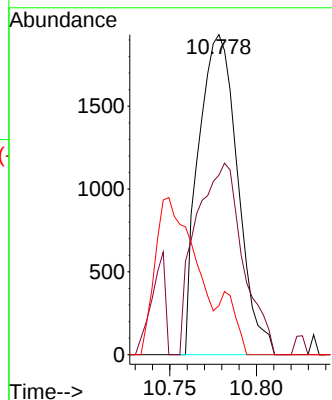
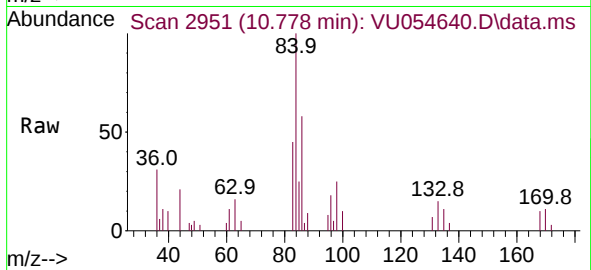
Tgt Ion: 83 Resp: 3034

Ion Ratio Lower Upper

83 100

85 56.1 44.2 82.2

131 15.4 7.0 10.6#



#64

1,3-Dichlorobenzene

Concen: 0.123 ug/L

RT: 11.746 min Scan# 3252

Delta R.T. 0.006 min

Lab File: VU054640.D

Acq: 21 Jun 2023 16:21

Tgt Ion:146 Resp: 5928

Ion Ratio Lower Upper

146 100

111 36.8 28.9 53.7

148 60.9 44.0 81.8

