

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082823\
 Data File : VU054925.D
 Acq On : 28 Aug 2023 15:45
 Operator : MD/SY
 Sample : 04173-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 04:59:05 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	177555	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	173049	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	86541	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	29444	5.254	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.000%
7) Chloroethane-d5	1.907	69	37124	5.128	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.600%
11) 1,1-Dichloroethene-d2	2.563	65	16287	5.142	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.800%
20) 2-Butanone-d5	4.627	46	183373	60.620	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.240%
24) Chloroform-d	5.058	84	105184	5.060	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	5.701	65	61640	5.572	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.400%
32) Benzene-d6	5.724	84	197786	5.085	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
36) 1,2-Dichloropropane-d6	6.688	67	71323	5.213	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.200%
41) Toluene-d8	7.897	98	187185	5.025	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
43) trans-1,3-Dichloroprop...	8.177	79	23307	5.177	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.600%
46) 2-Hexanone-d5	8.634	63	117683	55.070	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.140%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	62317	5.312	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	73718	5.335	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	2277	0.198	ug/L	93
5) Vinyl chloride	1.599	62	8316	0.698	ug/L	91
8) Chloroethane	1.930	64	2738	0.349	ug/L	89
12) 1,1-Dichloroethene	2.576	96	4486	0.560	ug/L #	1
13) Acetone	2.631	43	14935	9.134	ug/L	97
15) Methyl Acetate	2.792	43	41224	12.316	ug/L #	51
18) trans-1,2-Dichloroethene	3.354	96	8731	0.997	ug/L	92
19) 1,1-Dichloroethane	3.872	63	2404	0.131	ug/L	93
21) 2-Butanone	4.717	43	33981	13.563	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	559749	53.588	ug/L	93
33) Benzene	5.769	78	6033	0.148	ug/L	100
34) Trichloroethene	6.541	95	1479998	130.816	ug/L	98
35) Methylcyclohexane	6.688	83	16641	0.994	ug/L #	18
37) 1,2-Dichloropropane	6.688	63	8245	0.724	ug/L #	90
39) cis-1,3-Dichloropropene	7.566	75	2091	0.128	ug/L #	69
47) Tetrachloroethene	8.550	164	37136	4.568	ug/L	93
48) 2-Hexanone	8.685	43	20212	4.302	ug/L #	90
49) Dibromochloromethane	8.550	129	37443	4.208	ug/L #	6
51) Chlorobenzene	9.447	112	28025	0.951	ug/L	96

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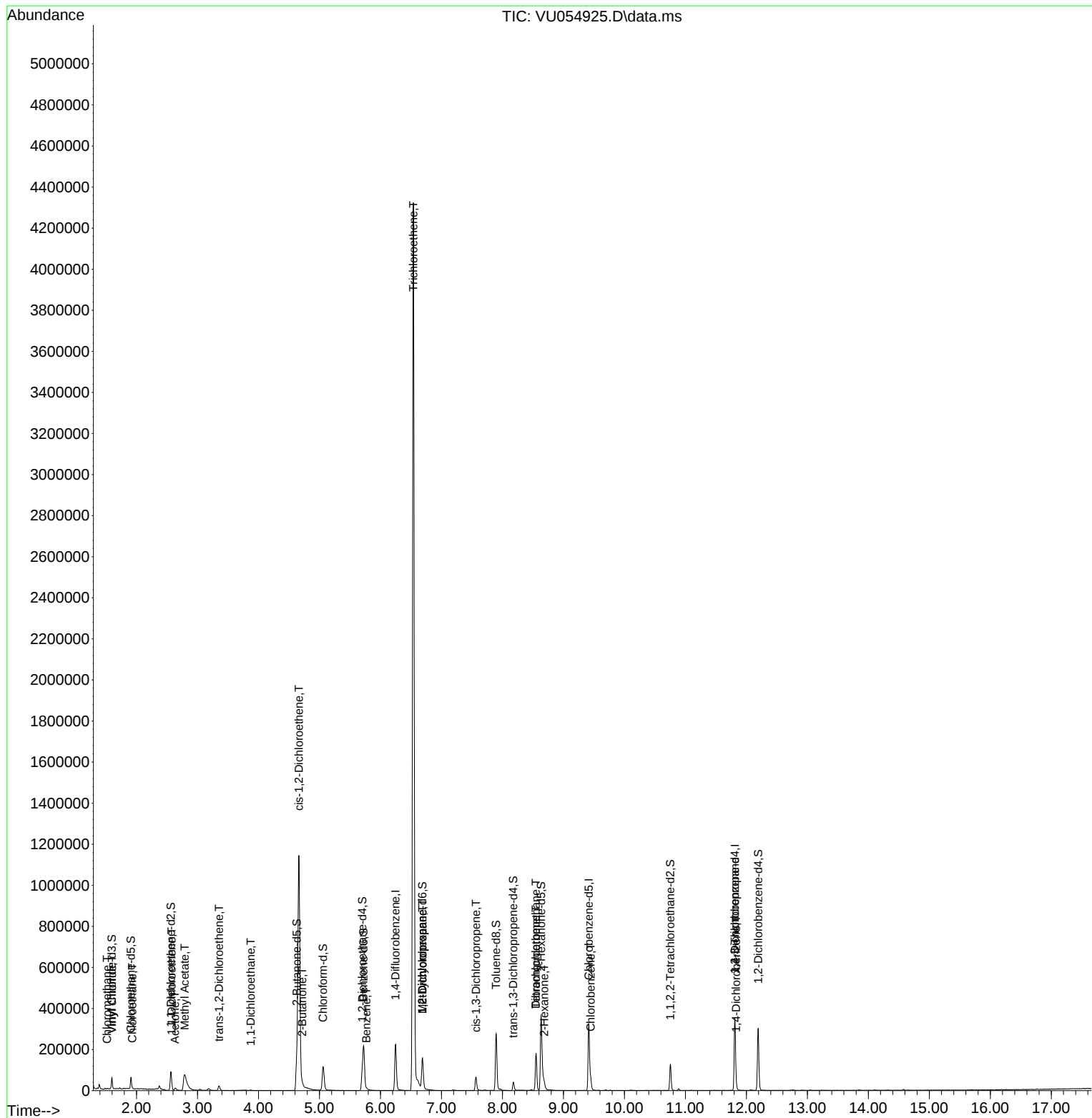
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.810	75	15078	2.340	ug/L #	63
65) 1,4-Dichlorobenzene	11.833	146	5386	0.249	ug/L	86

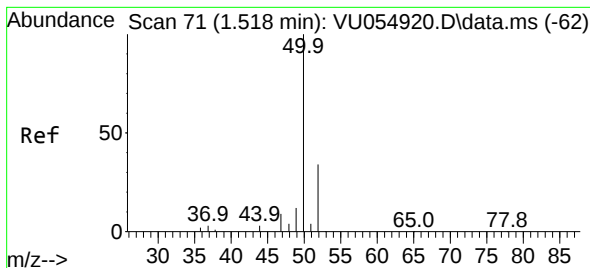
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.198 ug/L

RT: 1.518 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU054925.D

Acq: 28 Aug 2023 15:45

Instrument :

MSVOA_U

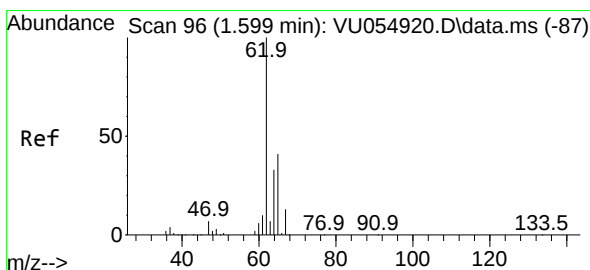
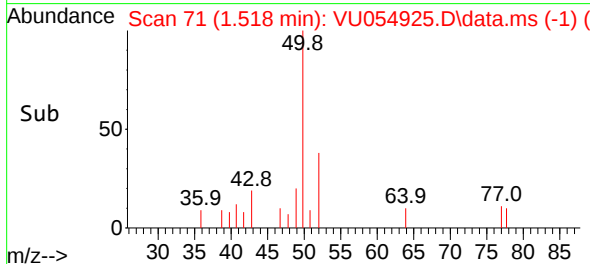
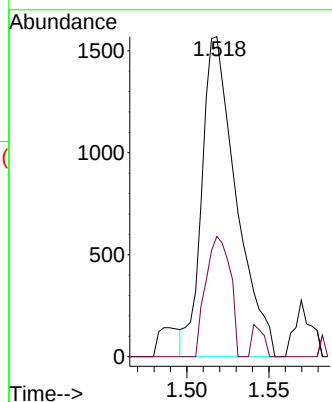
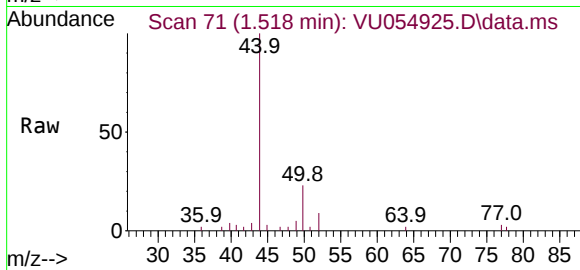
ClientSampleId :

Tgt Ion: 50 Resp: 2277

Ion Ratio Lower Upper

50 100

52 37.6 23.4 43.6



#5

Vinyl chloride

Concen: 0.698 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU054925.D

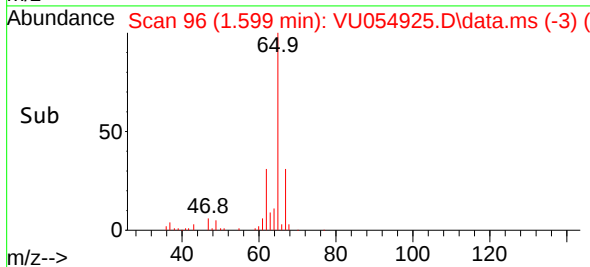
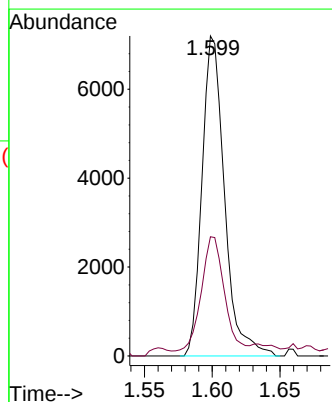
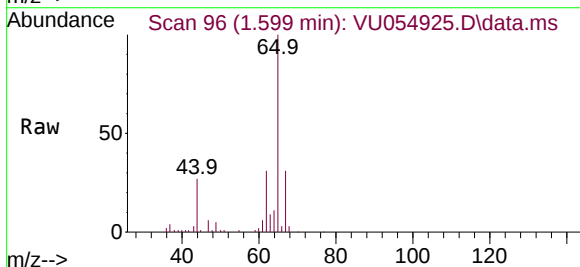
Acq: 28 Aug 2023 15:45

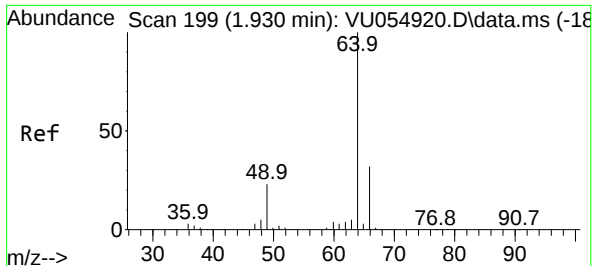
Tgt Ion: 62 Resp: 8316

Ion Ratio Lower Upper

62 100

64 37.3 22.7 42.1





#8

Chloroethane

Concen: 0.349 ug/L

RT: 1.930 min Scan# 19

Delta R.T. -0.000 min

Lab File: VU054925.D

Acq: 28 Aug 2023 15:45

Instrument :

MSVOA_U

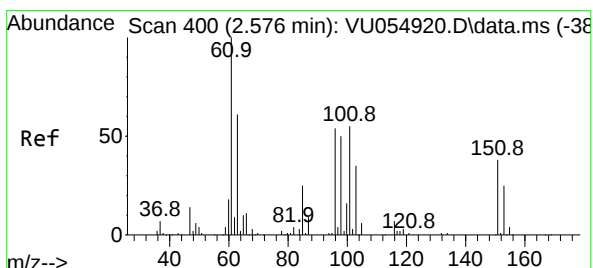
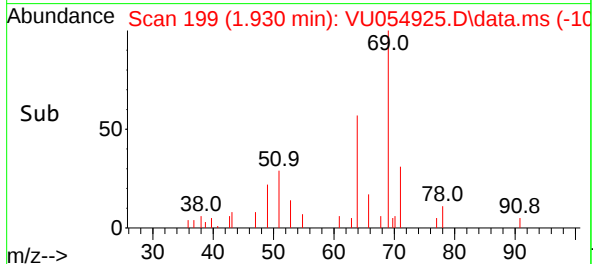
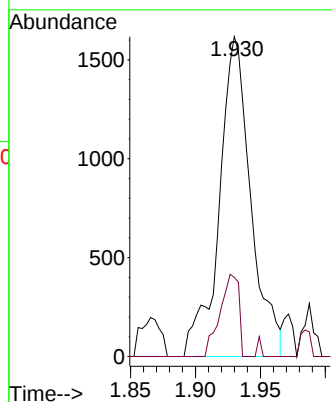
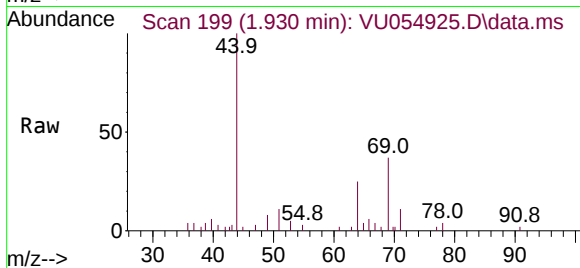
ClientSampleId :

Tgt Ion: 64 Resp: 2738

Ion Ratio Lower Upper

64 100

66 24.8 21.5 39.9



#12

1,1-Dichloroethene

Concen: 0.560 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU054925.D

Acq: 28 Aug 2023 15:45

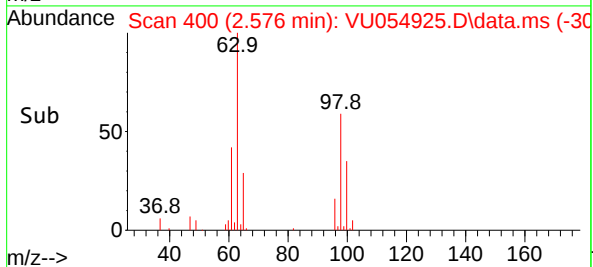
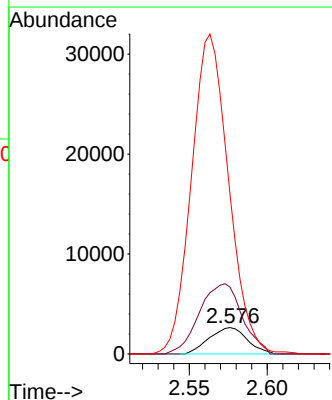
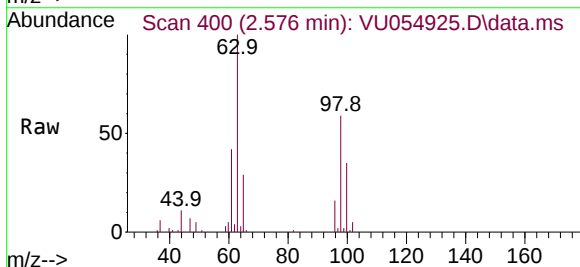
Tgt Ion: 96 Resp: 4486

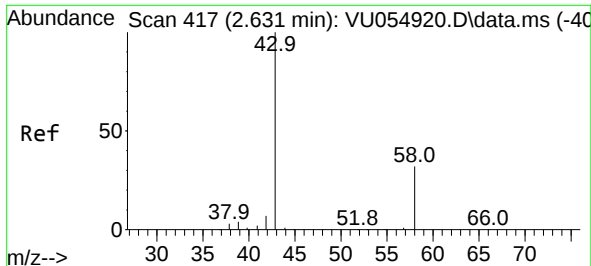
Ion Ratio Lower Upper

96 100

61 253.4 132.4 245.8#

63 606.7 82.5 153.1#





#13

Acetone

Concen: 9.134 ug/L

RT: 2.631 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU054925.D

Acq: 28 Aug 2023 15:45

Instrument :

MSVOA_U

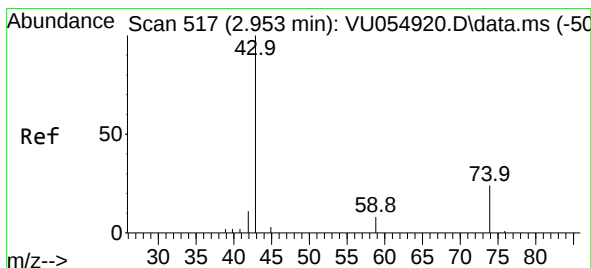
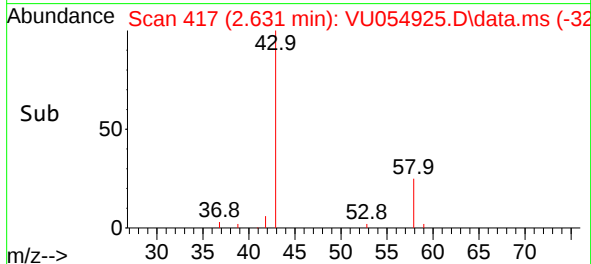
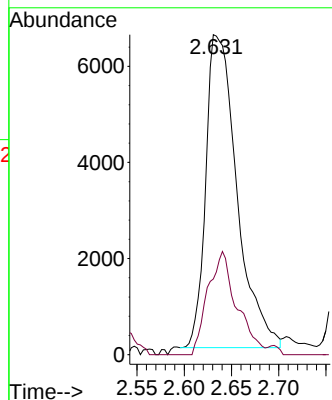
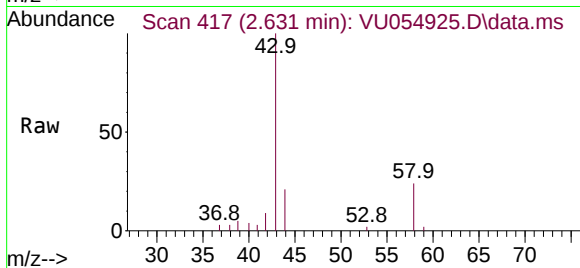
ClientSampleId :

Tgt Ion: 43 Resp: 14935

Ion Ratio Lower Upper

43 100

58 30.6 0.0 64.4



#15

Methyl Acetate

Concen: 12.316 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.161 min

Lab File: VU054925.D

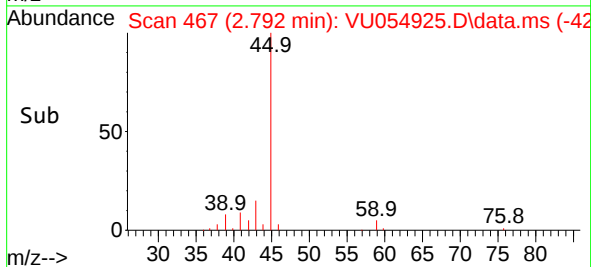
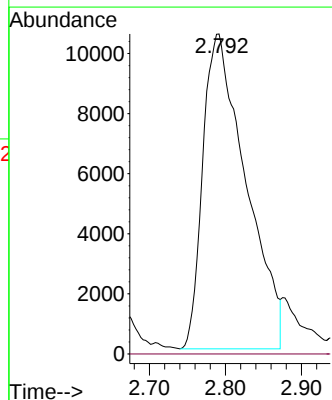
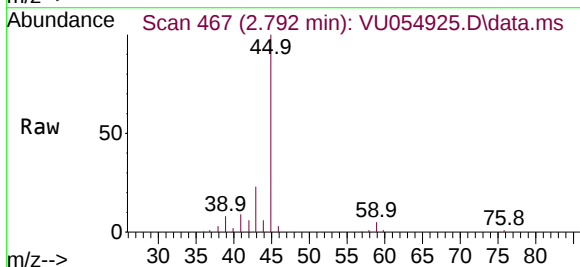
Acq: 28 Aug 2023 15:45

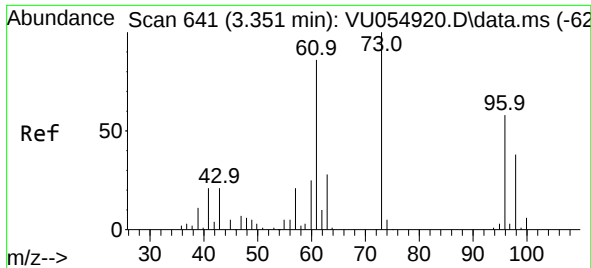
Tgt Ion: 43 Resp: 41224

Ion Ratio Lower Upper

43 100

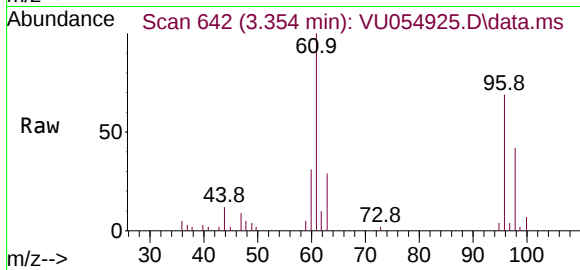
74 0.0 19.5 29.3#





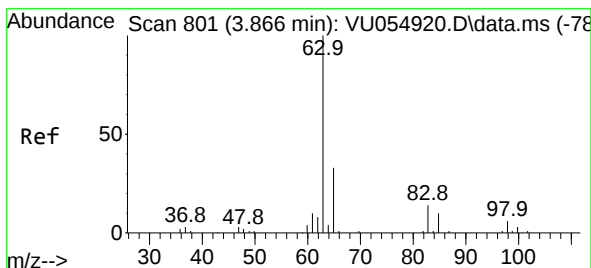
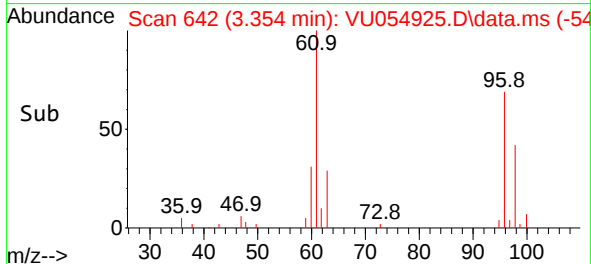
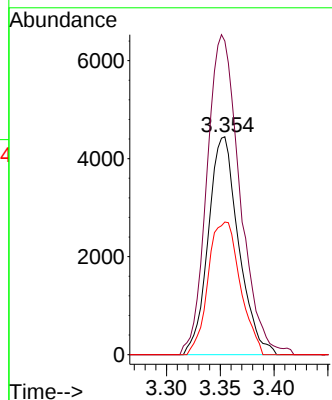
#18
trans-1,2-Dichloroethene
Concen: 0.997 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 8731

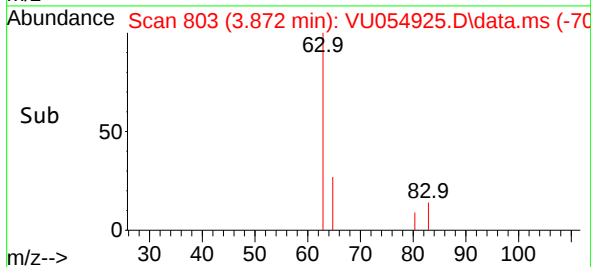
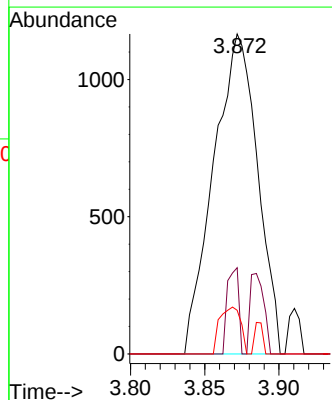
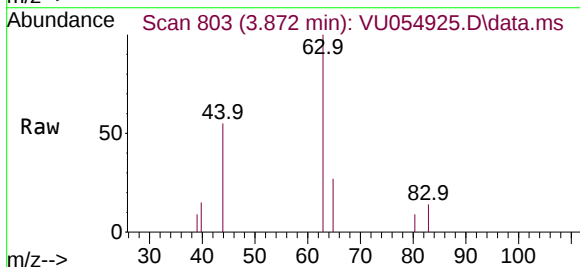
Ion	Ratio	Lower	Upper
96	100		
61	144.0	108.8	202.0
98	60.9	45.8	85.2

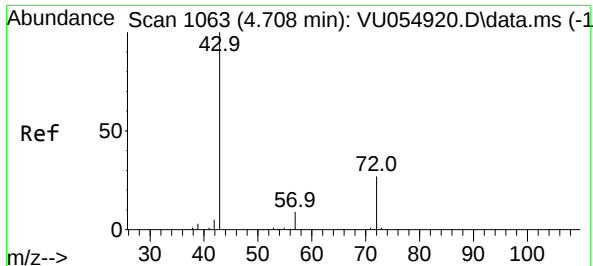


#19
1,1-Dichloroethane
Concen: 0.131 ug/L
RT: 3.872 min Scan# 803
Delta R.T. 0.006 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

Tgt Ion: 63 Resp: 2404

Ion	Ratio	Lower	Upper
63	100		
65	26.9	22.5	41.7
83	13.6	9.5	17.7





#21

2-Butanone

Concen: 13.563 ug/L

RT: 4.717 min Scan# 1066

Delta R.T. 0.009 min

Lab File: VU054925.D

Acq: 28 Aug 2023 15:45

Instrument :

MSVOA_U

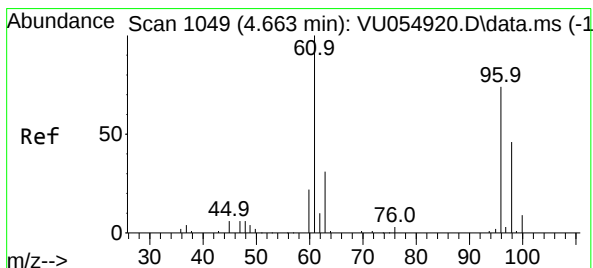
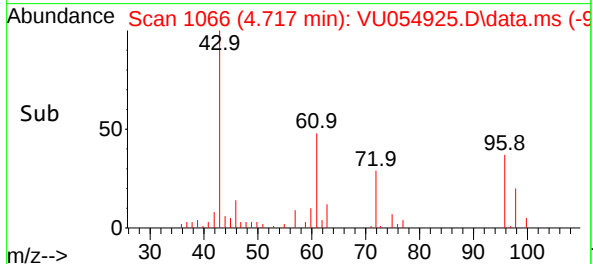
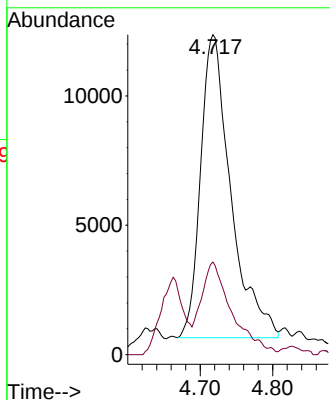
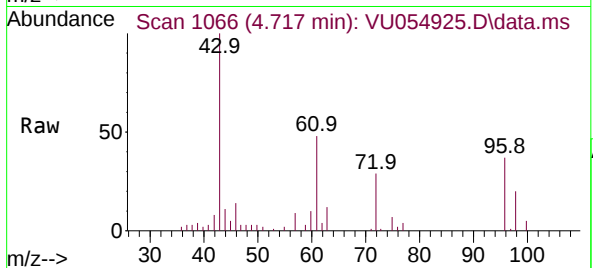
ClientSampleId :

Tgt Ion: 43 Resp: 33981

Ion Ratio Lower Upper

43 100

72 31.4 14.1 42.3



#22

cis-1,2-Dichloroethene

Concen: 53.588 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU054925.D

Acq: 28 Aug 2023 15:45

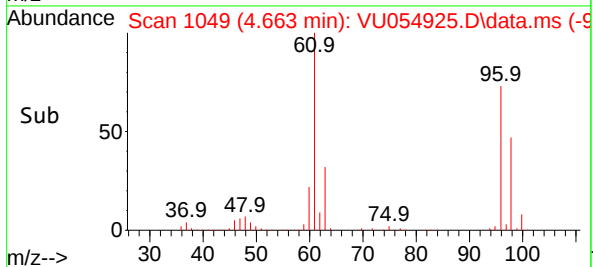
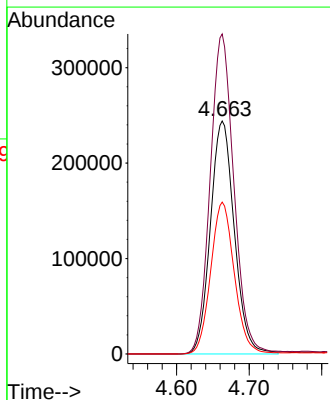
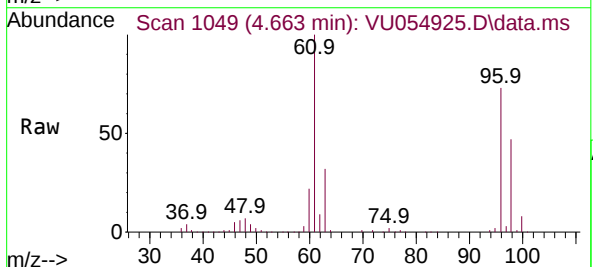
Tgt Ion: 96 Resp: 559749

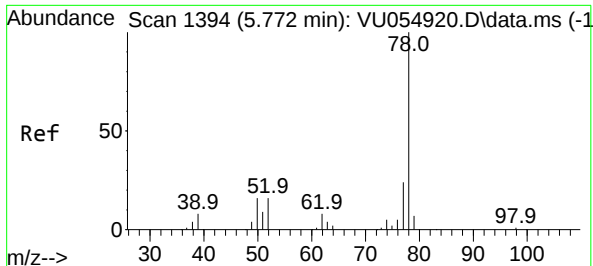
Ion Ratio Lower Upper

96 100

61 137.4 88.4 164.2

98 65.2 44.0 81.6

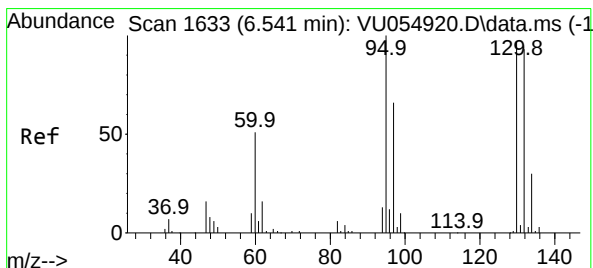
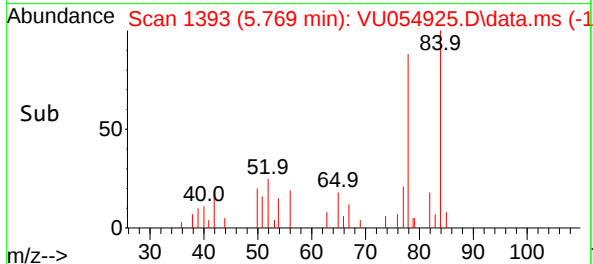
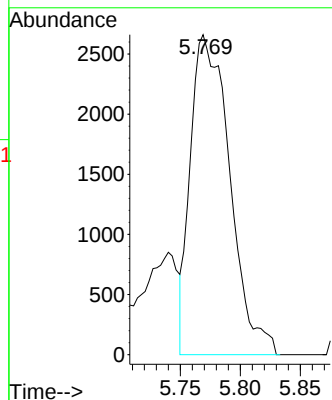
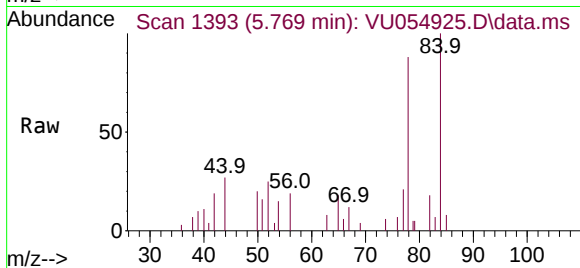




#33
Benzene
Concen: 0.148 ug/L
RT: 5.769 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

Instrument :
MSVOA_U
ClientSampleId :

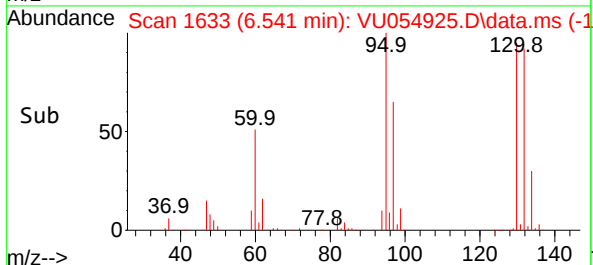
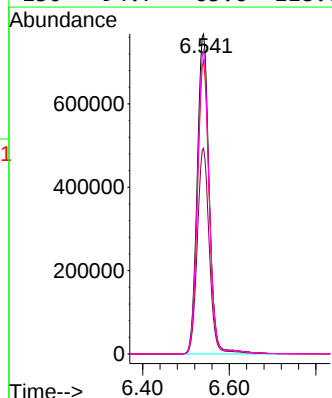
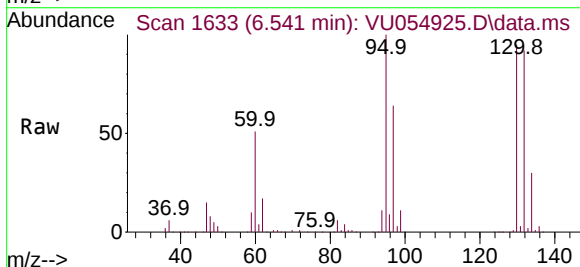
Tgt Ion: 78 Resp: 6033

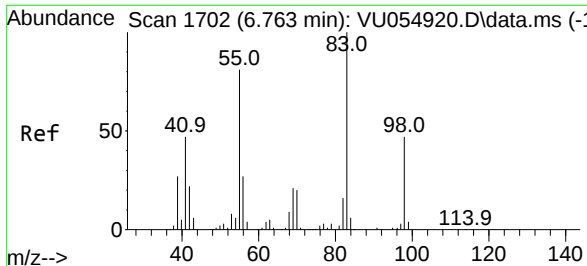


#34
Trichloroethene
Concen: 130.816 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

Tgt Ion: 95 Resp: 1479998

Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.1	81.9
132	91.6	63.6	118.2
130	94.7	63.6	118.0

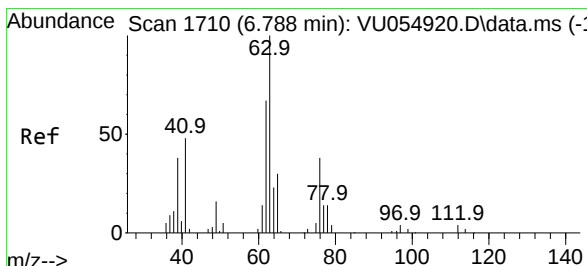
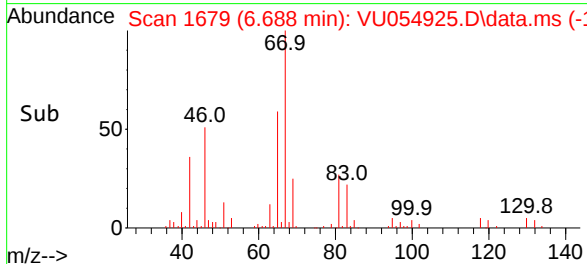
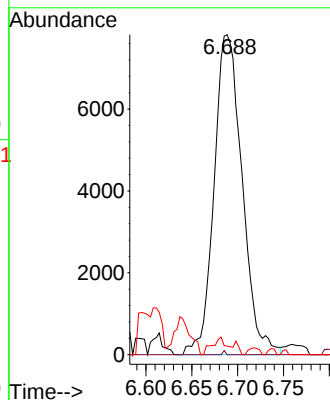
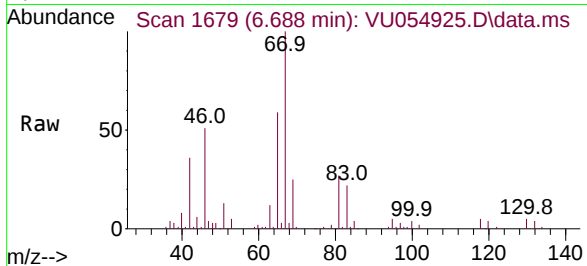




#35
Methylcyclohexane
Concen: 0.994 ug/L
RT: 6.688 min Scan# 1679
Delta R.T. -0.074 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

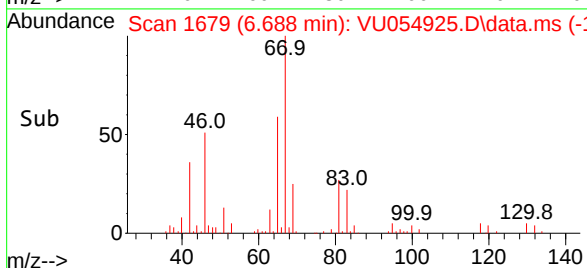
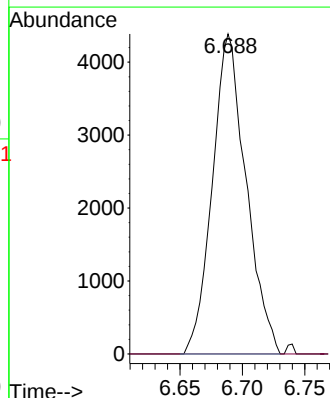
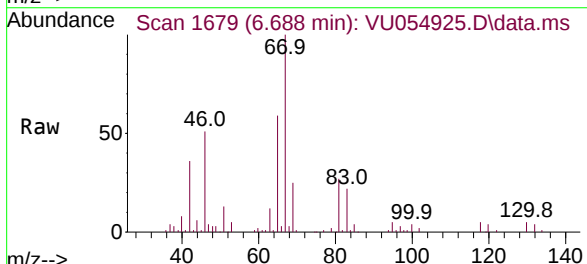
Instrument :
MSVOA_U
ClientSampleId :

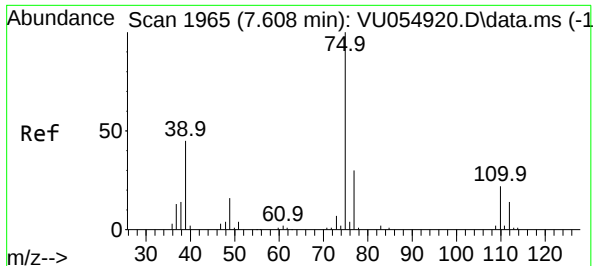
Tgt Ion: 83 Resp: 16641
Ion Ratio Lower Upper
83 100
55 0.1 62.1 93.1#
98 0.0 37.8 56.6#



#37
1,2-Dichloropropane
Concen: 0.724 ug/L
RT: 6.688 min Scan# 1679
Delta R.T. -0.100 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

Tgt Ion: 63 Resp: 8245
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#





#39

cis-1,3-Dichloropropene

Concen: 0.128 ug/L

RT: 7.566 min Scan# 1965

Delta R.T. -0.042 min

Lab File: VU054925.D

Acq: 28 Aug 2023 15:45

Instrument :

MSVOA_U

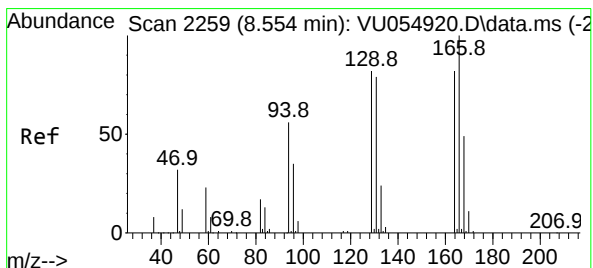
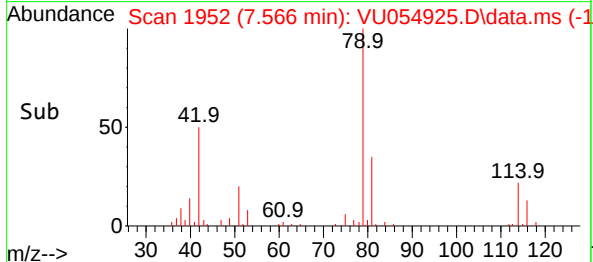
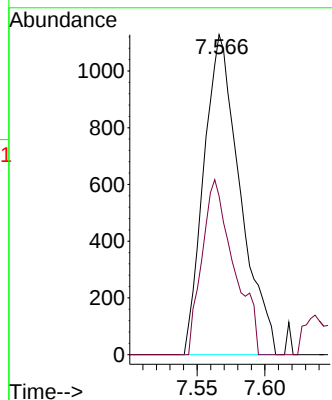
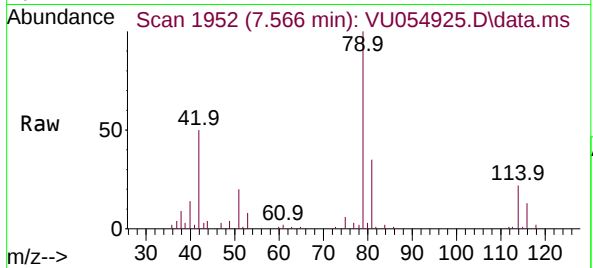
ClientSampleId :

Tgt Ion: 75 Resp: 2091

Ion Ratio Lower Upper

75 100

77 49.6 22.5 41.7#



#47

Tetrachloroethene

Concen: 4.568 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.003 min

Lab File: VU054925.D

Acq: 28 Aug 2023 15:45

Tgt Ion: 164 Resp: 37136

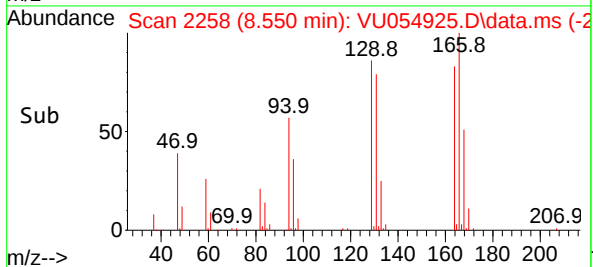
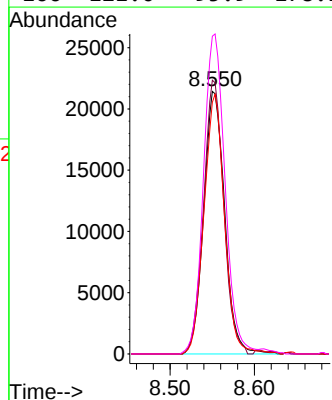
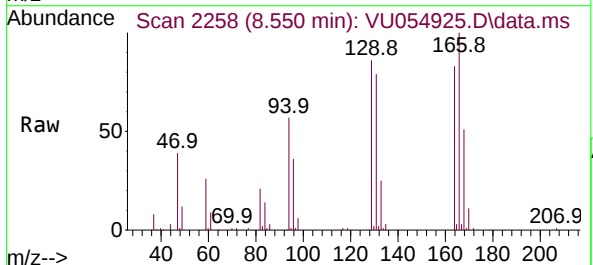
Ion Ratio Lower Upper

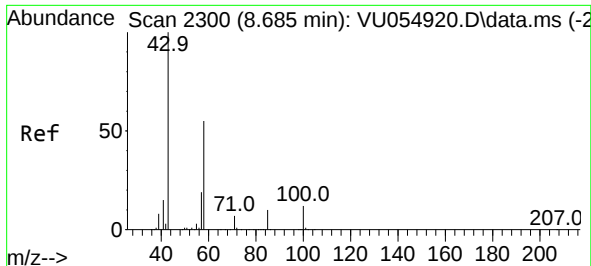
164 100

129 104.3 72.8 135.2

131 95.9 70.7 131.3

166 121.0 95.9 178.1

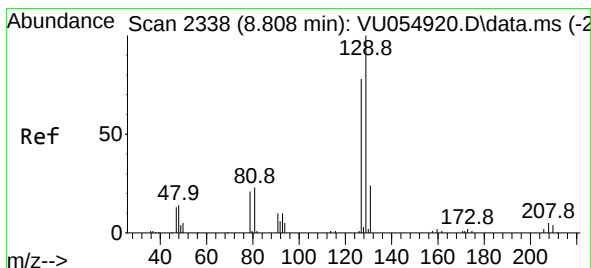
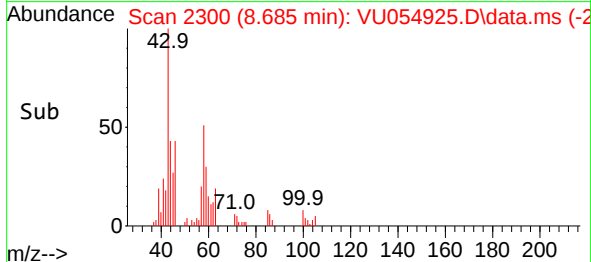
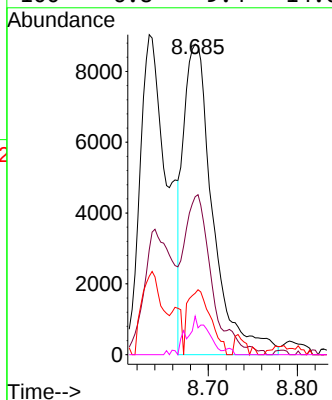
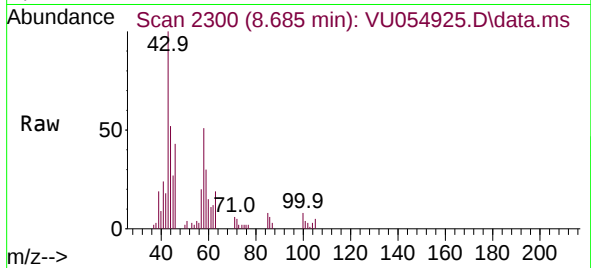




#48
2-Hexanone
Concen: 4.302 ug/L
RT: 8.685 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

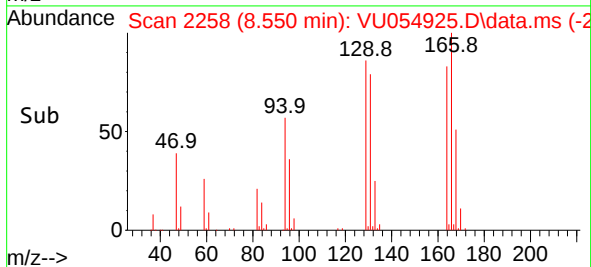
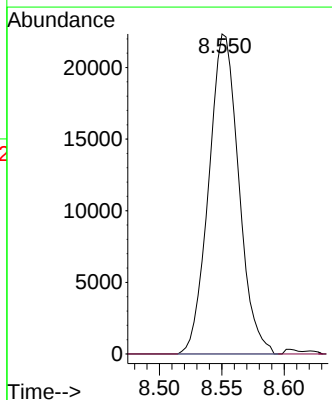
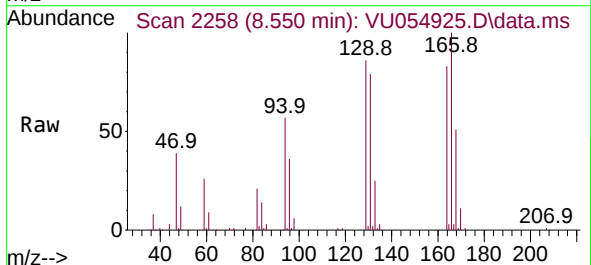
Instrument :
MSVOA_U
ClientSampleId :

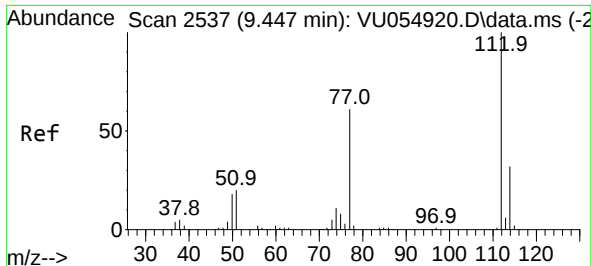
Tgt Ion: 43 Resp: 20212
Ion Ratio Lower Upper
43 100
58 48.2 44.0 66.0
57 16.1 15.9 23.9
100 6.8 9.4 14.0#



#49
Dibromochloromethane
Concen: 4.208 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.257 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

Tgt Ion: 129 Resp: 37443
Ion Ratio Lower Upper
129 100
127 0.0 60.5 112.5#

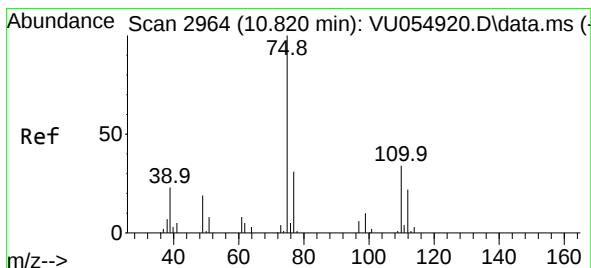
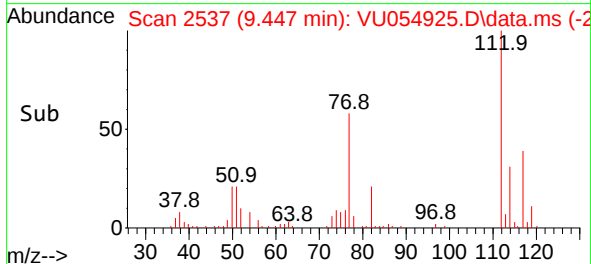
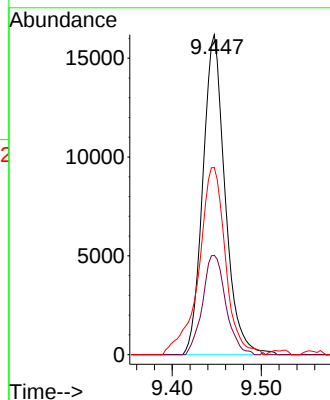
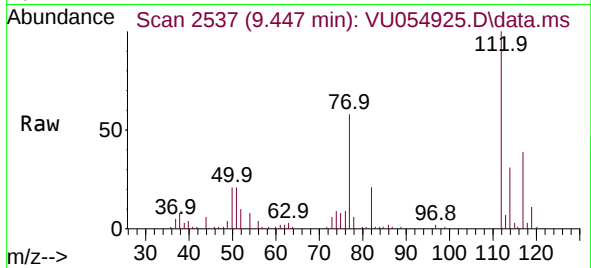




#51
Chlorobenzene
Concen: 0.951 ug/L
RT: 9.447 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

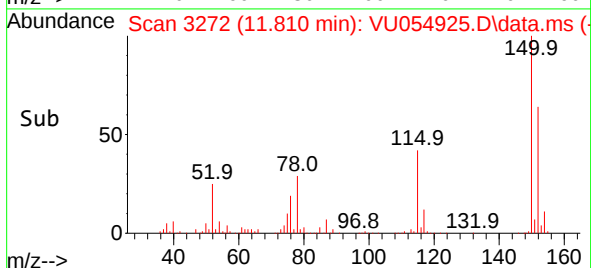
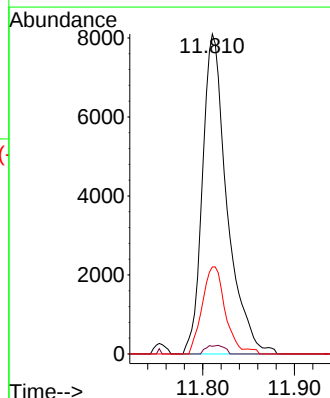
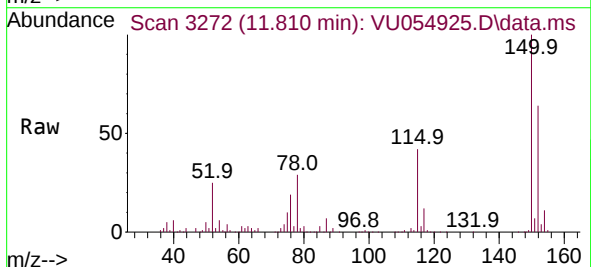
Instrument :
MSVOA_U
ClientSampleId :

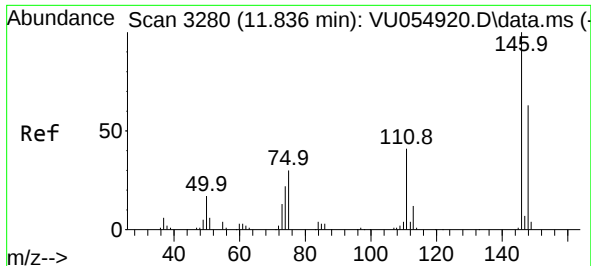
Tgt Ion:112 Resp: 28025
Ion Ratio Lower Upper
112 100
114 31.0 23.4 43.4
77 58.5 49.3 73.9



#61
1,2,3-Trichloropropane
Concen: 2.340 ug/L
RT: 11.810 min Scan# 3272
Delta R.T. 0.990 min
Lab File: VU054925.D
Acq: 28 Aug 2023 15:45

Tgt Ion: 75 Resp: 15078
Ion Ratio Lower Upper
75 100
110 2.0 29.0 43.6#
77 25.2 26.5 39.7#





#65

1,4-Dichlorobenzene

Concen: 0.249 ug/L

RT: 11.833 min Scan# 31

Delta R.T. -0.003 min

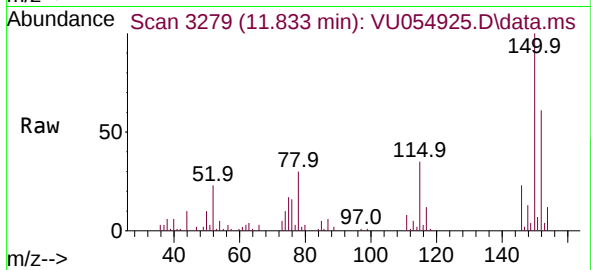
Lab File: VU054925.D

Acq: 28 Aug 2023 15:45

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 5386

Ion Ratio Lower Upper

146 100

111 35.7 29.9 55.5

148 76.2 44.7 83.1

