

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082823\
 Data File : VU054933.D
 Acq On : 28 Aug 2023 19:02
 Operator : MD/SY
 Sample : 04173-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 05:01:22 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	185871	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	179120	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	90719	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	26902	4.586	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.800%
7) Chloroethane-d5	1.911	69	35927	4.740	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.800%
11) 1,1-Dichloroethene-d2	2.563	65	15065	4.544	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	4.634	46	191982	60.626	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.260%
24) Chloroform-d	5.062	84	102802	4.724	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.701	65	59571	5.144	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	5.727	84	189107	4.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.688	67	68793	4.858	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.897	98	171151	4.439	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	8.180	79	21941	4.708	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.634	63	123755	55.949	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.900%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	62919	5.181	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	73396	5.067	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.400%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	2520	0.210	ug/L	93
5) Vinyl chloride	1.599	62	19093	1.531	ug/L #	69
8) Chloroethane	1.930	64	4949	0.603	ug/L #	62
12) 1,1-Dichloroethene	2.576	96	3739	0.445	ug/L #	1
13) Acetone	2.653	43	13262	7.748	ug/L	95
15) Methyl Acetate	2.972	43	779	0.222	ug/L #	51
18) trans-1,2-Dichloroethene	3.354	96	6966	0.760	ug/L	83
19) 1,1-Dichloroethane	3.869	63	4026	0.209	ug/L #	86
21) 2-Butanone	4.721	43	31190	11.892	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	621174	56.808	ug/L	93
34) Trichloroethene	6.541	95	236624	20.206	ug/L	96
35) Methylcyclohexane	6.688	83	15294	0.883	ug/L #	18
37) 1,2-Dichloropropane	6.692	63	7509	0.637	ug/L #	90
47) Tetrachloroethene	8.550	164	2613	0.311	ug/L	93
48) 2-Hexanone	8.685	43	17928	3.686	ug/L #	90
49) Dibromochloromethane	8.553	129	2592	0.281	ug/L #	6
51) Chlorobenzene	9.447	112	8505	0.279	ug/L	94
61) 1,2,3-Trichloropropane	11.814	75	12782	1.892	ug/L #	67

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QLast Update : Tue Aug 29 04:51:39 2023
Response via : Initial Calibration

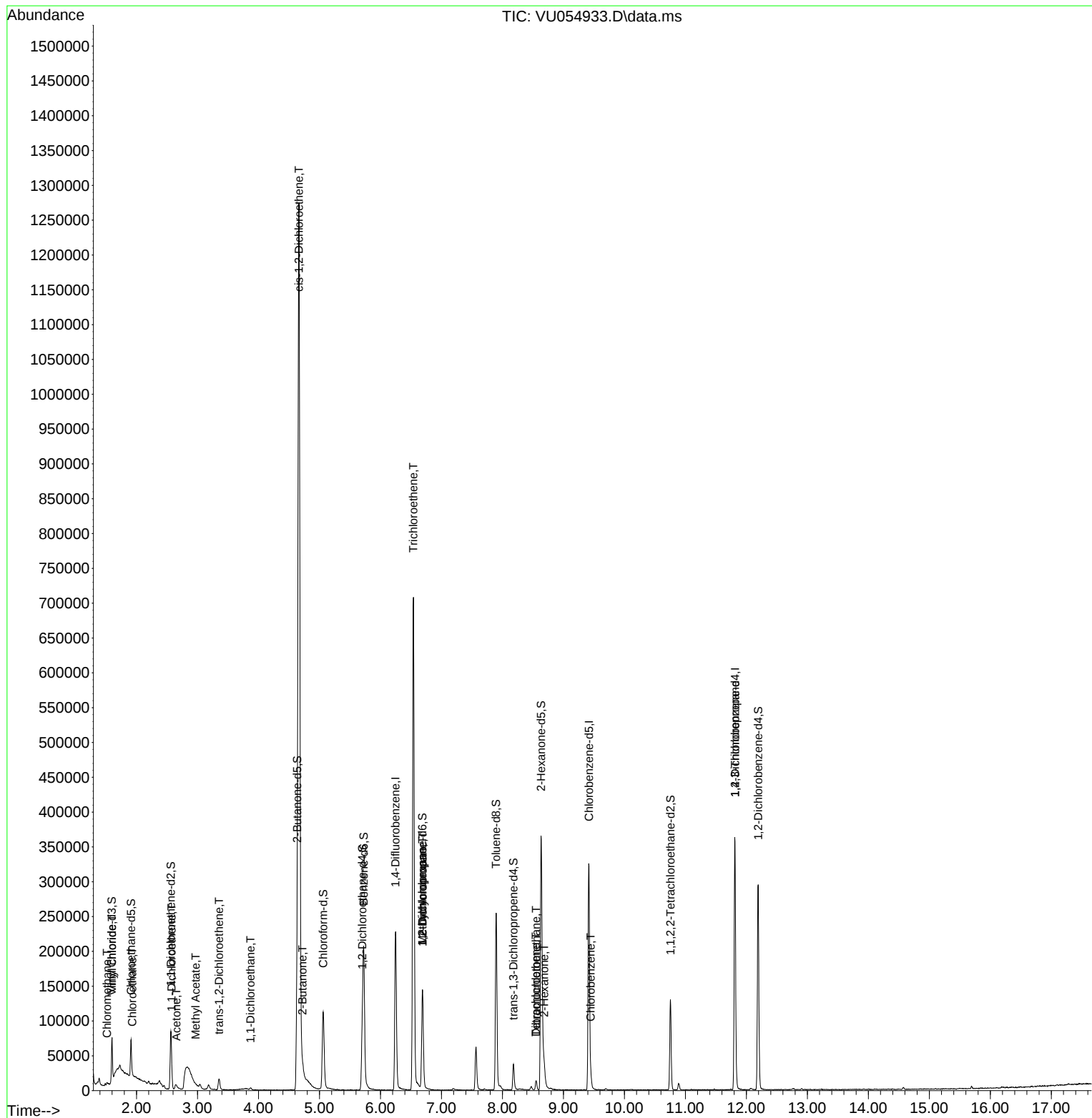
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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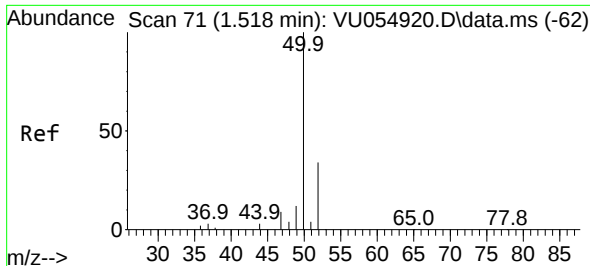
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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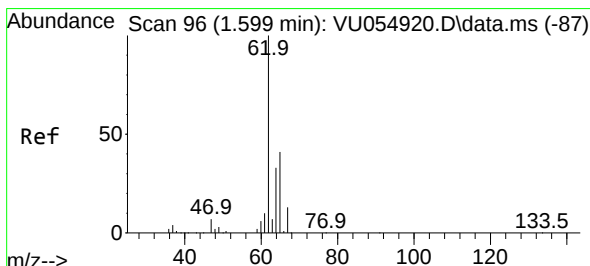
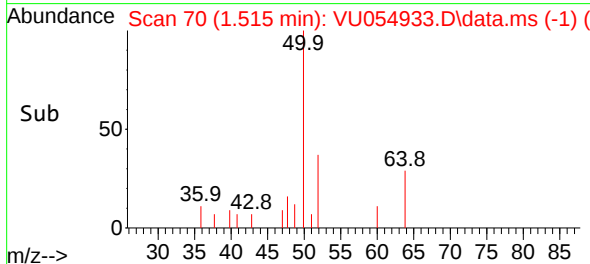
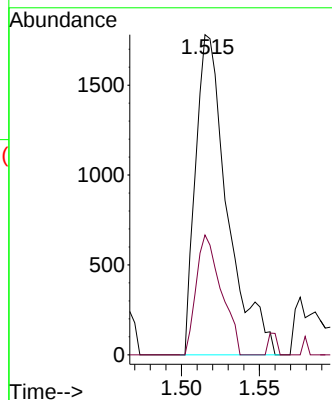
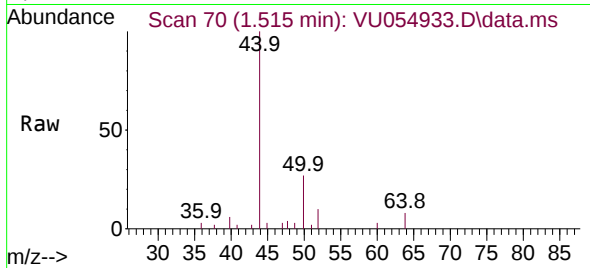




#3
Chloromethane
Concen: 0.210 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02

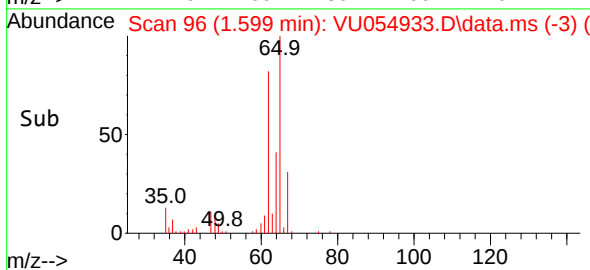
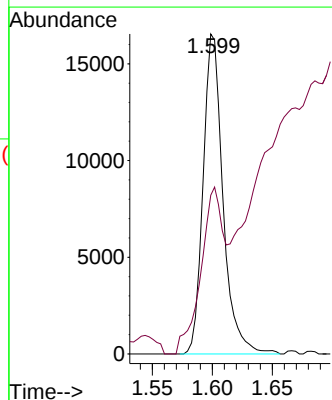
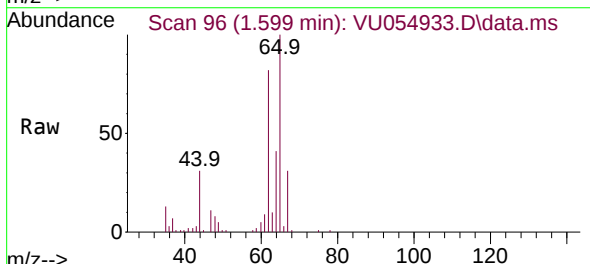
Instrument :
MSVOA_U
ClientSampleId :

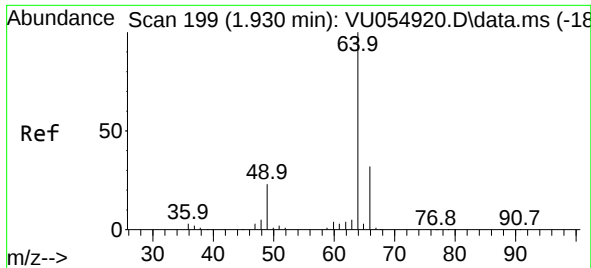
Tgt Ion: 50 Resp: 2520
Ion Ratio Lower Upper
50 100
52 37.4 23.4 43.6



#5
Vinyl chloride
Concen: 1.531 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.000 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02

Tgt Ion: 62 Resp: 19093
Ion Ratio Lower Upper
62 100
64 49.6 22.7 42.1#

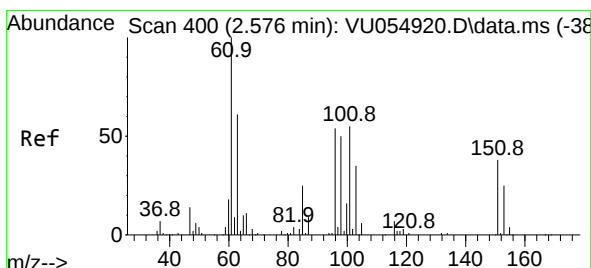
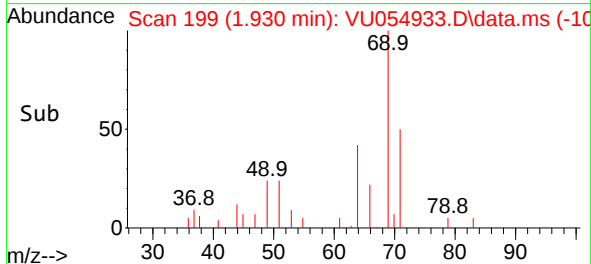
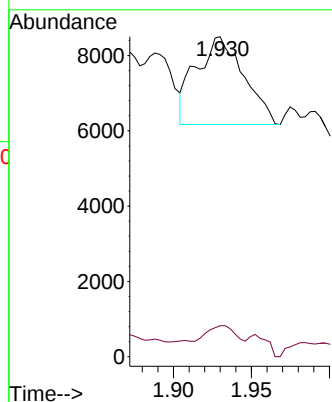
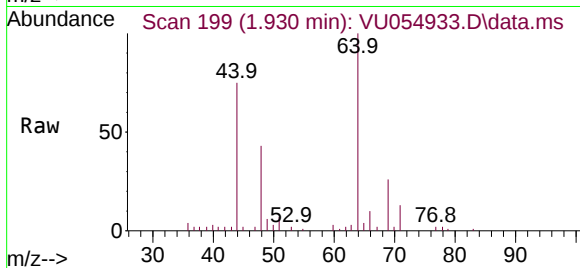




#8
Chloroethane
Concen: 0.603 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02

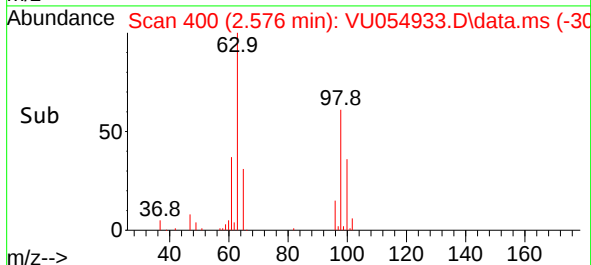
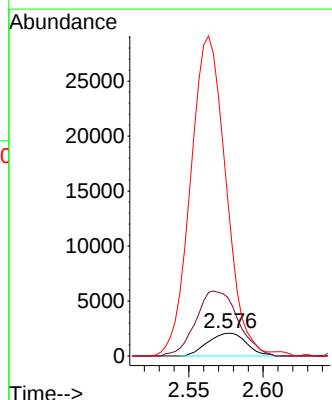
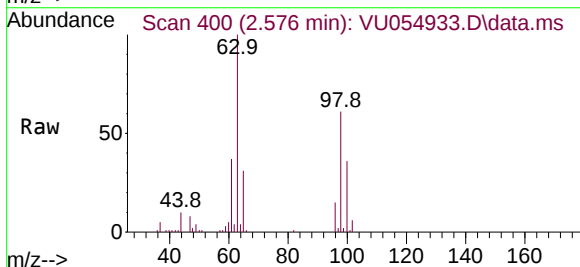
Instrument :
MSVOA_U
ClientSampleId :

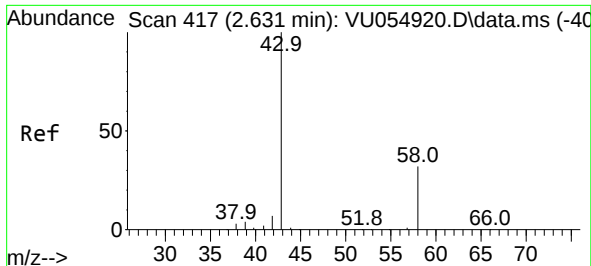
Tgt Ion: 64 Resp: 4949
Ion Ratio Lower Upper
64 100
66 9.7 21.5 39.9#



#12
1,1-Dichloroethene
Concen: 0.445 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02

Tgt Ion: 96 Resp: 3739
Ion Ratio Lower Upper
96 100
61 257.2 132.4 245.8#
63 689.2 82.5 153.1#





#13

Acetone

Concen: 7.748 ug/L

RT: 2.653 min Scan# 41

Delta R.T. 0.022 min

Lab File: VU054933.D

Acq: 28 Aug 2023 19:02

Instrument :

MSVOA_U

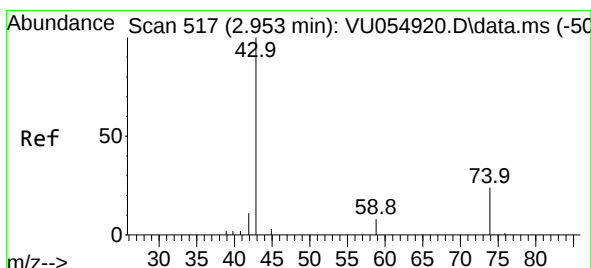
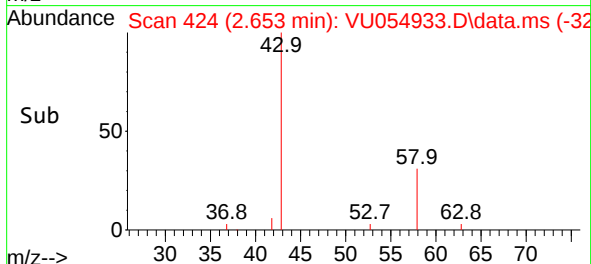
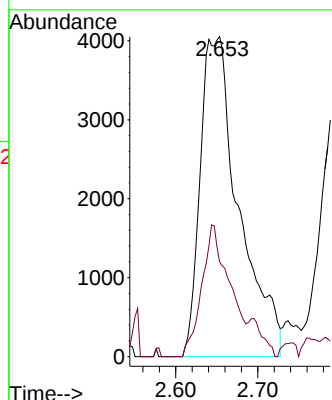
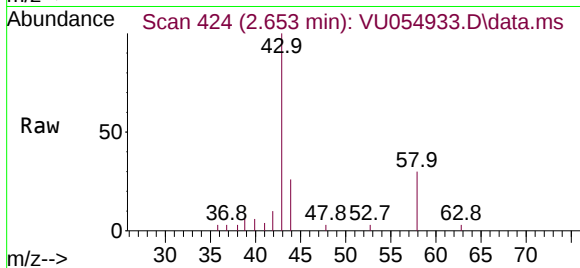
ClientSampleId :

Tgt Ion: 43 Resp: 13262

Ion Ratio Lower Upper

43 100

58 29.5 0.0 64.4



#15

Methyl Acetate

Concen: 0.222 ug/L

RT: 2.972 min Scan# 523

Delta R.T. 0.019 min

Lab File: VU054933.D

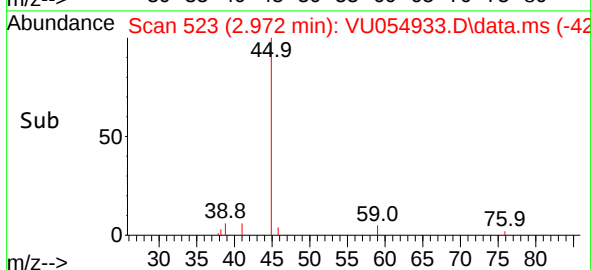
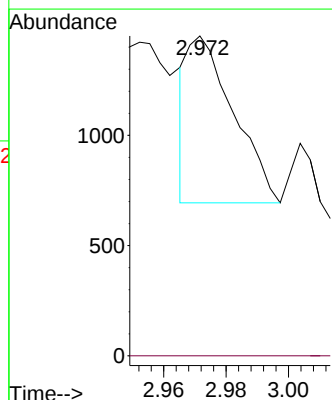
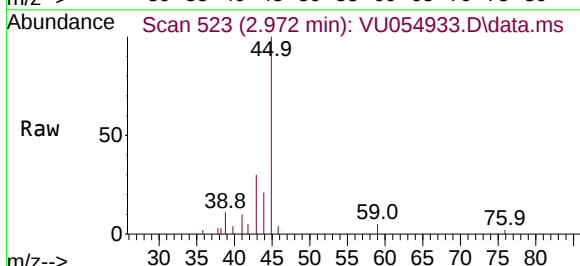
Acq: 28 Aug 2023 19:02

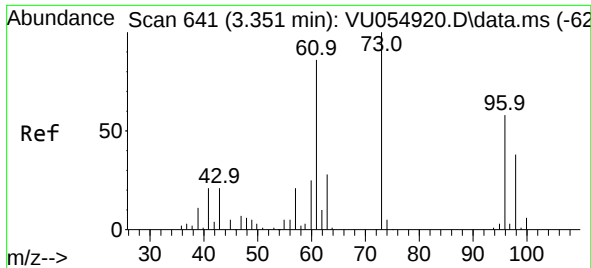
Tgt Ion: 43 Resp: 779

Ion Ratio Lower Upper

43 100

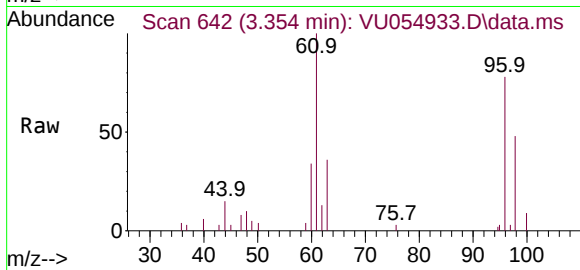
74 0.0 19.5 29.3#



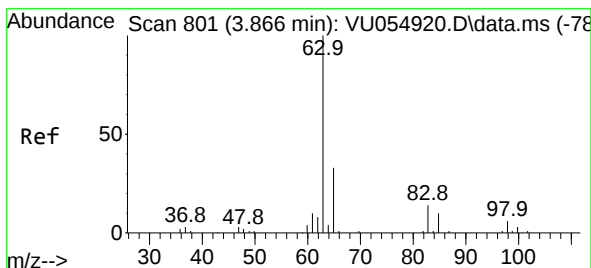
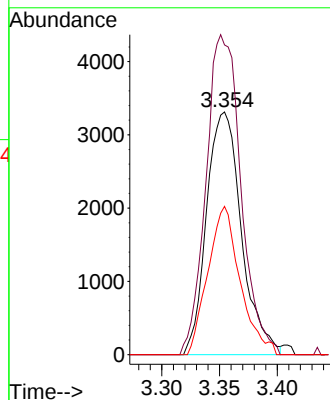
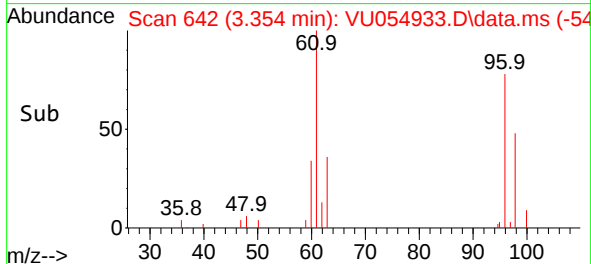


#18
trans-1,2-Dichloroethene
Concen: 0.760 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02

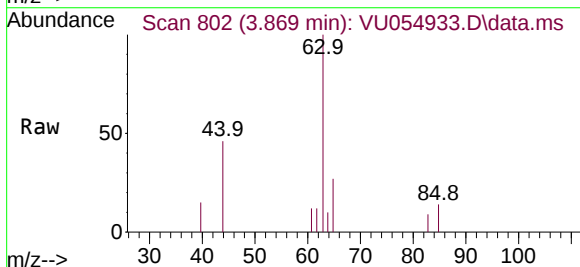
Instrument :
MSVOA_U
ClientSampleId :



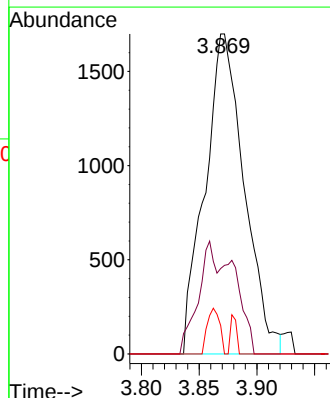
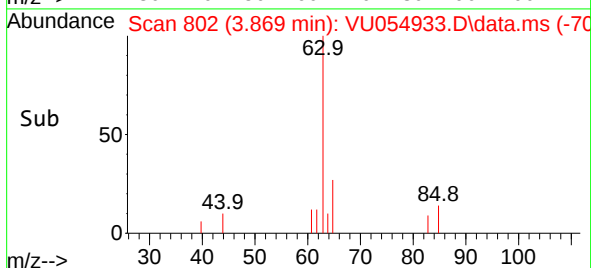
Tgt Ion: 96 Resp: 6966
Ion Ratio Lower Upper
96 100
61 127.6 108.8 202.0
98 61.1 45.8 85.2

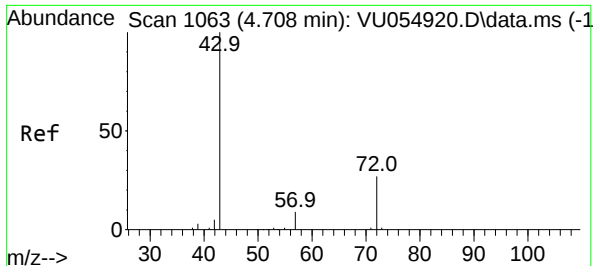


#19
1,1-Dichloroethane
Concen: 0.209 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.003 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02



Tgt Ion: 63 Resp: 4026
Ion Ratio Lower Upper
63 100
65 24.3 22.5 41.7
83 8.1 9.5 17.7#





#21

2-Butanone

Concen: 11.892 ug/L

RT: 4.721 min Scan# 1067

Delta R.T. 0.013 min

Lab File: VU054933.D

Acq: 28 Aug 2023 19:02

Instrument :

MSVOA_U

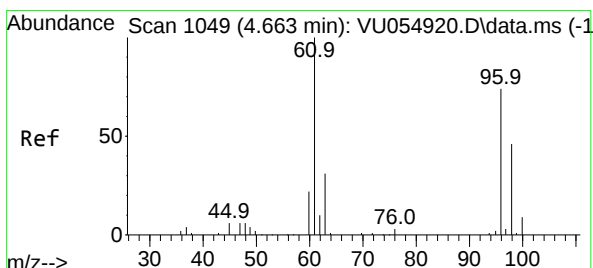
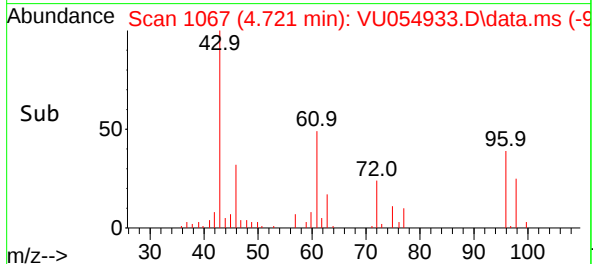
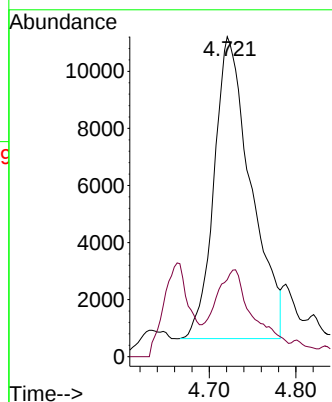
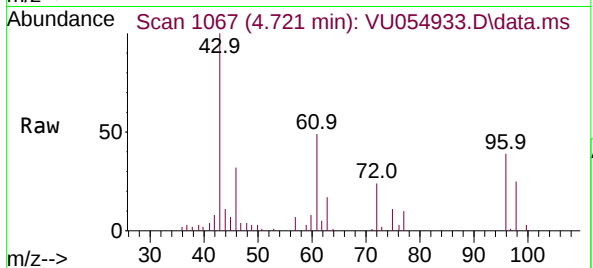
ClientSampleId :

Tgt Ion: 43 Resp: 31190

Ion Ratio Lower Upper

43 100

72 28.4 14.1 42.3



#22

cis-1,2-Dichloroethene

Concen: 56.808 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU054933.D

Acq: 28 Aug 2023 19:02

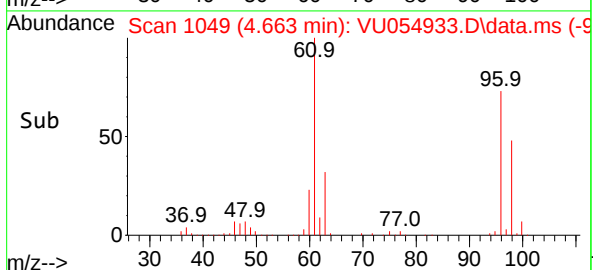
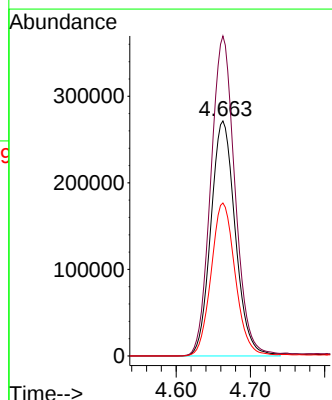
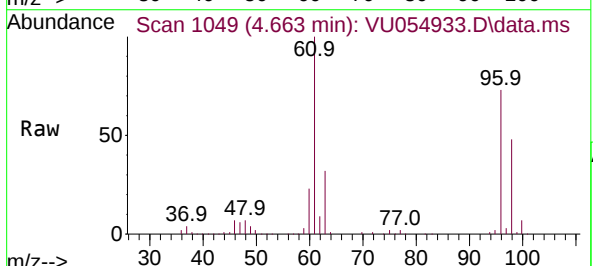
Tgt Ion: 96 Resp: 621174

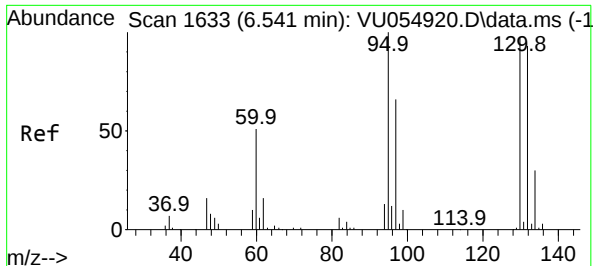
Ion Ratio Lower Upper

96 100

61 136.2 88.4 164.2

98 65.1 44.0 81.6





#34

Trichloroethene

Concen: 20.206 ug/L

RT: 6.541 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054933.D

Acq: 28 Aug 2023 19:02

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 236624

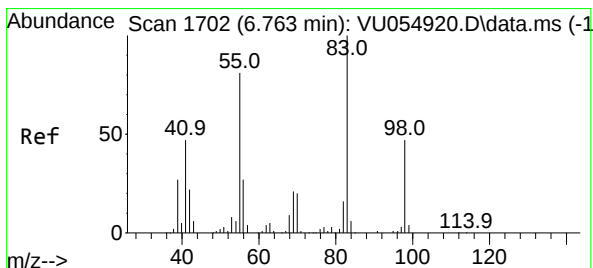
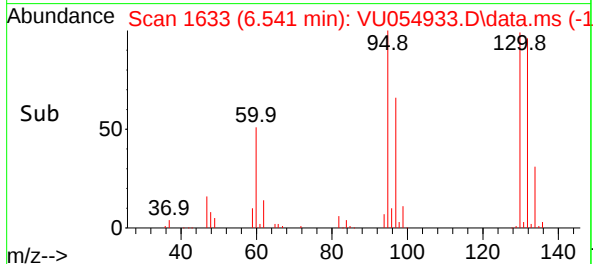
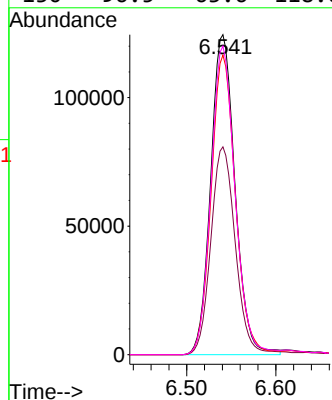
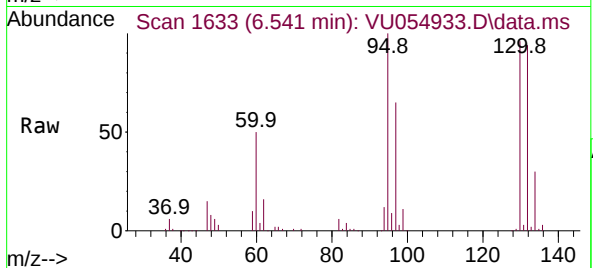
Ion Ratio Lower Upper

95 100

97 65.0 44.1 81.9

132 93.6 63.6 118.2

130 96.5 63.6 118.0



#35

Methylcyclohexane

Concen: 0.883 ug/L

RT: 6.688 min Scan# 1679

Delta R.T. -0.074 min

Lab File: VU054933.D

Acq: 28 Aug 2023 19:02

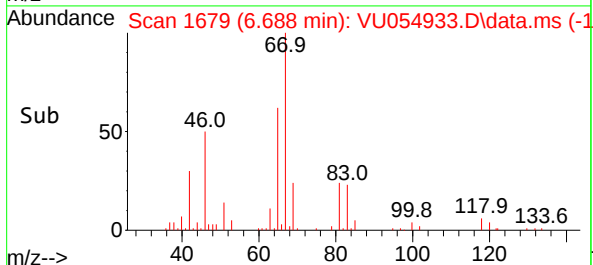
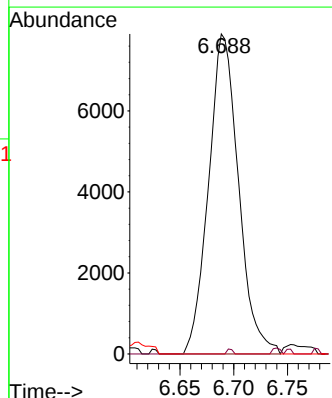
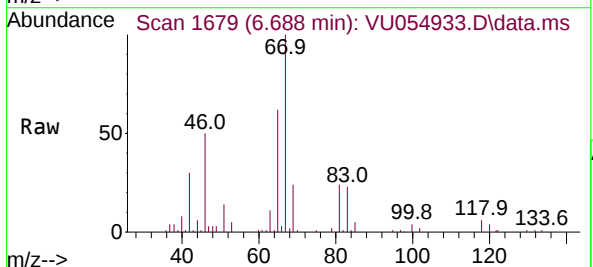
Tgt Ion: 83 Resp: 15294

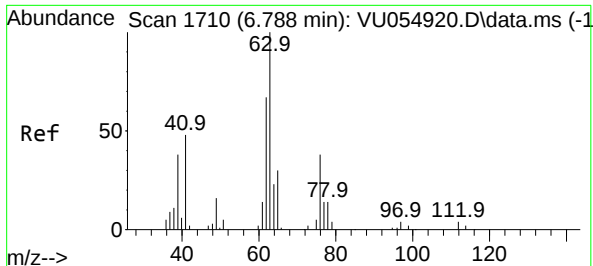
Ion Ratio Lower Upper

83 100

55 0.3 62.1 93.1#

98 0.0 37.8 56.6#





#37

1,2-Dichloropropane

Concen: 0.637 ug/L

RT: 6.692 min Scan# 1

Delta R.T. -0.097 min

Lab File: VU054933.D

Acq: 28 Aug 2023 19:02

Instrument :

MSVOA_U

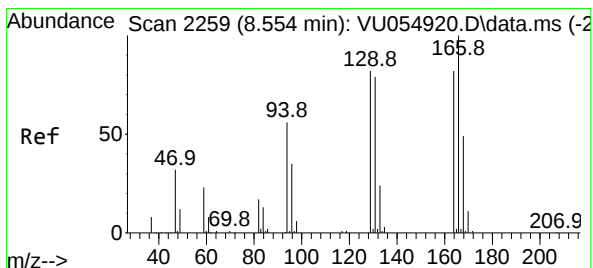
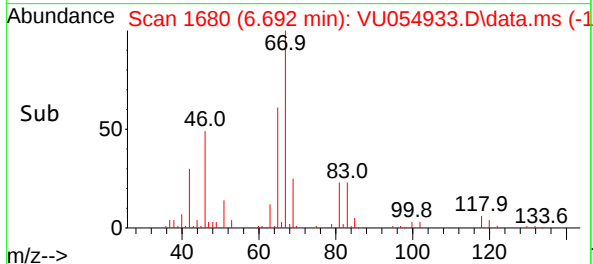
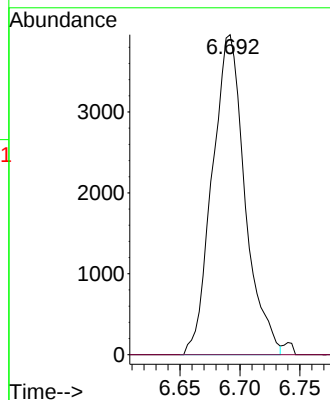
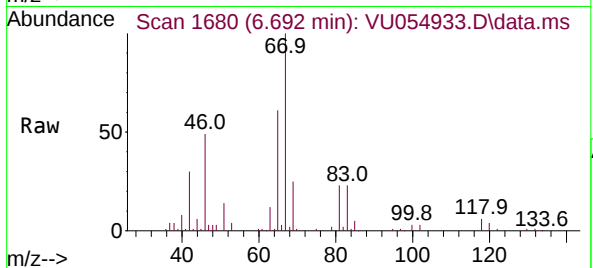
ClientSampleId :

Tgt Ion: 63 Resp: 7509

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



#47

Tetrachloroethene

Concen: 0.311 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.003 min

Lab File: VU054933.D

Acq: 28 Aug 2023 19:02

Tgt Ion: 164 Resp: 2613

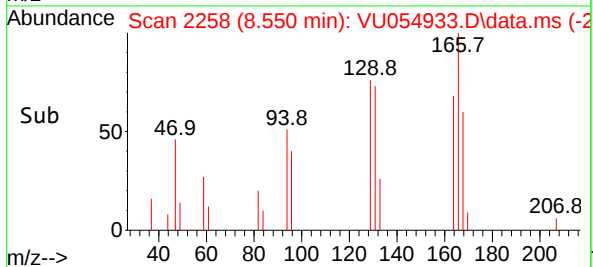
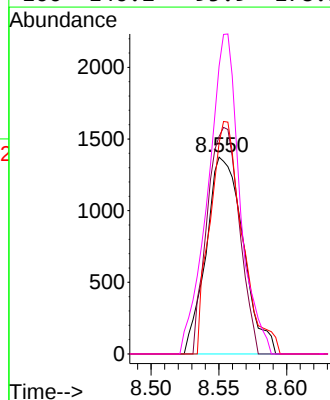
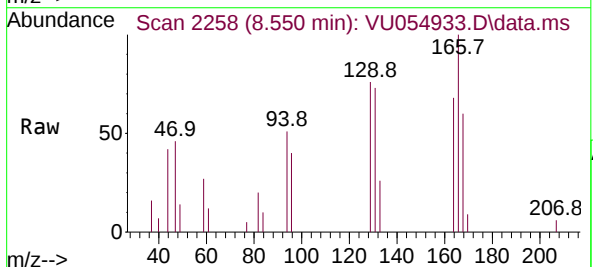
Ion Ratio Lower Upper

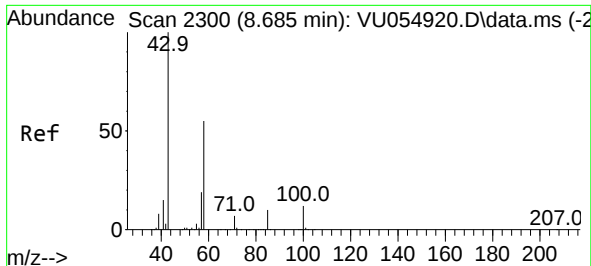
164 100

129 110.5 72.8 135.2

131 107.2 70.7 131.3

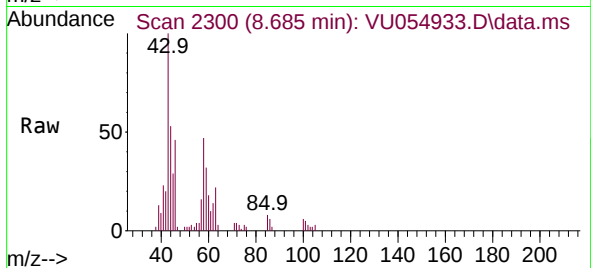
166 146.2 95.9 178.1



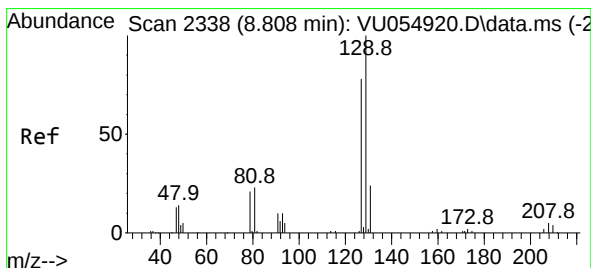
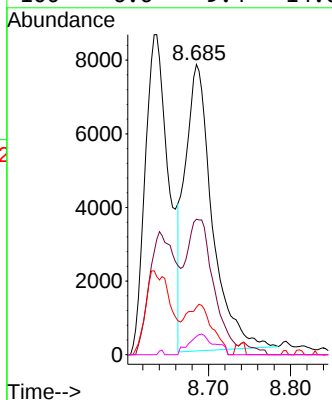
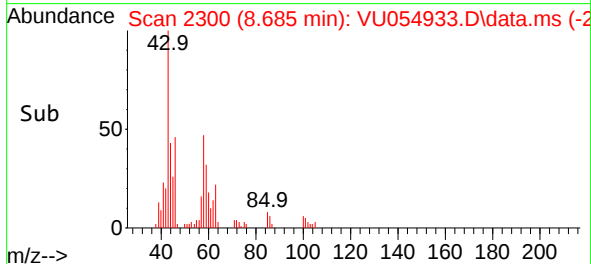


#48
2-Hexanone
Concen: 3.686 ug/L
RT: 8.685 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02

Instrument :
MSVOA_U
ClientSampleId :

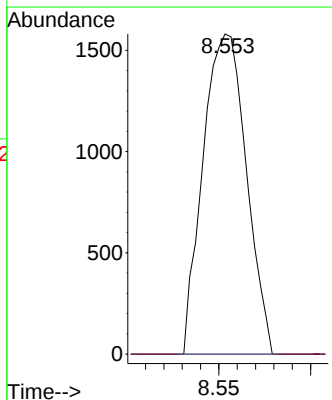
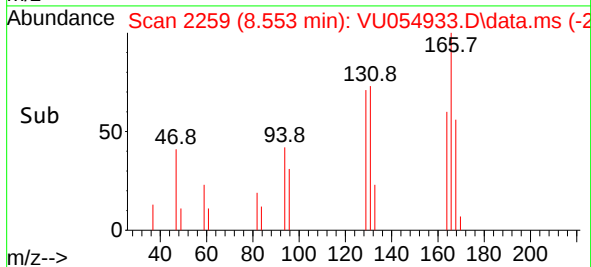
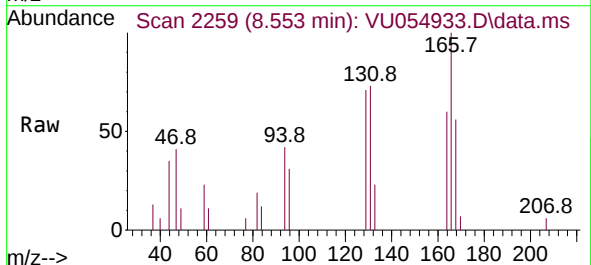


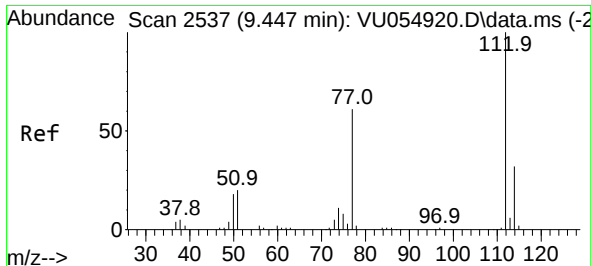
Tgt Ion: 43 Resp: 17928
Ion Ratio Lower Upper
43 100
58 47.8 44.0 66.0
57 16.8 15.9 23.9
100 6.6 9.4 14.0#



#49
Dibromochloromethane
Concen: 0.281 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.254 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02

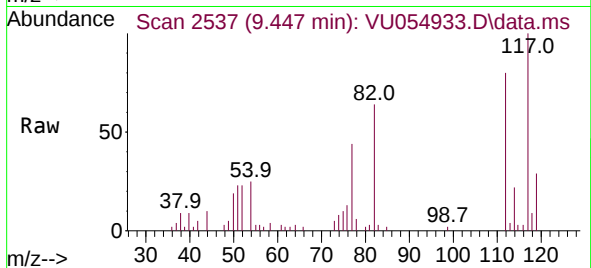
Tgt Ion: 129 Resp: 2592
Ion Ratio Lower Upper
129 100
127 0.0 60.5 112.5#



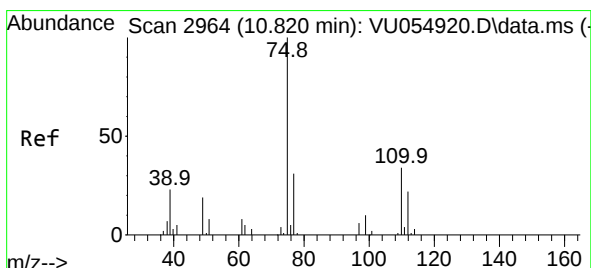
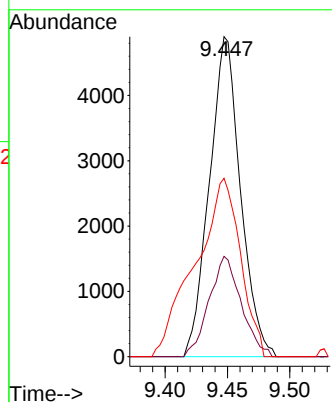
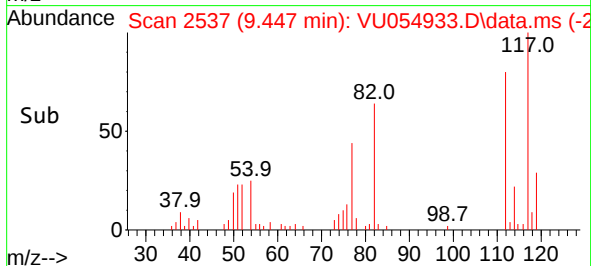


#51
Chlorobenzene
Concen: 0.279 ug/L
RT: 9.447 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:112 Resp: 8505
Ion Ratio Lower Upper
112 100
114 31.3 23.4 43.4
77 55.8 49.3 73.9



#61
1,2,3-Trichloropropane
Concen: 1.892 ug/L
RT: 11.814 min Scan# 3273
Delta R.T. 0.993 min
Lab File: VU054933.D
Acq: 28 Aug 2023 19:02

Tgt Ion: 75 Resp: 12782
Ion Ratio Lower Upper
75 100
110 1.1 29.0 43.6#
77 30.8 26.5 39.7

