

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061523\
 Data File : VU054521.D
 Acq On : 15 Jun 2023 13:10
 Operator : MD/SY
 Sample : 03232-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CONSO

Quant Time: Jun 16 01:31:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 14 00:05:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.252	114	1520	5.000	ug/L	# 0.00
28) Chlorobenzene-d5	9.422	117	4392	5.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	11.814	152	7174	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.673	65	110	1.137	ug/L	0.07
Spiked Amount	5.000	Range	40 - 130	Recovery	=	22.800%#
7) Chloroethane-d5	1.921	69	72	0.795	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	15.800%#
11) 1,1-Dichloroethene-d2	2.564	65	73	1.690	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	33.800%#
20) 2-Butanone-d5	4.686	46	48	1.765	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	3.520%#
24) Chloroform-d	5.056	84	147	0.727	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	14.600%#
26) 1,2-Dichloroethane-d4	5.702	65	200	2.029	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	40.600%#
32) Benzene-d6	5.724	84	877	0.718	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	14.400%#
36) 1,2-Dichloropropane-d6	6.699	67	45	0.110	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	2.200%#
41) Toluene-d8	7.904	98	2128	1.964	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	39.200%#
43) trans-1,3-Dichloroprop...	8.191	79	126	0.889	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	17.800%#
46) 2-Hexanone-d5	8.657	63	559	9.397	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	18.800%#
56) 1,1,2,2-Tetrachloroeth...	10.760	84	1125	3.700	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	74.000%
66) 1,2-Dichlorobenzene-d4	12.197	152	4950	4.091	ug/L	0.01
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.522	50	701	4.297	ug/L	# 72
5) Vinyl chloride	1.599	62	43	0.257	ug/L	# 1
6) Bromomethane	1.863	94	319	3.465	ug/L	# 88
8) Chloroethane	1.924	64	40	0.398	ug/L	# 42
12) 1,1-Dichloroethene	2.425	96	41	0.372	ug/L	# 1
13) Acetone	2.638	43	5549	216.387	ug/L	# 90
14) Carbon disulfide	2.795	76	3423	10.470	ug/L	# 87
15) Methyl Acetate	2.962	43	142	2.988	ug/L	# 52
16) Methylene chloride	3.052	84	941	6.070	ug/L	# 74
21) 2-Butanone	4.814	43	39531	1187.797	ug/L	# 48
25) Chloroform	5.075	83	111	0.478	ug/L	# 18
33) Benzene	5.773	78	427	0.271	ug/L	# 100
40) 4-Methyl-2-pentanone	7.801	43	684	3.003	ug/L	# 43
42) Toluene	7.972	91	4064	2.500	ug/L	# 95
47) Tetrachloroethene	8.547	164	127	0.397	ug/L	# 29
48) 2-Hexanone	8.689	43	6587	38.815	ug/L	# 94
49) Dibromochloromethane	8.557	129	77	0.270	ug/L	# 11
52) Ethylbenzene	9.570	91	432	0.243	ug/L	# 90
53) m,p-Xylene	9.702	106	344	0.527	ug/L	# 80

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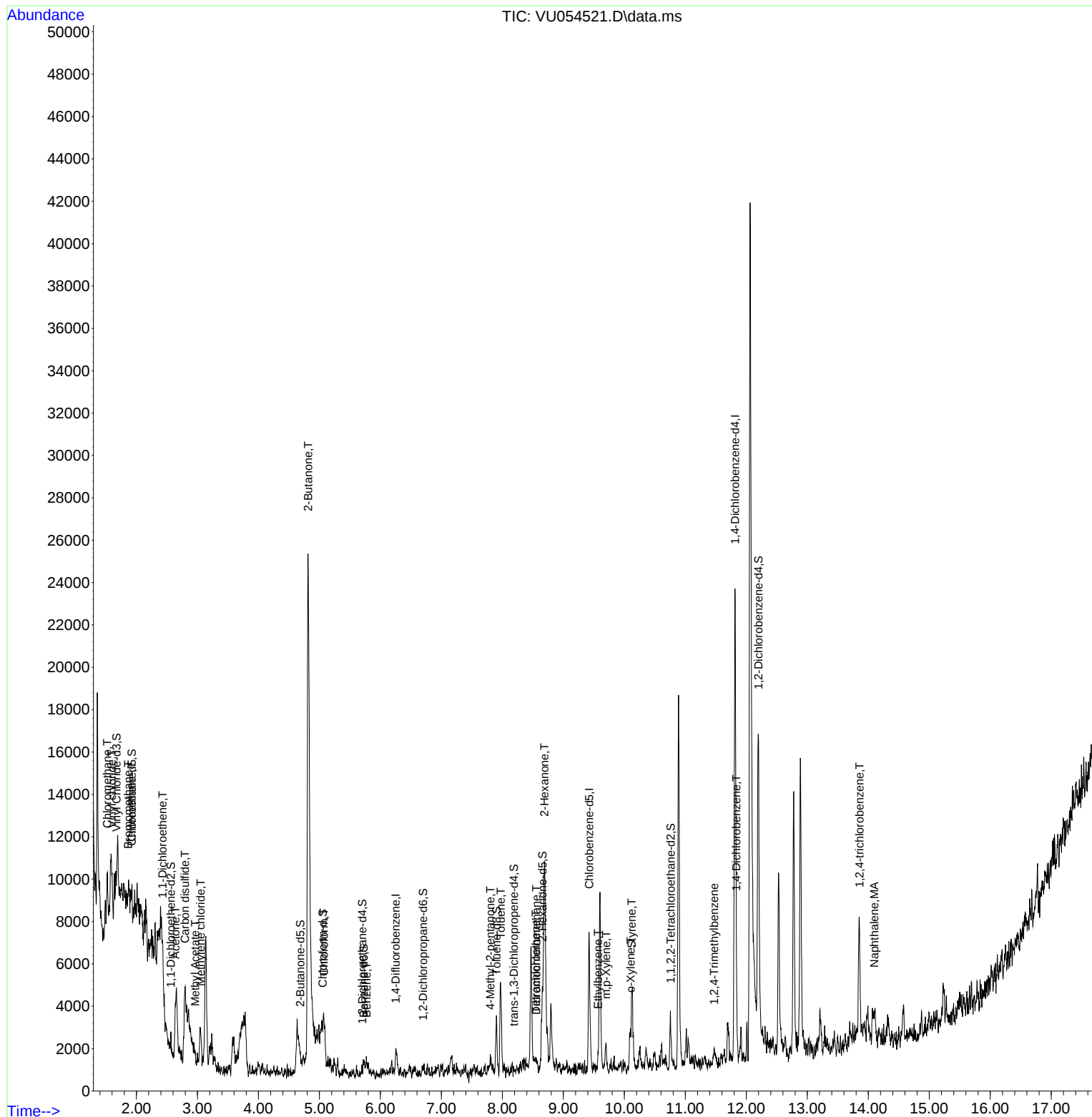
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.104	106	138	0.219	ug/L	60
55) Styrene	10.120	104	2041	1.928	ug/L #	76
63) 1,2,4-Trimethylbenzene	11.473	105	883	0.203	ug/L #	79
65) 1,4-Dichlorobenzene	11.837	146	519	0.211	ug/L	91
70) 1,2,4-trichlorobenzene	13.856	180	463	0.303	ug/L #	61
71) Naphthalene	14.100	128	1184	0.476	ug/L #	74

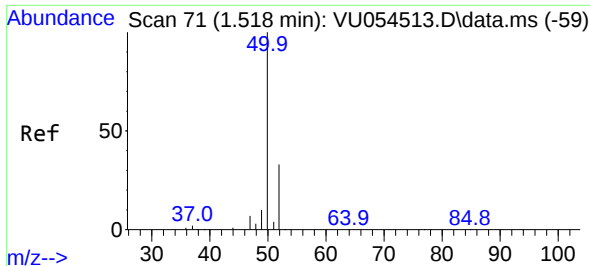
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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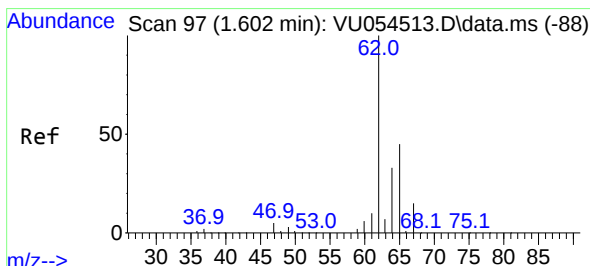
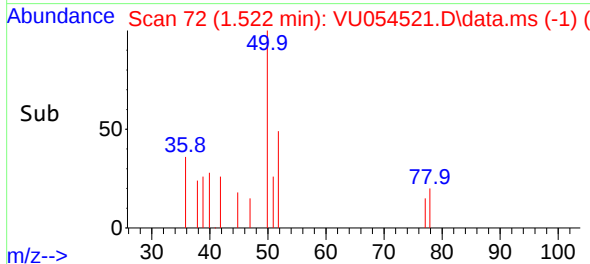
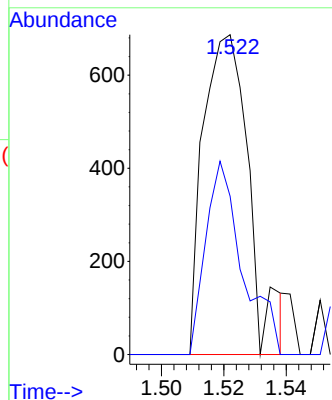
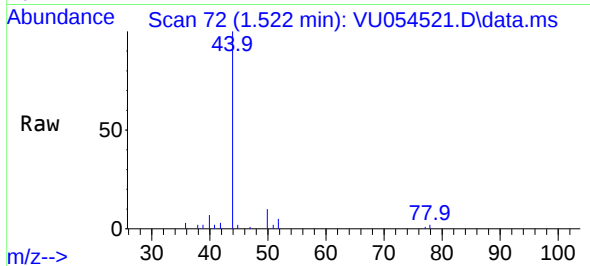




#3
Chloromethane
Concen: 4.297 ug/L
RT: 1.522 min Scan# 71
Delta R.T. 0.004 min
Lab File: VU054521.D
Acq: 15 Jun 2023 13:10

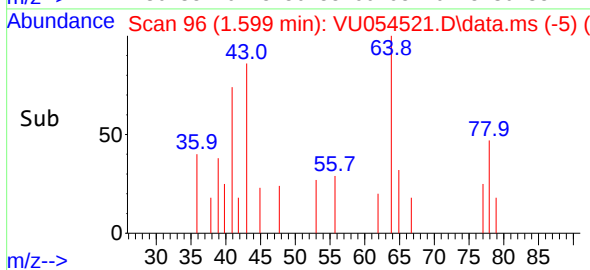
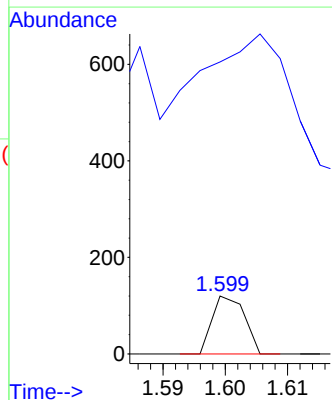
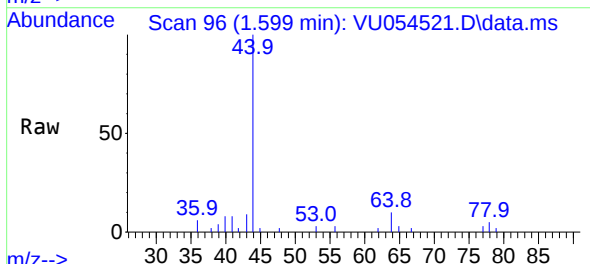
Instrument :
MSVOA_U
ClientSampleId :
CONSO

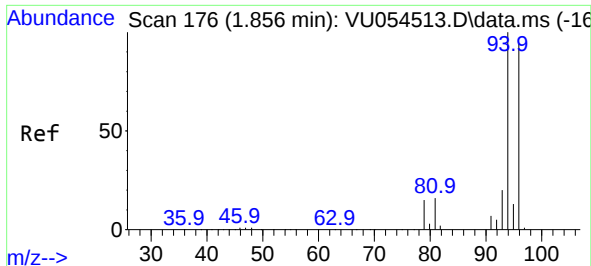
Tgt Ion: 50 Resp: 701
Ion Ratio Lower Upper
50 100
52 49.5 23.4 43.4#



#5
Vinyl chloride
Concen: 0.257 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.006 min
Lab File: VU054521.D
Acq: 15 Jun 2023 13:10

Tgt Ion: 62 Resp: 43
Ion Ratio Lower Upper
62 100
64 504.2 23.0 42.6#

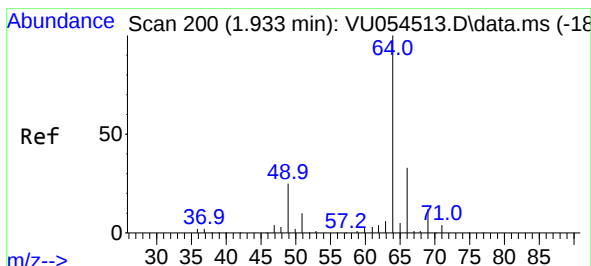
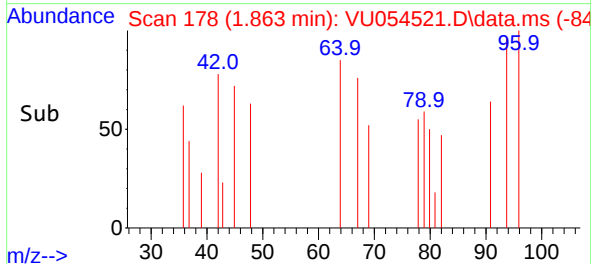
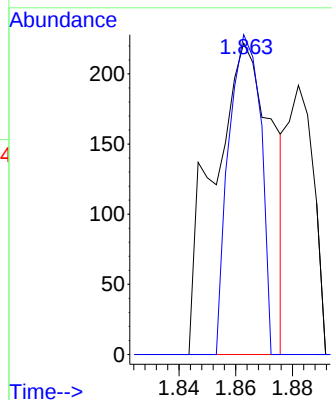
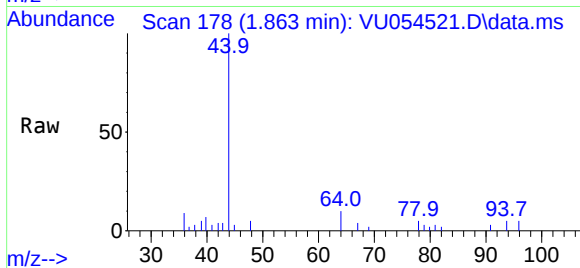




#6
Bromomethane
Concen: 3.465 ug/L
RT: 1.863 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU054521.D
Acq: 15 Jun 2023 13:10

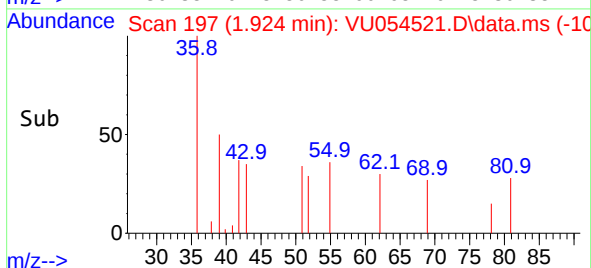
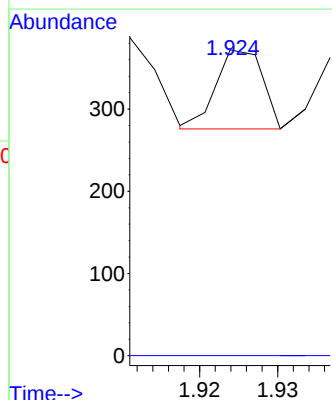
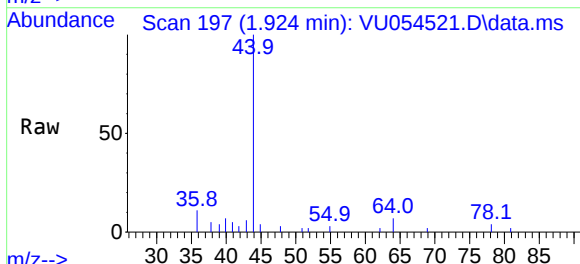
Instrument :
MSVOA_U
ClientSampleId :
CONSO

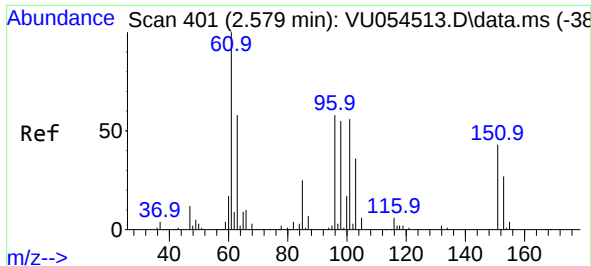
Tgt Ion: 94 Resp: 319
Ion Ratio Lower Upper
94 100
96 102.7 63.6 118.2



#8
Chloroethane
Concen: 0.398 ug/L
RT: 1.924 min Scan# 197
Delta R.T. -0.009 min
Lab File: VU054521.D
Acq: 15 Jun 2023 13:10

Tgt Ion: 64 Resp: 40
Ion Ratio Lower Upper
64 100
66 0.0 22.9 42.5#





#12

1,1-Dichloroethene

Concen: 0.372 ug/L

RT: 2.425 min Scan# 3

Delta R.T. -0.154 min

Lab File: VU054521.D

Acq: 15 Jun 2023 13:10

Instrument :

MSVOA_U

ClientSampleId :

CONSO

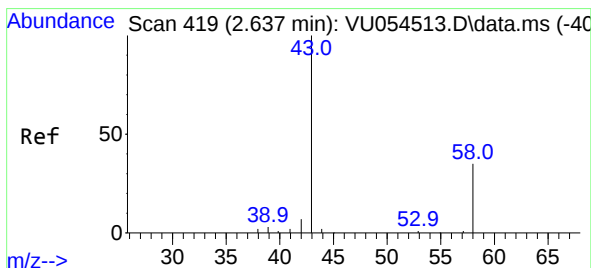
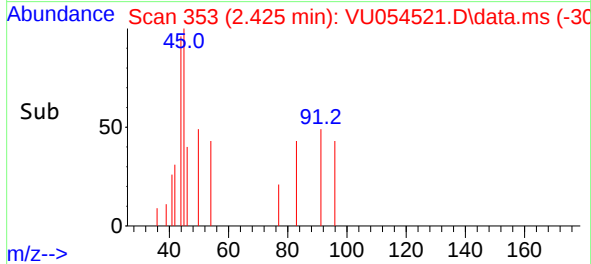
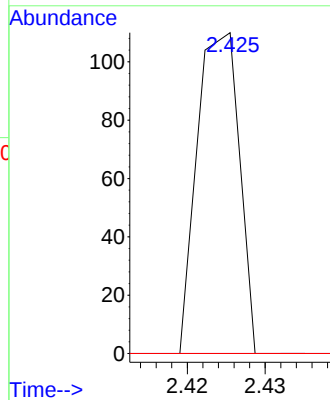
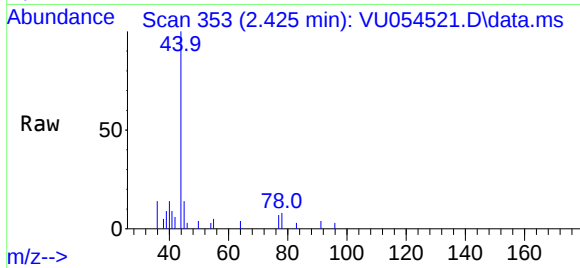
Tgt Ion: 96 Resp: 41

Ion Ratio Lower Upper

96 100

61 0.0 119.9 222.7#

63 0.0 64.3 119.3#



#13

Acetone

Concen: 216.387 ug/L

RT: 2.638 min Scan# 419

Delta R.T. -0.012 min

Lab File: VU054521.D

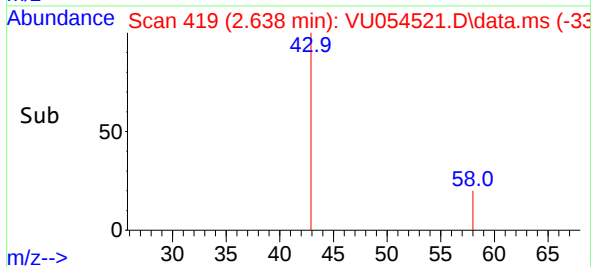
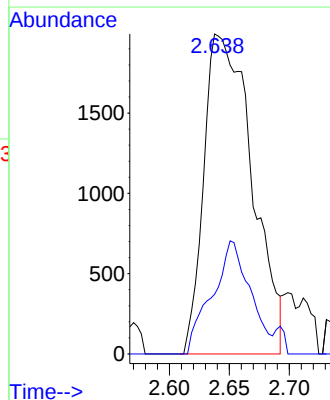
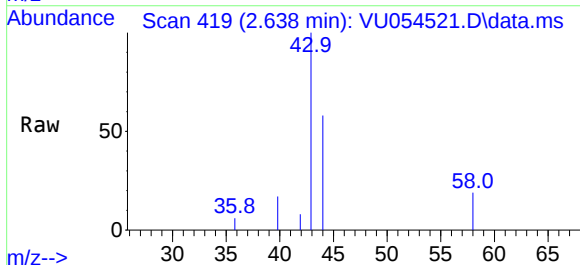
Acq: 15 Jun 2023 13:10

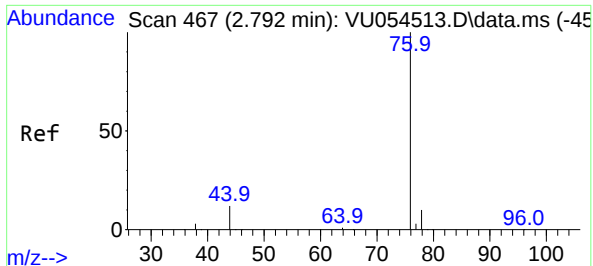
Tgt Ion: 43 Resp: 5549

Ion Ratio Lower Upper

43 100

58 28.1 0.0 67.2

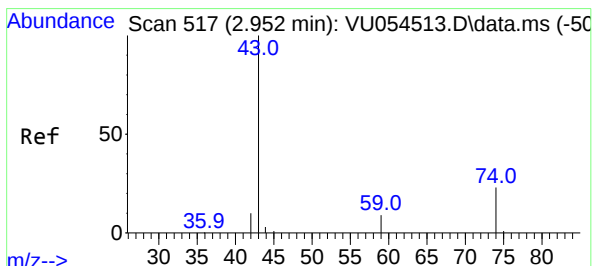
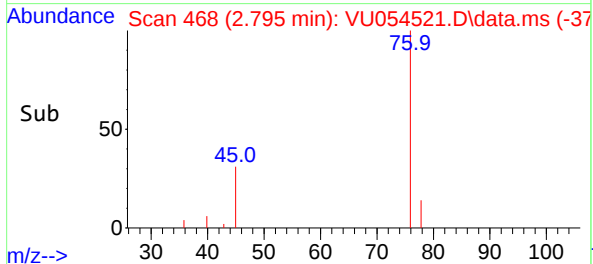
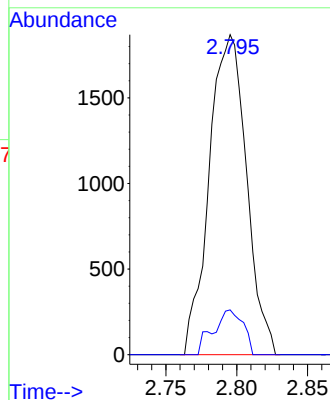
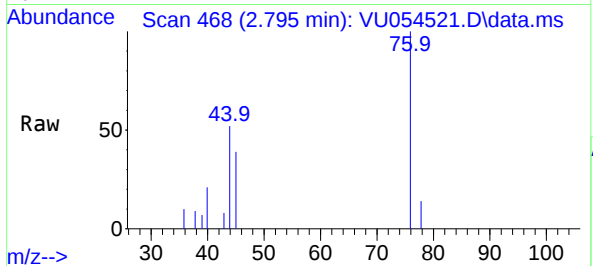




#14
Carbon disulfide
Concen: 10.470 ug/L
RT: 2.795 min Scan# 41
Delta R.T. 0.004 min
Lab File: VU054521.D
Acq: 15 Jun 2023 13:10

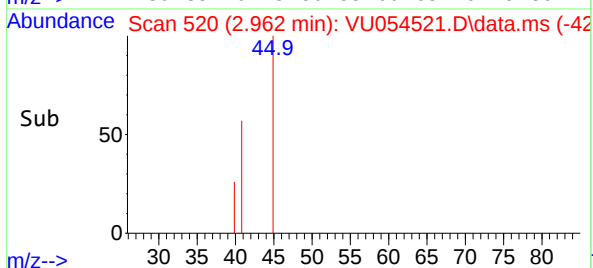
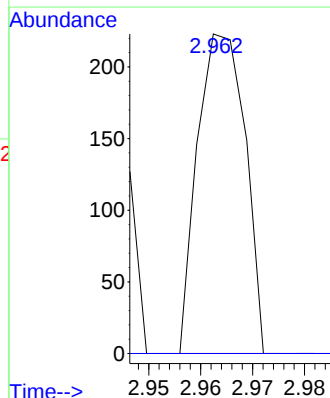
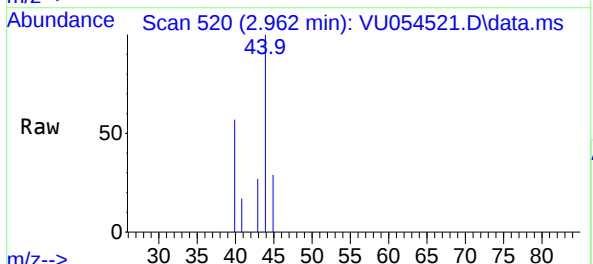
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MSVOA_U
ClientSampleId :
CONSO

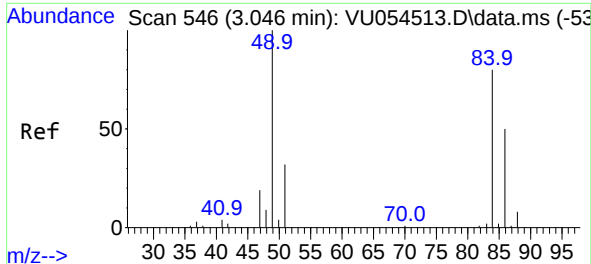
Tgt Ion: 76 Resp: 3423
Ion Ratio Lower Upper
76 100
78 14.0 7.4 11.0#



#15
Methyl Acetate
Concen: 2.988 ug/L
RT: 2.962 min Scan# 520
Delta R.T. 0.004 min
Lab File: VU054521.D
Acq: 15 Jun 2023 13:10

Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#

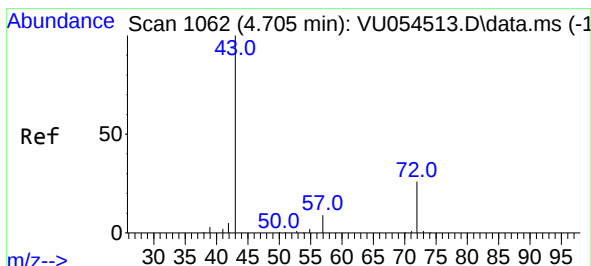
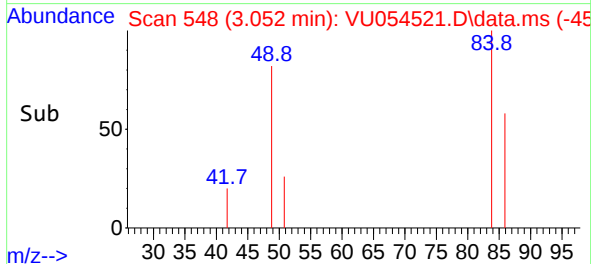
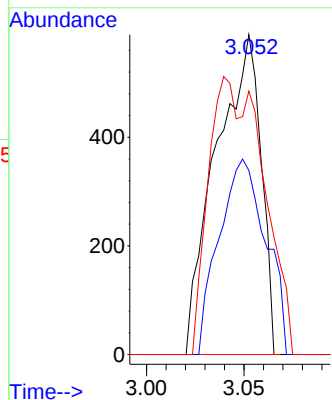
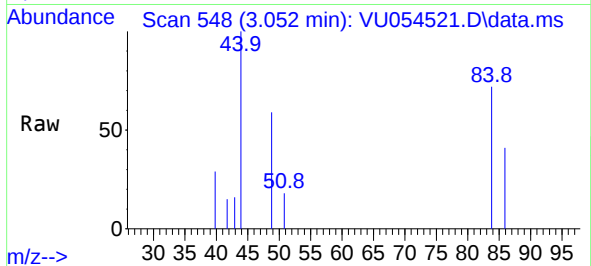




#16
Methylene chloride
Concen: 6.070 ug/L
RT: 3.052 min Scan# 54
Delta R.T. 0.007 min
Lab File: VU054521.D
Acq: 15 Jun 2023 13:10

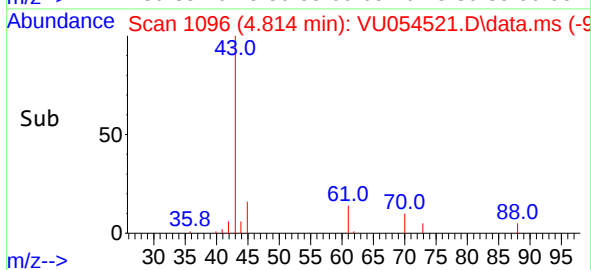
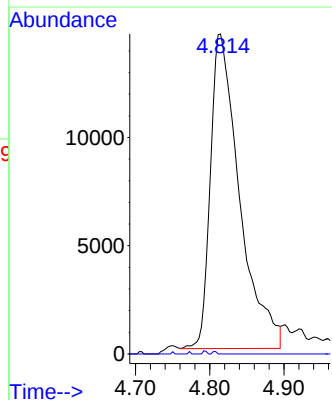
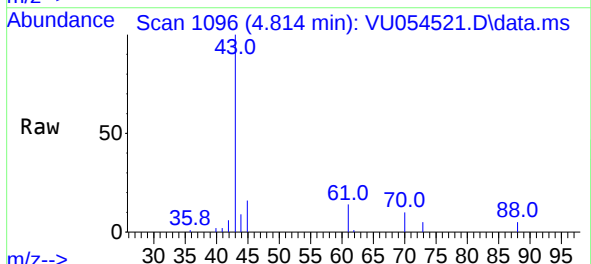
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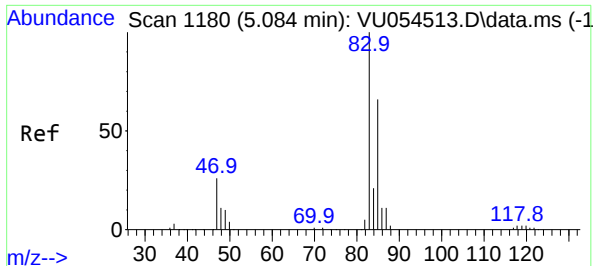
Tgt Ion: 84 Resp: 941
Ion Ratio Lower Upper
84 100
86 57.6 43.9 81.5
49 82.3 86.1 159.9#



#21
2-Butanone
Concen: 1187.797 ug/L
RT: 4.814 min Scan# 1096
Delta R.T. 0.103 min
Lab File: VU054521.D
Acq: 15 Jun 2023 13:10

Tgt Ion: 43 Resp: 39531
Ion Ratio Lower Upper
43 100
72 0.1 13.4 40.1#





#25

Chloroform

Concen: 0.478 ug/L

RT: 5.075 min Scan# 1177

Delta R.T. -0.009 min

Lab File: VU054521.D

Acq: 15 Jun 2023 13:10

Instrument :

MSVOA_U

ClientSampleId :

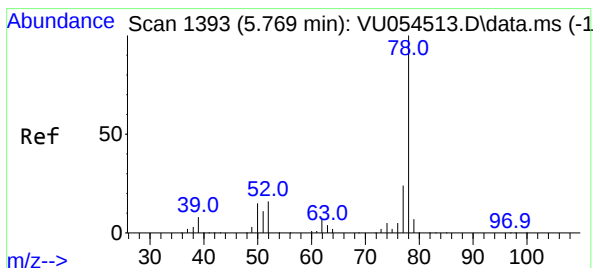
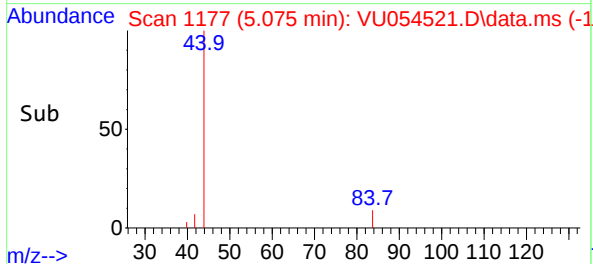
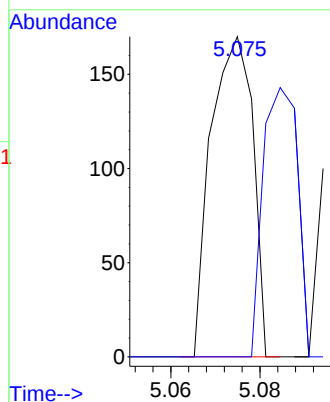
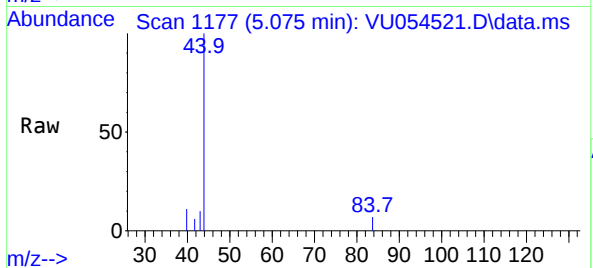
CONSO

Tgt Ion: 83 Resp: 111

Ion Ratio Lower Upper

83 100

85 0.0 44.7 82.9#



#33

Benzene

Concen: 0.271 ug/L

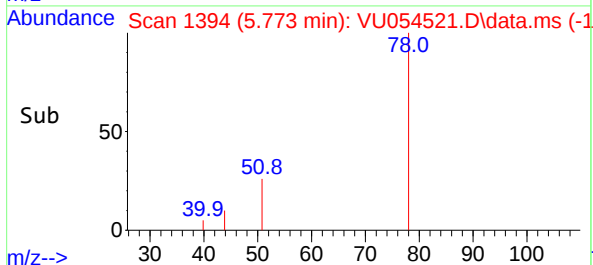
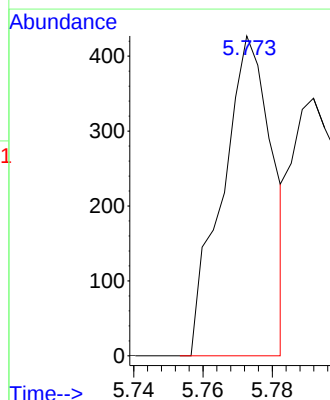
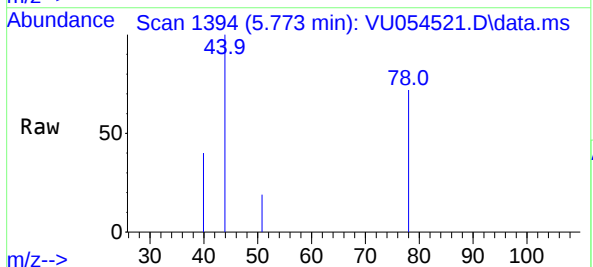
RT: 5.773 min Scan# 1394

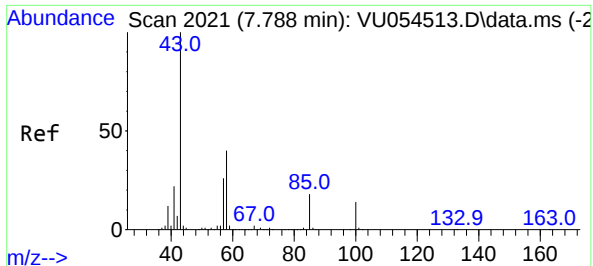
Delta R.T. 0.000 min

Lab File: VU054521.D

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Tgt Ion: 78 Resp: 427





#40

4-Methyl-2-pentanone

Concen: 3.003 ug/L

RT: 7.801 min Scan# 2021

Delta R.T. 0.013 min

Lab File: VU054521.D

Acq: 15 Jun 2023 13:10

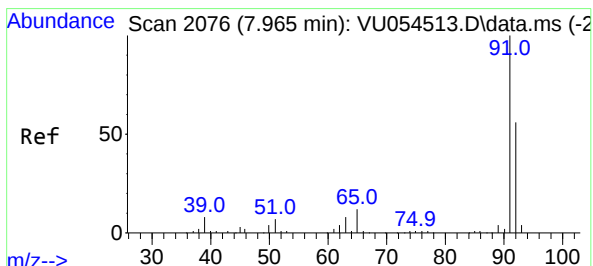
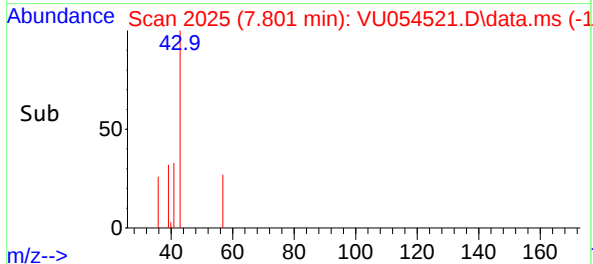
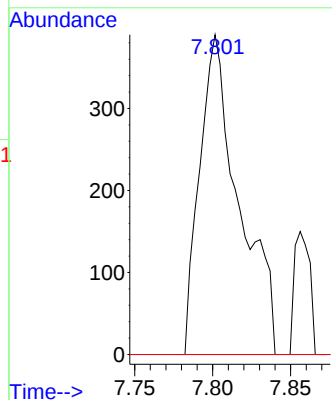
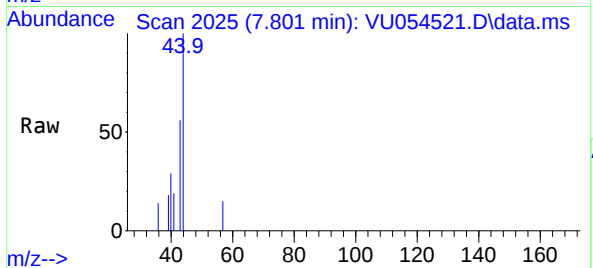
Instrument :

MSVOA_U

ClientSampleId :

CONSO

Tgt Ion: 43	Resp: 684
Ion Ratio	Lower Upper
43	100
58	0.0 32.4 48.6#
100	0.0 11.4 17.2#



#42

Toluene

Concen: 2.500 ug/L

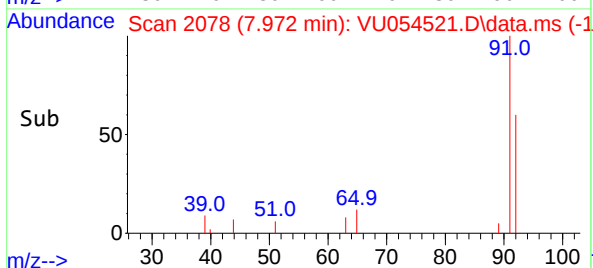
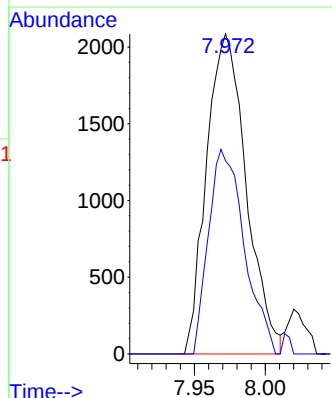
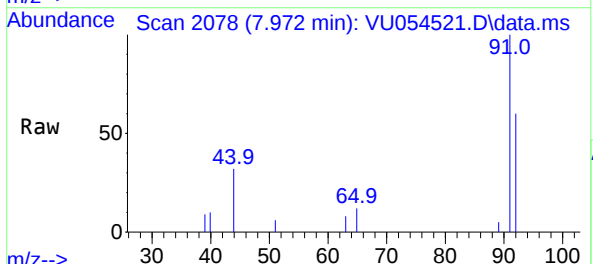
RT: 7.972 min Scan# 2078

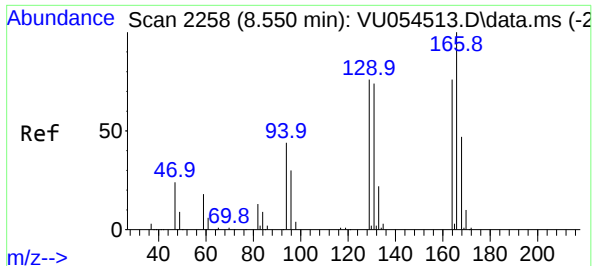
Delta R.T. 0.007 min

Lab File: VU054521.D

Acq: 15 Jun 2023 13:10

Tgt Ion: 91	Resp: 4064
Ion Ratio	Lower Upper
91	100
92	60.4 39.5 73.4





#47

Tetrachloroethene

Concen: 0.397 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU054521.D

Acq: 15 Jun 2023 13:10

Instrument :

MSVOA_U

ClientSampleId :

CONSO

Tgt Ion:164 Resp: 127

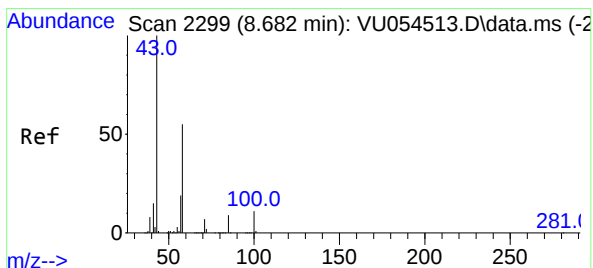
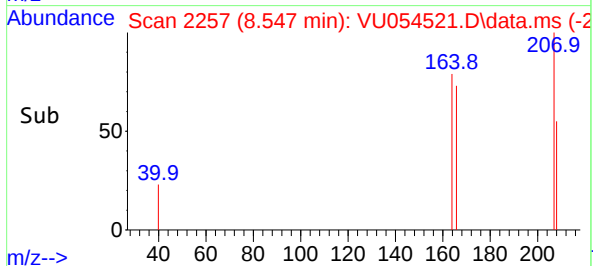
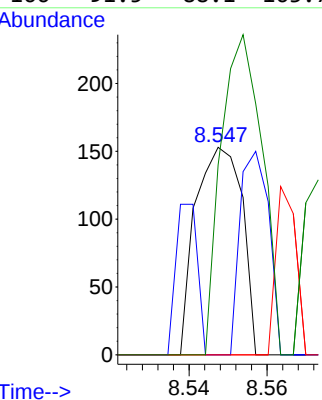
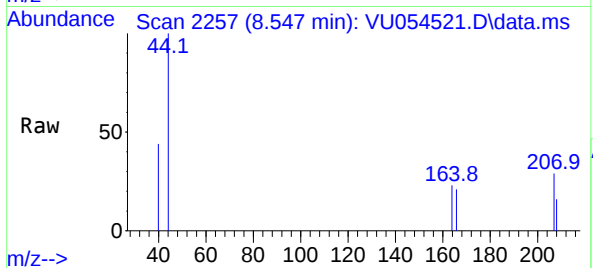
Ion Ratio Lower Upper

164 100

129 0.0 67.7 125.7#

131 0.0 64.6 120.0#

166 91.5 88.1 163.7



#48

2-Hexanone

Concen: 38.815 ug/L

RT: 8.689 min Scan# 2301

Delta R.T. 0.007 min

Lab File: VU054521.D

Acq: 15 Jun 2023 13:10

Tgt Ion: 43 Resp: 6587

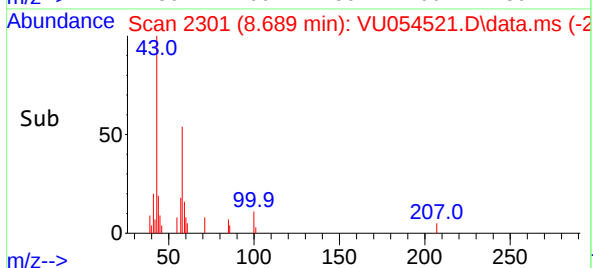
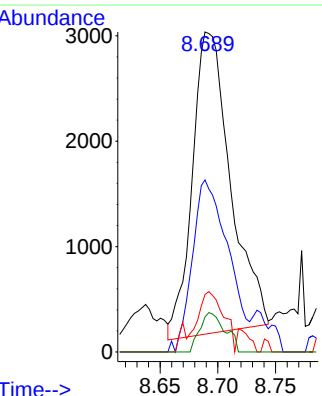
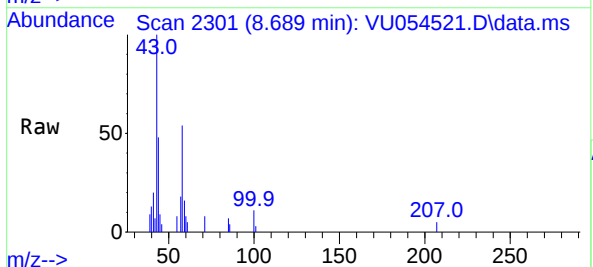
Ion Ratio Lower Upper

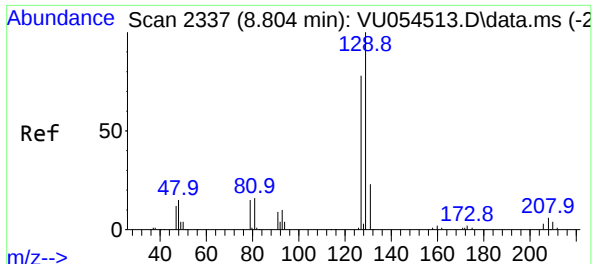
43 100

58 53.8 45.2 67.8

57 13.6 15.8 23.6#

100 8.5 8.7 13.1#





#49

Dibromochloromethane

Concen: 0.270 ug/L

RT: 8.557 min Scan# 21

Delta R.T. -0.247 min

Lab File: VU054521.D

Acq: 15 Jun 2023 13:10

Instrument :

MSVOA_U

ClientSampleId :

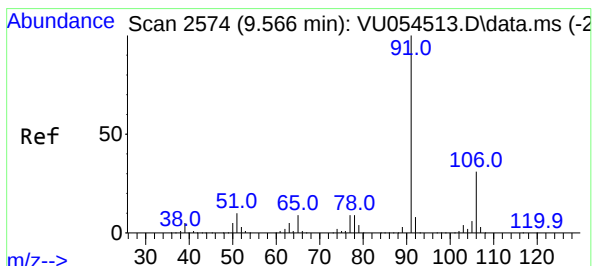
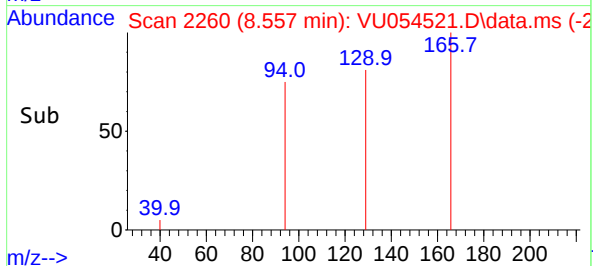
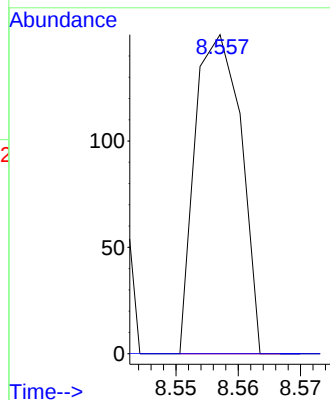
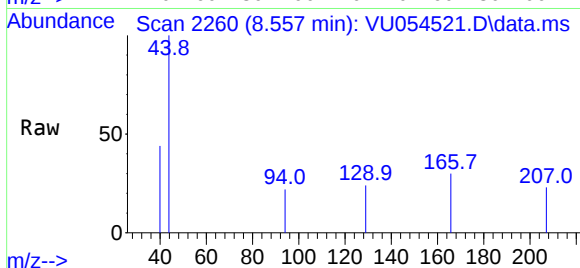
CONSO

Tgt Ion:129 Resp: 77

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#



#52

Ethylbenzene

Concen: 0.243 ug/L

RT: 9.570 min Scan# 2575

Delta R.T. 0.004 min

Lab File: VU054521.D

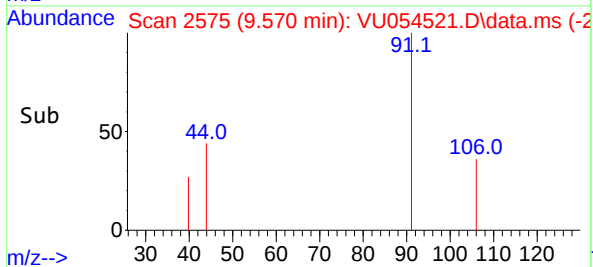
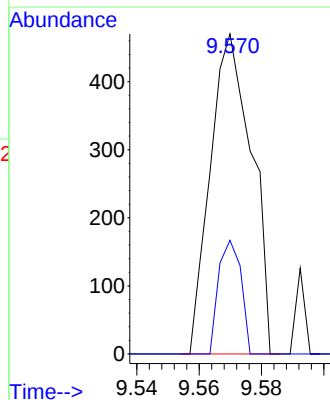
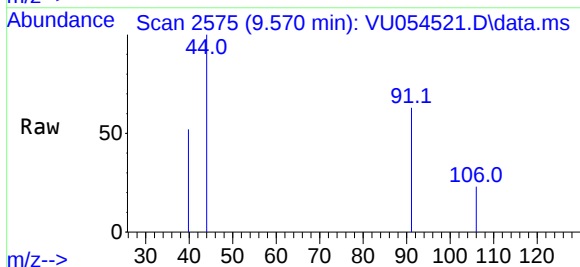
Acq: 15 Jun 2023 13:10

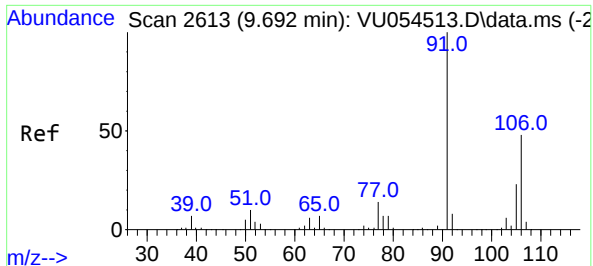
Tgt Ion: 91 Resp: 432

Ion Ratio Lower Upper

91 100

106 35.5 21.1 39.3

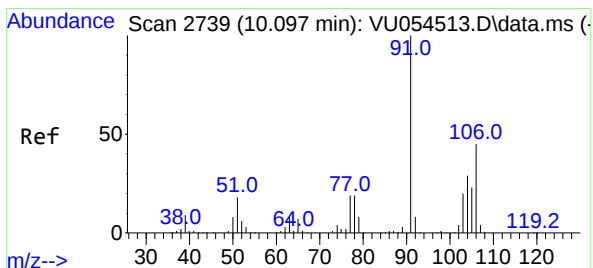
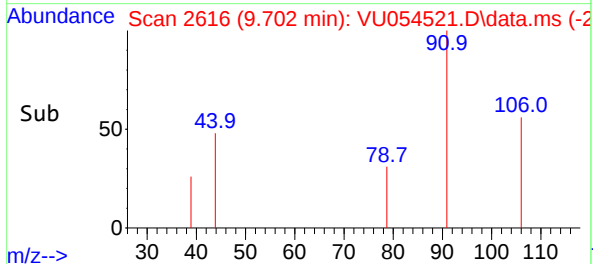
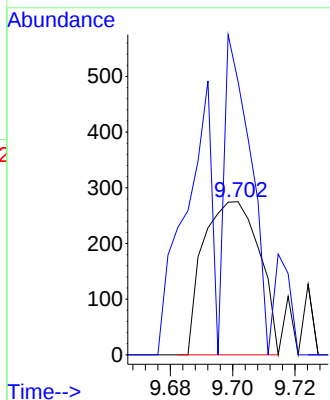
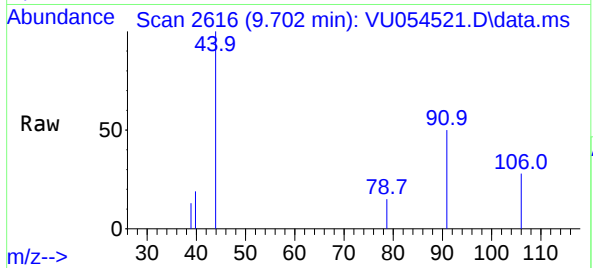




#53
m,p-Xylene
Concen: 0.527 ug/L
RT: 9.702 min Scan# 2741
Delta R.T. 0.010 min
Lab File: VU054521.D
Acq: 15 Jun 2023 13:10

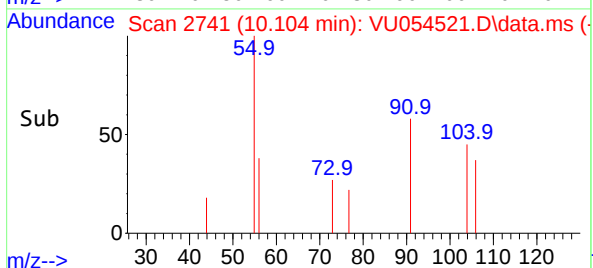
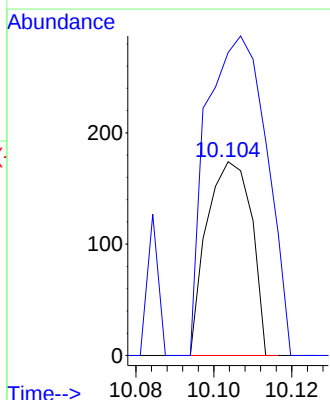
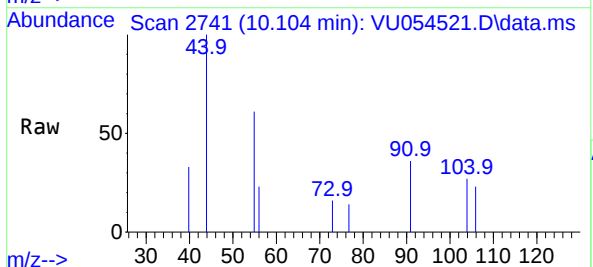
Instrument :
MSVOA_U
ClientSampleId :
CONSO

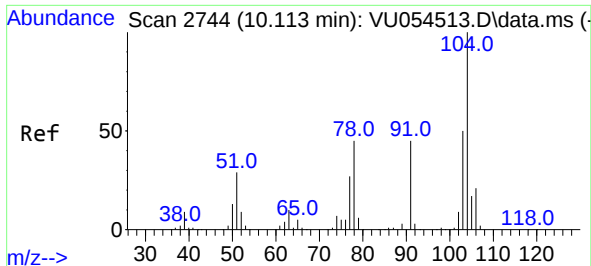
Tgt Ion:106 Resp: 344
Ion Ratio Lower Upper
106 100
91 178.5 147.0 273.0



#54
o-Xylene
Concen: 0.219 ug/L
RT: 10.104 min Scan# 2741
Delta R.T. 0.007 min
Lab File: VU054521.D
Acq: 15 Jun 2023 13:10

Tgt Ion:106 Resp: 138
Ion Ratio Lower Upper
106 100
91 156.3 154.5 286.9

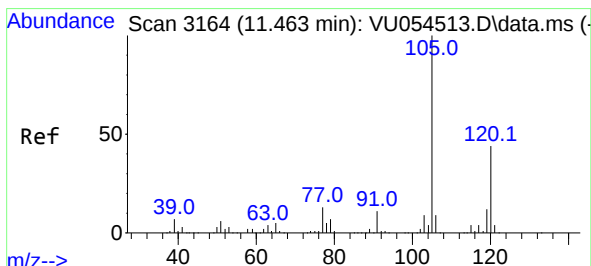
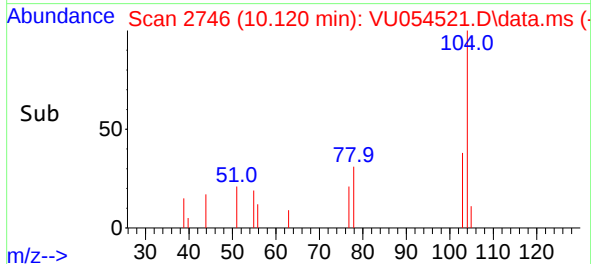
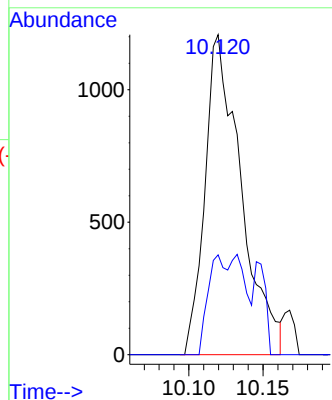
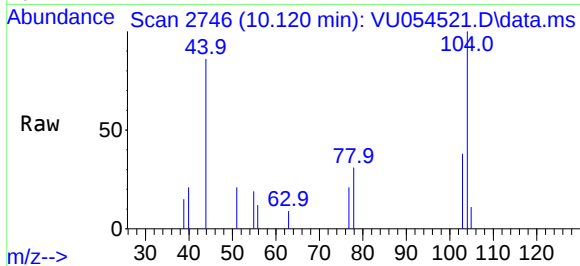




#55
Styrene
Concen: 1.928 ug/L
RT: 10.120 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU054521.D
Acq: 15 Jun 2023 13:10

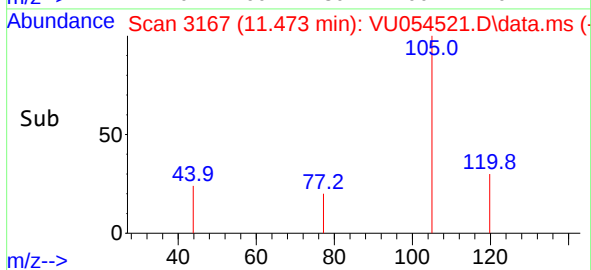
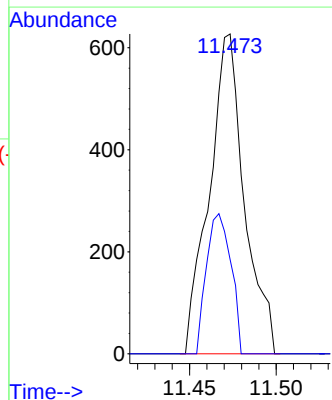
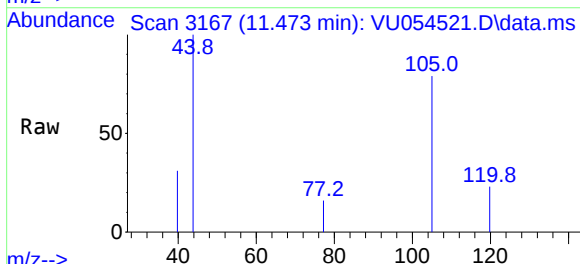
Instrument :
MSVOA_U
ClientSampleId :
CONSO

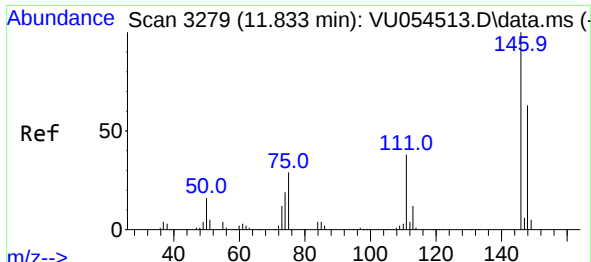
Tgt Ion:104 Resp: 2041
Ion Ratio Lower Upper
104 100
78 31.2 33.0 61.4#



#63
1,2,4-Trimethylbenzene
Concen: 0.203 ug/L
RT: 11.473 min Scan# 3167
Delta R.T. 0.010 min
Lab File: VU054521.D
Acq: 15 Jun 2023 13:10

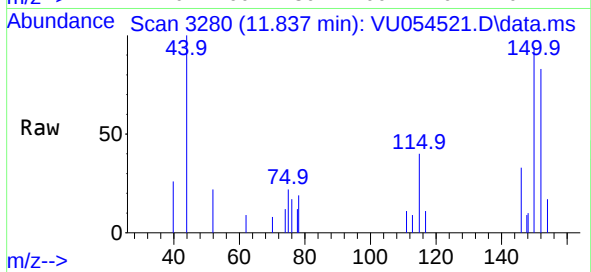
Tgt Ion:105 Resp: 883
Ion Ratio Lower Upper
105 100
120 30.5 35.4 53.0#





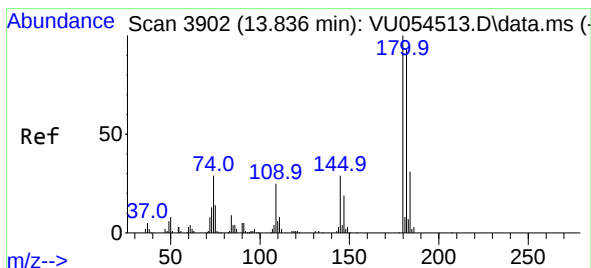
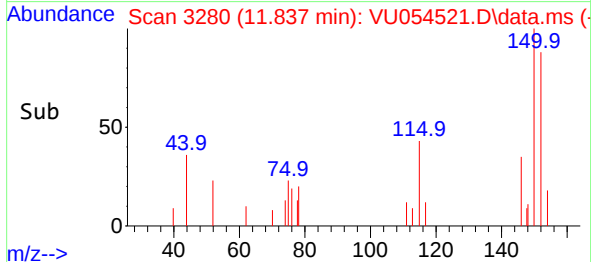
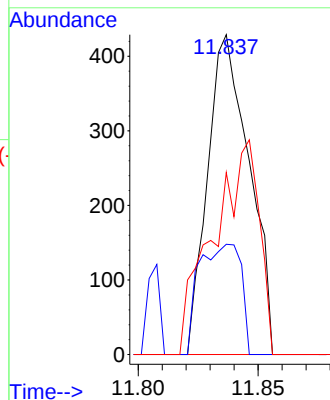
#65
1,4-Dichlorobenzene
Concen: 0.211 ug/L
RT: 11.837 min Scan# 311
Delta R.T. 0.004 min
Lab File: VU054521.D
Acq: 15 Jun 2023 13:10

Instrument :
MSVOA_U
ClientSampleId :
CONSO



Tgt Ion:146 Resp: 519

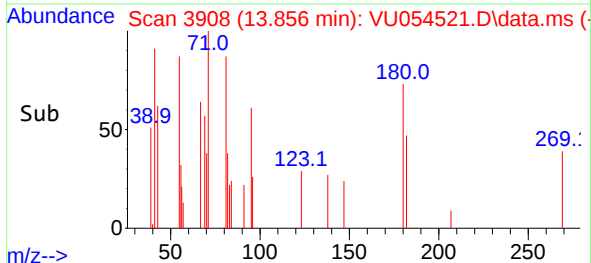
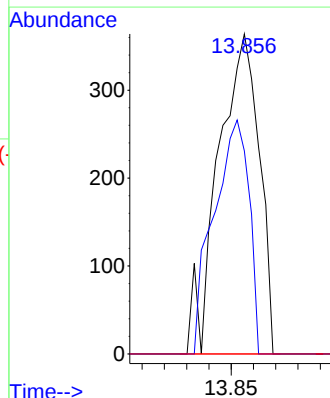
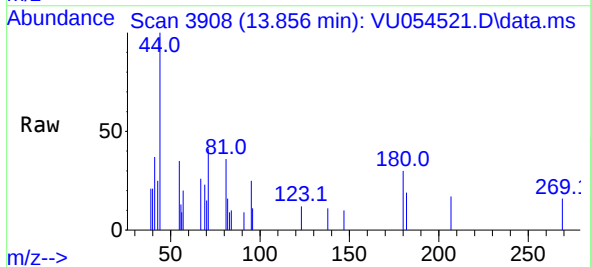
Ion	Ratio	Lower	Upper
146	100		
111	34.5	28.0	52.0
148	56.9	44.7	83.1

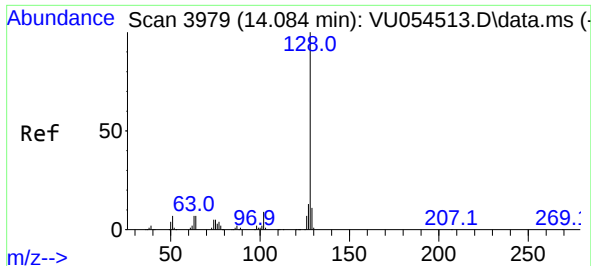


#70
1,2,4-trichlorobenzene
Concen: 0.303 ug/L
RT: 13.856 min Scan# 3908
Delta R.T. 0.020 min
Lab File: VU054521.D
Acq: 15 Jun 2023 13:10

Tgt Ion:180 Resp: 463

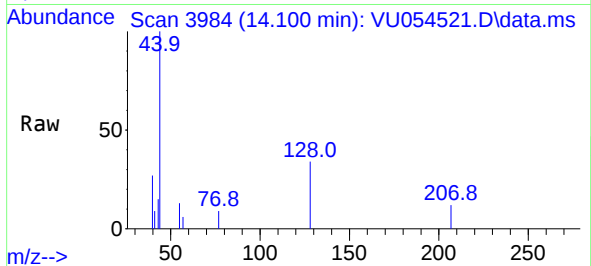
Ion	Ratio	Lower	Upper
180	100		
182	63.3	76.6	114.8#
145	0.0	24.0	36.0#





#71
Naphthalene
Concen: 0.476 ug/L
RT: 14.100 min Scan# 3984
Delta R.T. 0.020 min
Lab File: VU054521.D
Acq: 15 Jun 2023 13:10

Instrument :
MSVOA_U
ClientSampleId :
CONSO



Tgt Ion:	128	Resp:	1184
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.6	12.8#
127	3.5	10.6	15.8#

