

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U070124\
 Data File : U059707.D
 Acq On : 02 Jul 2024 00:28
 Operator : MD/SY
 Sample : P3121-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 02 03:55:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 29 01:51:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	199164	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	198737	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	100410	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	39022	2.818	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.400%
7) Chloroethane-d5	1.907	69	44570	3.345	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	66.800%
11) 1,1-Dichloroethene-d2	2.560	65	18938	3.296	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.000%
20) 2-Butanone-d5	4.631	46	167796	58.821	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.640%
24) Chloroform-d	5.055	84	113545	3.994	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.800%
26) 1,2-Dichloroethane-d4	5.695	65	59693	4.359	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
32) Benzene-d6	5.721	84	226807	4.147	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
36) 1,2-Dichloropropane-d6	6.682	67	74807	4.463	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.200%
41) Toluene-d8	7.891	98	194445	3.824	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
43) trans-1,3-Dichloroprop...	8.174	79	22725	4.330	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.600%
46) 2-Hexanone-d5	8.627	63	145666	66.801	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	133.600%#
56) 1,1,2,2-Tetrachloroeth...	10.749	84	69369	5.009	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	83628	4.679	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	25126	1.252	ug/L	95
13) Acetone	2.644	43	8382	4.530	ug/L	71
14) Carbon disulfide	2.792	76	7096	0.151	ug/L	96
15) Methyl Acetate	2.949	43	131107	26.848	ug/L	95
16) Methylene chloride	3.036	84	2821	0.169	ug/L	82
18) trans-1,2-Dichloroethene	3.348	96	8218	0.559	ug/L	92
21) 2-Butanone	4.718	43	59718	20.120	ug/L	93
22) cis-1,2-Dichloroethene	4.656	96	153721	9.494	ug/L	94
34) Trichloroethene	6.537	95	16746	1.025	ug/L	91
35) Methylcyclohexane	6.682	83	17547	0.755	ug/L #	18
37) 1,2-Dichloropropane	6.685	63	7442	0.477	ug/L #	90
45) 1,1,2-Trichloroethane	8.544	97	1951	0.170	ug/L #	1
47) Tetrachloroethene	8.547	164	234507	18.490	ug/L	93
49) Dibromochloromethane	8.547	129	211224	16.568	ug/L #	12
52) Ethylbenzene	9.566	91	7817	0.119	ug/L	98
53) m,p-Xylene	9.688	106	11491	0.456	ug/L	97
54) o-Xylene	10.100	106	3019	0.126	ug/L	94
61) 1,2,3-Trichloropropane	11.804	75	11107	1.197	ug/L #	70
63) 1,2,4-Trimethylbenzene	11.467	105	9520	0.203	ug/L	100

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Quant Time: Jul 02 03:55:55 2024
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jun 29 01:51:23 2024
Response via : Initial Calibration

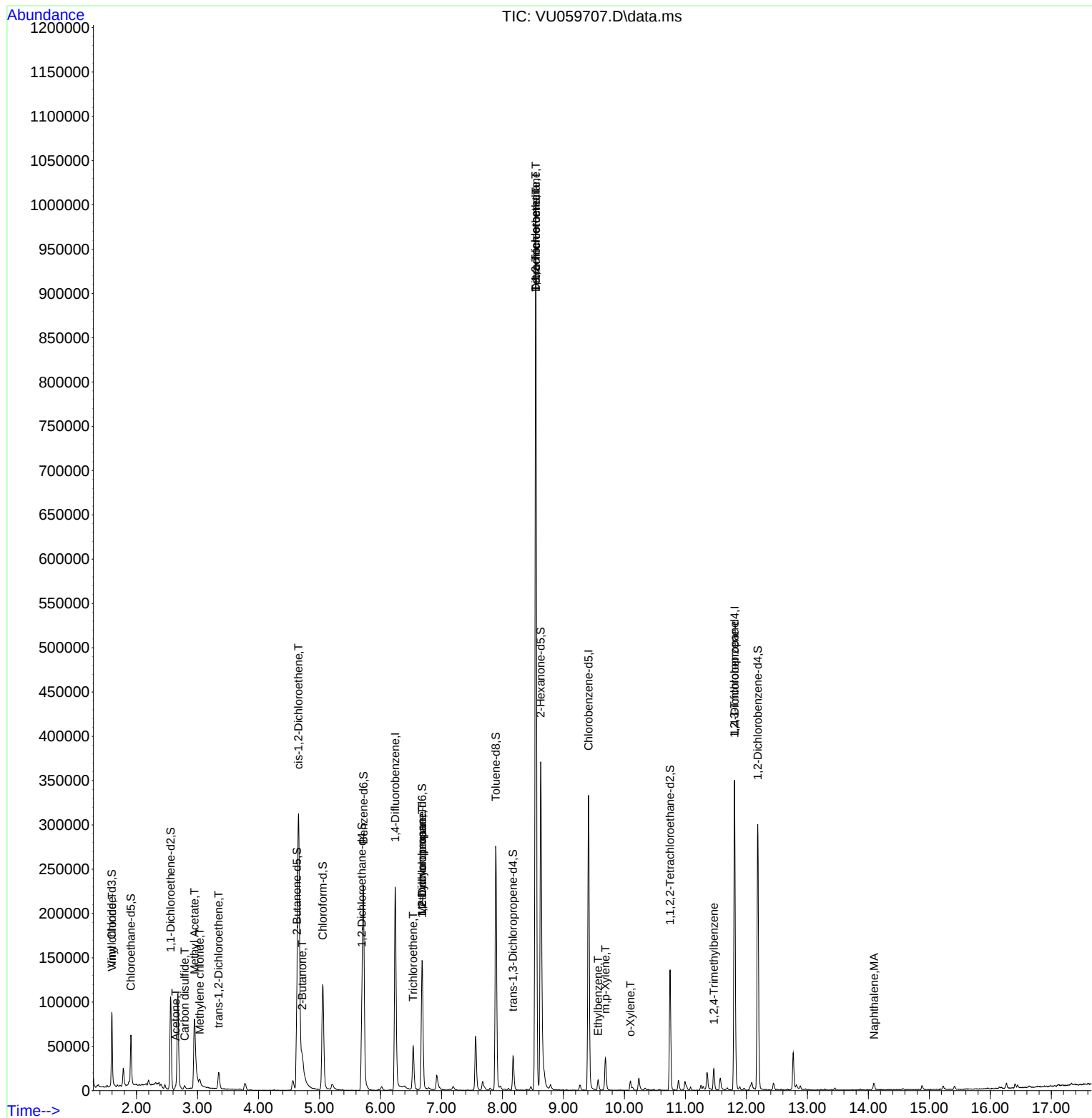
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.093	128	7147	0.279	ug/L	# 94

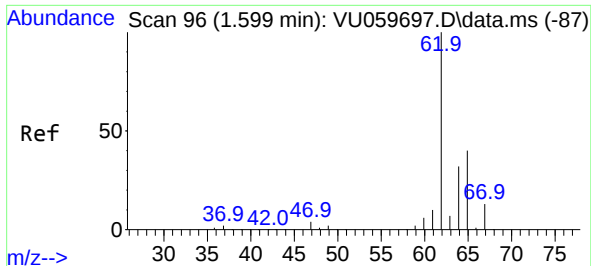
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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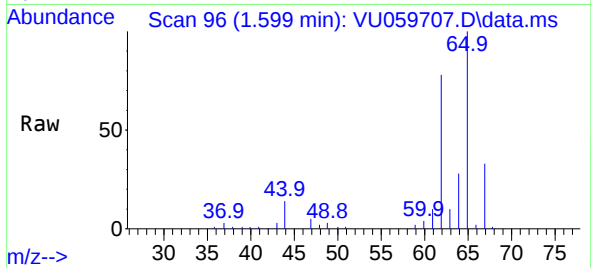
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jun 29 01:51:23 2024
Response via : Initial Calibration



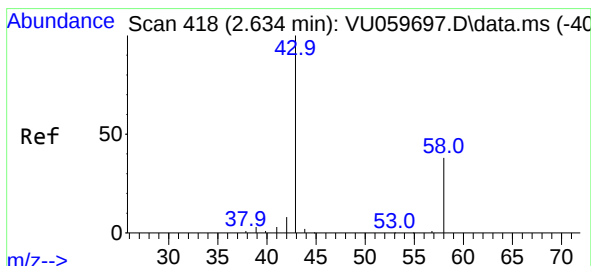
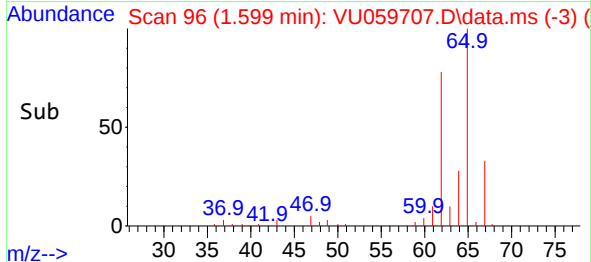
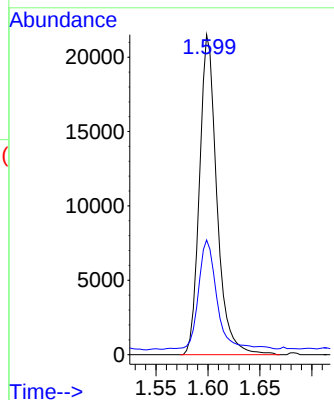


#5
 Vinyl chloride
 Concen: 1.252 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU059707.D
 Acq: 02 Jul 2024 00:28

Instrument :
 MSVOA_U
 ClientSampleId :

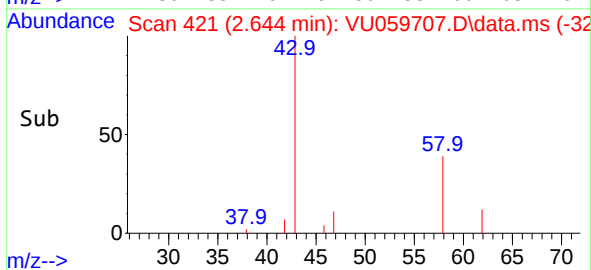
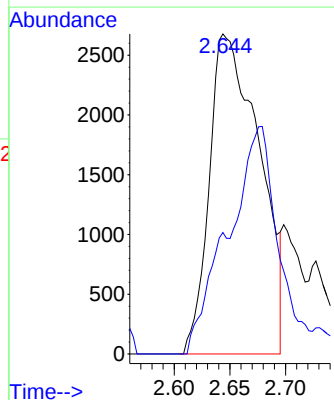
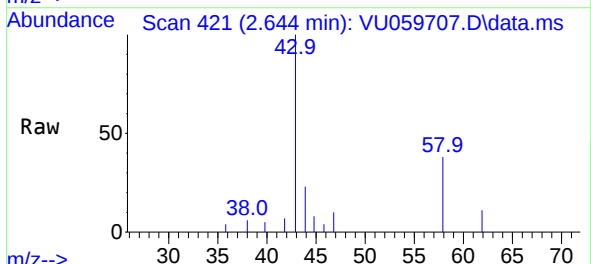


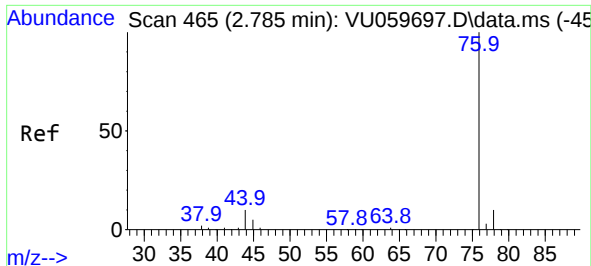
Tgt Ion: 62 Resp: 25126
 Ion Ratio Lower Upper
 62 100
 64 35.8 23.1 42.9



#13
 Acetone
 Concen: 4.530 ug/L
 RT: 2.644 min Scan# 421
 Delta R.T. 0.010 min
 Lab File: VU059707.D
 Acq: 02 Jul 2024 00:28

Tgt Ion: 43 Resp: 8382
 Ion Ratio Lower Upper
 43 100
 58 17.7 0.0 68.0

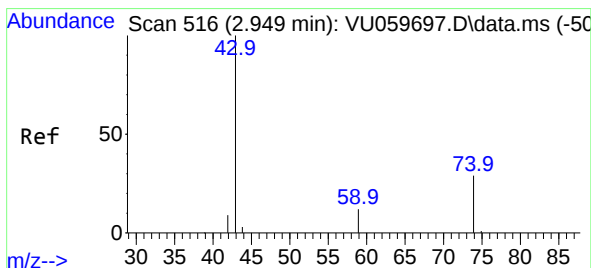
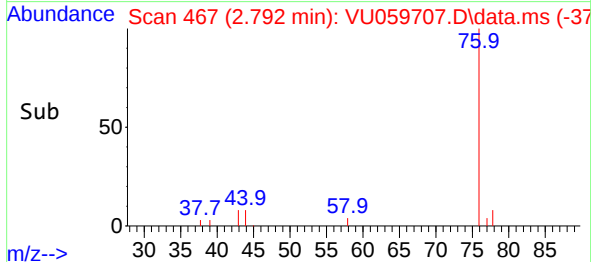
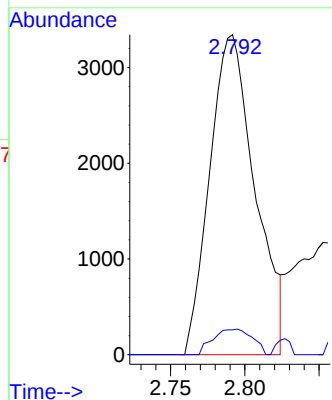
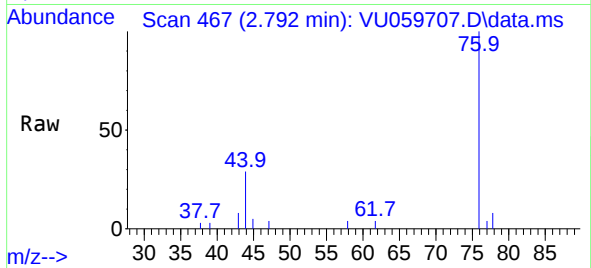




#14
Carbon disulfide
Concen: 0.151 ug/L
RT: 2.792 min Scan# 467
Delta R.T. 0.007 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

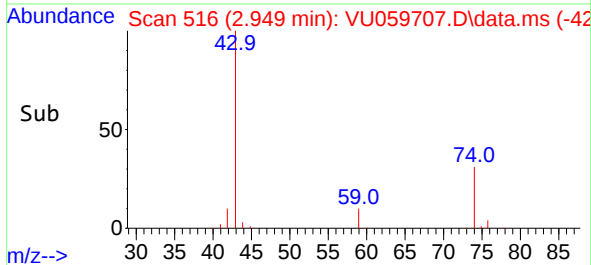
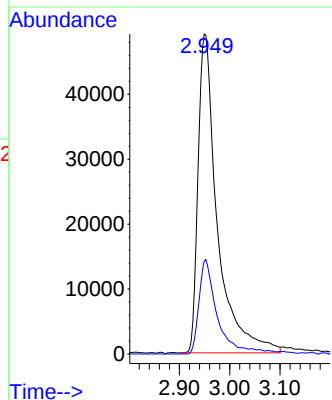
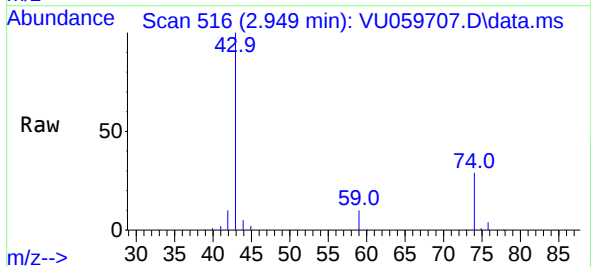
Instrument :
MSVOA_U
ClientSampleId :

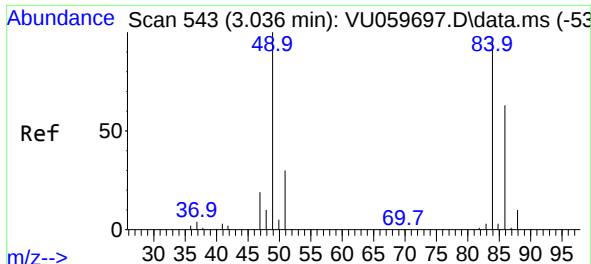
Tgt Ion: 76 Resp: 7096
Ion Ratio Lower Upper
76 100
78 7.8 7.3 10.9



#15
Methyl Acetate
Concen: 26.848 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.000 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

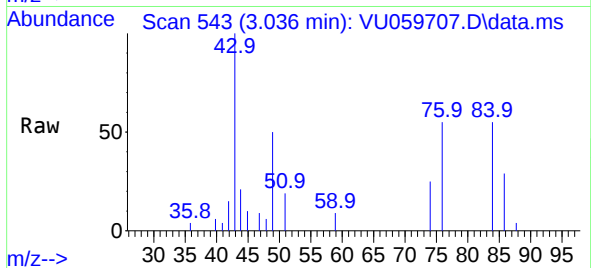
Tgt Ion: 43 Resp: 131107
Ion Ratio Lower Upper
43 100
74 26.6 19.2 28.8





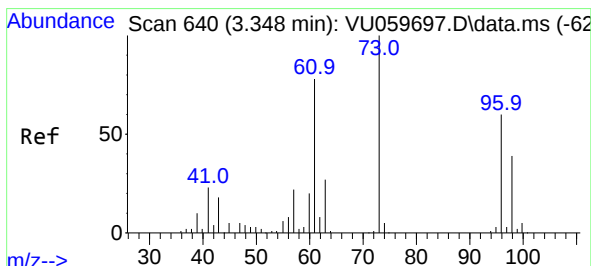
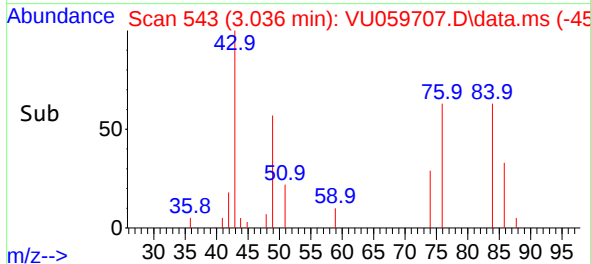
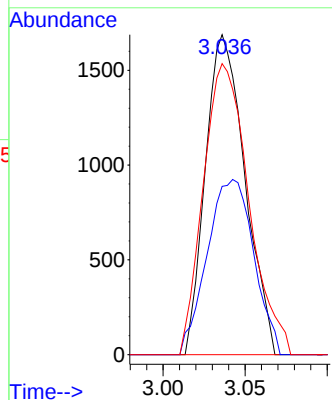
#16
Methylene chloride
Concen: 0.169 ug/L
RT: 3.036 min Scan# 54
Delta R.T. -0.003 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 2821

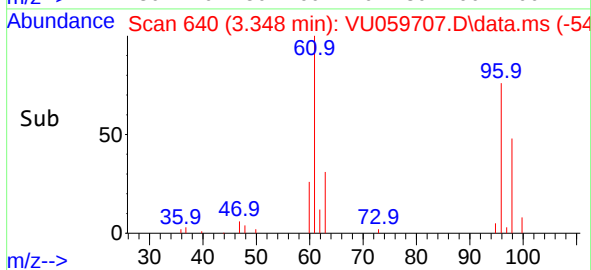
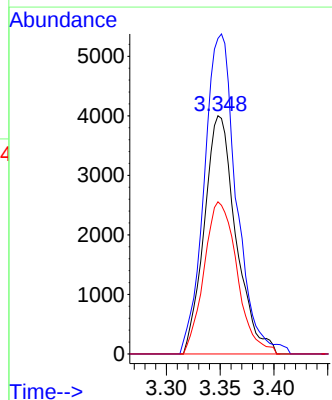
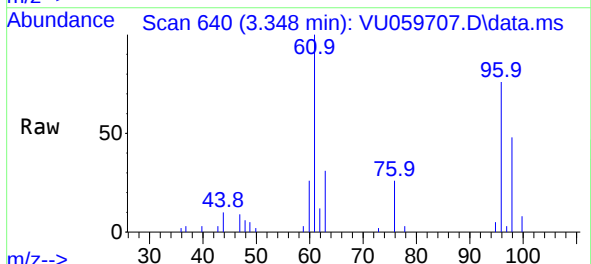
Ion	Ratio	Lower	Upper
84	100		
86	52.6	42.1	78.1
49	90.9	80.6	149.8

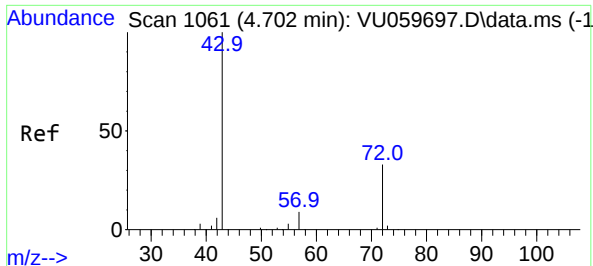


#18
trans-1,2-Dichloroethene
Concen: 0.559 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

Tgt Ion: 96 Resp: 8218

Ion	Ratio	Lower	Upper
96	100		
61	132.4	101.8	189.0
98	63.9	43.3	80.5

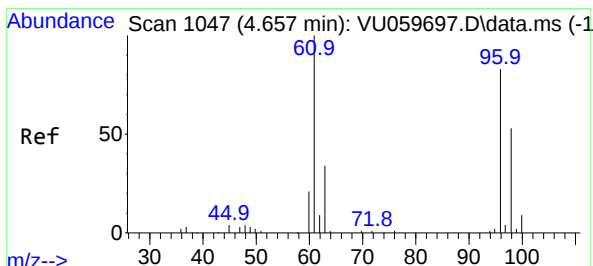
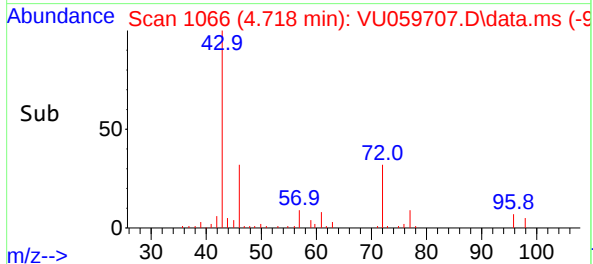
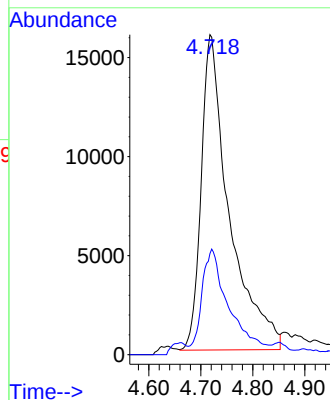
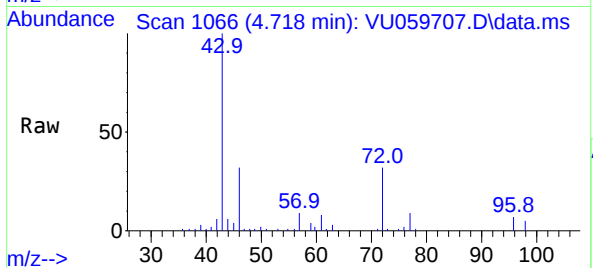




#21
2-Butanone
Concen: 20.120 ug/L
RT: 4.718 min Scan# 1066
Delta R.T. 0.019 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

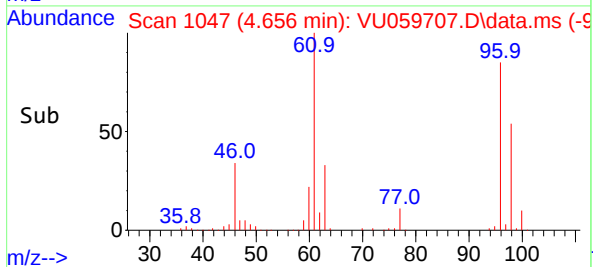
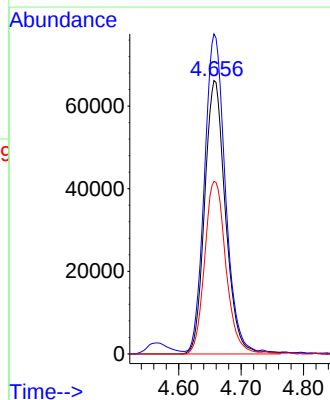
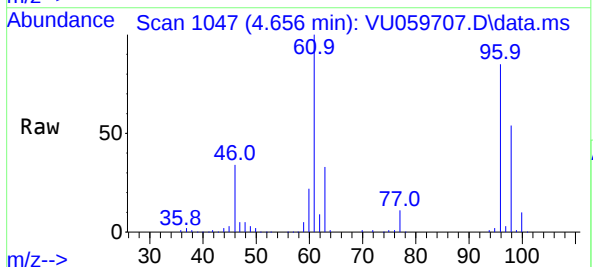
Instrument :
MSVOA_U
ClientSampleId :

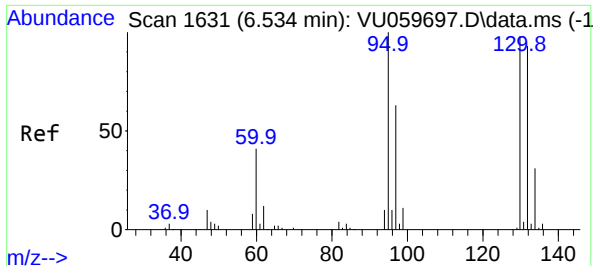
Tgt Ion: 43 Resp: 59718
Ion Ratio Lower Upper
43 100
72 31.4 13.8 41.4



#22
cis-1,2-Dichloroethene
Concen: 9.494 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

Tgt Ion: 96 Resp: 153721
Ion Ratio Lower Upper
96 100
61 117.0 87.4 162.2
98 63.0 42.3 78.5

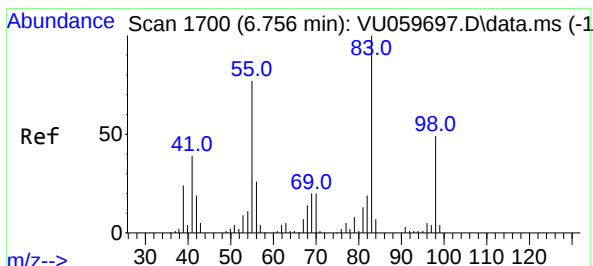
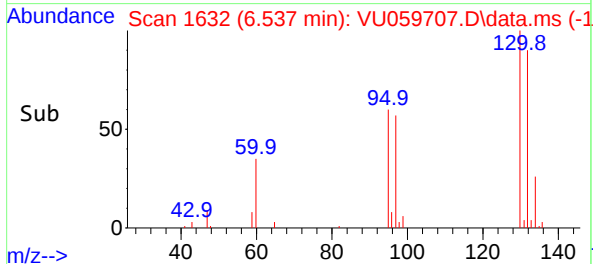
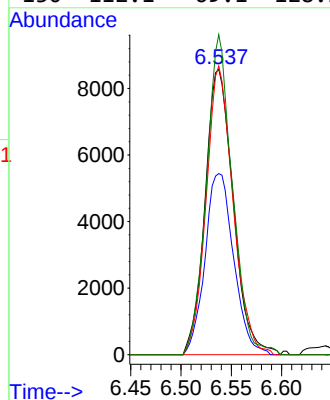
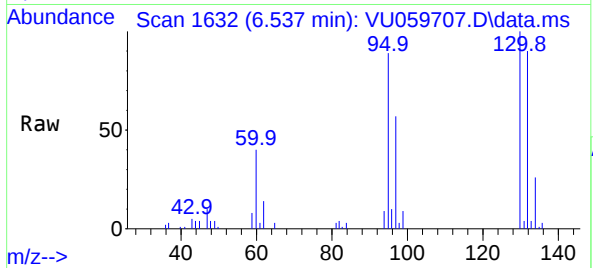




#34
Trichloroethene
Concen: 1.025 ug/L
RT: 6.537 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

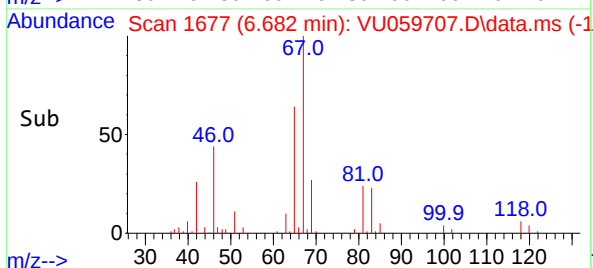
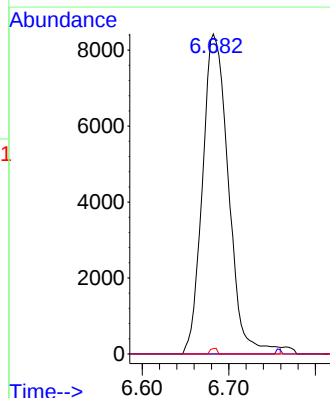
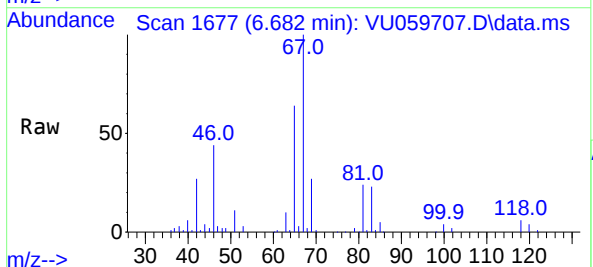
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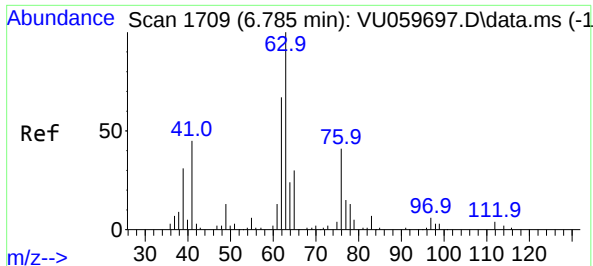
Tgt Ion: 95 Resp: 16746
Ion Ratio Lower Upper
95 100
97 63.4 45.3 84.1
132 101.1 64.0 119.0
130 112.1 69.1 128.3



#35
Methylcyclohexane
Concen: 0.755 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

Tgt Ion: 83 Resp: 17547
Ion Ratio Lower Upper
83 100
55 0.3 62.7 94.1#
98 0.4 35.4 53.0#

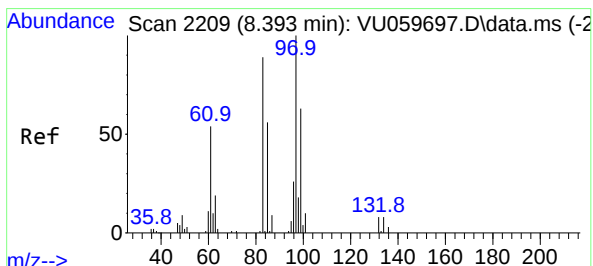
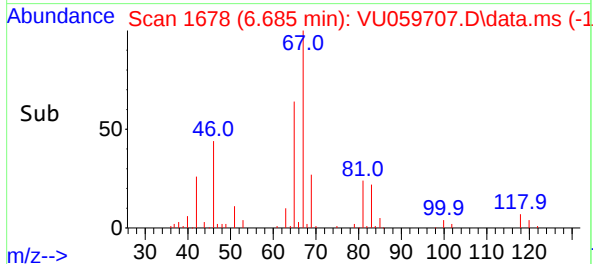
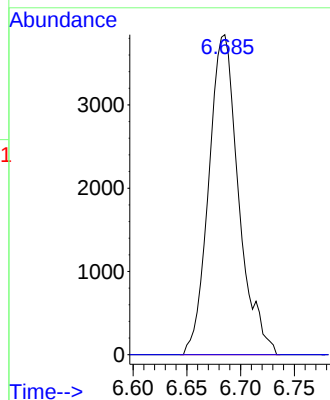
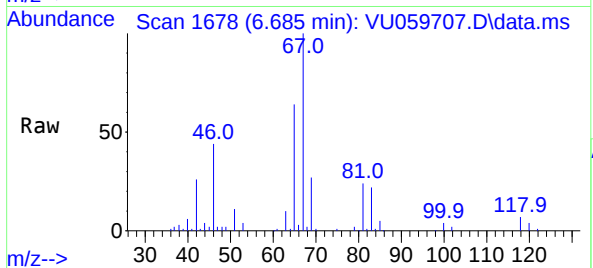




#37
1,2-Dichloropropane
Concen: 0.477 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

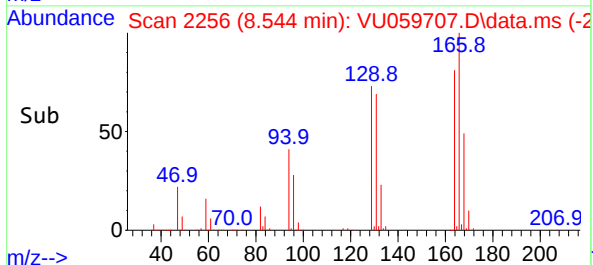
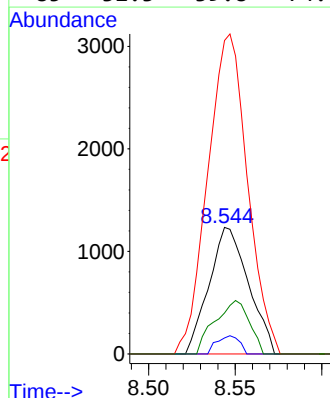
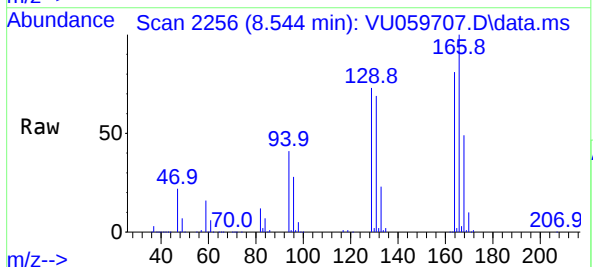
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ClientSampleId :

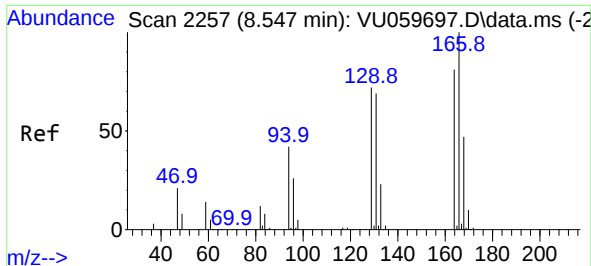
Tgt Ion: 63 Resp: 7442
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#



#45
1,1,2-Trichloroethane
Concen: 0.170 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.151 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

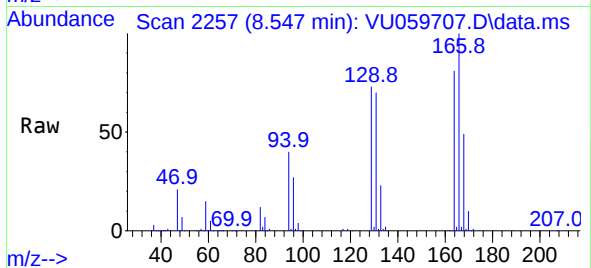
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Ion Ratio Lower Upper
97 100
99 12.6 43.3 80.3#
83 247.7 62.3 115.7#
85 32.3 39.8 74.0#



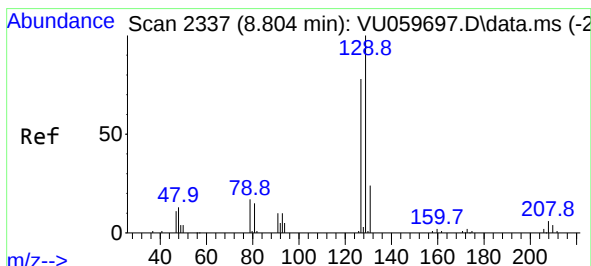
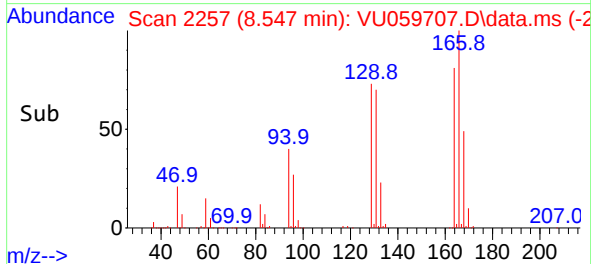
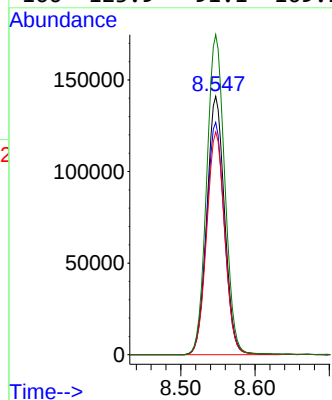


#47
Tetrachloroethene
Concen: 18.490 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

Instrument :
MSVOA_U
ClientSampleId :

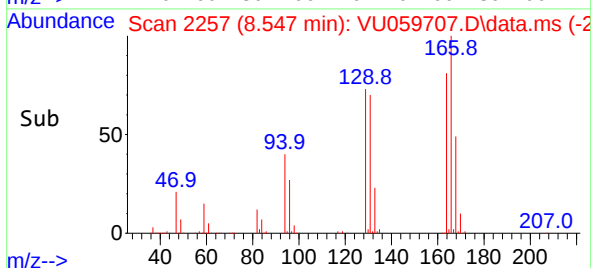
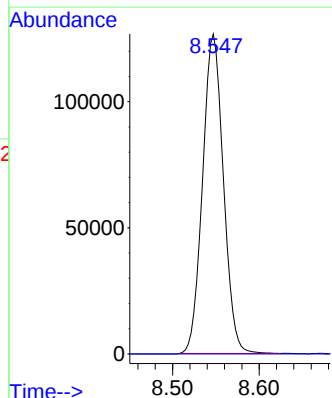
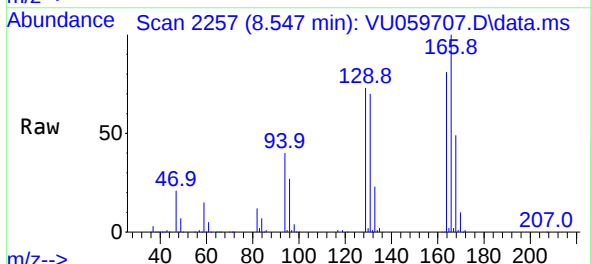


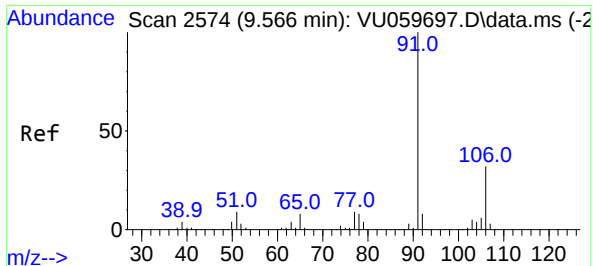
Tgt Ion:164 Resp: 234507
Ion Ratio Lower Upper
164 100
129 89.9 70.8 131.4
131 86.2 64.8 120.3
166 123.9 91.1 169.1



#49
Dibromochloromethane
Concen: 16.568 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.254 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

Tgt Ion:129 Resp: 211224
Ion Ratio Lower Upper
129 100
127 0.0 52.5 97.5#

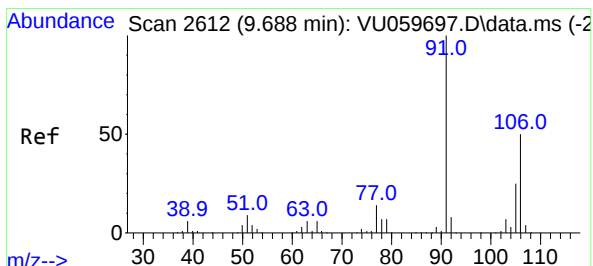
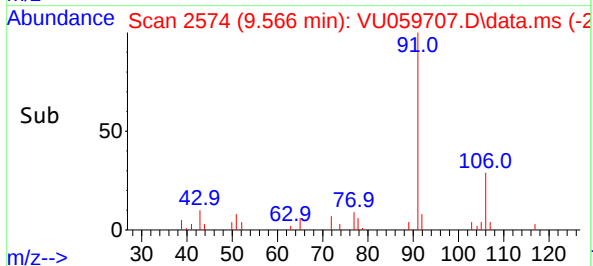
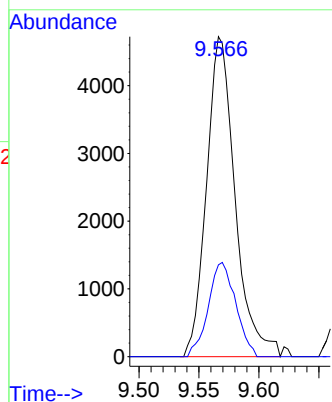
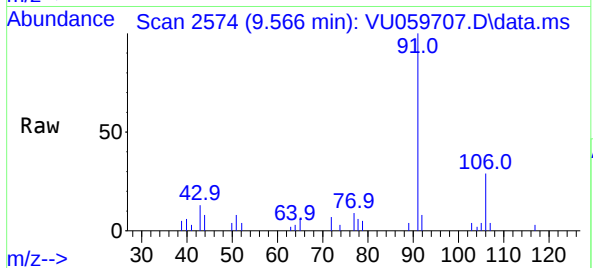




#52
Ethylbenzene
Concen: 0.119 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

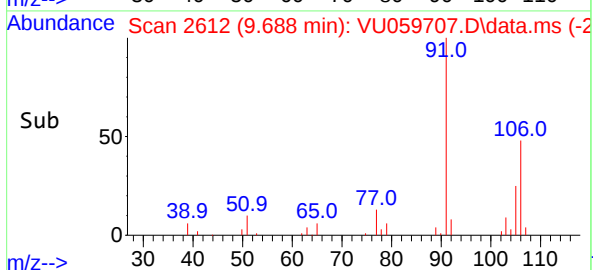
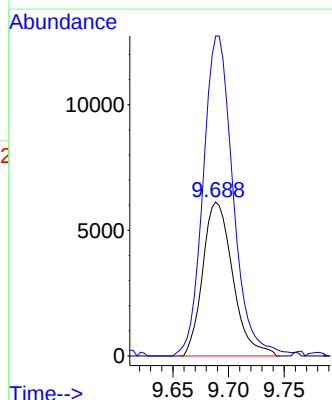
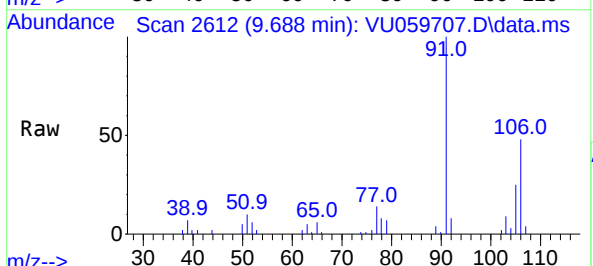
Instrument :
MSVOA_U
ClientSampleId :

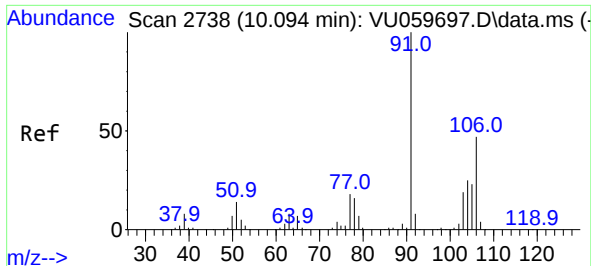
Tgt Ion: 91 Resp: 7817
Ion Ratio Lower Upper
91 100
106 28.7 20.9 38.7



#53
m,p-Xylene
Concen: 0.456 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

Tgt Ion: 106 Resp: 11491
Ion Ratio Lower Upper
106 100
91 207.9 142.0 263.8

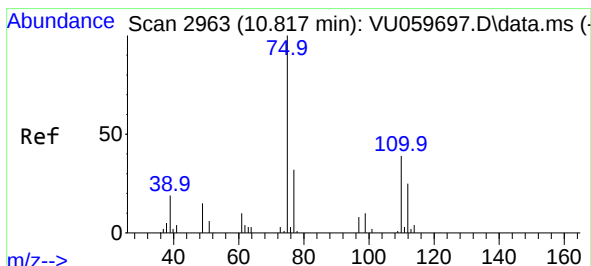
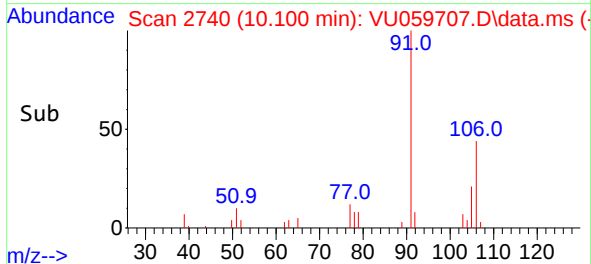
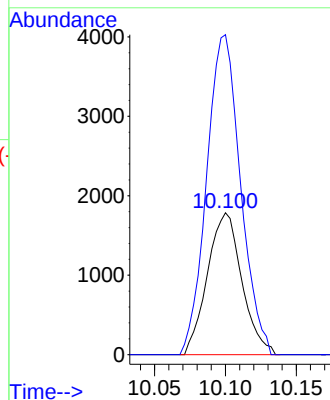
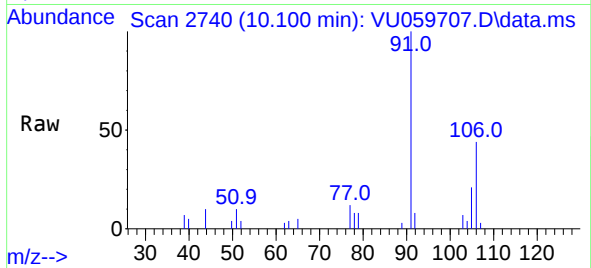




#54
o-Xylene
Concen: 0.126 ug/L
RT: 10.100 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

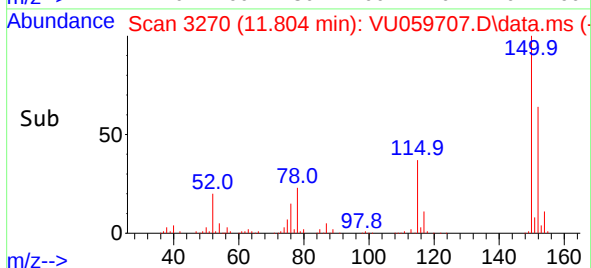
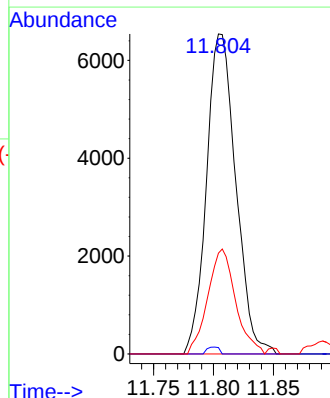
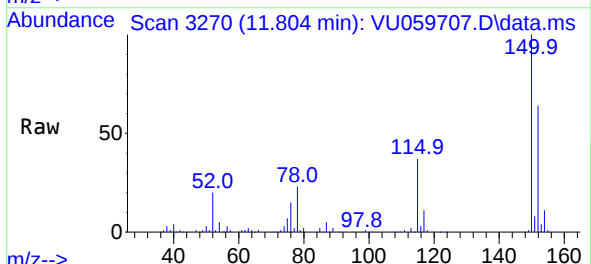
Instrument :
MSVOA_U
ClientSampleId :

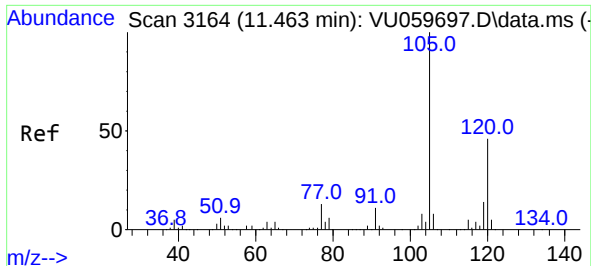
Tgt Ion:106 Resp: 3019
Ion Ratio Lower Upper
106 100
91 225.4 151.6 281.6



#61
1,2,3-Trichloropropane
Concen: 1.197 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.987 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

Tgt Ion: 75 Resp: 11107
Ion Ratio Lower Upper
75 100
110 0.9 27.1 40.7#
77 31.1 25.4 38.2

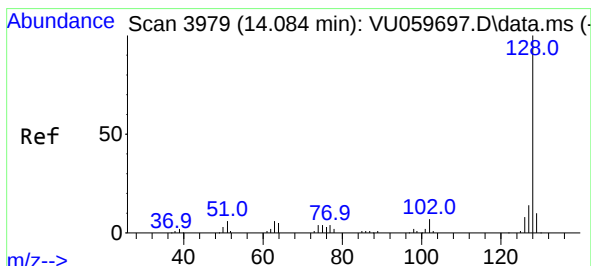
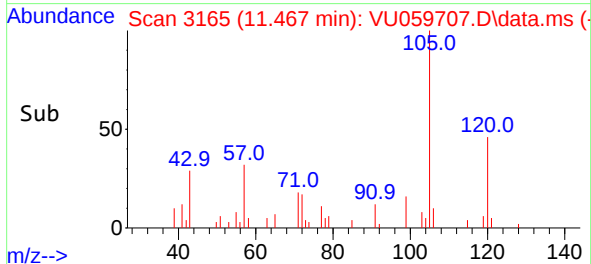
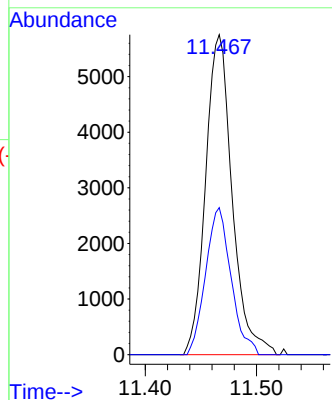
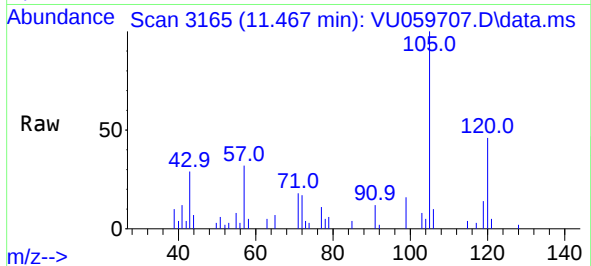




#63
1,2,4-Trimethylbenzene
Concen: 0.203 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 9520
Ion Ratio Lower Upper
105 100
120 44.0 35.4 53.0



#71
Naphthalene
Concen: 0.279 ug/L
RT: 14.093 min Scan# 3982
Delta R.T. 0.010 min
Lab File: VU059707.D
Acq: 02 Jul 2024 00:28

Tgt Ion:128 Resp: 7147
Ion Ratio Lower Upper
128 100
129 9.8 8.2 12.4
127 9.0 10.2 15.4#

