

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
 Data File : VU061112.D
 Acq On : 11 Oct 2024 12:35
 Operator : MD/SY
 Sample : P4380-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 14 04:18:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 11 06:46:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	162565	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	149361	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	74932	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	42194	3.630	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.600%
7) Chloroethane-d5	1.908	69	38080	4.377	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.600%
11) 1,1-Dichloroethene-d2	2.560	65	19562	3.815	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.400%
20) 2-Butanone-d5	4.634	46	110363	39.641	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.280%
24) Chloroform-d	5.052	84	95317	4.653	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.695	65	48881	4.502	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
32) Benzene-d6	5.718	84	183104	4.649	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.682	67	62910	4.864	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.891	98	167349	4.546	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
43) trans-1,3-Dichloroprop...	8.174	79	23483	4.246	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.624	63	111498	48.712	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.420%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	46574	4.910	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.200%
66) 1,2-Dichlorobenzene-d4	12.184	152	60614	5.059	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.473	85	2267	0.286	ug/L	92
5) Vinyl chloride	1.599	62	3405	0.296	ug/L #	37
8) Chloroethane	2.123	64	47457	6.811	ug/L #	52
13) Acetone	2.647	43	133375	74.491	ug/L	98
14) Carbon disulfide	2.785	76	16395	0.514	ug/L	98
15) Methyl Acetate	3.068	43	1876	0.430	ug/L #	83
21) 2-Butanone	4.721	43	28153	9.551	ug/L	97
27) 1,2-Dichloroethane	5.763	62	2344	0.177	ug/L #	72
30) Cyclohexane	5.377	56	1591	0.083	ug/L #	62
33) Benzene	5.766	78	260098	5.907	ug/L	100
35) Methylcyclohexane	6.750	83	1999	0.104	ug/L #	82
37) 1,2-Dichloropropane	6.679	63	7050	0.608	ug/L #	93
42) Toluene	7.962	91	197411	4.208	ug/L	98
45) 1,1,2-Trichloroethane	8.271	97	1249	0.162	ug/L #	15
52) Ethylbenzene	9.566	91	17536	0.330	ug/L	97
53) m,p-Xylene	9.685	106	46971	2.422	ug/L	91
54) o-Xylene	10.094	106	28318	1.484	ug/L	95
55) Styrene	10.110	104	3507	0.114	ug/L #	1
60) Isopropylbenzene	10.480	105	3635	0.073	ug/L	93

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QLast Update : Fri Oct 11 06:46:55 2024
Response via : Initial Calibration

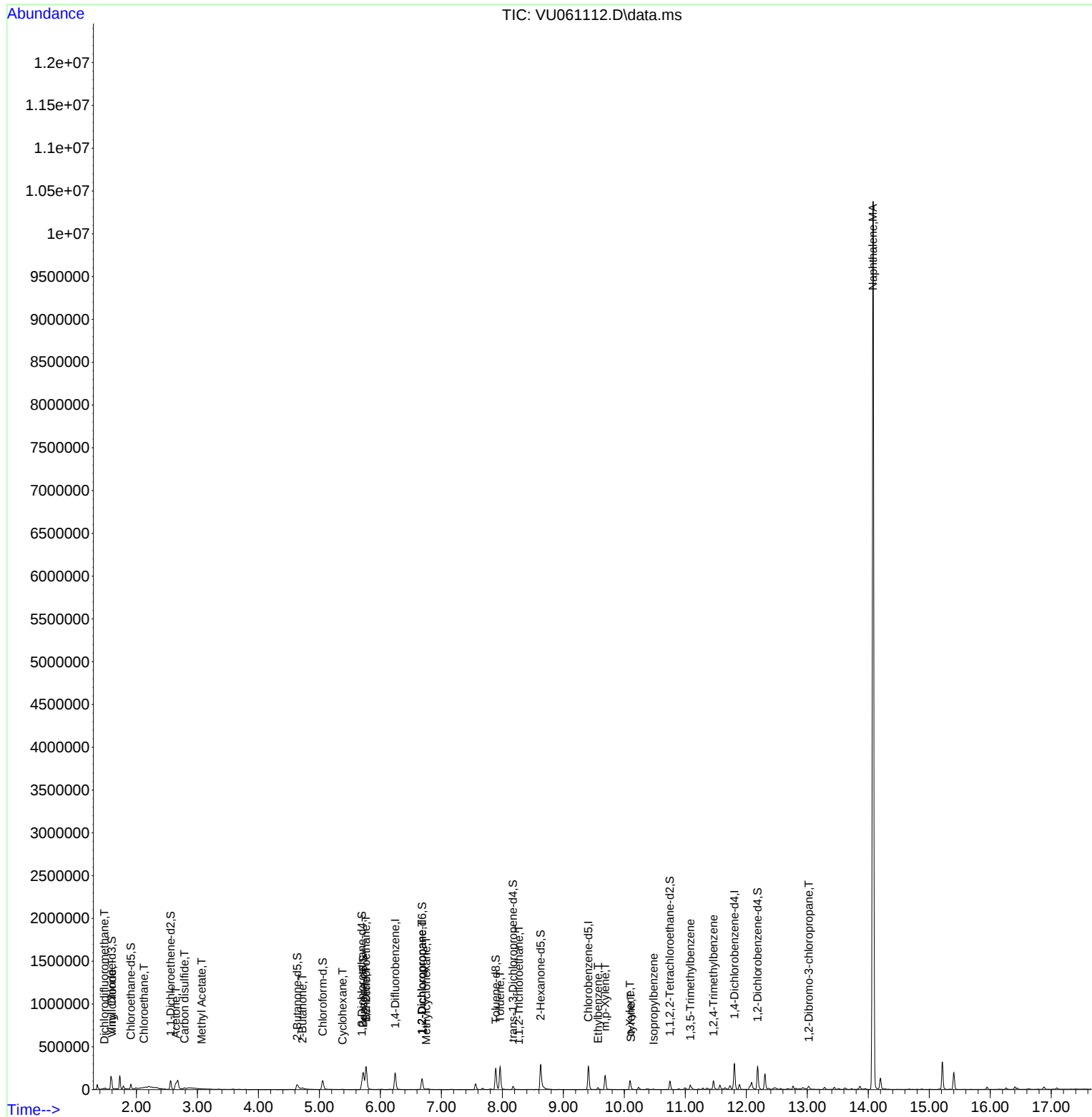
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	11.081	105	29073	0.658	ug/L	97
63) 1,2,4-Trimethylbenzene	11.460	105	54503	1.223	ug/L	96
68) 1,2-Dibromo-3-chloropr...	13.023	75	621	0.387	ug/L #	1
71) Naphthalene	14.077	128	7736938	408.616	ug/L	99

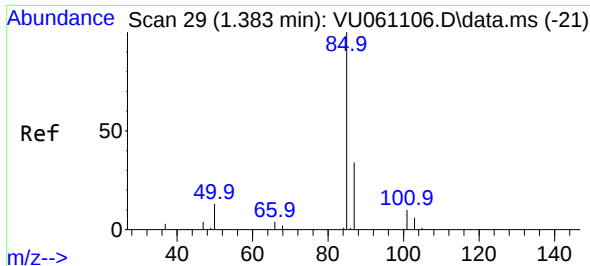
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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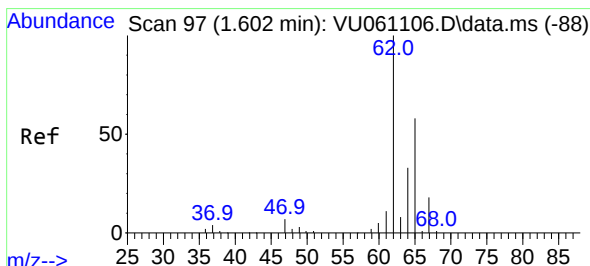
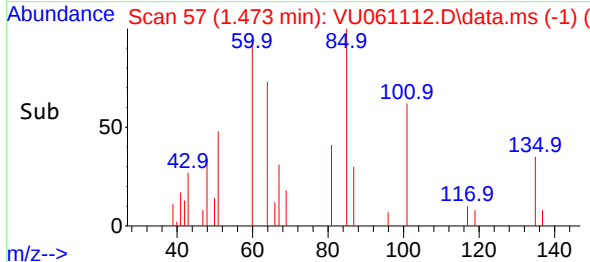
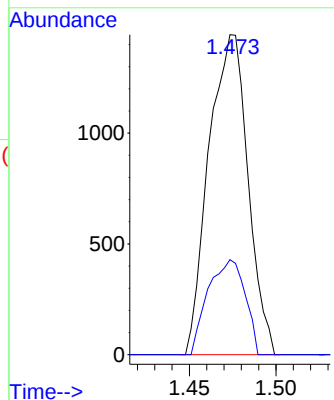
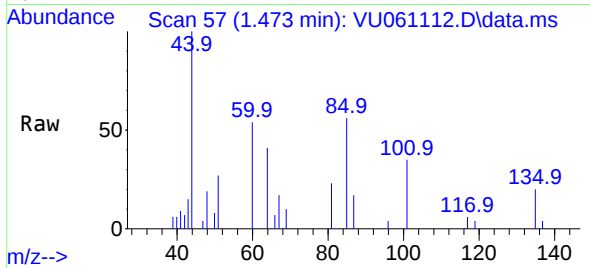




#2
Dichlorodifluoromethane
Concen: 0.286 ug/L
RT: 1.473 min Scan# 51
Delta R.T. 0.090 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

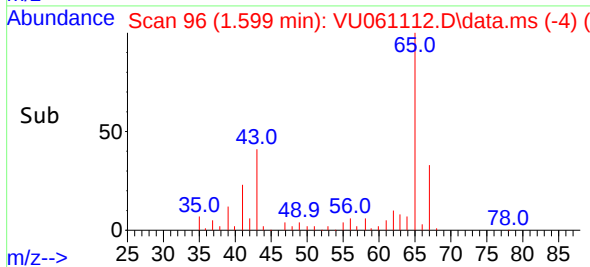
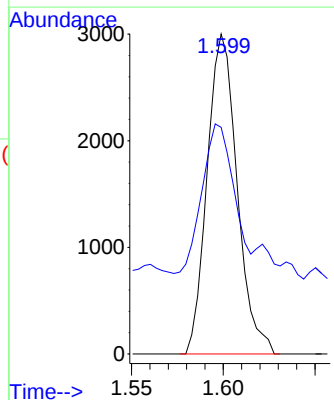
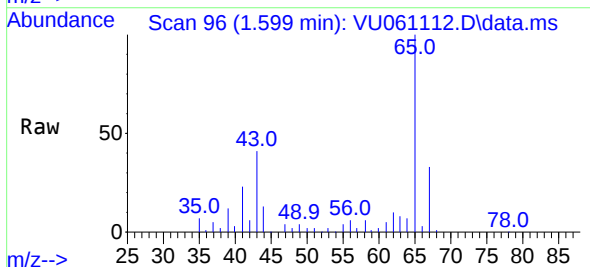
Instrument :
MSVOA_U
ClientSampleId :

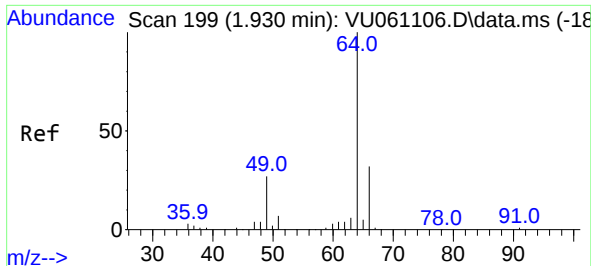
Tgt Ion: 85 Resp: 2267
Ion Ratio Lower Upper
85 100
87 28.1 26.2 39.2



#5
Vinyl chloride
Concen: 0.296 ug/L
RT: 1.599 min Scan# 96
Delta R.T. -0.003 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

Tgt Ion: 62 Resp: 3405
Ion Ratio Lower Upper
62 100
64 70.8 24.0 44.6#

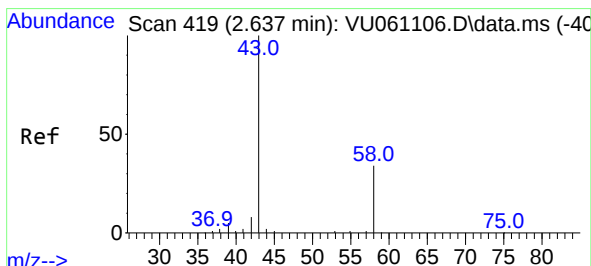
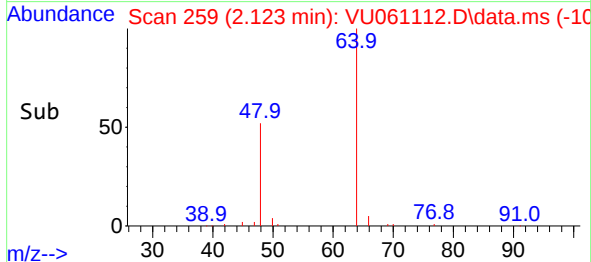
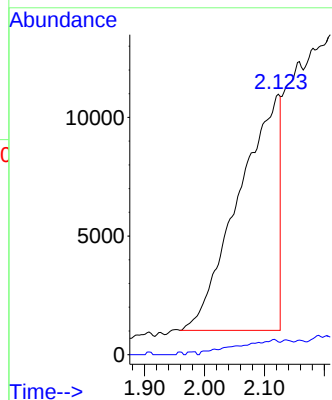
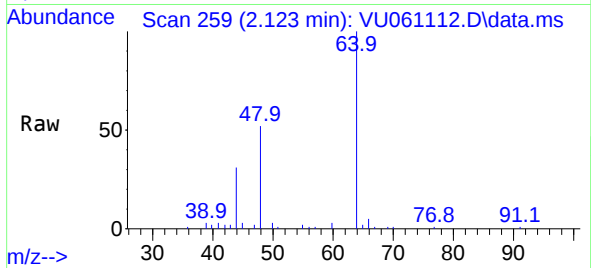




#8
Chloroethane
Concen: 6.811 ug/L
RT: 2.123 min Scan# 21
Delta R.T. 0.193 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

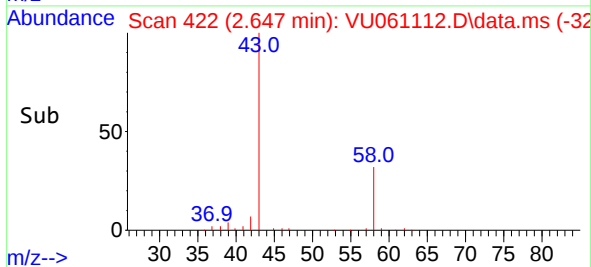
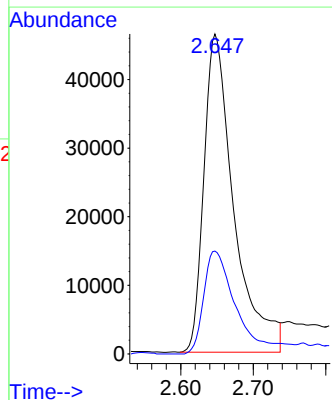
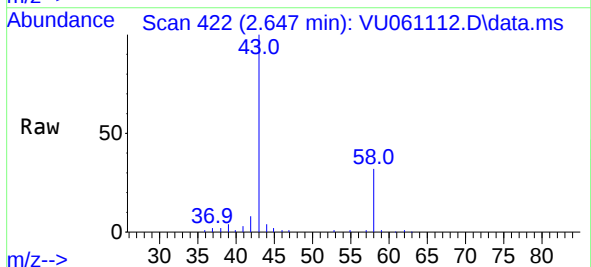
Instrument :
MSVOA_U
ClientSampleId :

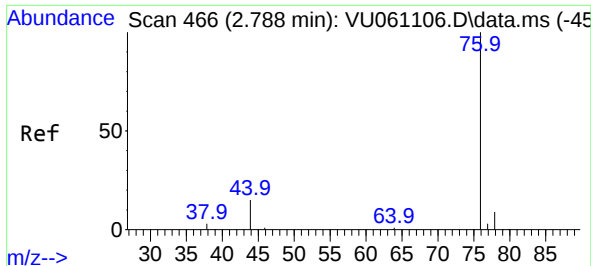
Tgt Ion: 64 Resp: 47457
Ion Ratio Lower Upper
64 100
66 4.9 22.3 41.3#



#13
Acetone
Concen: 74.491 ug/L
RT: 2.647 min Scan# 422
Delta R.T. 0.013 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

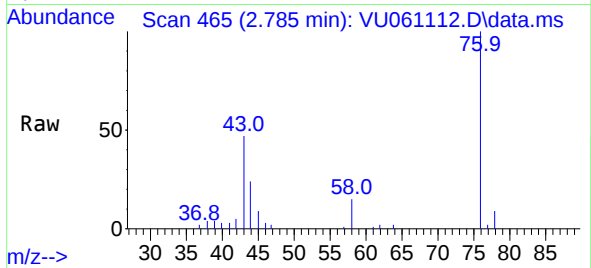
Tgt Ion: 43 Resp: 133375
Ion Ratio Lower Upper
43 100
58 35.9 0.0 69.6



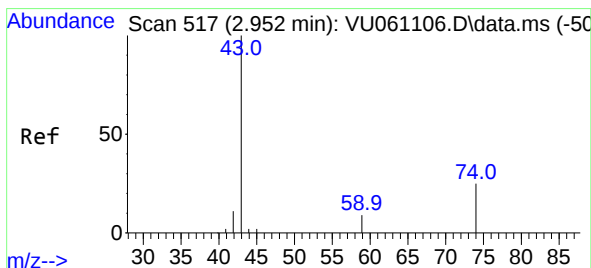
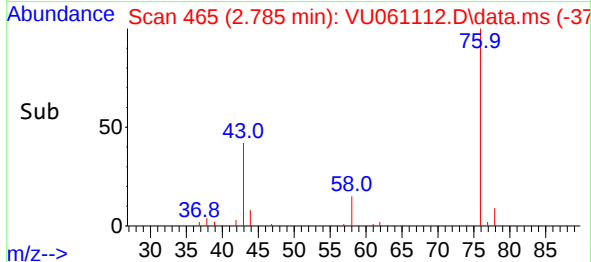
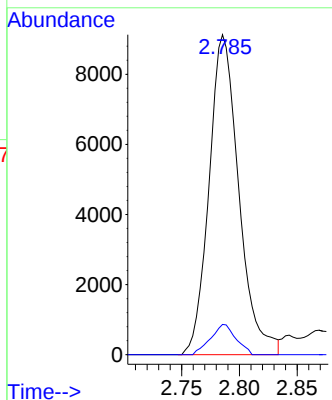


#14
Carbon disulfide
Concen: 0.514 ug/L
RT: 2.785 min Scan# 40
Delta R.T. -0.003 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

Instrument :
MSVOA_U
ClientSampleId :

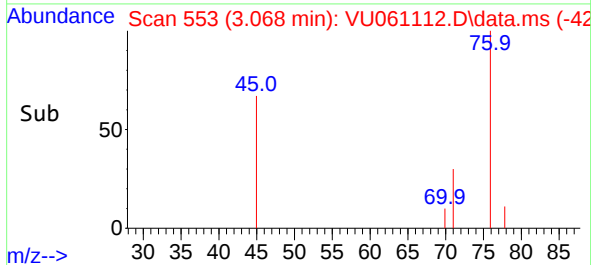
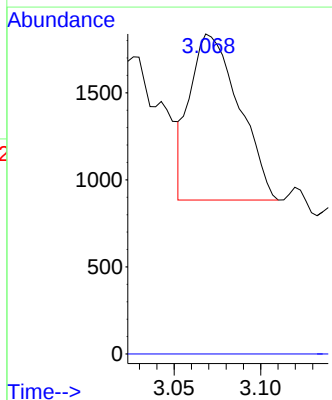
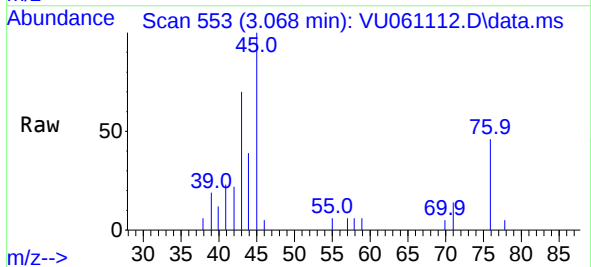


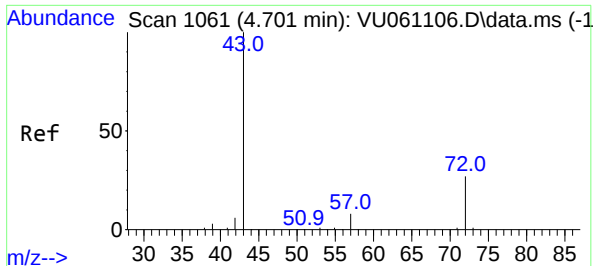
Tgt Ion: 76 Resp: 16395
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7



#15
Methyl Acetate
Concen: 0.430 ug/L
RT: 3.068 min Scan# 553
Delta R.T. 0.116 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

Tgt Ion: 43 Resp: 1876
Ion Ratio Lower Upper
43 100
74 15.1 18.9 28.3#

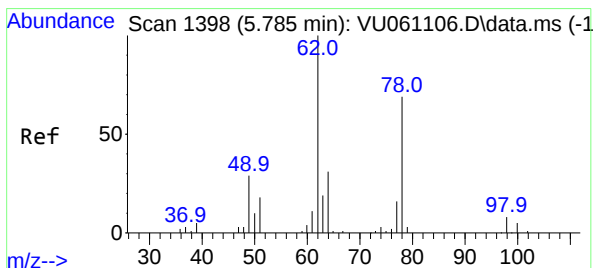
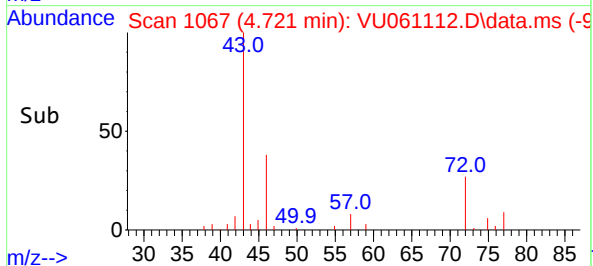
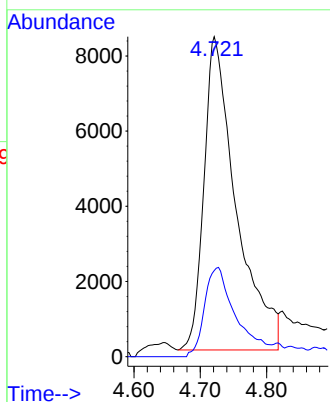
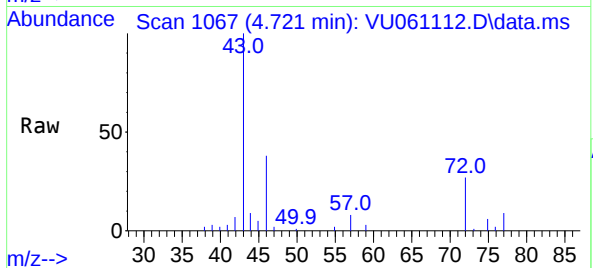




#21
2-Butanone
Concen: 9.551 ug/L
RT: 4.721 min Scan# 1067
Delta R.T. 0.019 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

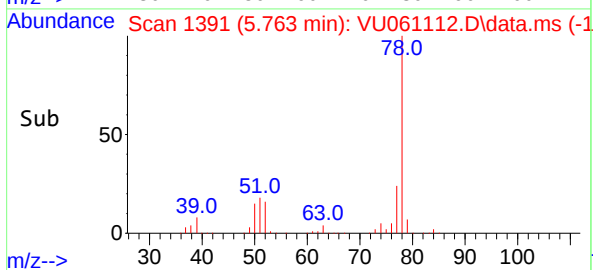
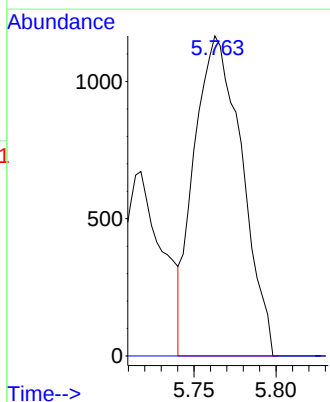
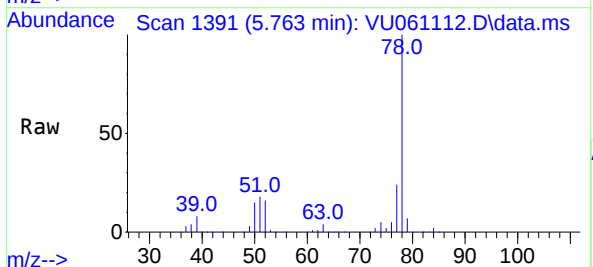
Instrument :
MSVOA_U
ClientSampleId :

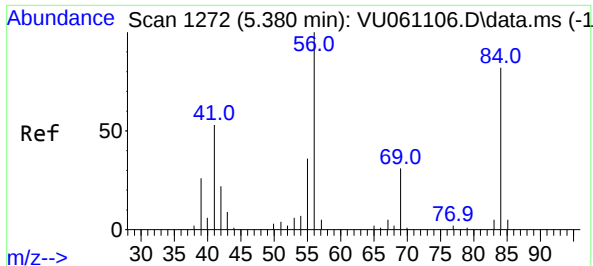
Tgt Ion: 43 Resp: 28153
Ion Ratio Lower Upper
43 100
72 27.9 14.8 44.3



#27
1,2-Dichloroethane
Concen: 0.177 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.022 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

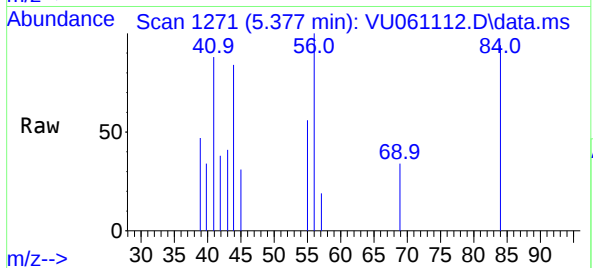
Tgt Ion: 62 Resp: 2344
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



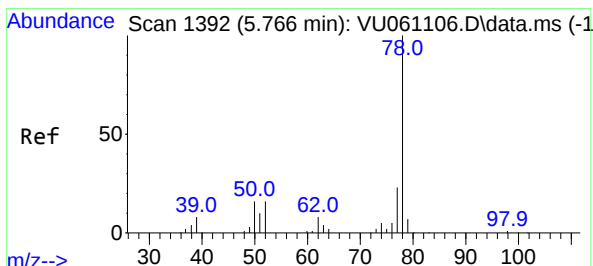
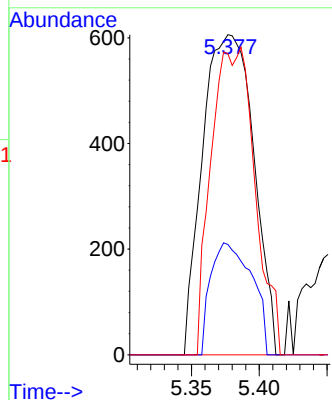
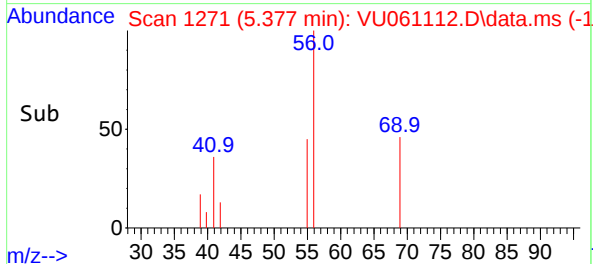


#30
Cyclohexane
Concen: 0.083 ug/L
RT: 5.377 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

Instrument :
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ClientSampleId :

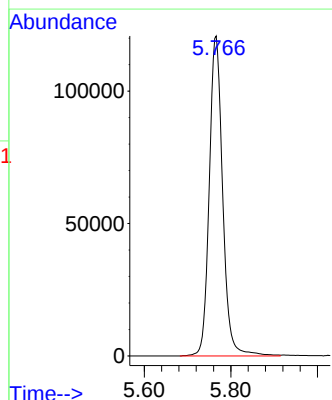
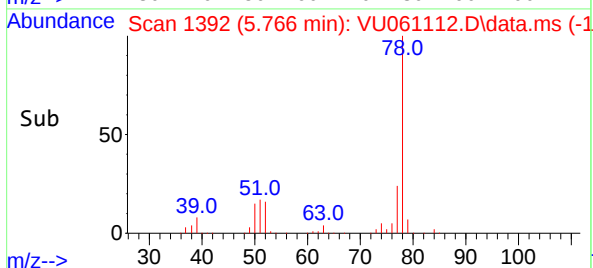
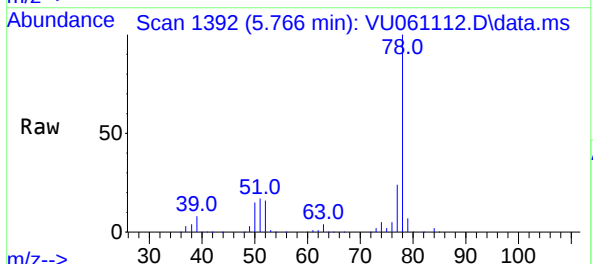


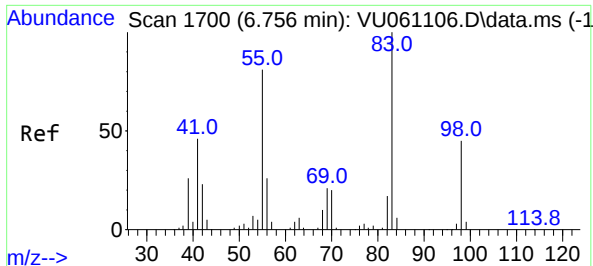
Tgt Ion: 56 Resp: 1591
Ion Ratio Lower Upper
56 100
69 28.0 25.4 38.0
84 42.3 71.0 106.6#



#33
Benzene
Concen: 5.907 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

Tgt Ion: 78 Resp: 260098

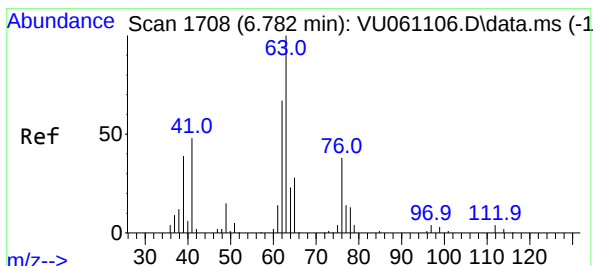
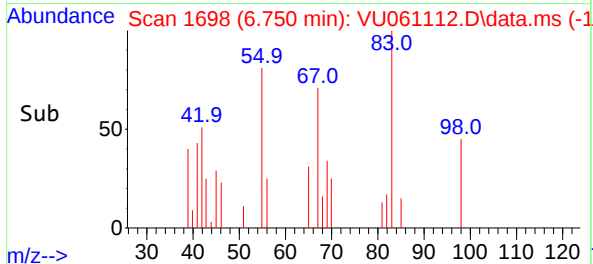
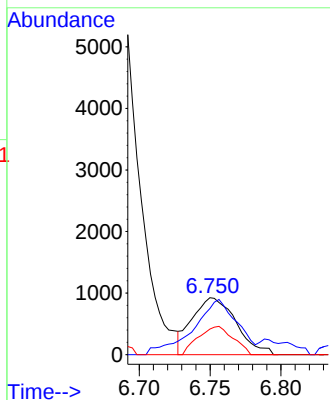
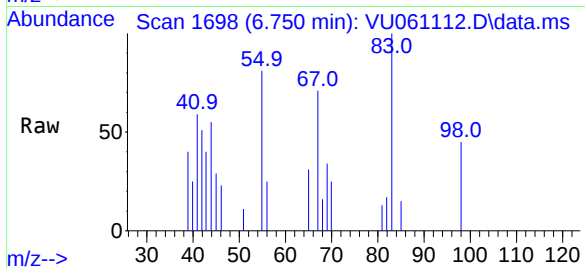




#35
Methylcyclohexane
Concen: 0.104 ug/L
RT: 6.750 min Scan# 1
Delta R.T. -0.006 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

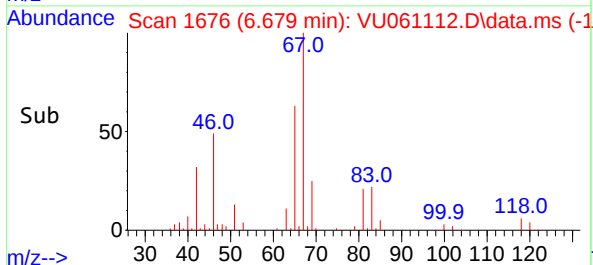
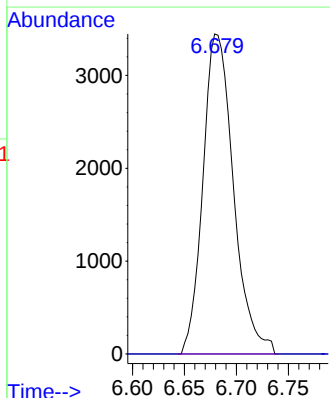
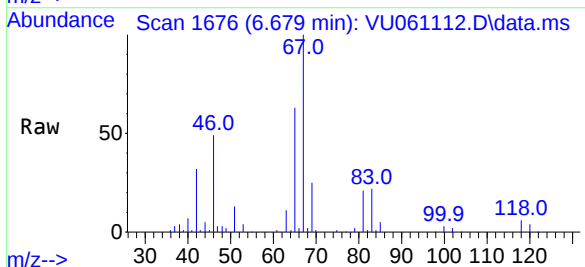
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ClientSampleId :

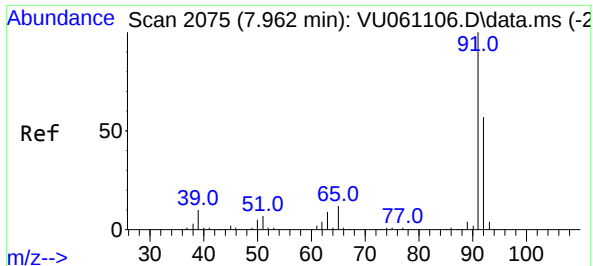
Tgt Ion: 83 Resp: 1999
Ion Ratio Lower Upper
83 100
55 96.7 62.6 94.0#
98 39.2 37.6 56.4



#37
1,2-Dichloropropane
Concen: 0.608 ug/L
RT: 6.679 min Scan# 1676
Delta R.T. -0.103 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

Tgt Ion: 63 Resp: 7050
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#





#42

Toluene

Concen: 4.208 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU061112.D

Acq: 11 Oct 2024 12:35

Instrument :

MSVOA_U

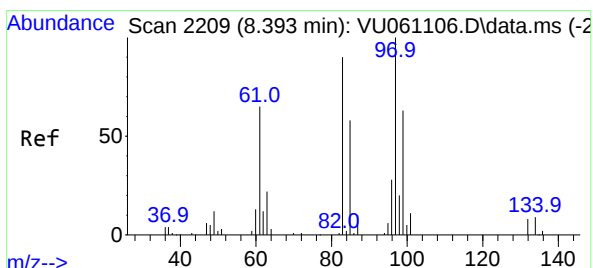
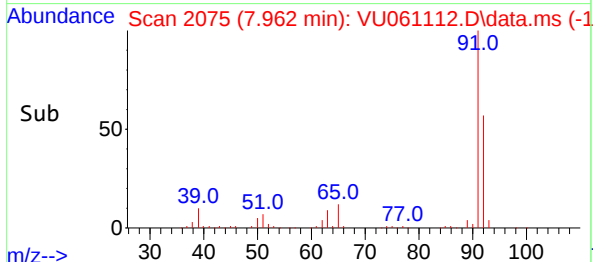
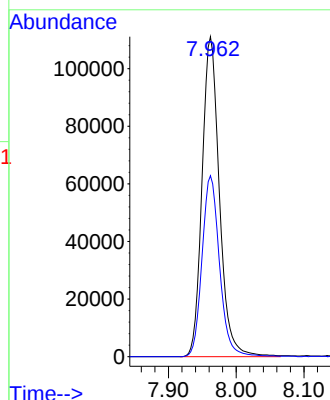
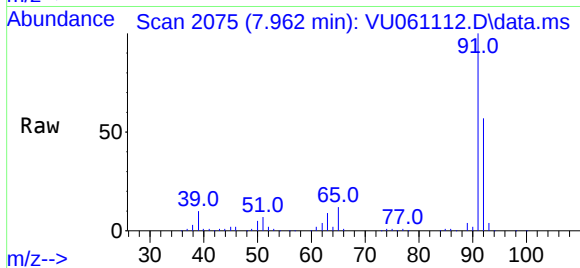
ClientSampleId :

Tgt Ion: 91 Resp: 197411

Ion Ratio Lower Upper

91 100

92 56.5 40.5 75.3



#45

1,1,2-Trichloroethane

Concen: 0.162 ug/L

RT: 8.271 min Scan# 2171

Delta R.T. -0.122 min

Lab File: VU061112.D

Acq: 11 Oct 2024 12:35

Tgt Ion: 97 Resp: 1249

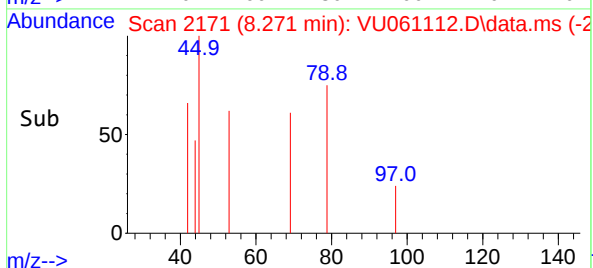
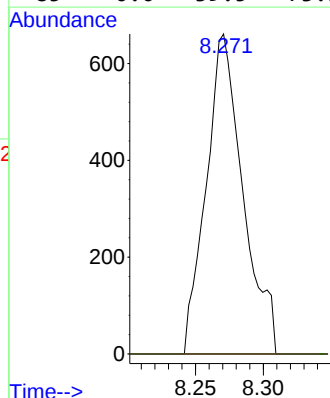
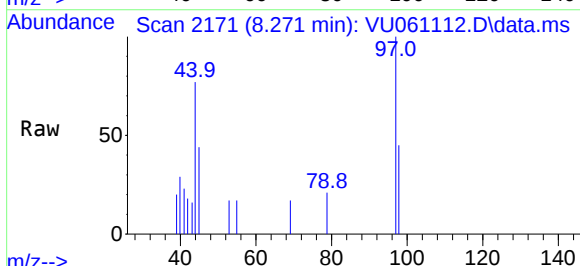
Ion Ratio Lower Upper

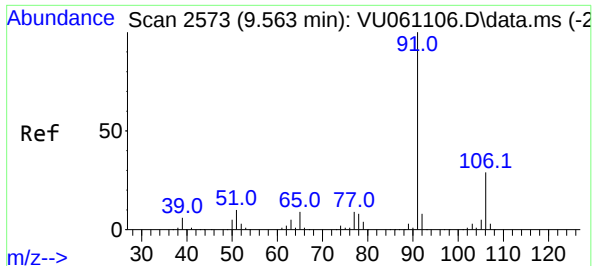
97 100

99 0.0 42.3 78.5#

83 0.0 61.7 114.5#

85 0.0 39.5 73.3#

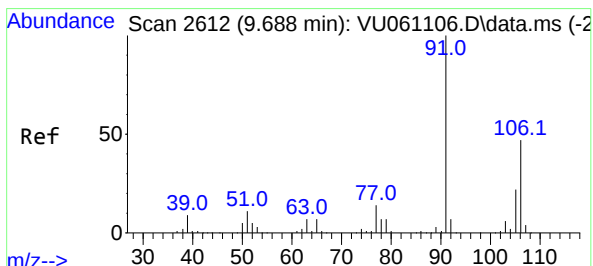
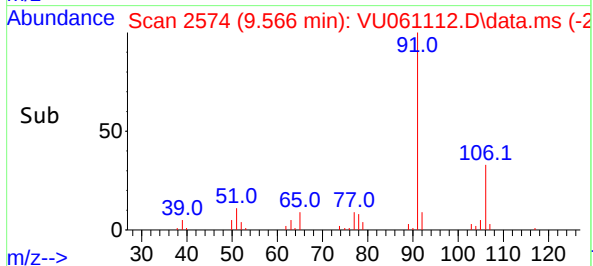
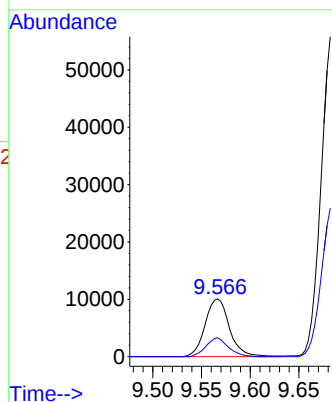
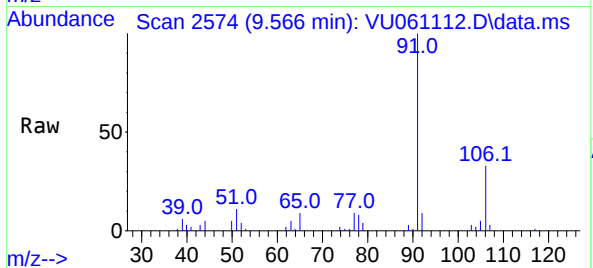




#52
Ethylbenzene
Concen: 0.330 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

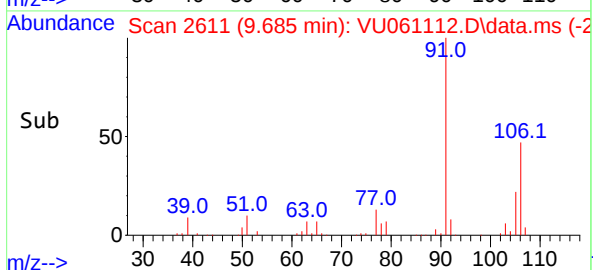
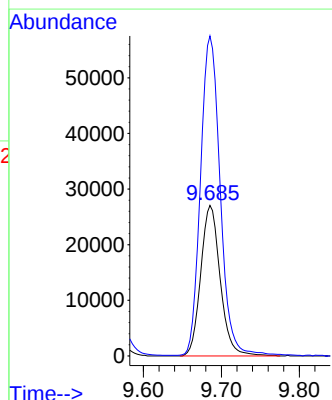
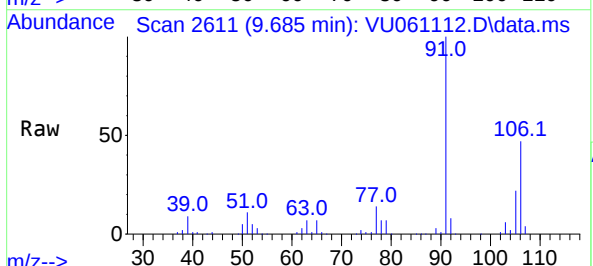
Instrument :
MSVOA_U
ClientSampleId :

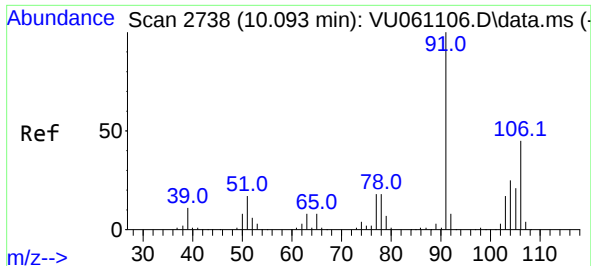
Tgt Ion: 91 Resp: 17536
Ion Ratio Lower Upper
91 100
106 32.8 21.8 40.6



#53
m,p-Xylene
Concen: 2.422 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

Tgt Ion:106 Resp: 46971
Ion Ratio Lower Upper
106 100
91 212.4 139.7 259.4

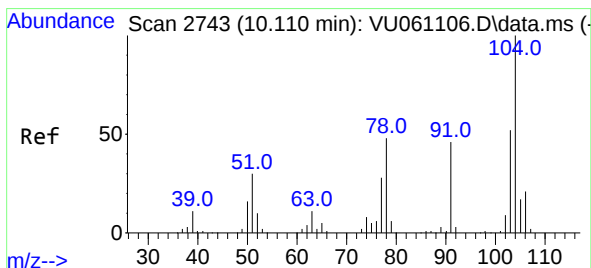
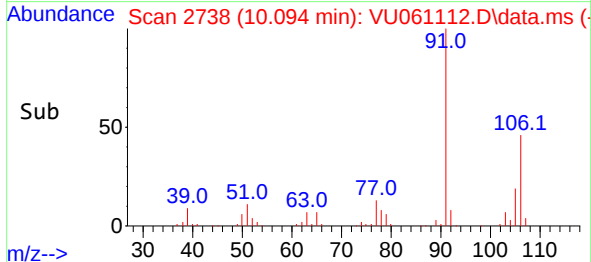
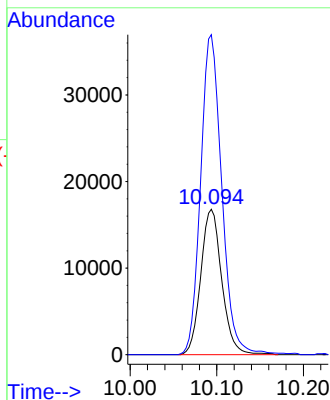
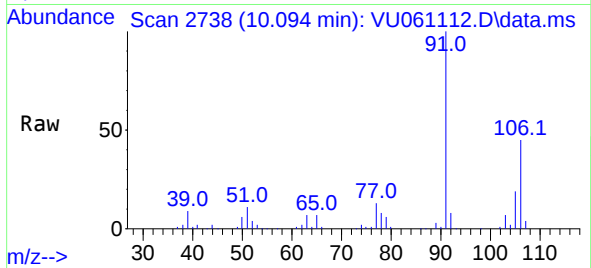




#54
o-Xylene
Concen: 1.484 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

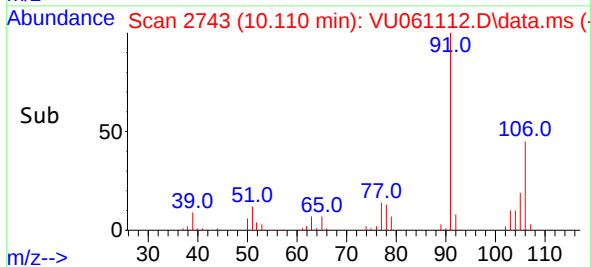
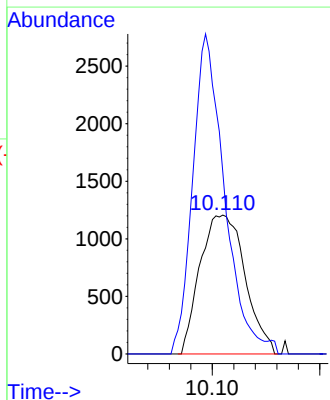
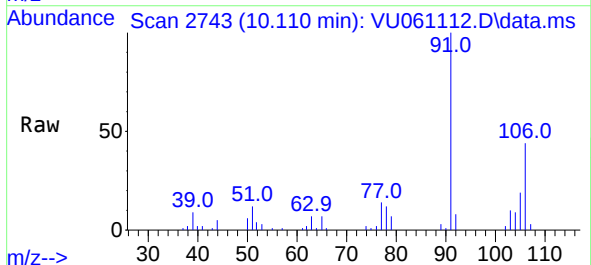
Instrument :
MSVOA_U
ClientSampleId :

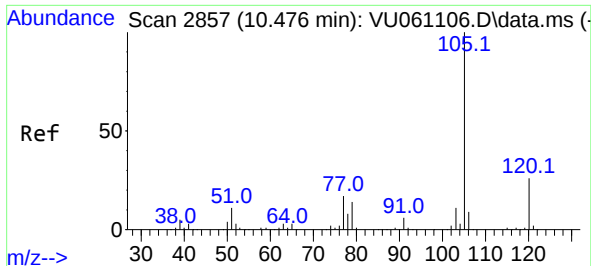
Tgt Ion:106 Resp: 28318
Ion Ratio Lower Upper
106 100
91 220.0 148.6 276.0



#55
Styrene
Concen: 0.114 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

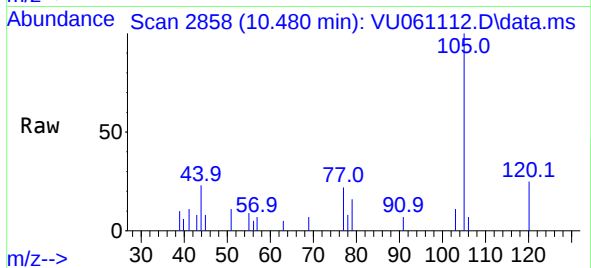
Tgt Ion:104 Resp: 3507
Ion Ratio Lower Upper
104 100
78 130.6 31.7 58.9#



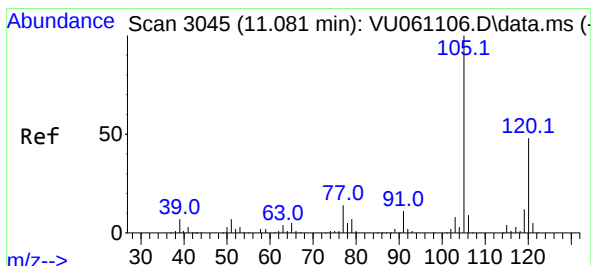
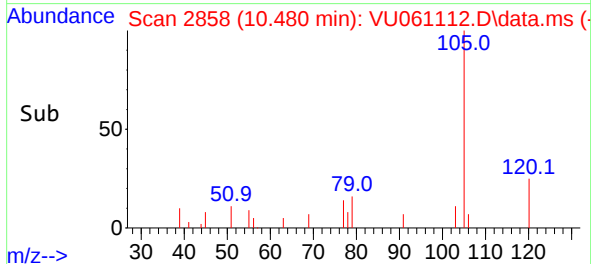
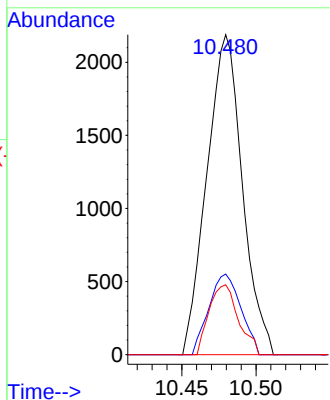


#60
Isopropylbenzene
Concen: 0.073 ug/L
RT: 10.480 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

Instrument :
MSVOA_U
ClientSampleId :

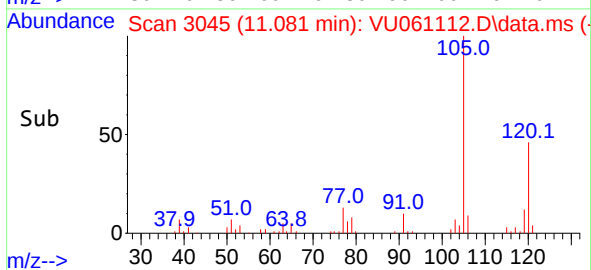
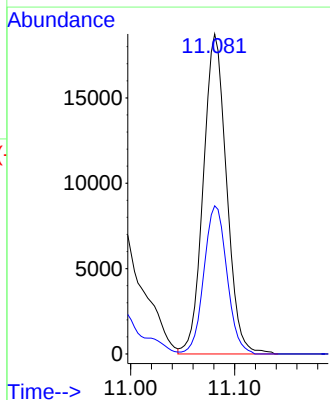
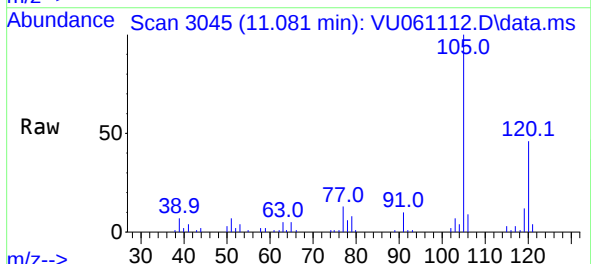


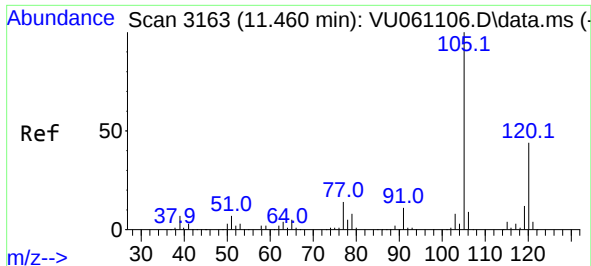
Tgt Ion:105 Resp: 3635
Ion Ratio Lower Upper
105 100
120 22.8 21.5 32.3
77 18.1 12.6 18.8



#62
1,3,5-Trimethylbenzene
Concen: 0.658 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

Tgt Ion:105 Resp: 29073
Ion Ratio Lower Upper
105 100
120 45.9 38.5 57.7

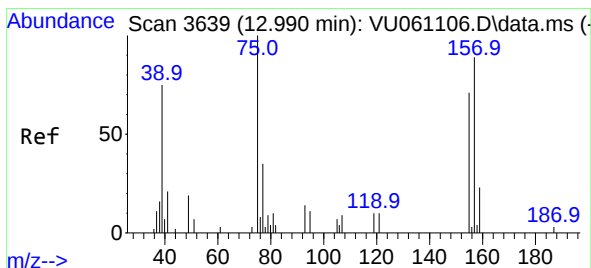
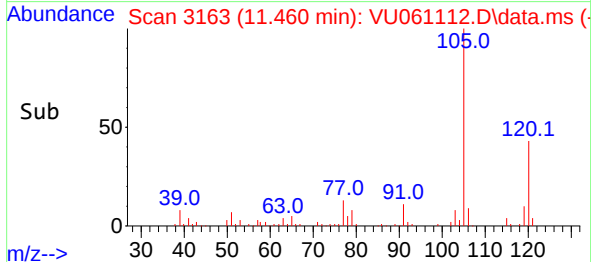
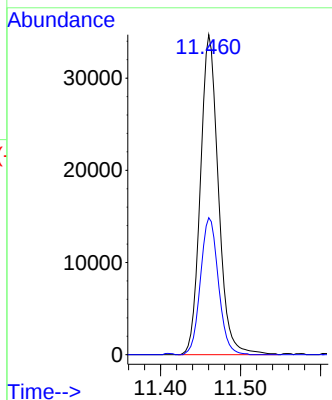
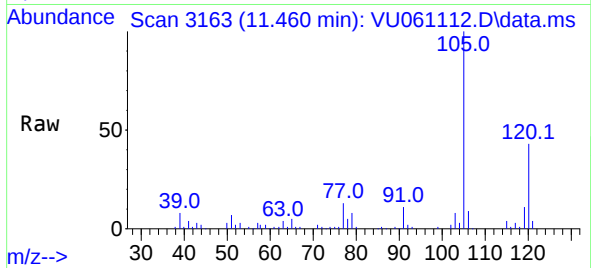




#63
1,2,4-Trimethylbenzene
Concen: 1.223 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

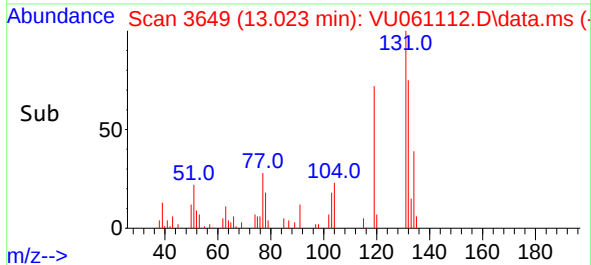
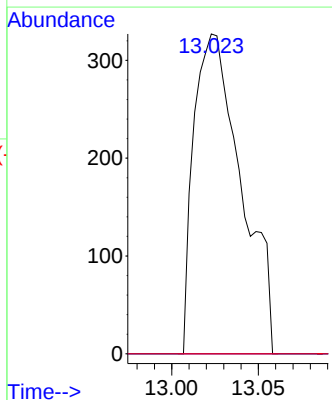
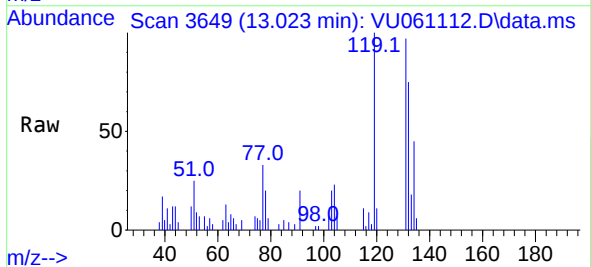
Instrument :
MSVOA_U
ClientSampleId :

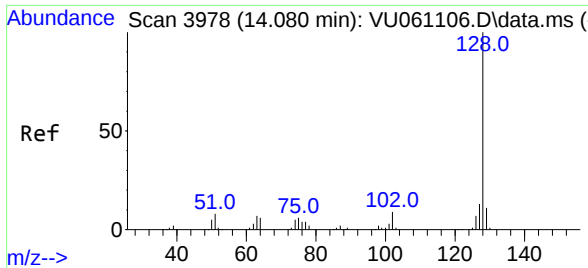
Tgt Ion:105 Resp: 54503
Ion Ratio Lower Upper
105 100
120 42.4 36.1 54.1



#68
1,2-Dibromo-3-chloropropane
Concen: 0.387 ug/L
RT: 13.023 min Scan# 3649
Delta R.T. 0.032 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

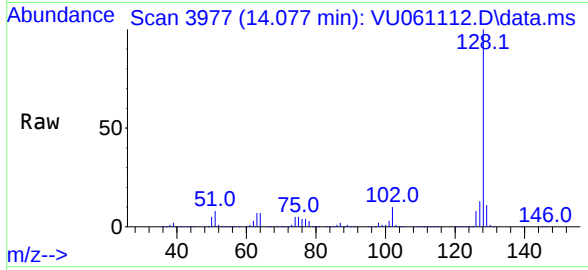
Tgt Ion: 75 Resp: 621
Ion Ratio Lower Upper
75 100
155 0.0 73.1 109.7#
157 0.0 91.0 136.4#





#71
Naphthalene
Concen: 408.616 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.006 min
Lab File: VU061112.D
Acq: 11 Oct 2024 12:35

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 7736938
Ion Ratio Lower Upper
128 100
129 11.0 8.3 12.5
127 13.1 10.7 16.1

