

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101024\
 Data File : VU061092.D
 Acq On : 10 Oct 2024 16:21
 Operator : MD/SY
 Sample : P4380-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 06:49:42 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	6.271	114	173008	5.000	ug/L	0.03
28) Chlorobenzene-d5	9.415	117	159188	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	79046	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.605	65	39840	3.221	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.400%
7) Chloroethane-d5	1.930	69	33326	3.599	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.000%
11) 1,1-Dichloroethene-d2	2.573	65	17918	3.284	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.600%
20) 2-Butanone-d5	4.734	46	103031	34.774	ug/L	0.11
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.540%
24) Chloroform-d	5.091	84	82131	3.767	ug/L	0.04
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.400%
26) 1,2-Dichloroethane-d4	5.737	65	44166	3.822	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
32) Benzene-d6	5.753	84	162687	3.876	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.600%
36) 1,2-Dichloropropane-d6	6.708	67	56034	4.065	ug/L	0.03
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.200%
41) Toluene-d8	7.904	98	149251	3.804	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.000%
43) trans-1,3-Dichloroprop...	8.187	79	21389	3.629	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.600%
46) 2-Hexanone-d5	8.643	63	96937	39.736	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.480%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	39898	3.947	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	53589	4.240	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.800%
Target Compounds						
					Qvalue	
8) Chloroethane	1.882	64	79078	10.664	ug/L #	52
14) Carbon disulfide	2.792	76	4885	0.144	ug/L #	65
19) 1,1-Dichloroethane	3.869	63	8668	0.407	ug/L #	94
22) cis-1,2-Dichloroethene	4.679	96	15072	1.236	ug/L	95
27) 1,2-Dichloroethane	5.798	62	4980	0.354	ug/L #	72
30) Cyclohexane	5.409	56	2423	0.118	ug/L #	79
33) Benzene	5.798	78	548959	11.698	ug/L	100
34) Trichloroethene	6.560	95	38821	3.052	ug/L	96
35) Methylcyclohexane	6.775	83	3333	0.162	ug/L #	82
37) 1,2-Dichloropropane	6.708	63	6099	0.493	ug/L #	93
42) Toluene	7.975	91	183305	3.667	ug/L	100
47) Tetrachloroethene	8.553	164	116496	14.071	ug/L	96
49) Dibromochloromethane	8.553	129	119744	12.557	ug/L #	9
52) Ethylbenzene	9.569	91	37035	0.654	ug/L	96
53) m,p-Xylene	9.688	106	59974	2.902	ug/L	90
54) o-Xylene	10.097	106	38399	1.889	ug/L	90
55) Styrene	10.116	104	13200	0.402	ug/L	85
60) Isopropylbenzene	10.994	105	61654	1.166	ug/L	94
62) 1,3,5-Trimethylbenzene	11.081	105	91374	1.961	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 11 06:46:55 2024
Response via : Initial Calibration

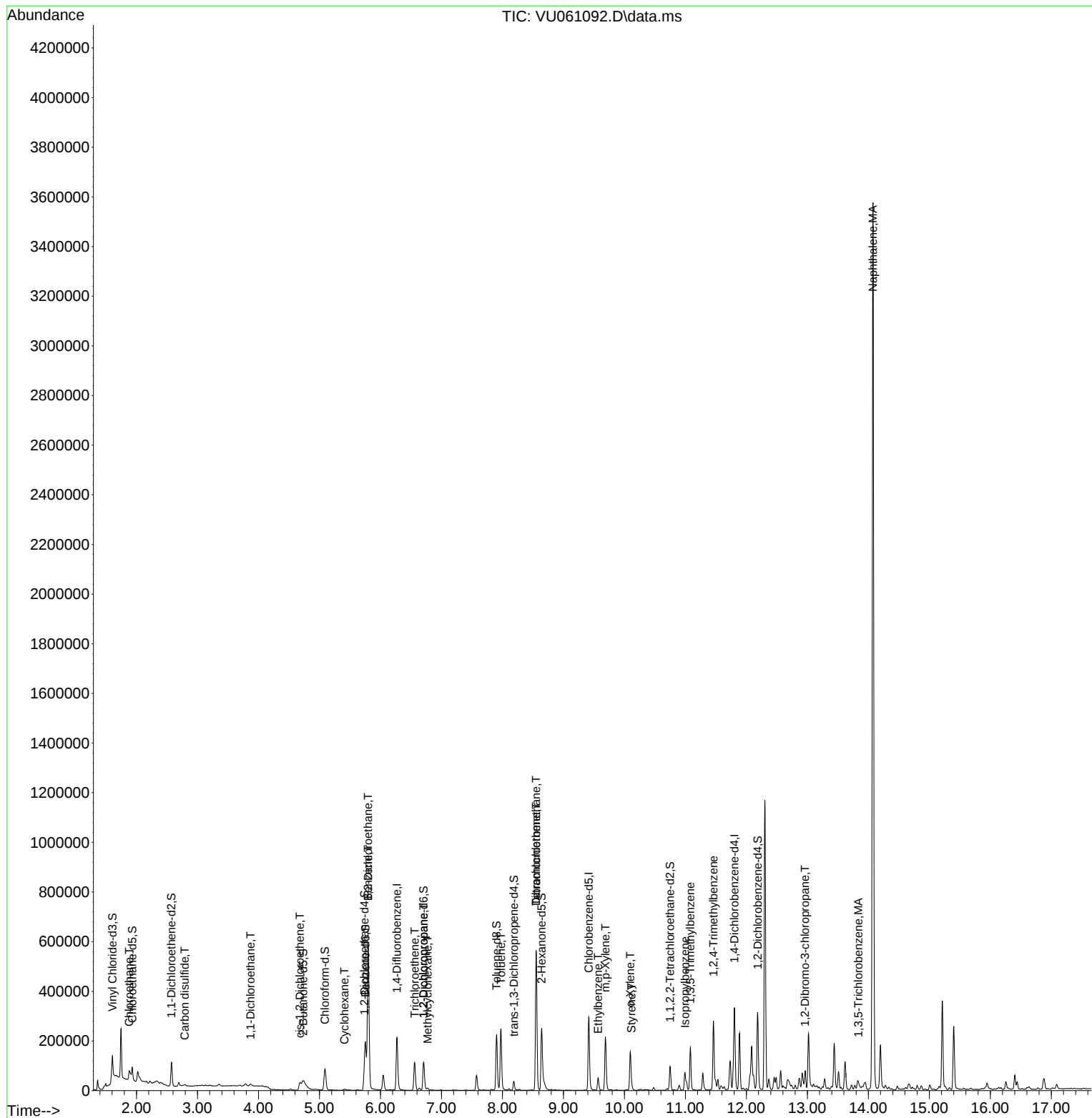
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.460	105	151988	3.232	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.962	75	346	0.204	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.836	180	2083	0.131	ug/L #	74
71) Naphthalene	14.077	128	2685165	134.433	ug/L	99

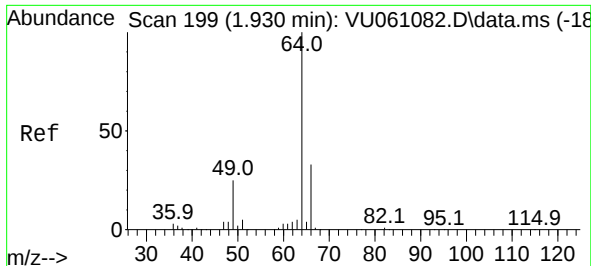
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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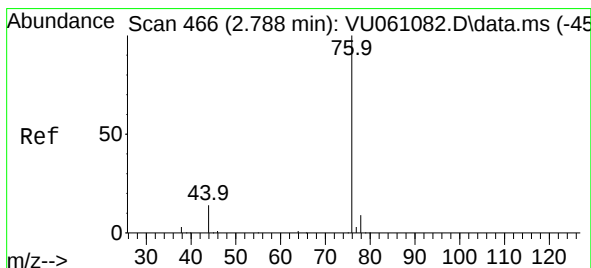
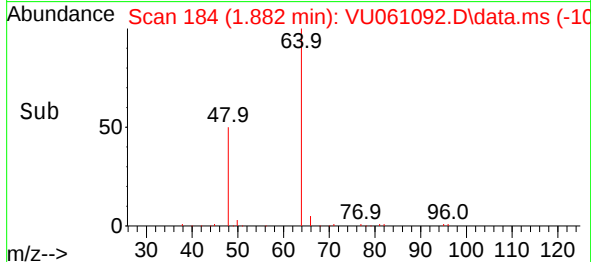
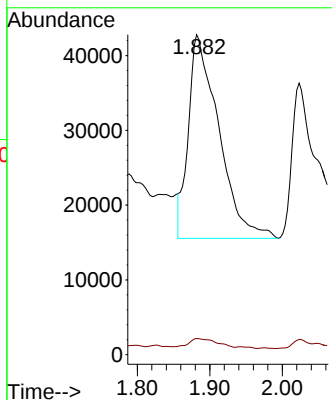
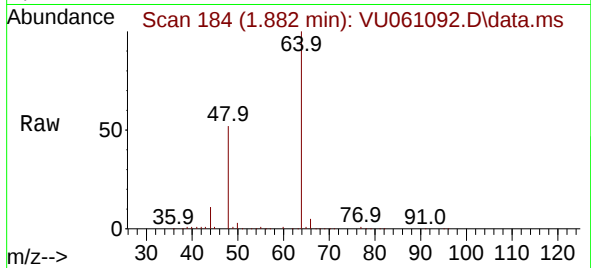




#8
Chloroethane
Concen: 10.664 ug/L
RT: 1.882 min Scan# 11
Delta R.T. -0.048 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

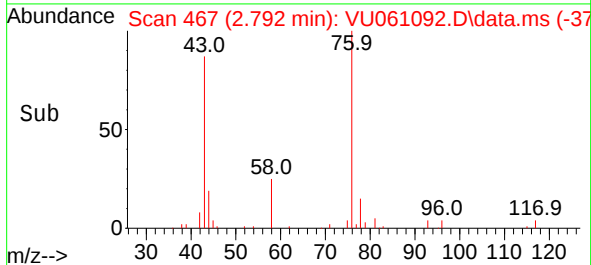
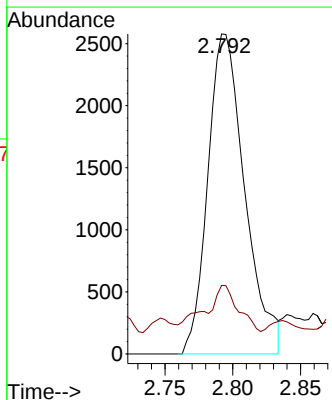
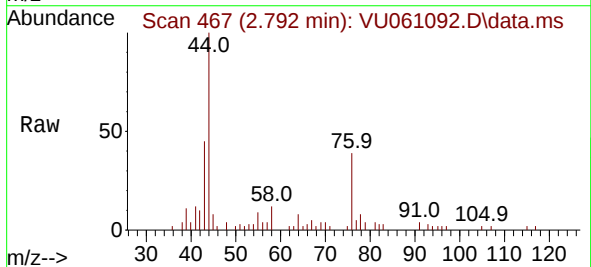
Instrument :
MSVOA_U
ClientSampleId :

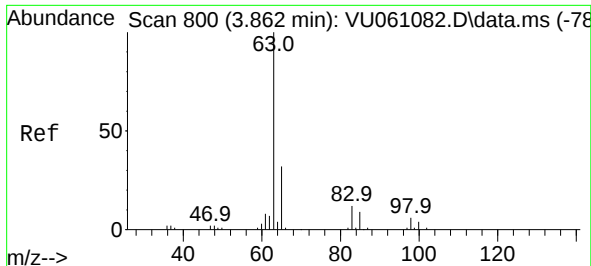
Tgt Ion: 64 Resp: 79078
Ion Ratio Lower Upper
64 100
66 5.1 22.3 41.3#



#14
Carbon disulfide
Concen: 0.144 ug/L
RT: 2.792 min Scan# 467
Delta R.T. 0.003 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

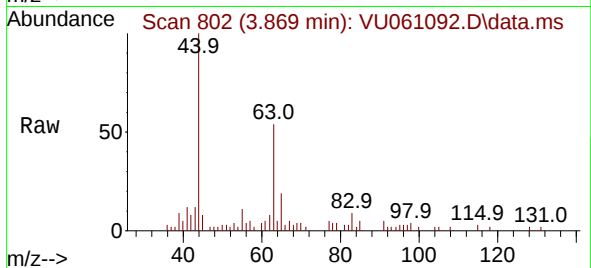
Tgt Ion: 76 Resp: 4885
Ion Ratio Lower Upper
76 100
78 21.4 7.1 10.7#



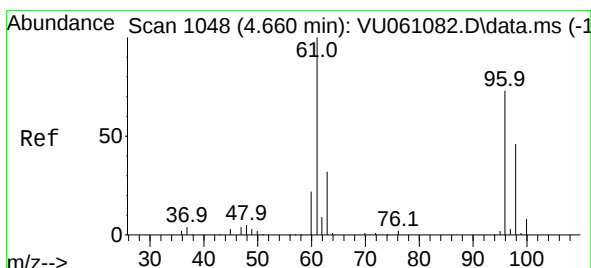
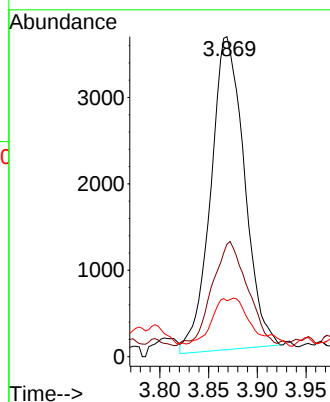
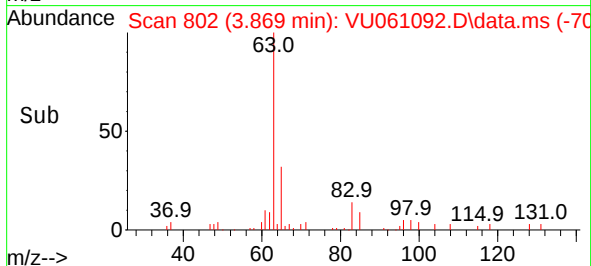


#19
1,1-Dichloroethane
Concen: 0.407 ug/L
RT: 3.869 min Scan# 800
Delta R.T. 0.007 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

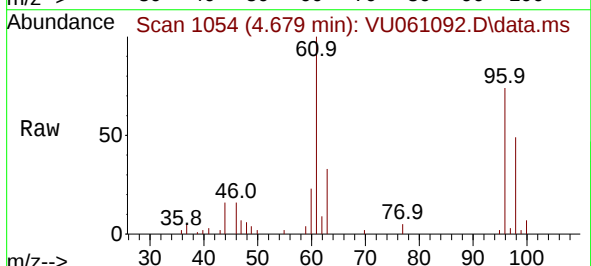
Instrument :
MSVOA_U
ClientSampleId :



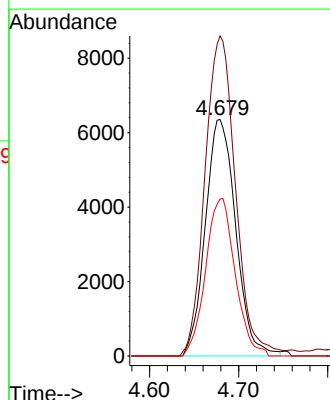
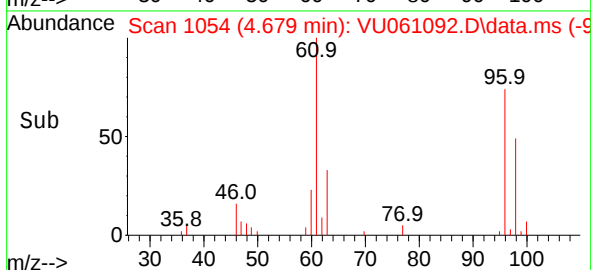
Tgt Ion: 63 Resp: 8668
Ion Ratio Lower Upper
63 100
65 35.1 23.0 42.8
83 17.5 9.0 16.6#

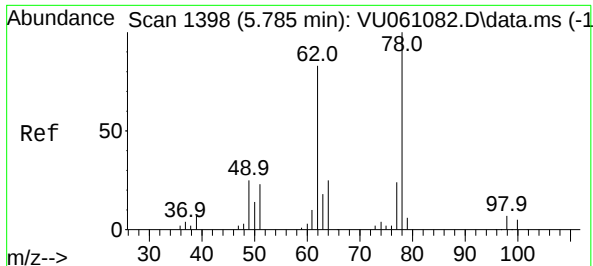


#22
cis-1,2-Dichloroethene
Concen: 1.236 ug/L
RT: 4.679 min Scan# 1054
Delta R.T. 0.019 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21



Tgt Ion: 96 Resp: 15072
Ion Ratio Lower Upper
96 100
61 135.3 89.7 166.5
98 66.3 45.1 83.9

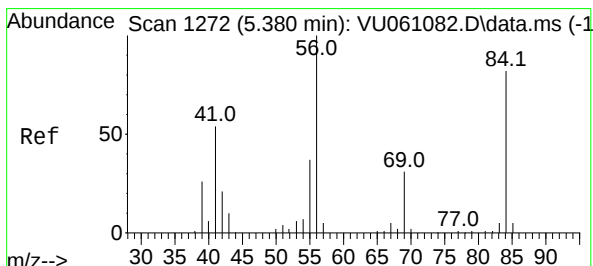
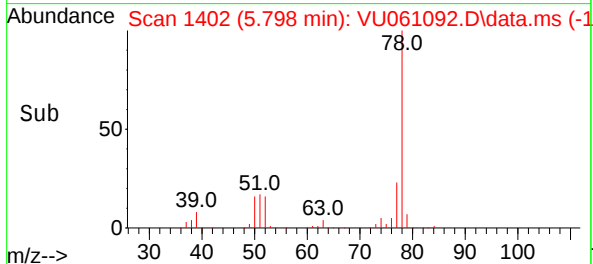
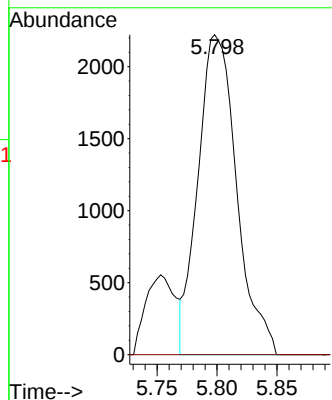
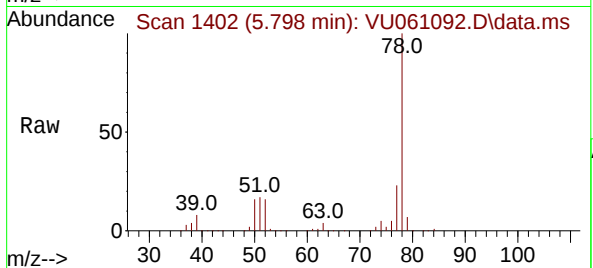




#27
1,2-Dichloroethane
Concen: 0.354 ug/L
RT: 5.798 min Scan# 1402
Delta R.T. 0.013 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

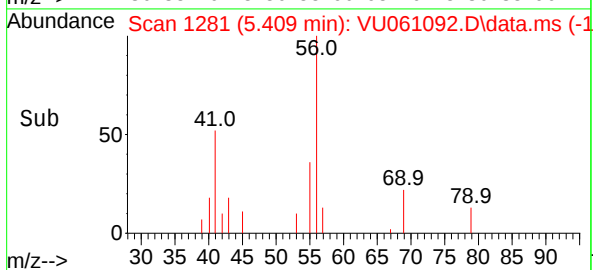
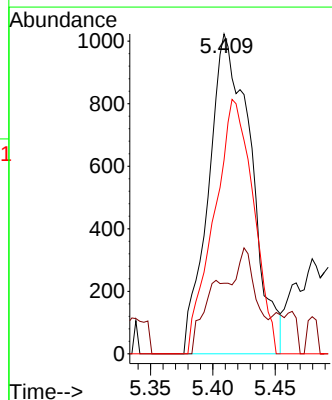
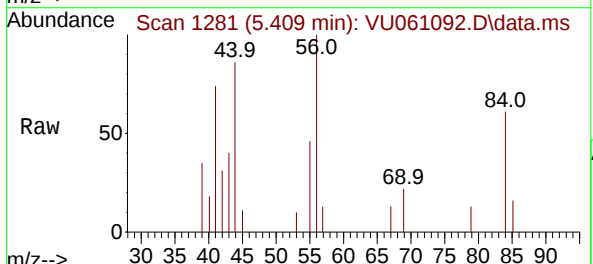
Instrument :
MSVOA_U
ClientSampleId :

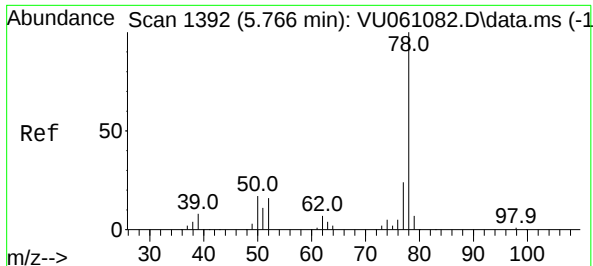
Tgt Ion: 62 Resp: 4980
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#30
Cyclohexane
Concen: 0.118 ug/L
RT: 5.409 min Scan# 1281
Delta R.T. 0.029 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

Tgt Ion: 56 Resp: 2423
Ion Ratio Lower Upper
56 100
69 11.5 25.4 38.0#
84 73.8 71.0 106.6

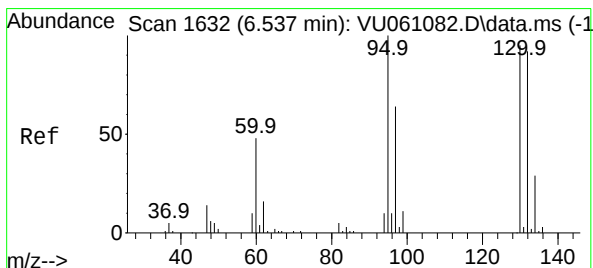
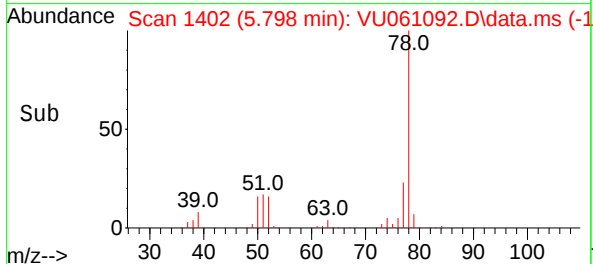
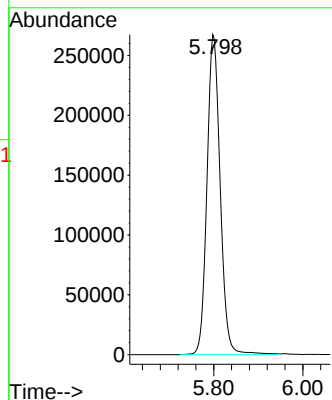
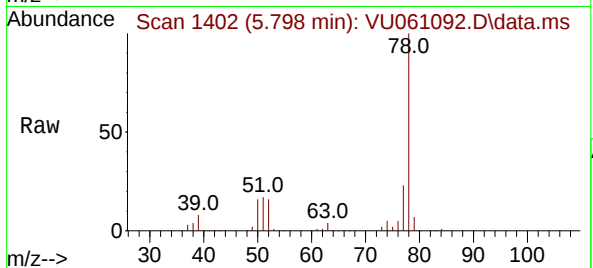




#33
Benzene
Concen: 11.698 ug/L
RT: 5.798 min Scan# 14
Delta R.T. 0.032 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

Instrument :
MSVOA_U
ClientSampleId :

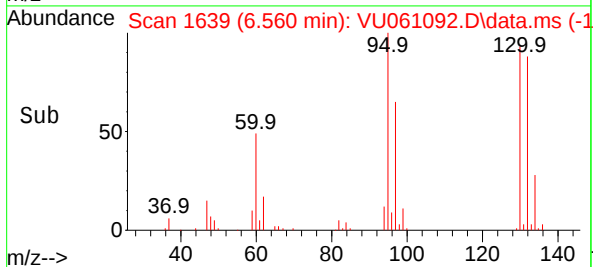
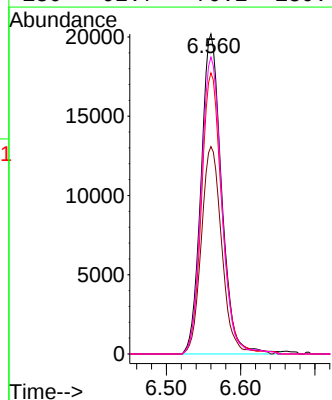
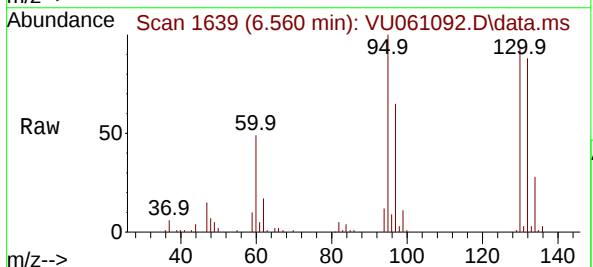
Tgt Ion: 78 Resp: 548959

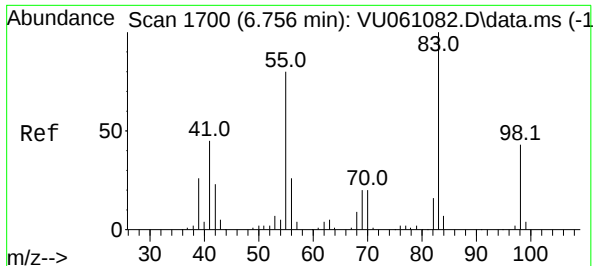


#34
Trichloroethene
Concen: 3.052 ug/L
RT: 6.560 min Scan# 1639
Delta R.T. 0.023 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

Tgt Ion: 95 Resp: 38821

Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.9	83.5
132	87.9	63.5	117.9
130	92.7	70.2	130.4

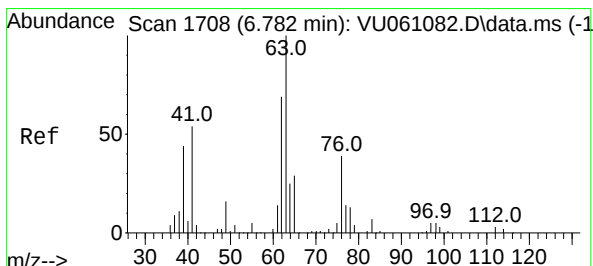
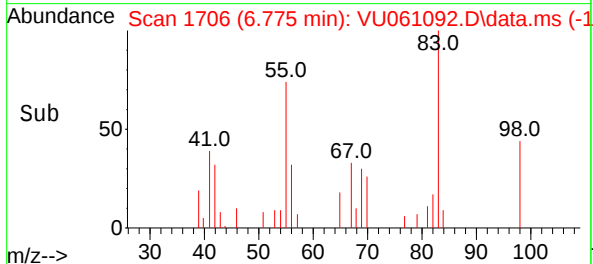
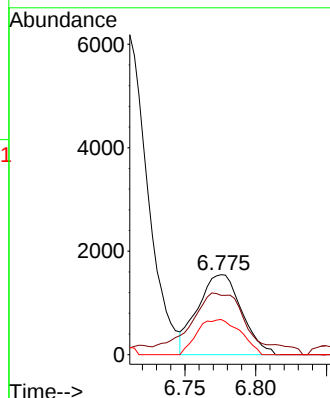
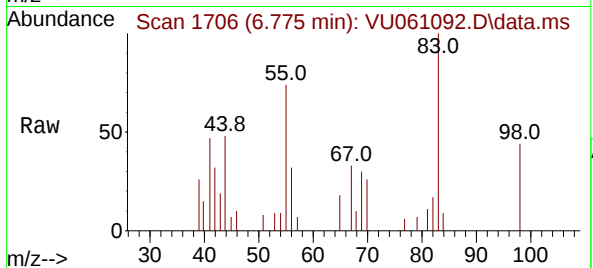




#35
Methylcyclohexane
Concen: 0.162 ug/L
RT: 6.775 min Scan# 11
Delta R.T. 0.019 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

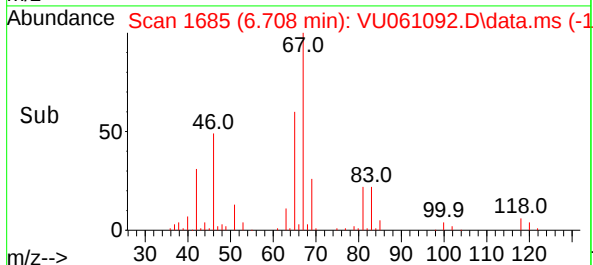
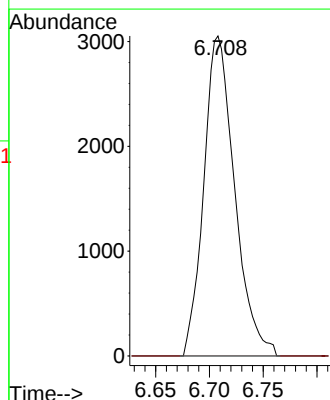
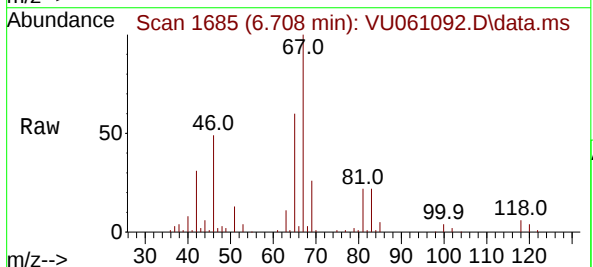
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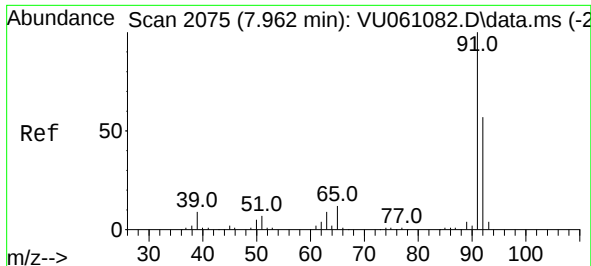
Tgt Ion: 83 Resp: 3333
Ion Ratio Lower Upper
83 100
55 100.3 62.6 94.0#
98 43.3 37.6 56.4



#37
1,2-Dichloropropane
Concen: 0.493 ug/L
RT: 6.708 min Scan# 1685
Delta R.T. -0.074 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

Tgt Ion: 63 Resp: 6099
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#





#42

Toluene

Concen: 3.667 ug/L

RT: 7.975 min Scan# 2075

Delta R.T. 0.013 min

Lab File: VU061092.D

Acq: 10 Oct 2024 16:21

Instrument :

MSVOA_U

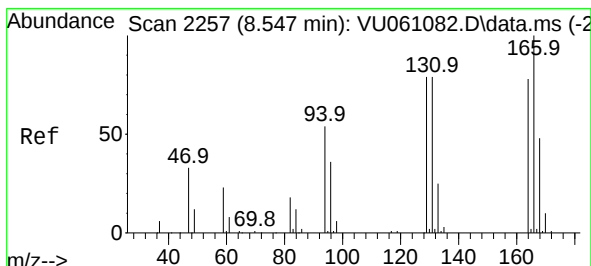
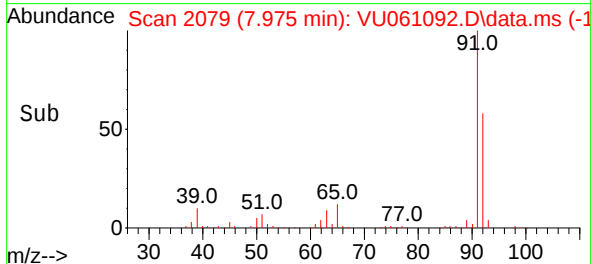
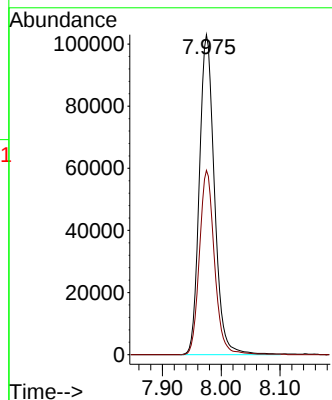
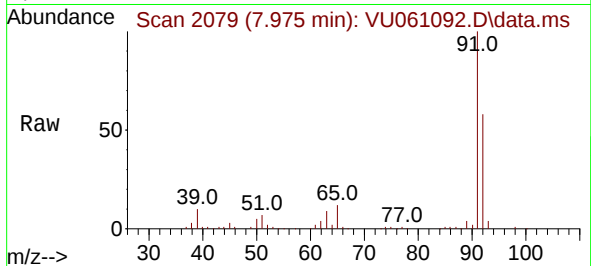
ClientSampleId :

Tgt Ion: 91 Resp: 183305

Ion Ratio Lower Upper

91 100

92 57.6 40.5 75.3



#47

Tetrachloroethene

Concen: 14.071 ug/L

RT: 8.553 min Scan# 2259

Delta R.T. 0.007 min

Lab File: VU061092.D

Acq: 10 Oct 2024 16:21

Tgt Ion: 164 Resp: 116496

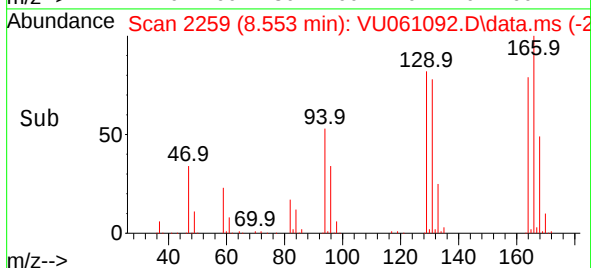
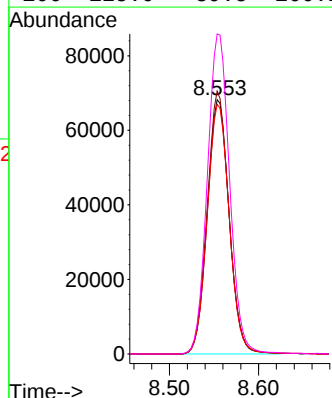
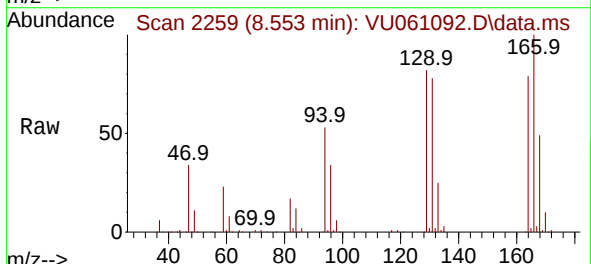
Ion Ratio Lower Upper

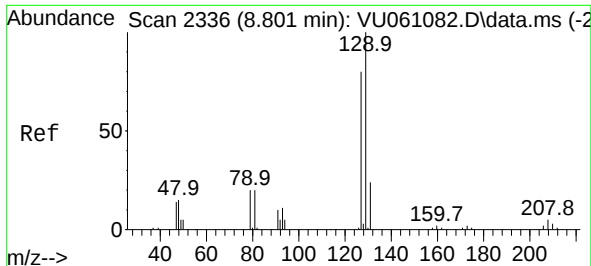
164 100

129 103.4 67.3 124.9

131 98.2 65.4 121.4

166 125.9 89.5 166.1





#49

Dibromochloromethane

Concen: 12.557 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.247 min

Lab File: VU061092.D

Acq: 10 Oct 2024 16:21

Instrument :

MSVOA_U

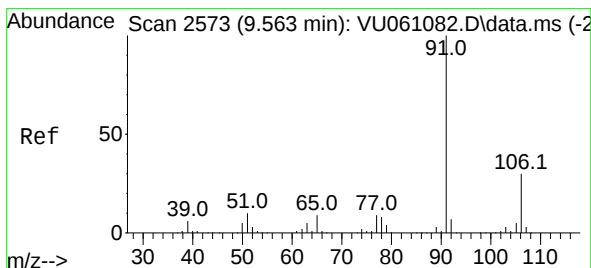
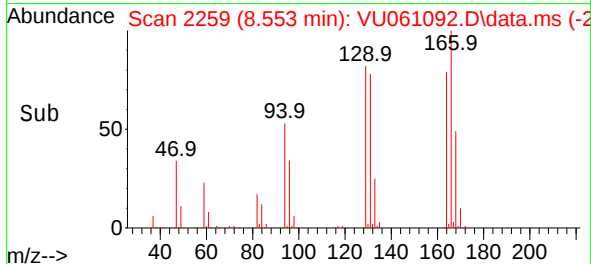
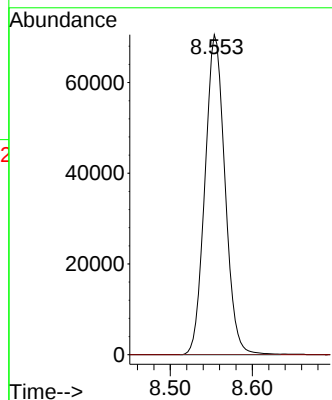
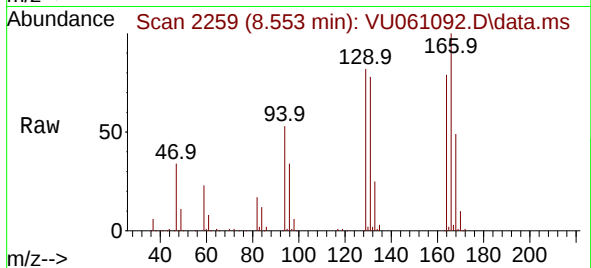
ClientSampleId :

Tgt Ion:129 Resp: 119744

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.1#



#52

Ethylbenzene

Concen: 0.654 ug/L

RT: 9.569 min Scan# 2575

Delta R.T. 0.007 min

Lab File: VU061092.D

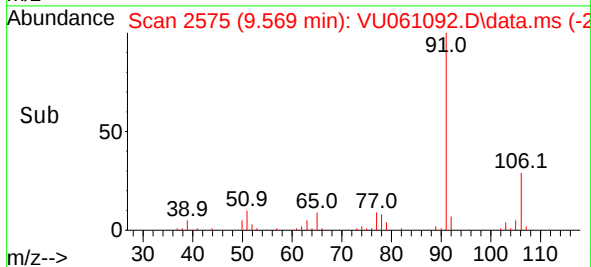
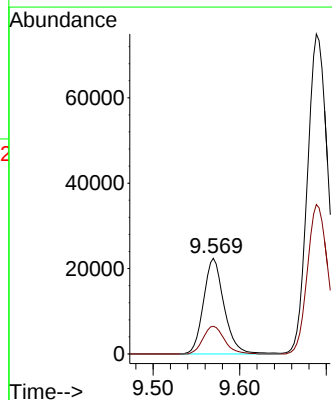
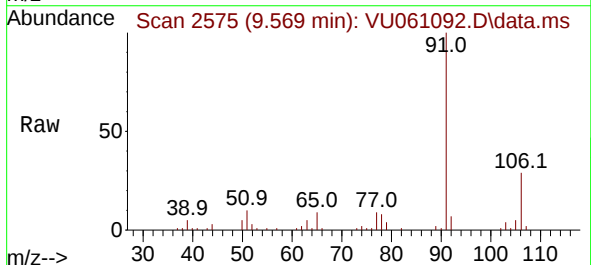
Acq: 10 Oct 2024 16:21

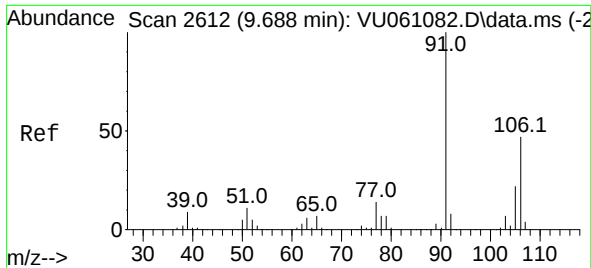
Tgt Ion: 91 Resp: 37035

Ion Ratio Lower Upper

91 100

106 29.0 21.8 40.6





#53

m,p-Xylene

Concen: 2.902 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU061092.D

Acq: 10 Oct 2024 16:21

Instrument :

MSVOA_U

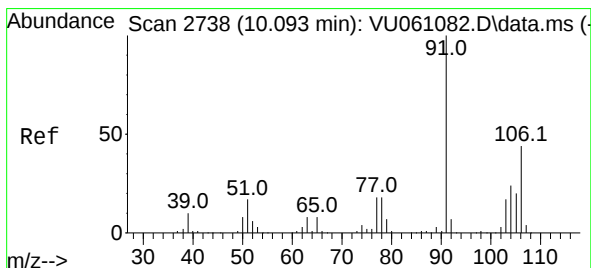
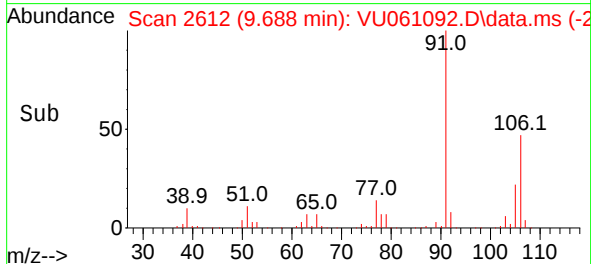
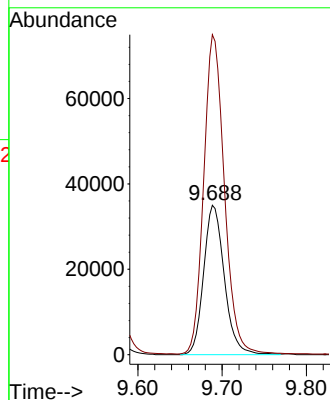
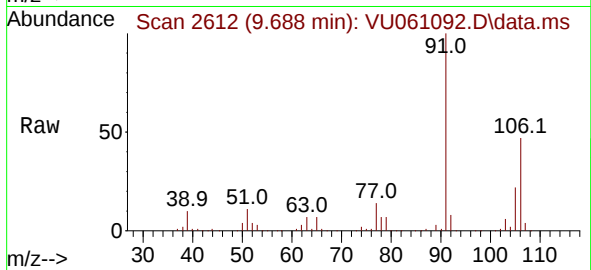
ClientSampleId :

Tgt Ion:106 Resp: 59974

Ion Ratio Lower Upper

106 100

91 214.1 139.7 259.4



#54

o-Xylene

Concen: 1.889 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. 0.003 min

Lab File: VU061092.D

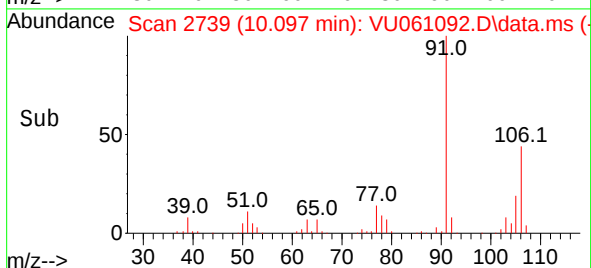
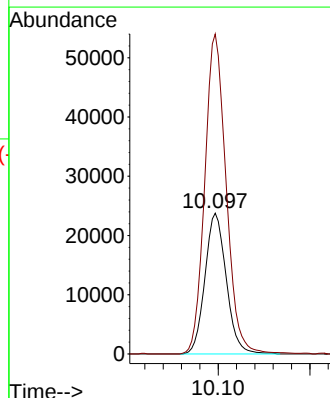
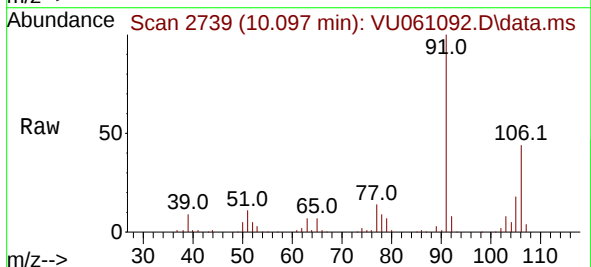
Acq: 10 Oct 2024 16:21

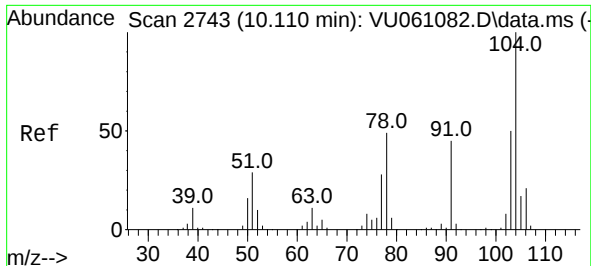
Tgt Ion:106 Resp: 38399

Ion Ratio Lower Upper

106 100

91 227.3 148.6 276.0





#55

Styrene

Concen: 0.402 ug/L

RT: 10.116 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU061092.D

Acq: 10 Oct 2024 16:21

Instrument :

MSVOA_U

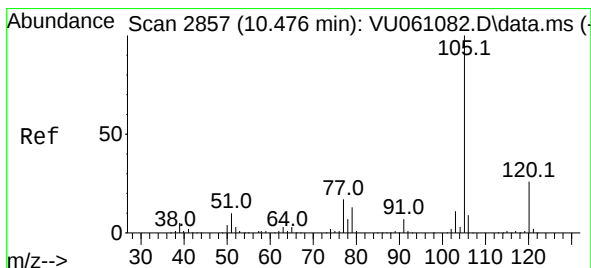
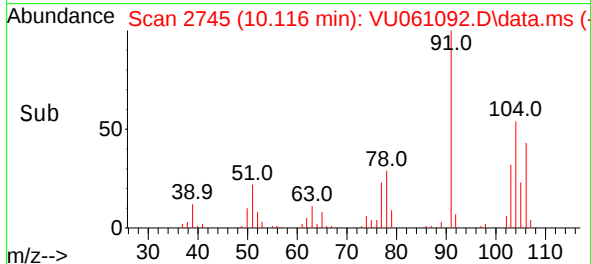
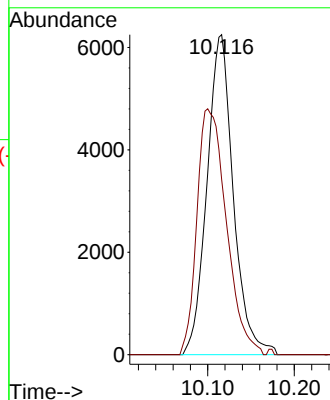
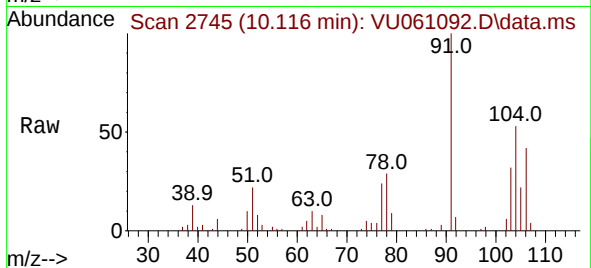
ClientSampleId :

Tgt Ion:104 Resp: 13200

Ion Ratio Lower Upper

104 100

78 54.8 31.7 58.9



#60

Isopropylbenzene

Concen: 1.166 ug/L

RT: 10.994 min Scan# 3018

Delta R.T. 0.518 min

Lab File: VU061092.D

Acq: 10 Oct 2024 16:21

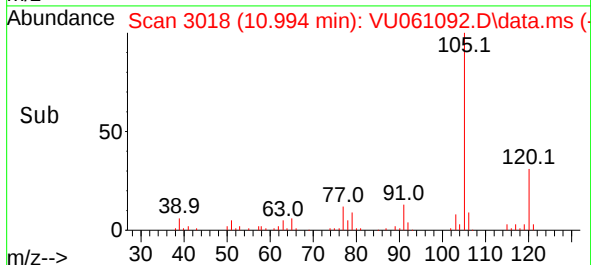
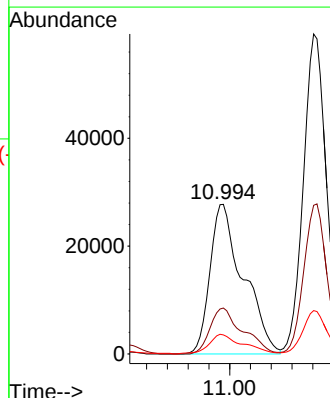
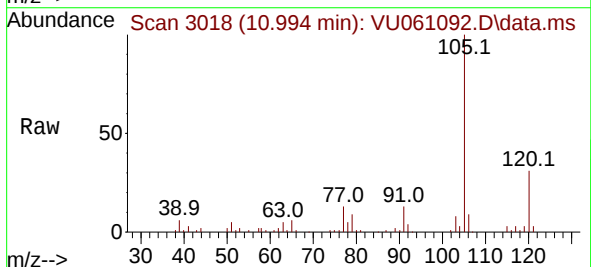
Tgt Ion:105 Resp: 61654

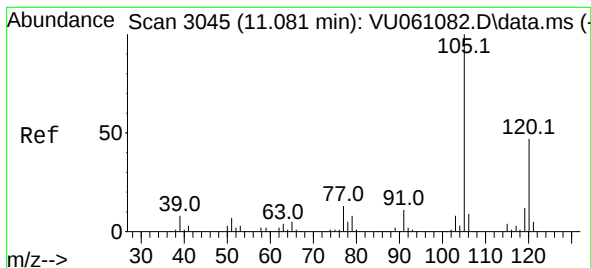
Ion Ratio Lower Upper

105 100

120 30.2 21.5 32.3

77 13.4 12.6 18.8





#62

1,3,5-Trimethylbenzene

Concen: 1.961 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU061092.D

Acq: 10 Oct 2024 16:21

Instrument :

MSVOA_U

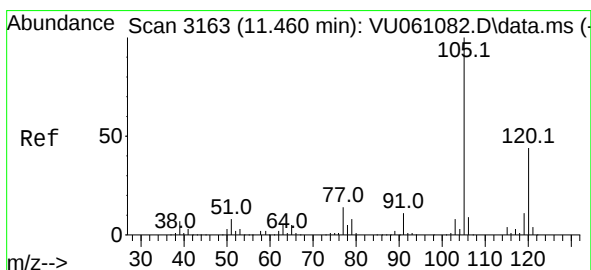
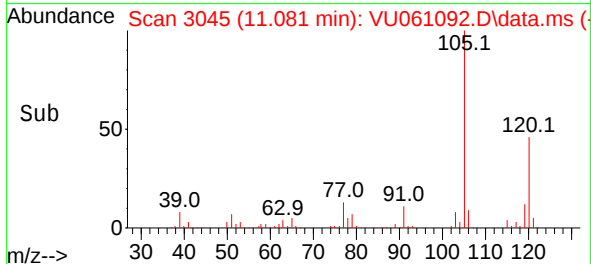
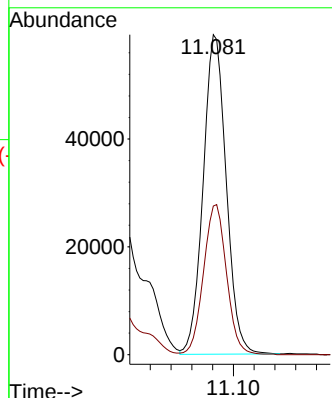
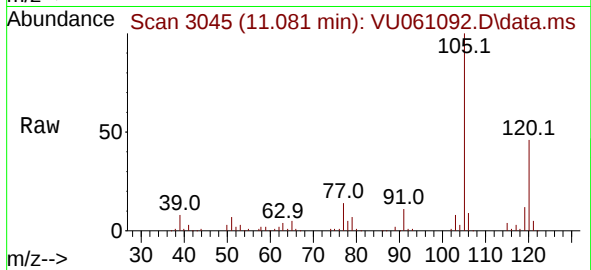
ClientSampleId :

Tgt Ion:105 Resp: 91374

Ion Ratio Lower Upper

105 100

120 47.0 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 3.232 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU061092.D

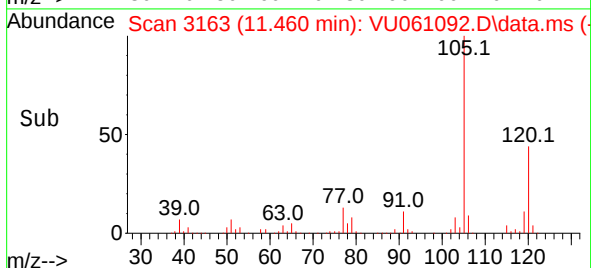
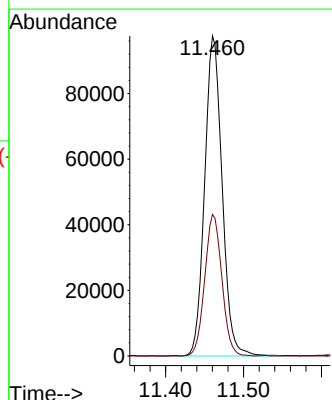
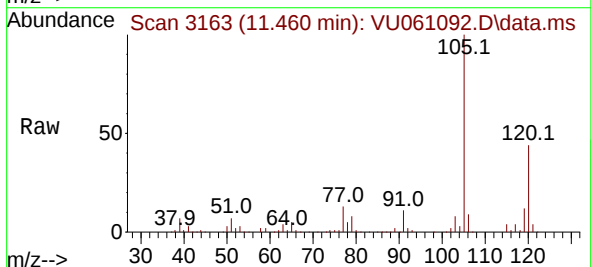
Acq: 10 Oct 2024 16:21

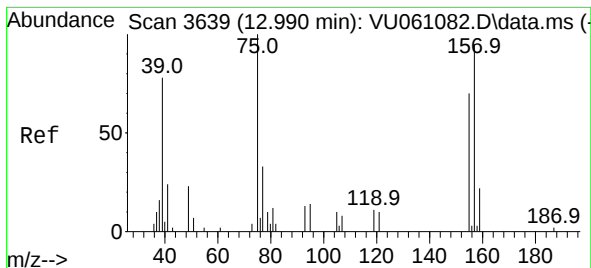
Tgt Ion:105 Resp: 151988

Ion Ratio Lower Upper

105 100

120 43.3 36.1 54.1

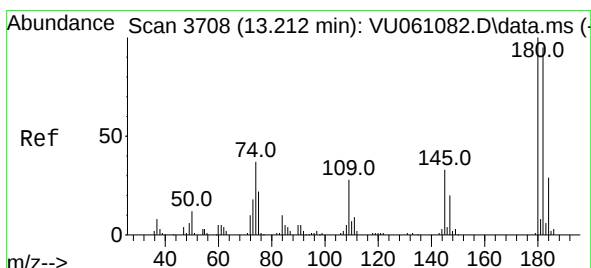
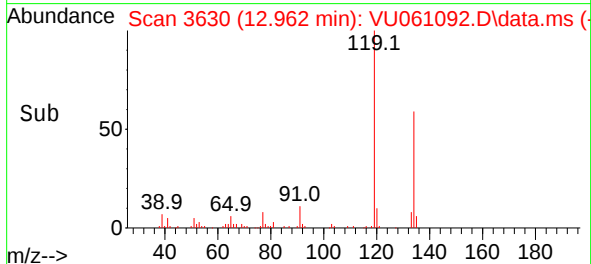
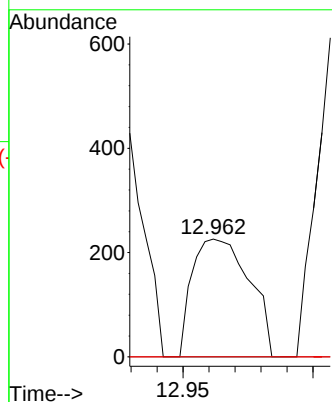
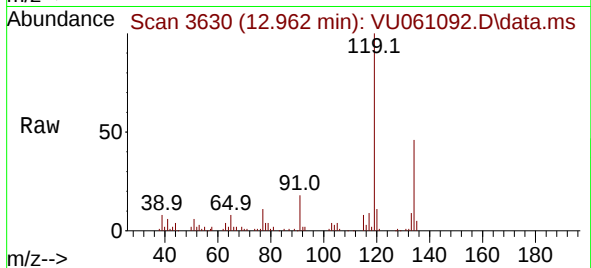




#68
1,2-Dibromo-3-chloropropane
Concen: 0.204 ug/L
RT: 12.962 min Scan# 3090
Delta R.T. -0.029 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

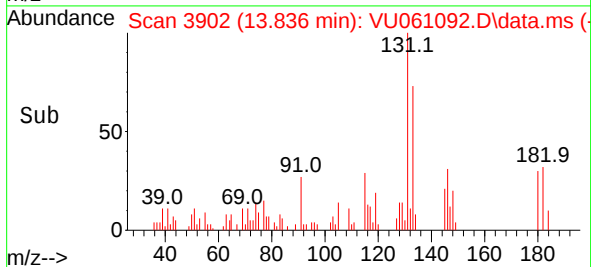
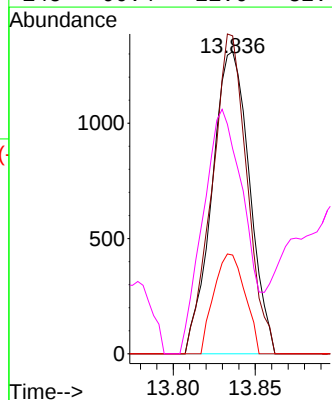
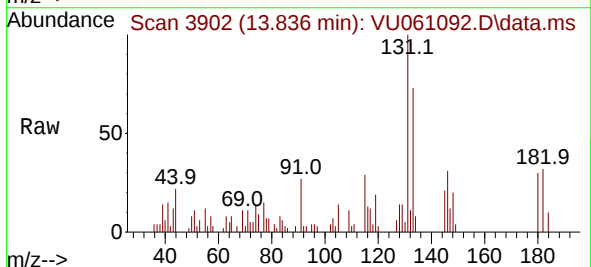
Instrument :
MSVOA_U
ClientSampleId :

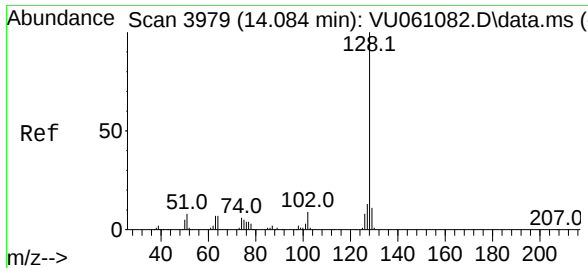
Tgt Ion: 75 Resp: 346
Ion Ratio Lower Upper
75 100
155 0.0 73.1 109.7#
157 0.0 91.0 136.4#



#69
1,3,5-Trichlorobenzene
Concen: 0.131 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.624 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

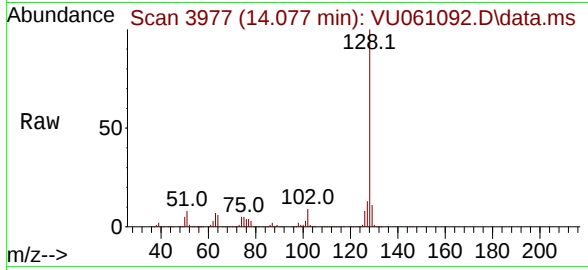
Tgt Ion:180 Resp: 2083
Ion Ratio Lower Upper
180 100
182 97.9 74.5 111.7
184 27.3 23.2 34.8
145 90.4 21.6 32.4#





#71
Naphthalene
Concen: 134.433 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.006 min
Lab File: VU061092.D
Acq: 10 Oct 2024 16:21

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 2685165
Ion Ratio Lower Upper
128 100
129 11.0 8.3 12.5
127 13.0 10.7 16.1

