

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
 Data File : VU061120.D
 Acq On : 11 Oct 2024 15:51
 Operator : MD/SY
 Sample : P4380-22DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 14 04:19:36 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	159252	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	147916	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	71053	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	37498	3.293	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.800%
7) Chloroethane-d5	1.907	69	34624	4.063	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.200%
11) 1,1-Dichloroethene-d2	2.560	65	17736	3.531	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.600%
20) 2-Butanone-d5	4.624	46	132894	48.727	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.460%
24) Chloroform-d	5.052	84	87592	4.365	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	5.695	65	47213	4.439	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
32) Benzene-d6	5.717	84	171212	4.390	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	6.682	67	58691	4.582	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.891	98	153365	4.207	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	8.174	79	22350	4.081	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.600%
46) 2-Hexanone-d5	8.627	63	114495	50.510	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.020%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	45365	4.830	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	54265	4.776	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.600%

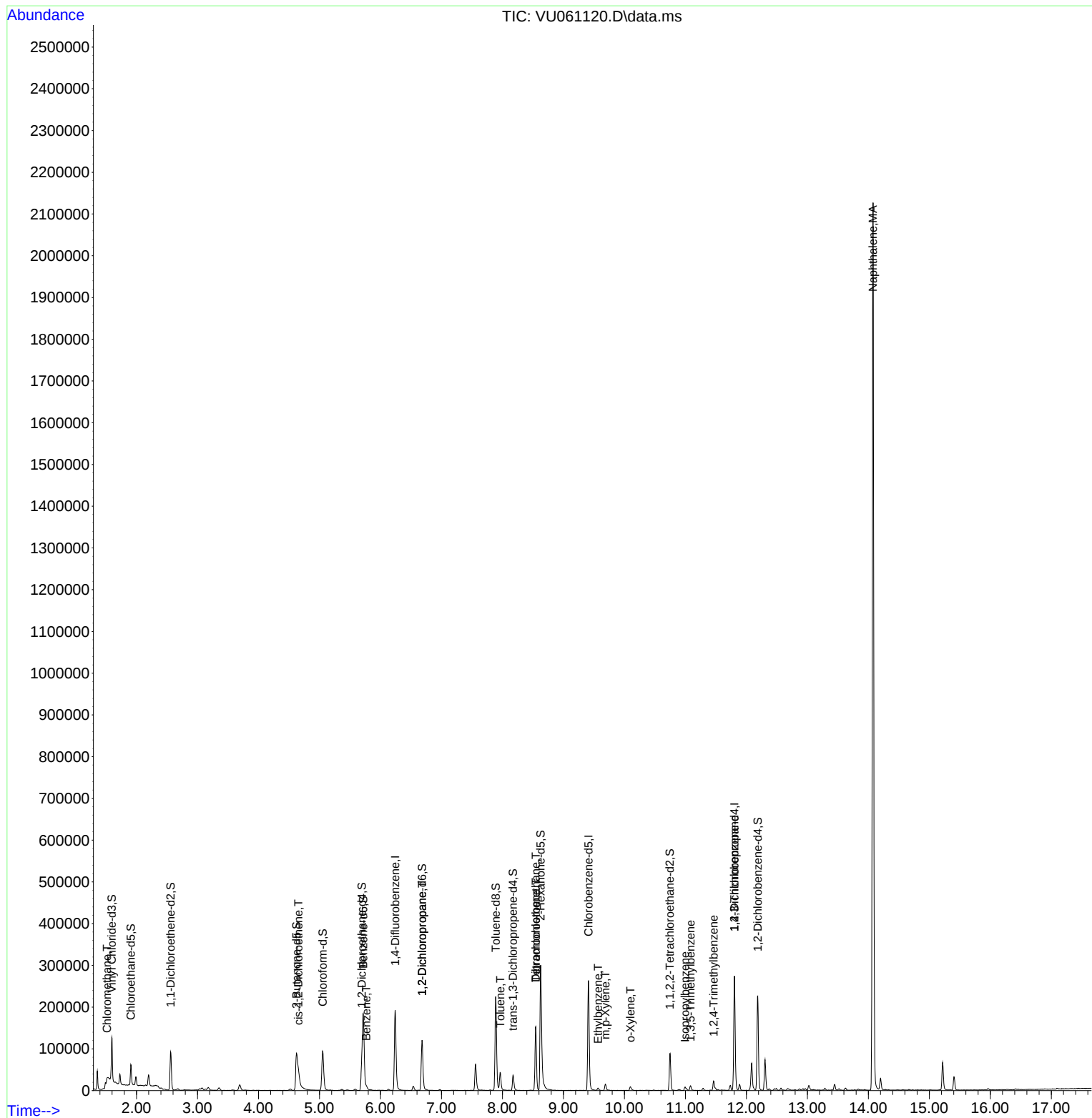
Target Compounds				Qvalue		
3) Chloromethane	1.518	50	1666	0.149	ug/L #	73
22) cis-1,2-Dichloroethene	4.656	96	8158	0.727	ug/L	89
33) Benzene	5.769	78	6956	0.160	ug/L	100
37) 1,2-Dichloropropane	6.682	63	6536	0.569	ug/L #	93
42) Toluene	7.965	91	32100	0.691	ug/L	97
47) Tetrachloroethene	8.547	164	31617	4.110	ug/L	96
49) Dibromochloromethane	8.547	129	32338	3.650	ug/L #	9
52) Ethylbenzene	9.566	91	4745	0.090	ug/L	100
53) m,p-Xylene	9.688	106	4712	0.245	ug/L	88
54) o-Xylene	10.100	106	2475	0.131	ug/L	84
60) Isopropylbenzene	10.994	105	7971	0.168	ug/L	94
61) 1,2,3-Trichloropropane	11.804	75	9615	1.378	ug/L #	66
62) 1,3,5-Trimethylbenzene	11.084	105	7168	0.171	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	13308	0.315	ug/L	97
71) Naphthalene	14.077	128	1609579	89.649	ug/L	99

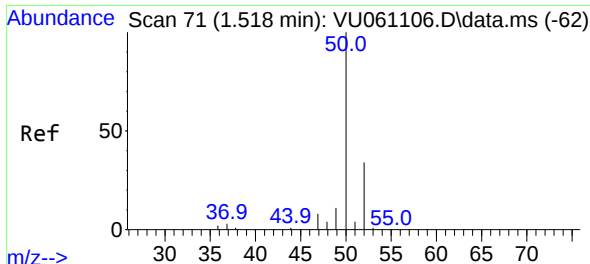
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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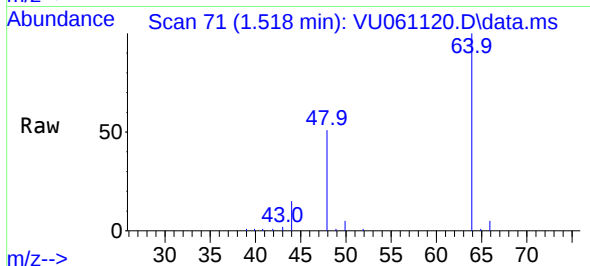
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 11 06:46:55 2024
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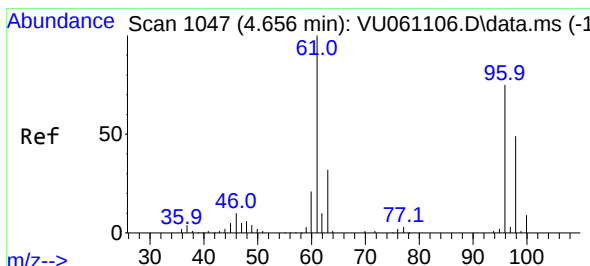
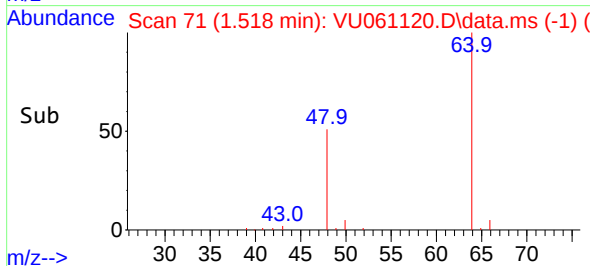
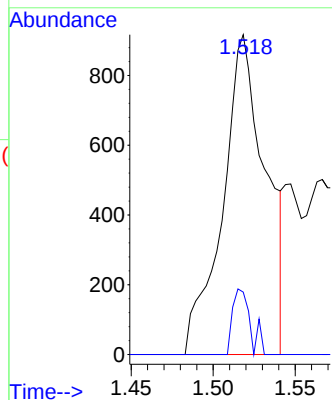


#3
Chloromethane
Concen: 0.149 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU061120.D
Acq: 11 Oct 2024 15:51

Instrument :
MSVOA_U
ClientSampleId :

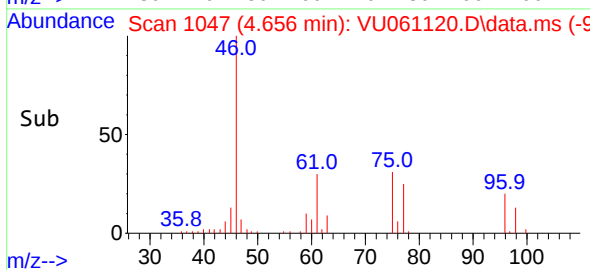
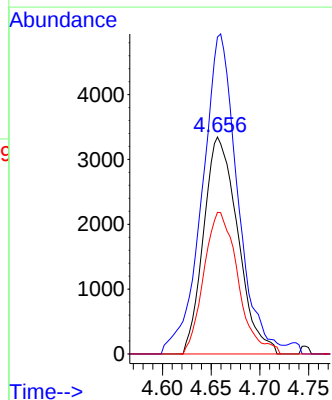
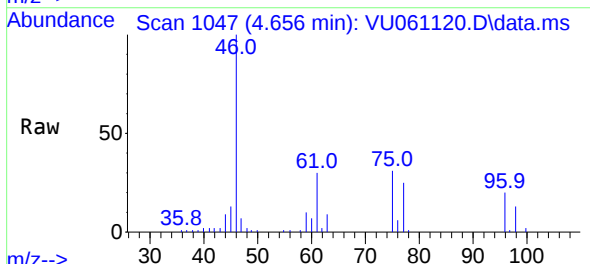


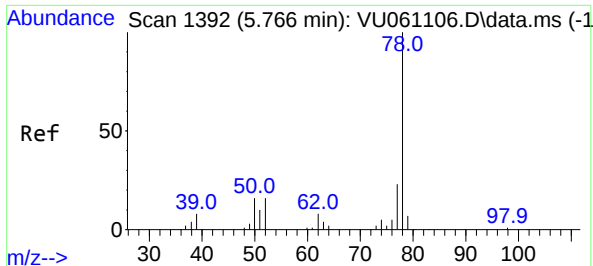
Tgt Ion: 50 Resp: 1666
Ion Ratio Lower Upper
50 100
52 19.5 24.4 45.4#



#22
cis-1,2-Dichloroethene
Concen: 0.727 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU061120.D
Acq: 11 Oct 2024 15:51

Tgt Ion: 96 Resp: 8158
Ion Ratio Lower Upper
96 100
61 146.2 89.7 166.5
98 65.3 45.1 83.9

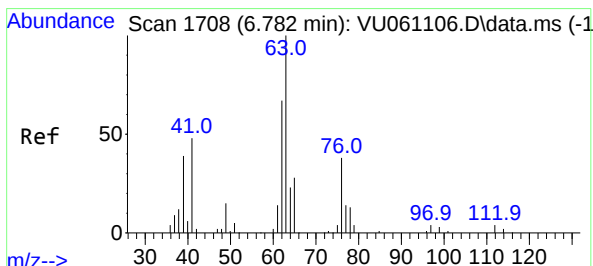
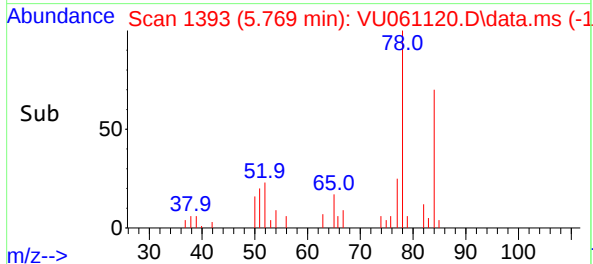
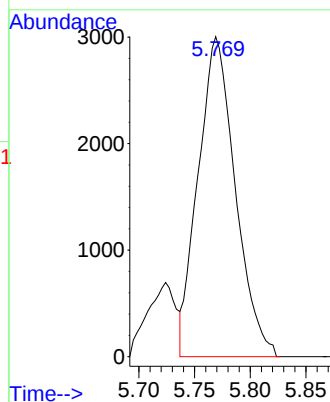
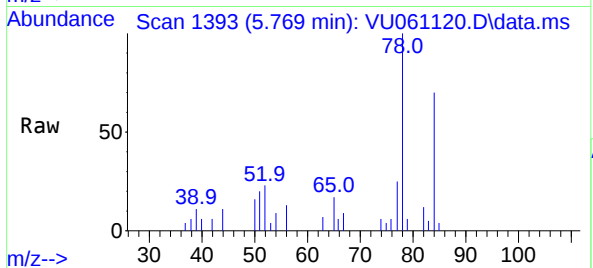




#33
Benzene
Concen: 0.160 ug/L
RT: 5.769 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU061120.D
Acq: 11 Oct 2024 15:51

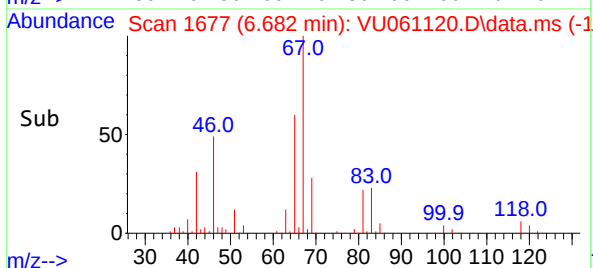
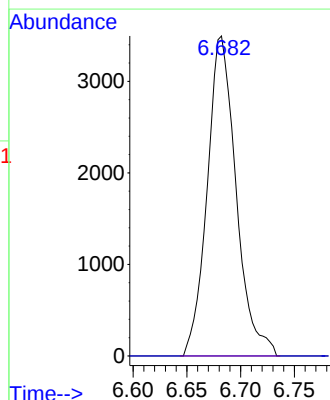
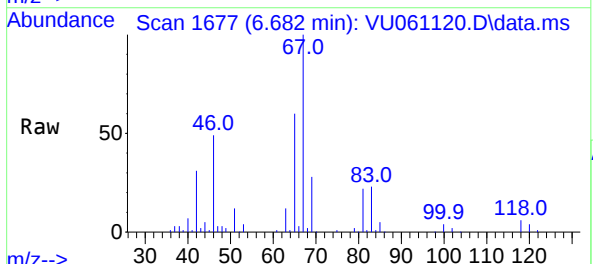
Instrument :
MSVOA_U
ClientSampleId :

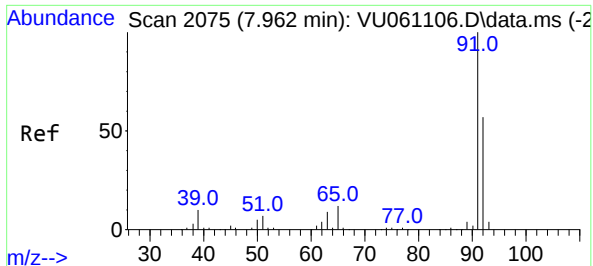
Tgt Ion: 78 Resp: 6956



#37
1,2-Dichloropropane
Concen: 0.569 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.100 min
Lab File: VU061120.D
Acq: 11 Oct 2024 15:51

Tgt Ion: 63 Resp: 6536
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#

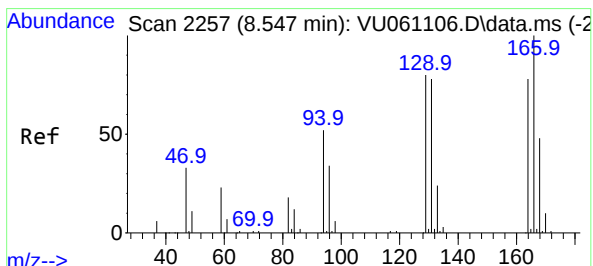
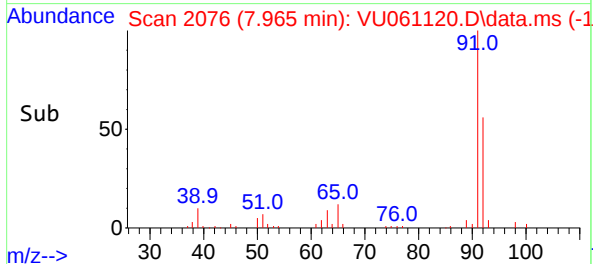
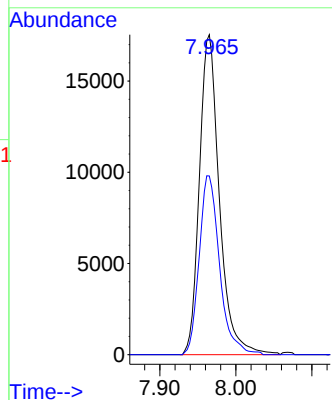
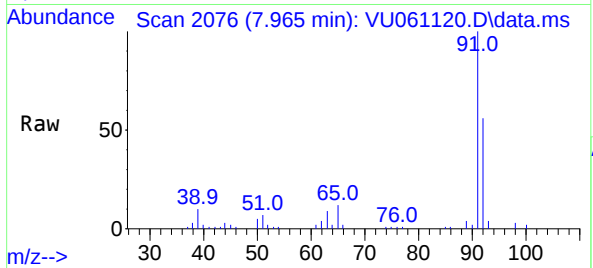




#42
Toluene
Concen: 0.691 ug/L
RT: 7.965 min Scan# 2075
Delta R.T. 0.003 min
Lab File: VU061120.D
Acq: 11 Oct 2024 15:51

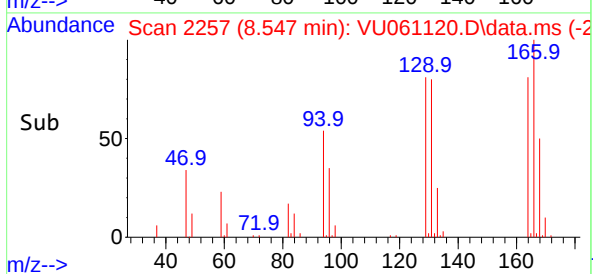
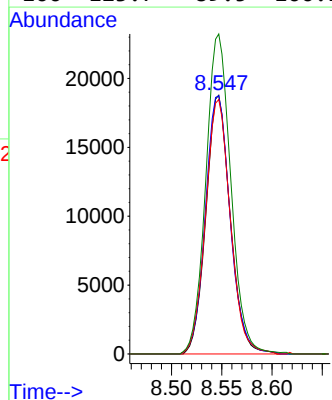
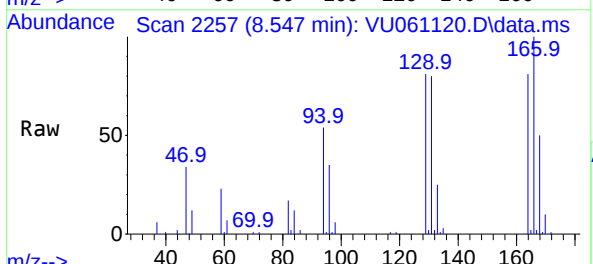
Instrument :
MSVOA_U
ClientSampleId :

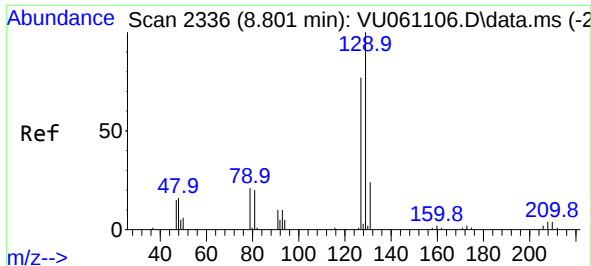
Tgt Ion: 91 Resp: 32100
Ion Ratio Lower Upper
91 100
92 55.8 40.5 75.3



#47
Tetrachloroethene
Concen: 4.110 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU061120.D
Acq: 11 Oct 2024 15:51

Tgt Ion:164 Resp: 31617
Ion Ratio Lower Upper
164 100
129 99.8 67.3 124.9
131 98.3 65.4 121.4
166 123.7 89.5 166.1





#49

Dibromochloromethane

Concen: 3.650 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU061120.D

Acq: 11 Oct 2024 15:51

Instrument :

MSVOA_U

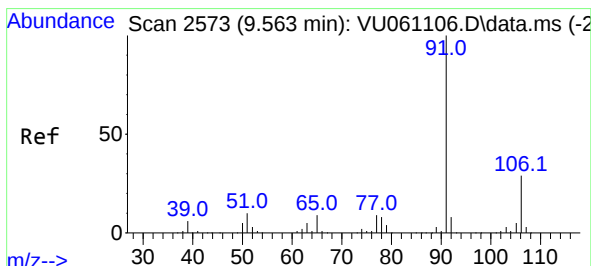
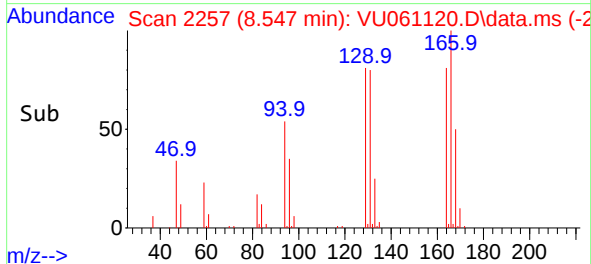
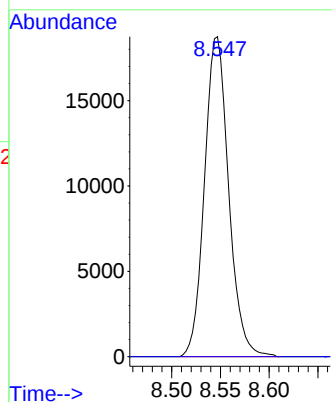
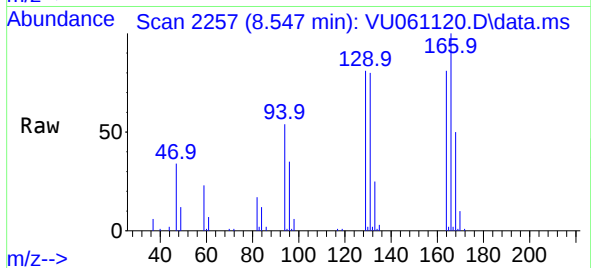
ClientSampleId :

Tgt Ion:129 Resp: 32338

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.1#



#52

Ethylbenzene

Concen: 0.090 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU061120.D

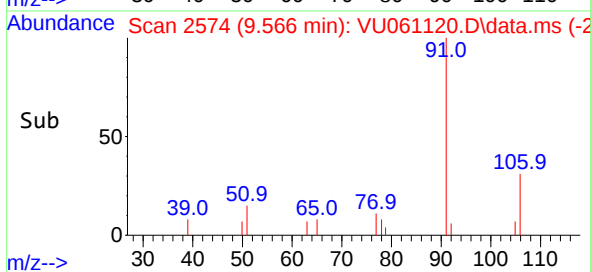
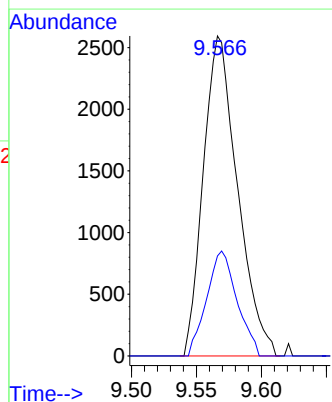
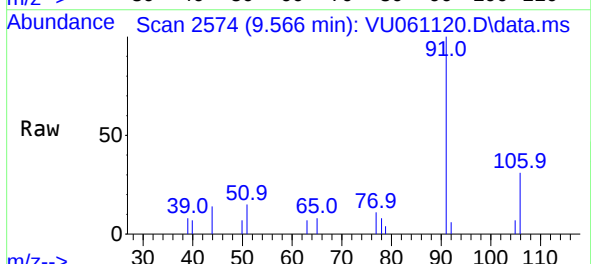
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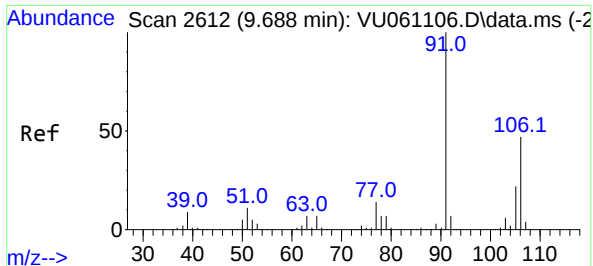
Tgt Ion: 91 Resp: 4745

Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.6

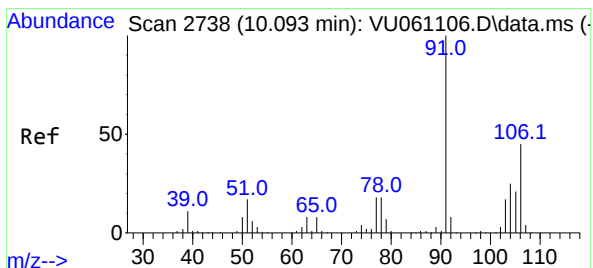
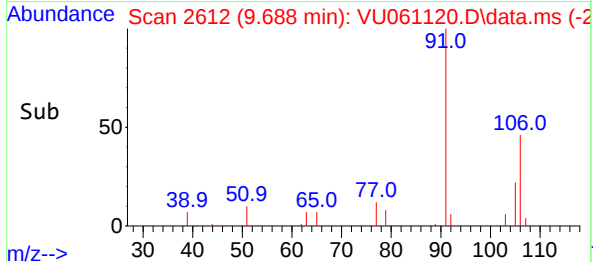
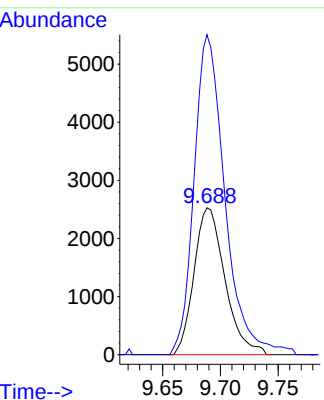
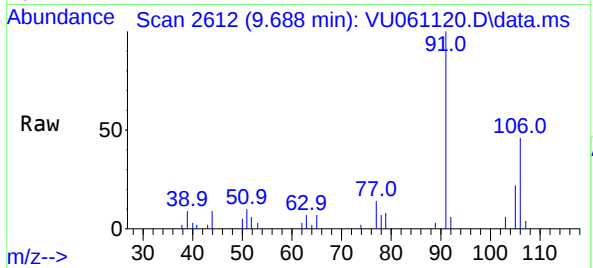




#53
m,p-Xylene
Concen: 0.245 ug/L
RT: 9.688 min Scan# 20
Delta R.T. 0.000 min
Lab File: VU061120.D
Acq: 11 Oct 2024 15:51

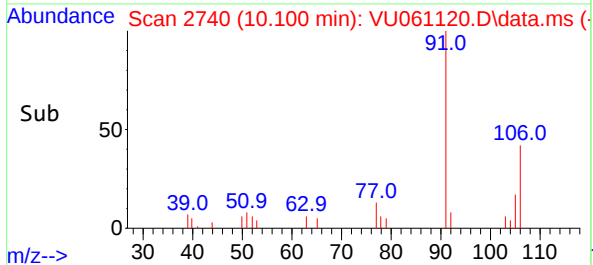
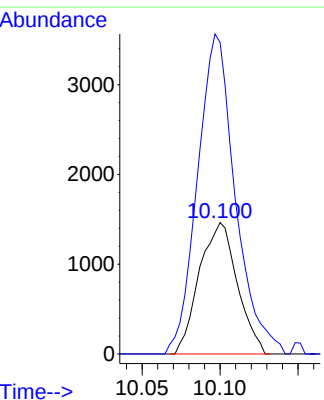
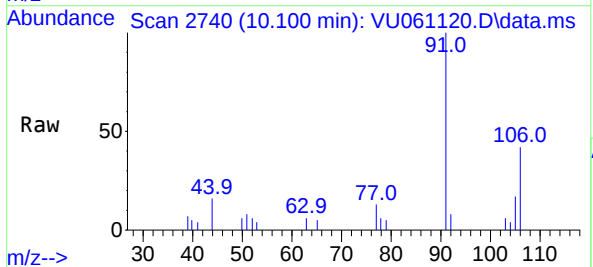
Instrument :
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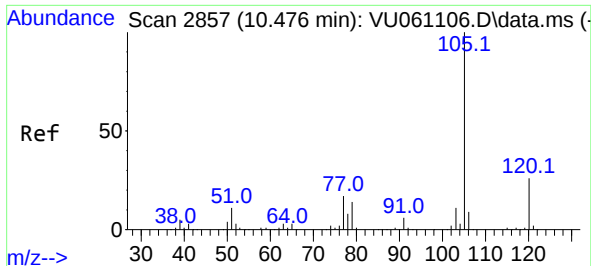
Tgt Ion:106 Resp: 4712
Ion Ratio Lower Upper
106 100
91 217.9 139.7 259.4



#54
o-Xylene
Concen: 0.131 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. 0.006 min
Lab File: VU061120.D
Acq: 11 Oct 2024 15:51

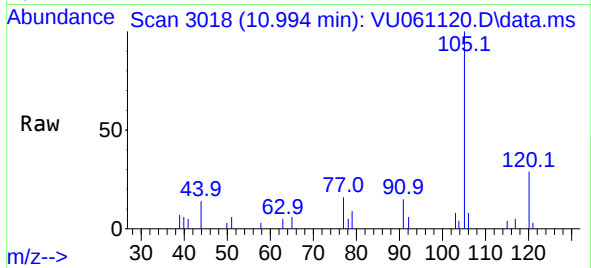
Tgt Ion:106 Resp: 2475
Ion Ratio Lower Upper
106 100
91 237.2 148.6 276.0



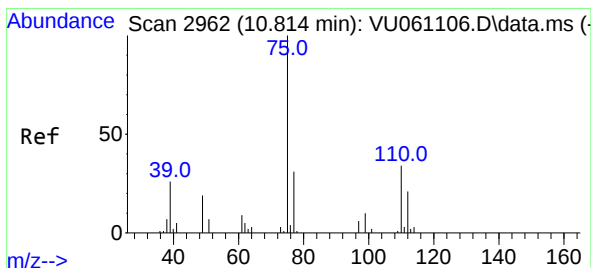
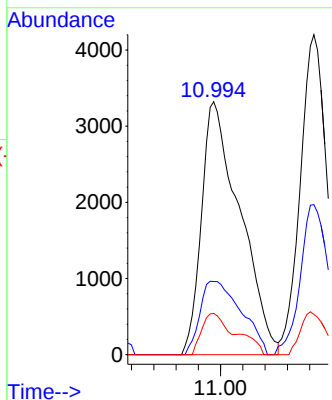
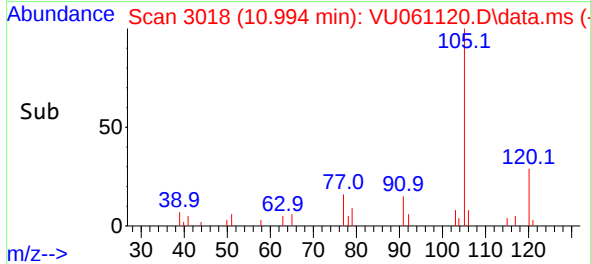


#60
Isopropylbenzene
Concen: 0.168 ug/L
RT: 10.994 min Scan# 30
Delta R.T. 0.518 min
Lab File: VU061120.D
Acq: 11 Oct 2024 15:51

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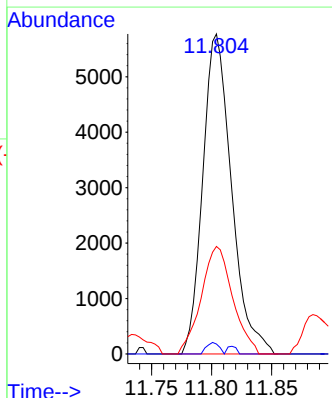
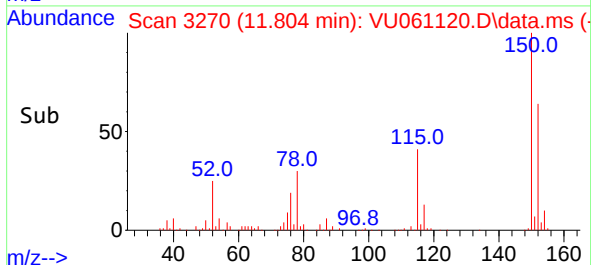
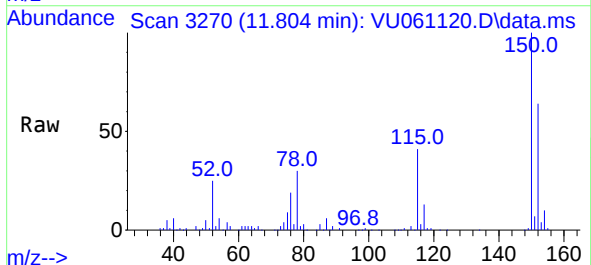


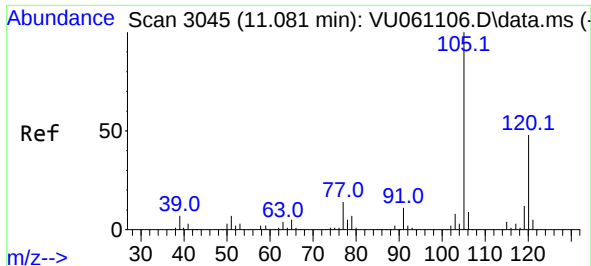
Tgt Ion:105 Resp: 7971
Ion Ratio Lower Upper
105 100
120 31.2 21.5 32.3
77 14.5 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 1.378 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.987 min
Lab File: VU061120.D
Acq: 11 Oct 2024 15:51

Tgt Ion: 75 Resp: 9615
Ion Ratio Lower Upper
75 100
110 1.5 28.6 43.0#
77 36.7 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 0.171 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU061120.D

Acq: 11 Oct 2024 15:51

Instrument :

MSVOA_U

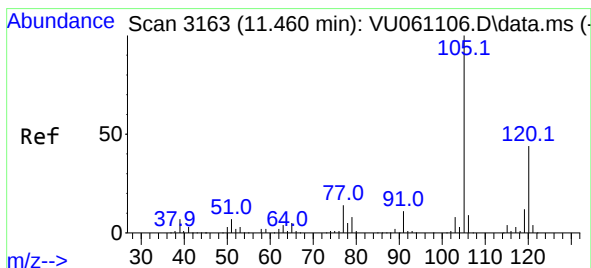
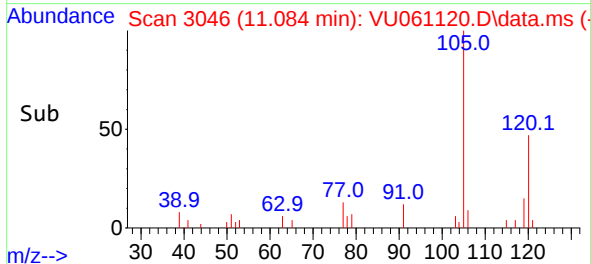
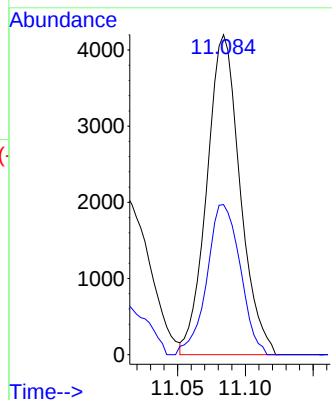
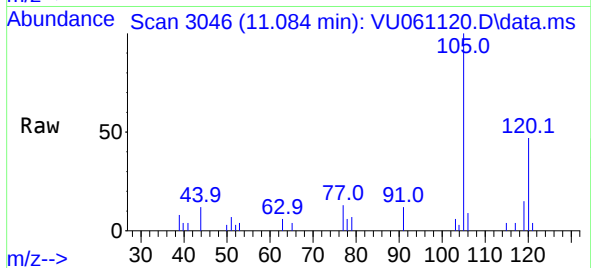
ClientSampleId :

Tgt Ion:105 Resp: 7168

Ion Ratio Lower Upper

105 100

120 47.0 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 0.315 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU061120.D

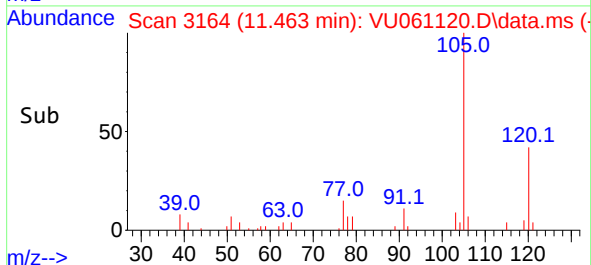
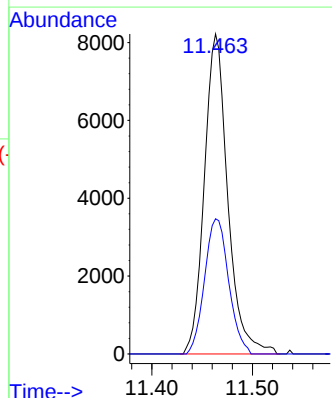
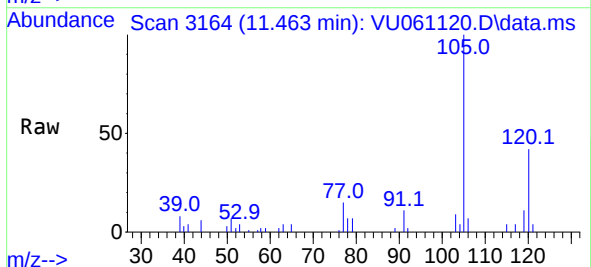
Acq: 11 Oct 2024 15:51

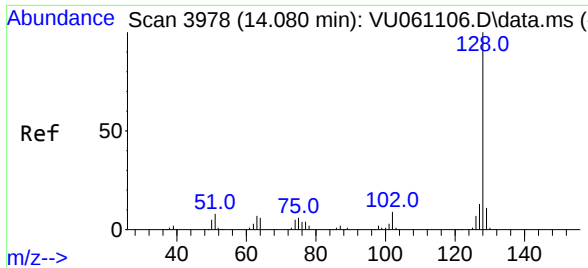
Tgt Ion:105 Resp: 13308

Ion Ratio Lower Upper

105 100

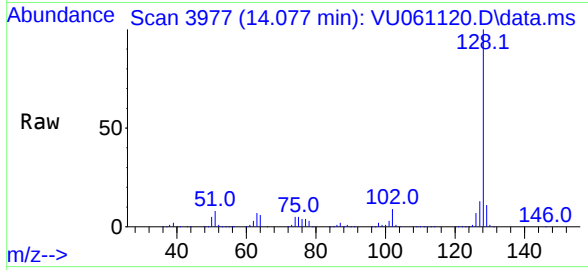
120 43.4 36.1 54.1





#71
Naphthalene
Concen: 89.649 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.006 min
Lab File: VU061120.D
Acq: 11 Oct 2024 15:51

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 1609579
Ion Ratio Lower Upper
128 100
129 10.9 8.3 12.5
127 13.0 10.7 16.1

