

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
 Data File : VU063031.D
 Acq On : 27 Jan 2025 21:28
 Operator : MD/SY
 Sample : Q1174-27
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 29 07:31:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 29 07:27:08 2025
 Response via : Initial Calibration

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

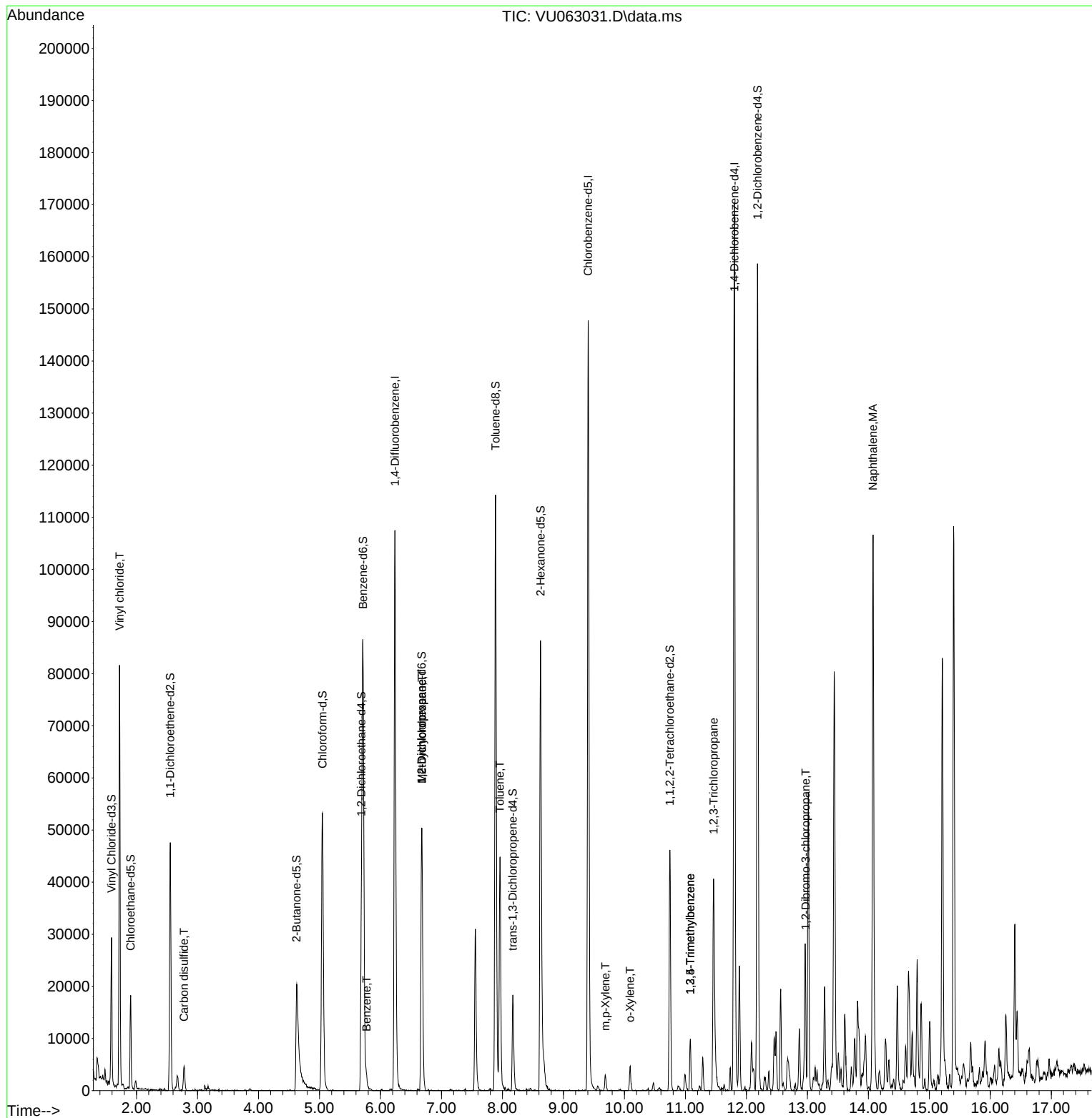
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	90301	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	84084	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	49427	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	18325	5.645	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	113.000%
7) Chloroethane-d5	1.904	69	11248	4.564	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.554	65	8574	4.417	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.400%
20) 2-Butanone-d5	4.624	46	29401	31.207	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	62.420%
24) Chloroform-d	5.049	84	51730	4.012	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.200%
26) 1,2-Dichloroethane-d4	5.689	65	30602	4.157	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.200%
32) Benzene-d6	5.714	84	78776	4.100	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	6.676	67	19394	3.964	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.200%
41) Toluene-d8	7.888	98	77914	4.101	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
43) trans-1,3-Dichloroprop...	8.171	79	12622	4.167	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.624	63	29751	39.368	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.740%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	19073	4.106	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.200%
66) 1,2-Dichlorobenzene-d4	12.184	152	39034	4.412	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.724	62	1955	0.450	ug/L	90
14) Carbon disulfide	2.779	76	6523	0.543	ug/L #	93
33) Benzene	5.775	78	2607	0.128	ug/L	100
35) Methylcyclohexane	6.679	83	7213	0.827	ug/L #	20
37) 1,2-Dichloropropane	6.679	63	3094	0.675	ug/L #	85
42) Toluene	7.959	91	34614	1.430	ug/L	100
53) m,p-Xylene	9.688	106	1211	0.111	ug/L	87
54) o-Xylene	10.094	106	1263	0.127	ug/L	81
61) 1,2,3-Trichloropropane	11.463	75	661	0.166	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.081	105	6169	0.225	ug/L	99
63) 1,2,4-Trimethylbenzene	11.081	105	6169	0.238	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.971	75	82	0.078	ug/L #	8
71) Naphthalene	14.077	128	87034	6.822	ug/L	98

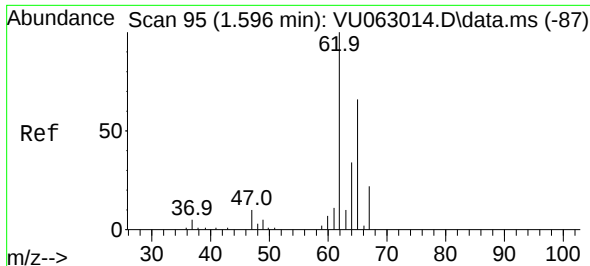
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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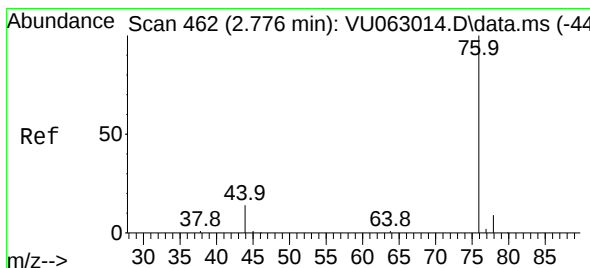
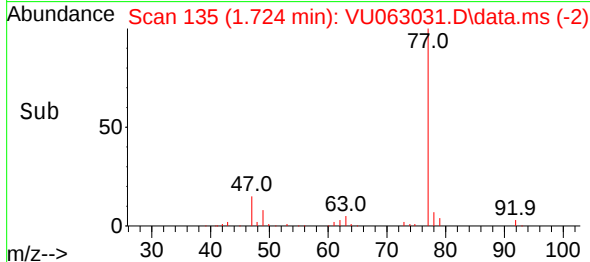
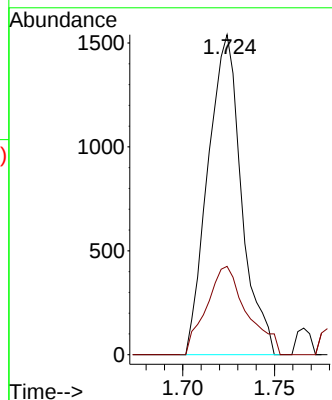
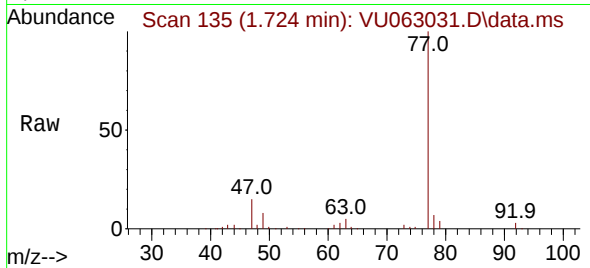




#5
 Vinyl chloride
 Concen: 0.450 ug/L
 RT: 1.724 min Scan# 14
 Delta R.T. 0.129 min
 Lab File: VU063031.D
 Acq: 27 Jan 2025 21:28

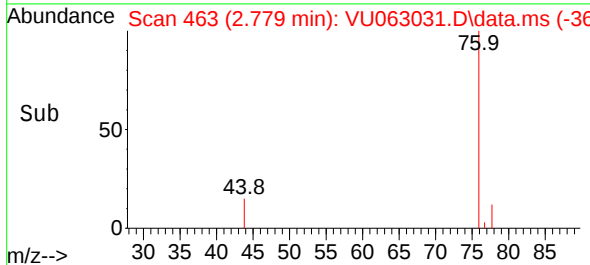
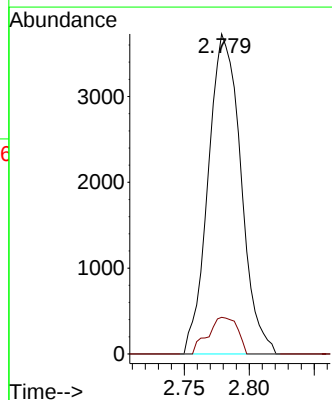
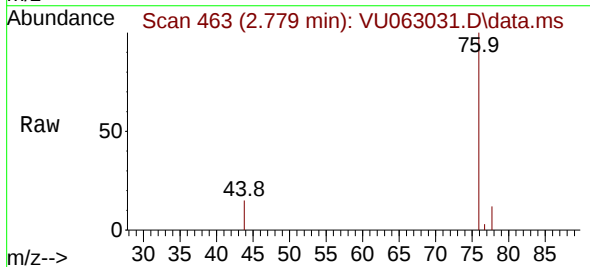
Instrument :
 MSVOA_U
 ClientSampleId :

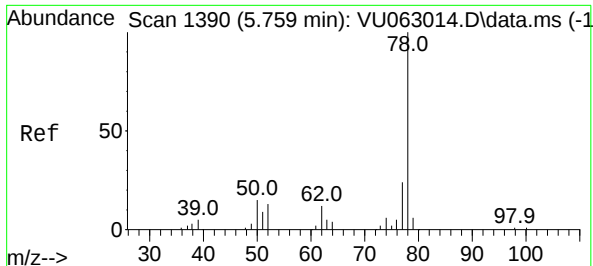
Tgt Ion: 62 Resp: 1955
 Ion Ratio Lower Upper
 62 100
 64 27.6 23.4 43.4



#14
 Carbon disulfide
 Concen: 0.543 ug/L
 RT: 2.779 min Scan# 463
 Delta R.T. 0.003 min
 Lab File: VU063031.D
 Acq: 27 Jan 2025 21:28

Tgt Ion: 76 Resp: 6523
 Ion Ratio Lower Upper
 76 100
 78 11.5 7.0 10.6#

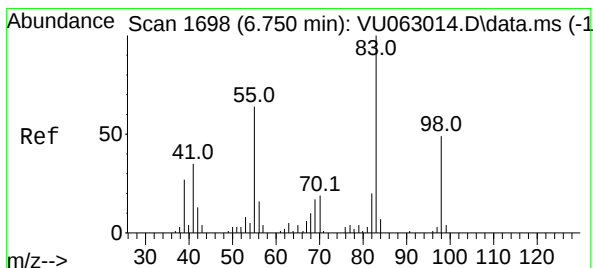
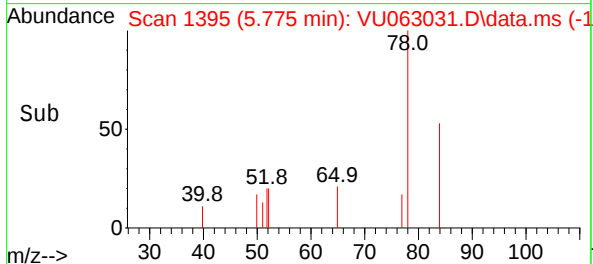
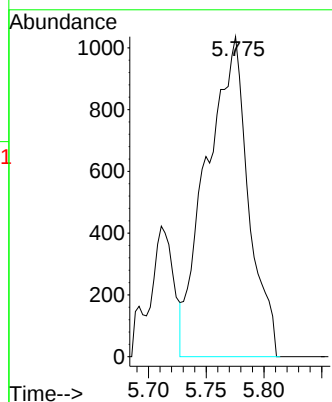
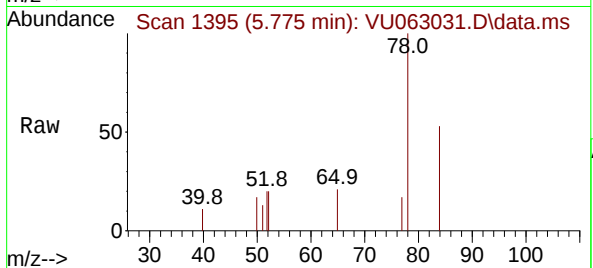




#33
Benzene
Concen: 0.128 ug/L
RT: 5.775 min Scan# 14
Delta R.T. 0.016 min
Lab File: VU063031.D
Acq: 27 Jan 2025 21:28

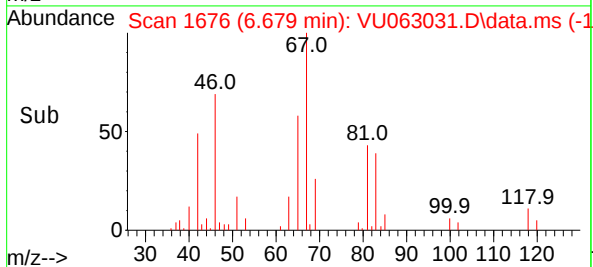
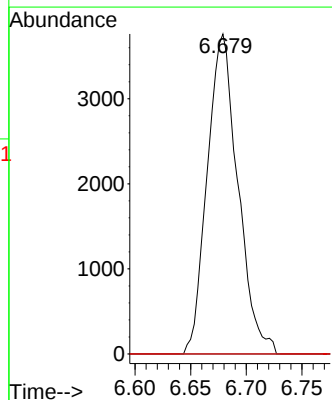
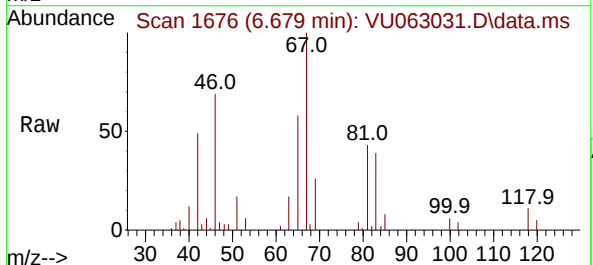
Instrument :
MSVOA_U
ClientSampleId :

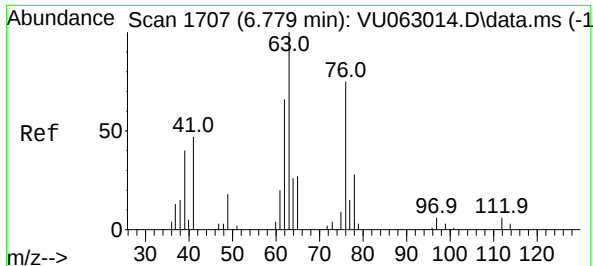
Tgt Ion: 78 Resp: 2607



#35
Methylcyclohexane
Concen: 0.827 ug/L
RT: 6.679 min Scan# 1676
Delta R.T. -0.071 min
Lab File: VU063031.D
Acq: 27 Jan 2025 21:28

Tgt Ion: 83 Resp: 7213
Ion Ratio Lower Upper
83 100
55 0.0 57.2 85.8#
98 0.0 36.6 55.0#

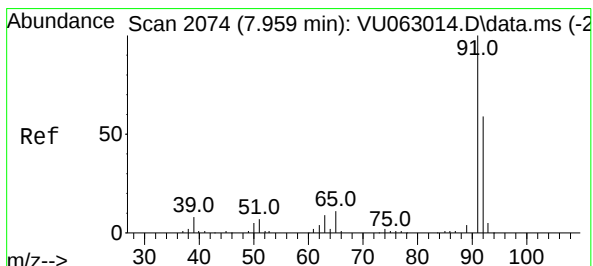
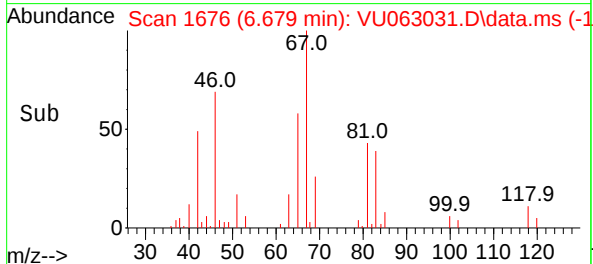
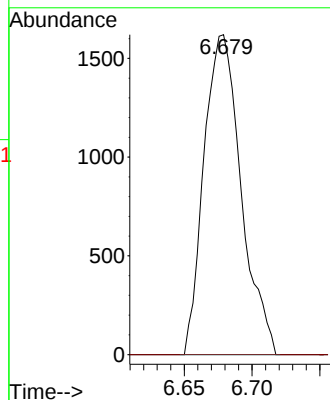
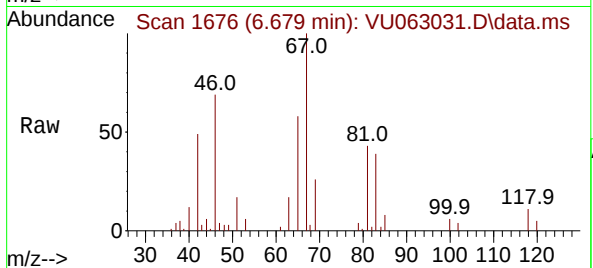




#37
1,2-Dichloropropane
Concen: 0.675 ug/L
RT: 6.679 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU063031.D
Acq: 27 Jan 2025 21:28

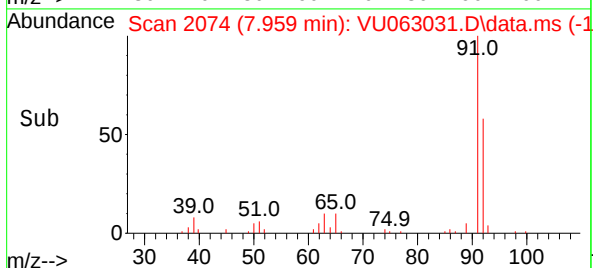
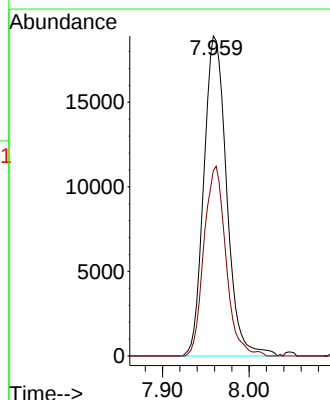
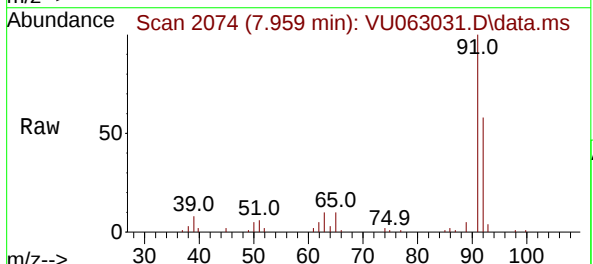
Instrument :
MSVOA_U
ClientSampleId :

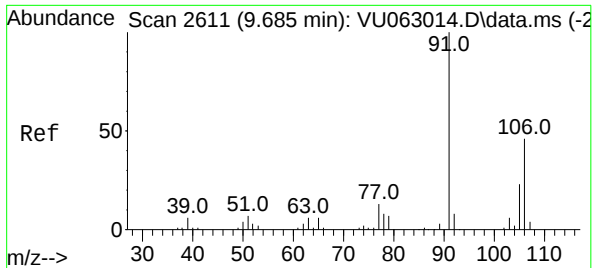
Tgt Ion: 63 Resp: 3094
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



#42
Toluene
Concen: 1.430 ug/L
RT: 7.959 min Scan# 2074
Delta R.T. -0.000 min
Lab File: VU063031.D
Acq: 27 Jan 2025 21:28

Tgt Ion: 91 Resp: 34614
Ion Ratio Lower Upper
91 100
92 57.9 40.4 75.0

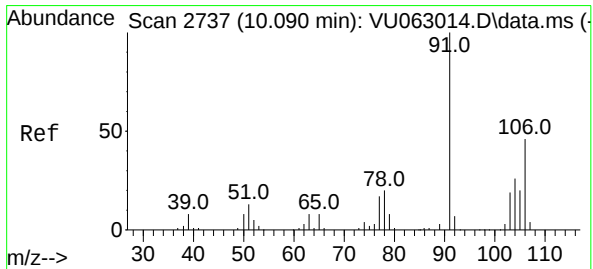
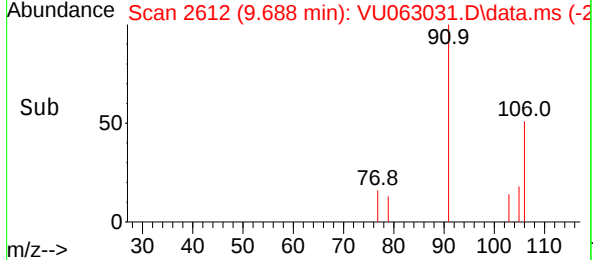
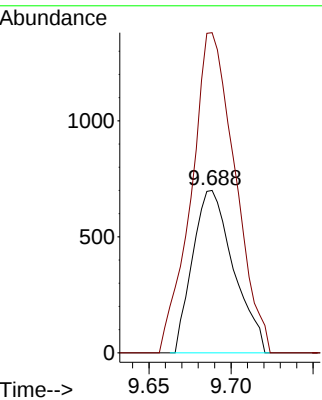
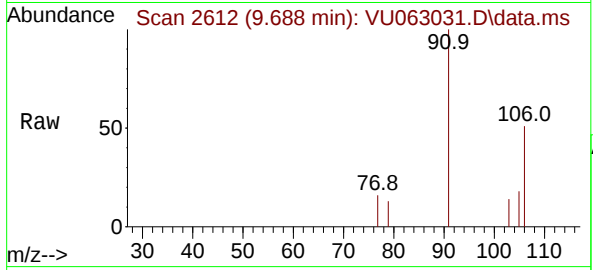




#53
m,p-Xylene
Concen: 0.111 ug/L
RT: 9.688 min Scan# 2611
Delta R.T. 0.003 min
Lab File: VU063031.D
Acq: 27 Jan 2025 21:28

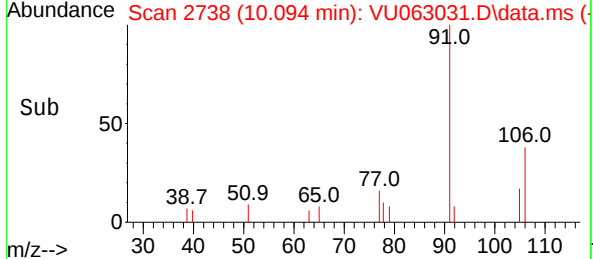
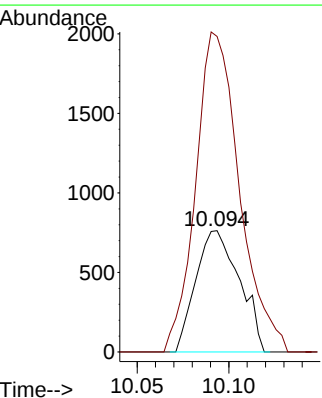
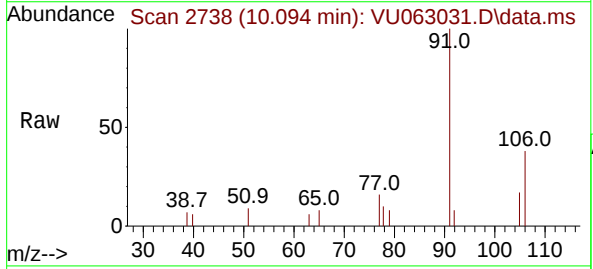
Instrument :
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ClientSampleId :

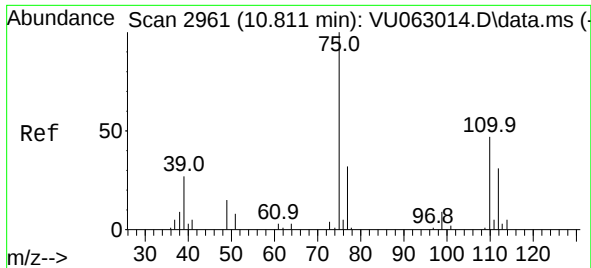
Tgt Ion:106 Resp: 1211
Ion Ratio Lower Upper
106 100
91 197.1 153.1 284.3



#54
o-Xylene
Concen: 0.127 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.003 min
Lab File: VU063031.D
Acq: 27 Jan 2025 21:28

Tgt Ion:106 Resp: 1263
Ion Ratio Lower Upper
106 100
91 260.0 160.4 297.8

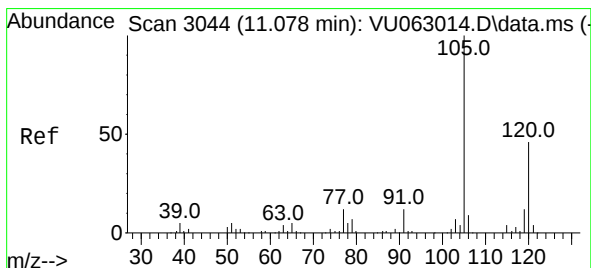
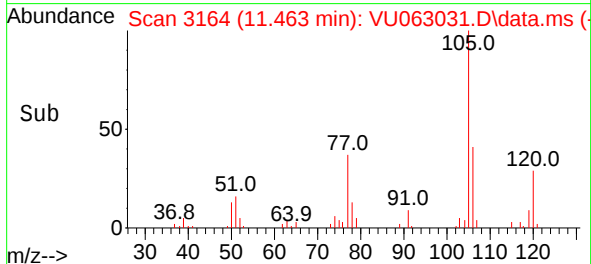
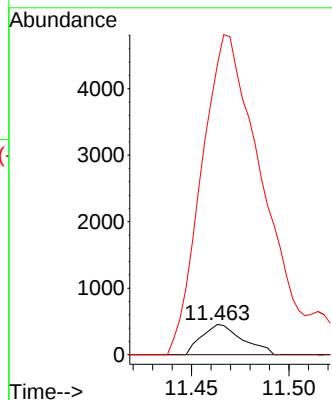
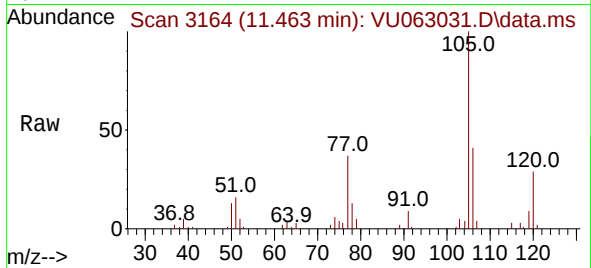




#61
 1,2,3-Trichloropropane
 Concen: 0.166 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.653 min
 Lab File: VU063031.D
 Acq: 27 Jan 2025 21:28

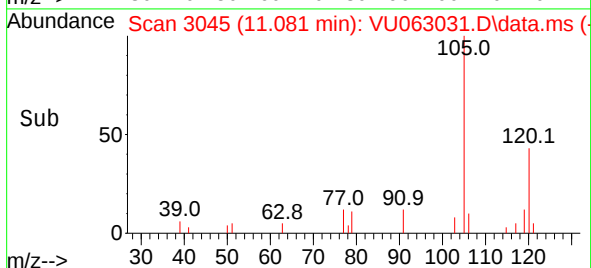
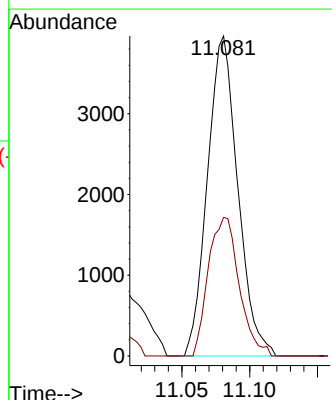
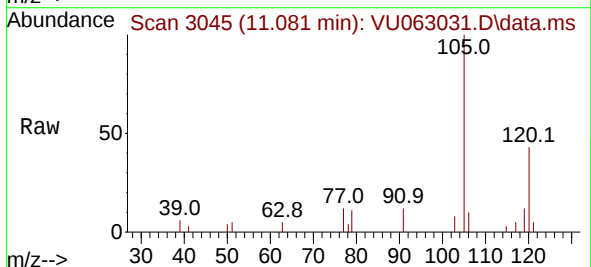
Instrument :
 MSVOA_U
 ClientSampleId :

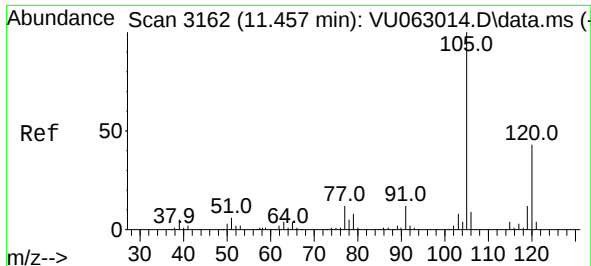
Tgt Ion: 75 Resp: 661
 Ion Ratio Lower Upper
 75 100
 110 0.0 33.2 49.8#
 77 1564.8 25.9 38.9#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.225 ug/L
 RT: 11.081 min Scan# 3045
 Delta R.T. 0.003 min
 Lab File: VU063031.D
 Acq: 27 Jan 2025 21:28

Tgt Ion: 105 Resp: 6169
 Ion Ratio Lower Upper
 105 100
 120 44.0 35.9 53.9





#63

1,2,4-Trimethylbenzene

Concen: 0.238 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.376 min

Lab File: VU063031.D

Acq: 27 Jan 2025 21:28

Instrument :

MSVOA_U

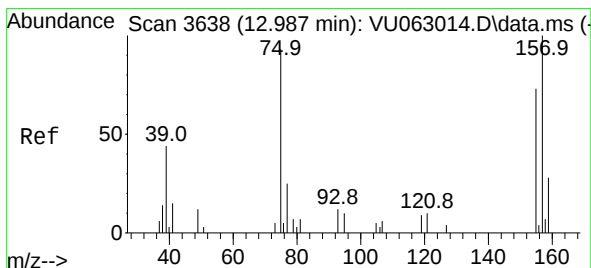
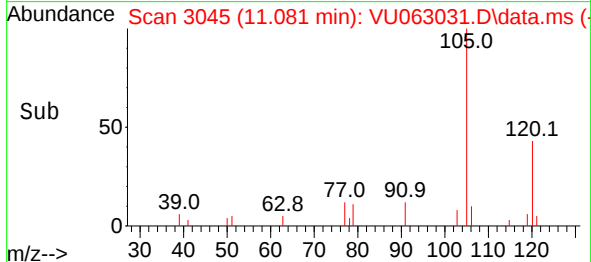
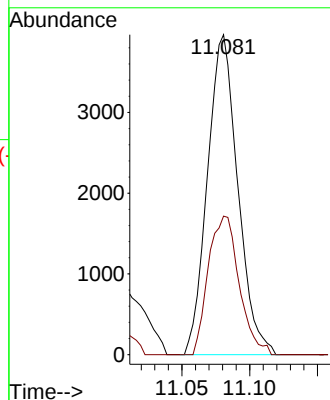
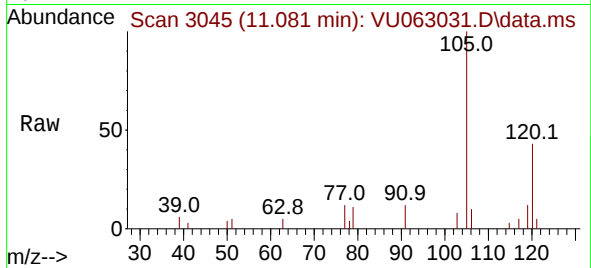
ClientSampleId :

Tgt Ion:105 Resp: 6169

Ion Ratio Lower Upper

105 100

120 44.0 34.2 51.2



#68

1,2-Dibromo-3-chloropropane

Concen: 0.078 ug/L

RT: 12.971 min Scan# 3633

Delta R.T. -0.016 min

Lab File: VU063031.D

Acq: 27 Jan 2025 21:28

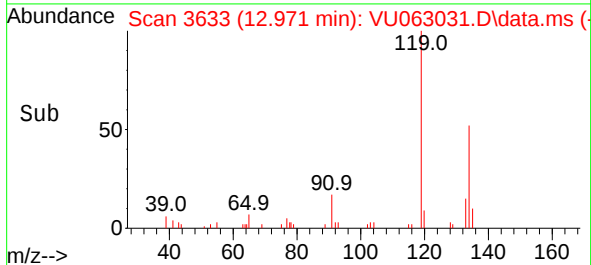
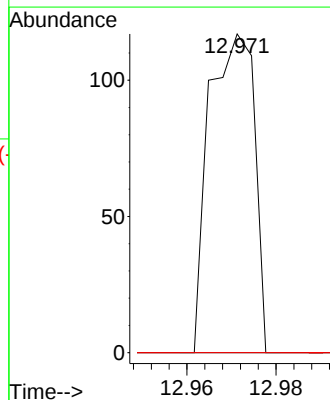
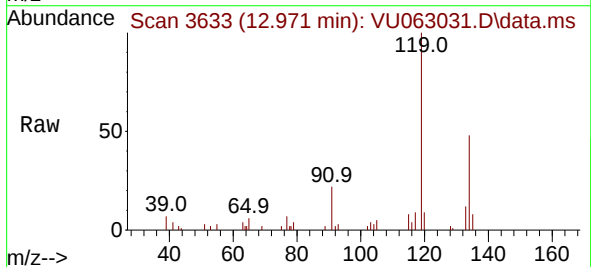
Tgt Ion: 75 Resp: 82

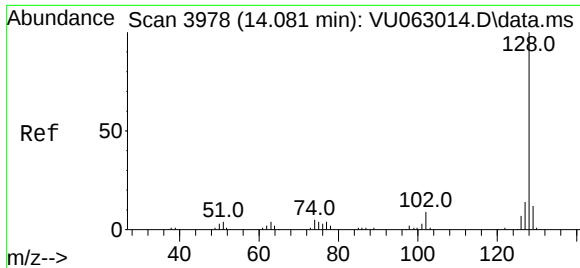
Ion Ratio Lower Upper

75 100

155 0.0 59.6 89.4#

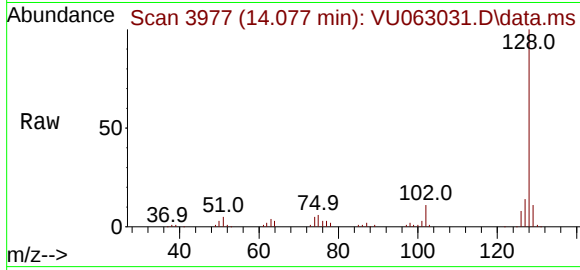
157 0.0 70.8 106.2#





#71
 Naphthalene
 Concen: 6.822 ug/L
 RT: 14.077 min Scan# 3977
 Delta R.T. -0.003 min
 Lab File: VU063031.D
 Acq: 27 Jan 2025 21:28

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:128 Resp: 87034
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.5 12.7
 127 14.0 10.2 15.2

