

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020525\
 Data File : VU063164.D
 Acq On : 05 Feb 2025 17:06
 Operator : MD/SY
 Sample : Q1226-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 06 07:30:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 06 07:25:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	79990	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	78937	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	34321	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	19730	4.312	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.200%
7) Chloroethane-d5	1.901	69	21182	4.988	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.800%
11) 1,1-Dichloroethene-d2	2.554	65	9471	4.637	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.800%
20) 2-Butanone-d5	4.605	46	80224	53.261	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.520%
24) Chloroform-d	5.049	84	50751	5.017	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
26) 1,2-Dichloroethane-d4	5.689	65	27774	5.338	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.800%
32) Benzene-d6	5.714	84	98039	4.761	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.679	67	33494	4.934	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.888	98	81158	4.462	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	8.171	79	11255	4.425	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.600%
46) 2-Hexanone-d5	8.621	63	62597	48.899	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.800%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	29194	4.873	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	12.184	152	30379	5.301	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.000%

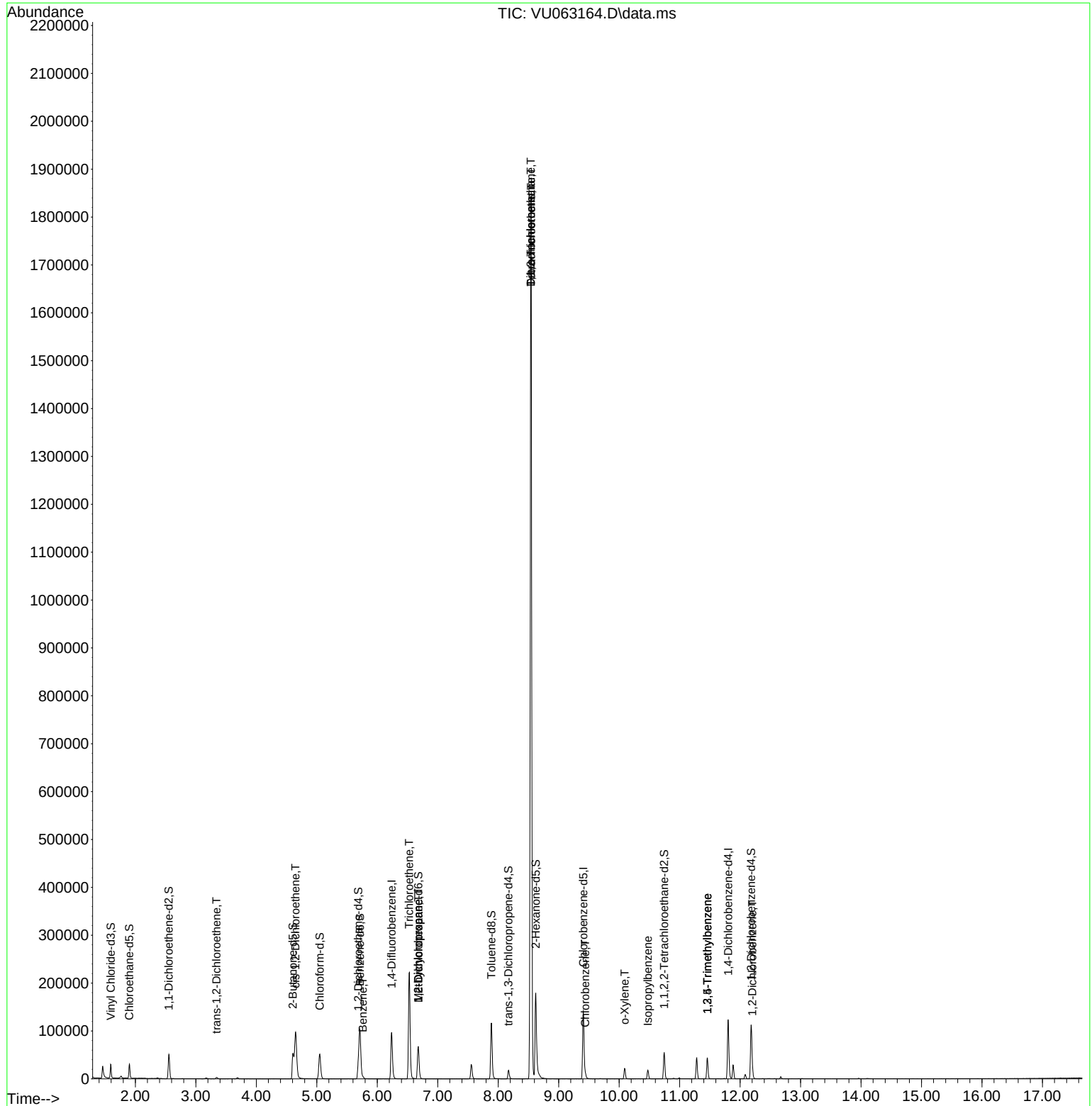
Target Compounds					Qvalue
18) trans-1,2-Dichloroethene	3.341	96	1479	0.266 ug/L	90
22) cis-1,2-Dichloroethene	4.650	96	50163	8.088 ug/L	100
33) Benzene	5.763	78	3218	0.124 ug/L	100
34) Trichloroethene	6.528	95	79155	11.998 ug/L	98
35) Methylcyclohexane	6.679	83	7574	0.766 ug/L #	18
37) 1,2-Dichloropropane	6.679	63	3585	0.517 ug/L #	90
45) 1,1,2-Trichloroethane	8.541	97	3632	0.710 ug/L #	1
47) Tetrachloroethene	8.544	164	393907	85.013 ug/L	99
49) Dibromochloromethane	8.541	129	386683	71.796 ug/L #	11
51) Chlorobenzene	9.441	112	6073	0.371 ug/L	96
54) o-Xylene	10.094	106	5943	0.585 ug/L	96
60) Isopropylbenzene	10.476	105	12659	0.519 ug/L	99
62) 1,3,5-Trimethylbenzene	11.460	105	25064	1.304 ug/L	95
63) 1,2,4-Trimethylbenzene	11.460	105	25064	1.356 ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	5862	0.568 ug/L	96

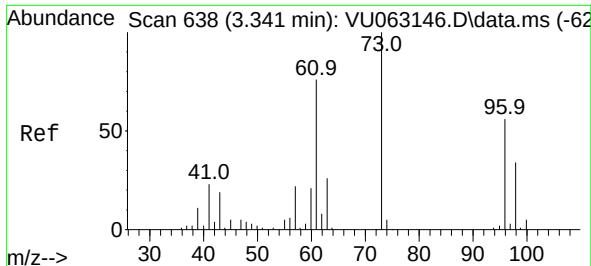
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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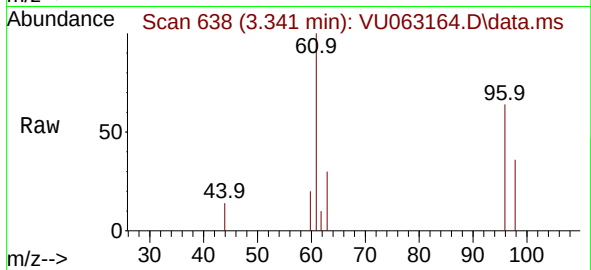
Quant Time: Feb 06 07:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
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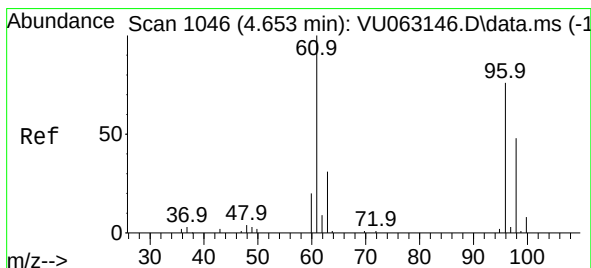
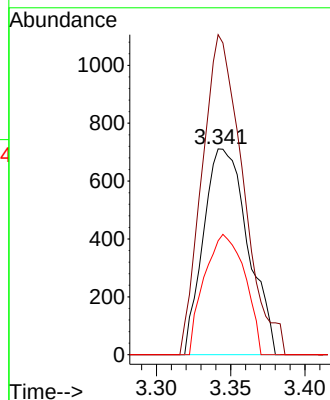
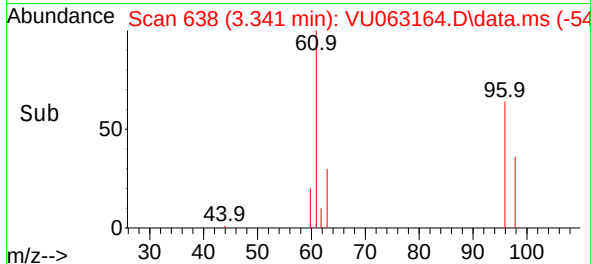


#18
trans-1,2-Dichloroethene
Concen: 0.266 ug/L
RT: 3.341 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU063164.D
Acq: 05 Feb 2025 17:06

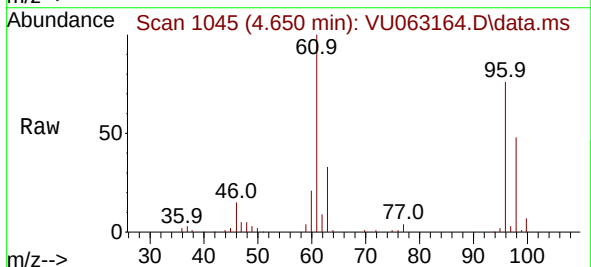
Instrument :
MSVOA_U
ClientSampleId :



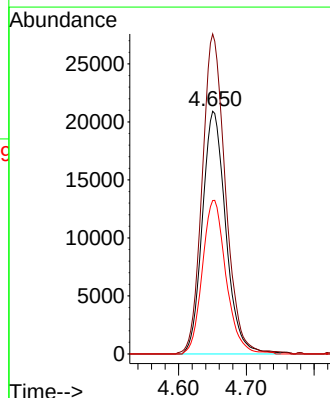
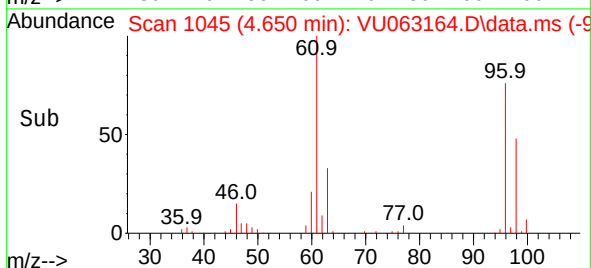
Tgt Ion: 96 Resp: 1479
Ion Ratio Lower Upper
96 100
61 155.6 99.2 184.2
98 55.4 43.2 80.2

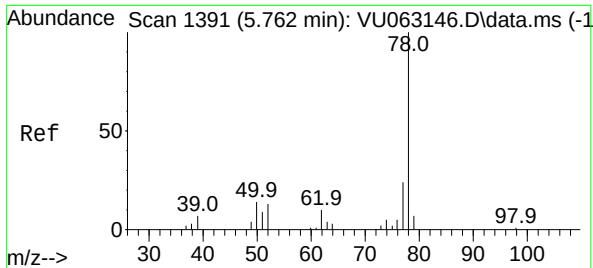


#22
cis-1,2-Dichloroethene
Concen: 8.088 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. -0.003 min
Lab File: VU063164.D
Acq: 05 Feb 2025 17:06



Tgt Ion: 96 Resp: 50163
Ion Ratio Lower Upper
96 100
61 131.8 91.8 170.6
98 63.2 44.4 82.4

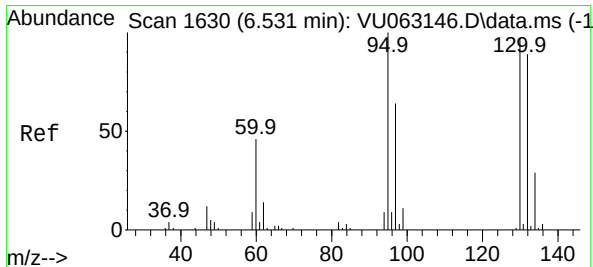
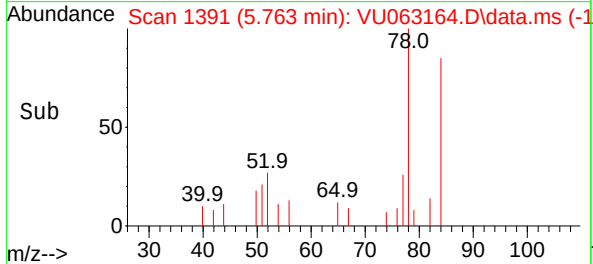
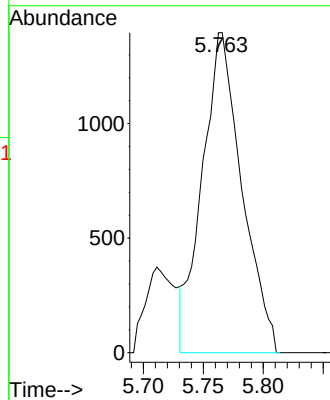
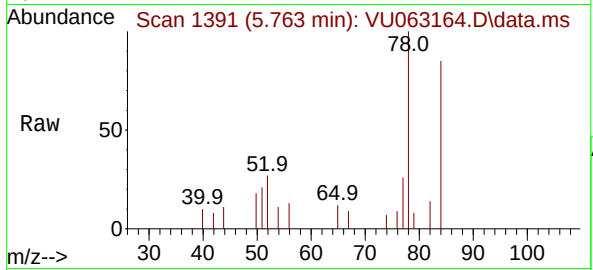




#33
Benzene
Concen: 0.124 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063164.D
Acq: 05 Feb 2025 17:06

Instrument :
MSVOA_U
ClientSampleId :

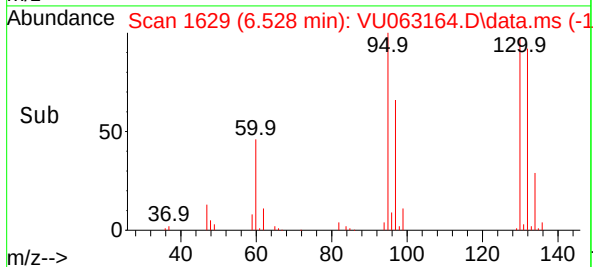
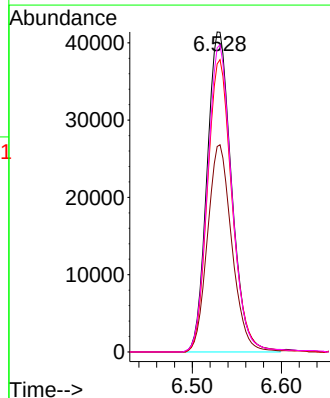
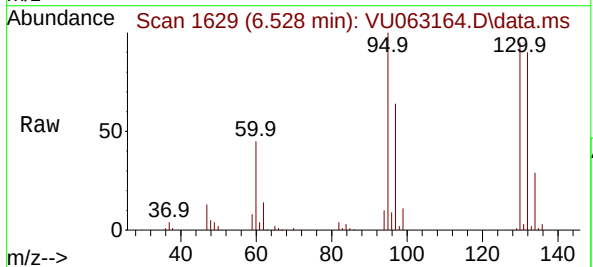
Tgt Ion: 78 Resp: 3218

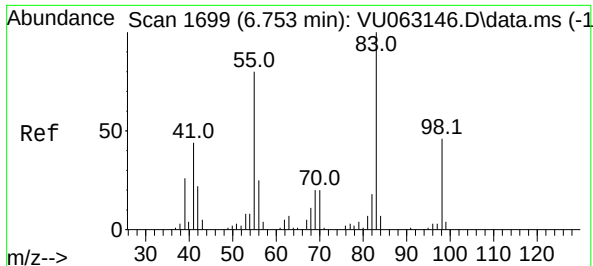


#34
Trichloroethene
Concen: 11.998 ug/L
RT: 6.528 min Scan# 1629
Delta R.T. -0.003 min
Lab File: VU063164.D
Acq: 05 Feb 2025 17:06

Tgt Ion: 95 Resp: 79155

Ion	Ratio	Lower	Upper
95	100		
97	64.2	46.7	86.7
132	90.0	62.4	115.8
130	95.1	67.3	124.9





#35

Methylcyclohexane

Concen: 0.766 ug/L

RT: 6.679 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU063164.D

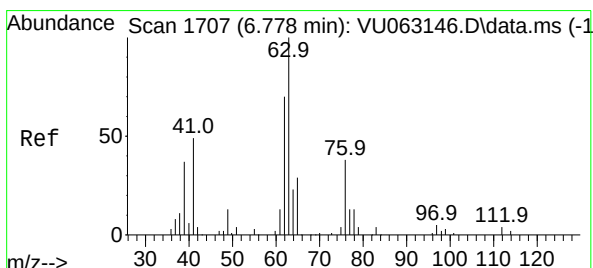
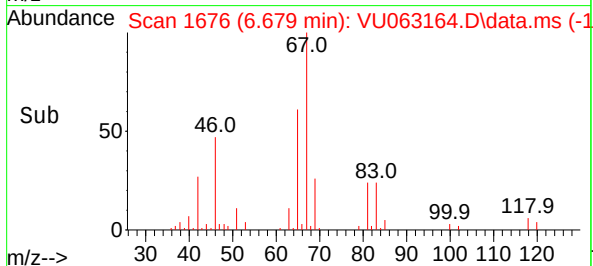
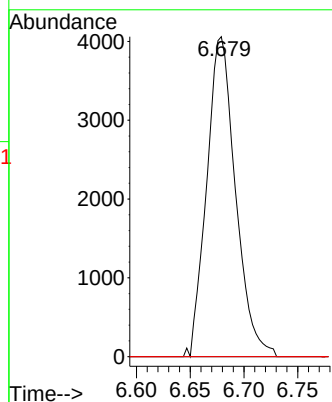
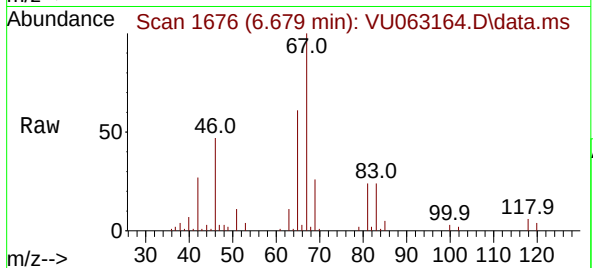
Acq: 05 Feb 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 7574
Ion Ratio	Lower Upper
83 100	
55 0.0	62.8 94.2#
98 0.0	36.0 54.0#



#37

1,2-Dichloropropane

Concen: 0.517 ug/L

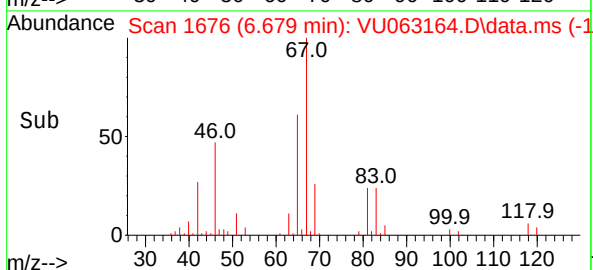
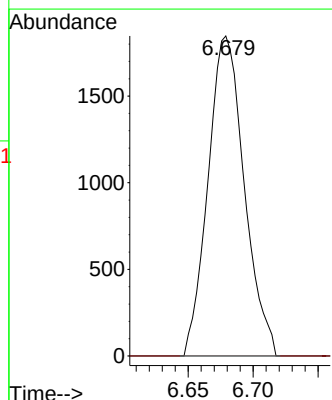
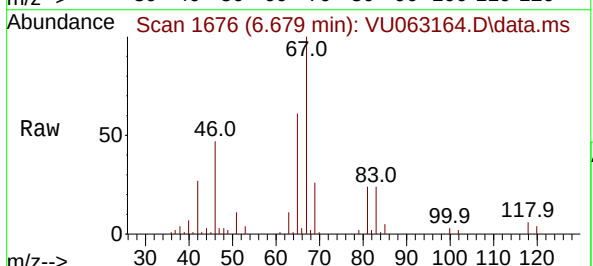
RT: 6.679 min Scan# 1676

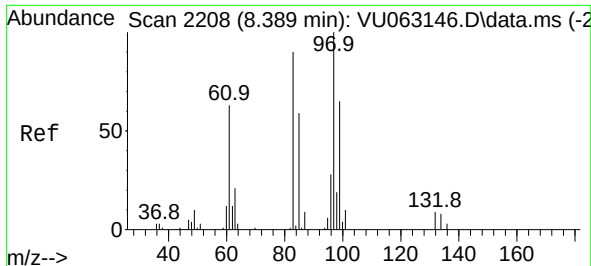
Delta R.T. -0.099 min

Lab File: VU063164.D

Acq: 05 Feb 2025 17:06

Tgt Ion: 63	Resp: 3585
Ion Ratio	Lower Upper
63 100	
112 0.0	2.6 4.0#





#45

1,1,2-Trichloroethane

Concen: 0.710 ug/L

RT: 8.541 min Scan# 2208

Delta R.T. 0.151 min

Lab File: VU063164.D

Acq: 05 Feb 2025 17:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 3632

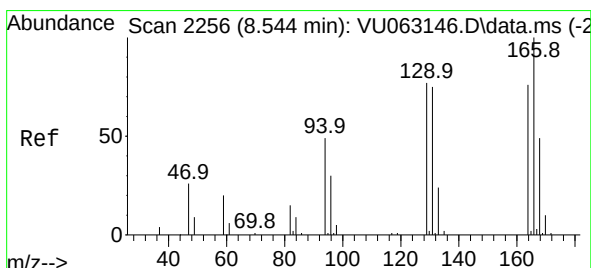
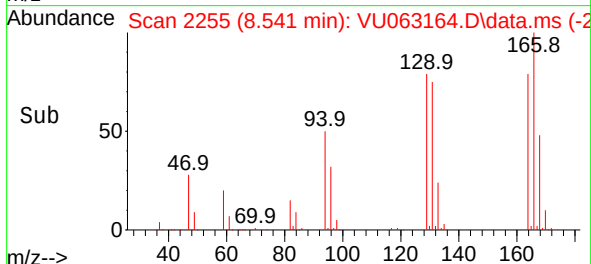
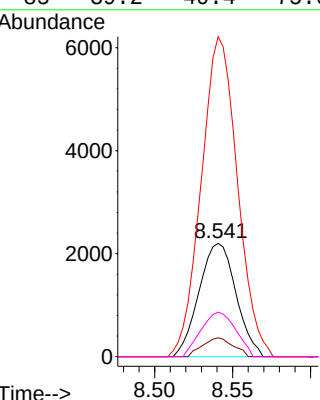
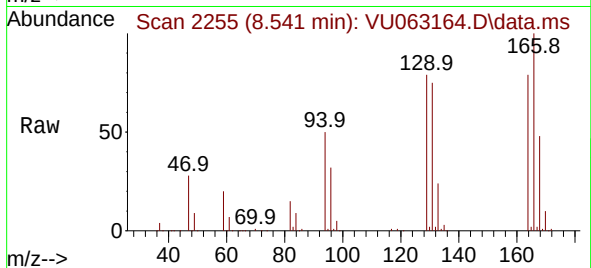
Ion Ratio Lower Upper

97 100

99 16.6 42.2 78.4#

83 282.3 62.9 116.9#

85 39.2 40.4 75.0#



#47

Tetrachloroethene

Concen: 85.013 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU063164.D

Acq: 05 Feb 2025 17:06

Tgt Ion:164 Resp: 393907

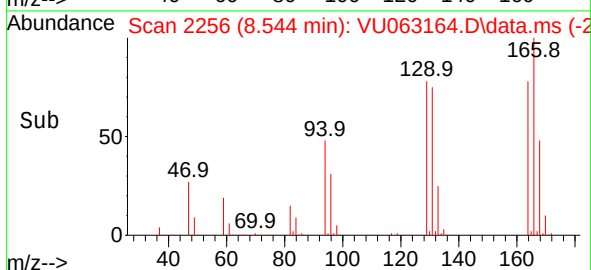
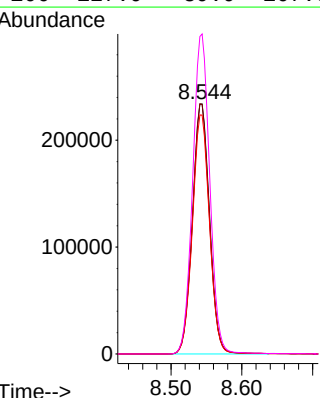
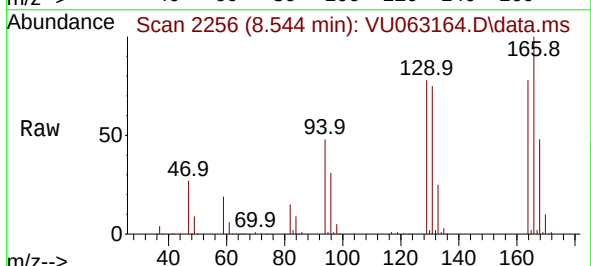
Ion Ratio Lower Upper

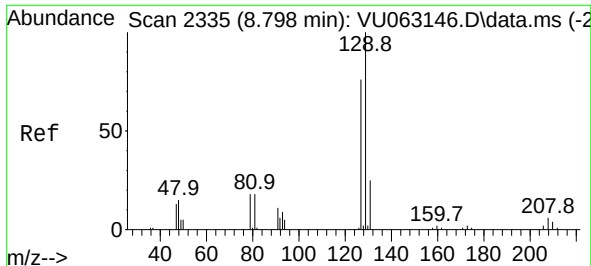
164 100

129 99.8 68.6 127.4

131 95.5 66.5 123.5

166 127.9 89.9 167.0





#49

Dibromochloromethane

Concen: 71.796 ug/L

RT: 8.541 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU063164.D

Acq: 05 Feb 2025 17:06

Instrument :

MSVOA_U

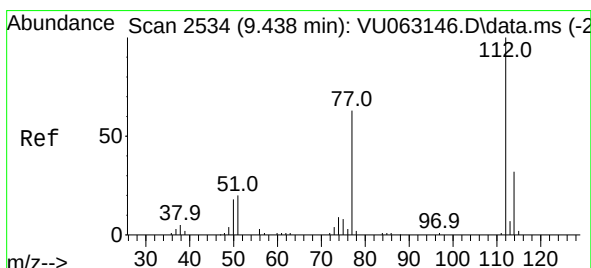
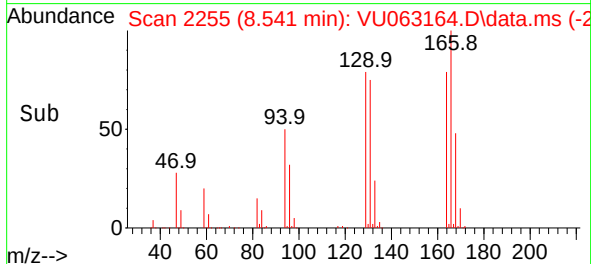
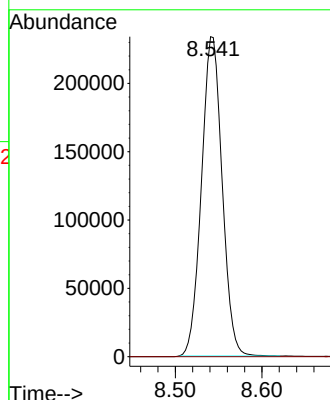
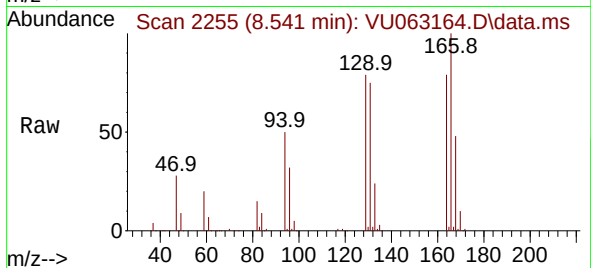
ClientSampleId :

Tgt Ion:129 Resp: 386683

Ion Ratio Lower Upper

129 100

127 0.0 53.8 99.8#



#51

Chlorobenzene

Concen: 0.371 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU063164.D

Acq: 05 Feb 2025 17:06

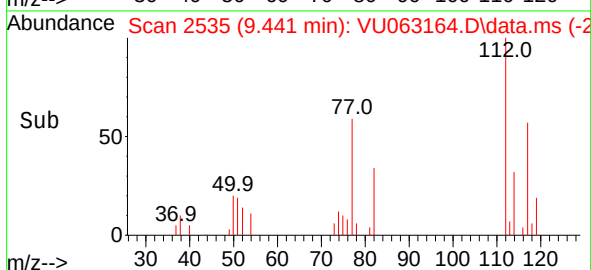
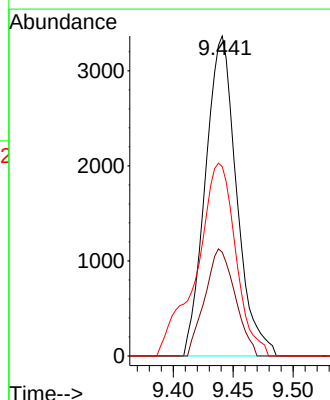
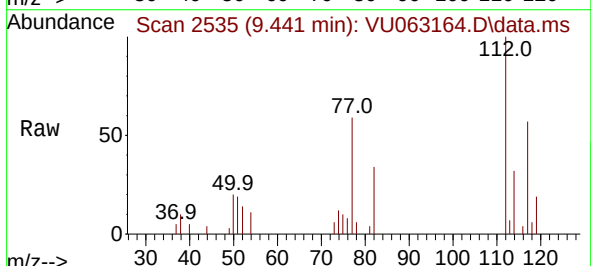
Tgt Ion:112 Resp: 6073

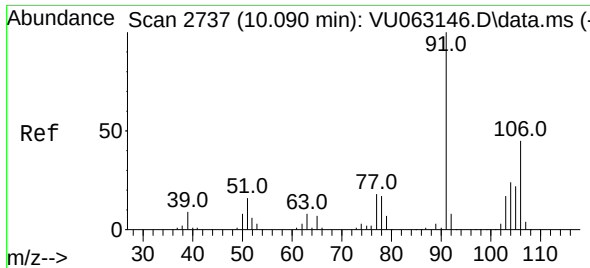
Ion Ratio Lower Upper

112 100

114 32.4 22.6 42.0

77 59.2 50.8 76.2

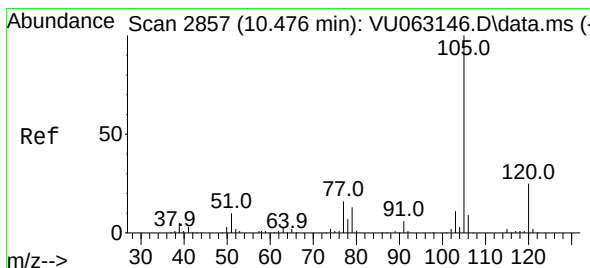
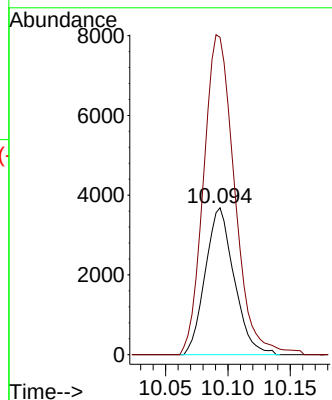
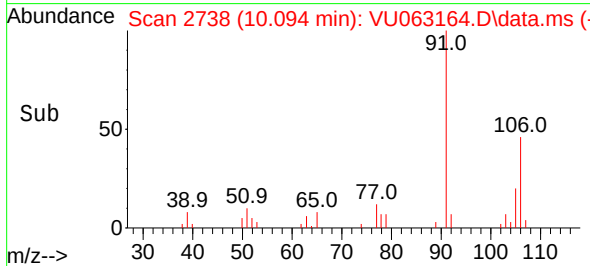
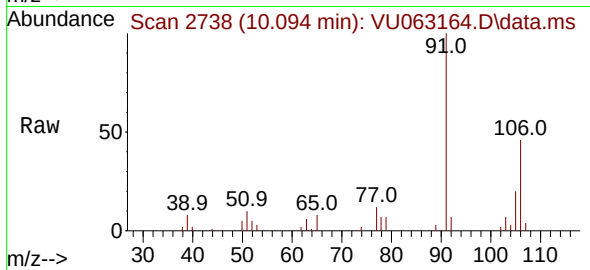




#54
o-Xylene
Concen: 0.585 ug/L
RT: 10.094 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063164.D
Acq: 05 Feb 2025 17:06

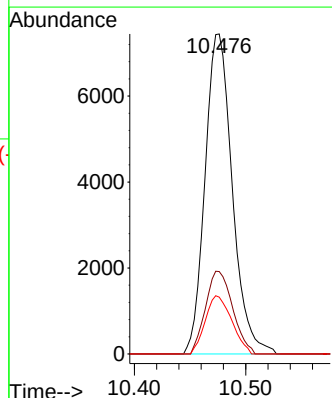
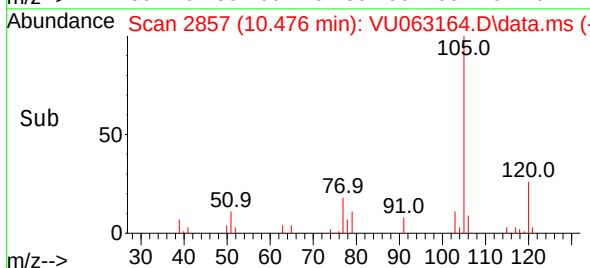
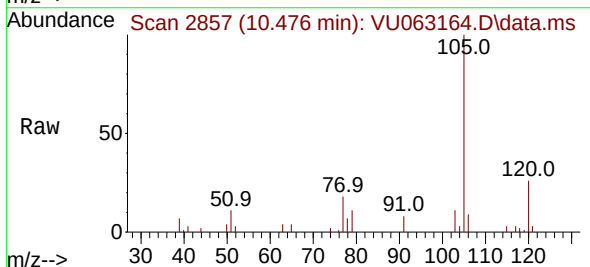
Instrument :
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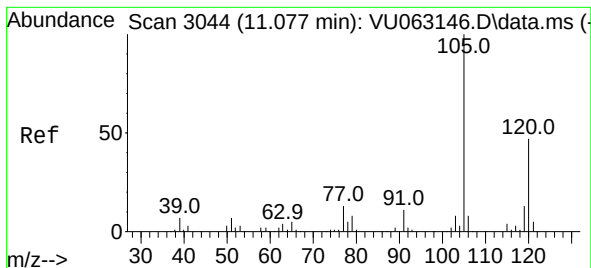
Tgt Ion:106 Resp: 5943
Ion Ratio Lower Upper
106 100
91 215.9 155.4 288.6



#60
Isopropylbenzene
Concen: 0.519 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU063164.D
Acq: 05 Feb 2025 17:06

Tgt Ion:105 Resp: 12659
Ion Ratio Lower Upper
105 100
120 25.7 20.8 31.2
77 17.6 13.3 19.9





#62

1,3,5-Trimethylbenzene

Concen: 1.304 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.383 min

Lab File: VU063164.D

Acq: 05 Feb 2025 17:06

Instrument :

MSVOA_U

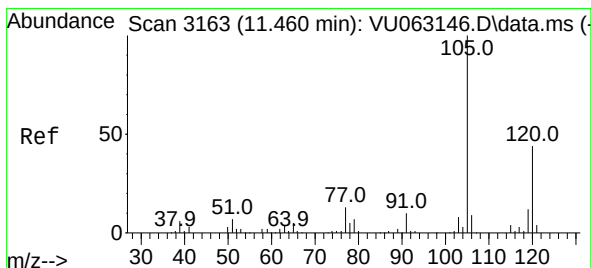
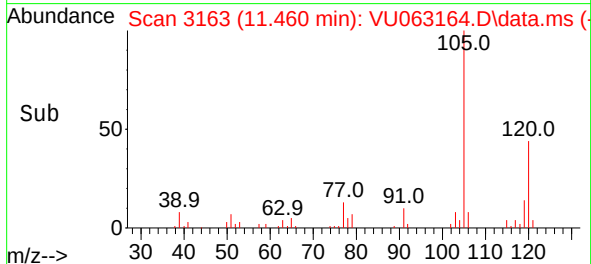
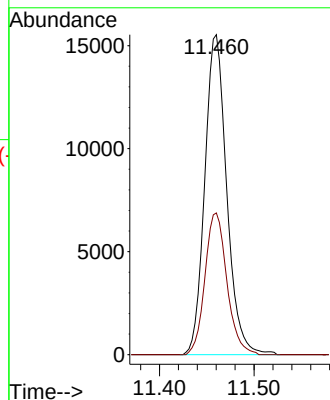
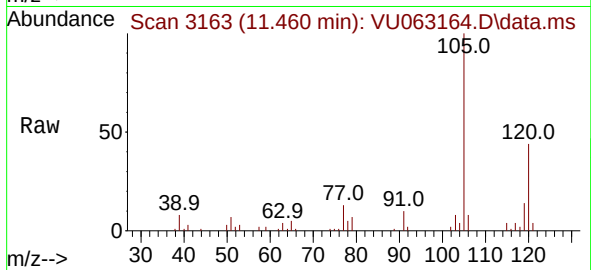
ClientSampleId :

Tgt Ion:105 Resp: 25064

Ion Ratio Lower Upper

105 100

120 44.3 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 1.356 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU063164.D

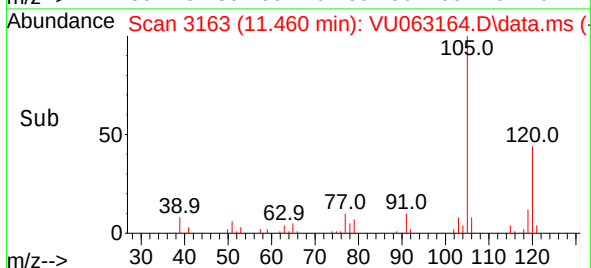
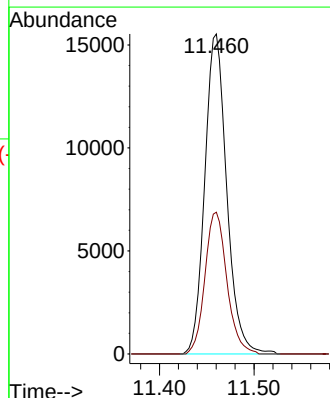
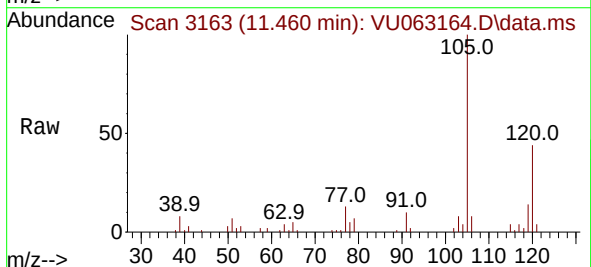
Acq: 05 Feb 2025 17:06

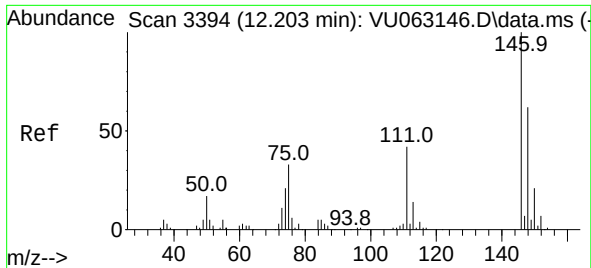
Tgt Ion:105 Resp: 25064

Ion Ratio Lower Upper

105 100

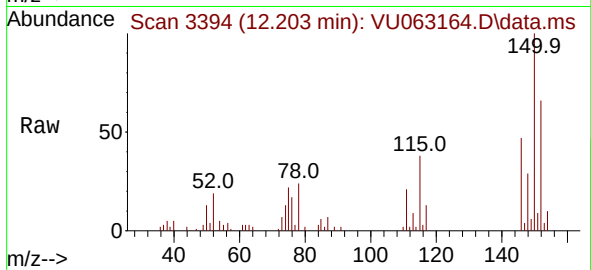
120 44.3 34.7 52.1





#67
 1,2-Dichlorobenzene
 Concen: 0.568 ug/L
 RT: 12.203 min Scan# 3394
 Delta R.T. 0.000 min
 Lab File: VU063164.D
 Acq: 05 Feb 2025 17:06

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:146 Resp: 5862
 Ion Ratio Lower Upper
 146 100
 111 44.0 34.1 51.1
 148 62.1 52.5 78.7

