

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
 Data File : VU063050.D
 Acq On : 28 Jan 2025 06:07
 Operator : MD/SY
 Sample : Q1195-15
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 29 08:20:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 29 08:16:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.232	114	130095	5.000	ug/L	# 0.00
28) Chlorobenzene-d5	9.405	117	96544	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	60864	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	24676	5.276	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.600%
7) Chloroethane-d5	1.901	69	16521	4.653	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.000%
11) 1,1-Dichloroethene-d2	2.554	65	14987	5.359	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.200%
20) 2-Butanone-d5	4.637	46	50163	36.957	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.920%
24) Chloroform-d	5.049	84	81840	4.405	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
26) 1,2-Dichloroethane-d4	5.689	65	69131	6.519	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	130.400%#
32) Benzene-d6	5.711	84	215187	9.754	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	195.000%#
36) 1,2-Dichloropropane-d6	6.679	67	60609	10.789	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	215.800%#
41) Toluene-d8	7.888	98	189728	8.698	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	174.000%#
43) trans-1,3-Dichloroprop...	8.171	79	19121	5.498	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.000%
46) 2-Hexanone-d5	8.624	63	41853	48.234	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.460%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	24393	4.573	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.183	152	46560	4.274	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.464	50	71935	12.833	ug/L	# 42
8) Chloroethane	1.837	64	8503	2.691	ug/L	# 52
13) Acetone	2.669	43	67253	76.628	ug/L	89
14) Carbon disulfide	2.779	76	338323	19.541	ug/L	99
15) Methyl Acetate	2.946	43	38275	22.708	ug/L	90
16) Methylene chloride	3.029	84	12290	1.725	ug/L	78
19) 1,1-Dichloroethane	3.853	63	116839	9.320	ug/L	98
21) 2-Butanone	4.734	43	4827	4.032	ug/L	85
30) Cyclohexane	5.370	56	1266	0.182	ug/L	86
33) Benzene	5.762	78	103931	4.443	ug/L	100
35) Methylcyclohexane	6.746	83	2790	0.279	ug/L	# 84
37) 1,2-Dichloropropane	6.782	63	1177	0.224	ug/L	# 85
39) cis-1,3-Dichloropropene	7.553	75	2276	0.230	ug/L	# 62
40) 4-Methyl-2-pentanone	7.782	43	35252	13.891	ug/L	92
42) Toluene	7.959	91	1361528	48.974	ug/L	100
45) 1,1,2-Trichloroethane	8.415	97	821	0.166	ug/L	# 1
49) Dibromochloromethane	8.540	129	1468	0.190	ug/L	# 12
52) Ethylbenzene	9.557	91	312456	9.643	ug/L	99
53) m,p-Xylene	9.679	106	398093	31.816	ug/L	96

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 29 08:16:38 2025
Response via : Initial Calibration

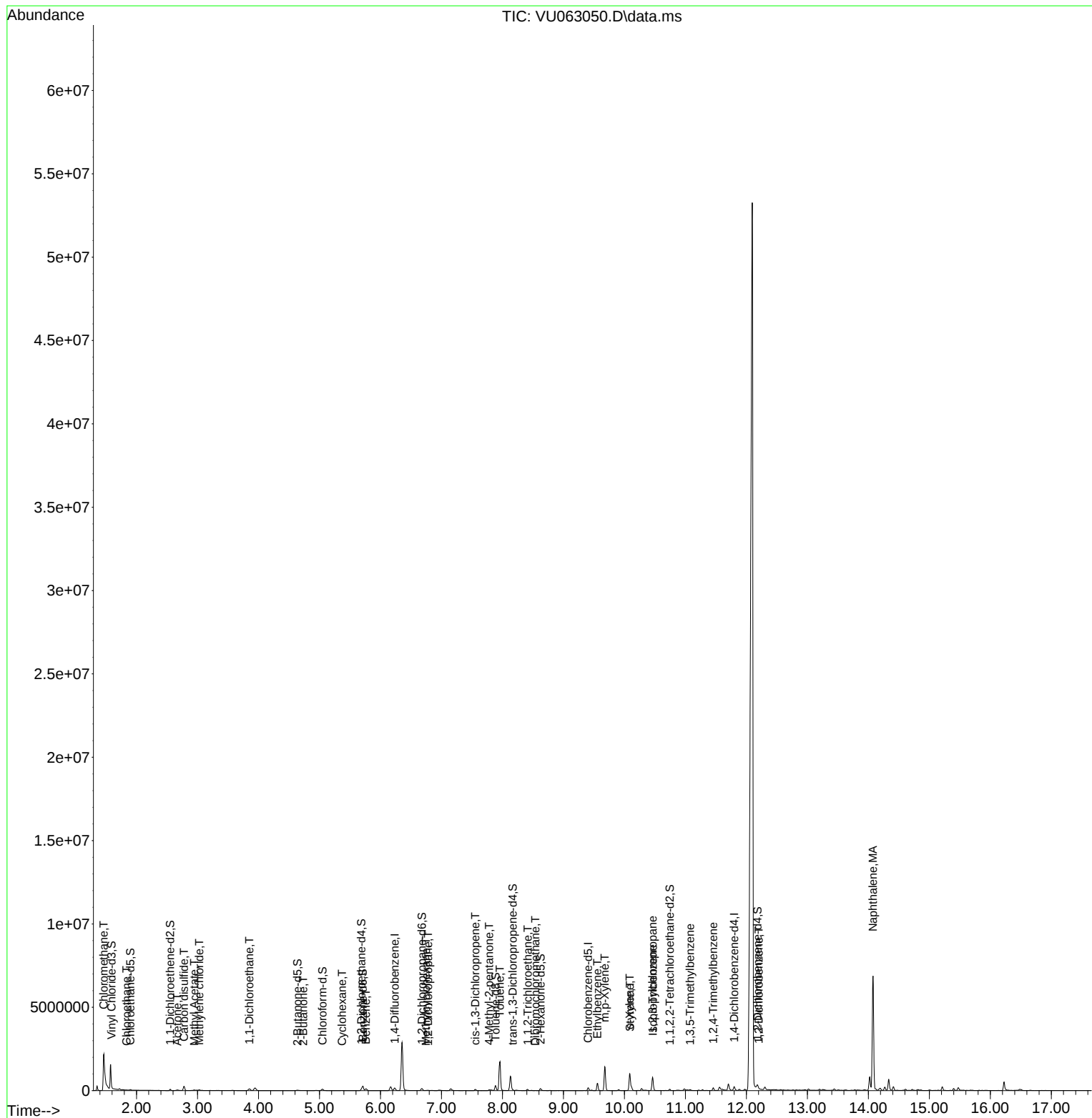
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.087	106	266441	23.243	ug/L	99
55) Styrene	10.093	104	24013	1.239	ug/L #	1
60) Isopropylbenzene	10.470	105	12522	0.325	ug/L #	9
61) 1,2,3-Trichloropropane	10.463	75	196860	40.192	ug/L #	42
62) 1,3,5-Trimethylbenzene	11.077	105	30368	0.898	ug/L	98
63) 1,2,4-Trimethylbenzene	11.457	105	86622	2.709	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	2314	0.126	ug/L #	91
71) Naphthalene	14.077	128	5548690	353.222	ug/L	99

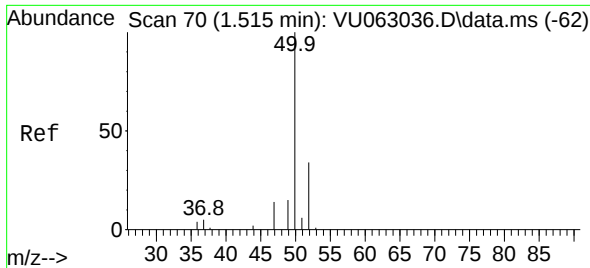
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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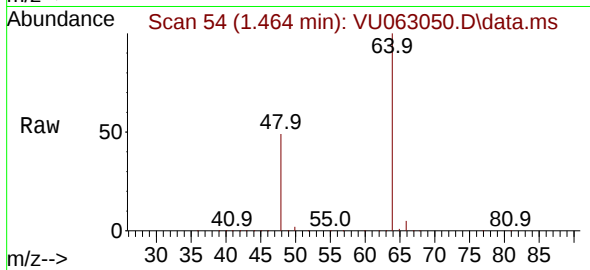
Quant Time: Jan 29 08:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
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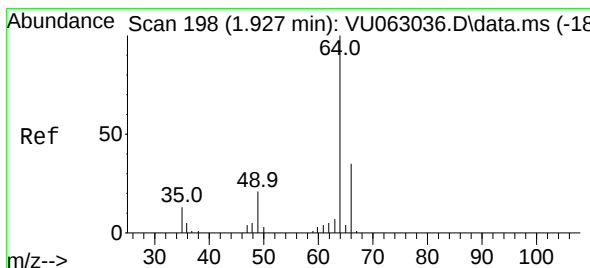
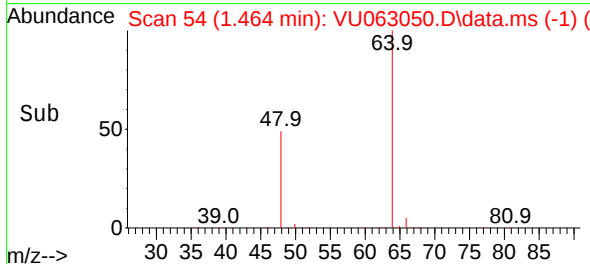
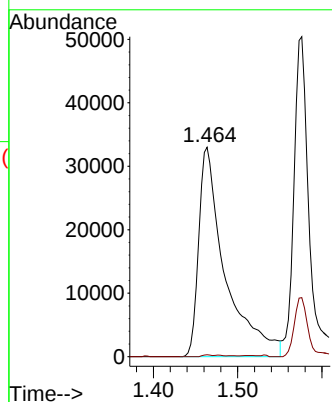


#3
Chloromethane
Concen: 12.833 ug/L
RT: 1.464 min Scan# 54
Delta R.T. -0.052 min
Lab File: VU063050.D
Acq: 28 Jan 2025 06:07

Instrument :
MSVOA_U
ClientSampleId :

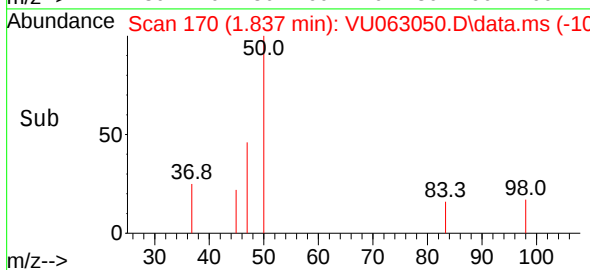
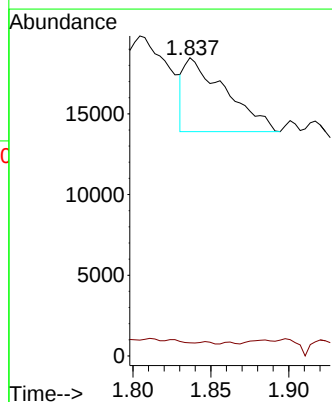
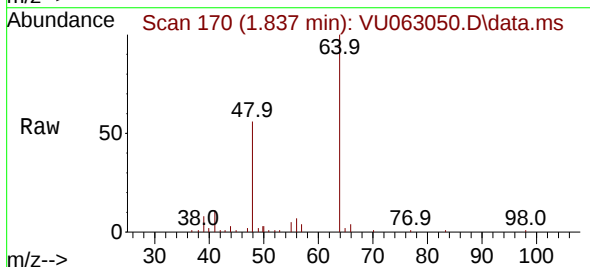


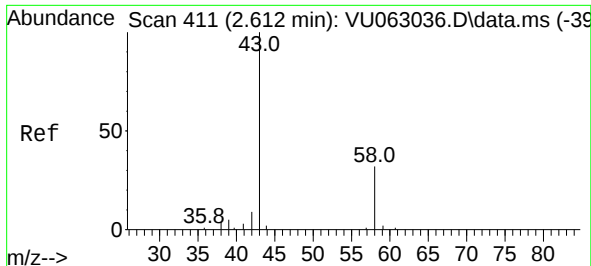
Tgt Ion: 50 Resp: 71935
Ion Ratio Lower Upper
50 100
52 0.9 24.1 44.7#



#8
Chloroethane
Concen: 2.691 ug/L
RT: 1.837 min Scan# 170
Delta R.T. -0.090 min
Lab File: VU063050.D
Acq: 28 Jan 2025 06:07

Tgt Ion: 64 Resp: 8503
Ion Ratio Lower Upper
64 100
66 4.4 21.6 40.2#





#13

Acetone

Concen: 76.628 ug/L

RT: 2.669 min Scan# 411

Delta R.T. 0.058 min

Lab File: VU063050.D

Acq: 28 Jan 2025 06:07

Instrument :

MSVOA_U

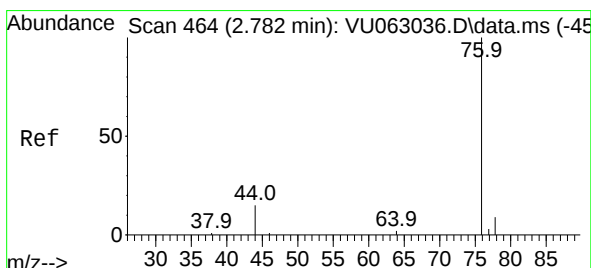
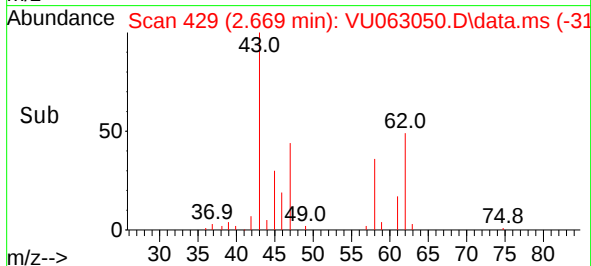
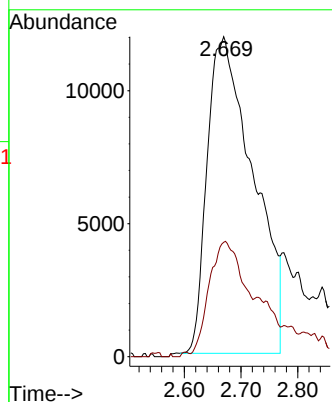
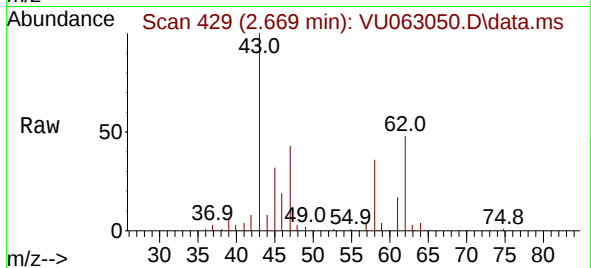
ClientSampleId :

Tgt Ion: 43 Resp: 67253

Ion Ratio Lower Upper

43 100

58 26.0 0.0 64.4



#14

Carbon disulfide

Concen: 19.541 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU063050.D

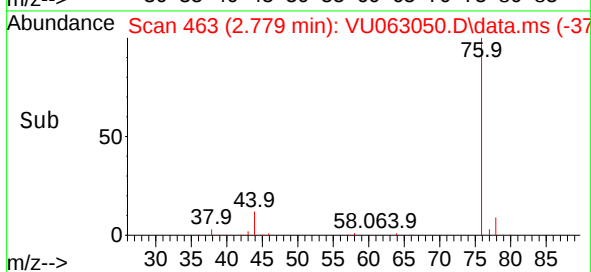
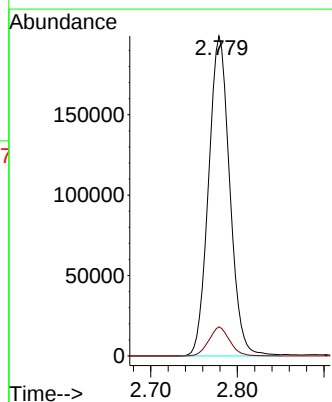
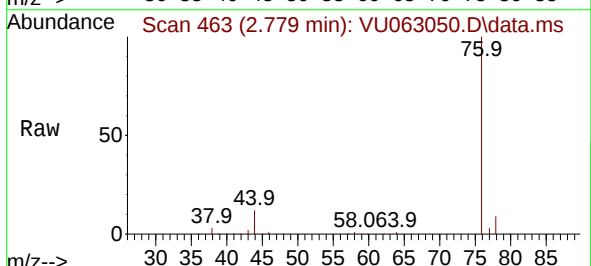
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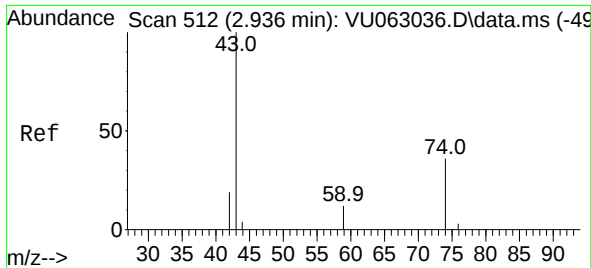
Tgt Ion: 76 Resp: 338323

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

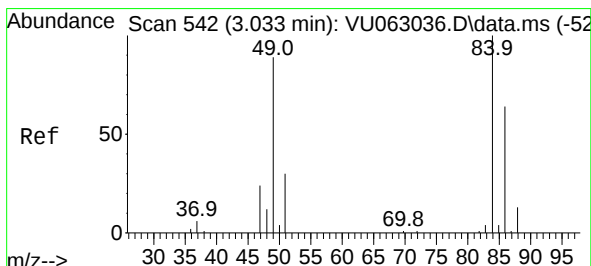
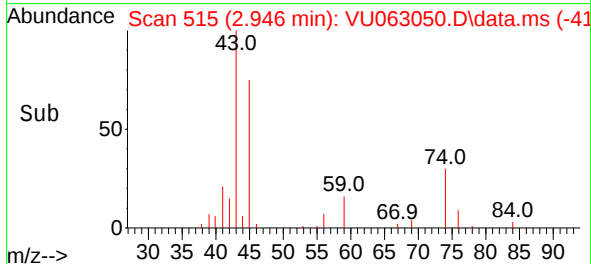
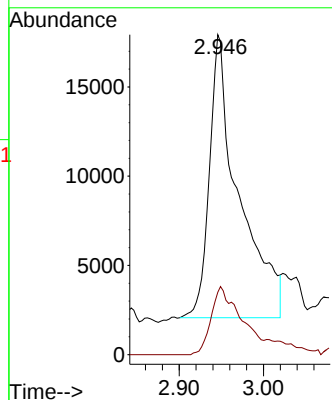
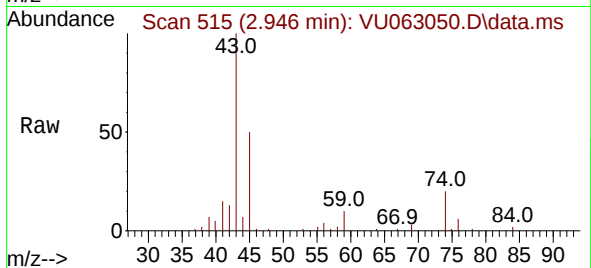




#15
Methyl Acetate
Concen: 22.708 ug/L
RT: 2.946 min Scan# 512
Delta R.T. 0.010 min
Lab File: VU063050.D
Acq: 28 Jan 2025 06:07

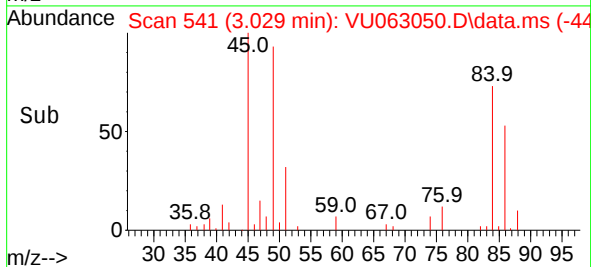
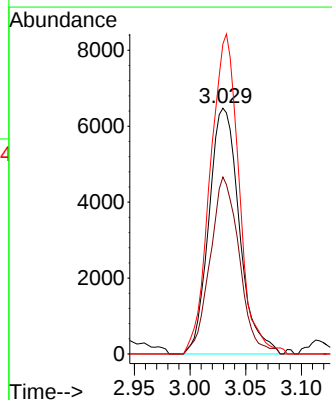
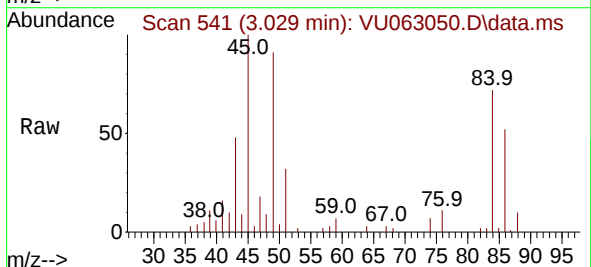
Instrument :
MSVOA_U
ClientSampleId :

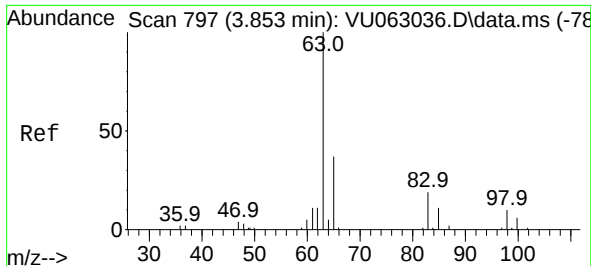
Tgt Ion: 43 Resp: 38275
Ion Ratio Lower Upper
43 100
74 24.8 24.4 36.6



#16
Methylene chloride
Concen: 1.725 ug/L
RT: 3.029 min Scan# 541
Delta R.T. -0.003 min
Lab File: VU063050.D
Acq: 28 Jan 2025 06:07

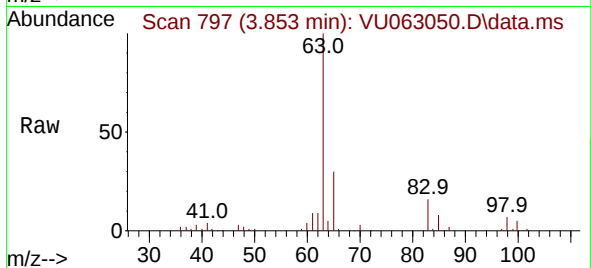
Tgt Ion: 84 Resp: 12290
Ion Ratio Lower Upper
84 100
86 72.0 44.7 83.1
49 126.2 68.3 126.9



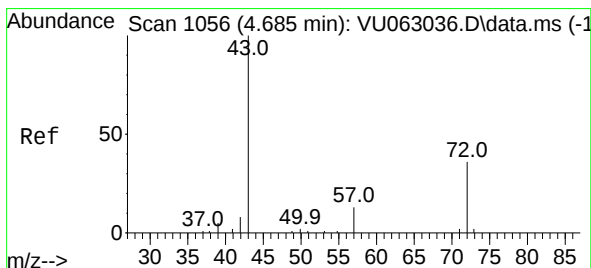
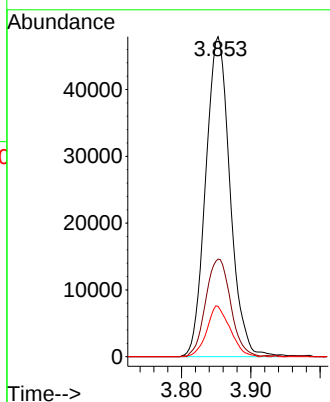
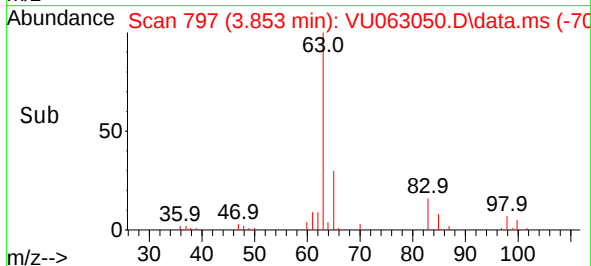


#19
1,1-Dichloroethane
Concen: 9.320 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.000 min
Lab File: VU063050.D
Acq: 28 Jan 2025 06:07

Instrument :
MSVOA_U
ClientSampleId :

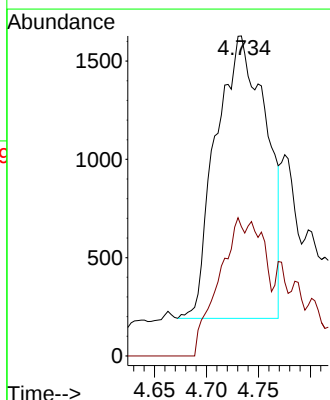
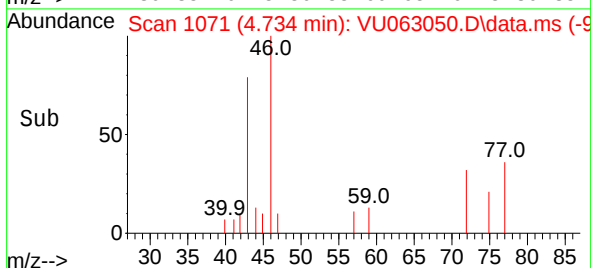
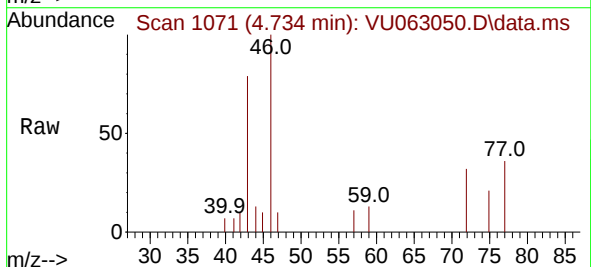


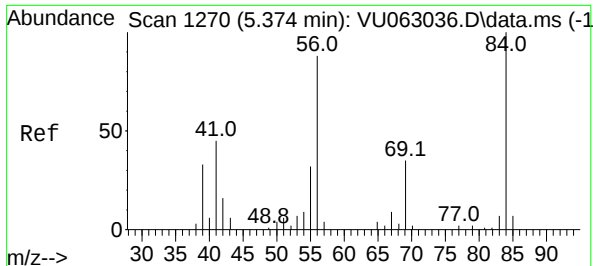
Tgt Ion: 63 Resp: 116839
Ion Ratio Lower Upper
63 100
65 30.5 20.7 38.5
83 15.7 10.5 19.5



#21
2-Butanone
Concen: 4.032 ug/L
RT: 4.734 min Scan# 1071
Delta R.T. 0.048 min
Lab File: VU063050.D
Acq: 28 Jan 2025 06:07

Tgt Ion: 43 Resp: 4827
Ion Ratio Lower Upper
43 100
72 25.5 17.1 51.2





#30

Cyclohexane

Concen: 0.182 ug/L

RT: 5.370 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VU063050.D

Acq: 28 Jan 2025 06:07

Instrument :

MSVOA_U

ClientSampleId :

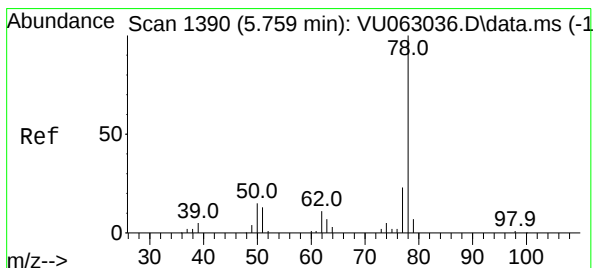
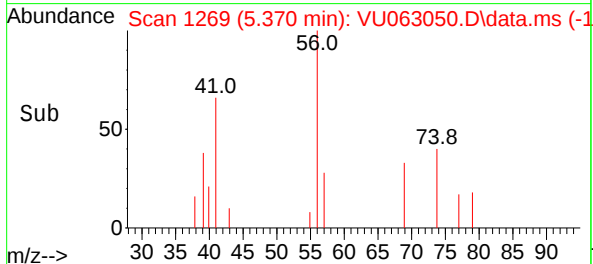
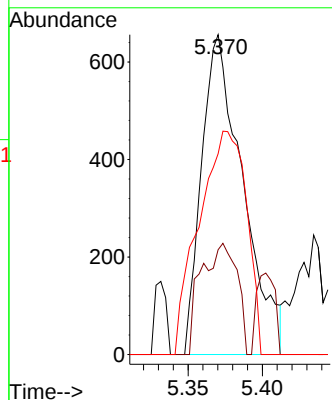
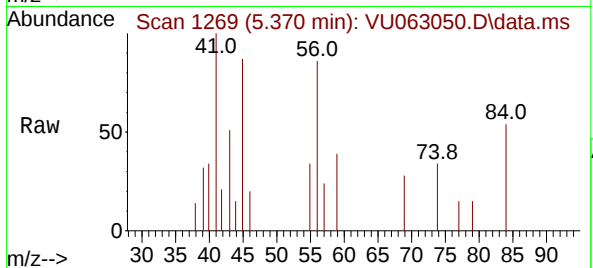
Tgt Ion: 56 Resp: 1266

Ion Ratio Lower Upper

56 100

69 30.4 28.3 42.5

84 80.6 76.5 114.7



#33

Benzene

Concen: 4.443 ug/L

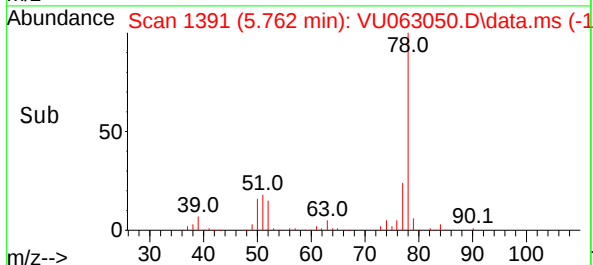
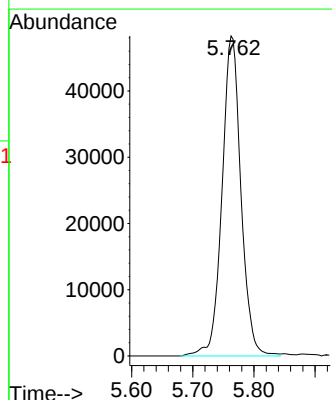
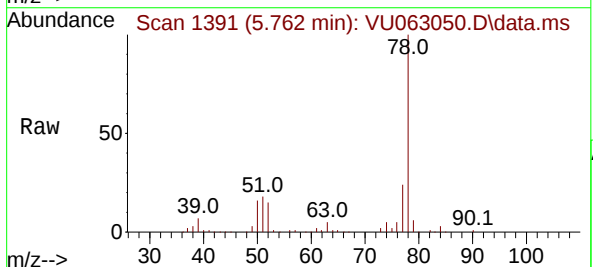
RT: 5.762 min Scan# 1391

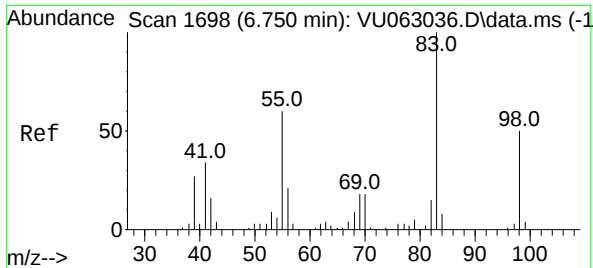
Delta R.T. 0.003 min

Lab File: VU063050.D

Acq: 28 Jan 2025 06:07

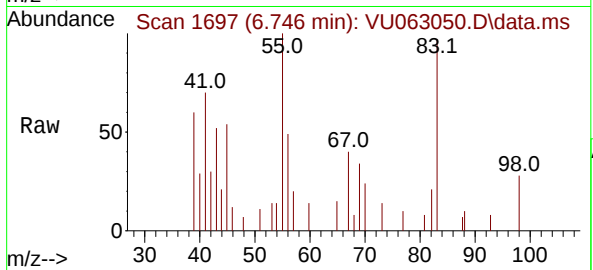
Tgt Ion: 78 Resp: 103931



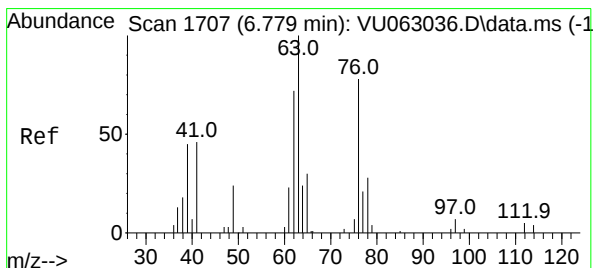
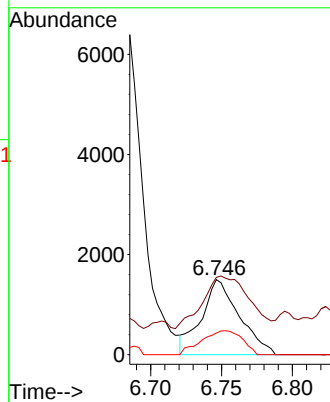
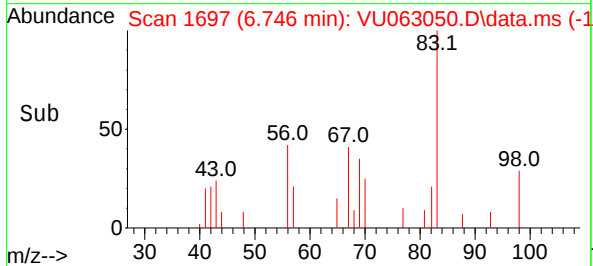


#35
Methylcyclohexane
Concen: 0.279 ug/L
RT: 6.746 min Scan# 1697
Delta R.T. -0.003 min
Lab File: VU063050.D
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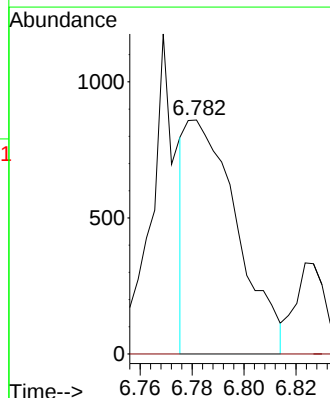
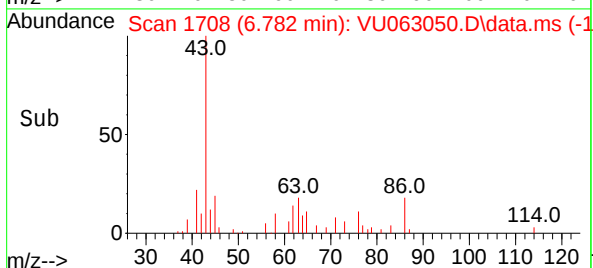
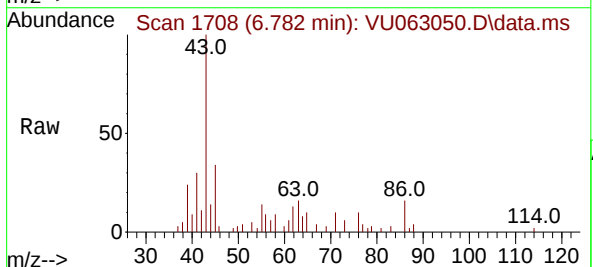


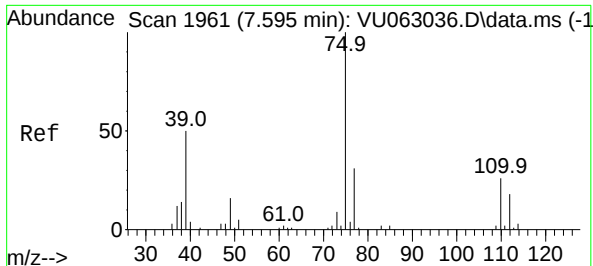
Tgt Ion: 83 Resp: 2790
Ion Ratio Lower Upper
83 100
55 83.7 57.2 85.8
98 34.3 36.6 55.0#



#37
1,2-Dichloropropane
Concen: 0.224 ug/L
RT: 6.782 min Scan# 1708
Delta R.T. 0.003 min
Lab File: VU063050.D
Acq: 28 Jan 2025 06:07

Tgt Ion: 63 Resp: 1177
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#

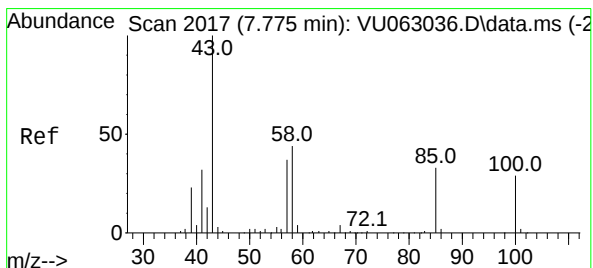
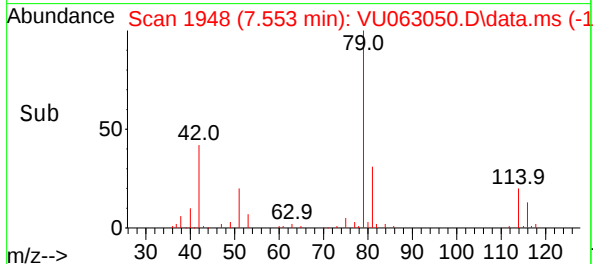
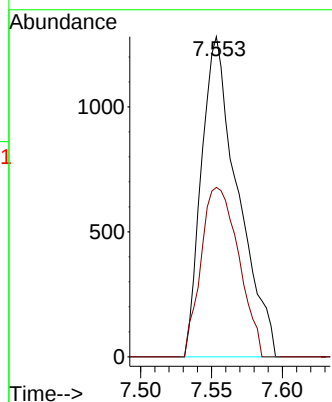
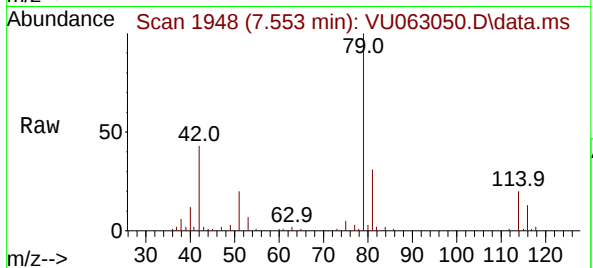




#39
 cis-1,3-Dichloropropene
 Concen: 0.230 ug/L
 RT: 7.553 min Scan# 1948
 Delta R.T. -0.042 min
 Lab File: VU063050.D
 Acq: 28 Jan 2025 06:07

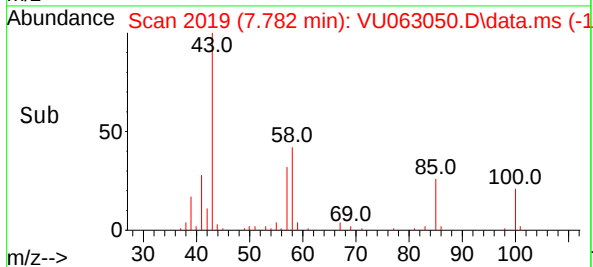
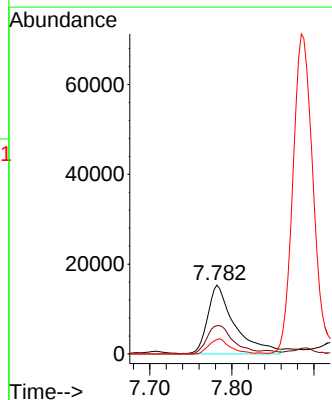
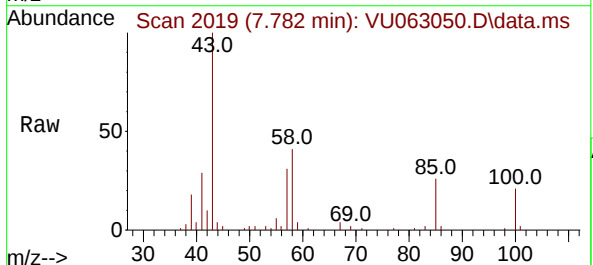
Instrument :
 MSVOA_U
 ClientSampleId :

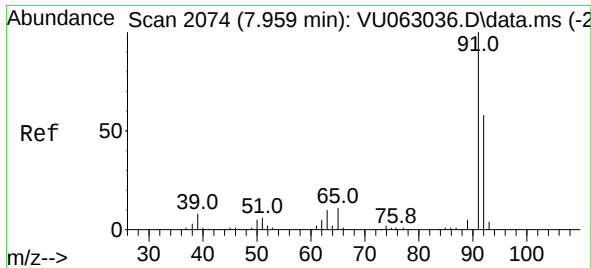
Tgt Ion: 75 Resp: 2276
 Ion Ratio Lower Upper
 75 100
 77 52.9 22.3 41.3#



#40
 4-Methyl-2-pentanone
 Concen: 13.891 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: VU063050.D
 Acq: 28 Jan 2025 06:07

Tgt Ion: 43 Resp: 35252
 Ion Ratio Lower Upper
 43 100
 58 39.9 35.8 53.8
 100 17.1 16.8 25.2

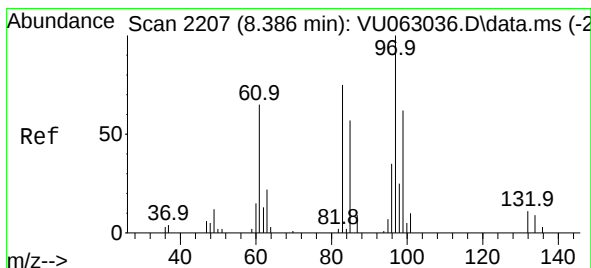
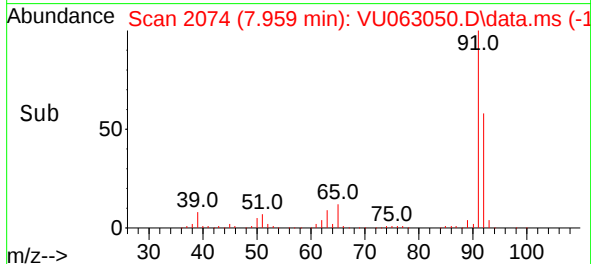
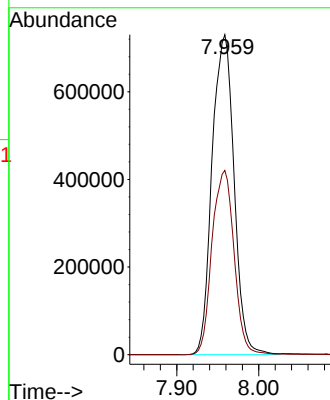
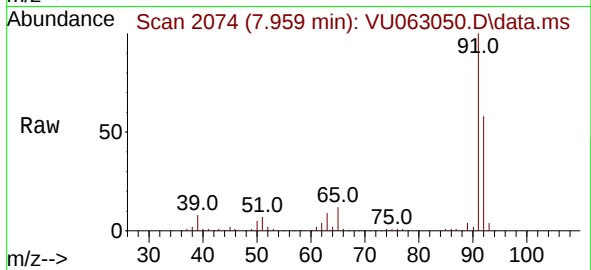




#42
Toluene
Concen: 48.974 ug/L
RT: 7.959 min Scan# 2074
Delta R.T. -0.000 min
Lab File: VU063050.D
Acq: 28 Jan 2025 06:07

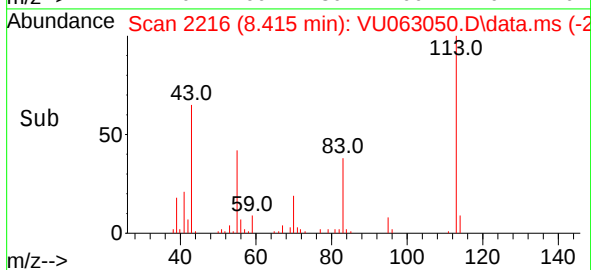
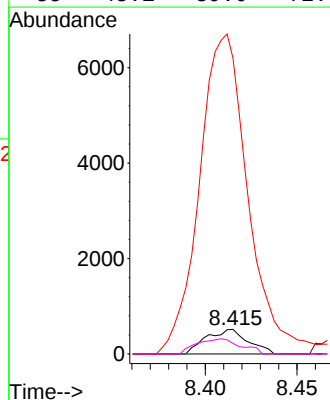
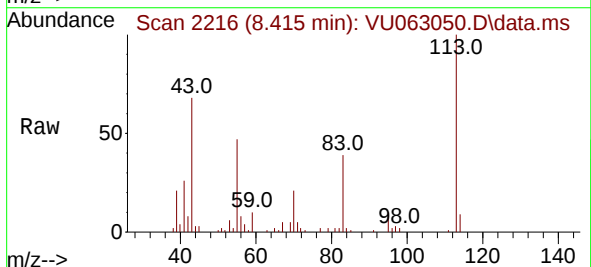
Instrument :
MSVOA_U
ClientSampleId :

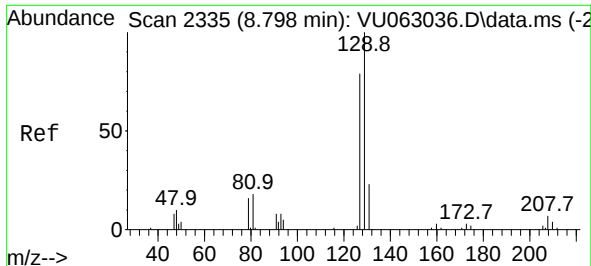
Tgt Ion: 91 Resp: 1361528
Ion Ratio Lower Upper
91 100
92 57.6 40.4 75.0



#45
1,1,2-Trichloroethane
Concen: 0.166 ug/L
RT: 8.415 min Scan# 2216
Delta R.T. 0.029 min
Lab File: VU063050.D
Acq: 28 Jan 2025 06:07

Tgt Ion: 97 Resp: 821
Ion Ratio Lower Upper
97 100
99 0.0 45.6 84.6#
83 1203.1 63.0 117.0#
85 43.1 39.0 72.4





#49

Dibromochloromethane

Concen: 0.190 ug/L

RT: 8.540 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU063050.D

Acq: 28 Jan 2025 06:07

Instrument :

MSVOA_U

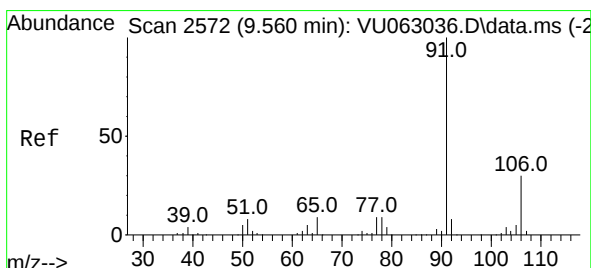
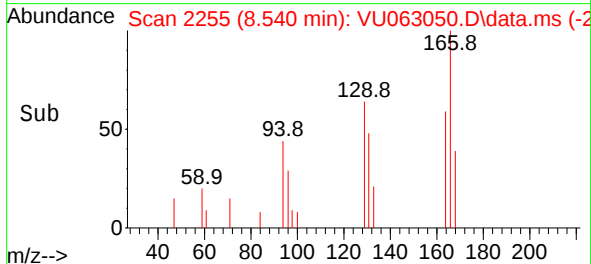
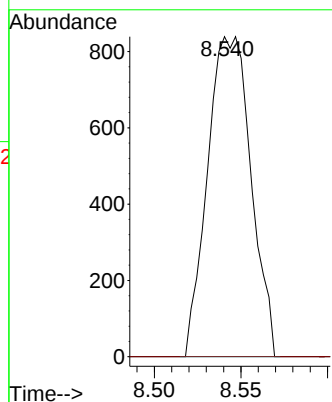
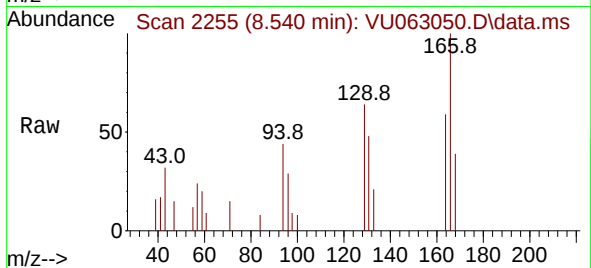
ClientSampleId :

Tgt Ion:129 Resp: 1468

Ion Ratio Lower Upper

129 100

127 0.0 52.1 96.9#



#52

Ethylbenzene

Concen: 9.643 ug/L

RT: 9.557 min Scan# 2571

Delta R.T. -0.003 min

Lab File: VU063050.D

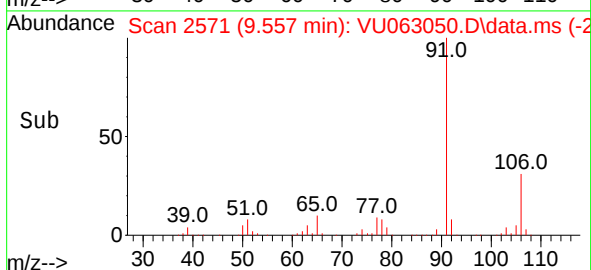
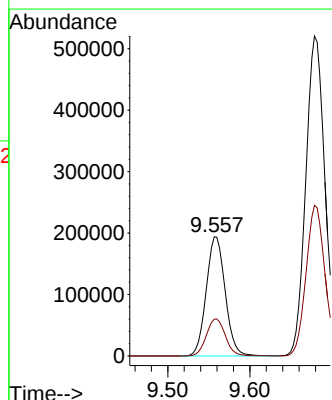
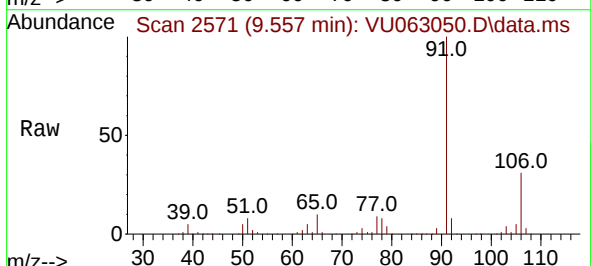
Acq: 28 Jan 2025 06:07

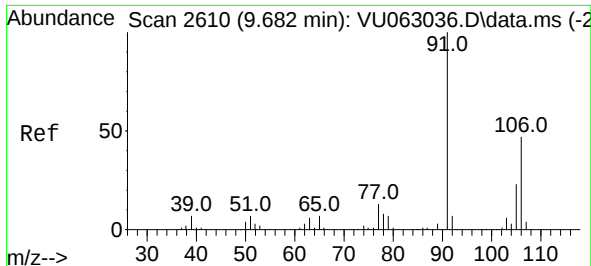
Tgt Ion: 91 Resp: 312456

Ion Ratio Lower Upper

91 100

106 30.9 21.9 40.7





#53

m,p-Xylene

Concen: 31.816 ug/L

RT: 9.679 min Scan# 2

Delta R.T. -0.003 min

Lab File: VU063050.D

Acq: 28 Jan 2025 06:07

Instrument :

MSVOA_U

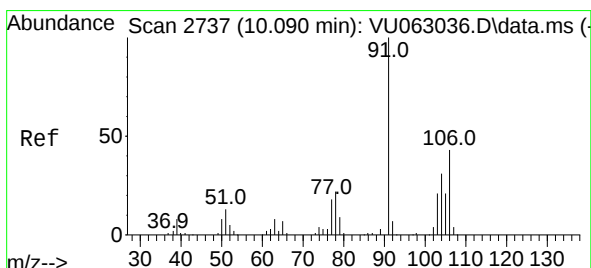
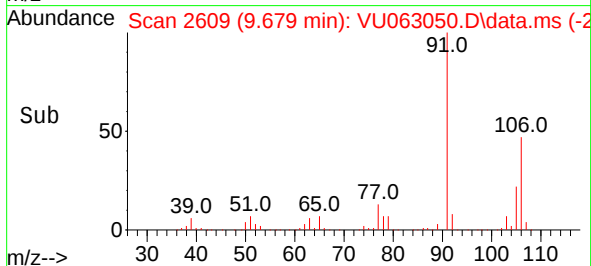
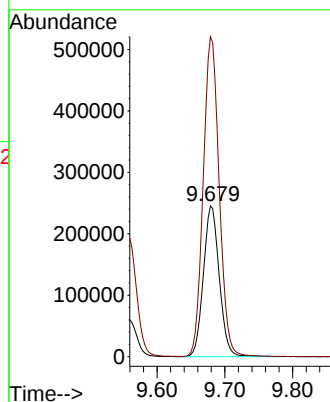
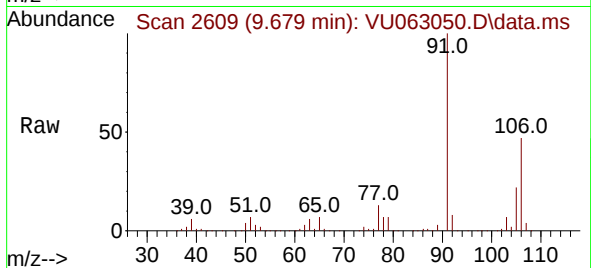
ClientSampleId :

Tgt Ion:106 Resp: 398093

Ion Ratio Lower Upper

106 100

91 212.2 153.1 284.3



#54

o-Xylene

Concen: 23.243 ug/L

RT: 10.087 min Scan# 2736

Delta R.T. -0.003 min

Lab File: VU063050.D

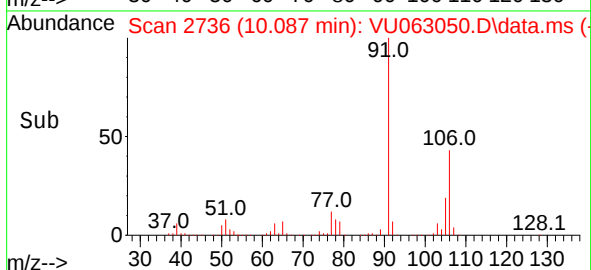
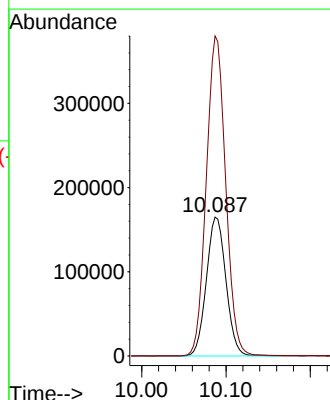
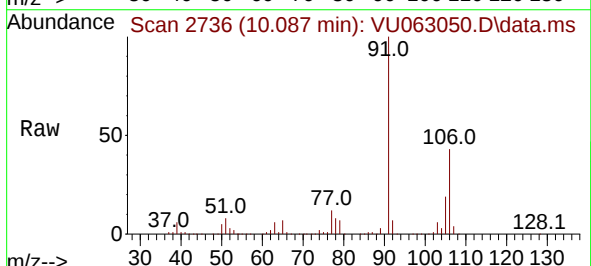
Acq: 28 Jan 2025 06:07

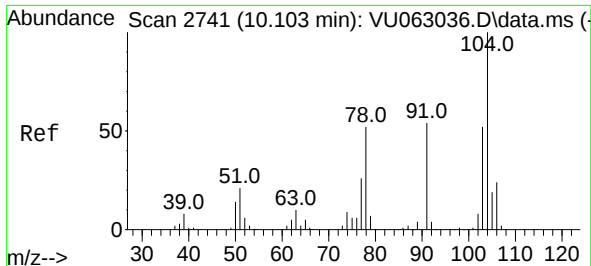
Tgt Ion:106 Resp: 266441

Ion Ratio Lower Upper

106 100

91 230.5 160.4 297.8





#55

Styrene

Concen: 1.239 ug/L

RT: 10.093 min Scan# 21

Delta R.T. -0.010 min

Lab File: VU063050.D

Acq: 28 Jan 2025 06:07

Instrument :

MSVOA_U

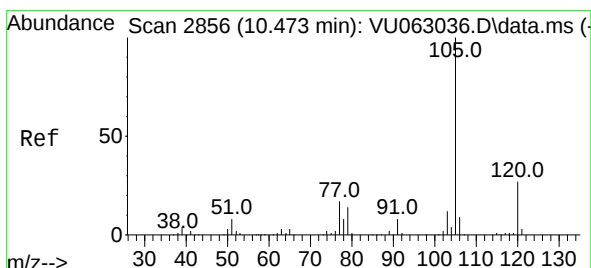
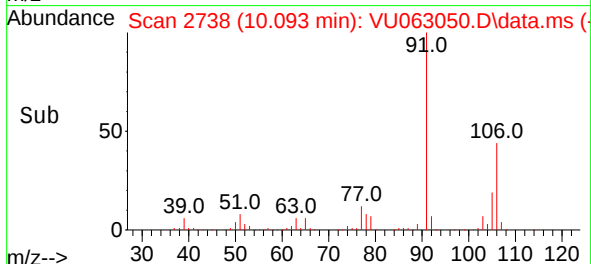
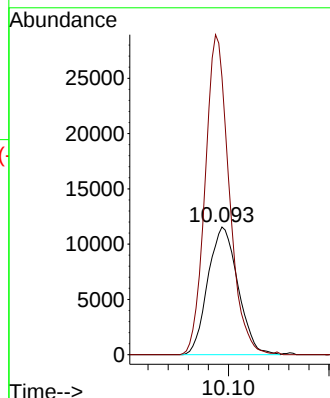
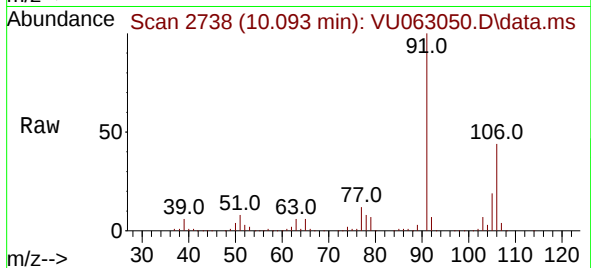
ClientSampleId :

Tgt Ion:104 Resp: 24013

Ion Ratio Lower Upper

104 100

78 217.4 35.5 65.9#



#60

Isopropylbenzene

Concen: 0.325 ug/L

RT: 10.470 min Scan# 2855

Delta R.T. -0.003 min

Lab File: VU063050.D

Acq: 28 Jan 2025 06:07

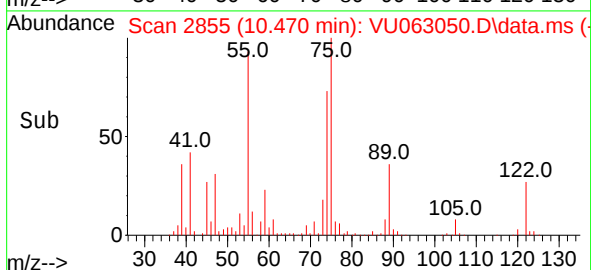
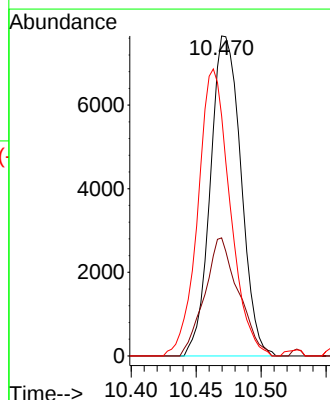
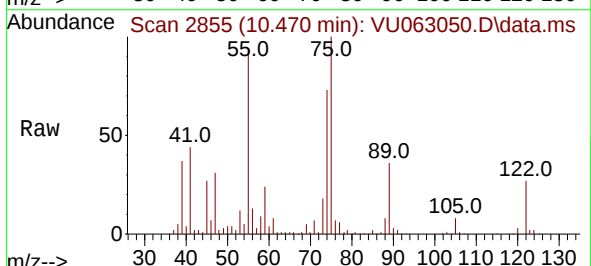
Tgt Ion:105 Resp: 12522

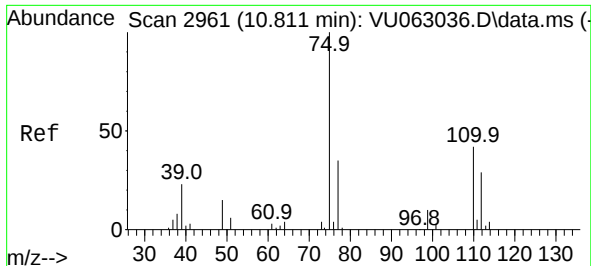
Ion Ratio Lower Upper

105 100

120 40.9 20.2 30.2#

77 94.3 13.0 19.4#

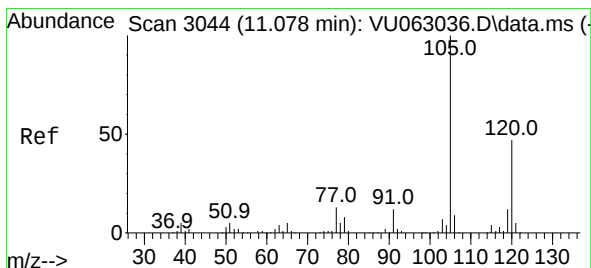
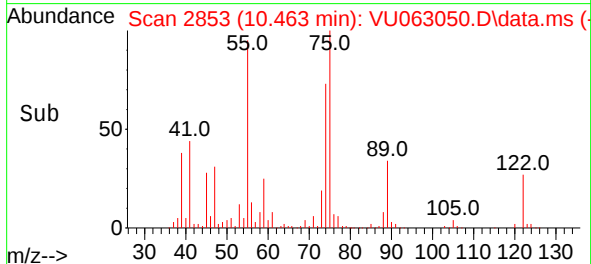
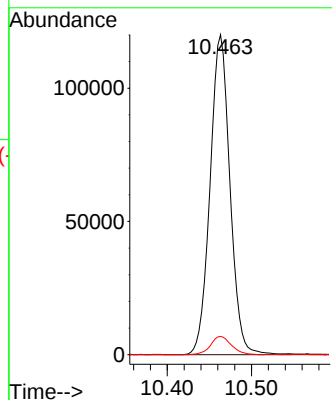
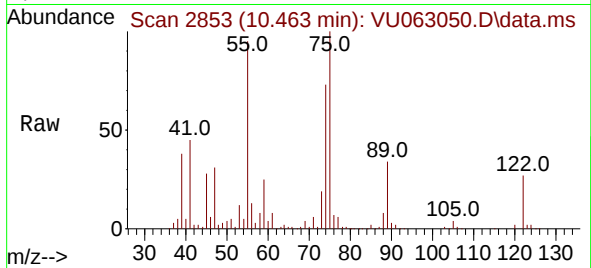




#61
 1,2,3-Trichloropropane
 Concen: 40.192 ug/L
 RT: 10.463 min Scan# 2853
 Delta R.T. -0.347 min
 Lab File: VU063050.D
 Acq: 28 Jan 2025 06:07

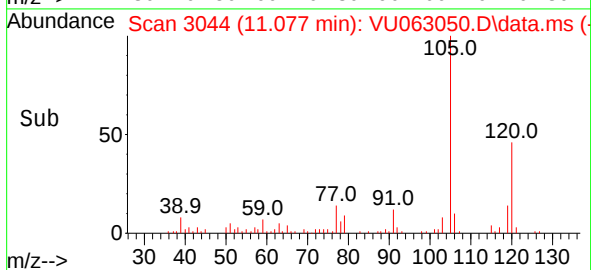
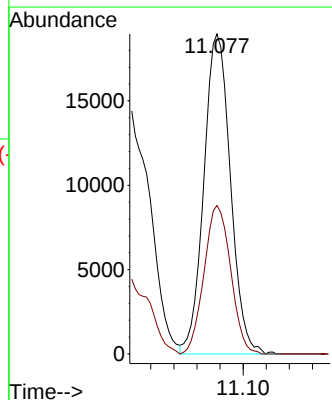
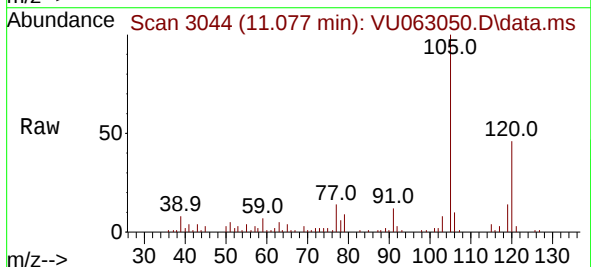
Instrument :
 MSVOA_U
 ClientSampleId :

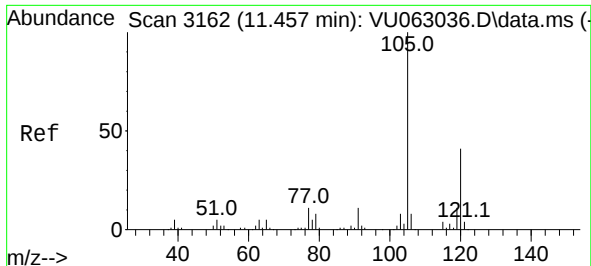
Tgt Ion: 75 Resp: 196860
 Ion Ratio Lower Upper
 75 100
 110 0.0 33.2 49.8#
 77 6.0 25.9 38.9#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.898 ug/L
 RT: 11.077 min Scan# 3044
 Delta R.T. -0.000 min
 Lab File: VU063050.D
 Acq: 28 Jan 2025 06:07

Tgt Ion:105 Resp: 30368
 Ion Ratio Lower Upper
 105 100
 120 46.4 35.9 53.9





#63

1,2,4-Trimethylbenzene

Concen: 2.709 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VU063050.D

Acq: 28 Jan 2025 06:07

Instrument :

MSVOA_U

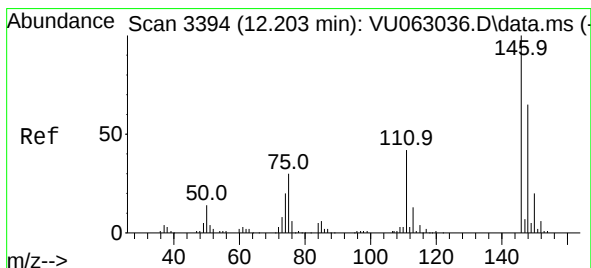
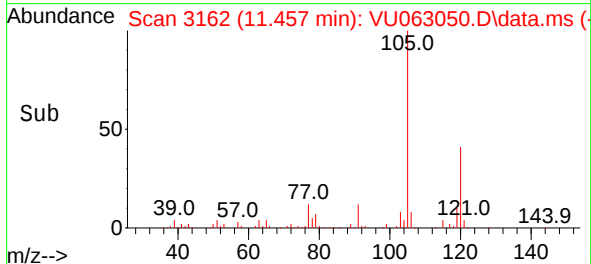
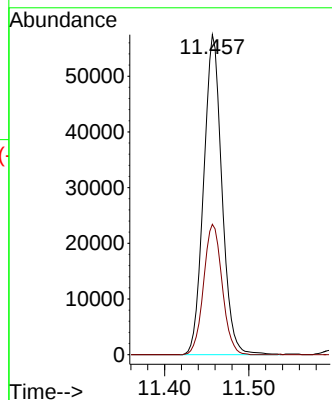
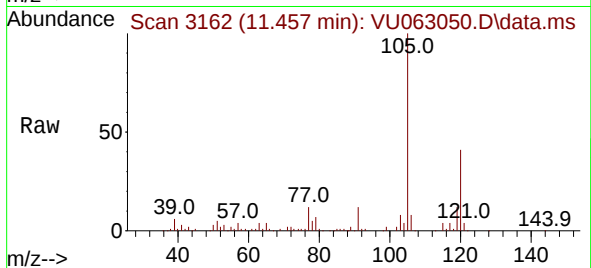
ClientSampleId :

Tgt Ion:105 Resp: 86622

Ion Ratio Lower Upper

105 100

120 41.4 34.2 51.2



#67

1,2-Dichlorobenzene

Concen: 0.126 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU063050.D

Acq: 28 Jan 2025 06:07

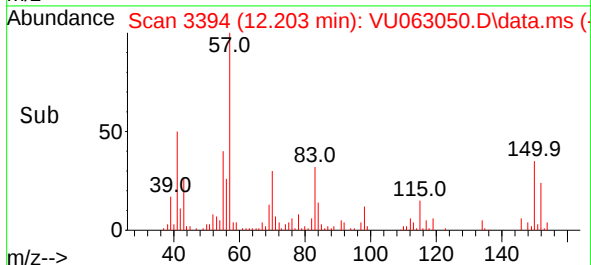
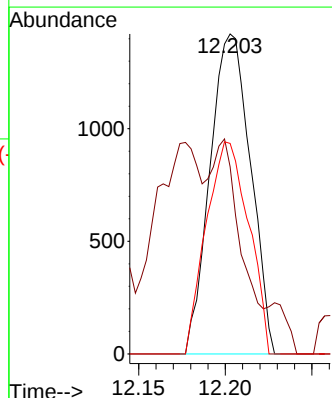
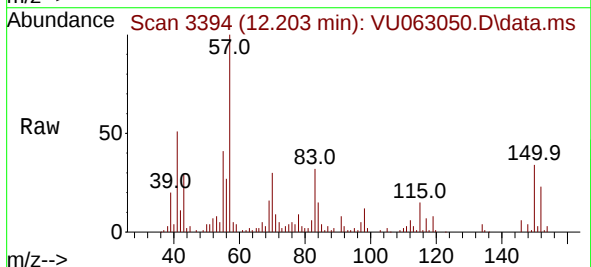
Tgt Ion:146 Resp: 2314

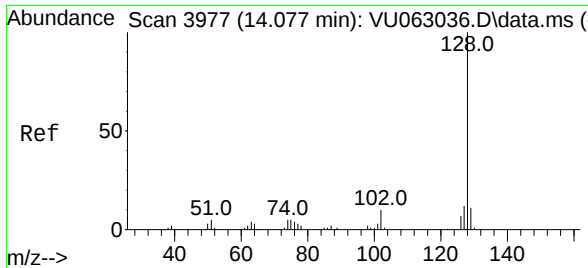
Ion Ratio Lower Upper

146 100

111 58.5 36.3 54.5#

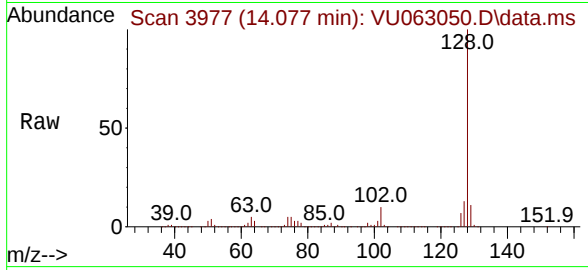
148 65.8 52.0 78.0





#71
Naphthalene
Concen: 353.222 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.000 min
Lab File: VU063050.D
Acq: 28 Jan 2025 06:07

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 5548690
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 13.2 10.2 15.2

