

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020325\
 Data File : VU063113.D
 Acq On : 03 Feb 2025 11:38
 Operator : MD/SY
 Sample : VSTD020
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020078

Quant Time: Feb 04 07:30:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020325WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 04 07:26:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	101423	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	95188	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	47979	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	152591	36.268	ug/L	0.00
7) Chloroethane-d5	1.895	69	122387	36.761	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	65	62470	26.713	ug/L	0.00
20) 2-Butanone-d5	4.599	46	368715	305.014	ug/L	0.00
24) Chloroform-d	5.046	84	287551	19.798	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.685	65	135365	16.987	ug/L	0.00
32) Benzene-d6	5.711	84	574567	24.713	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	186486	28.963	ug/L	0.00
41) Toluene-d8	7.885	98	526562	23.507	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.168	79	72877	21.019	ug/L	0.00
46) 2-Hexanone-d5	8.618	63	338233	341.116	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	154102	26.598	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.180	152	179845	20.797	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	124568	14.975	ug/L	99
3) Chloromethane	1.515	50	150866	30.523	ug/L	99
5) Vinyl chloride	1.599	62	175005	32.118	ug/L	98
6) Bromomethane	1.833	94	96650	35.002	ug/L	100
8) Chloroethane	1.917	64	97371	33.966	ug/L	96
9) Trichlorofluoromethane	2.126	101	221909	18.658	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	138909	22.453	ug/L	99
12) 1,1-Dichloroethene	2.567	96	130594	23.737	ug/L	97
13) Acetone	2.608	43	187219	256.883	ug/L	98
14) Carbon disulfide	2.779	76	371132	25.447	ug/L	99
15) Methyl Acetate	2.933	43	52083	33.362	ug/L	98
16) Methylene chloride	3.030	84	147946	24.829	ug/L	98
17) Methyl tert-butyl Ether	3.345	73	351560	21.855	ug/L	99
18) trans-1,2-Dichloroethene	3.335	96	134268	22.905	ug/L	98
19) 1,1-Dichloroethane	3.849	63	262058	24.840	ug/L	99
21) 2-Butanone	4.679	43	334918	314.067	ug/L	99
22) cis-1,2-Dichloroethene	4.647	96	162075	22.891	ug/L	97
23) Bromochloromethane	4.956	128	68275	20.084	ug/L	96
25) Chloroform	5.068	83	272706	19.227	ug/L	100
27) 1,2-Dichloroethane	5.775	62	159878	16.758	ug/L	97
29) 1,1,1-Trichloroethane	5.300	97	226323	16.117	ug/L	99
30) Cyclohexane	5.373	56	216318	28.141	ug/L	99
31) Carbon tetrachloride	5.509	117	192665	14.586	ug/L	99
33) Benzene	5.759	78	602278	24.324	ug/L	100
34) Trichloroethene	6.528	95	154366	19.422	ug/L	96
35) Methylcyclohexane	6.750	83	235575	22.995	ug/L	98
37) 1,2-Dichloropropane	6.775	63	162573	27.691	ug/L	100
38) Bromodichloromethane	7.090	83	200443	19.281	ug/L	99
39) cis-1,3-Dichloropropene	7.595	75	246569	24.020	ug/L	99
40) 4-Methyl-2-pentanone	7.775	43	856315	298.571	ug/L	99
42) Toluene	7.955	91	653027	22.837	ug/L	98
44) trans-1,3-Dichloropropene	8.197	75	206302	22.501	ug/L	100

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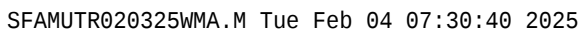
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020078

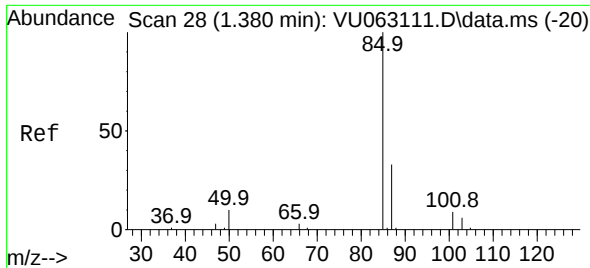
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.386	97	117788	22.762	ug/L	99
47) Tetrachloroethene	8.541	164	109096	16.822	ug/L	97
48) 2-Hexanone	8.669	43	601370	300.274	ug/L	98
49) Dibromochloromethane	8.798	129	132313	17.928	ug/L	97
50) 1,2-Dibromoethane	8.910	107	112448	22.154	ug/L	98
51) Chlorobenzene	9.434	112	401465	20.786	ug/L	98
52) Ethylbenzene	9.557	91	718229	22.012	ug/L	98
53) m,p-Xylene	9.682	106	271105	21.861	ug/L	95
54) o-Xylene	10.087	106	267054	23.189	ug/L	99
55) Styrene	10.103	104	458305	23.559	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.769	83	154047	25.764	ug/L	99
59) Bromoform	10.277	173	82746	18.531	ug/L	98
60) Isopropylbenzene	10.473	105	712967	22.663	ug/L	99
61) 1,2,3-Trichloropropane	10.807	75	99256	23.651	ug/L	98
62) 1,3,5-Trimethylbenzene	11.077	105	592805	21.952	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	589375	23.118	ug/L	100
64) 1,3-Dichlorobenzene	11.733	146	314798	20.301	ug/L	99
65) 1,4-Dichlorobenzene	11.823	146	313066	20.198	ug/L	99
67) 1,2-Dichlorobenzene	12.200	146	297744	20.321	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.984	75	16060	15.356	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.209	180	174827	14.556	ug/L	98
70) 1,2,4-trichlorobenzene	13.827	180	140183	14.795	ug/L	97
71) Naphthalene	14.074	128	221914	17.518	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	122985	14.967	ug/L	98

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

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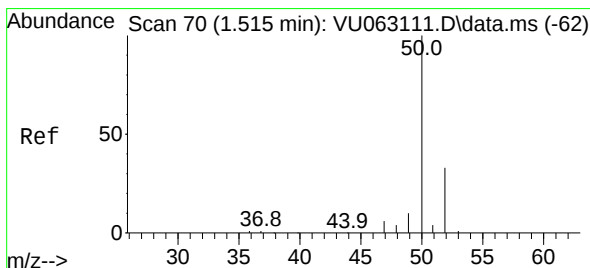
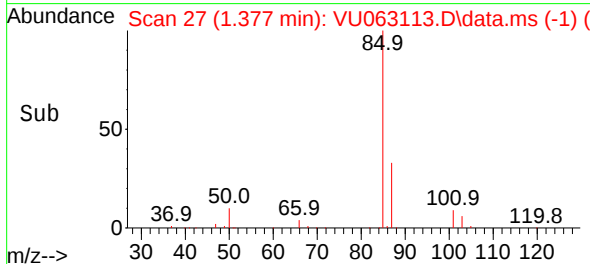
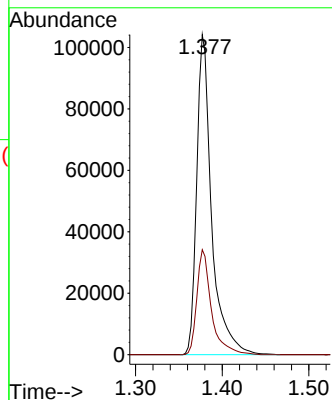
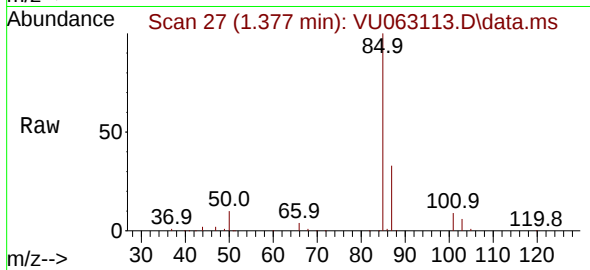




#2
 Dichlorodifluoromethane
 Concen: 14.975 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU063113.D
 Acq: 03 Feb 2025 11:38

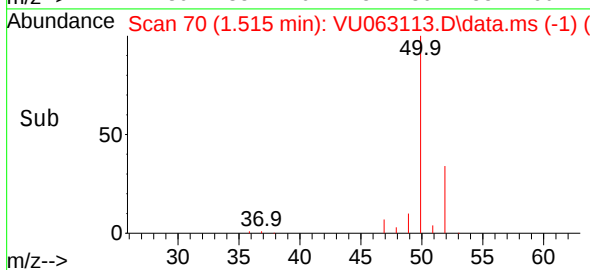
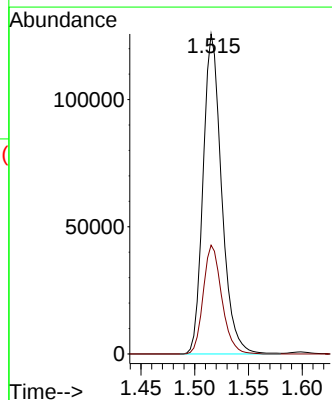
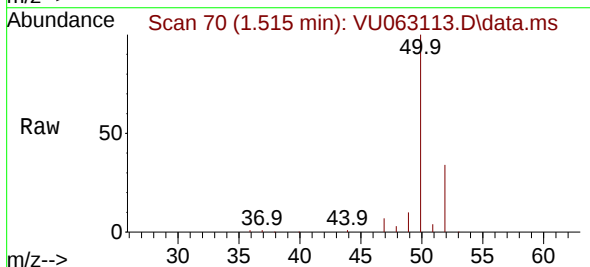
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 MSVOA_U
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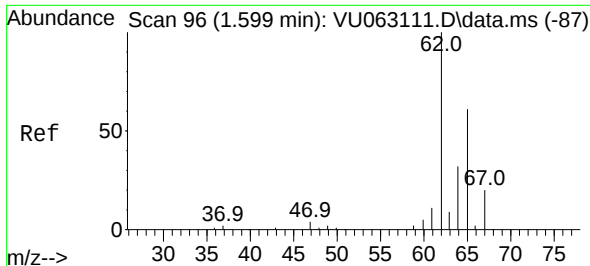
Tgt Ion: 85 Resp: 124568
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.4 38.0



#3
 Chloromethane
 Concen: 30.523 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU063113.D
 Acq: 03 Feb 2025 11:38

Tgt Ion: 50 Resp: 150866
 Ion Ratio Lower Upper
 50 100
 52 34.0 23.2 43.2

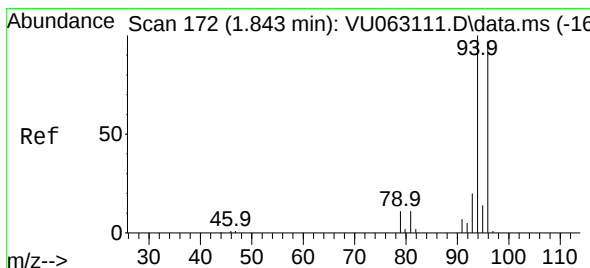
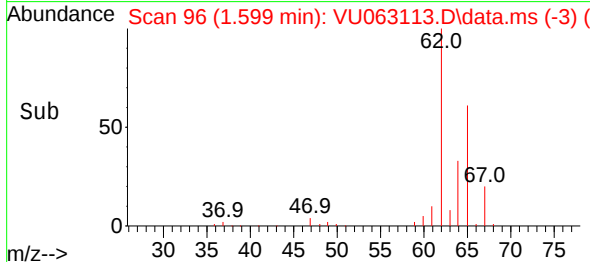
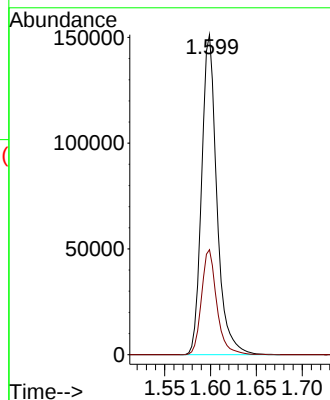
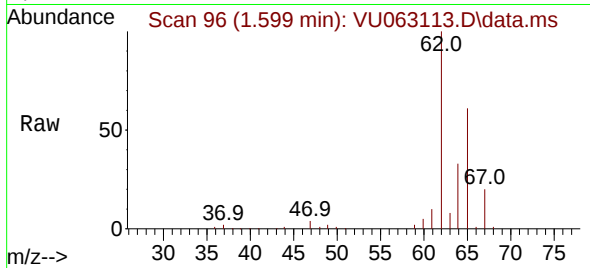




#5
 Vinyl chloride
 Concen: 32.118 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU063113.D
 Acq: 03 Feb 2025 11:38

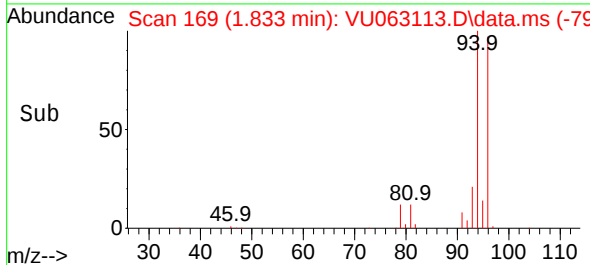
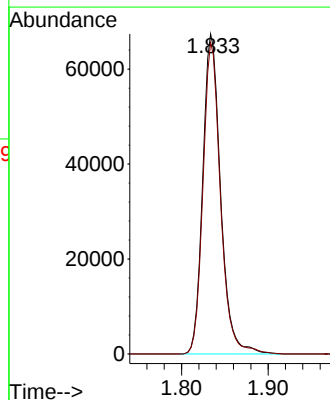
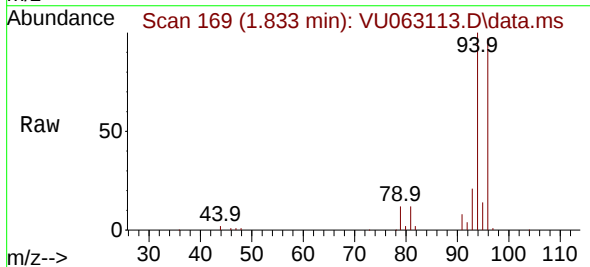
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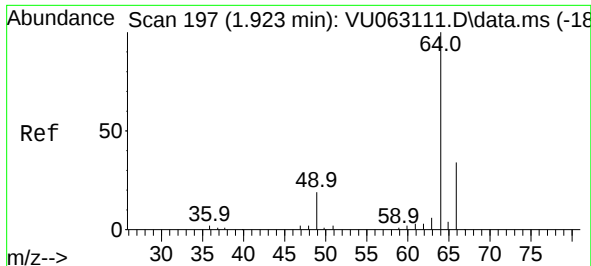
Tgt Ion: 62 Resp: 175005
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.3 41.3



#6
 Bromomethane
 Concen: 35.002 ug/L
 RT: 1.833 min Scan# 169
 Delta R.T. -0.010 min
 Lab File: VU063113.D
 Acq: 03 Feb 2025 11:38

Tgt Ion: 94 Resp: 96650
 Ion Ratio Lower Upper
 94 100
 96 97.3 67.8 125.8

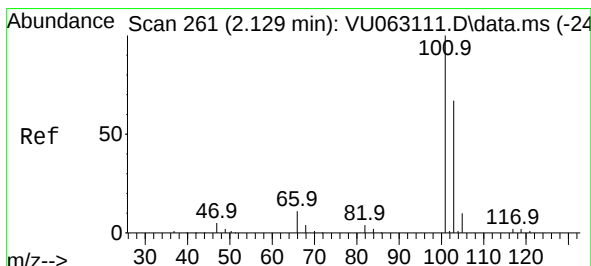
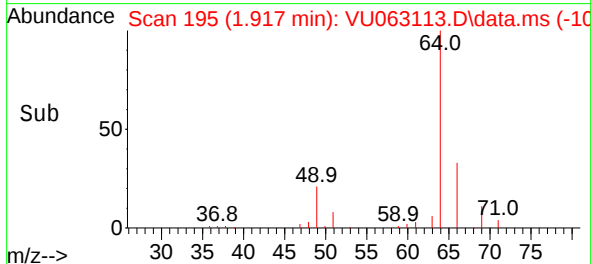
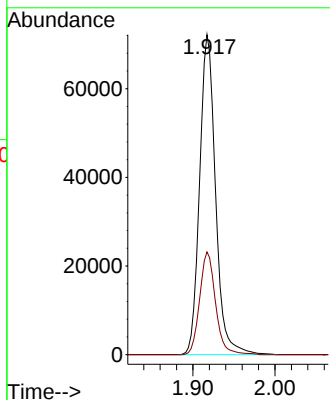
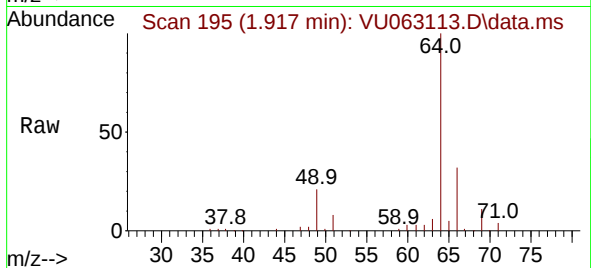




#8
Chloroethane
Concen: 33.966 ug/L
RT: 1.917 min Scan# 195
Delta R.T. -0.006 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

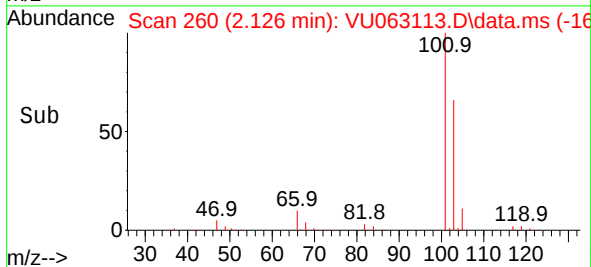
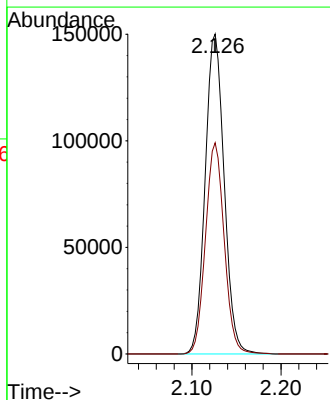
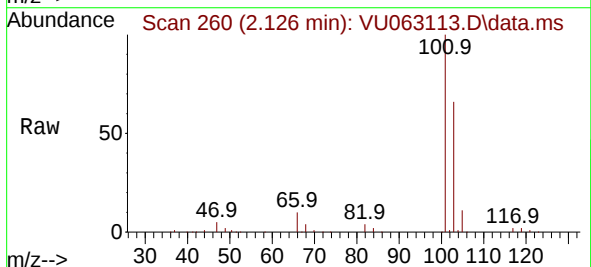
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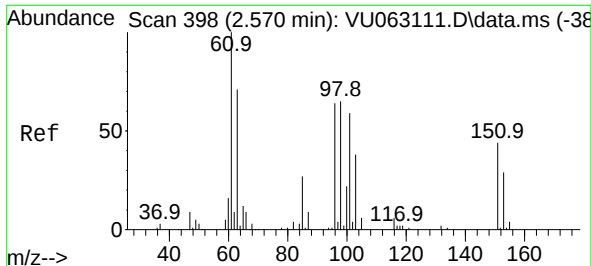
Tgt Ion: 64 Resp: 97371
Ion Ratio Lower Upper
64 100
66 32.1 24.1 44.7



#9
Trichlorofluoromethane
Concen: 18.658 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.003 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

Tgt Ion:101 Resp: 221909
Ion Ratio Lower Upper
101 100
103 65.1 53.0 79.4

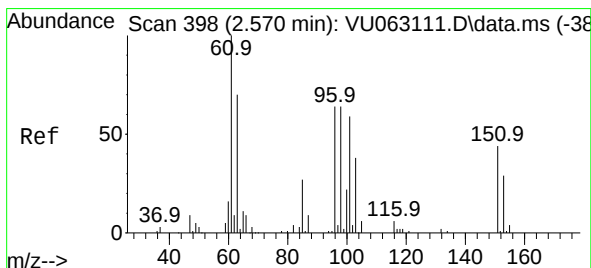
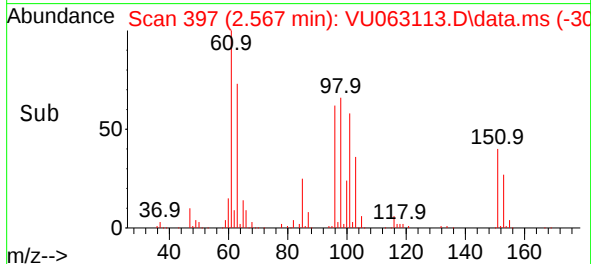
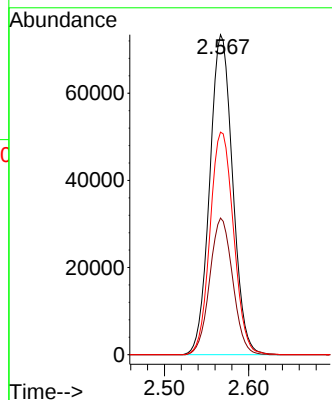
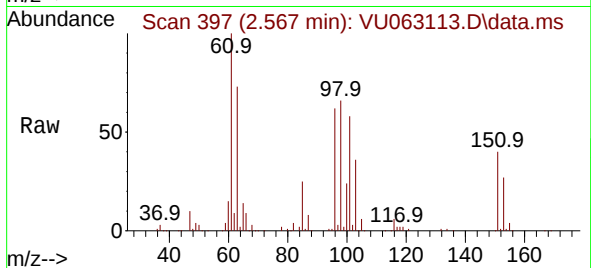




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.453 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.003 min
 Lab File: VU063113.D
 Acq: 03 Feb 2025 11:38

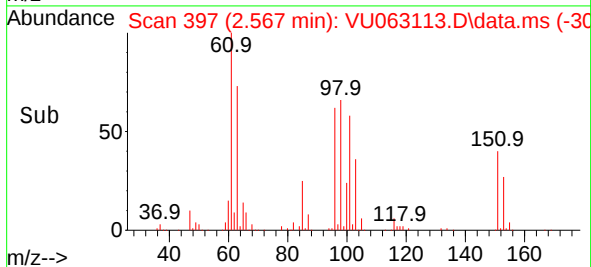
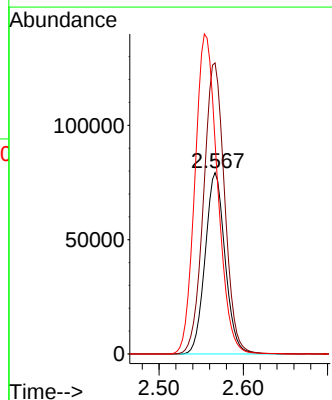
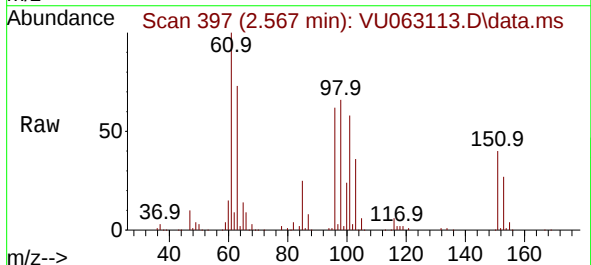
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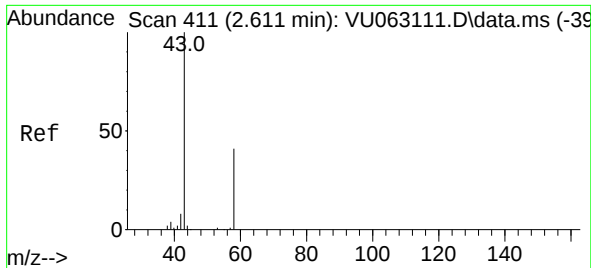
Tgt Ion:101 Resp: 138909
 Ion Ratio Lower Upper
 101 100
 85 42.7 34.0 51.0
 151 71.4 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 23.737 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.003 min
 Lab File: VU063113.D
 Acq: 03 Feb 2025 11:38

Tgt Ion: 96 Resp: 130594
 Ion Ratio Lower Upper
 96 100
 61 160.5 110.2 204.6
 63 116.7 79.6 147.8

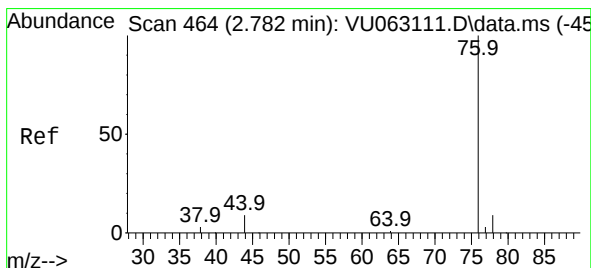
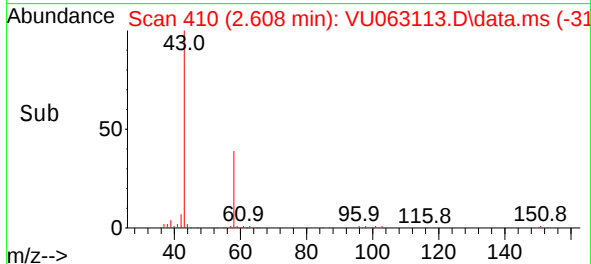
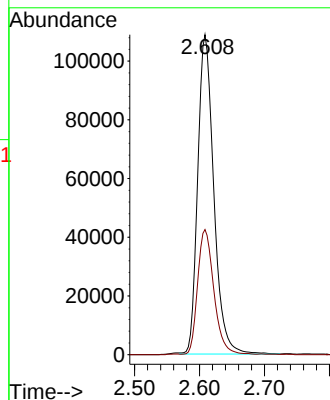
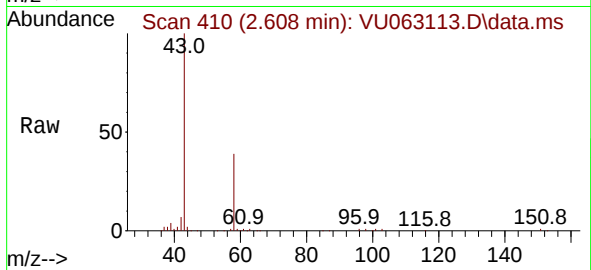




#13
Acetone
Concen: 256.883 ug/L
RT: 2.608 min Scan# 411
Delta R.T. -0.003 min
Lab File: VU063113.D
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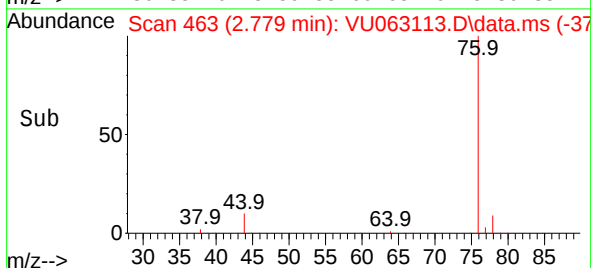
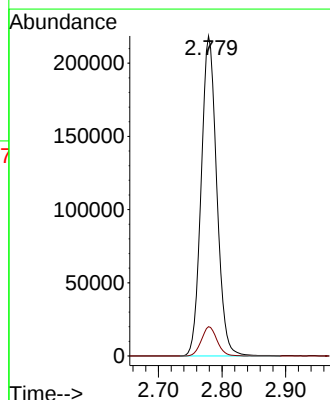
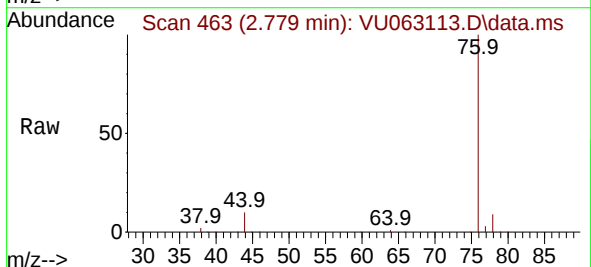
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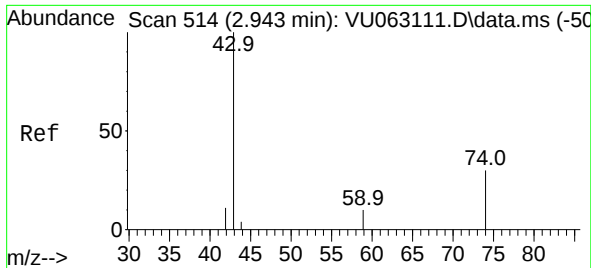
Tgt Ion: 43 Resp: 187219
Ion Ratio Lower Upper
43 100
58 39.3 0.0 81.0



#14
Carbon disulfide
Concen: 25.447 ug/L
RT: 2.779 min Scan# 463
Delta R.T. -0.003 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

Tgt Ion: 76 Resp: 371132
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6





#15

Methyl Acetate

Concen: 33.362 ug/L

RT: 2.933 min Scan# 514

Delta R.T. -0.010 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

Instrument :

MSVOA_U

ClientSampleId :

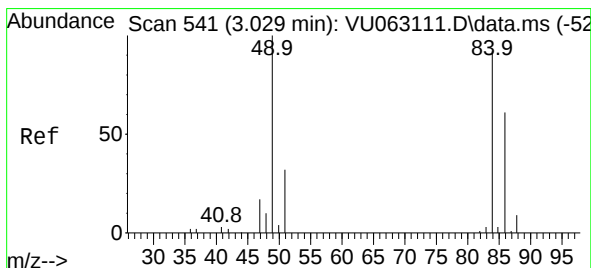
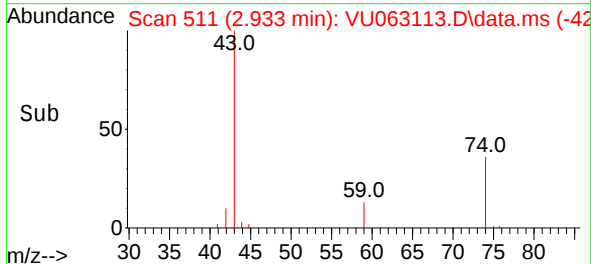
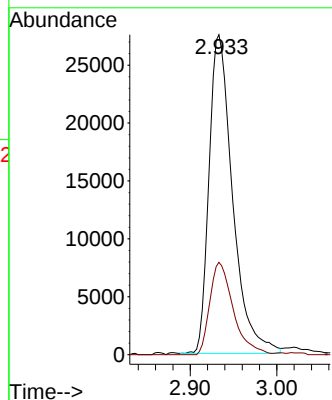
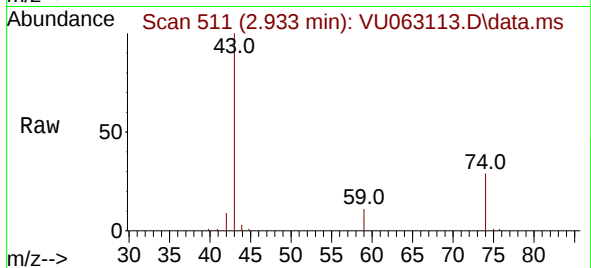
VSTD020078

Tgt Ion: 43 Resp: 52083

Ion Ratio Lower Upper

43 100

74 28.7 22.3 33.5



#16

Methylene chloride

Concen: 24.829 ug/L

RT: 3.030 min Scan# 541

Delta R.T. 0.000 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

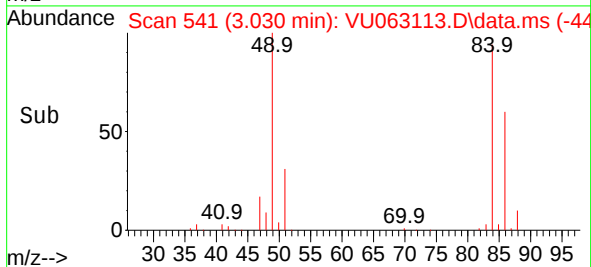
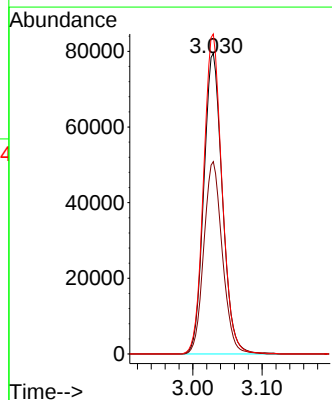
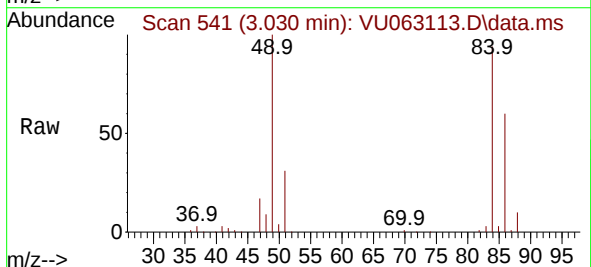
Tgt Ion: 84 Resp: 147946

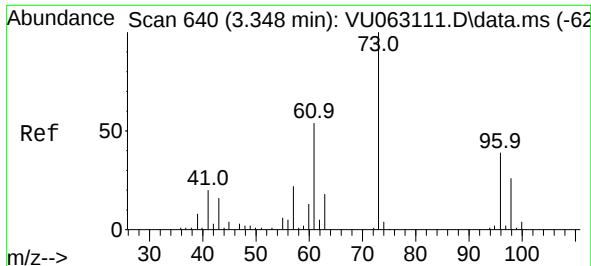
Ion Ratio Lower Upper

84 100

86 64.0 46.3 86.1

49 106.4 75.9 141.1

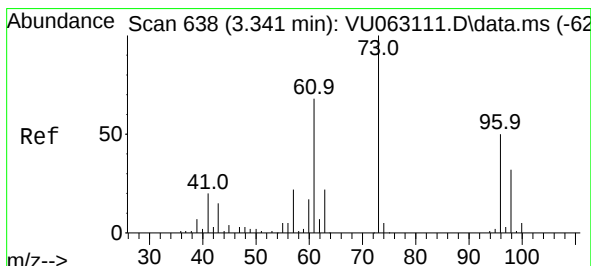
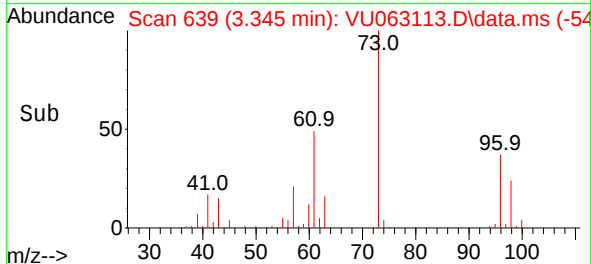
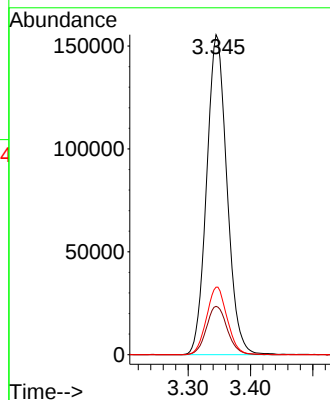
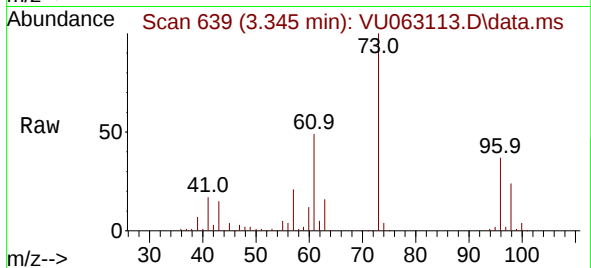




#17
Methyl tert-butyl Ether
Concen: 21.855 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

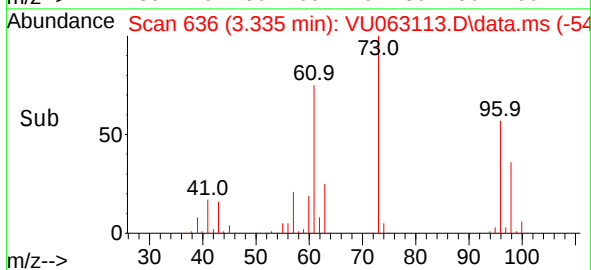
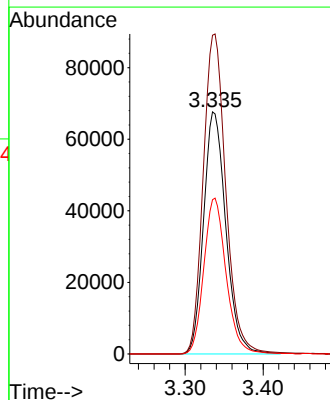
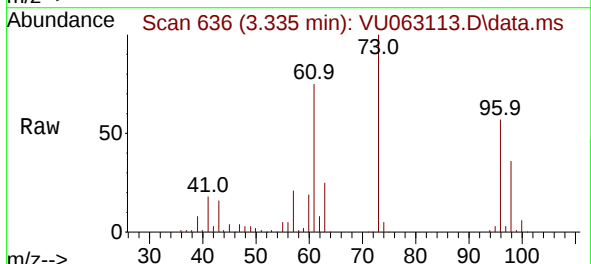
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

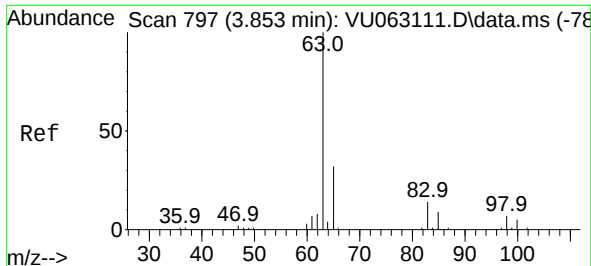
Tgt Ion: 73 Resp: 351560
Ion Ratio Lower Upper
73 100
43 15.6 12.5 18.7
57 21.6 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 22.905 ug/L
RT: 3.335 min Scan# 636
Delta R.T. -0.006 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

Tgt Ion: 96 Resp: 134268
Ion Ratio Lower Upper
96 100
61 131.7 94.6 175.6
98 63.7 44.4 82.5

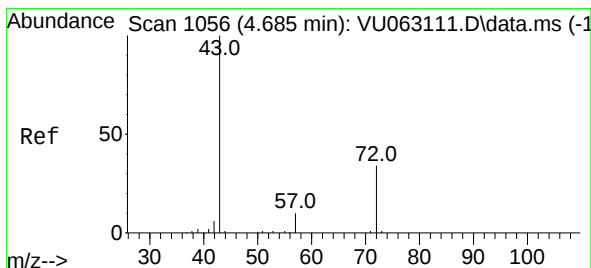
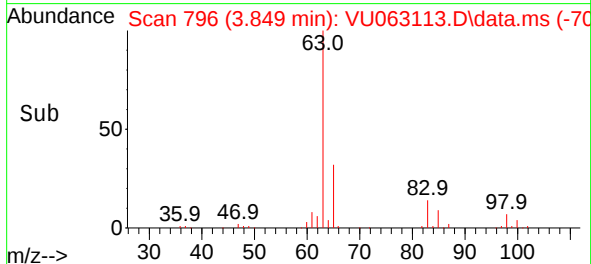
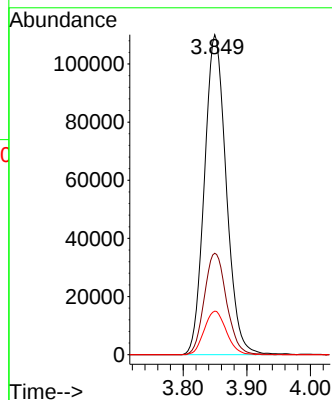
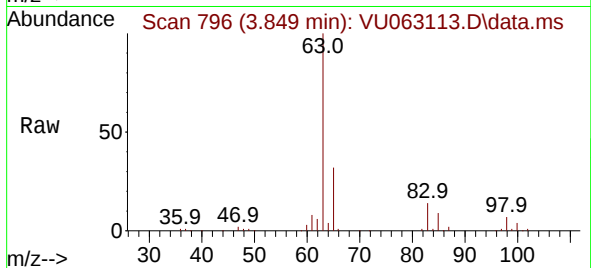




#19
1,1-Dichloroethane
Concen: 24.840 ug/L
RT: 3.849 min Scan# 796
Delta R.T. -0.003 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

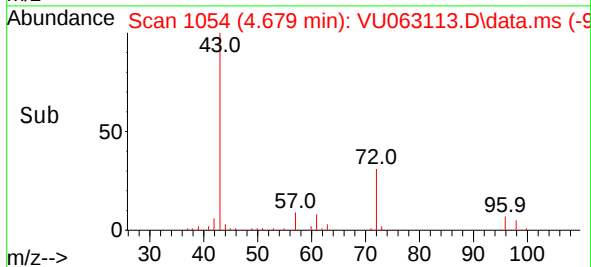
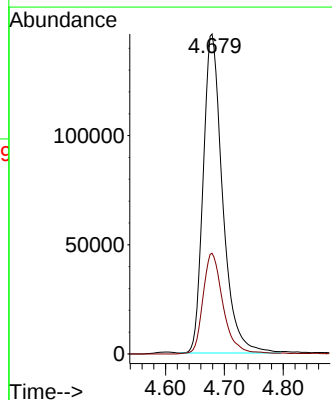
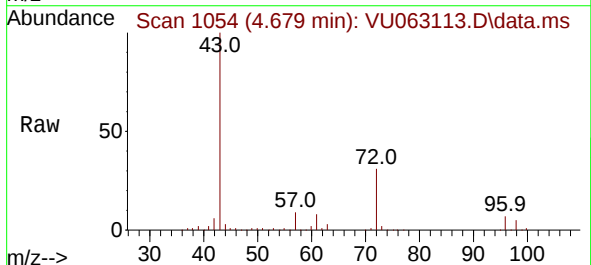
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

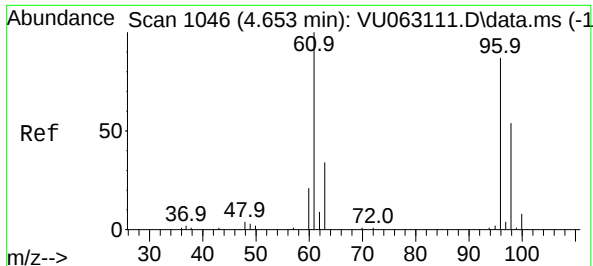
Tgt Ion: 63 Resp: 262058
Ion Ratio Lower Upper
63 100
65 31.7 22.7 42.1
83 13.6 9.9 18.3



#21
2-Butanone
Concen: 314.067 ug/L
RT: 4.679 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

Tgt Ion: 43 Resp: 334918
Ion Ratio Lower Upper
43 100
72 32.8 16.7 50.0





#22

cis-1,2-Dichloroethene

Concen: 22.891 ug/L

RT: 4.647 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD020078

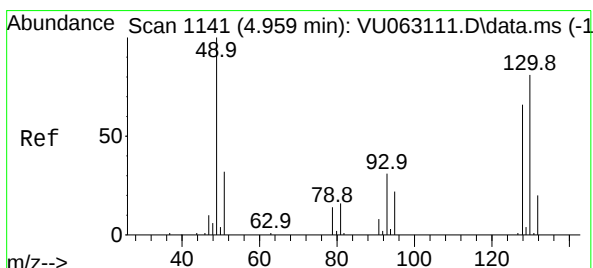
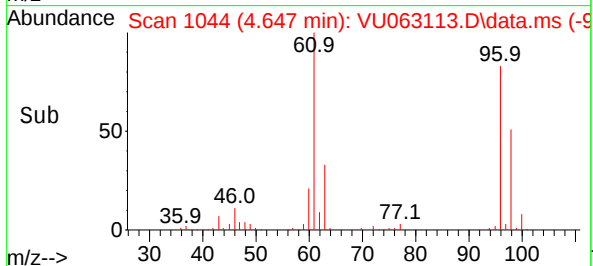
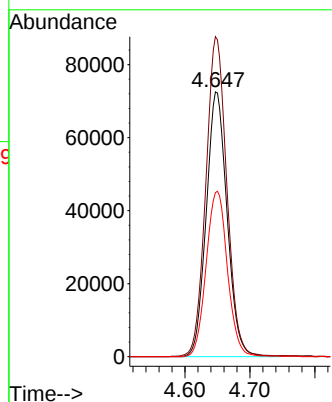
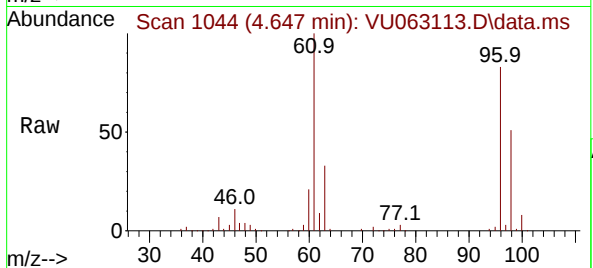
Tgt Ion: 96 Resp: 162075

Ion Ratio Lower Upper

96 100

61 120.9 80.8 150.2

98 61.9 43.4 80.6



#23

Bromochloromethane

Concen: 20.084 ug/L

RT: 4.956 min Scan# 1140

Delta R.T. -0.003 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

Tgt Ion:128 Resp: 68275

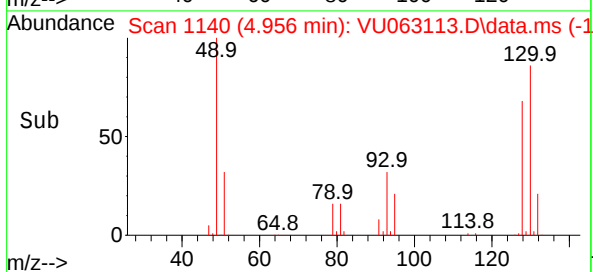
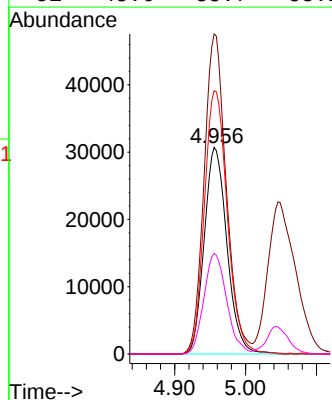
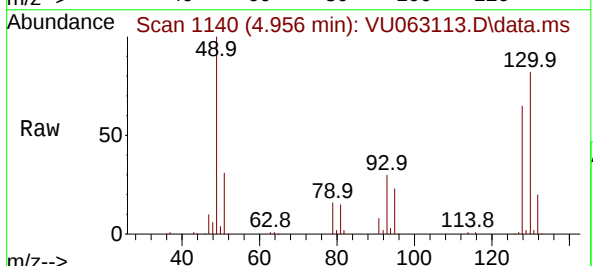
Ion Ratio Lower Upper

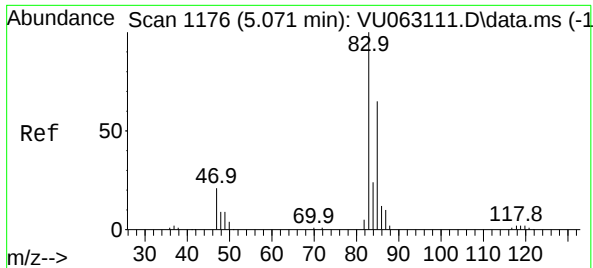
128 100

49 154.9 105.4 195.8

130 127.4 85.0 157.8

51 48.6 38.7 58.1





#25

Chloroform

Concen: 19.227 ug/L

RT: 5.068 min Scan# 1175

Delta R.T. -0.003 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

Instrument :

MSVOA_U

ClientSampleId :

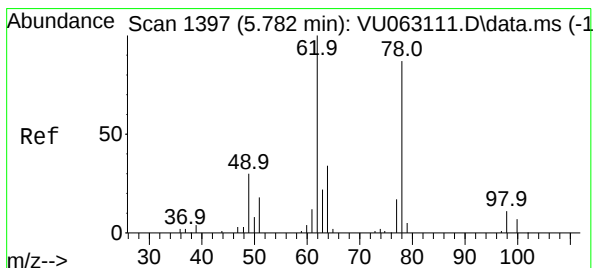
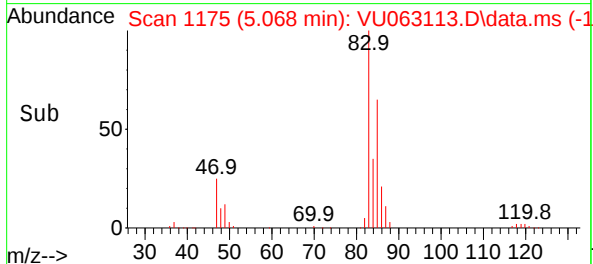
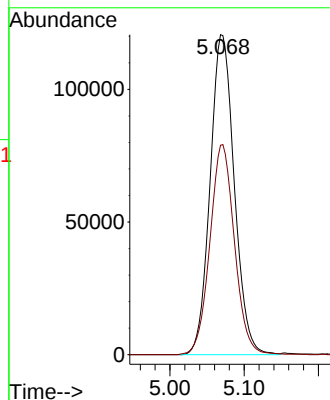
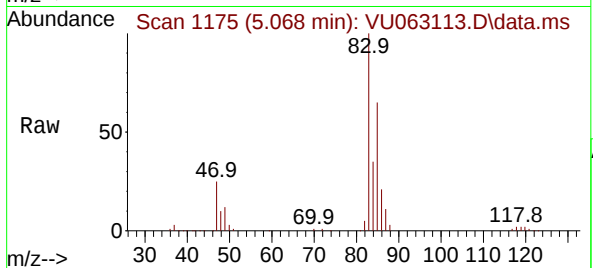
VSTD020078

Tgt Ion: 83 Resp: 272706

Ion Ratio Lower Upper

83 100

85 65.5 45.7 84.9



#27

1,2-Dichloroethane

Concen: 16.758 ug/L

RT: 5.775 min Scan# 1395

Delta R.T. -0.006 min

Lab File: VU063113.D

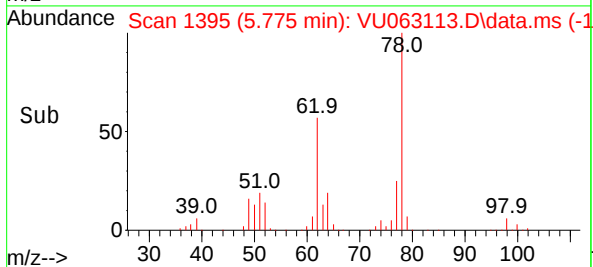
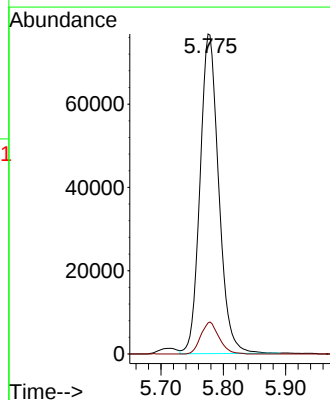
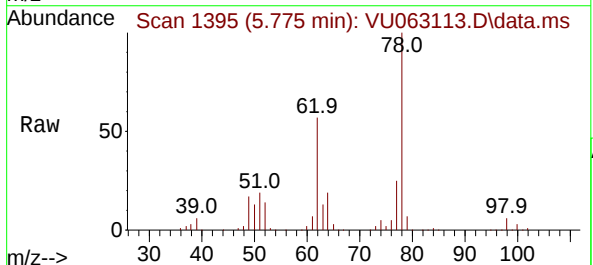
Acq: 03 Feb 2025 11:38

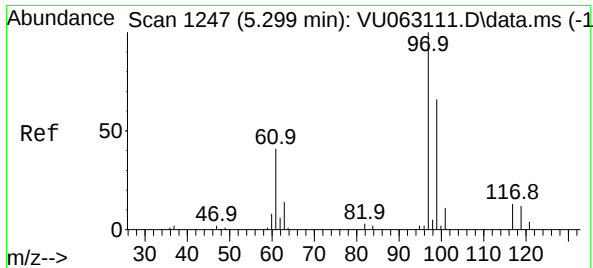
Tgt Ion: 62 Resp: 159878

Ion Ratio Lower Upper

62 100

98 9.7 8.6 12.8

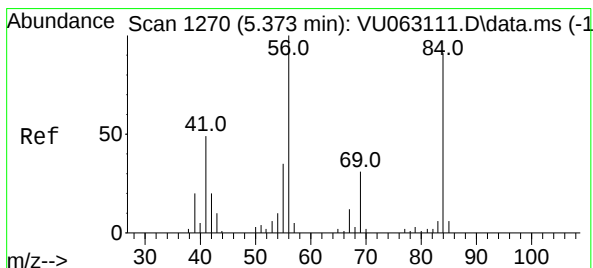
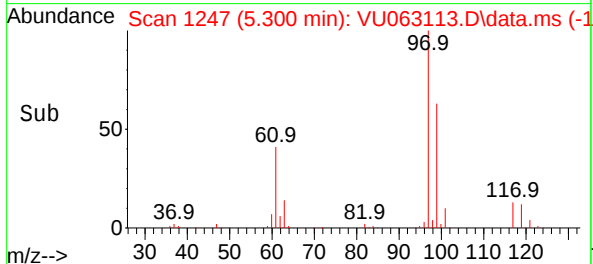
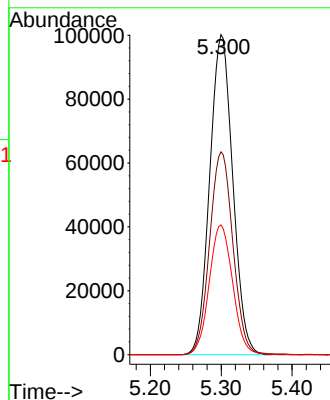
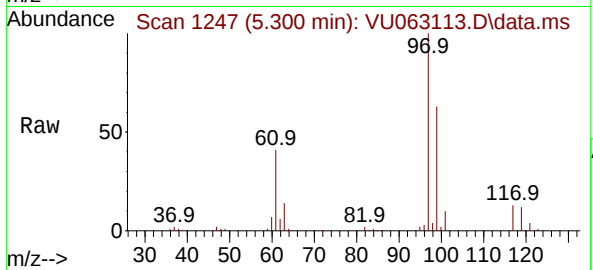




#29
1,1,1-Trichloroethane
Concen: 16.117 ug/L
RT: 5.300 min Scan# 1247
Delta R.T. 0.000 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

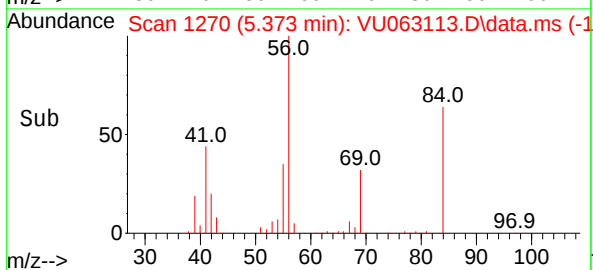
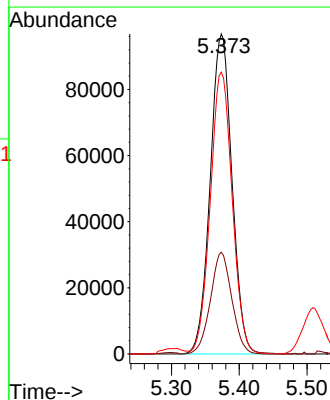
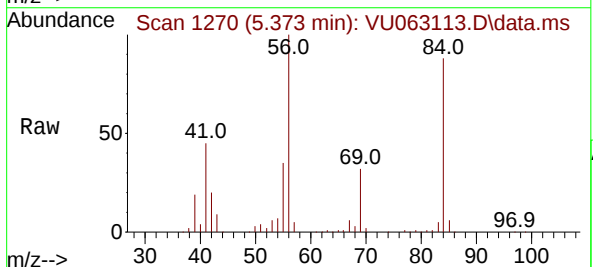
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

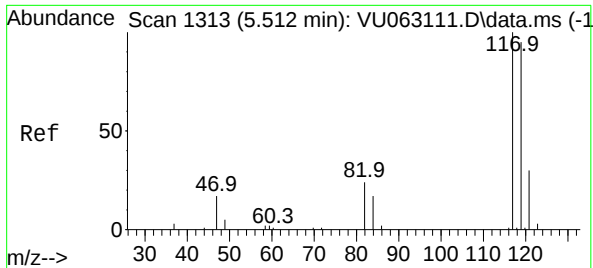
Tgt Ion: 97 Resp: 226323
Ion Ratio Lower Upper
97 100
99 63.9 52.3 78.5
61 41.2 33.2 49.8



#30
Cyclohexane
Concen: 28.141 ug/L
RT: 5.373 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

Tgt Ion: 56 Resp: 216318
Ion Ratio Lower Upper
56 100
69 31.2 25.1 37.7
84 88.8 71.4 107.2

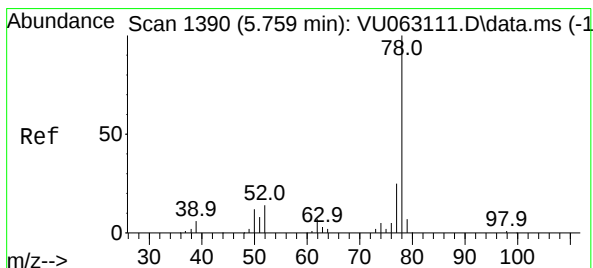
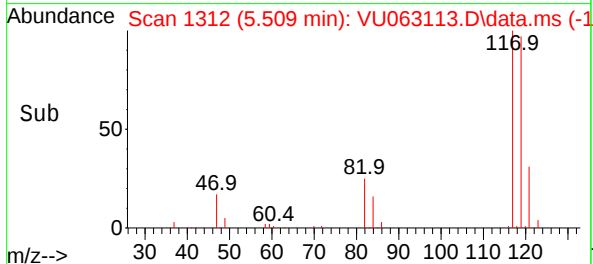
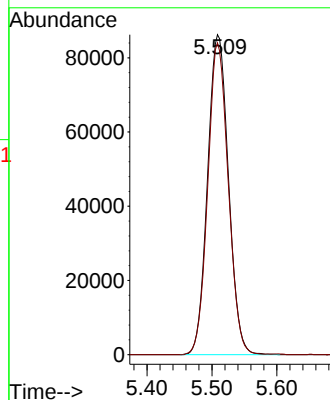
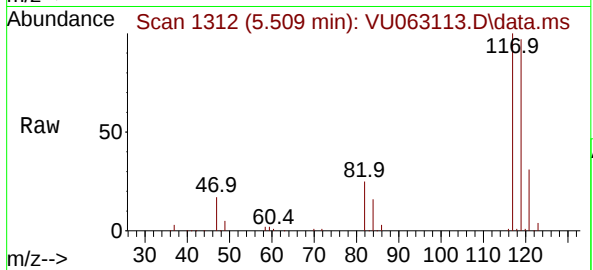




#31
Carbon tetrachloride
Concen: 14.586 ug/L
RT: 5.509 min Scan# 1117
Delta R.T. -0.003 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

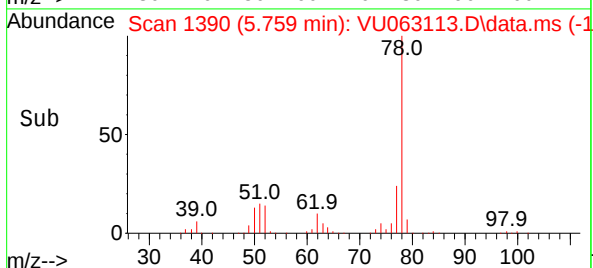
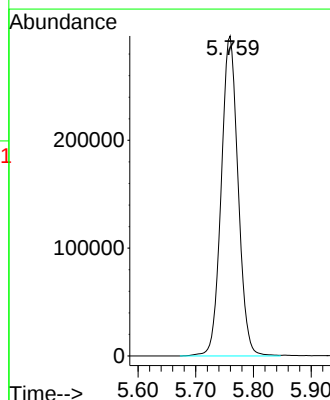
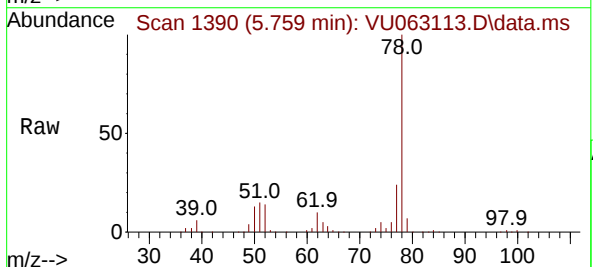
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

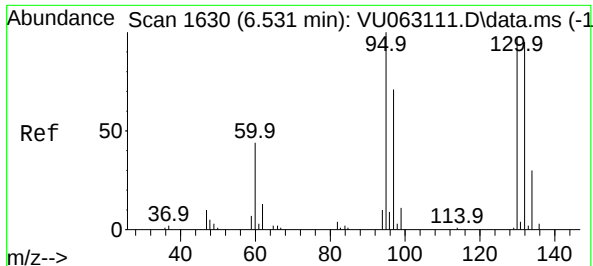
Tgt Ion:117 Resp: 192665
Ion Ratio Lower Upper
117 100
119 95.5 77.0 115.6



#33
Benzene
Concen: 24.324 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. 0.000 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

Tgt Ion: 78 Resp: 602278





#34

Trichloroethene

Concen: 19.422 ug/L

RT: 6.528 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD020078

Tgt Ion: 95 Resp: 154366

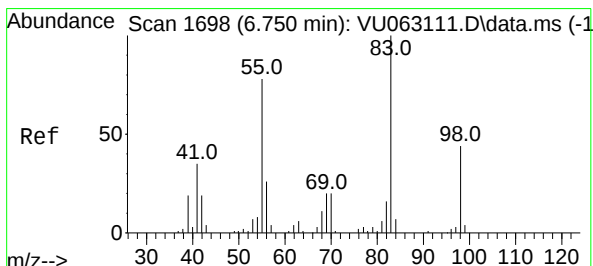
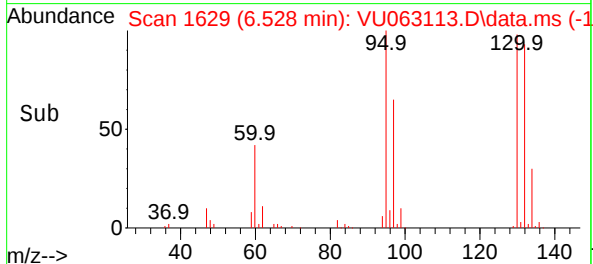
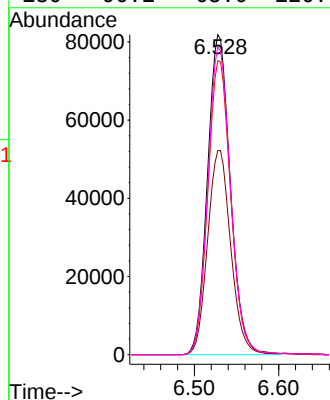
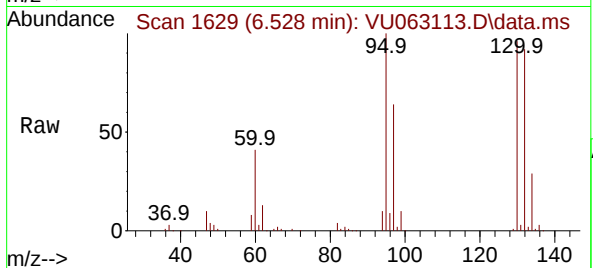
Ion Ratio Lower Upper

95 100

97 63.8 49.6 92.0

132 91.8 66.4 123.2

130 96.1 68.0 126.4



#35

Methylcyclohexane

Concen: 22.995 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

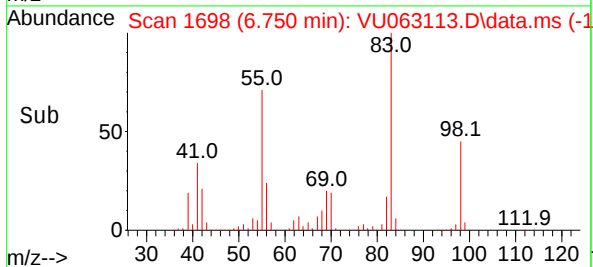
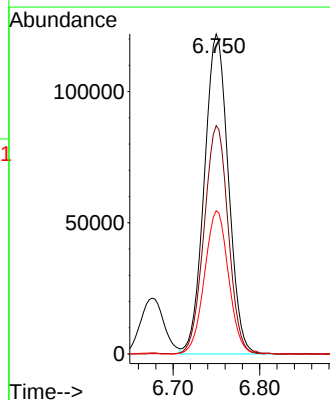
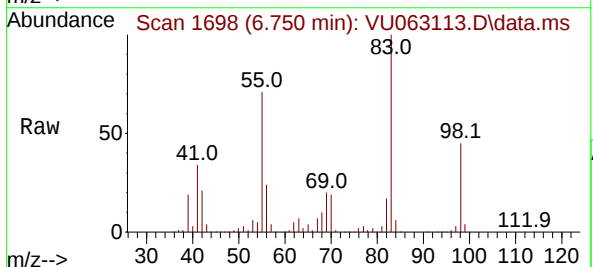
Tgt Ion: 83 Resp: 235575

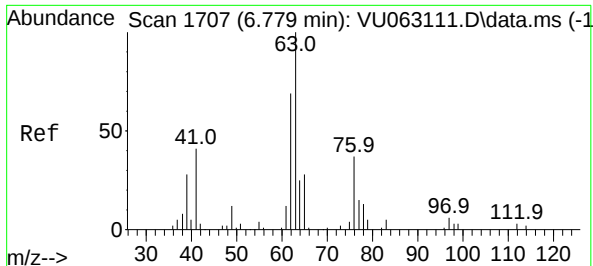
Ion Ratio Lower Upper

83 100

55 71.5 59.4 89.0

98 44.6 35.8 53.8

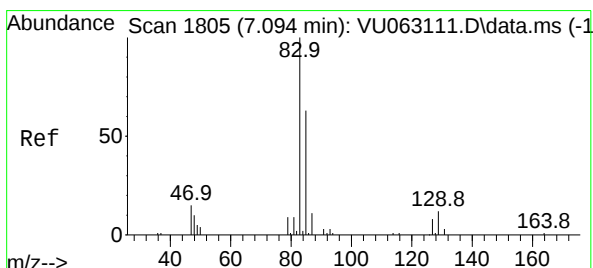
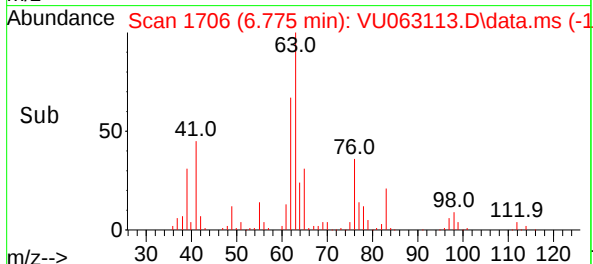
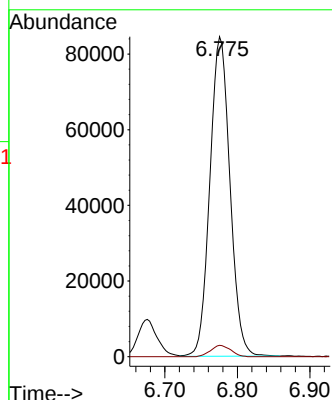
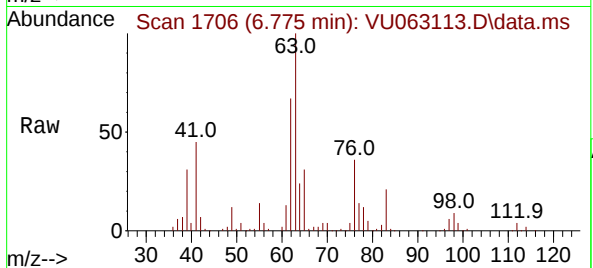




#37
1,2-Dichloropropane
Concen: 27.691 ug/L
RT: 6.775 min Scan# 1706
Delta R.T. -0.003 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

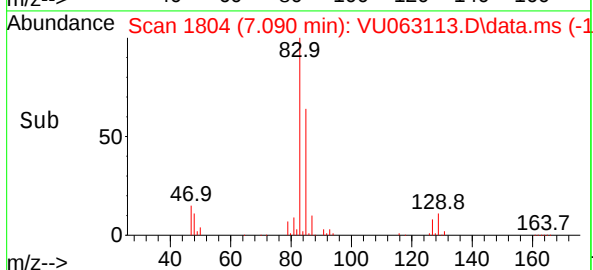
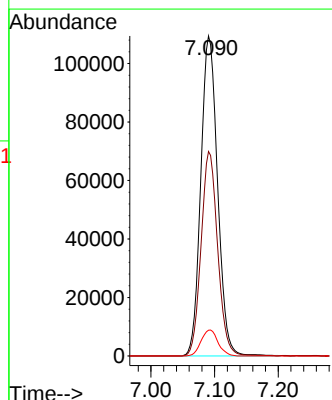
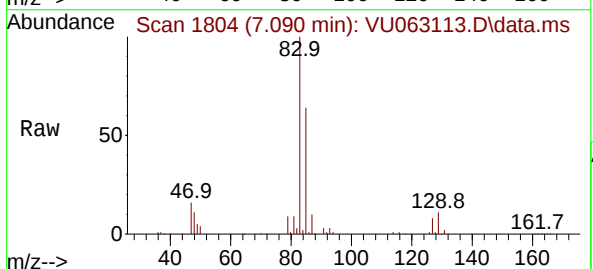
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

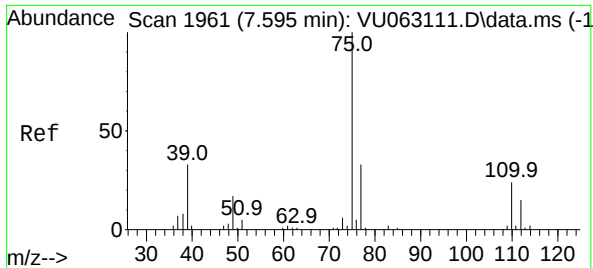
Tgt Ion: 63 Resp: 162573
Ion Ratio Lower Upper
63 100
112 3.5 2.7 4.1



#38
Bromodichloromethane
Concen: 19.281 ug/L
RT: 7.090 min Scan# 1804
Delta R.T. -0.003 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

Tgt Ion: 83 Resp: 200443
Ion Ratio Lower Upper
83 100
85 63.9 44.0 81.8
127 8.0 6.1 9.1

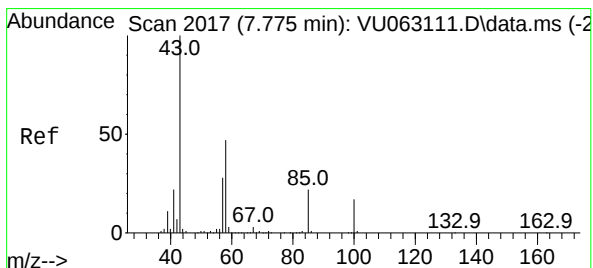
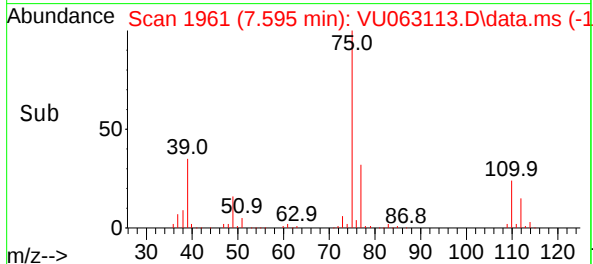
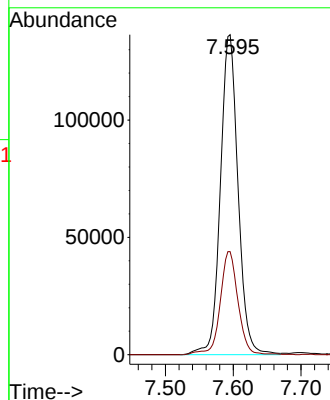
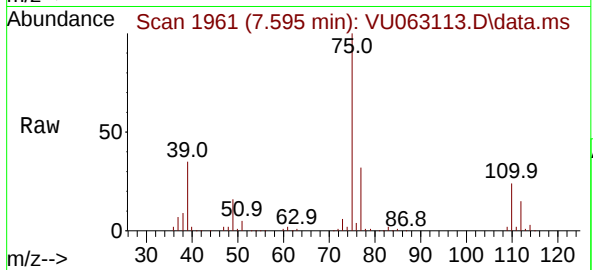




#39
 cis-1,3-Dichloropropene
 Concen: 24.020 ug/L
 RT: 7.595 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: VU063113.D
 Acq: 03 Feb 2025 11:38

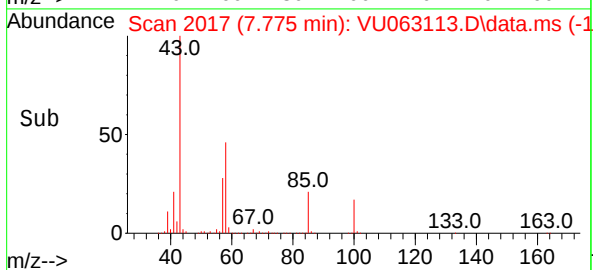
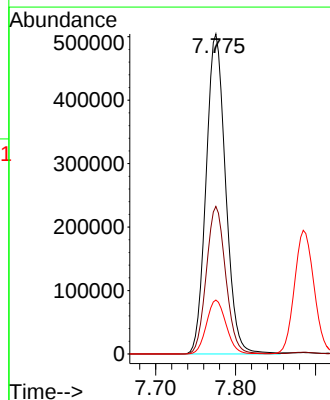
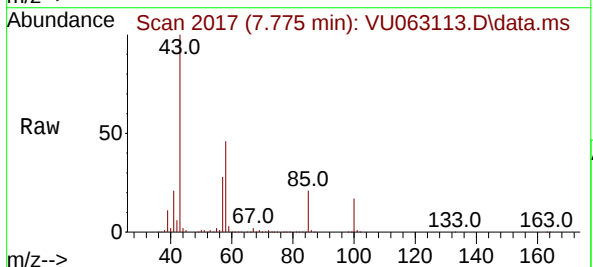
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020078

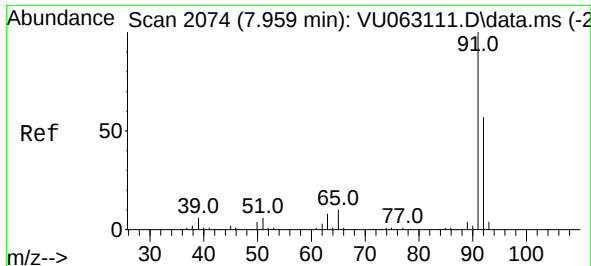
Tgt Ion: 75 Resp: 246569
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.9 42.5



#40
 4-Methyl-2-pentanone
 Concen: 298.571 ug/L
 RT: 7.775 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: VU063113.D
 Acq: 03 Feb 2025 11:38

Tgt Ion: 43 Resp: 856315
 Ion Ratio Lower Upper
 43 100
 58 45.9 37.7 56.5
 100 16.9 13.7 20.5





#42

Toluene

Concen: 22.837 ug/L

RT: 7.955 min Scan# 2074

Delta R.T. -0.003 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

Instrument :

MSVOA_U

ClientSampleId :

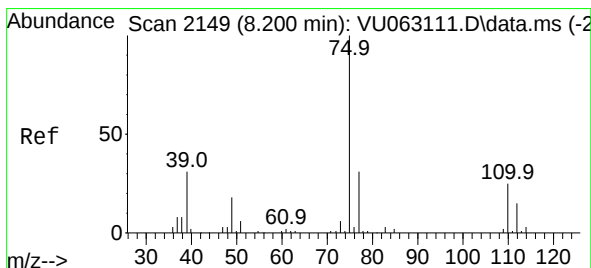
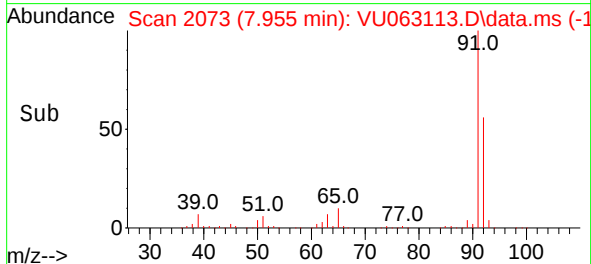
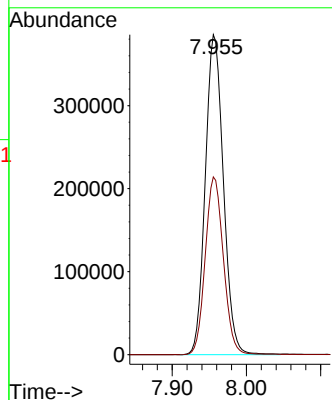
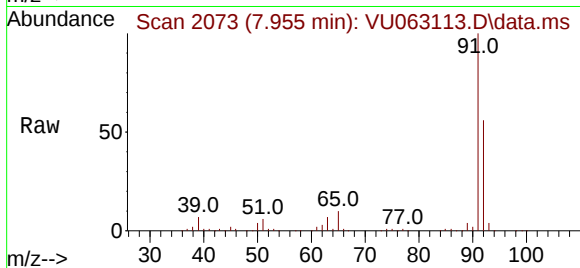
VSTD020078

Tgt Ion: 91 Resp: 653027

Ion Ratio Lower Upper

91 100

92 55.6 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 22.501 ug/L

RT: 8.197 min Scan# 2148

Delta R.T. -0.003 min

Lab File: VU063113.D

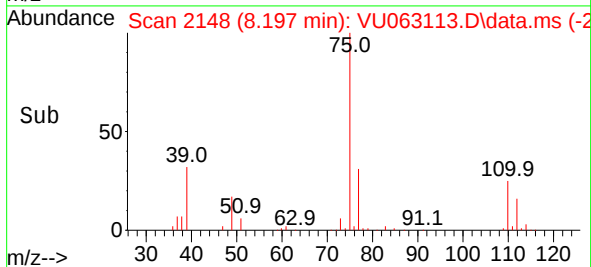
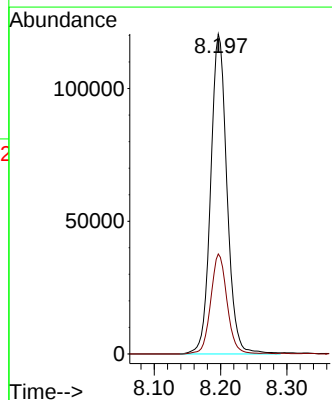
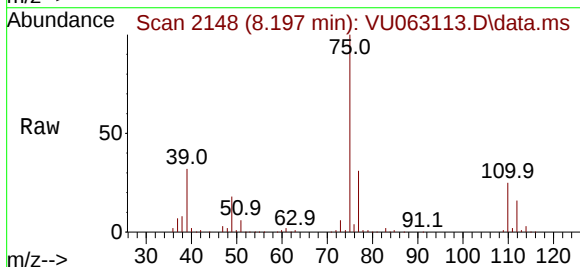
Acq: 03 Feb 2025 11:38

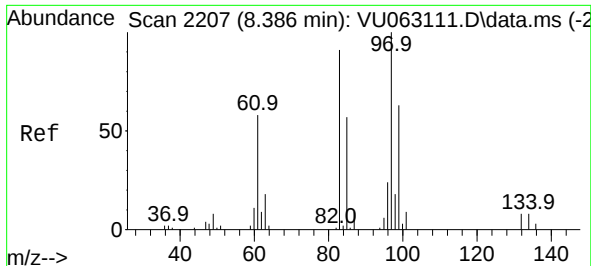
Tgt Ion: 75 Resp: 206302

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8

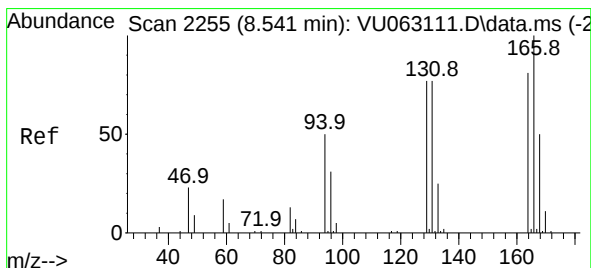
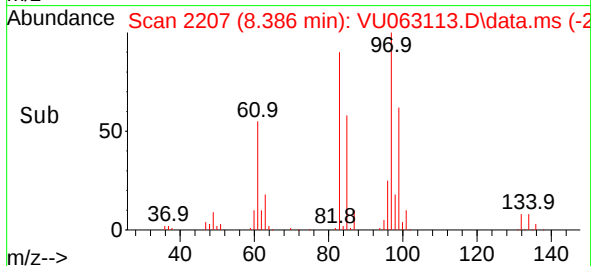
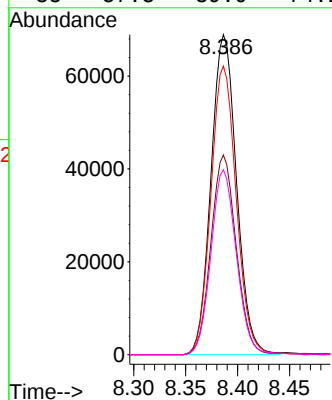
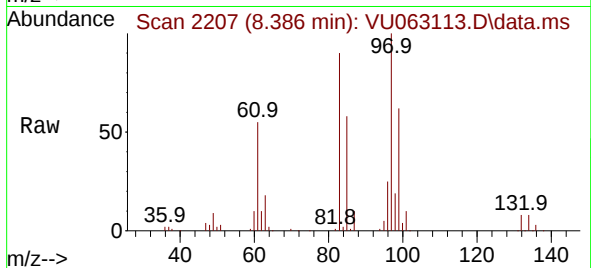




#45
1,1,2-Trichloroethane
Concen: 22.762 ug/L
RT: 8.386 min Scan# 2207
Delta R.T. 0.000 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

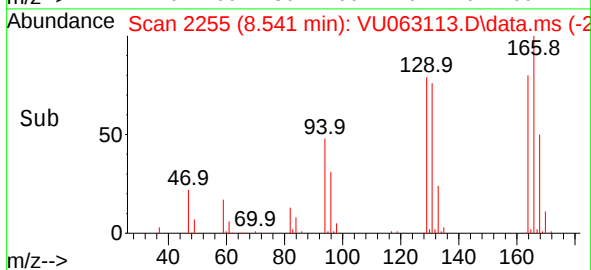
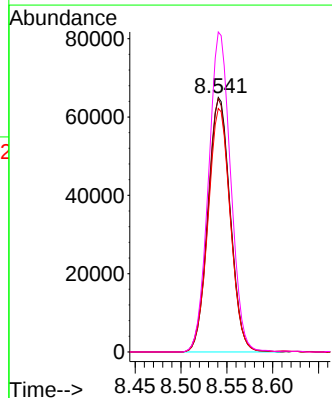
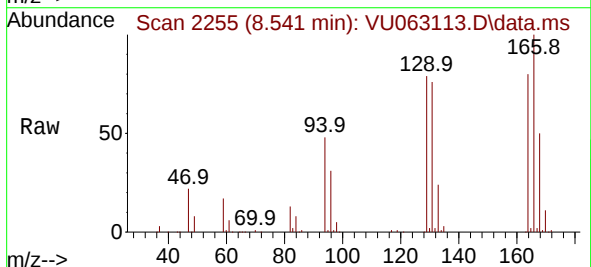
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

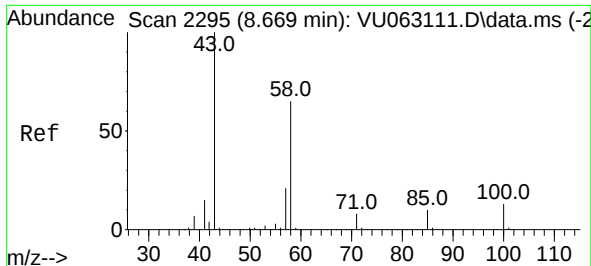
Tgt Ion:	97	Resp:	117788
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.9	81.5
83	90.2	63.4	117.8
85	57.8	39.9	74.1



#47
Tetrachloroethene
Concen: 16.822 ug/L
RT: 8.541 min Scan# 2255
Delta R.T. 0.000 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

Tgt Ion:	164	Resp:	109096
Ion	Ratio	Lower	Upper
164	100		
129	99.6	66.2	123.0
131	95.7	66.4	123.4
166	125.7	86.0	159.8



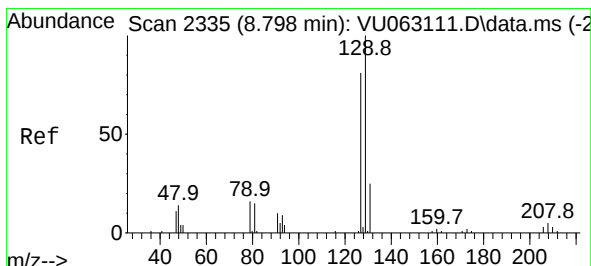
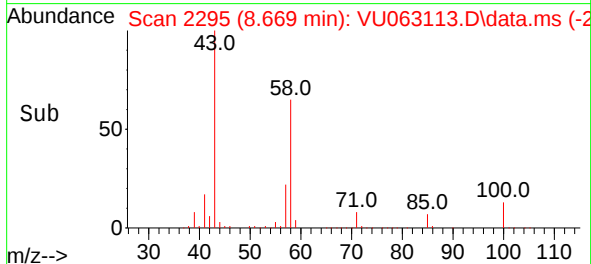
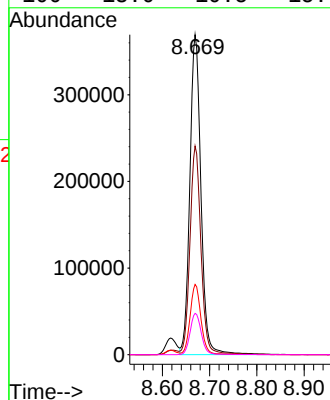
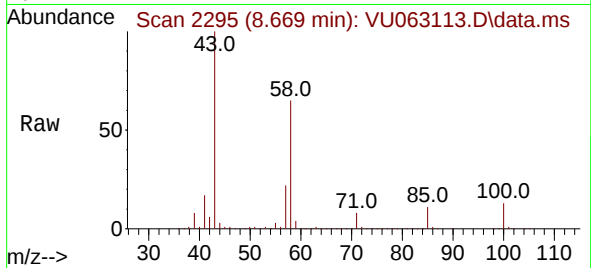


#48
2-Hexanone
Concen: 300.274 ug/L
RT: 8.669 min Scan# 2295
Delta R.T. 0.000 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

Tgt Ion: 43 Resp: 601370

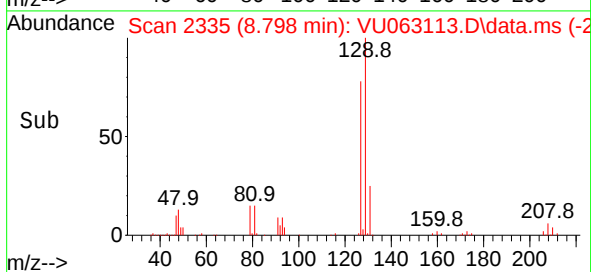
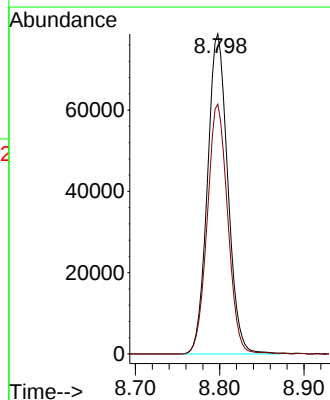
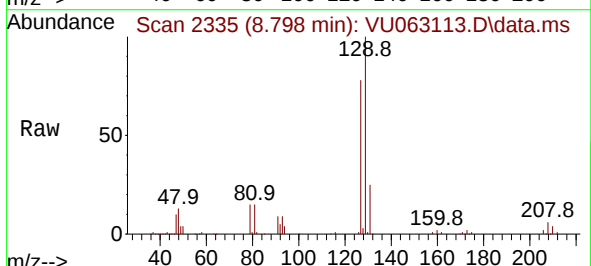
Ion	Ratio	Lower	Upper
43	100		
58	64.3	50.0	75.0
57	21.3	16.6	24.8
100	13.0	10.5	15.7

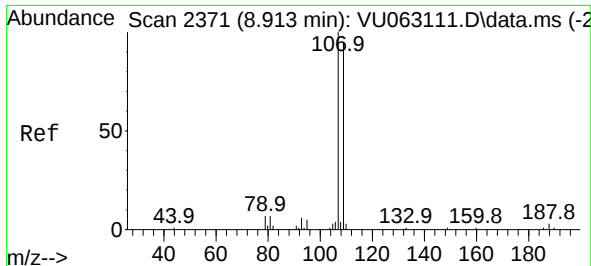


#49
Dibromochloromethane
Concen: 17.928 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

Tgt Ion: 129 Resp: 132313

Ion	Ratio	Lower	Upper
129	100		
127	78.0	56.8	105.4

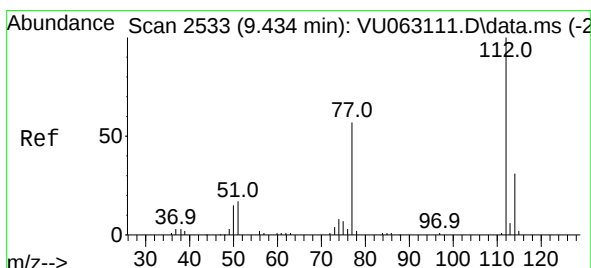
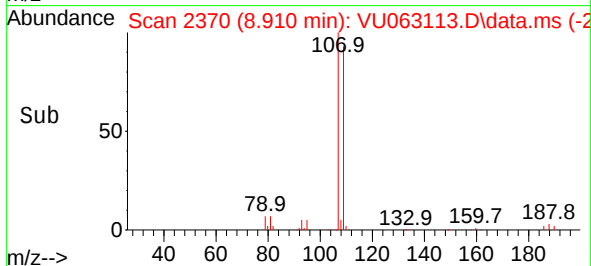
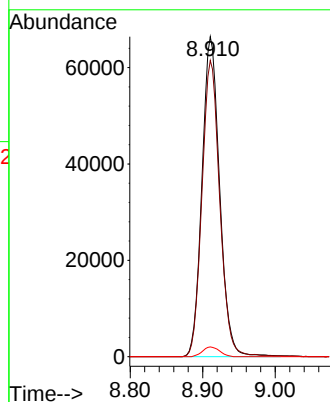
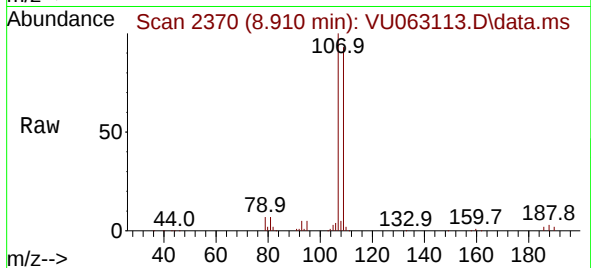




#50
1,2-Dibromoethane
Concen: 22.154 ug/L
RT: 8.910 min Scan# 2371
Delta R.T. -0.003 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

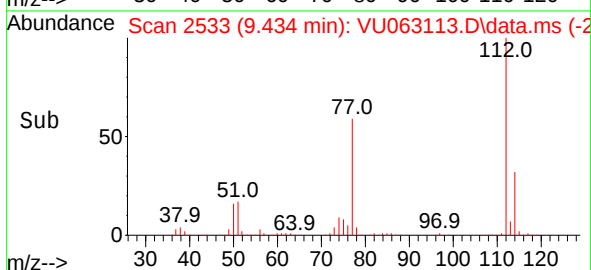
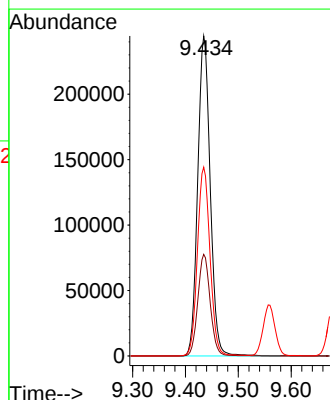
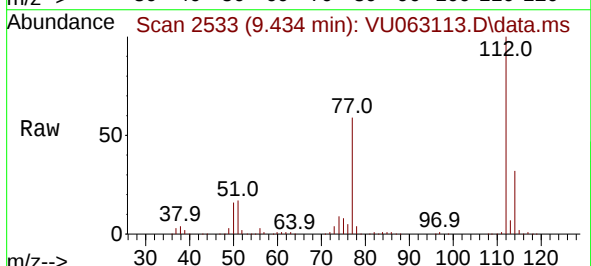
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

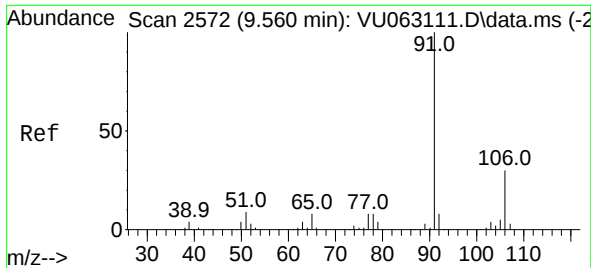
Tgt Ion:107 Resp: 112448
Ion Ratio Lower Upper
107 100
109 92.5 66.3 123.1
188 3.0 2.6 4.0



#51
Chlorobenzene
Concen: 20.786 ug/L
RT: 9.434 min Scan# 2533
Delta R.T. 0.000 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

Tgt Ion:112 Resp: 401465
Ion Ratio Lower Upper
112 100
114 31.7 21.6 40.2
77 59.0 45.8 68.8

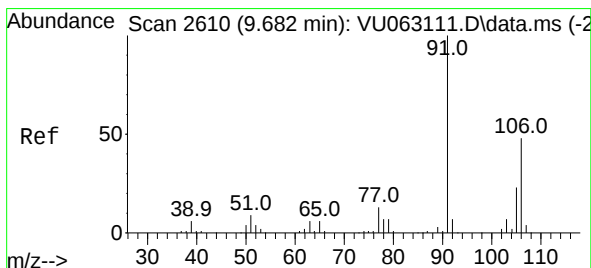
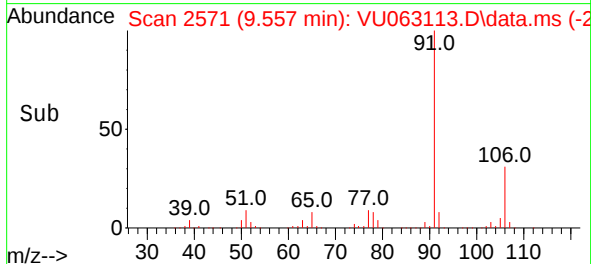
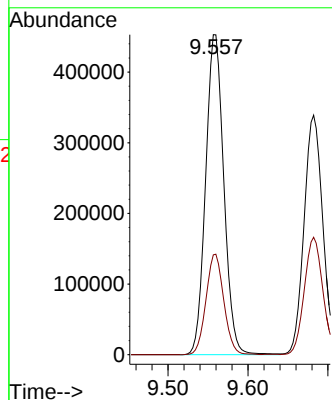
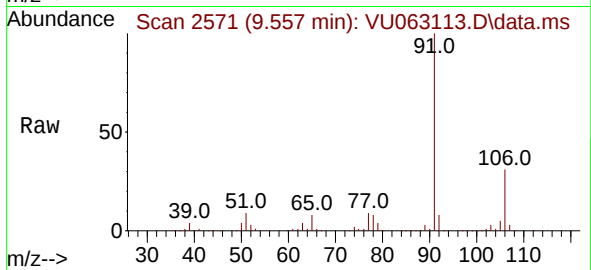




#52
Ethylbenzene
Concen: 22.012 ug/L
RT: 9.557 min Scan# 2571
Delta R.T. -0.003 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

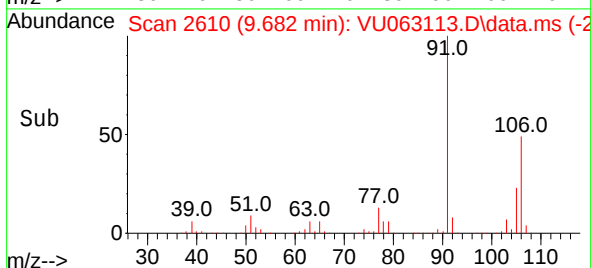
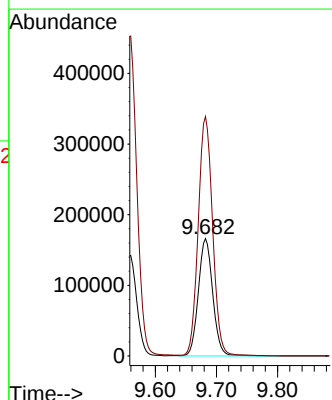
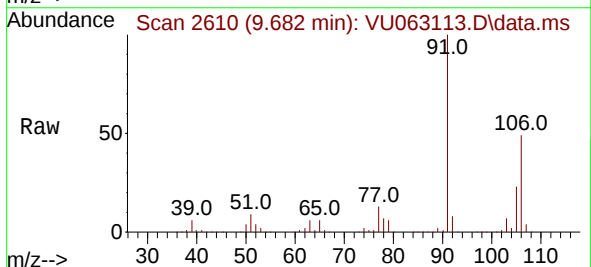
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

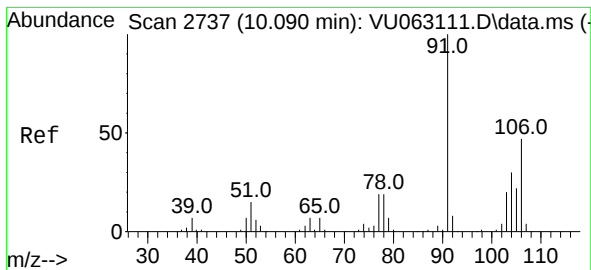
Tgt Ion: 91 Resp: 718229
Ion Ratio Lower Upper
91 100
106 31.2 21.1 39.3



#53
m,p-Xylene
Concen: 21.861 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. 0.000 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

Tgt Ion:106 Resp: 271105
Ion Ratio Lower Upper
106 100
91 203.9 147.7 274.3





#54

o-Xylene

Concen: 23.189 ug/L

RT: 10.087 min Scan# 2736

Delta R.T. -0.003 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

Instrument :

MSVOA_U

ClientSampleId :

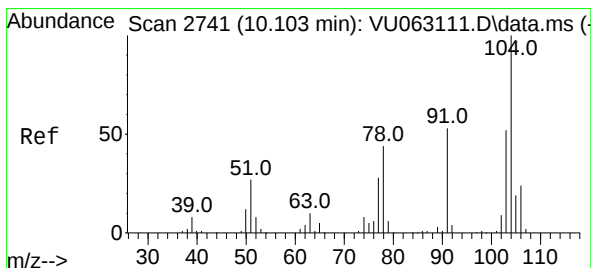
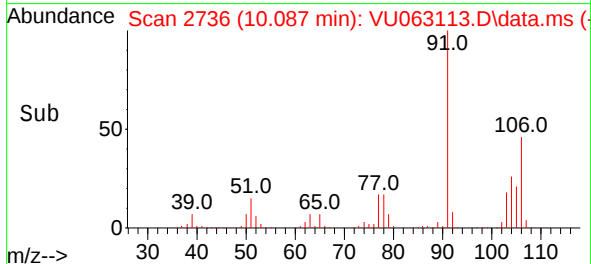
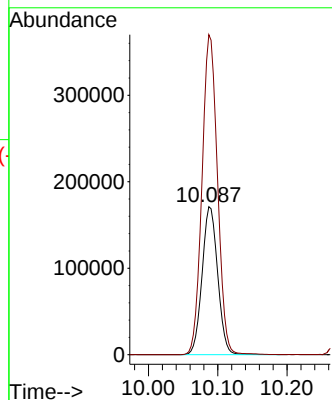
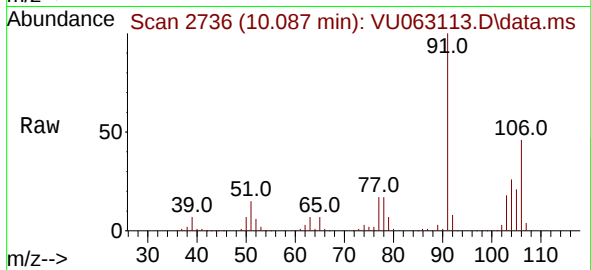
VSTD020078

Tgt Ion:106 Resp: 267054

Ion Ratio Lower Upper

106 100

91 216.1 149.9 278.5



#55

Styrene

Concen: 23.559 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. 0.000 min

Lab File: VU063113.D

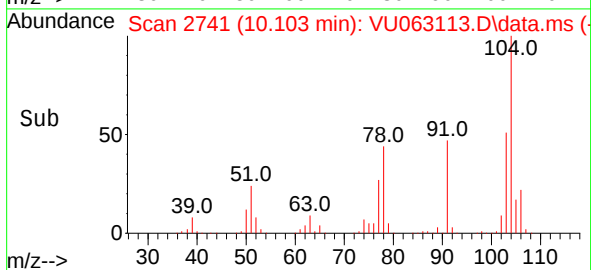
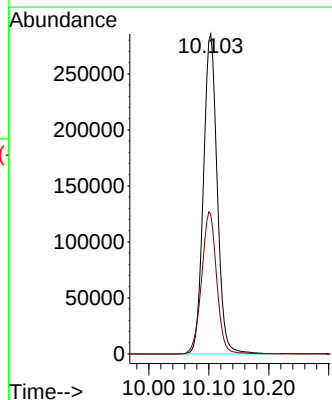
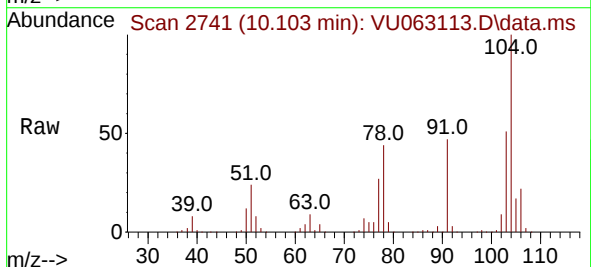
Acq: 03 Feb 2025 11:38

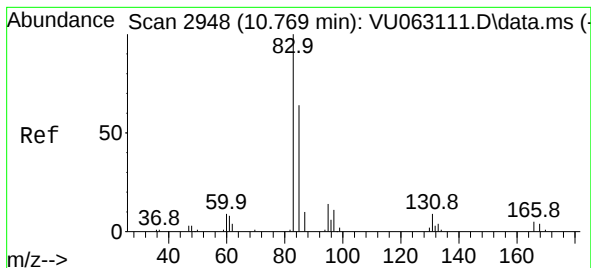
Tgt Ion:104 Resp: 458305

Ion Ratio Lower Upper

104 100

78 43.6 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 25.764 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD020078

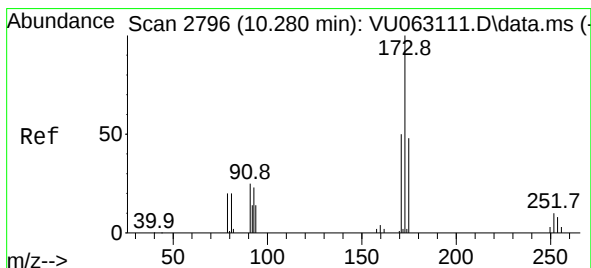
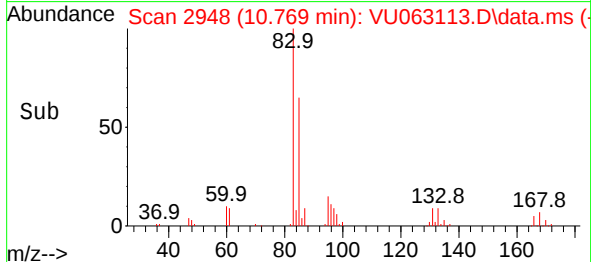
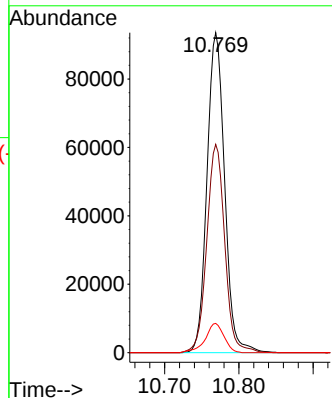
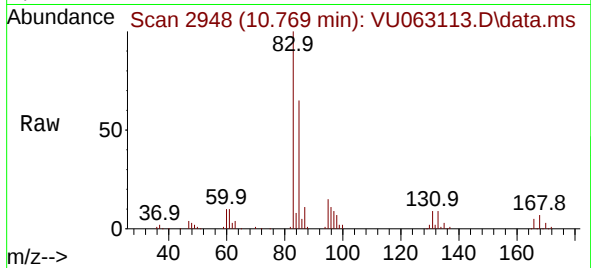
Tgt Ion: 83 Resp: 154047

Ion Ratio Lower Upper

83 100

85 65.1 45.2 84.0

131 9.1 7.4 11.0



#59

Bromoform

Concen: 18.531 ug/L

RT: 10.277 min Scan# 2795

Delta R.T. -0.003 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

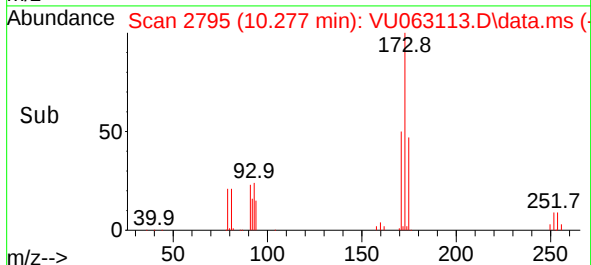
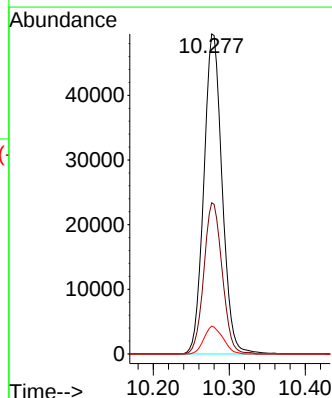
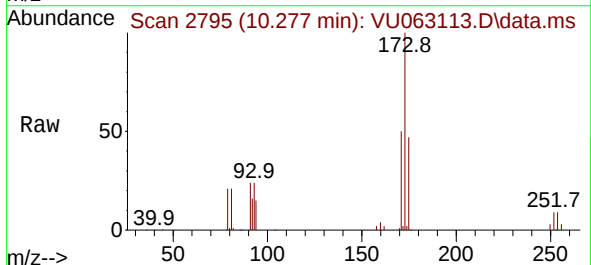
Tgt Ion:173 Resp: 82746

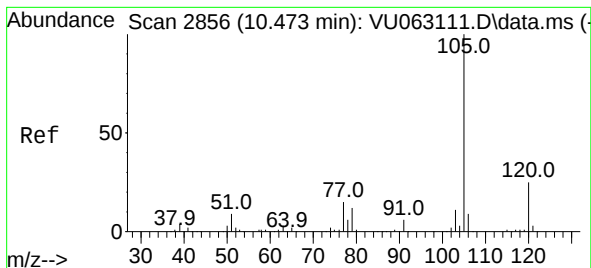
Ion Ratio Lower Upper

173 100

175 47.3 38.6 58.0

254 9.0 6.5 9.7





#60

Isopropylbenzene

Concen: 22.663 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. 0.000 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD020078

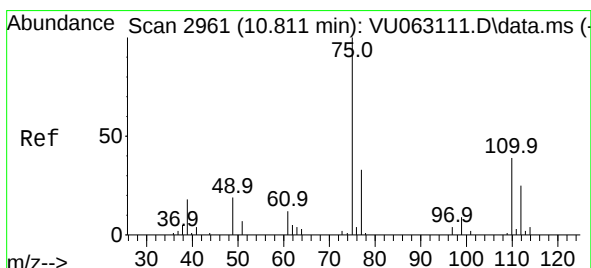
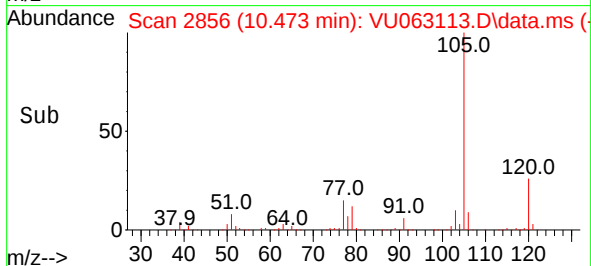
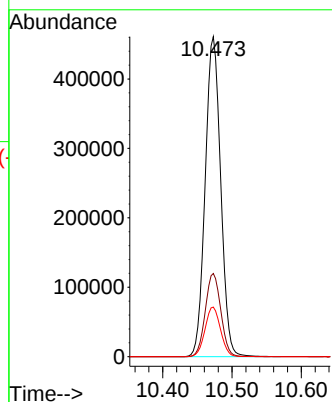
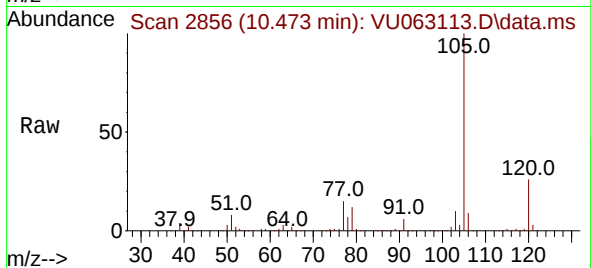
Tgt Ion:105 Resp: 712967

Ion Ratio Lower Upper

105 100

120 26.1 20.5 30.7

77 15.5 12.4 18.6



#61

1,2,3-Trichloropropane

Concen: 23.651 ug/L

RT: 10.807 min Scan# 2960

Delta R.T. -0.003 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

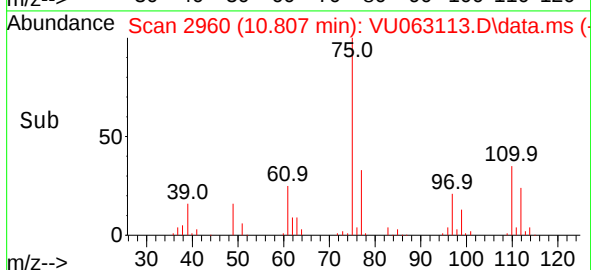
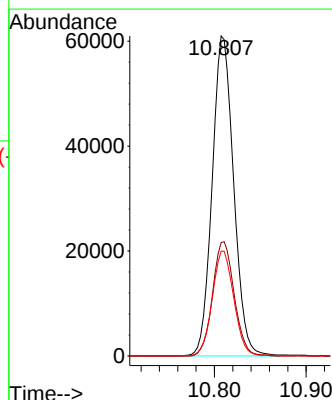
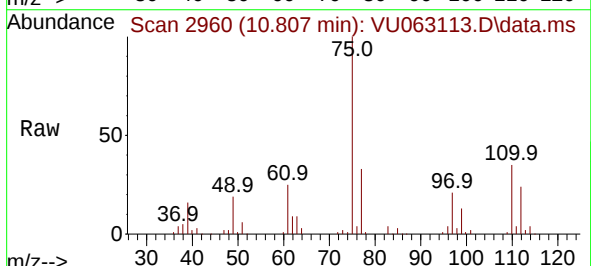
Tgt Ion: 75 Resp: 99256

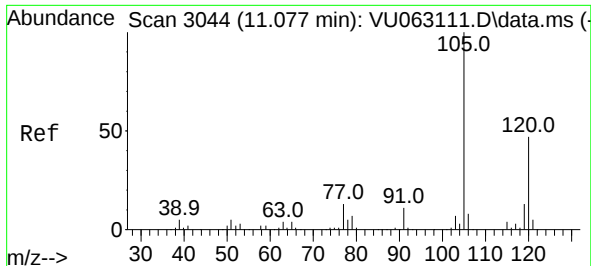
Ion Ratio Lower Upper

75 100

110 35.8 30.0 45.0

77 32.8 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 21.952 ug/L

RT: 11.077 min Scan# 3044

Delta R.T. 0.000 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

Instrument :

MSVOA_U

ClientSampleId :

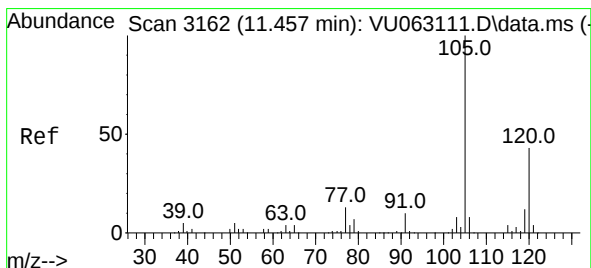
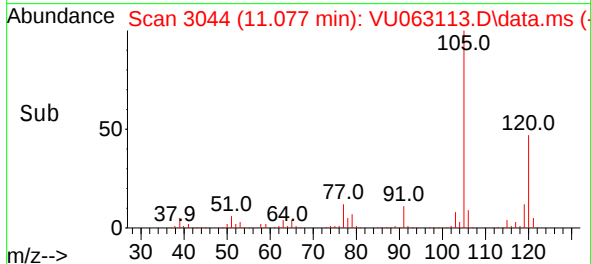
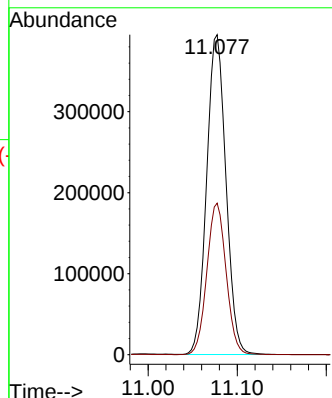
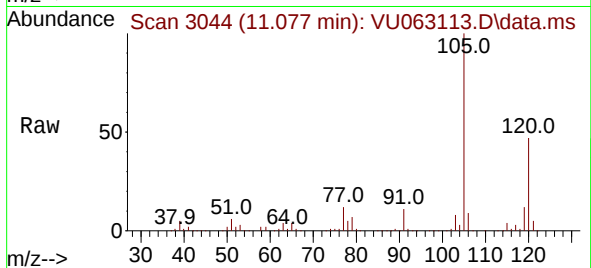
VSTD020078

Tgt Ion:105 Resp: 592805

Ion Ratio Lower Upper

105 100

120 47.2 37.3 55.9



#63

1,2,4-Trimethylbenzene

Concen: 23.118 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VU063113.D

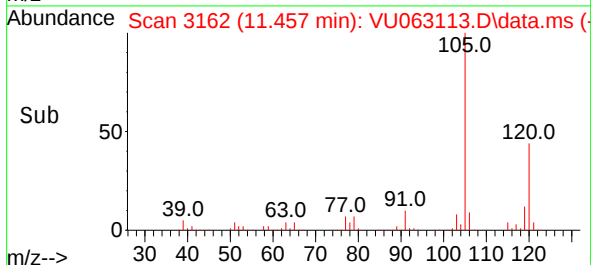
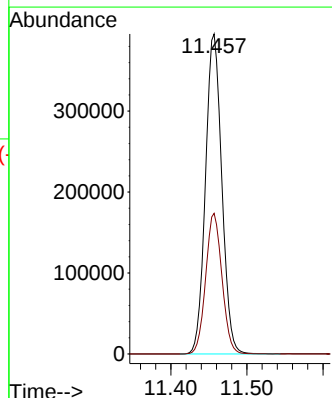
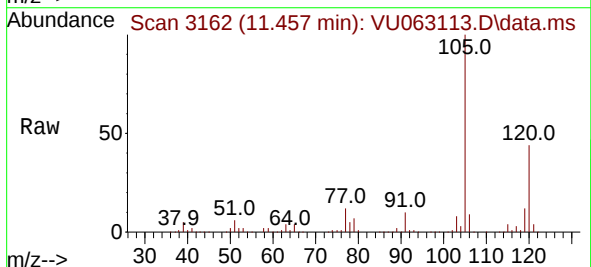
Acq: 03 Feb 2025 11:38

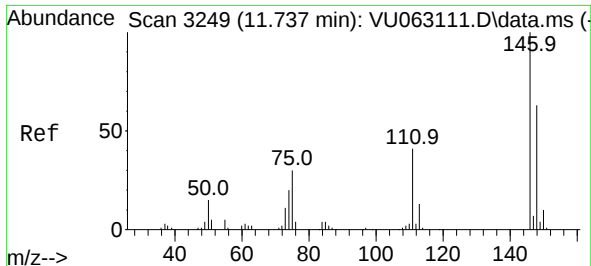
Tgt Ion:105 Resp: 589375

Ion Ratio Lower Upper

105 100

120 43.8 34.8 52.2

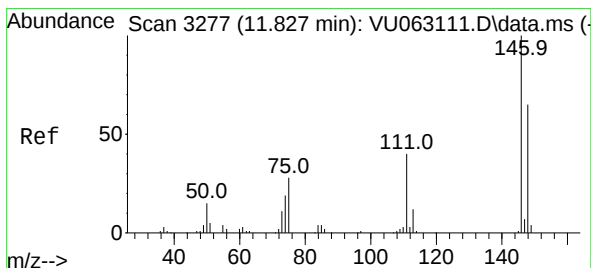
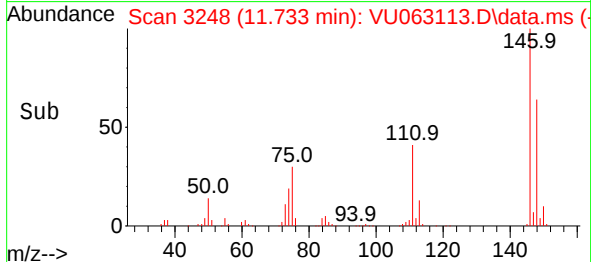
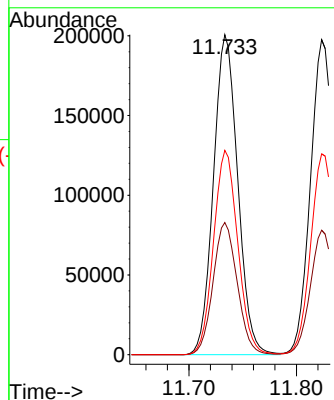
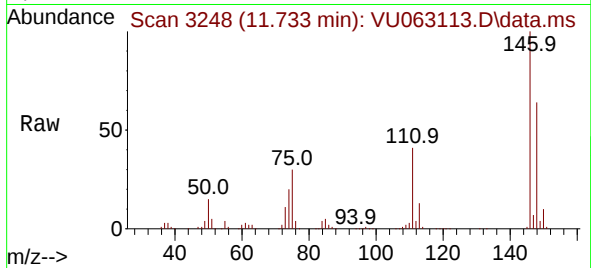




#64
1,3-Dichlorobenzene
Concen: 20.301 ug/L
RT: 11.733 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

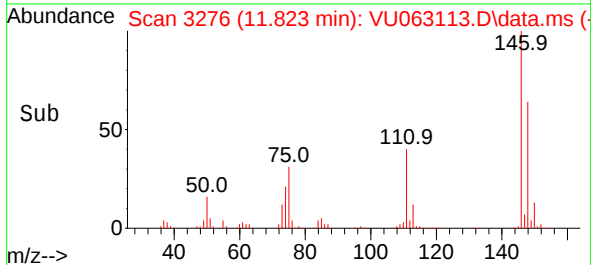
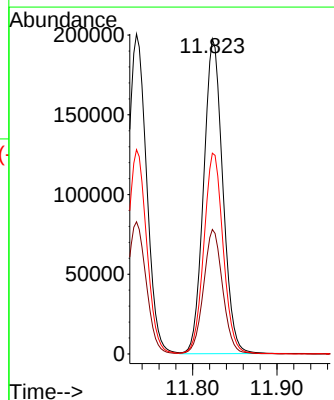
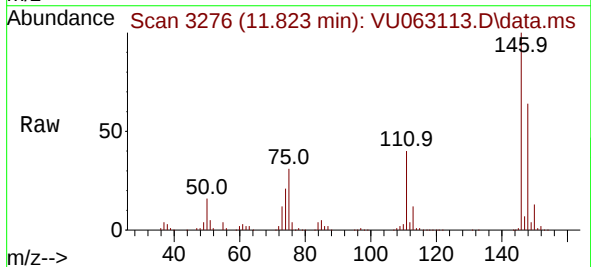
Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

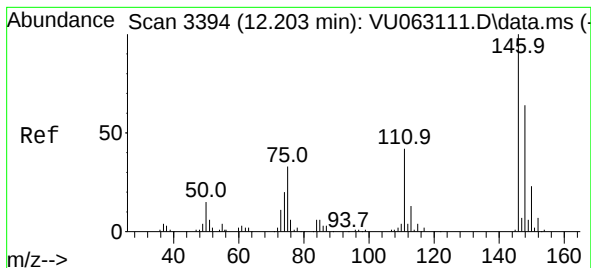
Tgt Ion:146 Resp: 314798
Ion Ratio Lower Upper
146 100
111 41.3 28.6 53.0
148 63.9 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 20.198 ug/L
RT: 11.823 min Scan# 3276
Delta R.T. -0.003 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

Tgt Ion:146 Resp: 313066
Ion Ratio Lower Upper
146 100
111 39.5 28.1 52.1
148 63.7 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 20.321 ug/L

RT: 12.200 min Scan# 3394

Delta R.T. -0.003 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD020078

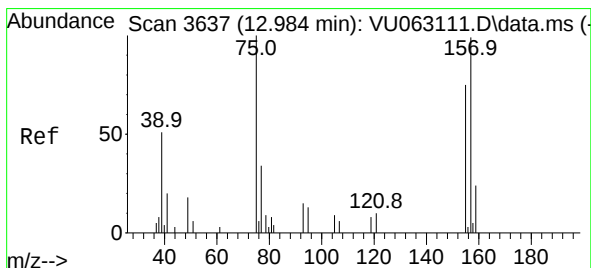
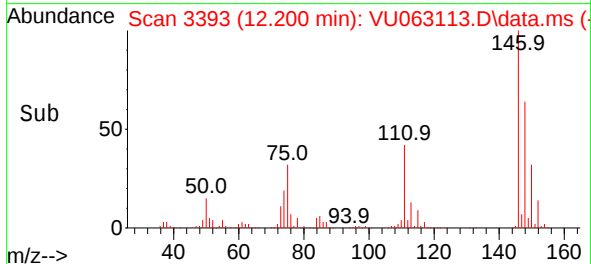
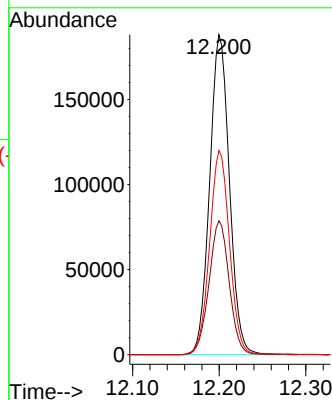
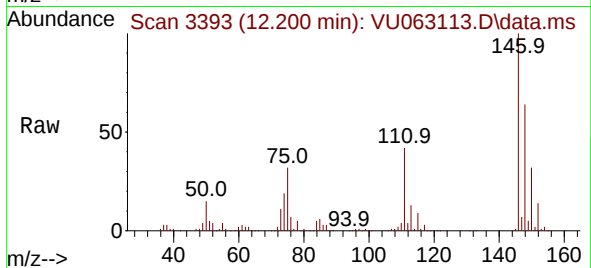
Tgt Ion:146 Resp: 297744

Ion Ratio Lower Upper

146 100

111 41.9 33.8 50.8

148 63.8 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 15.356 ug/L

RT: 12.984 min Scan# 3637

Delta R.T. 0.000 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

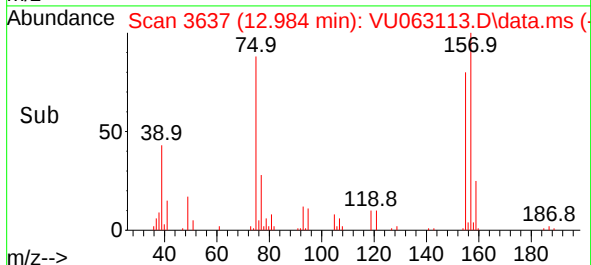
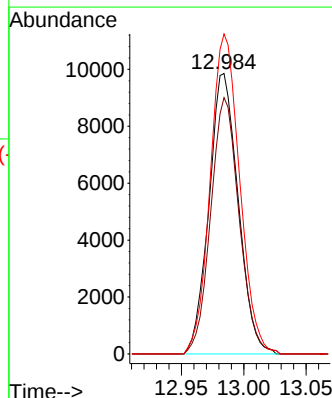
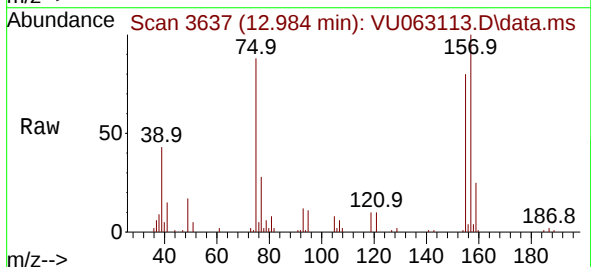
Tgt Ion: 75 Resp: 16060

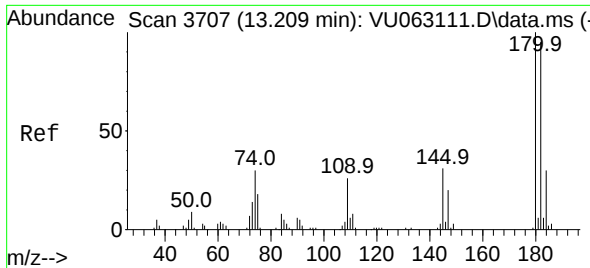
Ion Ratio Lower Upper

75 100

155 91.3 59.9 89.9#

157 114.1 79.2 118.8





#69

1,3,5-Trichlorobenzene

Concen: 14.556 ug/L

RT: 13.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD020078

Tgt Ion:180 Resp: 174827

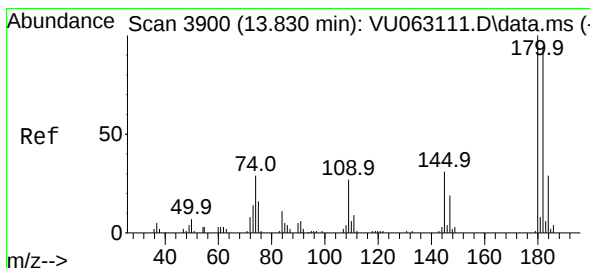
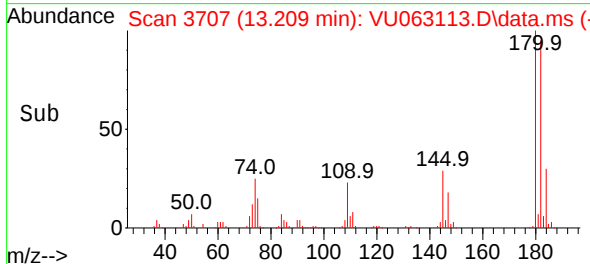
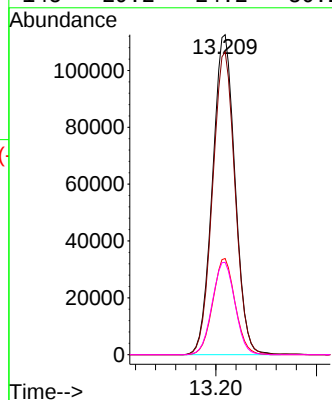
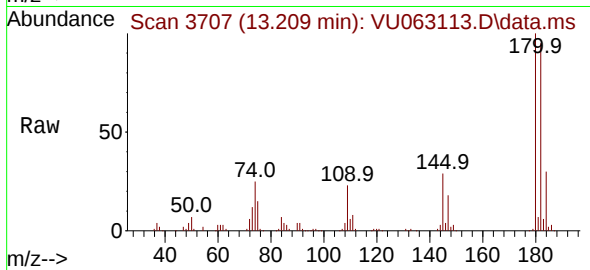
Ion Ratio Lower Upper

180 100

182 94.6 77.8 116.8

184 29.7 24.6 37.0

145 29.2 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 14.795 ug/L

RT: 13.827 min Scan# 3899

Delta R.T. -0.003 min

Lab File: VU063113.D

Acq: 03 Feb 2025 11:38

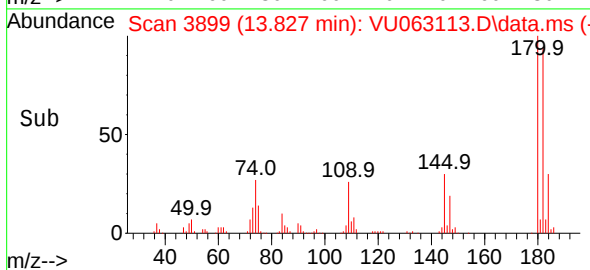
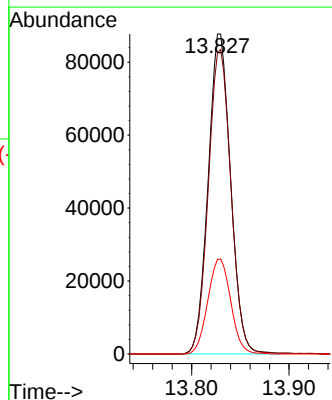
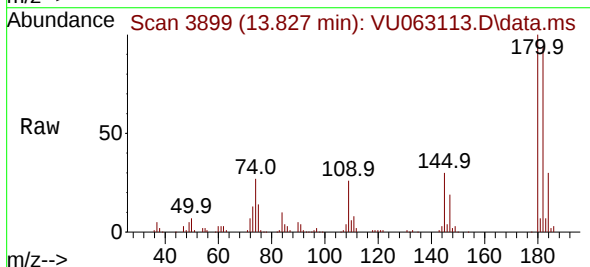
Tgt Ion:180 Resp: 140183

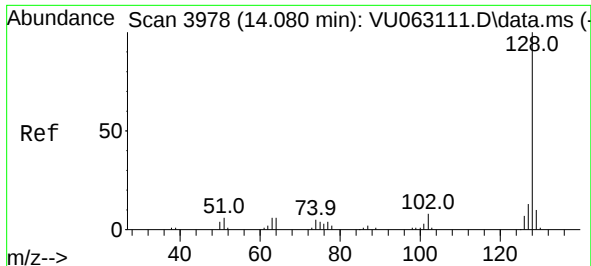
Ion Ratio Lower Upper

180 100

182 96.0 74.4 111.6

145 30.4 25.1 37.7

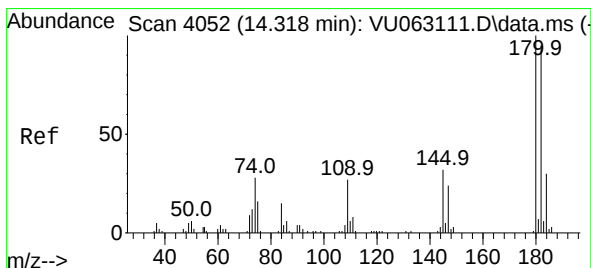
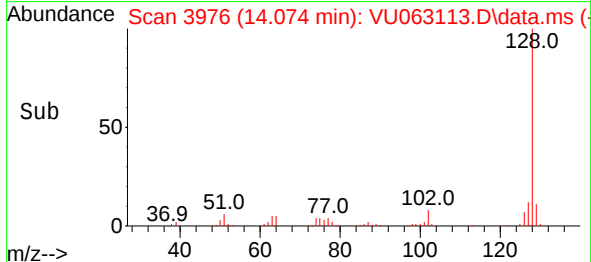
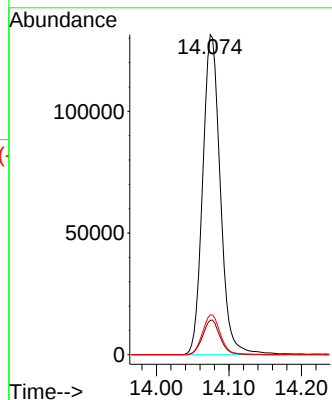
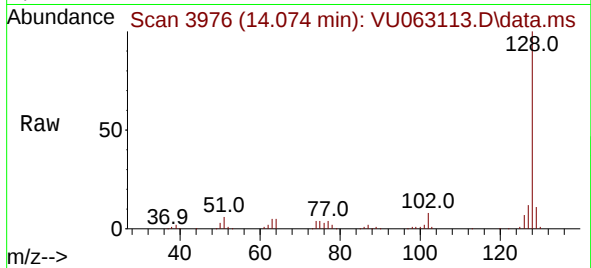




#71
Naphthalene
Concen: 17.518 ug/L
RT: 14.074 min Scan# 3976
Delta R.T. -0.006 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD020078

Tgt Ion:128 Resp: 221914
Ion Ratio Lower Upper
128 100
129 10.7 8.2 12.2
127 12.7 10.5 15.7



#72
1,2,3-Trichlorobenzene
Concen: 14.967 ug/L
RT: 14.318 min Scan# 4052
Delta R.T. 0.000 min
Lab File: VU063113.D
Acq: 03 Feb 2025 11:38

Tgt Ion:180 Resp: 122985
Ion Ratio Lower Upper
180 100
182 93.9 77.0 115.6
145 31.4 25.6 38.4

