

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020325\
 Data File : VU063111.D
 Acq On : 03 Feb 2025 10:49
 Operator : MD/SY
 Sample : VSTD005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005076

Quant Time: Feb 04 07:29:18 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	100640	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	93760	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	45393	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	35185	8.428	ug/L	0.00
7) Chloroethane-d5	1.901	69	28867	8.738	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	65	15239	6.567	ug/L	0.00
20) 2-Butanone-d5	4.605	46	84862	70.747	ug/L	0.00
24) Chloroform-d	5.049	84	70859	4.917	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.689	65	32618	4.125	ug/L	0.00
32) Benzene-d6	5.714	84	138162	6.033	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	46719	7.366	ug/L	0.00
41) Toluene-d8	7.885	98	127028	5.757	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	17208	5.039	ug/L	0.00
46) 2-Hexanone-d5	8.618	63	73342	75.094	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	37733	6.612	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	42250	5.164	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	31927	3.868	ug/L	100
3) Chloromethane	1.515	50	39584	8.071	ug/L	100
5) Vinyl chloride	1.599	62	41833	7.737	ug/L	100
6) Bromomethane	1.843	94	22580	8.241	ug/L	100
8) Chloroethane	1.923	64	23674	8.323	ug/L	100
9) Trichlorofluoromethane	2.129	101	54116	4.585	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	34874	5.681	ug/L	100
12) 1,1-Dichloroethene	2.570	96	32603	5.972	ug/L	100
13) Acetone	2.611	43	46007	63.617	ug/L	100
14) Carbon disulfide	2.782	76	94329	6.518	ug/L	100
15) Methyl Acetate	2.943	43	12685	8.189	ug/L	100
16) Methylene chloride	3.029	84	37198	6.291	ug/L	100
17) Methyl tert-butyl Ether	3.348	73	85112	5.332	ug/L	100
18) trans-1,2-Dichloroethene	3.341	96	33678	5.790	ug/L	100
19) 1,1-Dichloroethane	3.853	63	66543	6.357	ug/L	100
21) 2-Butanone	4.685	43	78112	73.819	ug/L	100
22) cis-1,2-Dichloroethene	4.653	96	39982	5.691	ug/L	100
23) Bromochloromethane	4.959	128	17361	5.147	ug/L	100
25) Chloroform	5.071	83	69184	4.916	ug/L	100
27) 1,2-Dichloroethane	5.782	62	39368	4.159	ug/L	100
29) 1,1,1-Trichloroethane	5.299	97	56600	4.092	ug/L	100
30) Cyclohexane	5.373	56	51382	6.786	ug/L	100
31) Carbon tetrachloride	5.512	117	48535	3.730	ug/L	100
33) Benzene	5.759	78	150229	6.160	ug/L	100
34) Trichloroethene	6.531	95	38568	4.926	ug/L	100
35) Methylcyclohexane	6.750	83	55330	5.483	ug/L	100
37) 1,2-Dichloropropane	6.779	63	40626	7.025	ug/L	100
38) Bromodichloromethane	7.094	83	50376	4.920	ug/L	100
39) cis-1,3-Dichloropropene	7.595	75	59369	5.872	ug/L	100
40) 4-Methyl-2-pentanone	7.775	43	203274	71.955	ug/L	100
42) Toluene	7.959	91	163244	5.796	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	49245	5.453	ug/L	100

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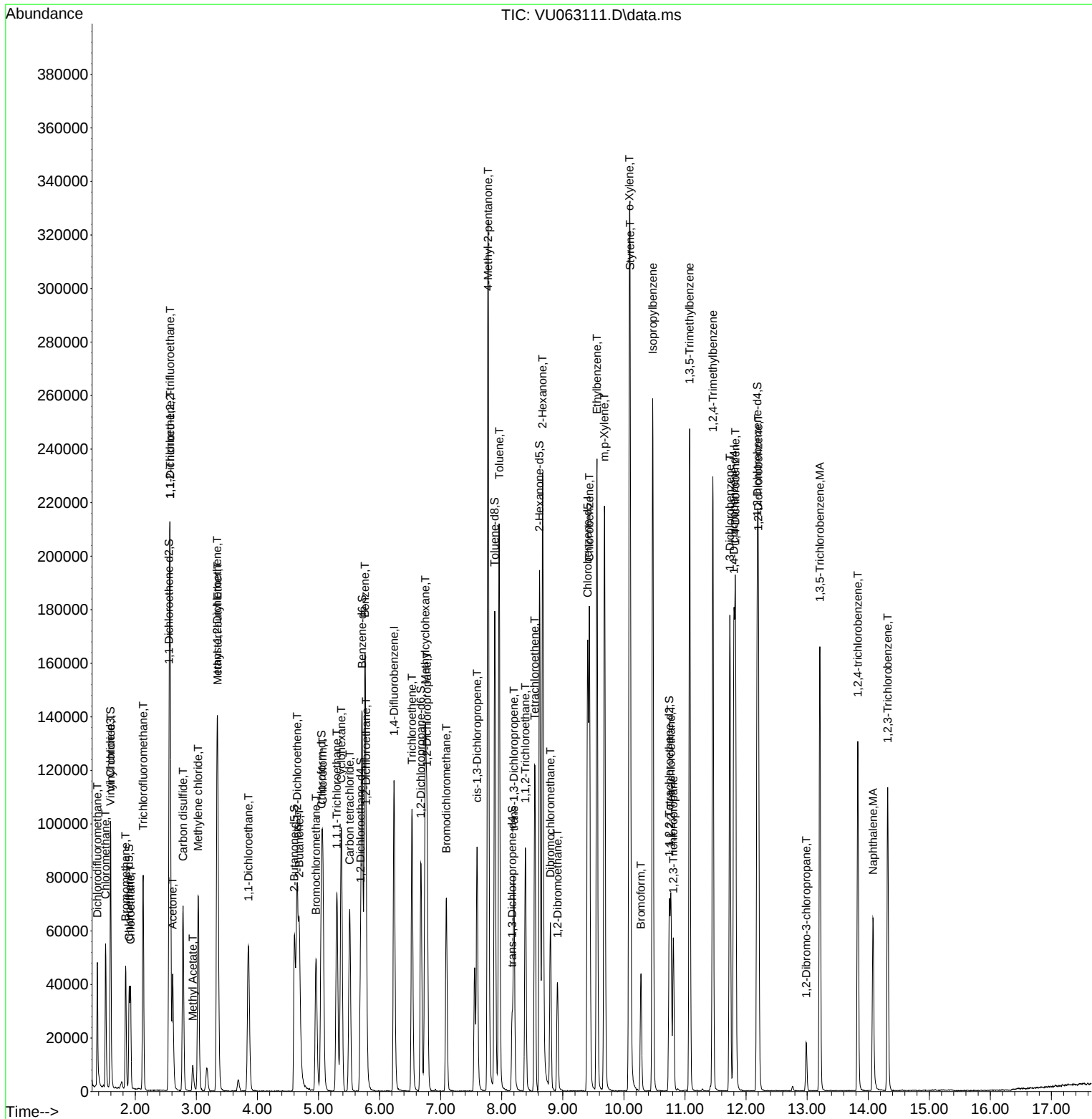
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

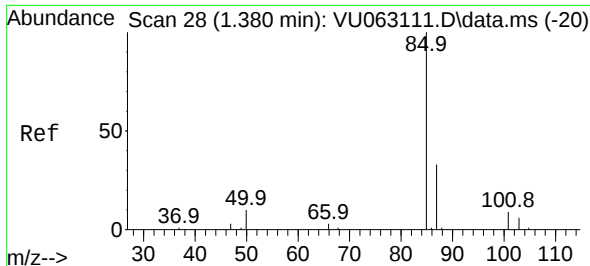
45) 1,1,2-Trichloroethane	8.386	97	30187	5.922	ug/L	100
47) Tetrachloroethene	8.541	164	27664	4.331	ug/L	100
48) 2-Hexanone	8.669	43	143323	72.653	ug/L	100
49) Dibromochloromethane	8.798	129	33146	4.560	ug/L	100
50) 1,2-Dibromoethane	8.913	107	28050	5.610	ug/L	100
51) Chlorobenzene	9.434	112	101092	5.314	ug/L	100
52) Ethylbenzene	9.560	91	172088	5.354	ug/L	100
53) m,p-Xylene	9.682	106	64110	5.248	ug/L	100
54) o-Xylene	10.090	106	63642	5.610	ug/L	100
55) Styrene	10.103	104	106959	5.582	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.769	83	38205	6.487	ug/L	100
59) Bromoform	10.280	173	20331	4.813	ug/L	100
60) Isopropylbenzene	10.473	105	169591	5.698	ug/L	100
61) 1,2,3-Trichloropropane	10.811	75	24734	6.229	ug/L	100
62) 1,3,5-Trimethylbenzene	11.077	105	136027	5.324	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	132206	5.481	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	76361	5.205	ug/L	100
65) 1,4-Dichlorobenzene	11.827	146	74464	5.078	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	72357	5.220	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.984	75	5574	5.633	ug/L	100
69) 1,3,5-Trichlorobenzene	13.209	180	52505	4.620	ug/L	100
70) 1,2,4-trichlorobenzene	13.830	180	41445	4.623	ug/L	100
71) Naphthalene	14.080	128	60323	5.033	ug/L	100
72) 1,2,3-Trichlorobenzene	14.318	180	36256	4.664	ug/L	100

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

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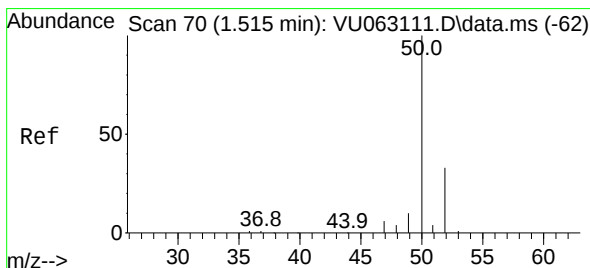
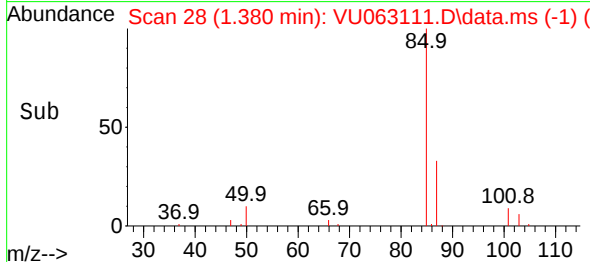
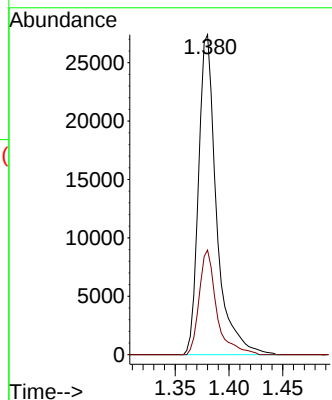
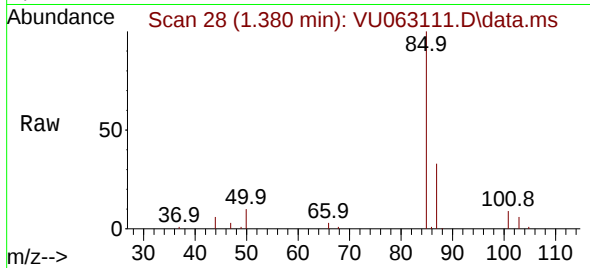




#2
 Dichlorodifluoromethane
 Concen: 3.868 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU063111.D
 Acq: 03 Feb 2025 10:49

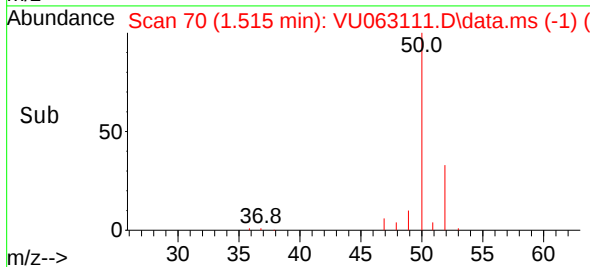
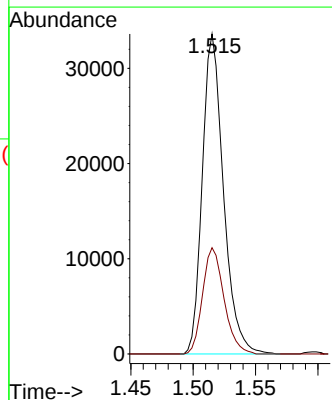
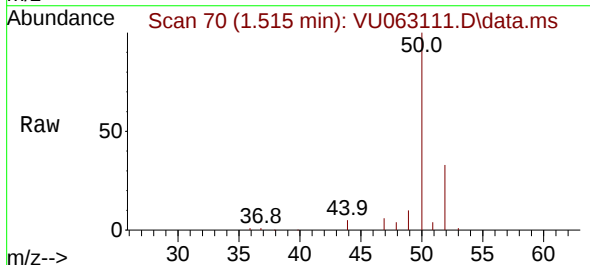
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005076

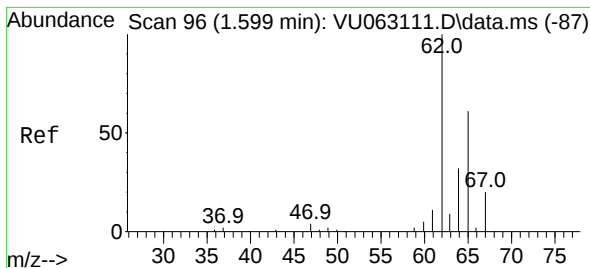
Tgt Ion: 85 Resp: 31927
 Ion Ratio Lower Upper
 85 100
 87 31.7 25.4 38.0



#3
 Chloromethane
 Concen: 8.071 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU063111.D
 Acq: 03 Feb 2025 10:49

Tgt Ion: 50 Resp: 39584
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.2 43.2





#5

Vinyl chloride

Concen: 7.737 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

Instrument :

MSVOA_U

ClientSampleId :

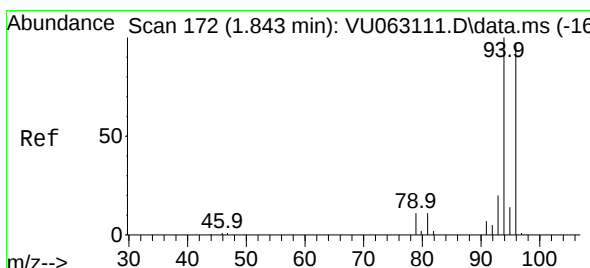
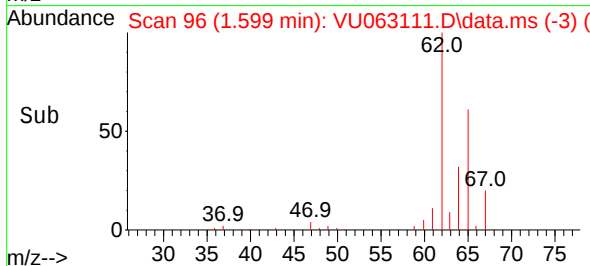
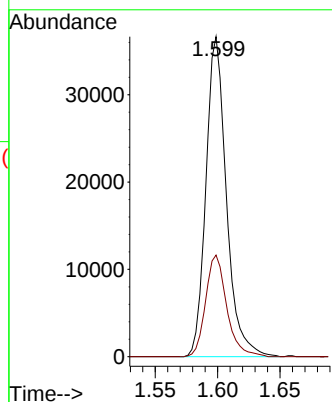
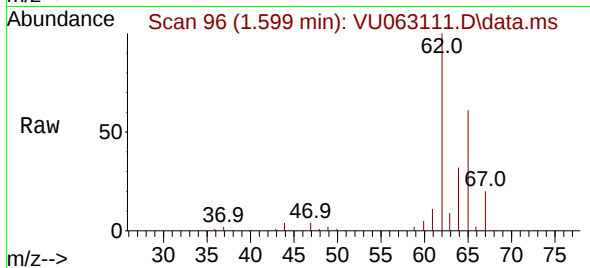
VSTD005076

Tgt Ion: 62 Resp: 41833

Ion Ratio Lower Upper

62 100

64 31.8 22.3 41.3



#6

Bromomethane

Concen: 8.241 ug/L

RT: 1.843 min Scan# 172

Delta R.T. 0.000 min

Lab File: VU063111.D

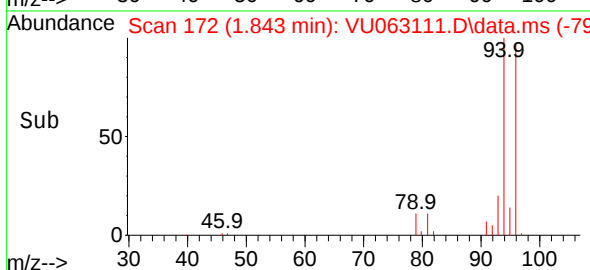
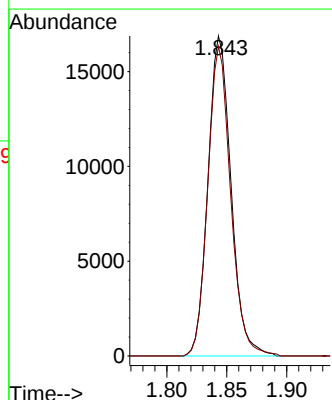
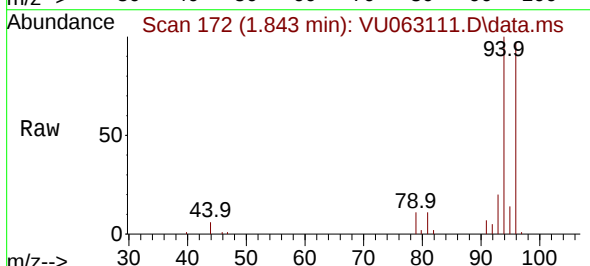
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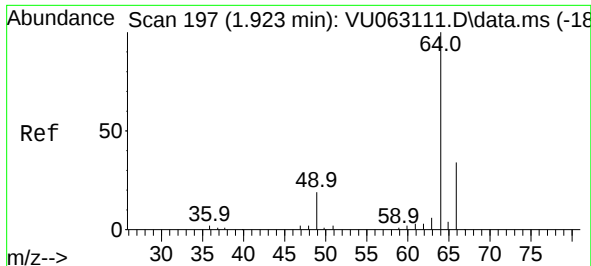
Tgt Ion: 94 Resp: 22580

Ion Ratio Lower Upper

94 100

96 96.8 67.8 125.8

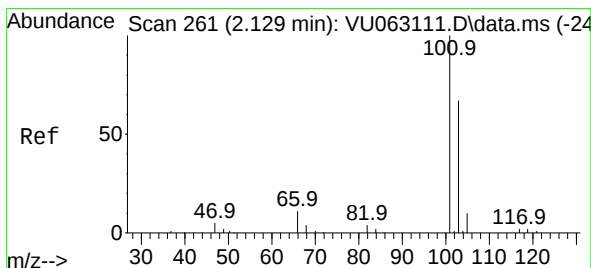
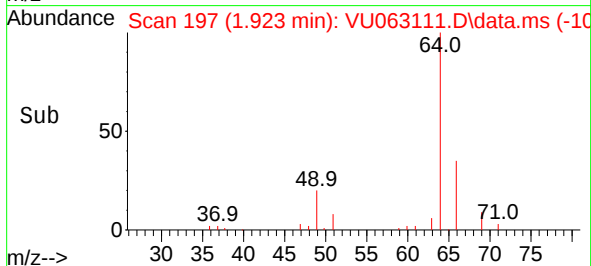
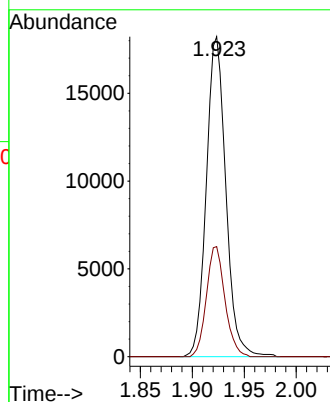
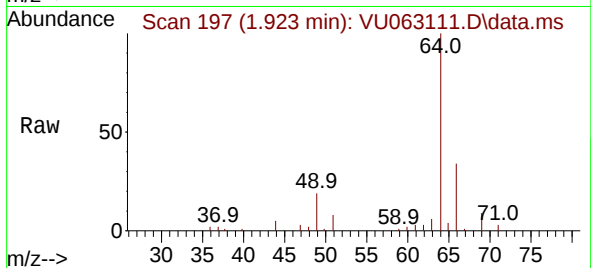




#8
Chloroethane
Concen: 8.323 ug/L
RT: 1.923 min Scan# 197
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

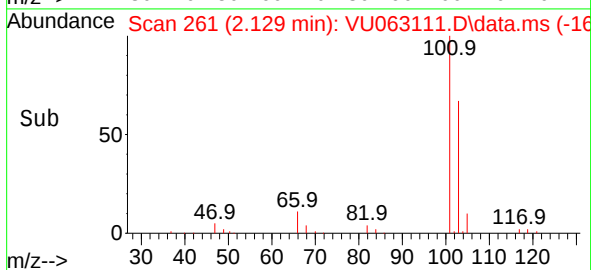
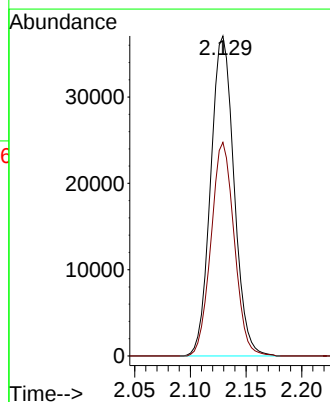
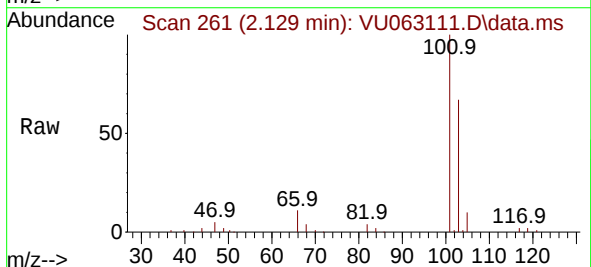
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

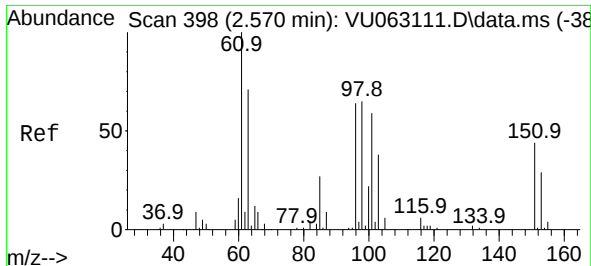
Tgt Ion: 64 Resp: 23674
Ion Ratio Lower Upper
64 100
66 34.4 24.1 44.7



#9
Trichlorofluoromethane
Concen: 4.585 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Tgt Ion:101 Resp: 54116
Ion Ratio Lower Upper
101 100
103 66.2 53.0 79.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.681 ug/L

RT: 2.570 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005076

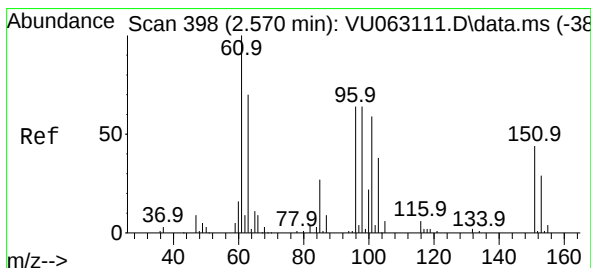
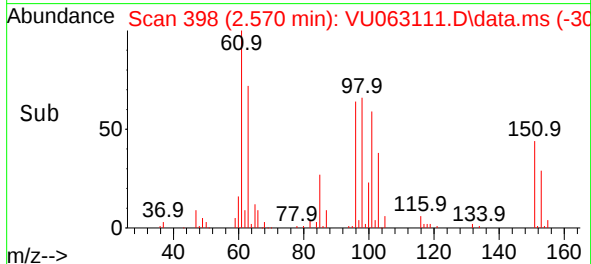
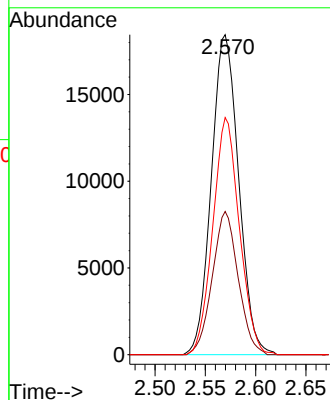
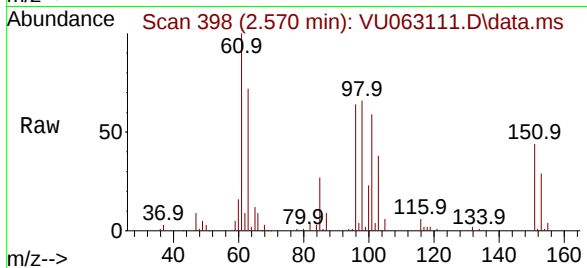
Tgt Ion:101 Resp: 34874

Ion Ratio Lower Upper

101 100

85 42.5 34.0 51.0

151 72.1 57.7 86.5



#12

1,1-Dichloroethene

Concen: 5.972 ug/L

RT: 2.570 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

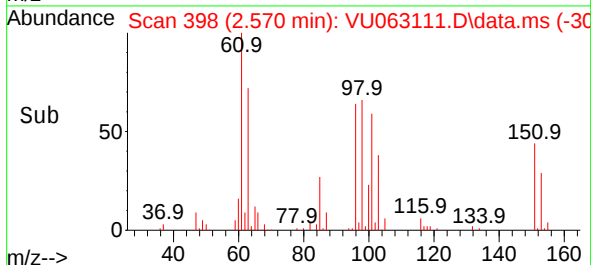
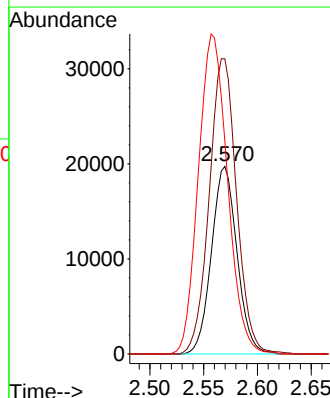
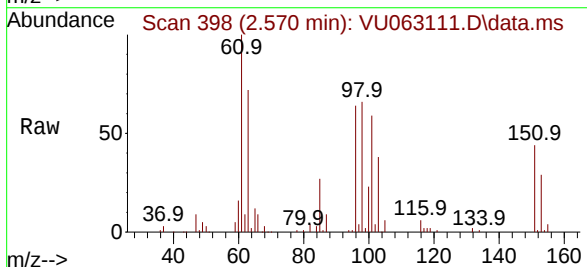
Tgt Ion: 96 Resp: 32603

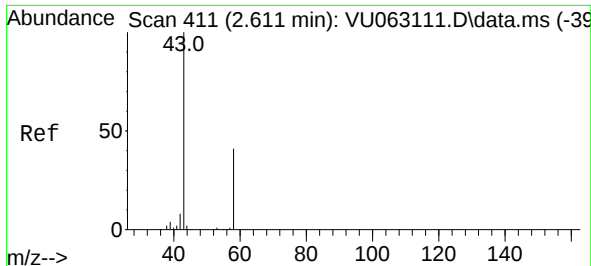
Ion Ratio Lower Upper

96 100

61 157.4 110.2 204.6

63 113.7 79.6 147.8





#13

Acetone

Concen: 63.617 ug/L

RT: 2.611 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU063111.D

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ClientSampleId :

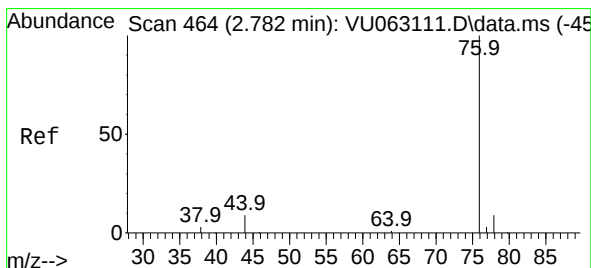
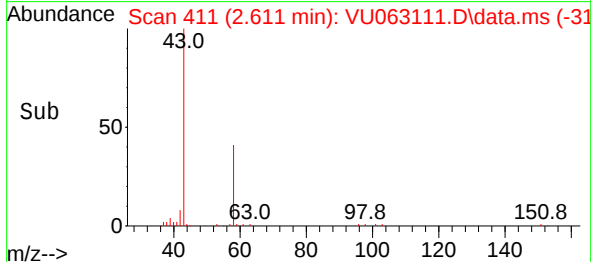
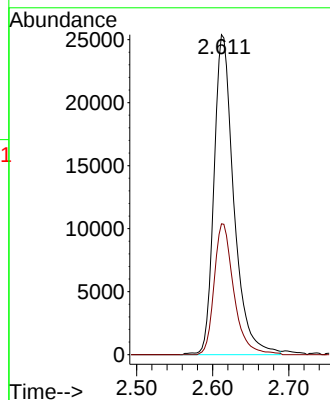
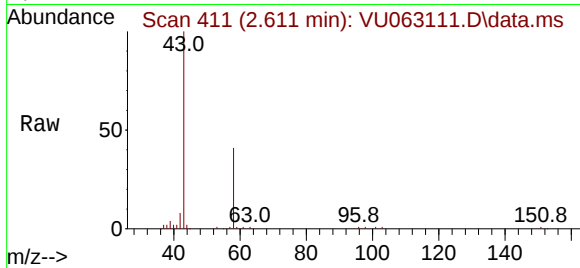
VSTD005076

Tgt Ion: 43 Resp: 46007

Ion Ratio Lower Upper

43 100

58 40.5 0.0 81.0



#14

Carbon disulfide

Concen: 6.518 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

Lab File: VU063111.D

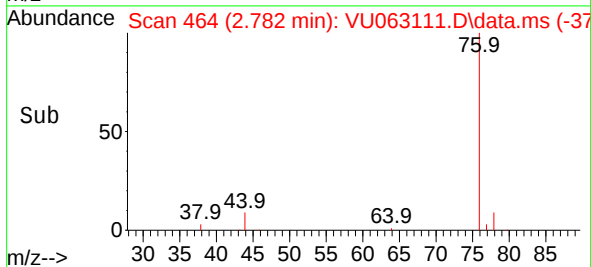
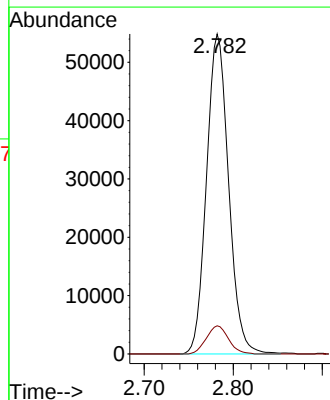
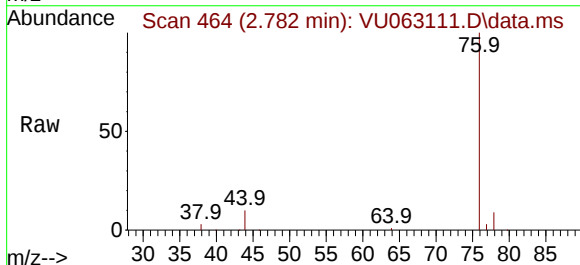
Acq: 03 Feb 2025 10:49

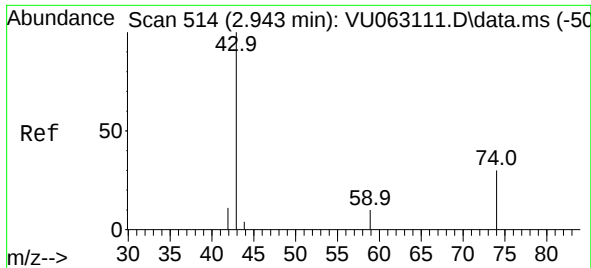
Tgt Ion: 76 Resp: 94329

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

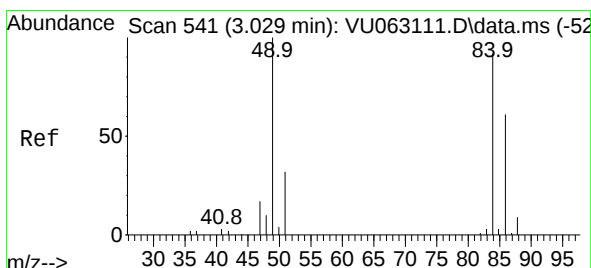
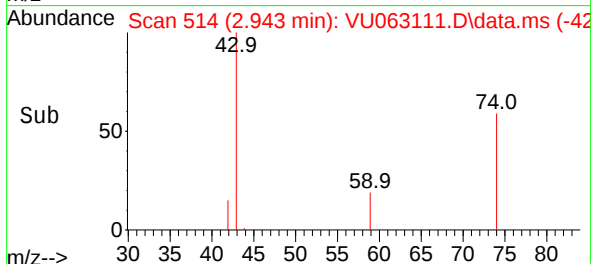
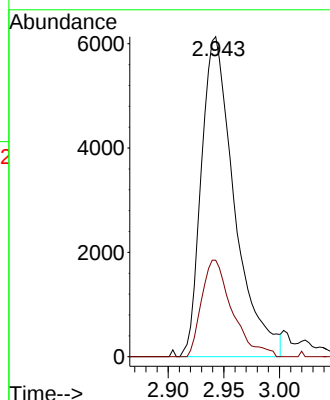
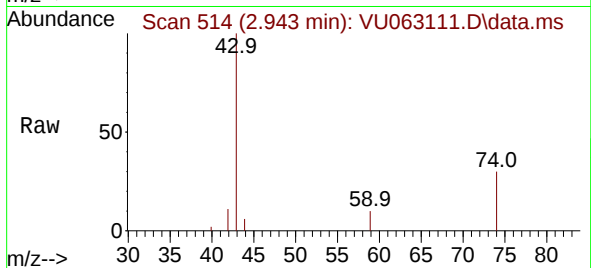




#15
Methyl Acetate
Concen: 8.189 ug/L
RT: 2.943 min Scan# 514
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

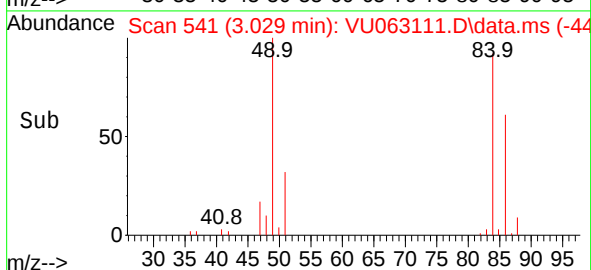
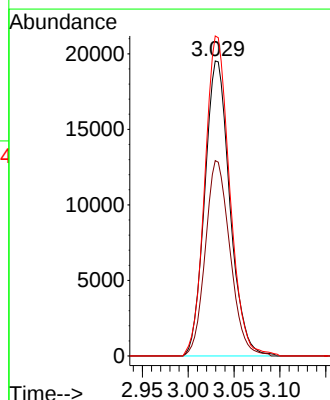
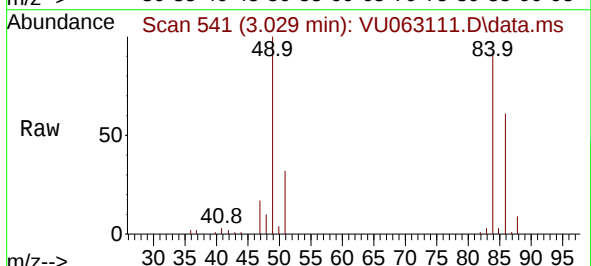
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

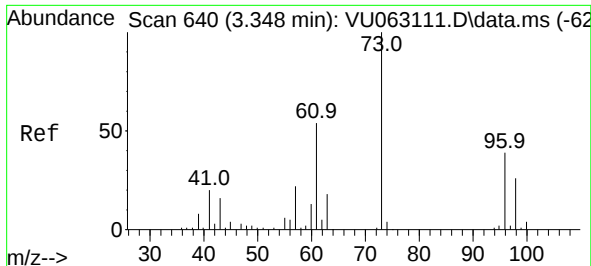
Tgt Ion: 43 Resp: 12685
Ion Ratio Lower Upper
43 100
74 27.9 22.3 33.5



#16
Methylene chloride
Concen: 6.291 ug/L
RT: 3.029 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Tgt Ion: 84 Resp: 37198
Ion Ratio Lower Upper
84 100
86 66.2 46.3 86.1
49 108.5 75.9 141.1

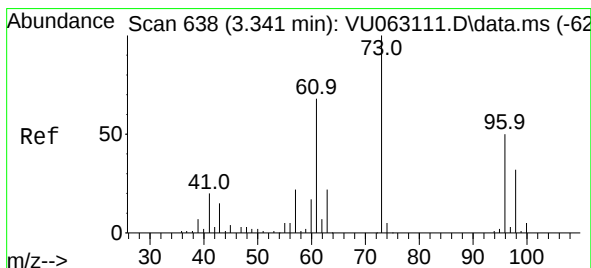
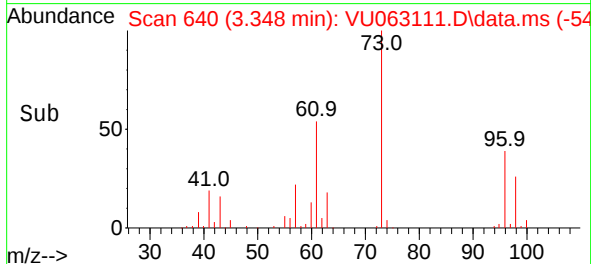
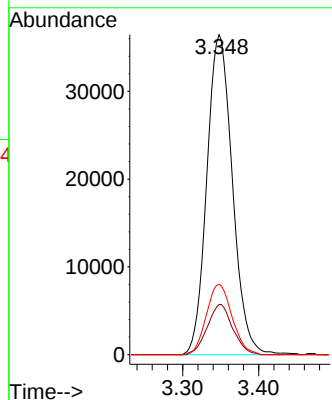
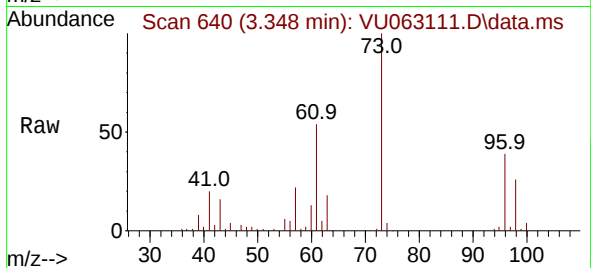




#17
Methyl tert-butyl Ether
Concen: 5.332 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

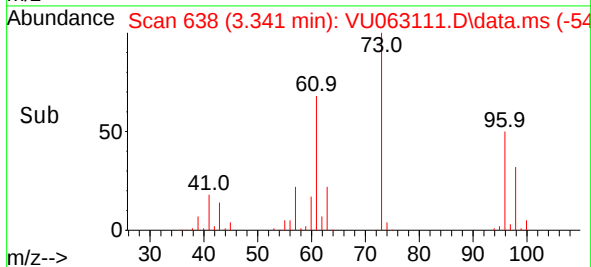
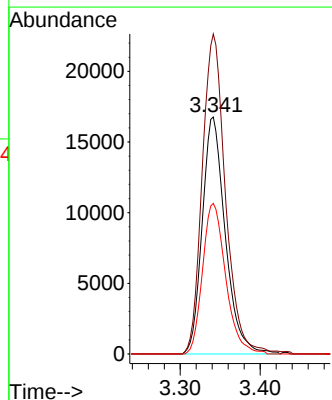
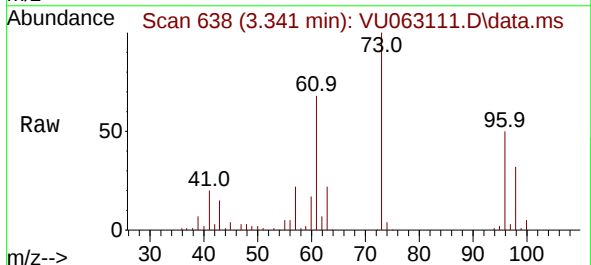
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

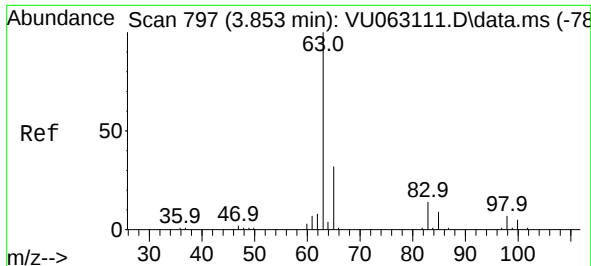
Tgt Ion: 73	Resp: 85112
Ion Ratio	Lower Upper
73 100	
43 15.6	12.5 18.7
57 22.0	17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 5.790 ug/L
RT: 3.341 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Tgt Ion: 96	Resp: 33678
Ion Ratio	Lower Upper
96 100	
61 135.1	94.6 175.6
98 63.5	44.4 82.5

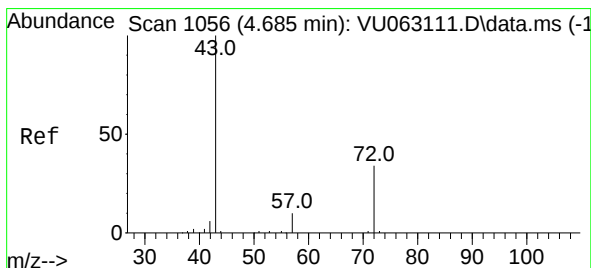
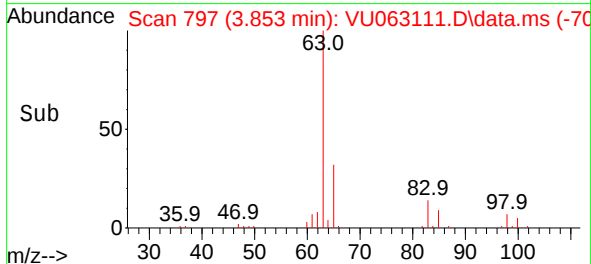
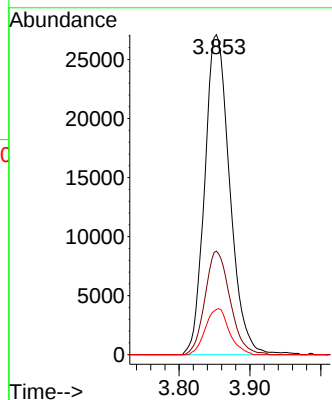
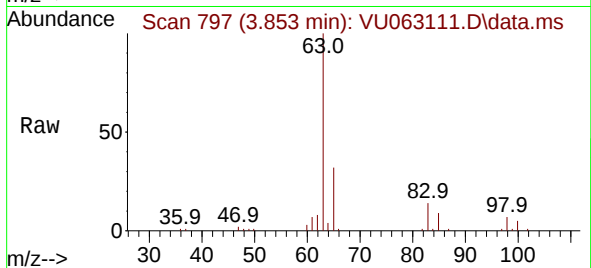




#19
1,1-Dichloroethane
Concen: 6.357 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

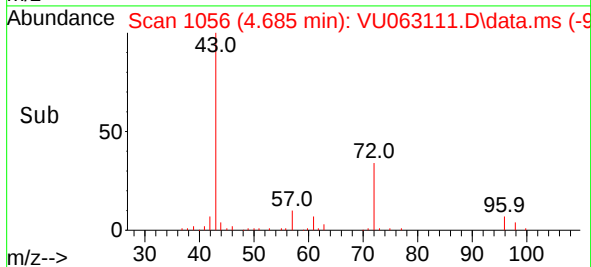
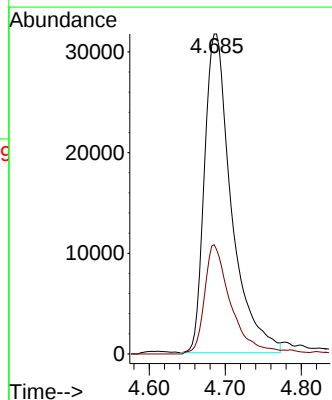
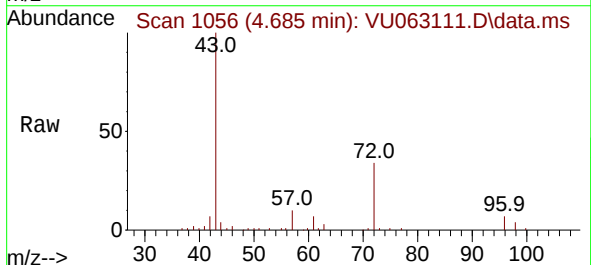
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

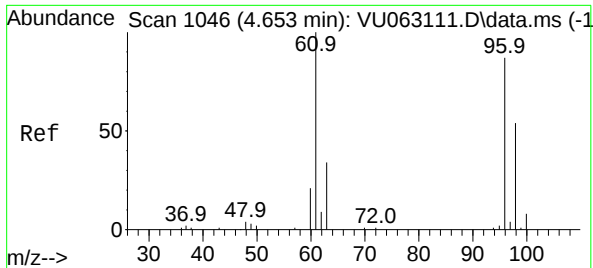
Tgt Ion:	63	Resp:	66543
Ion Ratio	Lower	Upper	
63	100		
65	32.4	22.7	42.1
83	14.1	9.9	18.3



#21
2-Butanone
Concen: 73.819 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Tgt Ion:	43	Resp:	78112
Ion Ratio	Lower	Upper	
43	100		
72	33.3	16.7	50.0





#22

cis-1,2-Dichloroethene

Concen: 5.691 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005076

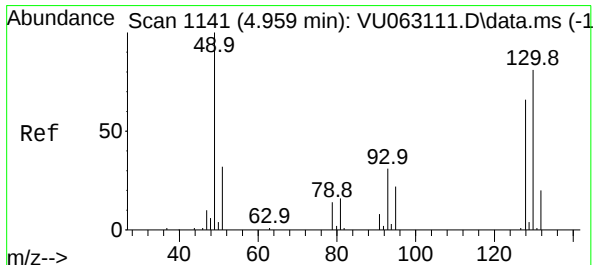
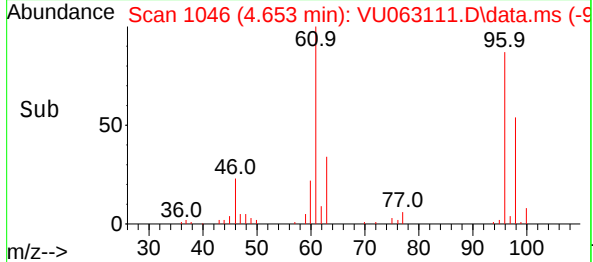
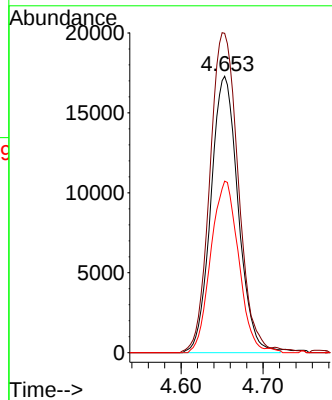
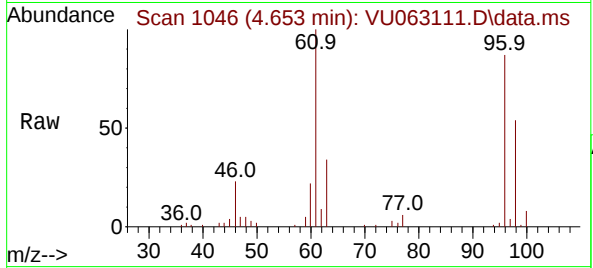
Tgt Ion: 96 Resp: 39982

Ion Ratio Lower Upper

96 100

61 115.5 80.8 150.2

98 62.0 43.4 80.6



#23

Bromochloromethane

Concen: 5.147 ug/L

RT: 4.959 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

Tgt Ion: 128 Resp: 17361

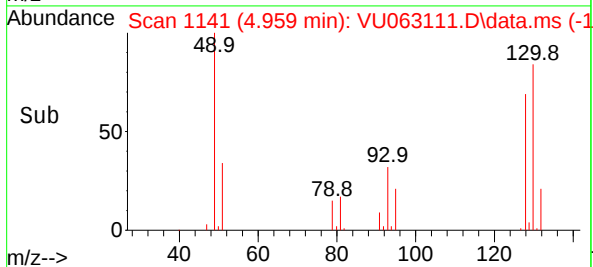
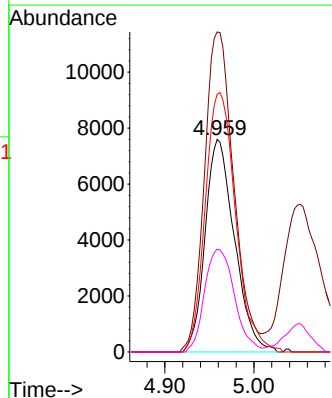
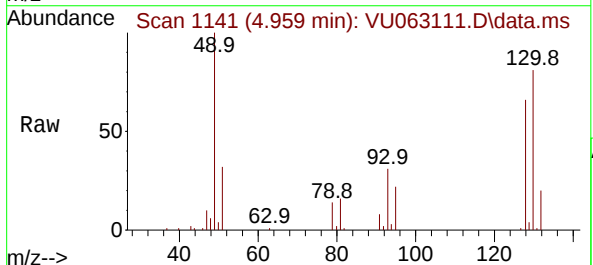
Ion Ratio Lower Upper

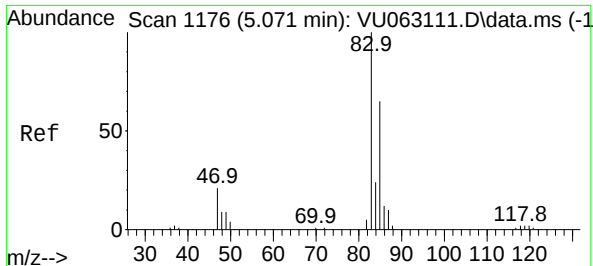
128 100

49 150.6 105.4 195.8

130 121.4 85.0 157.8

51 48.4 38.7 58.1





#25

Chloroform

Concen: 4.916 ug/L

RT: 5.071 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

Instrument :

MSVOA_U

ClientSampleId :

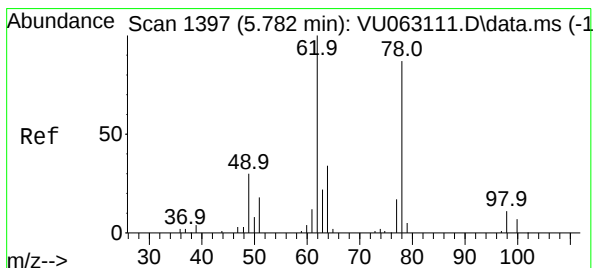
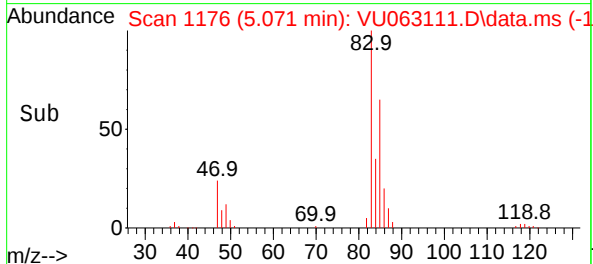
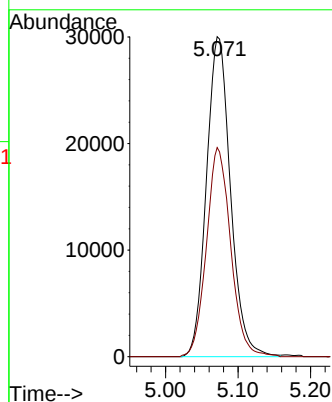
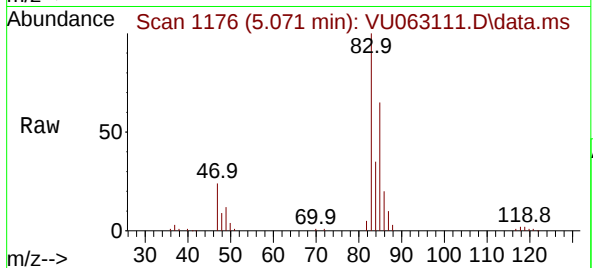
VSTD005076

Tgt Ion: 83 Resp: 69184

Ion Ratio Lower Upper

83 100

85 65.3 45.7 84.9



#27

1,2-Dichloroethane

Concen: 4.159 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU063111.D

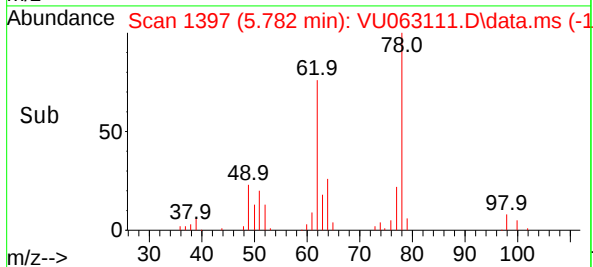
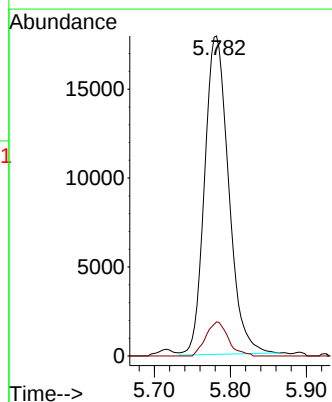
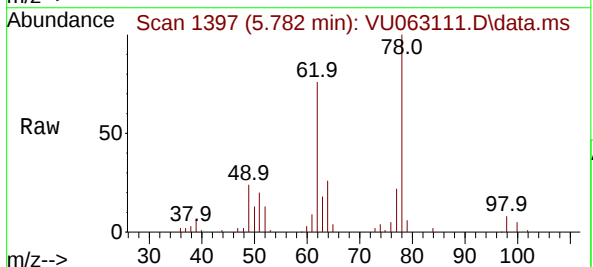
Acq: 03 Feb 2025 10:49

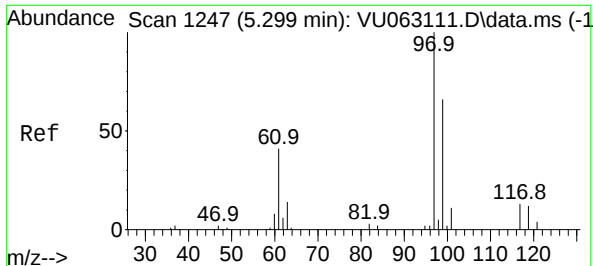
Tgt Ion: 62 Resp: 39368

Ion Ratio Lower Upper

62 100

98 10.7 8.6 12.8

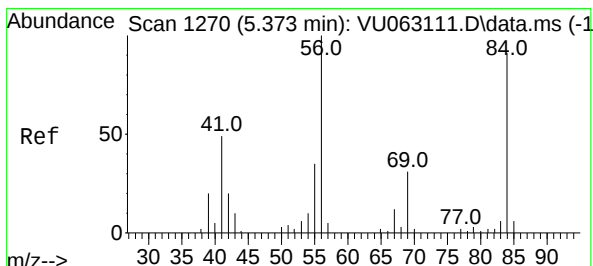
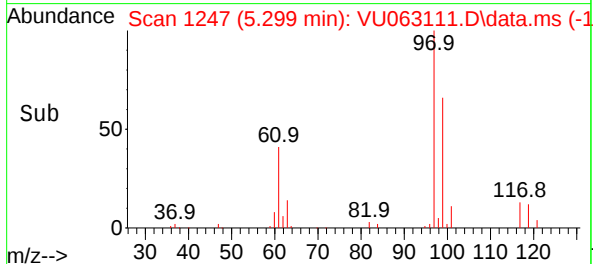
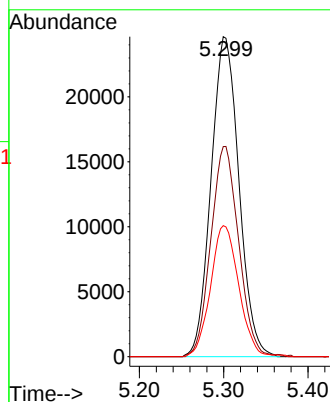
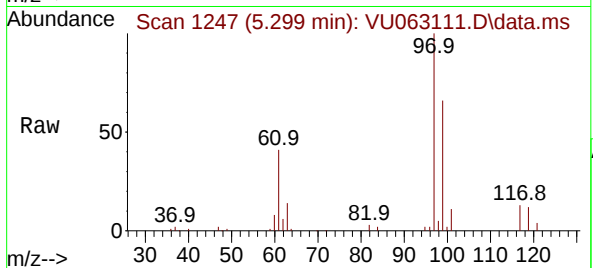




#29
1,1,1-Trichloroethane
Concen: 4.092 ug/L
RT: 5.299 min Scan# 1247
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

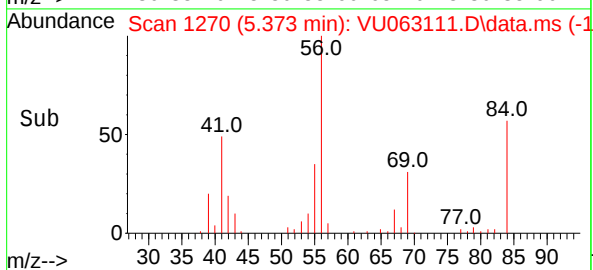
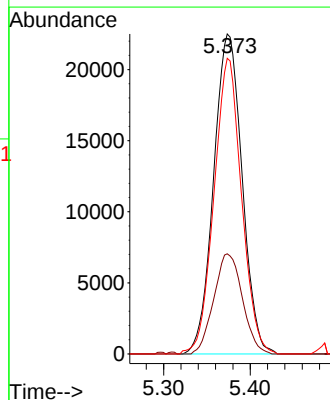
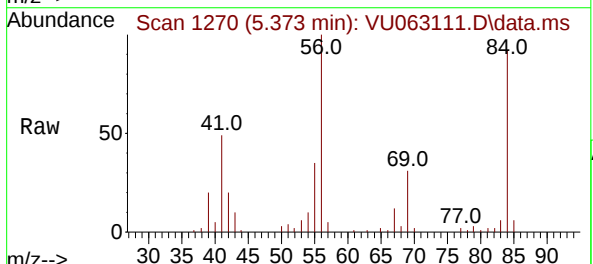
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

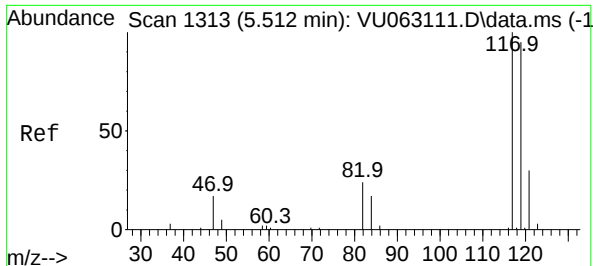
Tgt Ion:	97	Resp:	56600
Ion Ratio	Lower	Upper	
97	100		
99	65.4	52.3	78.5
61	41.5	33.2	49.8



#30
Cyclohexane
Concen: 6.786 ug/L
RT: 5.373 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Tgt Ion:	56	Resp:	51382
Ion Ratio	Lower	Upper	
56	100		
69	31.4	25.1	37.7
84	89.3	71.4	107.2

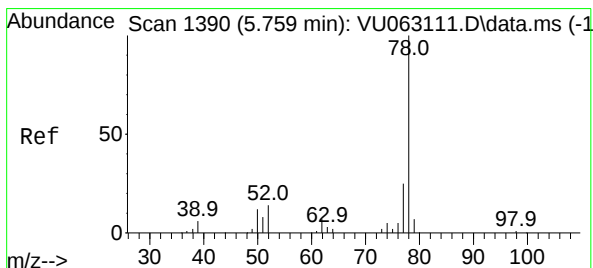
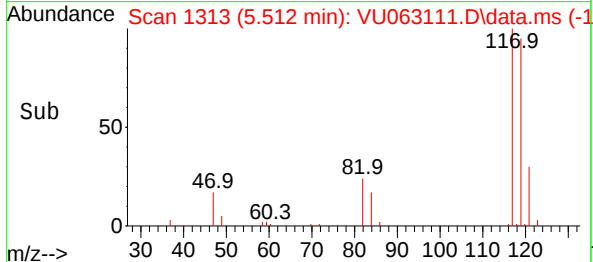
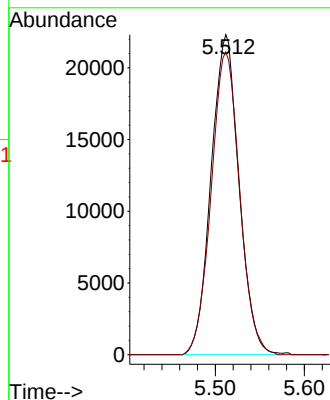
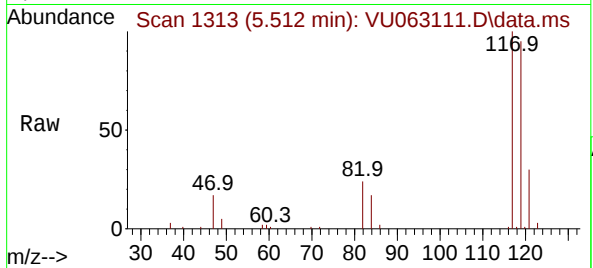




#31
Carbon tetrachloride
Concen: 3.730 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

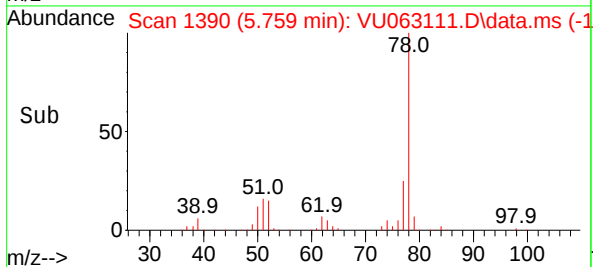
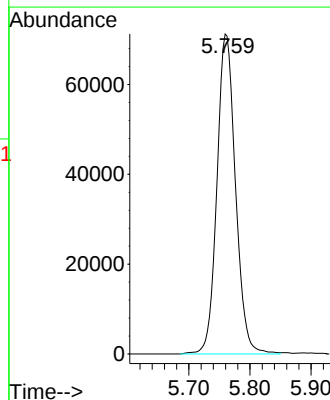
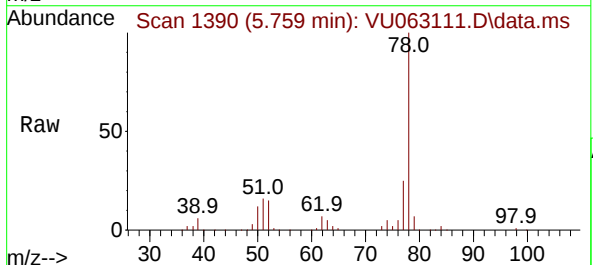
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

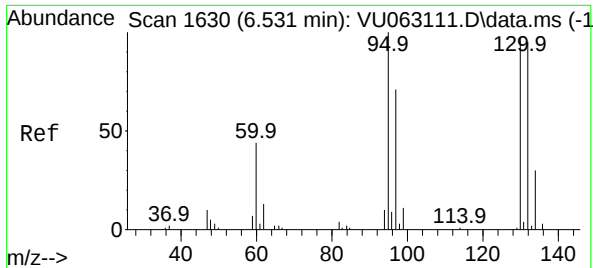
Tgt Ion:117 Resp: 48535
Ion Ratio Lower Upper
117 100
119 96.3 77.0 115.6



#33
Benzene
Concen: 6.160 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Tgt Ion: 78 Resp: 150229

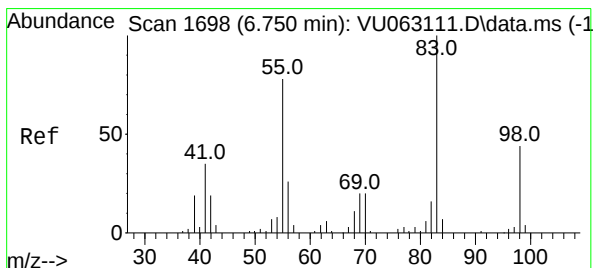
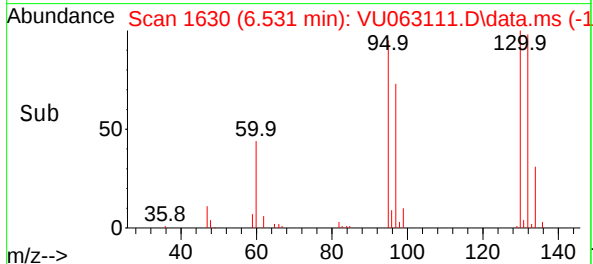
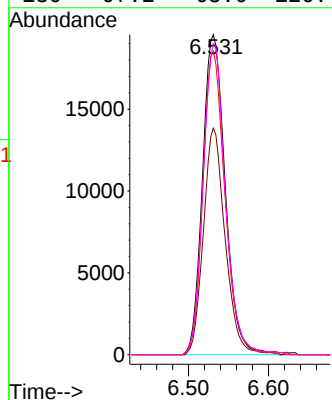
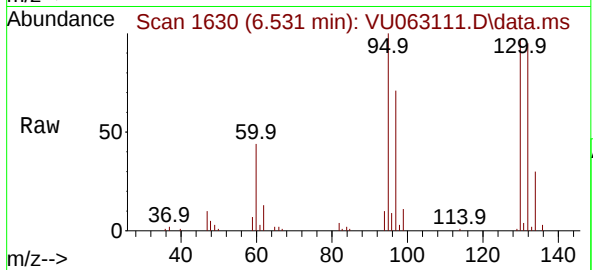




#34
Trichloroethene
Concen: 4.926 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

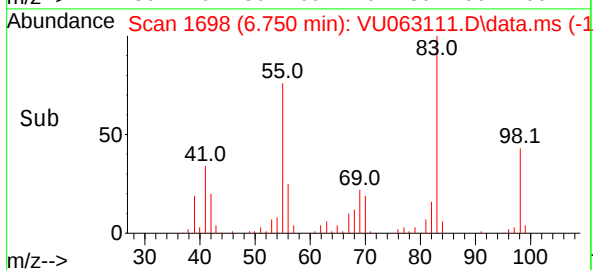
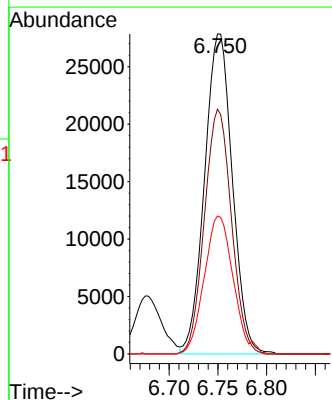
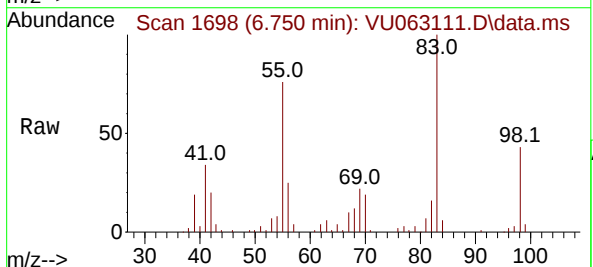
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

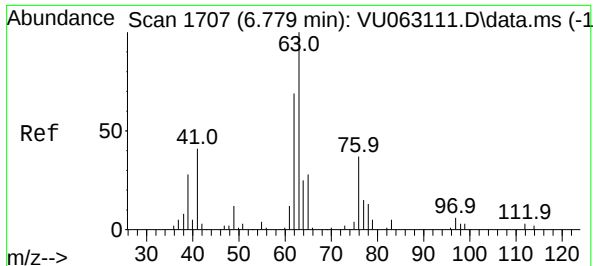
Tgt Ion: 95 Resp: 38568
Ion Ratio Lower Upper
95 100
97 70.8 49.6 92.0
132 94.8 66.4 123.2
130 97.2 68.0 126.4



#35
Methylcyclohexane
Concen: 5.483 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Tgt Ion: 83 Resp: 55330
Ion Ratio Lower Upper
83 100
55 74.2 59.4 89.0
98 44.8 35.8 53.8

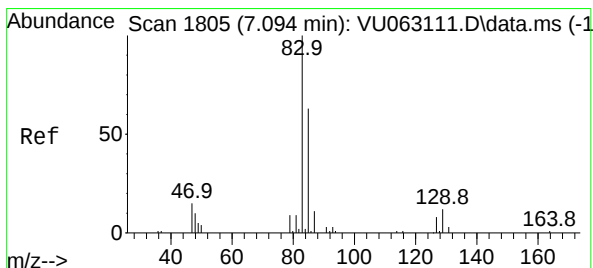
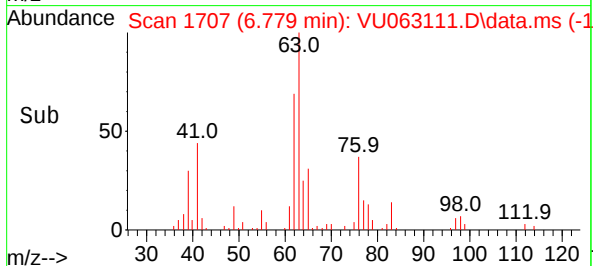
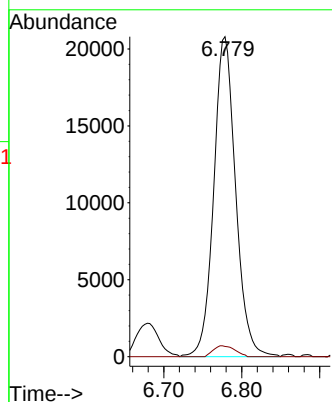
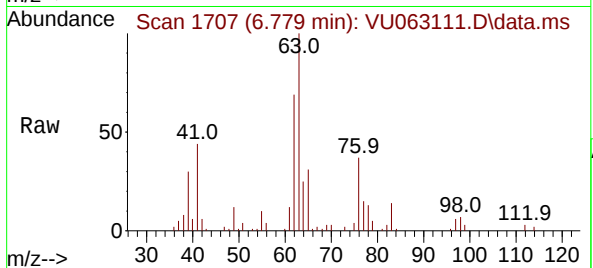




#37
1,2-Dichloropropane
Concen: 7.025 ug/L
RT: 6.779 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

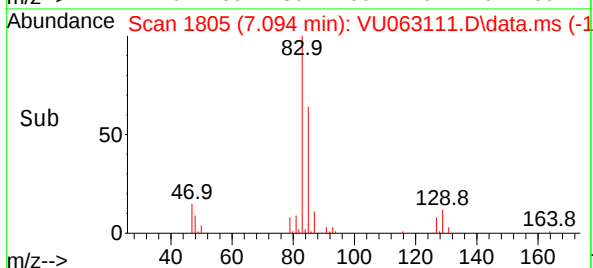
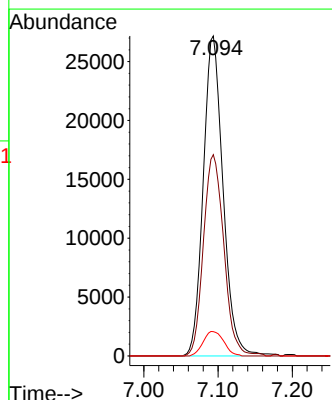
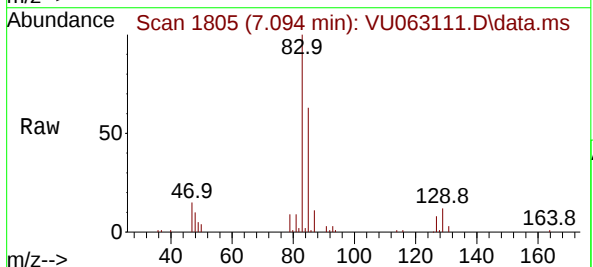
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

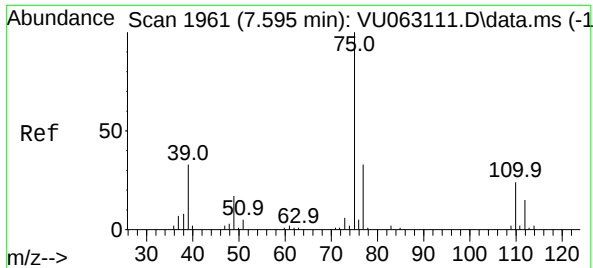
Tgt Ion: 63 Resp: 40626
Ion Ratio Lower Upper
63 100
112 3.4 2.7 4.1



#38
Bromodichloromethane
Concen: 4.920 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Tgt Ion: 83 Resp: 50376
Ion Ratio Lower Upper
83 100
85 62.9 44.0 81.8
127 7.6 6.1 9.1

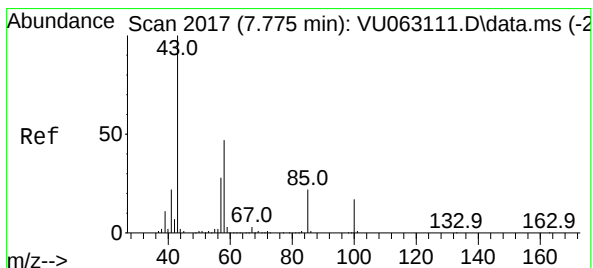
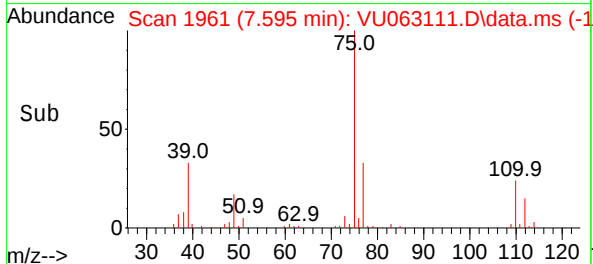
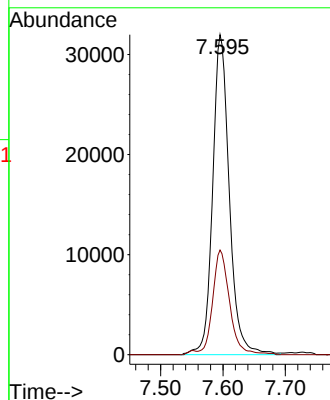
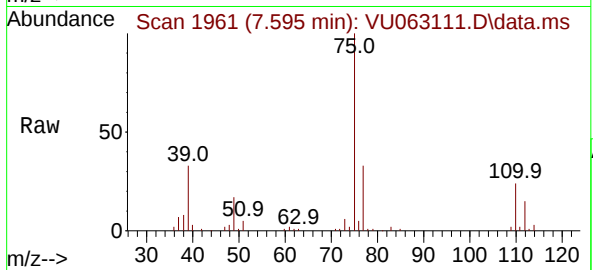




#39
 cis-1,3-Dichloropropene
 Concen: 5.872 ug/L
 RT: 7.595 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: VU063111.D
 Acq: 03 Feb 2025 10:49

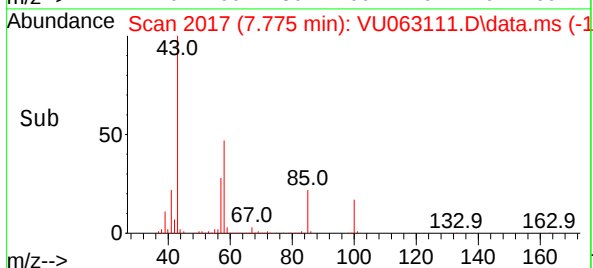
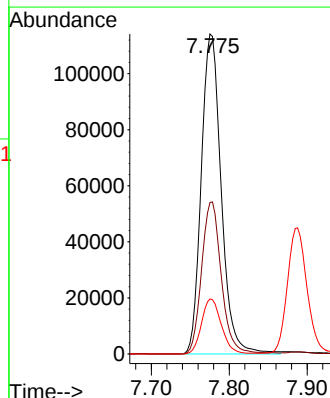
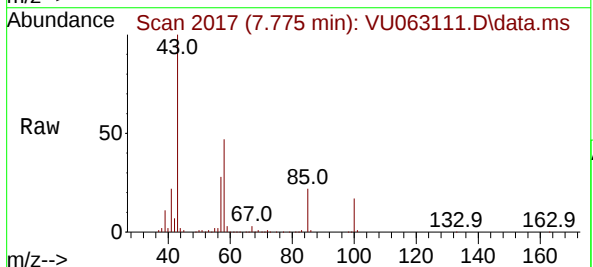
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005076

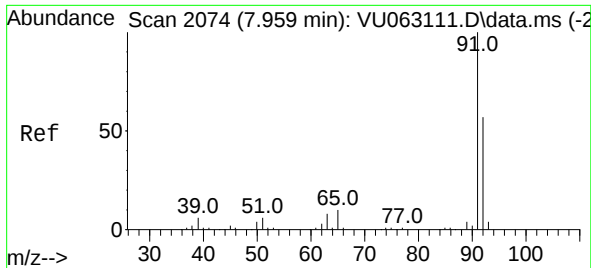
Tgt Ion: 75 Resp: 59369
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.9 42.5



#40
 4-Methyl-2-pentanone
 Concen: 71.955 ug/L
 RT: 7.775 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: VU063111.D
 Acq: 03 Feb 2025 10:49

Tgt Ion: 43 Resp: 203274
 Ion Ratio Lower Upper
 43 100
 58 47.1 37.7 56.5
 100 17.1 13.7 20.5





#42

Toluene

Concen: 5.796 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

Instrument :

MSVOA_U

ClientSampleId :

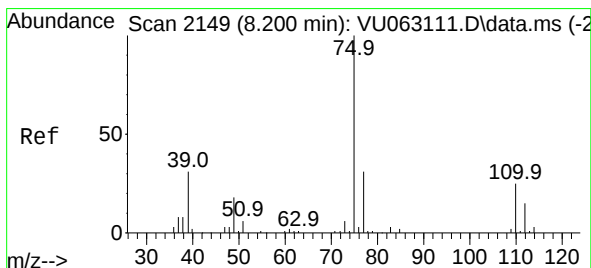
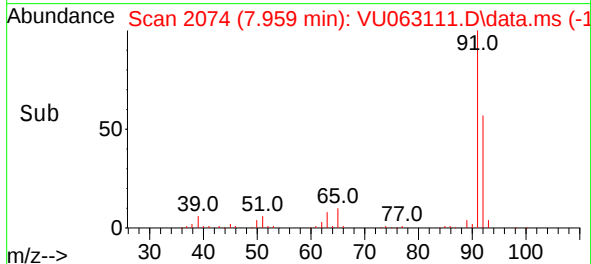
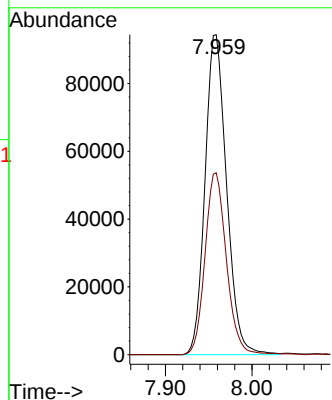
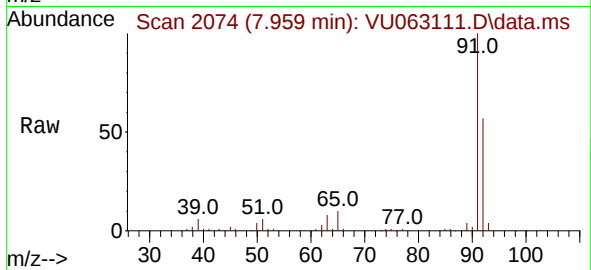
VSTD005076

Tgt Ion: 91 Resp: 163244

Ion Ratio Lower Upper

91 100

92 56.9 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 5.453 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU063111.D

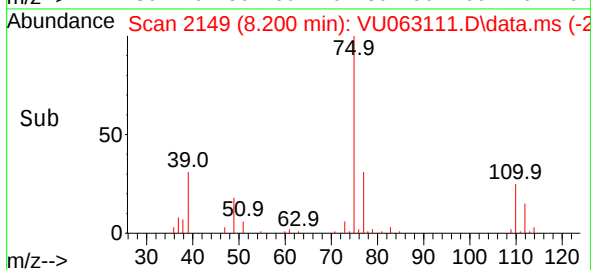
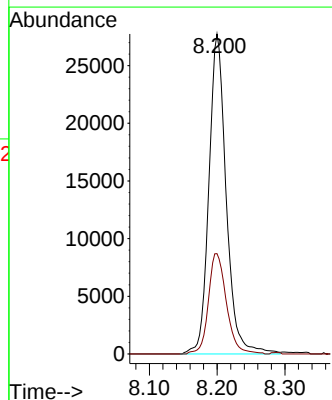
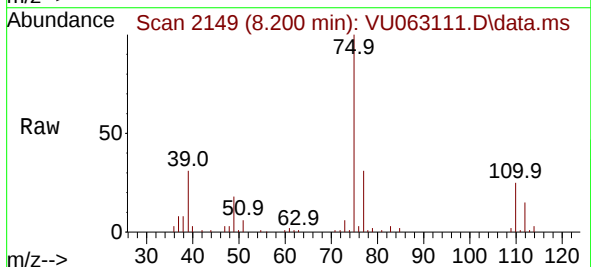
Acq: 03 Feb 2025 10:49

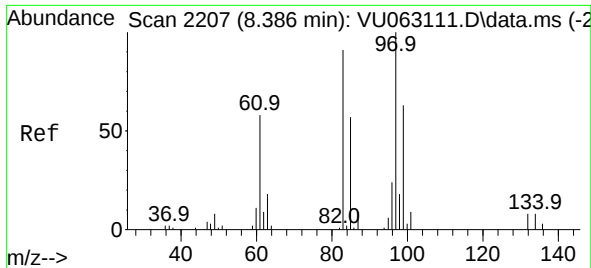
Tgt Ion: 75 Resp: 49245

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



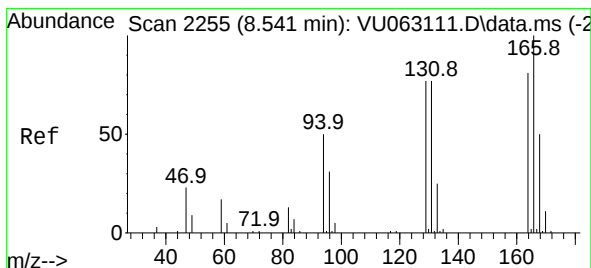
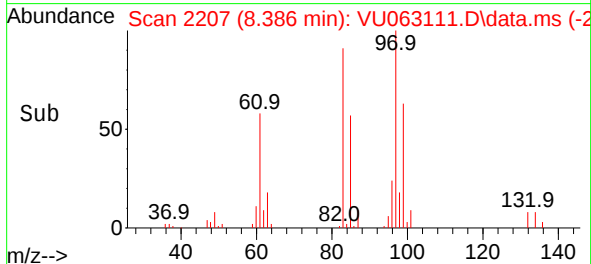
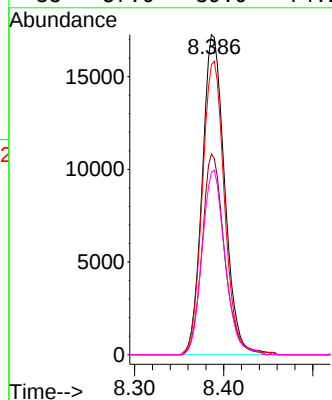
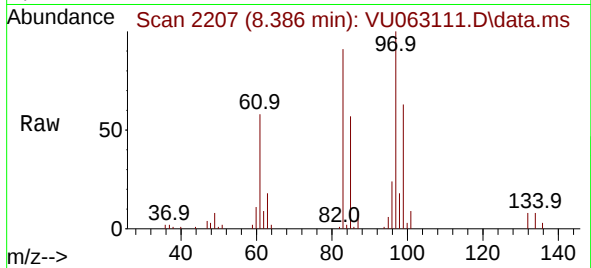


#45
1,1,2-Trichloroethane
Concen: 5.922 ug/L
RT: 8.386 min Scan# 2207
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

Tgt Ion: 97 Resp: 30187

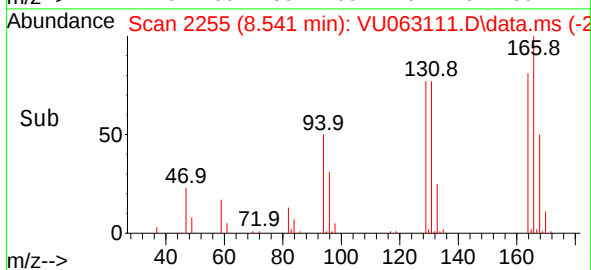
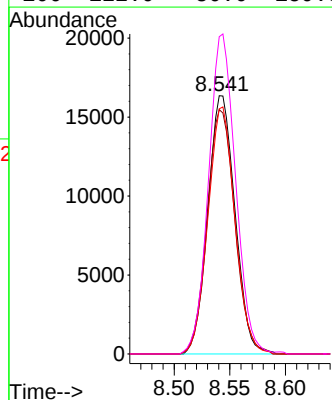
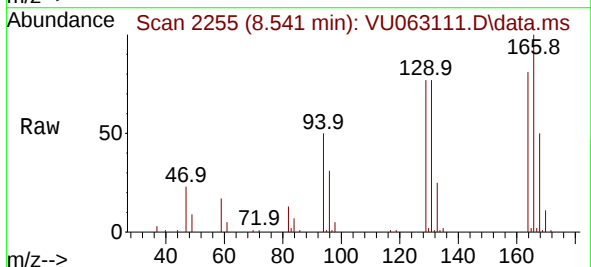
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.9	81.5
83	90.6	63.4	117.8
85	57.0	39.9	74.1

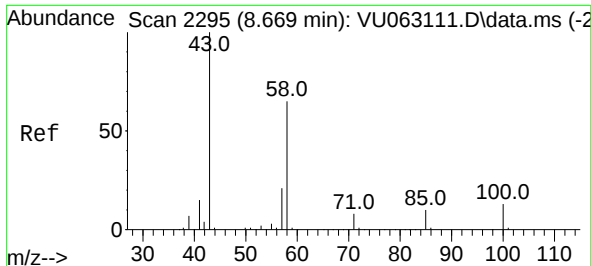


#47
Tetrachloroethene
Concen: 4.331 ug/L
RT: 8.541 min Scan# 2255
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Tgt Ion: 164 Resp: 27664

Ion	Ratio	Lower	Upper
164	100		
129	94.6	66.2	123.0
131	94.9	66.4	123.4
166	122.9	86.0	159.8

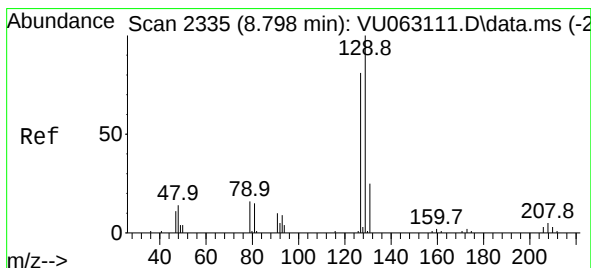
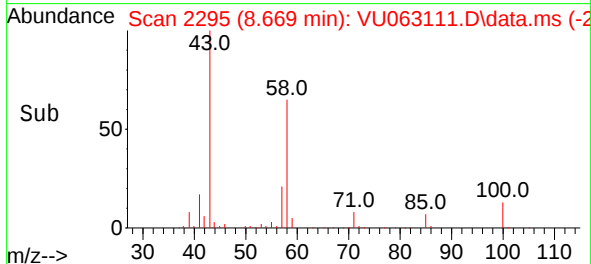
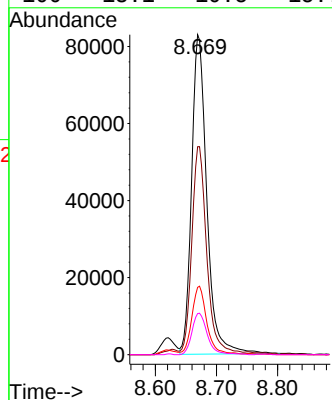
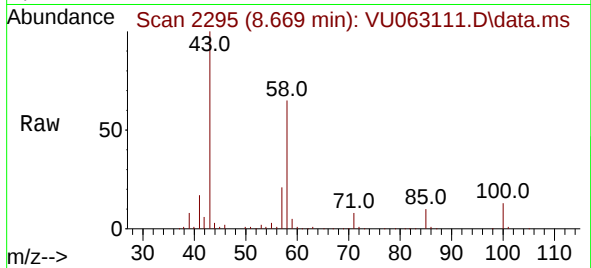




#48
2-Hexanone
Concen: 72.653 ug/L
RT: 8.669 min Scan# 2295
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

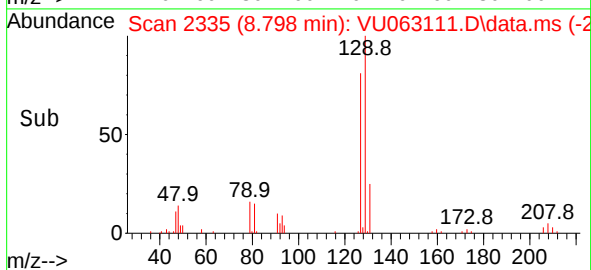
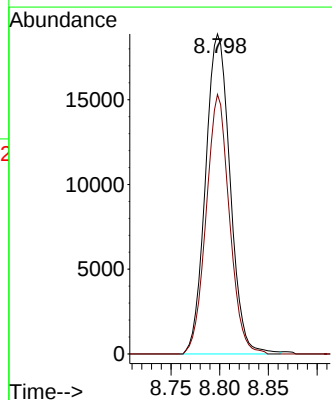
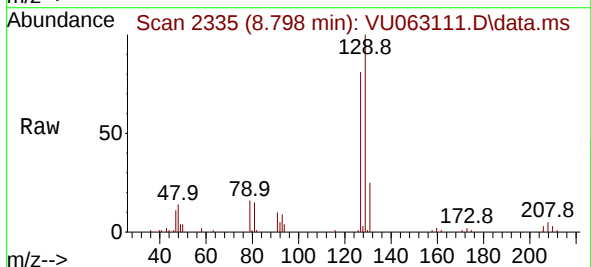
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

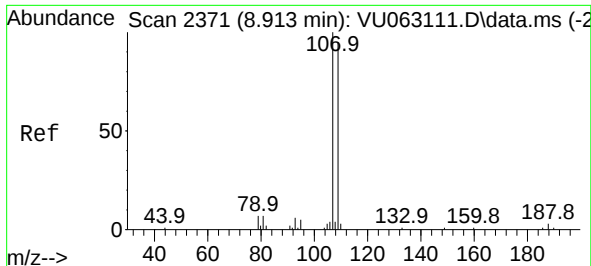
Tgt Ion:	43	Resp:	143323
Ion	Ratio	Lower	Upper
43	100		
58	62.5	50.0	75.0
57	20.7	16.6	24.8
100	13.1	10.5	15.7



#49
Dibromochloromethane
Concen: 4.560 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Tgt Ion:	129	Resp:	33146
Ion	Ratio	Lower	Upper
129	100		
127	81.1	56.8	105.4





#50

1,2-Dibromoethane

Concen: 5.610 ug/L

RT: 8.913 min Scan# 2371

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005076

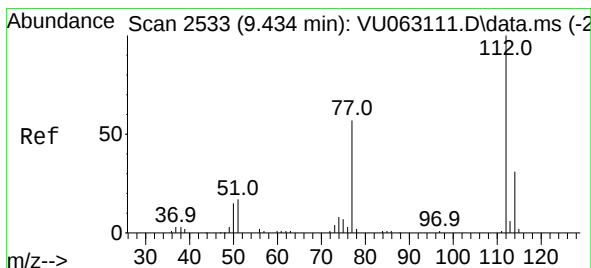
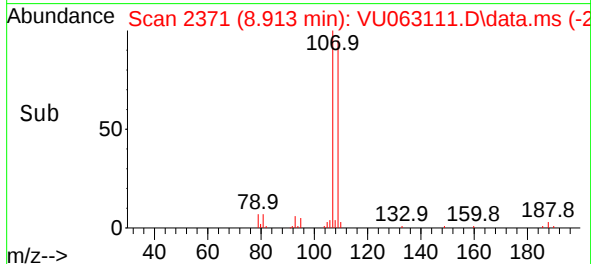
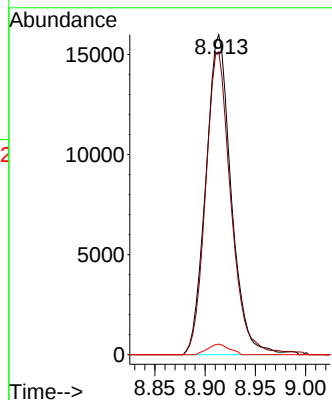
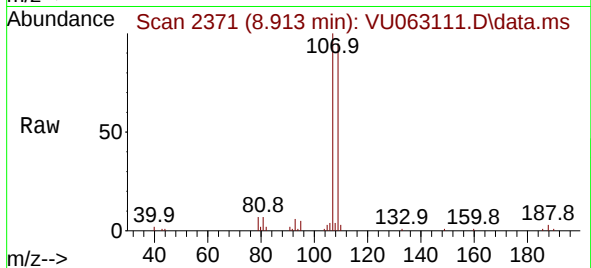
Tgt Ion:107 Resp: 28050

Ion Ratio Lower Upper

107 100

109 94.7 66.3 123.1

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 5.314 ug/L

RT: 9.434 min Scan# 2533

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

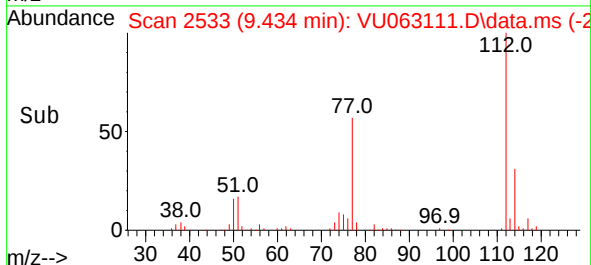
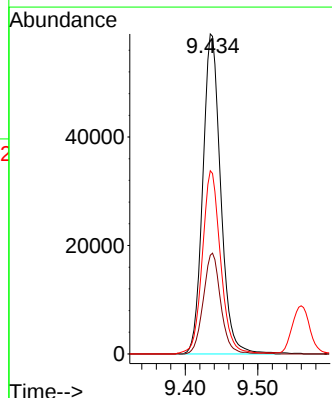
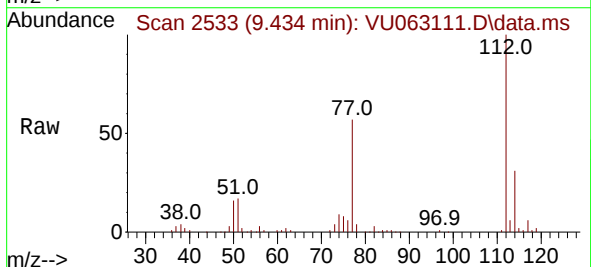
Tgt Ion:112 Resp: 101092

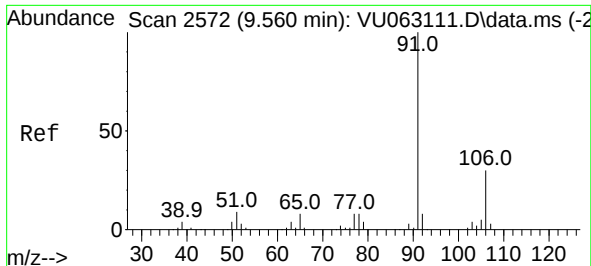
Ion Ratio Lower Upper

112 100

114 30.9 21.6 40.2

77 57.3 45.8 68.8





#52

Ethylbenzene

Concen: 5.354 ug/L

RT: 9.560 min Scan# 2572

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

Instrument :

MSVOA_U

ClientSampleId :

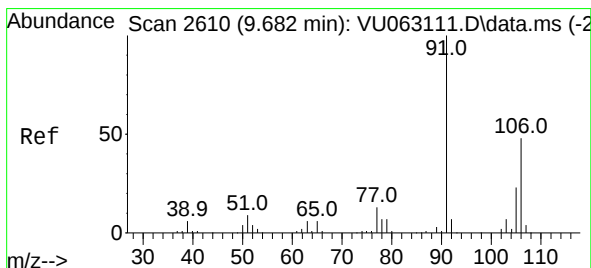
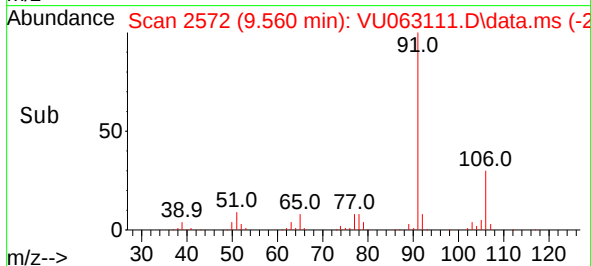
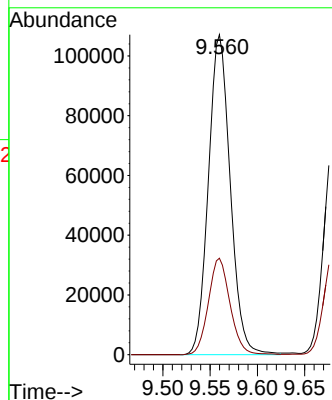
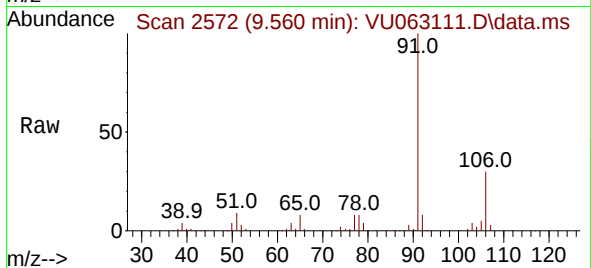
VSTD005076

Tgt Ion: 91 Resp: 172088

Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.3



#53

m,p-Xylene

Concen: 5.248 ug/L

RT: 9.682 min Scan# 2610

Delta R.T. 0.000 min

Lab File: VU063111.D

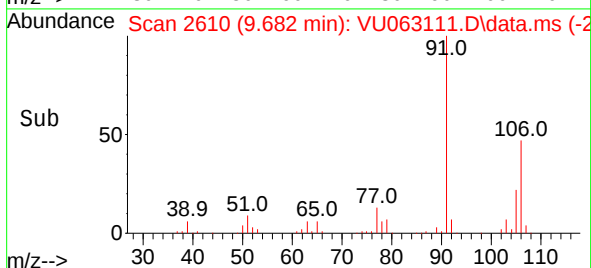
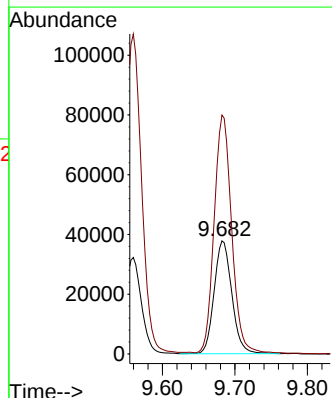
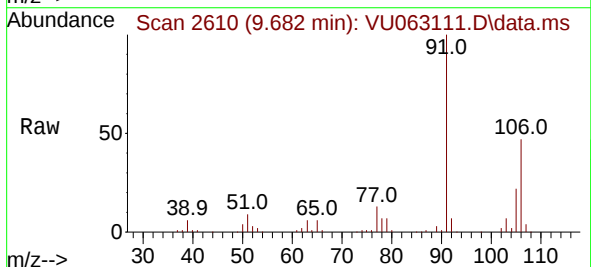
Acq: 03 Feb 2025 10:49

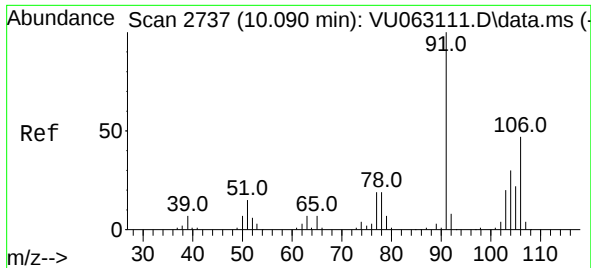
Tgt Ion:106 Resp: 64110

Ion Ratio Lower Upper

106 100

91 211.0 147.7 274.3

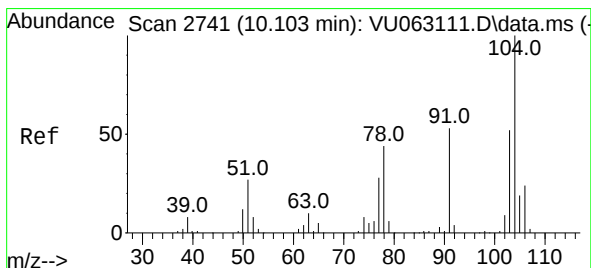
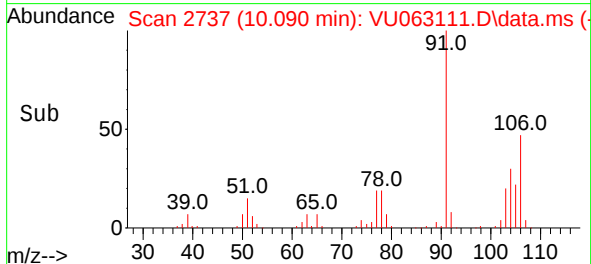
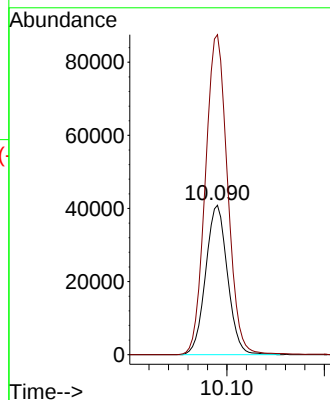
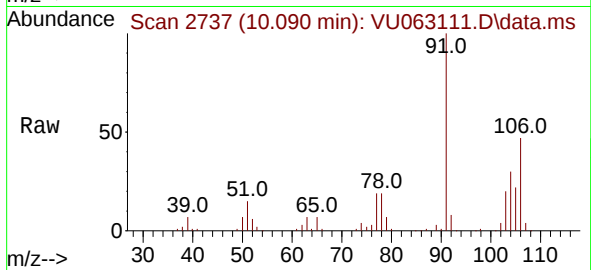




#54
o-Xylene
Concen: 5.610 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

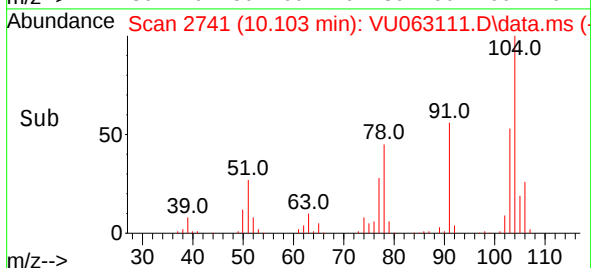
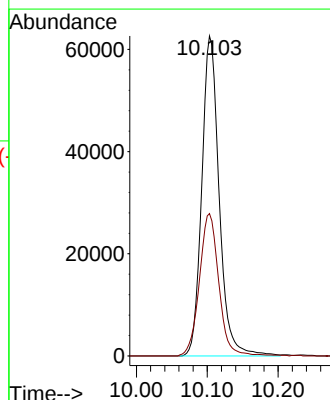
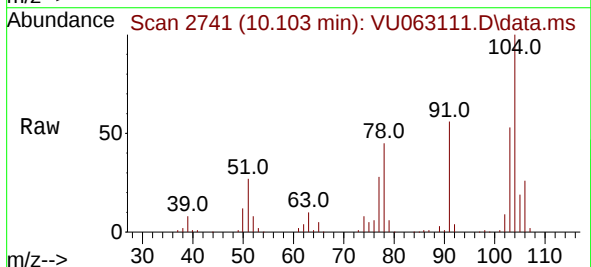
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

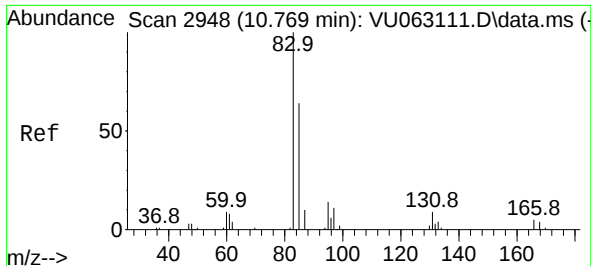
Tgt Ion:106 Resp: 63642
Ion Ratio Lower Upper
106 100
91 214.2 149.9 278.5



#55
Styrene
Concen: 5.582 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Tgt Ion:104 Resp: 106959
Ion Ratio Lower Upper
104 100
78 44.5 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 6.487 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005076

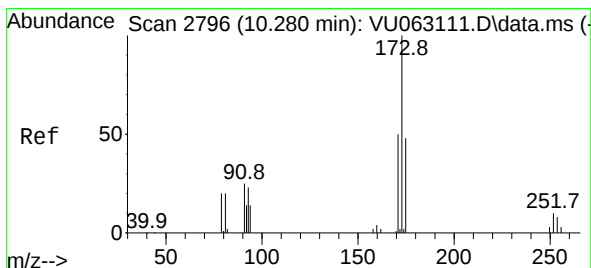
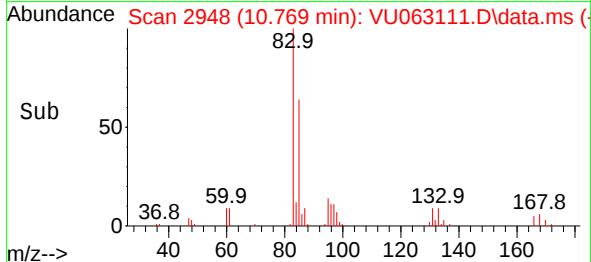
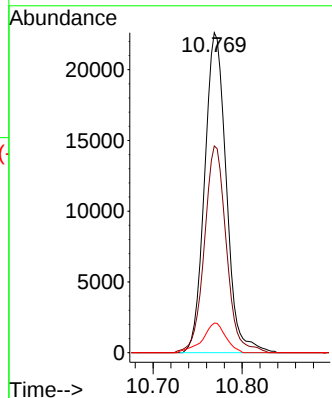
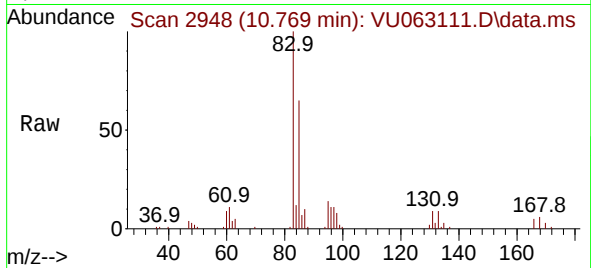
Tgt Ion: 83 Resp: 38205

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

131 9.2 7.4 11.0



#59

Bromoform

Concen: 4.813 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

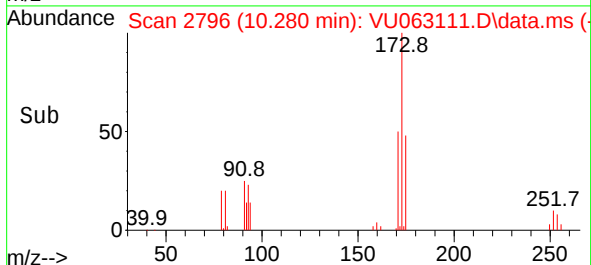
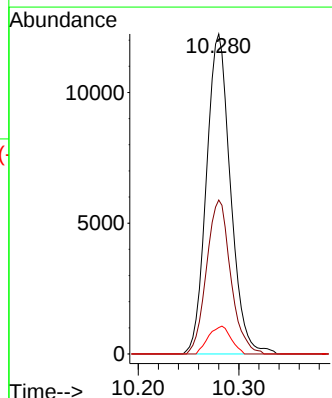
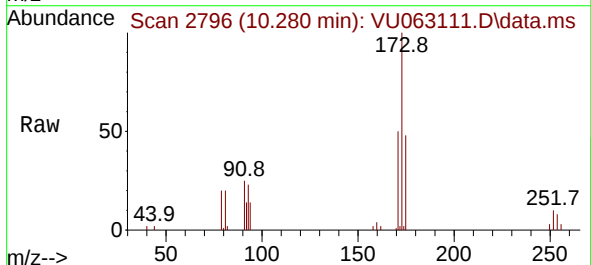
Tgt Ion:173 Resp: 20331

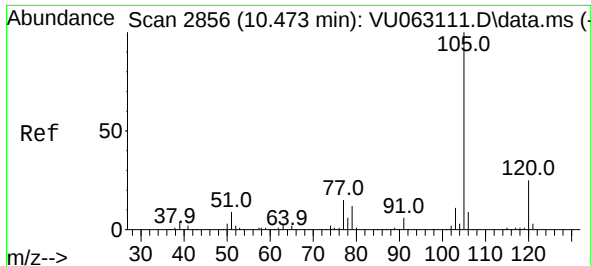
Ion Ratio Lower Upper

173 100

175 48.3 38.6 58.0

254 8.1 6.5 9.7

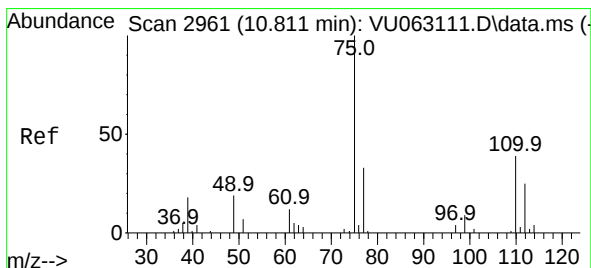
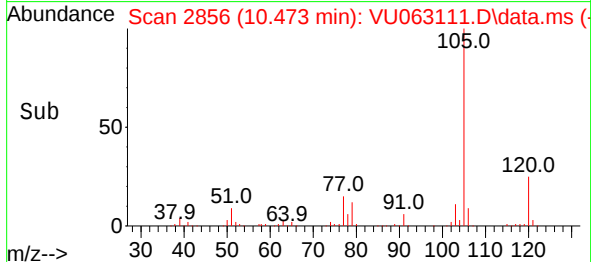
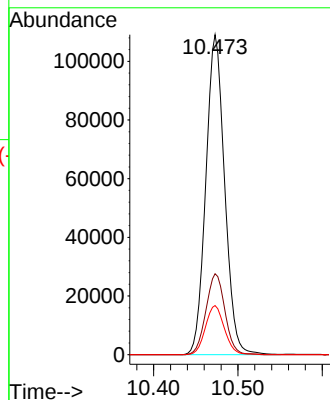
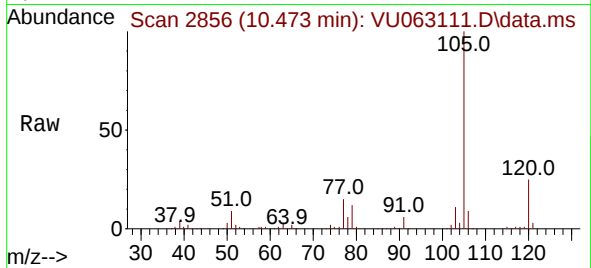




#60
Isopropylbenzene
Concen: 5.698 ug/L
RT: 10.473 min Scan# 2856
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

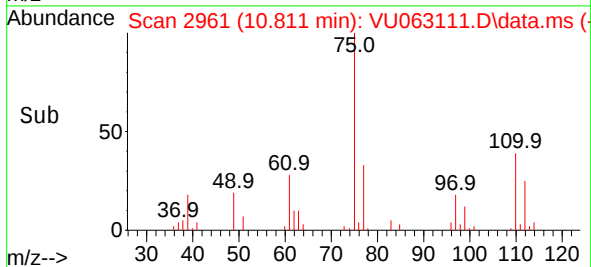
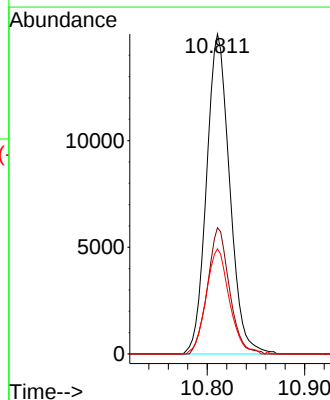
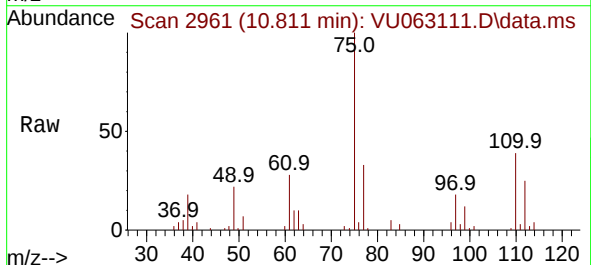
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

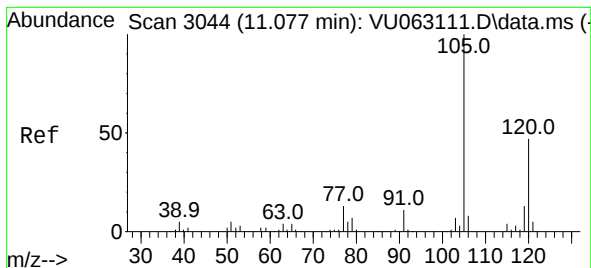
Tgt Ion:105 Resp: 169591
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 15.5 12.4 18.6



#61
1,2,3-Trichloropropane
Concen: 6.229 ug/L
RT: 10.811 min Scan# 2961
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Tgt Ion: 75 Resp: 24734
Ion Ratio Lower Upper
75 100
110 37.5 30.0 45.0
77 32.9 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 5.324 ug/L

RT: 11.077 min Scan# 3044

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

Instrument :

MSVOA_U

ClientSampleId :

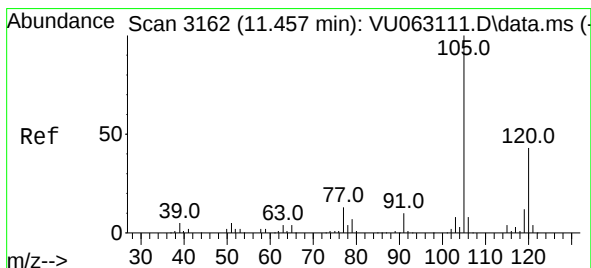
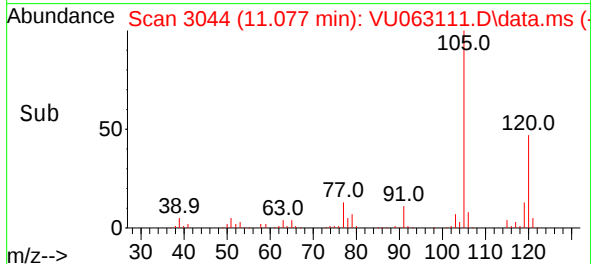
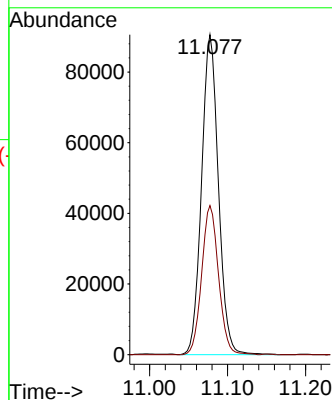
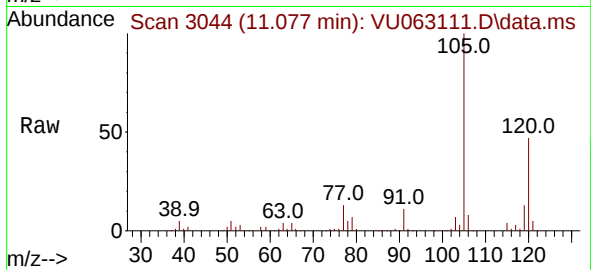
VSTD005076

Tgt Ion:105 Resp: 136027

Ion Ratio Lower Upper

105 100

120 46.6 37.3 55.9



#63

1,2,4-Trimethylbenzene

Concen: 5.481 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VU063111.D

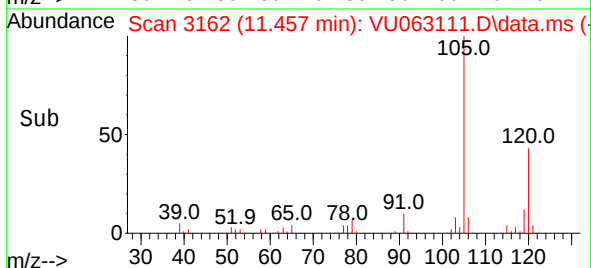
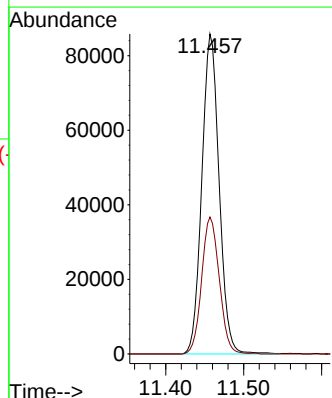
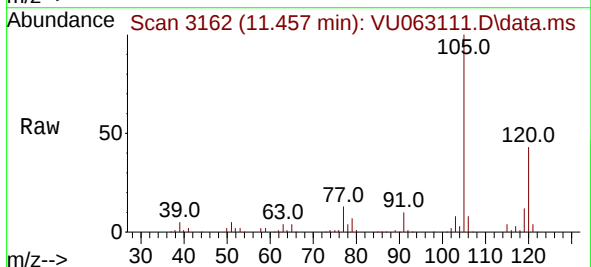
Acq: 03 Feb 2025 10:49

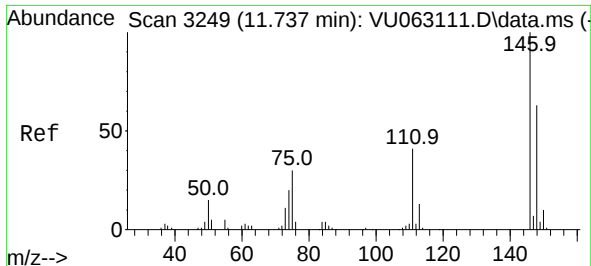
Tgt Ion:105 Resp: 132206

Ion Ratio Lower Upper

105 100

120 43.5 34.8 52.2

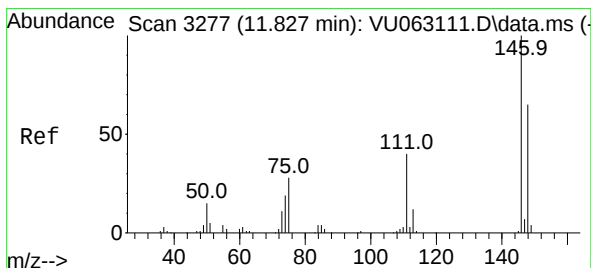
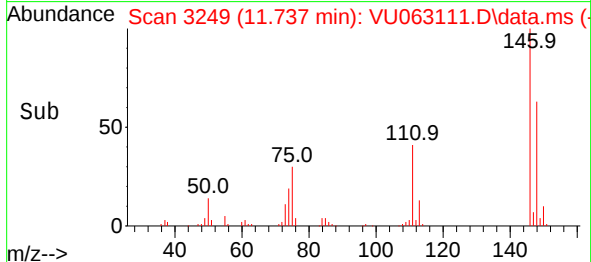
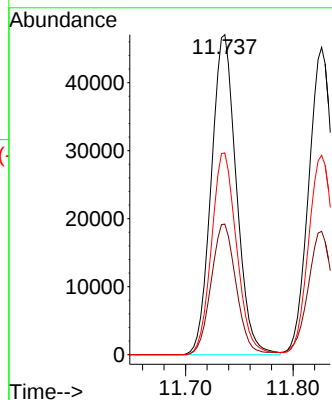
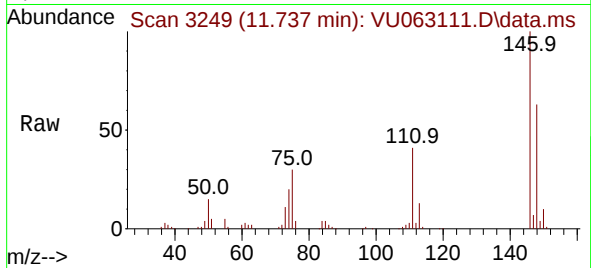




#64
1,3-Dichlorobenzene
Concen: 5.205 ug/L
RT: 11.737 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

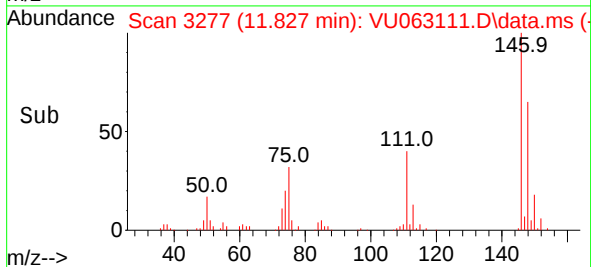
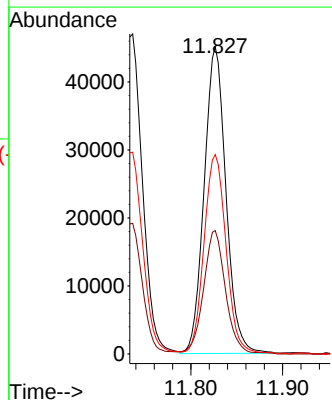
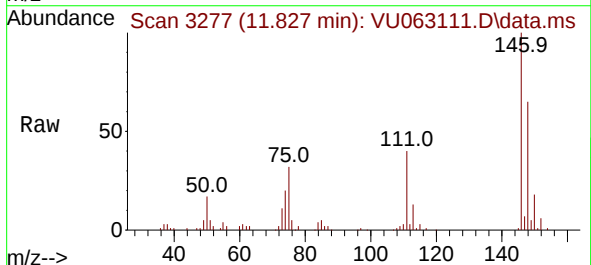
Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

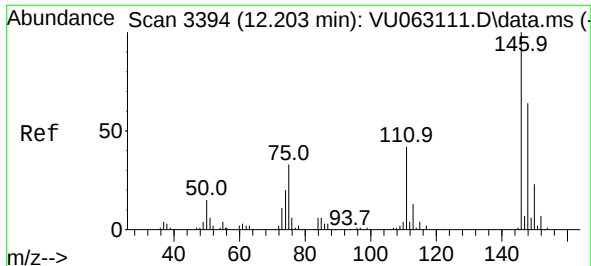
Tgt Ion:146 Resp: 76361
Ion Ratio Lower Upper
146 100
111 40.8 28.6 53.0
148 63.1 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 5.078 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Tgt Ion:146 Resp: 74464
Ion Ratio Lower Upper
146 100
111 40.1 28.1 52.1
148 64.8 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 5.220 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005076

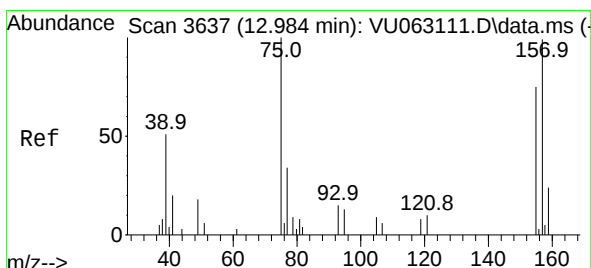
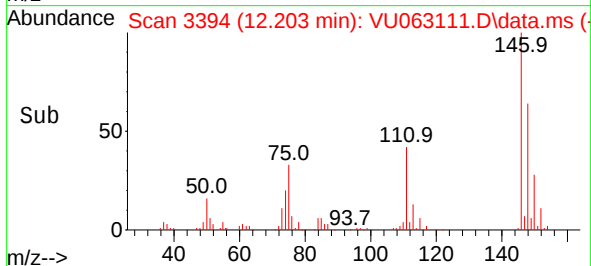
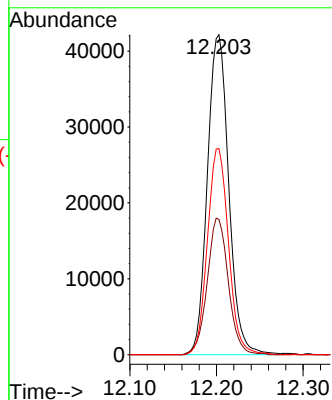
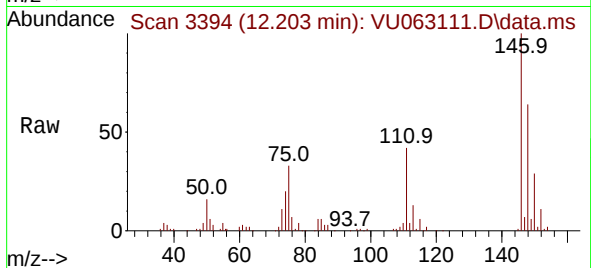
Tgt Ion:146 Resp: 72357

Ion Ratio Lower Upper

146 100

111 42.3 33.8 50.8

148 64.4 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.633 ug/L

RT: 12.984 min Scan# 3637

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

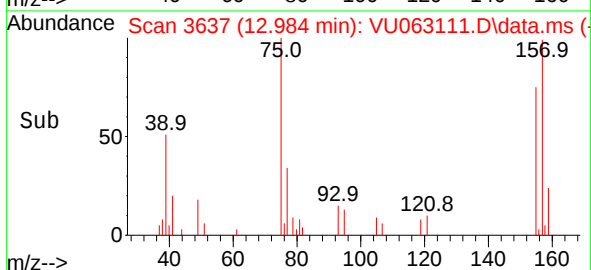
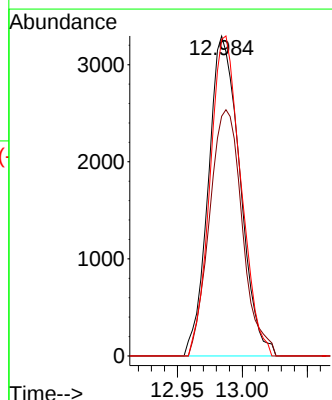
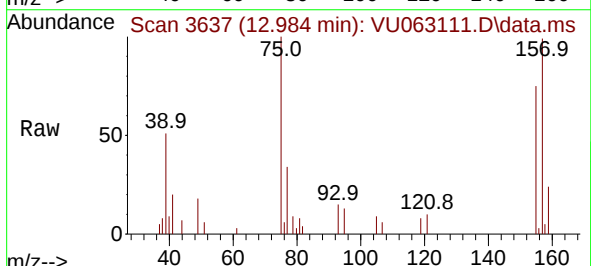
Tgt Ion: 75 Resp: 5574

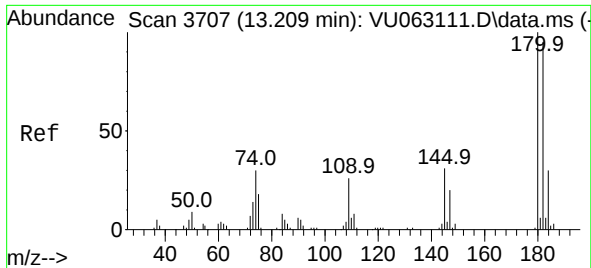
Ion Ratio Lower Upper

75 100

155 74.9 59.9 89.9

157 99.0 79.2 118.8





#69

1,3,5-Trichlorobenzene

Concen: 4.620 ug/L

RT: 13.209 min Scan# 3707

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005076

Tgt Ion:180 Resp: 52505

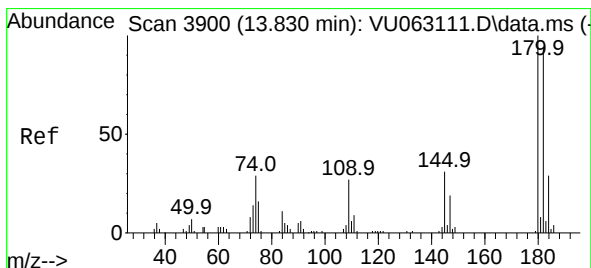
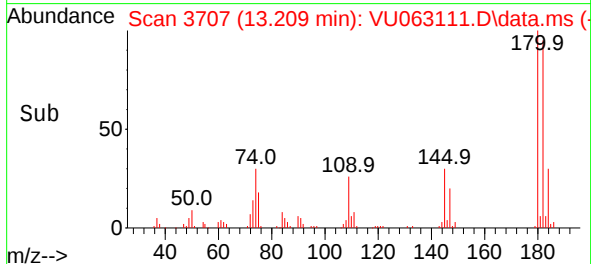
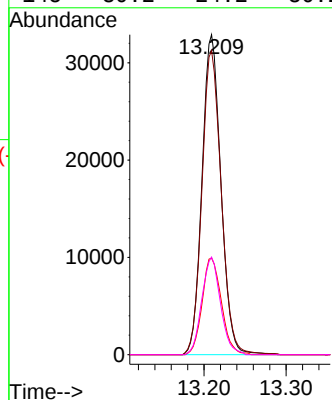
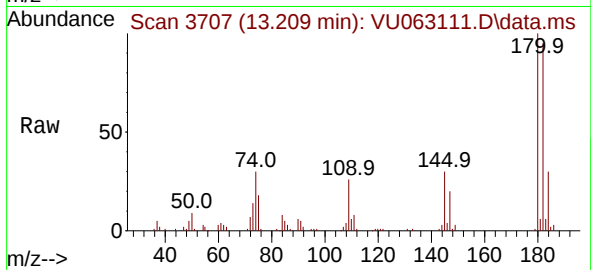
Ion Ratio Lower Upper

180 100

182 97.3 77.8 116.8

184 30.8 24.6 37.0

145 30.2 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 4.623 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. 0.000 min

Lab File: VU063111.D

Acq: 03 Feb 2025 10:49

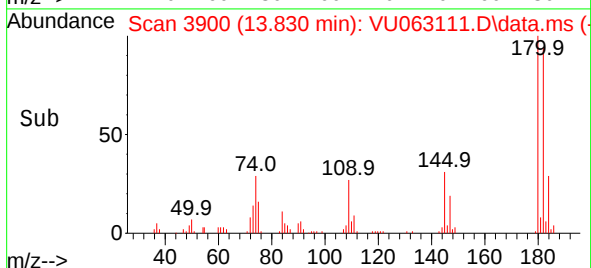
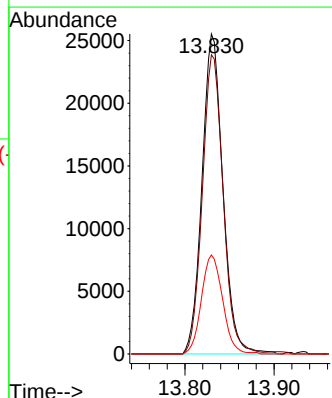
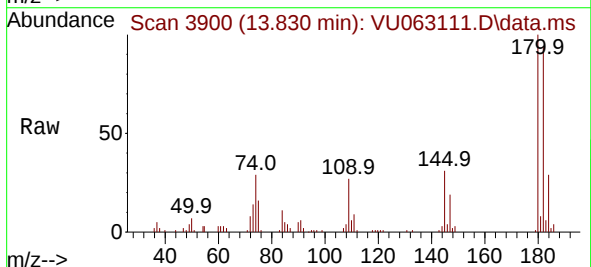
Tgt Ion:180 Resp: 41445

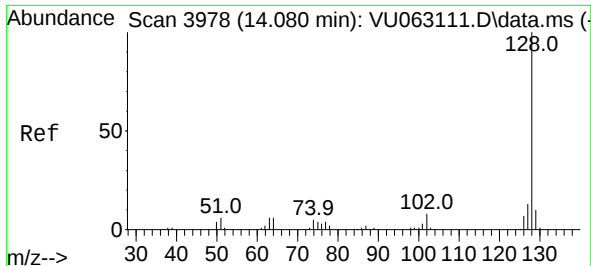
Ion Ratio Lower Upper

180 100

182 93.0 74.4 111.6

145 31.4 25.1 37.7

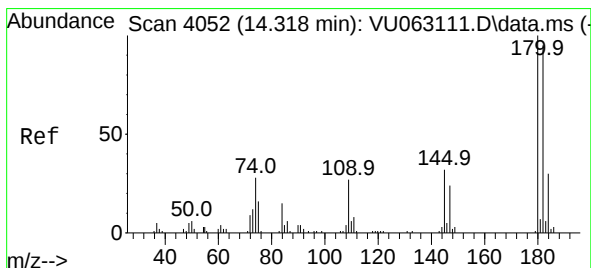
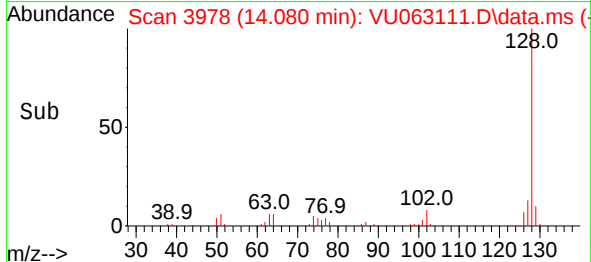
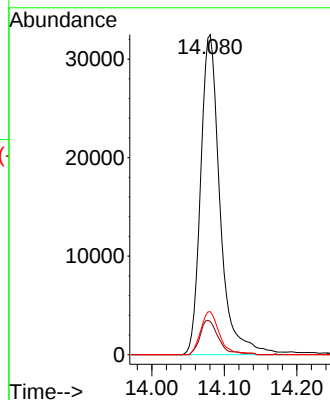
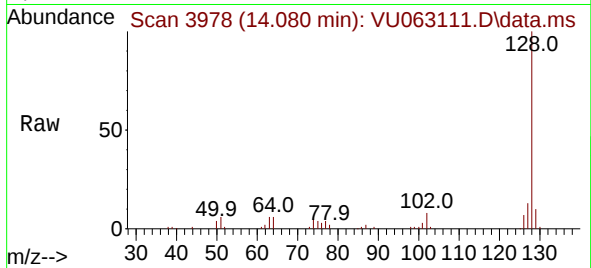




#71
Naphthalene
Concen: 5.033 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD005076

Tgt Ion:128 Resp: 60323
Ion Ratio Lower Upper
128 100
129 10.2 8.2 12.2
127 13.1 10.5 15.7



#72
1,2,3-Trichlorobenzene
Concen: 4.664 ug/L
RT: 14.318 min Scan# 4052
Delta R.T. 0.000 min
Lab File: VU063111.D
Acq: 03 Feb 2025 10:49

Tgt Ion:180 Resp: 36256
Ion Ratio Lower Upper
180 100
182 96.3 77.0 115.6
145 32.0 25.6 38.4

