

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020425\
 Data File : VU063117.D
 Acq On : 04 Feb 2025 13:03
 Operator : MD/SY
 Sample : VSTD001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001001

Quant Time: Feb 05 07:28:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 05 07:27:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	88907	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	83383	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	37059	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	5055	0.857	ug/L	0.00
7) Chloroethane-d5	1.901	69	4782	0.962	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	65	2164	0.838	ug/L	0.00
20) 2-Butanone-d5	4.621	46	15206	10.581	ug/L	0.02
24) Chloroform-d	5.052	84	11022	0.912	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	5733	1.008	ug/L	0.00
32) Benzene-d6	5.718	84	21170	0.901	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	6952	0.895	ug/L	0.00
41) Toluene-d8	7.891	98	18324	0.869	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	2327	0.803	ug/L	0.00
46) 2-Hexanone-d5	8.624	63	11395	8.930	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	6206	0.967	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	6264	0.962	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	7623	1.281	ug/L	97
3) Chloromethane	1.518	50	8570	1.197	ug/L	100
5) Vinyl chloride	1.599	62	8620	1.155	ug/L	99
6) Bromomethane	1.843	94	4007	0.997	ug/L	96
8) Chloroethane	1.924	64	5193	1.171	ug/L	99
9) Trichlorofluoromethane	2.126	101	9554	0.989	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	5774	0.940	ug/L	99
12) 1,1-Dichloroethene	2.567	96	5641	0.992	ug/L	98
13) Acetone	2.615	43	10597	12.233	ug/L	98
14) Carbon disulfide	2.779	76	20202	1.175	ug/L	99
15) Methyl Acetate	2.949	43	2714	1.186	ug/L #	87
16) Methylene chloride	3.033	84	6965	1.058	ug/L	93
17) Methyl tert-butyl Ether	3.351	73	15060	0.998	ug/L	98
18) trans-1,2-Dichloroethene	3.341	96	5934	1.026	ug/L	93
19) 1,1-Dichloroethane	3.856	63	12519	1.073	ug/L	94
21) 2-Butanone	4.698	43	15985	11.231	ug/L	94
22) cis-1,2-Dichloroethene	4.657	96	6620	0.952	ug/L	97
23) Bromochloromethane	4.968	128	3050	1.037	ug/L	91
25) Chloroform	5.075	83	11806	0.981	ug/L	94
27) 1,2-Dichloroethane	5.785	62	7718	1.070	ug/L	99
29) 1,1,1-Trichloroethane	5.303	97	9450	0.969	ug/L	98
30) Cyclohexane	5.374	56	9899	1.072	ug/L	96
31) Carbon tetrachloride	5.512	117	7948	0.955	ug/L	96
33) Benzene	5.763	78	26178	0.994	ug/L	100
34) Trichloroethene	6.534	95	6902	0.997	ug/L	96
35) Methylcyclohexane	6.750	83	9778	0.987	ug/L	100
37) 1,2-Dichloropropane	6.782	63	6956	0.991	ug/L #	97
38) Bromodichloromethane	7.097	83	8278	0.958	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	9790	0.960	ug/L	96
40) 4-Methyl-2-pentanone	7.779	43	39078	10.687	ug/L	98
42) Toluene	7.962	91	27539	0.992	ug/L	96
44) trans-1,3-Dichloropropene	8.203	75	8141	0.965	ug/L	99

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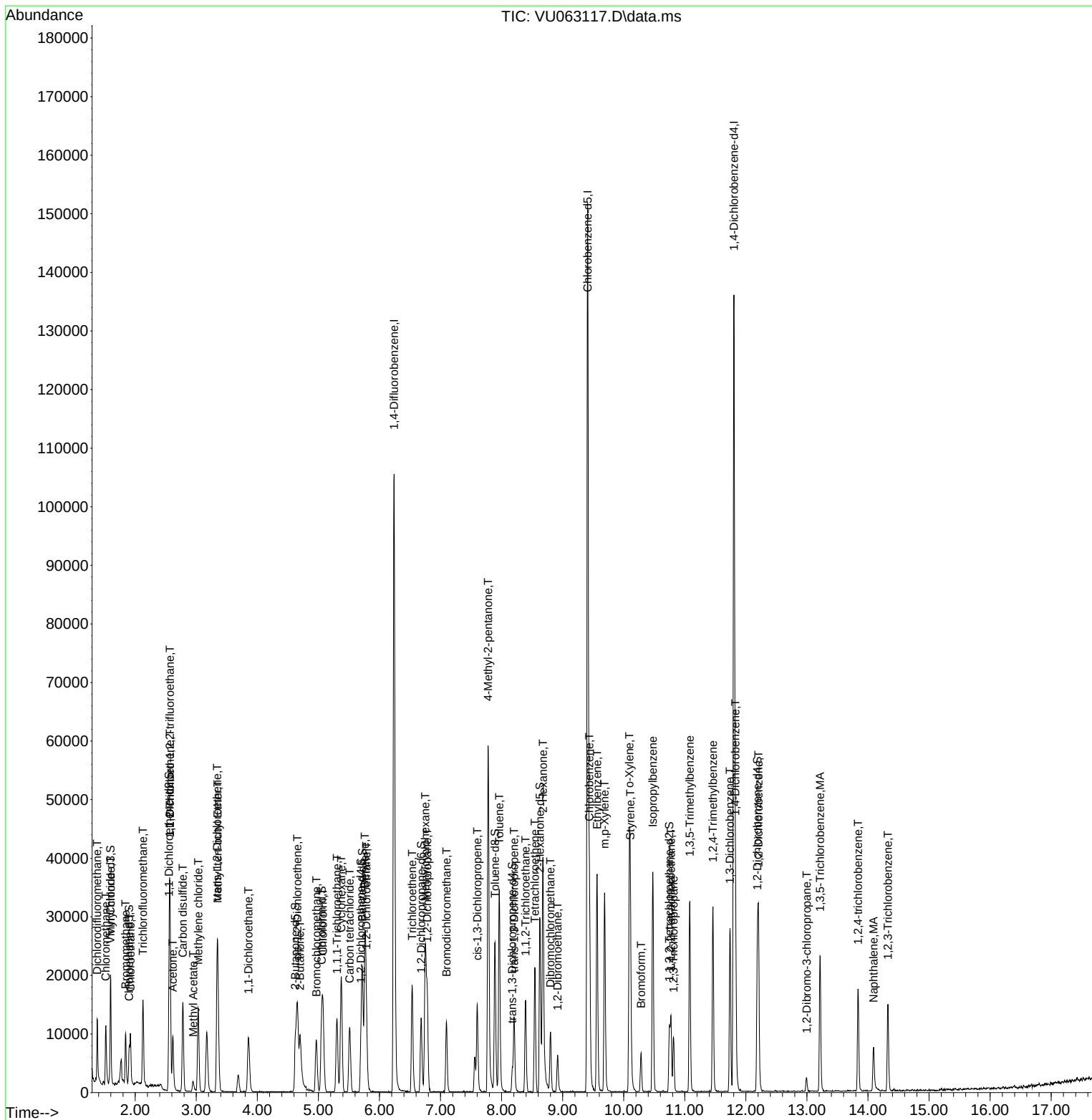
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

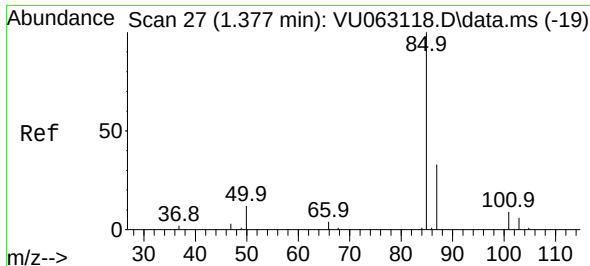
45) 1,1,2-Trichloroethane	8.393	97	5323	1.013	ug/L	95
47) Tetrachloroethene	8.544	164	4838	1.017	ug/L	97
48) 2-Hexanone	8.676	43	26908	10.537	ug/L	98
49) Dibromochloromethane	8.798	129	5536	0.975	ug/L	94
50) 1,2-Dibromoethane	8.917	107	4869	1.011	ug/L #	89
51) Chlorobenzene	9.438	112	16968	1.006	ug/L	98
52) Ethylbenzene	9.563	91	28024	0.954	ug/L	98
53) m,p-Xylene	9.685	106	9717	0.897	ug/L	96
54) o-Xylene	10.094	106	9450	0.894	ug/L	96
55) Styrene	10.110	104	14850	0.837	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.772	83	6630	0.996	ug/L	99
59) Bromoform	10.283	173	3033	0.967	ug/L #	95
60) Isopropylbenzene	10.476	105	25036	0.952	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	4656	1.145	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	18834	0.911	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	17643	0.903	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	11598	0.977	ug/L	95
65) 1,4-Dichlorobenzene	11.830	146	12268	1.020	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	10991	0.970	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.994	75	855	1.278	ug/L	86
69) 1,3,5-Trichlorobenzene	13.216	180	7869	0.998	ug/L	96
70) 1,2,4-trichlorobenzene	13.836	180	5939	1.073	ug/L	99
71) Naphthalene	14.090	128	8612	1.043	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	5130	1.036	ug/L	96

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

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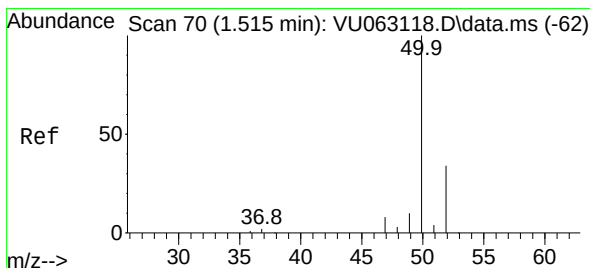
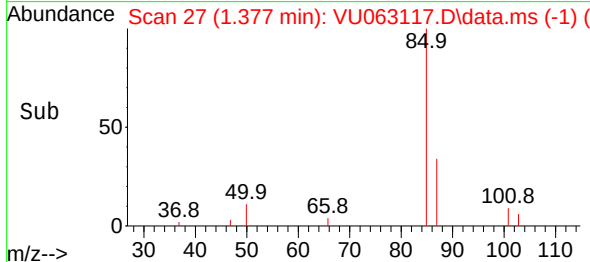
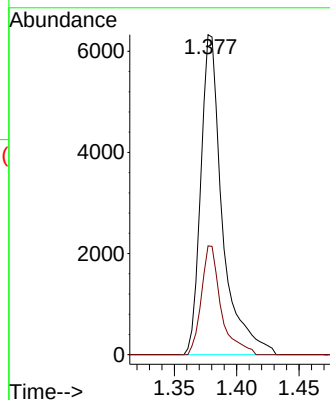
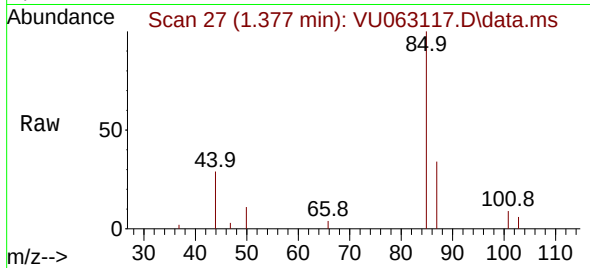




#2
Dichlorodifluoromethane
Concen: 1.281 ug/L
RT: 1.377 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

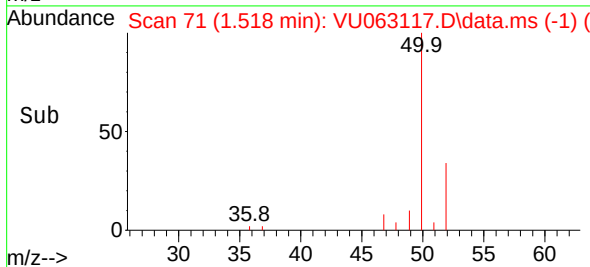
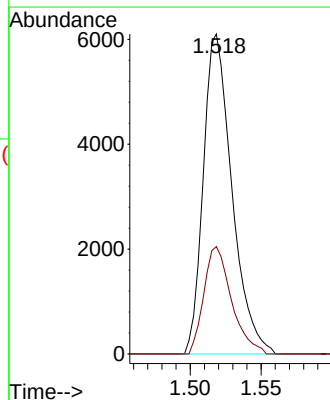
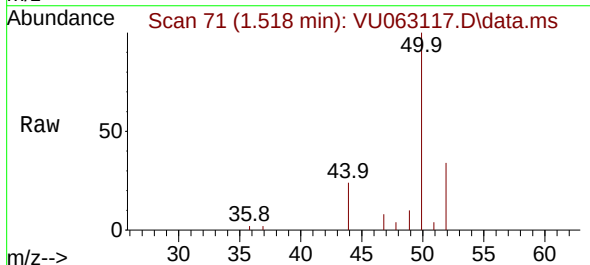
Instrument :
MSVOA_U
ClientSampleId :
VSTD001001

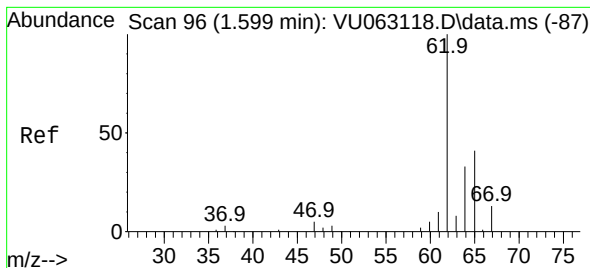
Tgt Ion: 85 Resp: 7623
Ion Ratio Lower Upper
85 100
87 31.0 25.9 38.9



#3
Chloromethane
Concen: 1.197 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

Tgt Ion: 50 Resp: 8570
Ion Ratio Lower Upper
50 100
52 33.5 23.4 43.6





#5

Vinyl chloride

Concen: 1.155 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

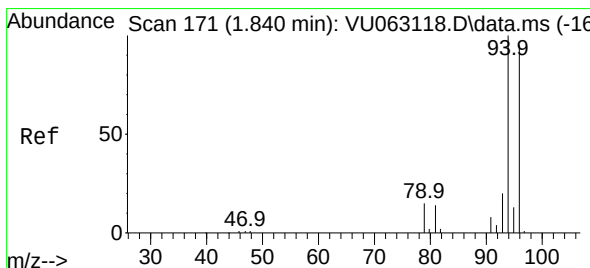
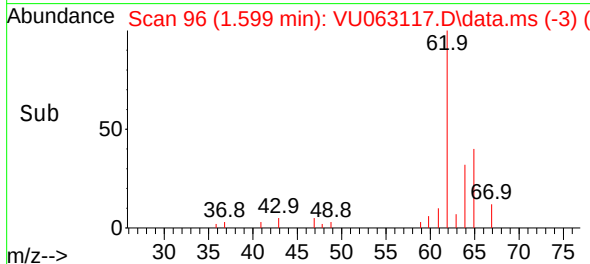
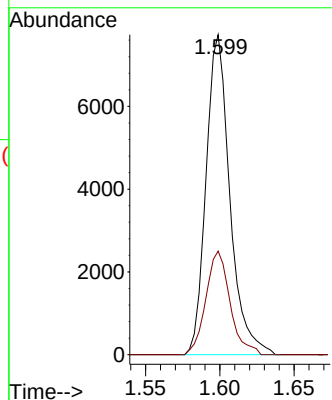
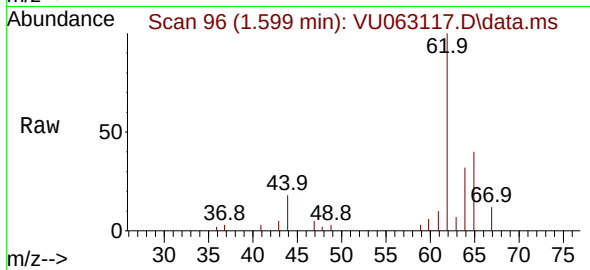
VSTD001001

Tgt Ion: 62 Resp: 8620

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.0



#6

Bromomethane

Concen: 0.997 ug/L

RT: 1.843 min Scan# 172

Delta R.T. 0.003 min

Lab File: VU063117.D

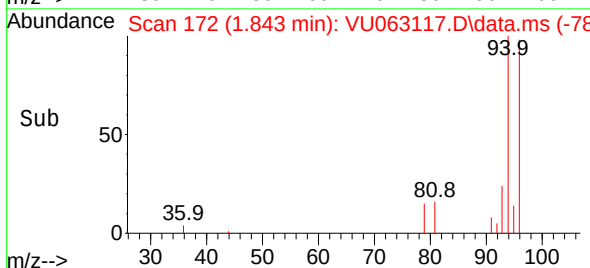
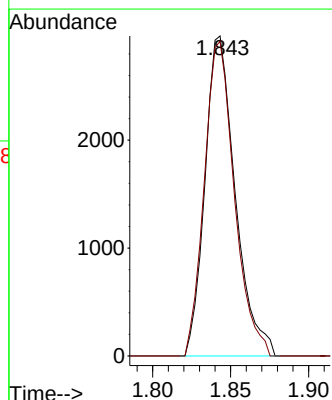
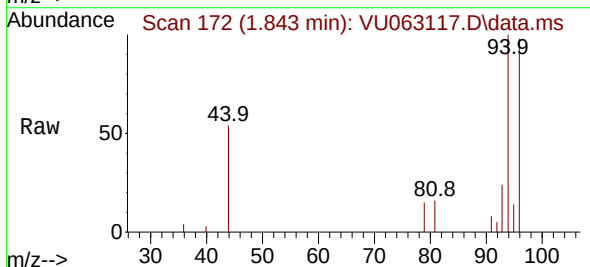
Acq: 04 Feb 2025 13:03

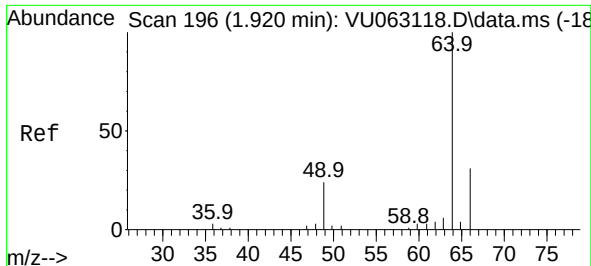
Tgt Ion: 94 Resp: 4007

Ion Ratio Lower Upper

94 100

96 98.3 66.3 123.1

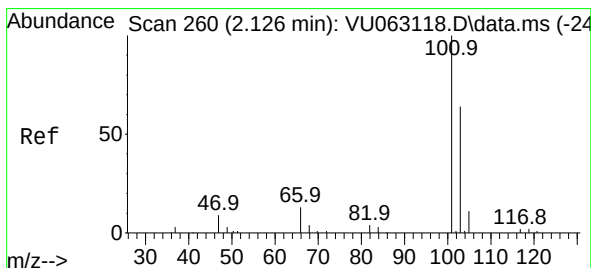
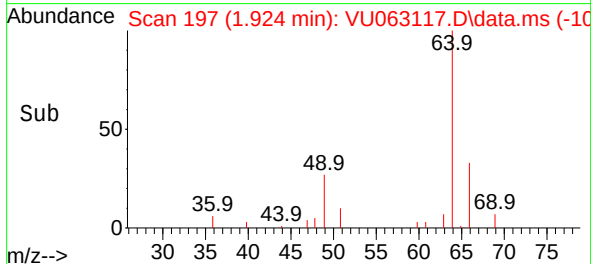
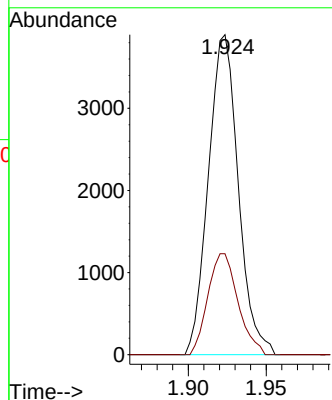
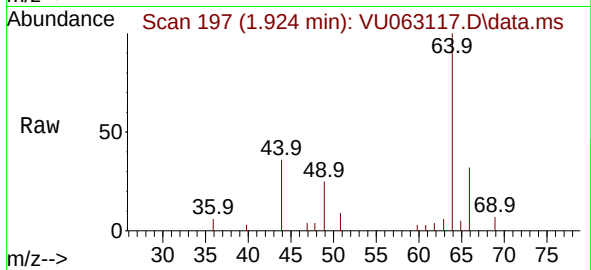




#8
Chloroethane
Concen: 1.171 ug/L
RT: 1.924 min Scan# 197
Delta R.T. 0.003 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

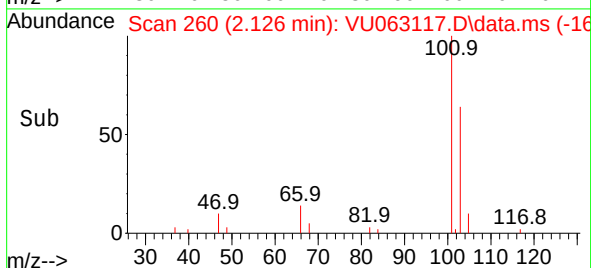
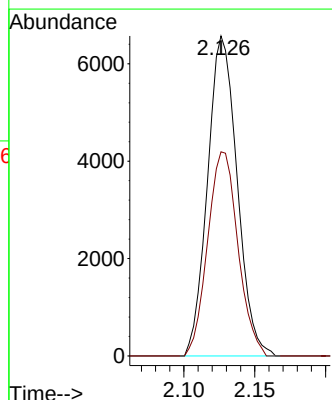
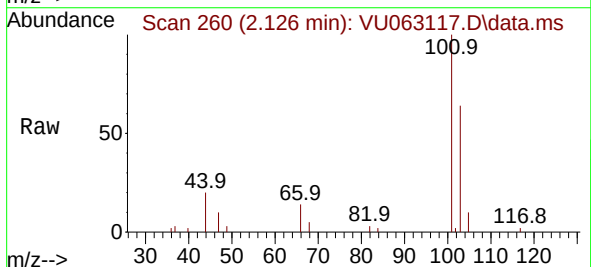
Instrument :
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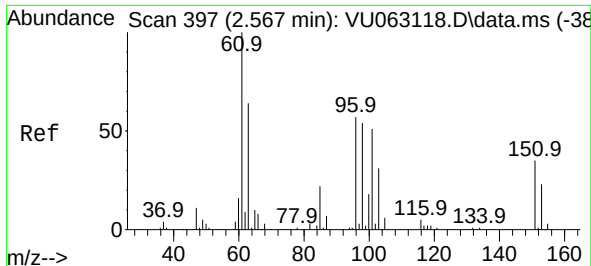
Tgt Ion: 64 Resp: 5193
Ion Ratio Lower Upper
64 100
66 31.5 21.7 40.3



#9
Trichlorofluoromethane
Concen: 0.989 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.000 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

Tgt Ion:101 Resp: 9554
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.8





#10

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

Concen: 0.940 ug/L

RT: 2.567 min Scan# 397

Delta R.T. -0.000 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD001001

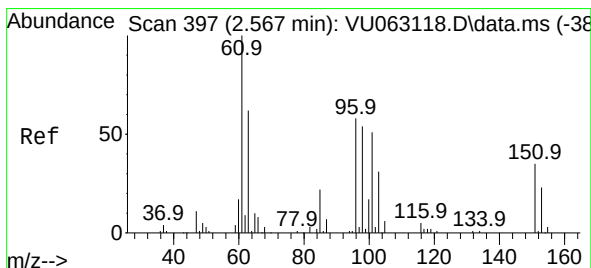
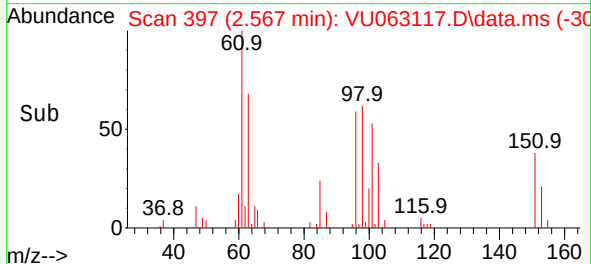
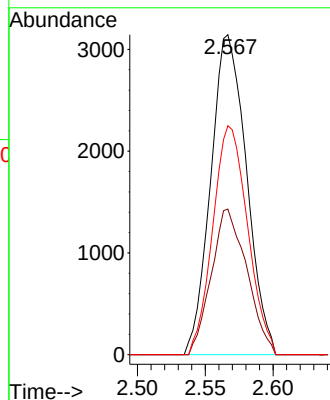
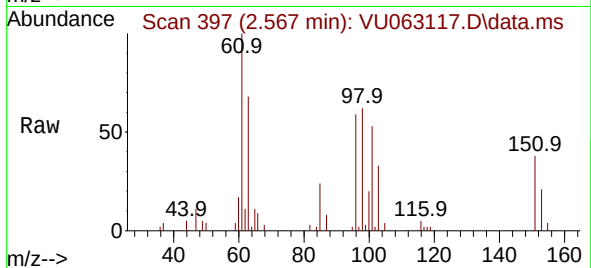
Tgt Ion:101 Resp: 5774

Ion Ratio Lower Upper

101 100

85 45.3 35.0 52.4

151 69.8 56.3 84.5



#12

1,1-Dichloroethene

Concen: 0.992 ug/L

RT: 2.567 min Scan# 397

Delta R.T. -0.000 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

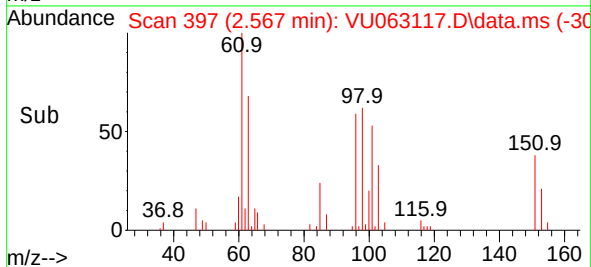
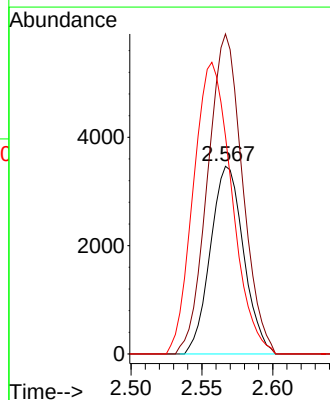
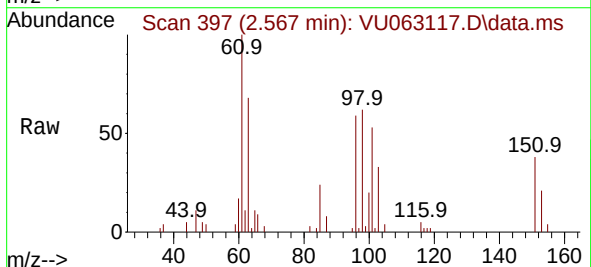
Tgt Ion: 96 Resp: 5641

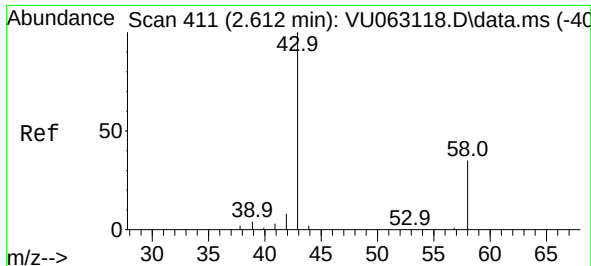
Ion Ratio Lower Upper

96 100

61 170.5 121.9 226.3

63 116.0 80.3 149.1





#13

Acetone

Concen: 12.233 ug/L

RT: 2.615 min Scan# 411

Delta R.T. 0.003 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

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ClientSampleId :

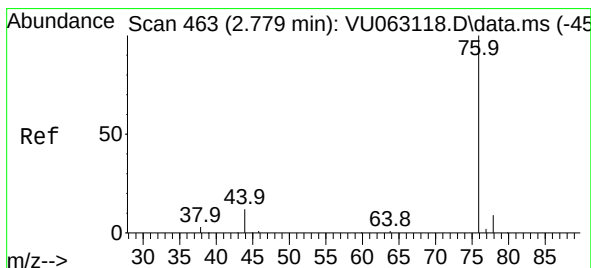
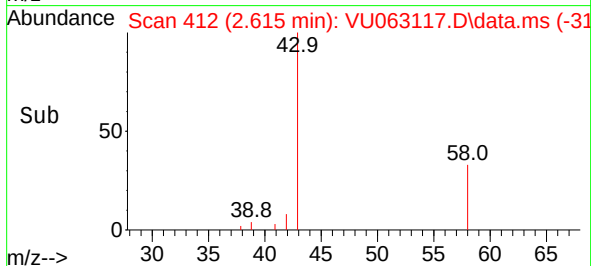
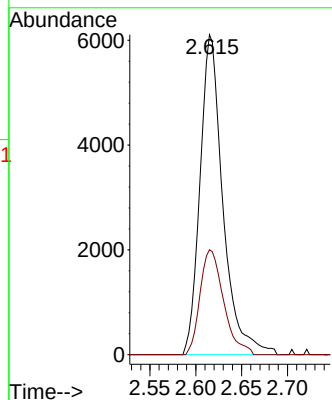
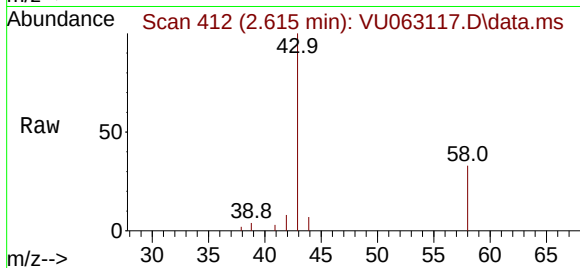
VSTD001001

Tgt Ion: 43 Resp: 10597

Ion Ratio Lower Upper

43 100

58 33.7 0.0 70.2



#14

Carbon disulfide

Concen: 1.175 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.000 min

Lab File: VU063117.D

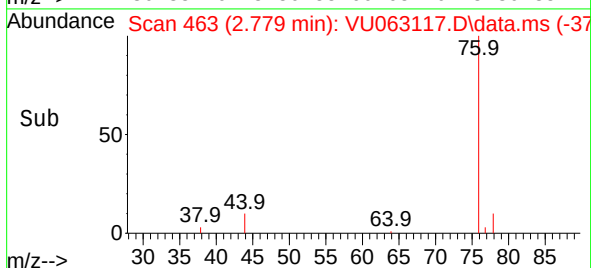
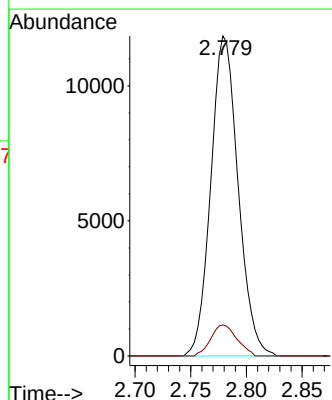
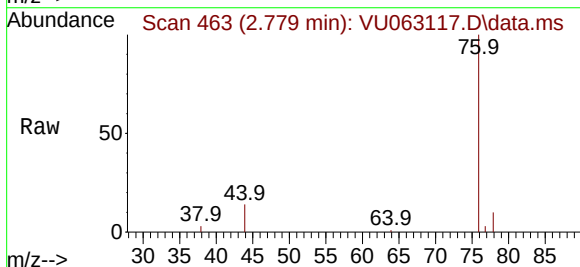
Acq: 04 Feb 2025 13:03

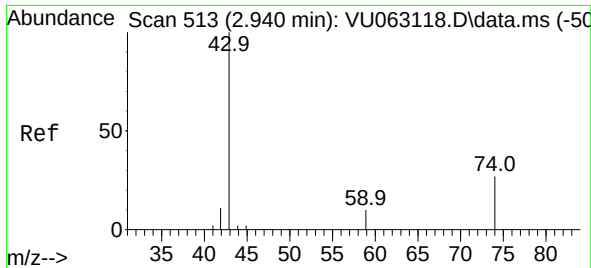
Tgt Ion: 76 Resp: 20202

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3





#15

Methyl Acetate

Concen: 1.186 ug/L

RT: 2.949 min Scan# 51

Delta R.T. 0.010 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

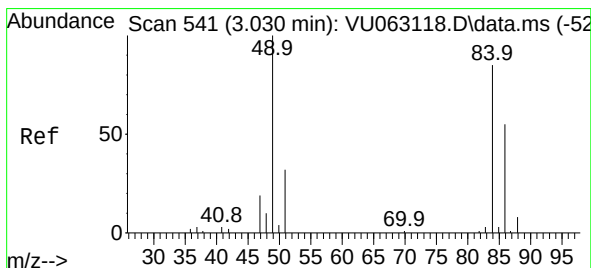
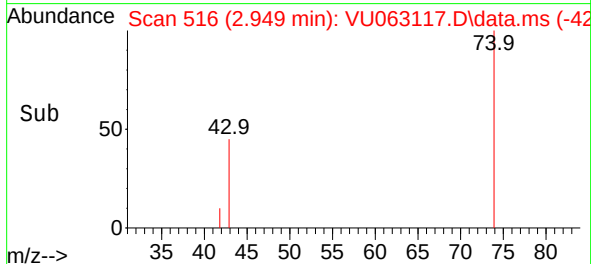
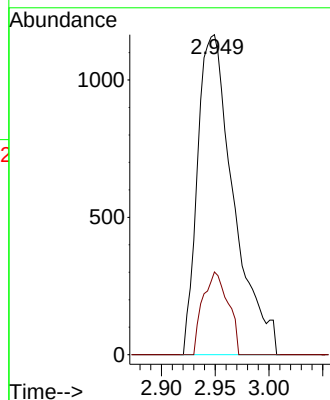
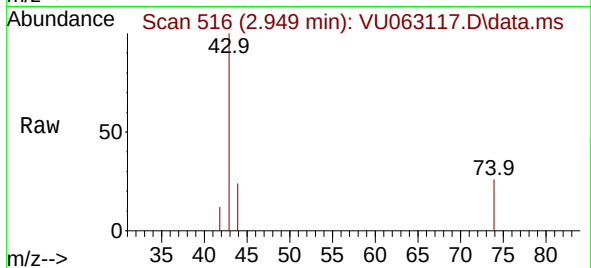
VSTD001001

Tgt Ion: 43 Resp: 2714

Ion Ratio Lower Upper

43 100

74 18.1 19.5 29.3#



#16

Methylene chloride

Concen: 1.058 ug/L

RT: 3.033 min Scan# 542

Delta R.T. 0.003 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

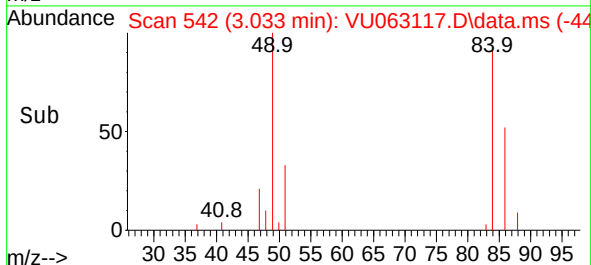
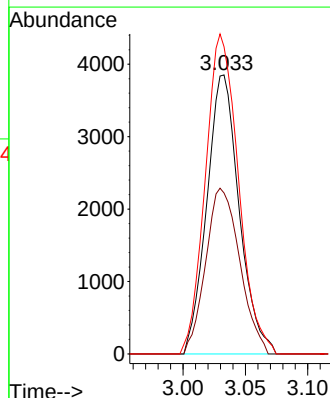
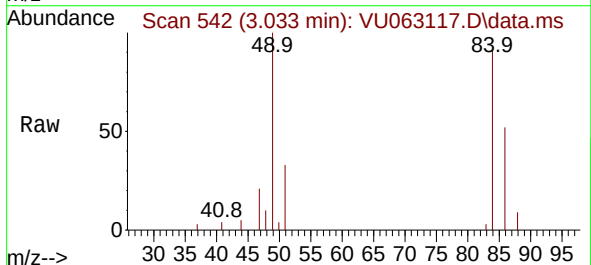
Tgt Ion: 84 Resp: 6965

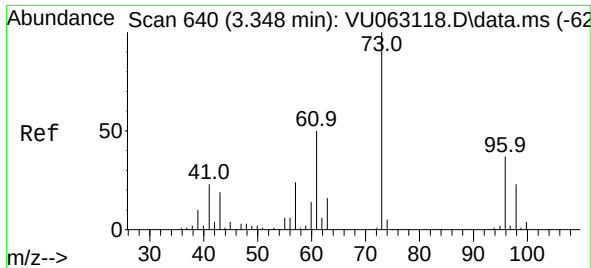
Ion Ratio Lower Upper

84 100

86 57.7 45.0 83.6

49 110.1 82.4 153.0

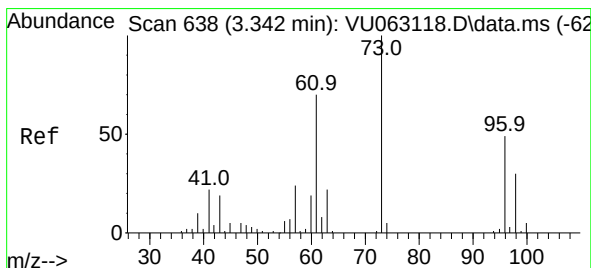
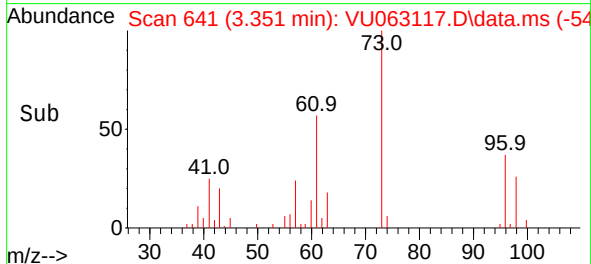
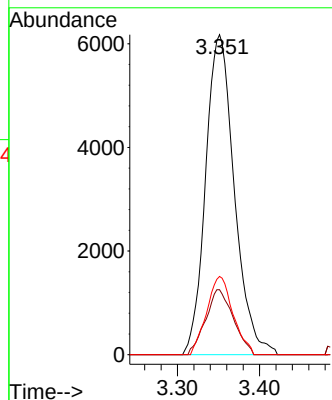
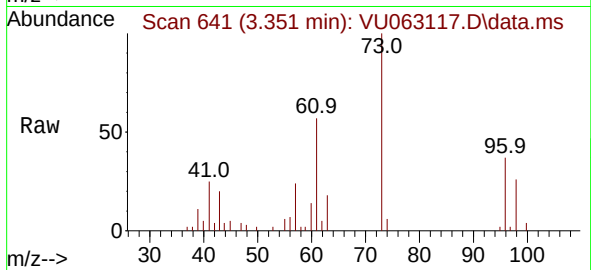




#17
Methyl tert-butyl Ether
Concen: 0.998 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

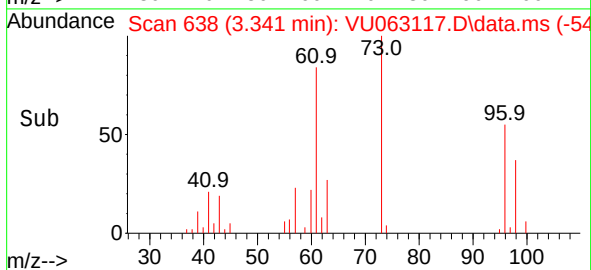
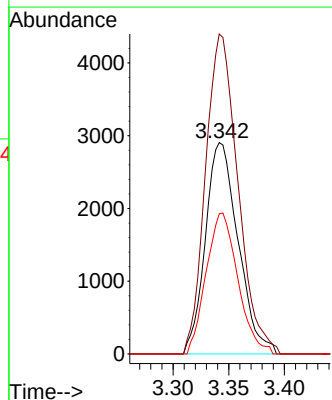
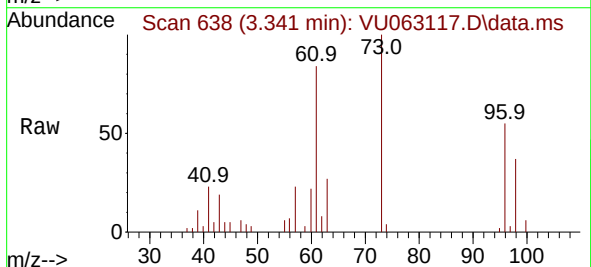
Instrument :
MSVOA_U
ClientSampleId :
VSTD001001

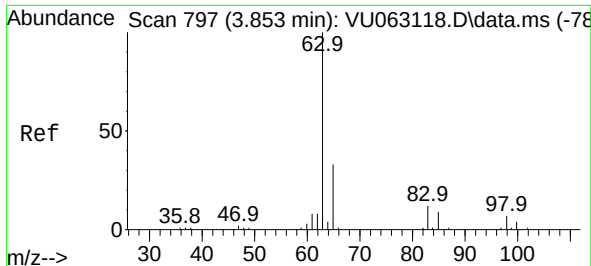
Tgt Ion: 73	Resp:	15060
Ion Ratio	Lower	Upper
73	100	
43	19.5	15.1 22.7
57	22.3	18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 1.026 ug/L
RT: 3.341 min Scan# 638
Delta R.T. -0.000 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

Tgt Ion: 96	Resp:	5934
Ion Ratio	Lower	Upper
96	100	
61	151.4	99.2 184.2
98	66.3	43.2 80.2

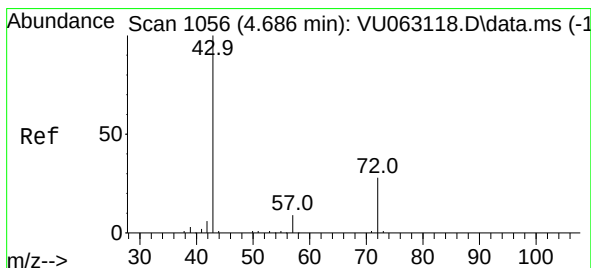
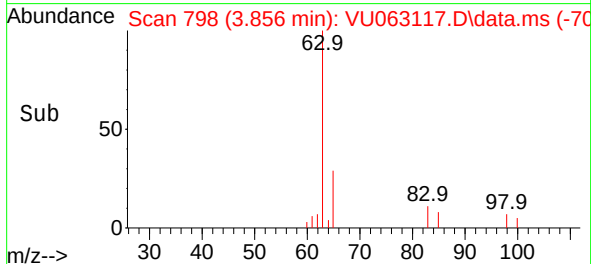
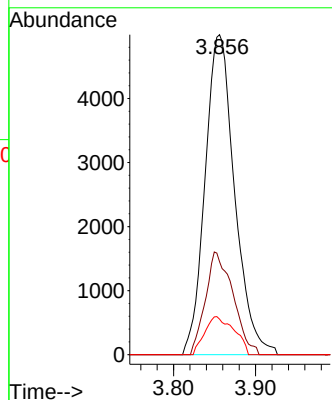
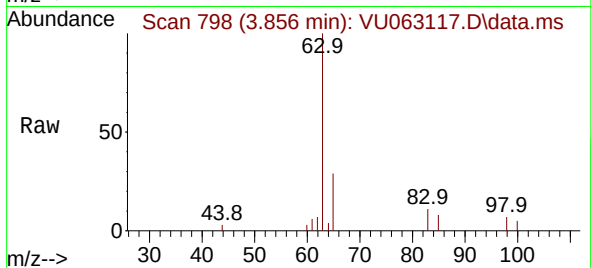




#19
1,1-Dichloroethane
Concen: 1.073 ug/L
RT: 3.856 min Scan# 797
Delta R.T. 0.003 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

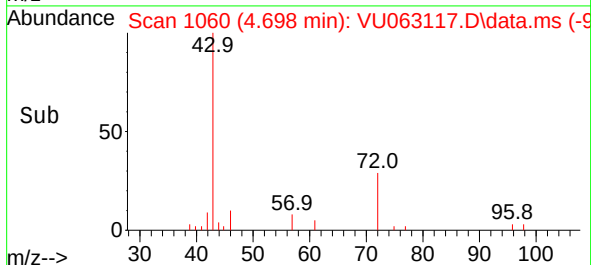
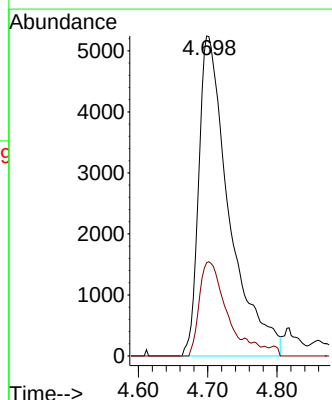
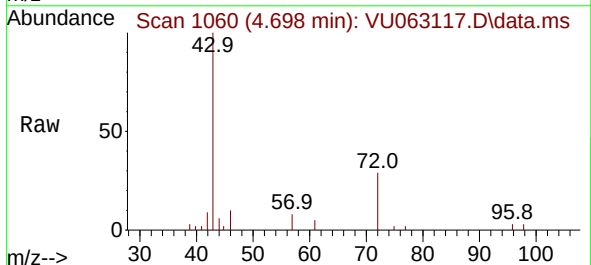
Instrument :
MSVOA_U
ClientSampleId :
VSTD001001

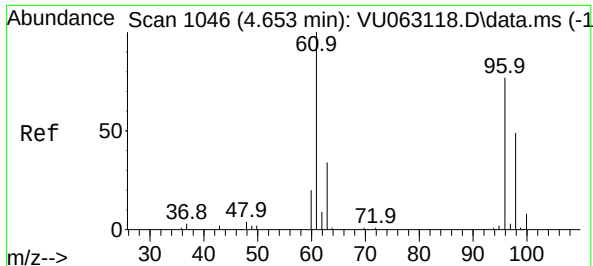
Tgt Ion: 63 Resp: 12519
Ion Ratio Lower Upper
63 100
65 29.0 23.2 43.0
83 11.1 8.7 16.1



#21
2-Butanone
Concen: 11.231 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. 0.013 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

Tgt Ion: 43 Resp: 15985
Ion Ratio Lower Upper
43 100
72 24.5 13.9 41.7





#22

cis-1,2-Dichloroethene

Concen: 0.952 ug/L

RT: 4.657 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD001001

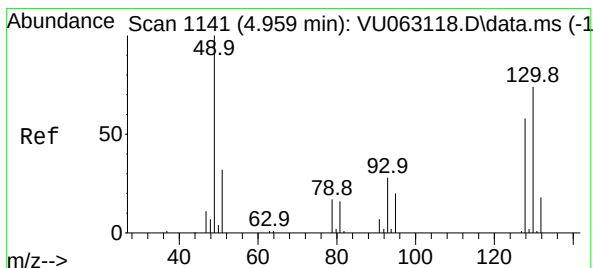
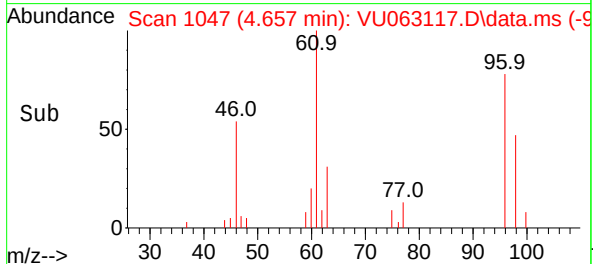
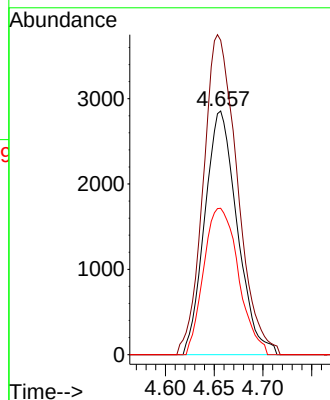
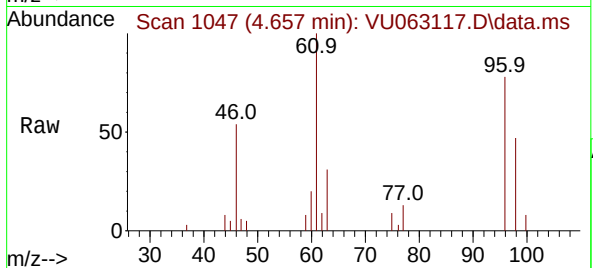
Tgt Ion: 96 Resp: 6620

Ion Ratio Lower Upper

96 100

61 129.0 91.8 170.6

98 60.0 44.4 82.4



#23

Bromochloromethane

Concen: 1.037 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.010 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Tgt Ion: 128 Resp: 3050

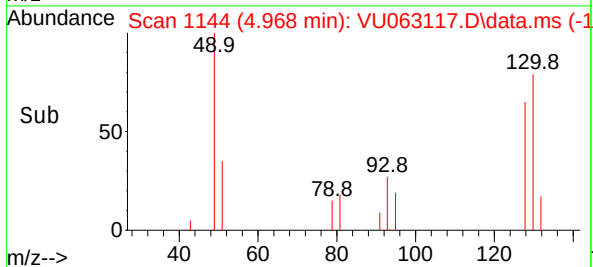
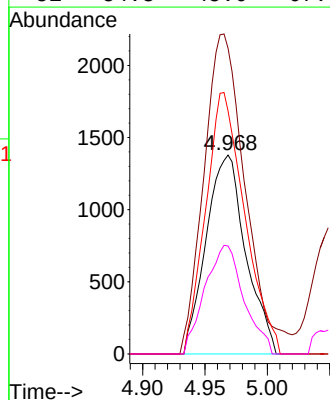
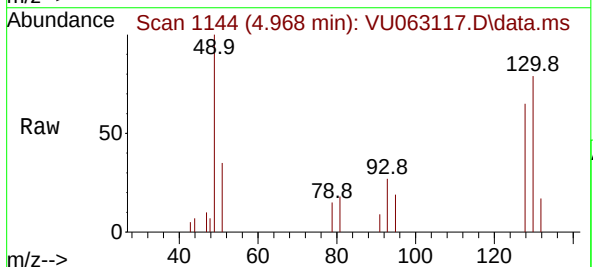
Ion Ratio Lower Upper

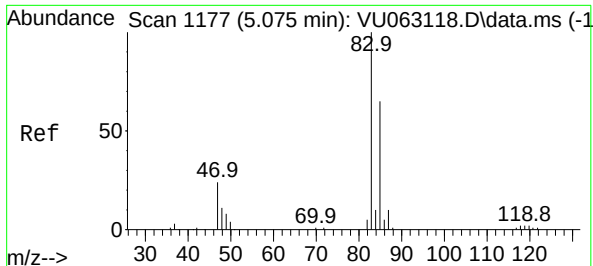
128 100

49 153.8 121.2 225.2

130 122.2 89.2 165.6

51 54.3 45.0 67.4





#25

Chloroform

Concen: 0.981 ug/L

RT: 5.075 min Scan# 1177

Delta R.T. -0.000 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

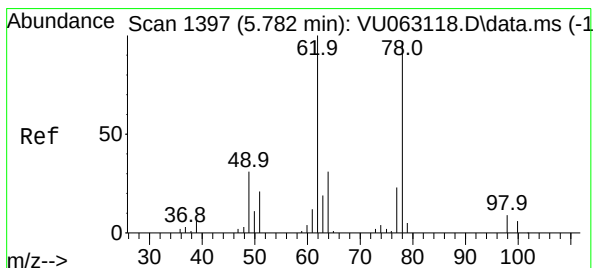
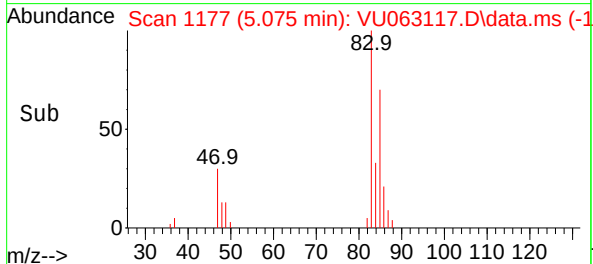
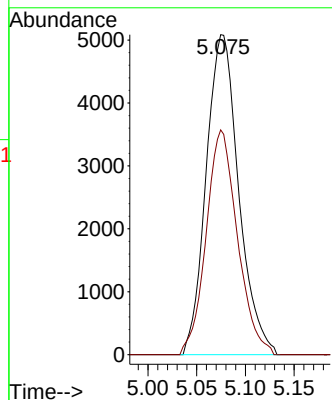
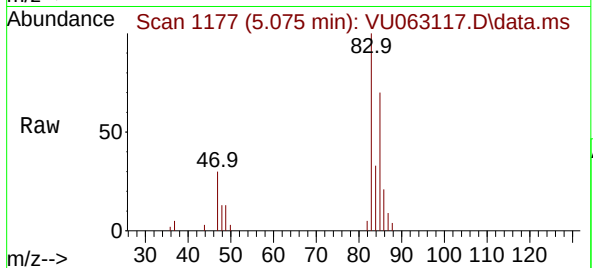
VSTD001001

Tgt Ion: 83 Resp: 11806

Ion Ratio Lower Upper

83 100

85 70.3 45.6 84.8



#27

1,2-Dichloroethane

Concen: 1.070 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.003 min

Lab File: VU063117.D

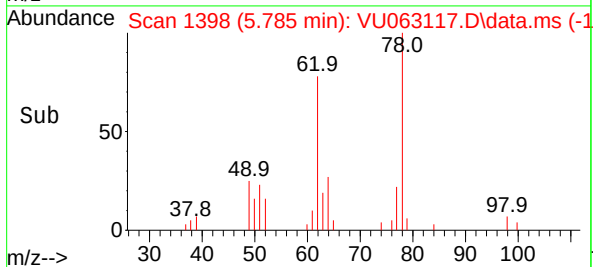
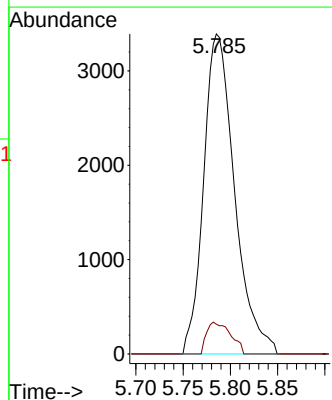
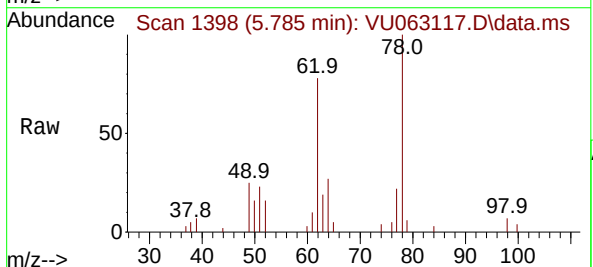
Acq: 04 Feb 2025 13:03

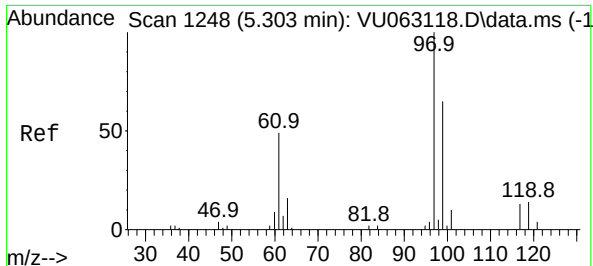
Tgt Ion: 62 Resp: 7718

Ion Ratio Lower Upper

62 100

98 9.3 7.2 10.8





#29

1,1,1-Trichloroethane

Concen: 0.969 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD001001

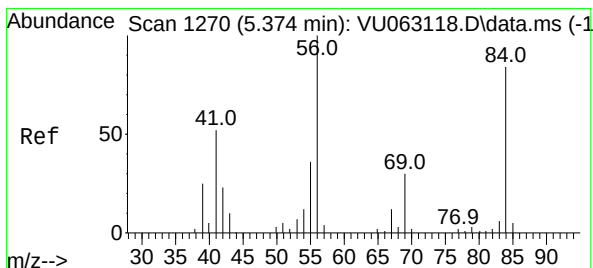
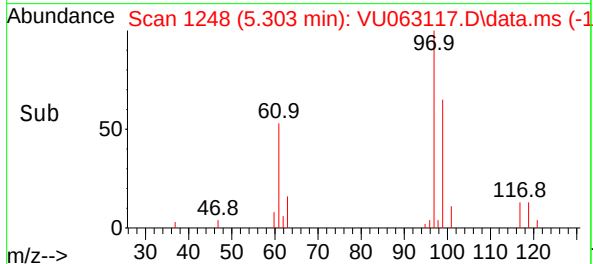
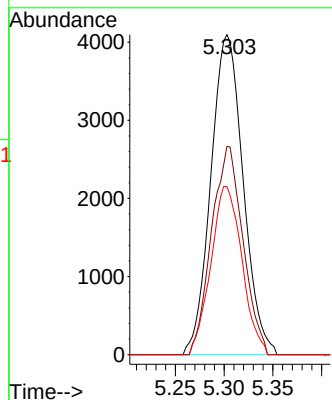
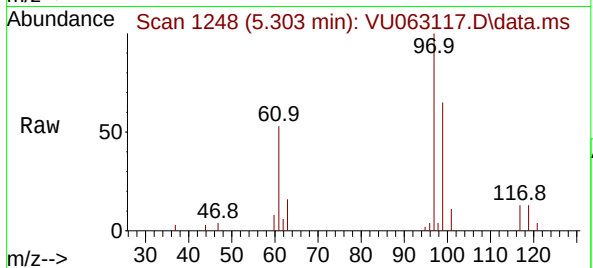
Tgt Ion: 97 Resp: 9450

Ion Ratio Lower Upper

97 100

99 63.2 51.5 77.3

61 50.5 38.5 57.7



#30

Cyclohexane

Concen: 1.072 ug/L

RT: 5.374 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

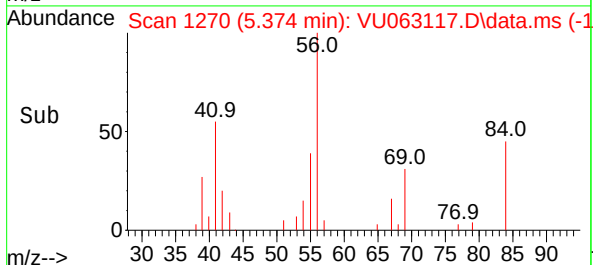
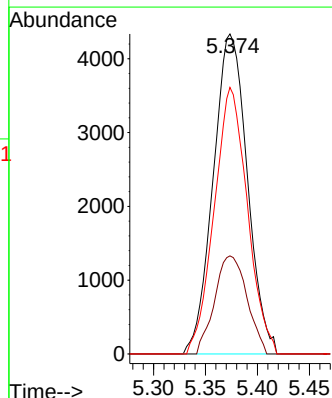
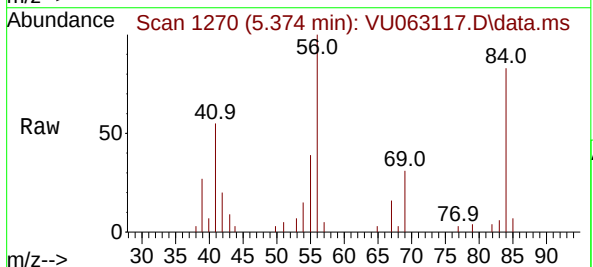
Tgt Ion: 56 Resp: 9899

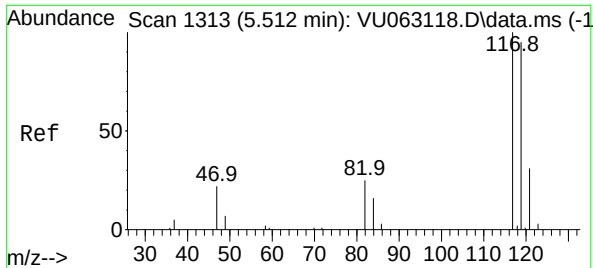
Ion Ratio Lower Upper

56 100

69 29.0 24.6 37.0

84 81.0 67.9 101.9

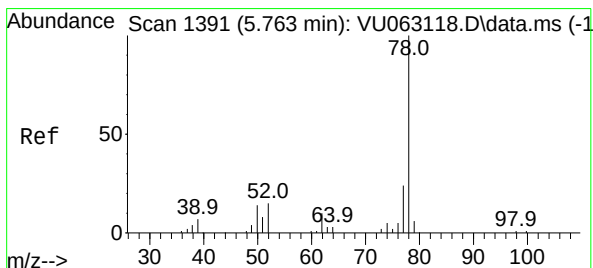
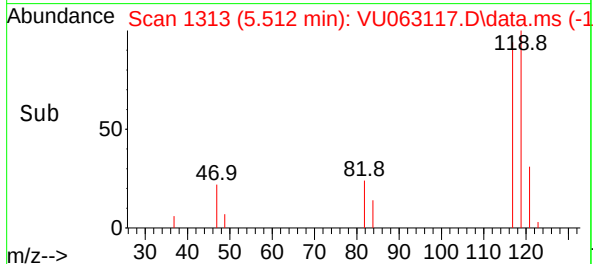
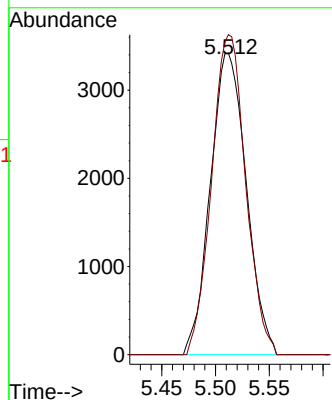
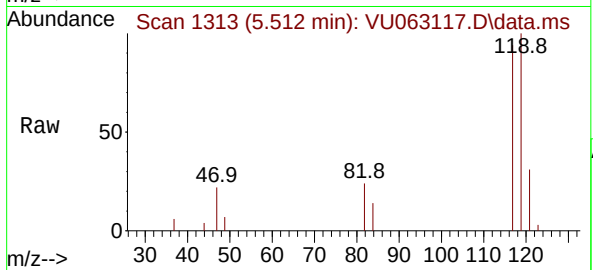




#31
Carbon tetrachloride
Concen: 0.955 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

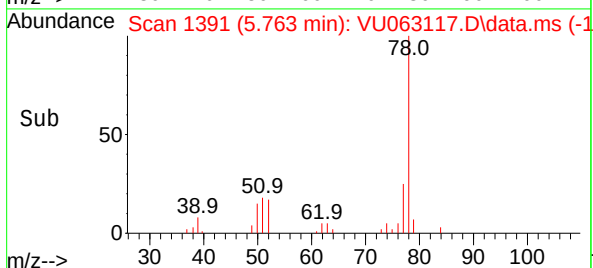
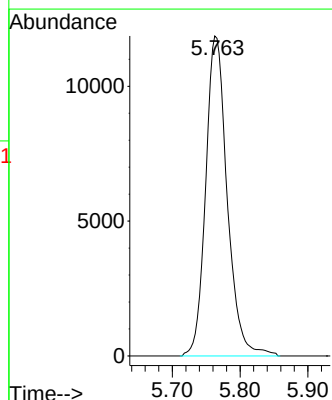
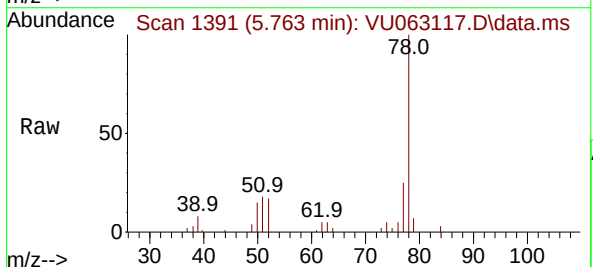
Instrument :
MSVOA_U
ClientSampleId :
VSTD001001

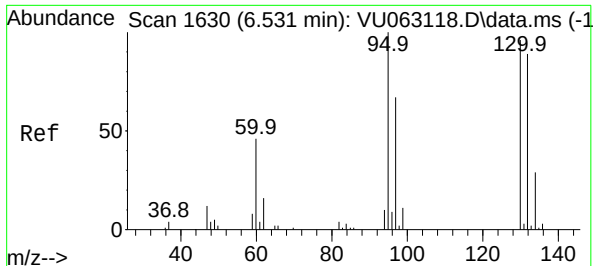
Tgt Ion:117 Resp: 7948
Ion Ratio Lower Upper
117 100
119 100.3 77.0 115.4



#33
Benzene
Concen: 0.994 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

Tgt Ion: 78 Resp: 26178

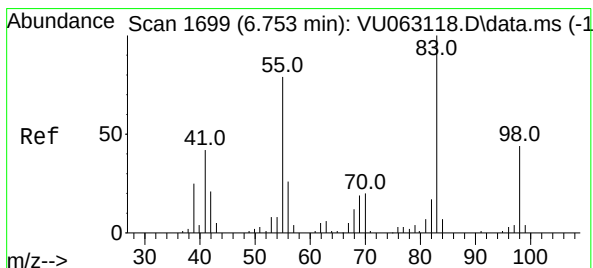
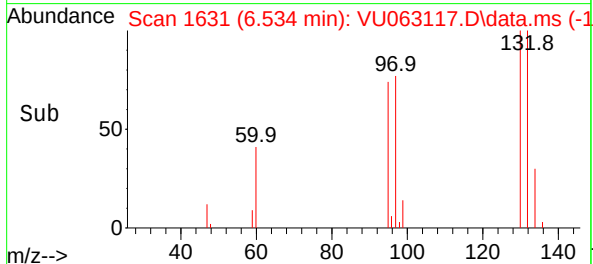
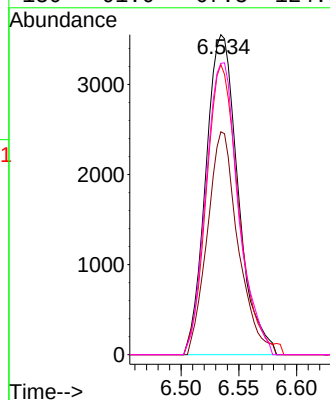
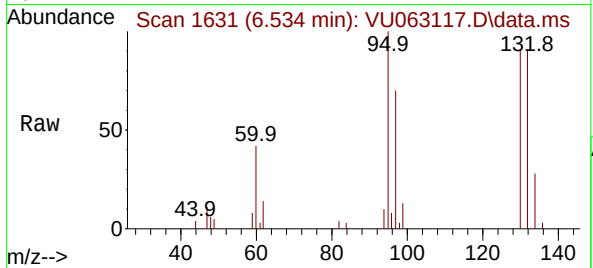




#34
Trichloroethene
Concen: 0.997 ug/L
RT: 6.534 min Scan# 1630
Delta R.T. 0.003 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

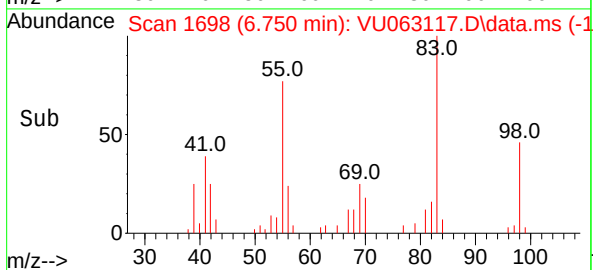
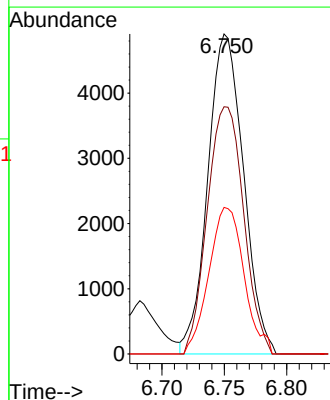
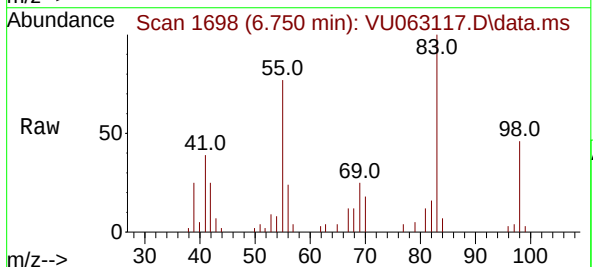
Instrument :
MSVOA_U
ClientSampleId :
VSTD001001

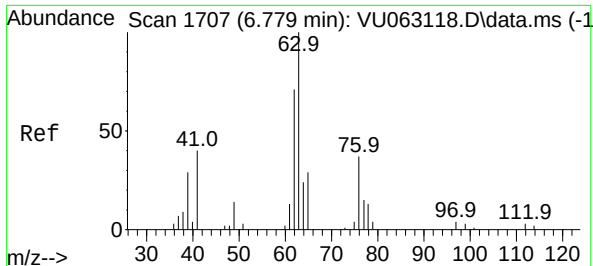
Tgt Ion: 95 Resp: 6902
Ion Ratio Lower Upper
95 100
97 69.7 46.7 86.7
132 90.7 62.4 115.8
130 91.0 67.3 124.9



#35
Methylcyclohexane
Concen: 0.987 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

Tgt Ion: 83 Resp: 9778
Ion Ratio Lower Upper
83 100
55 78.8 62.8 94.2
98 45.2 36.0 54.0

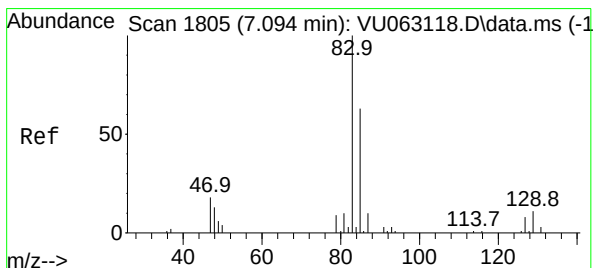
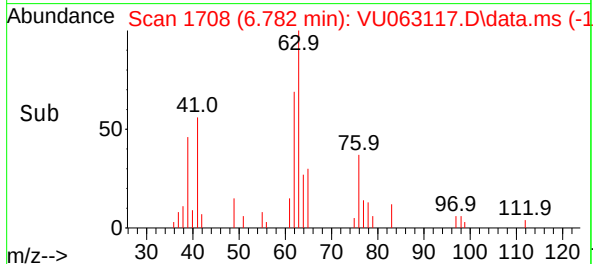
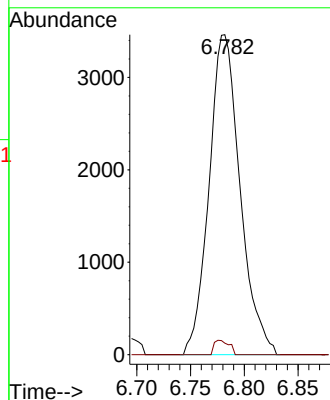
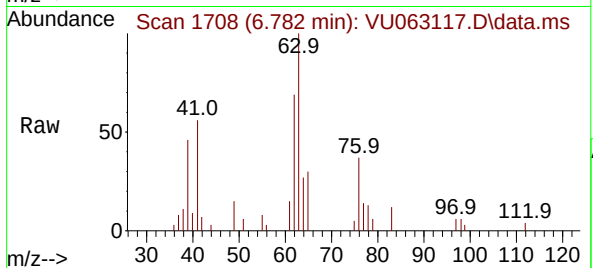




#37
1,2-Dichloropropane
Concen: 0.991 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

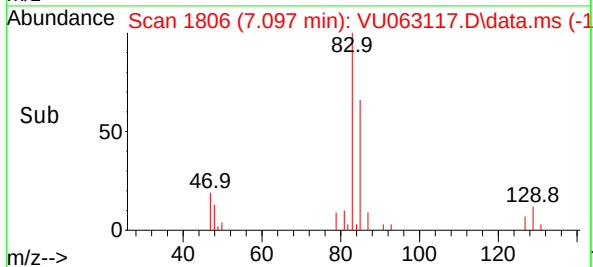
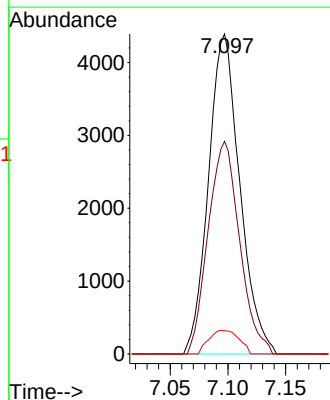
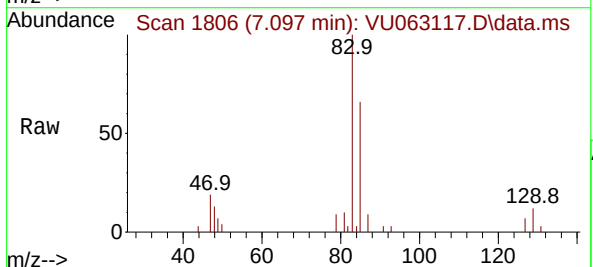
Instrument :
MSVOA_U
ClientSampleId :
VSTD001001

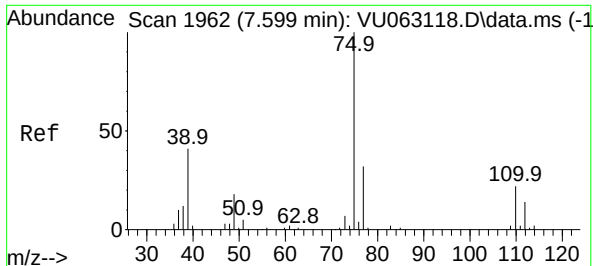
Tgt Ion: 63 Resp: 6956
Ion Ratio Lower Upper
63 100
112 2.2 2.6 4.0#



#38
Bromodichloromethane
Concen: 0.958 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.003 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

Tgt Ion: 83 Resp: 8278
Ion Ratio Lower Upper
83 100
85 66.4 44.0 81.8
127 7.3 6.3 9.5

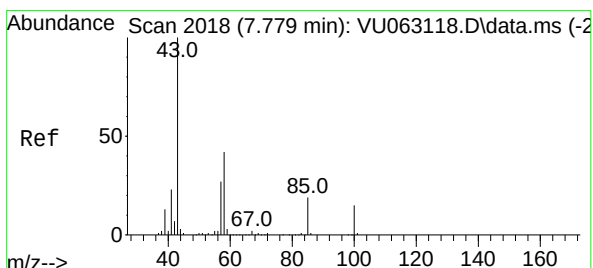
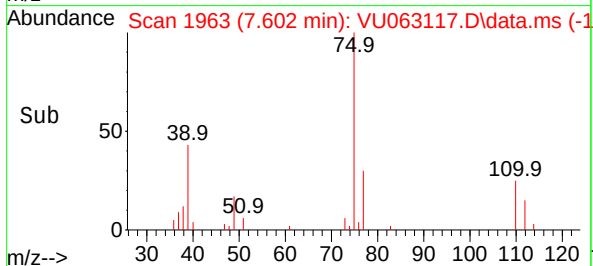
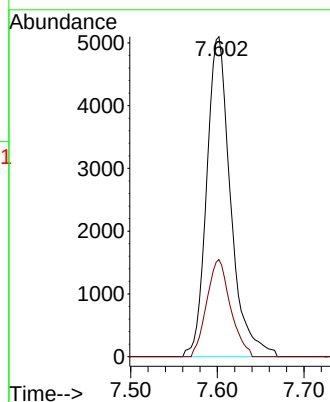
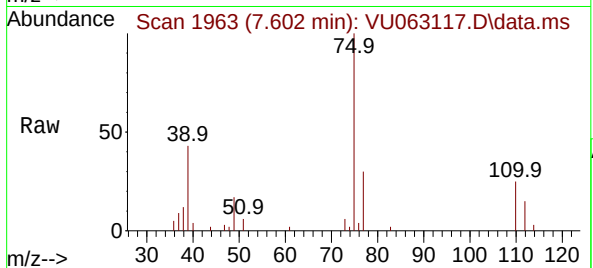




#39
 cis-1,3-Dichloropropene
 Concen: 0.960 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.003 min
 Lab File: VU063117.D
 Acq: 04 Feb 2025 13:03

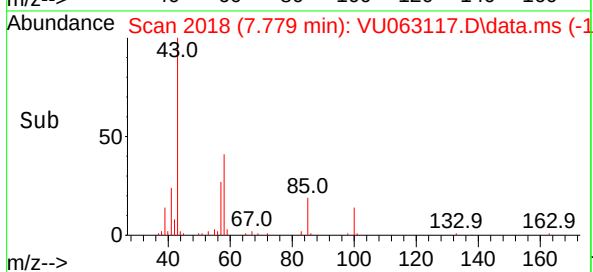
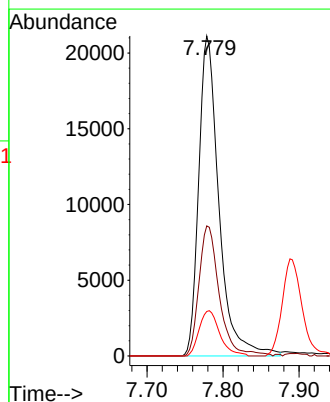
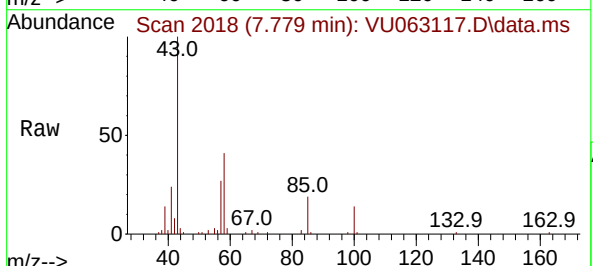
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001001

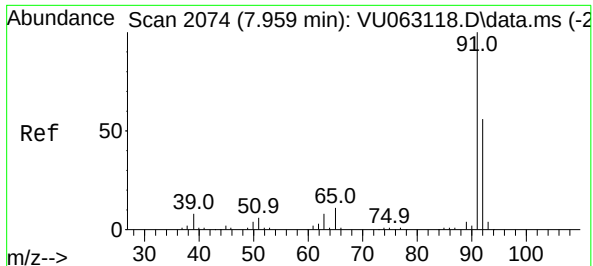
Tgt Ion: 75 Resp: 9790
 Ion Ratio Lower Upper
 75 100
 77 30.3 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 10.687 ug/L
 RT: 7.779 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: VU063117.D
 Acq: 04 Feb 2025 13:03

Tgt Ion: 43 Resp: 39078
 Ion Ratio Lower Upper
 43 100
 58 40.8 33.7 50.5
 100 14.4 12.1 18.1





#42

Toluene

Concen: 0.992 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

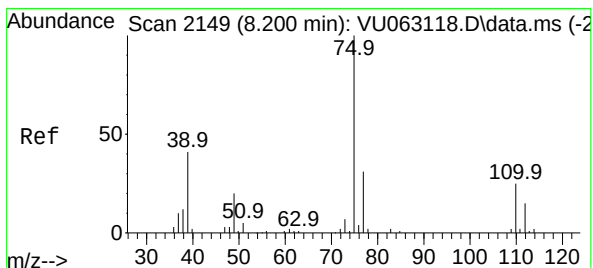
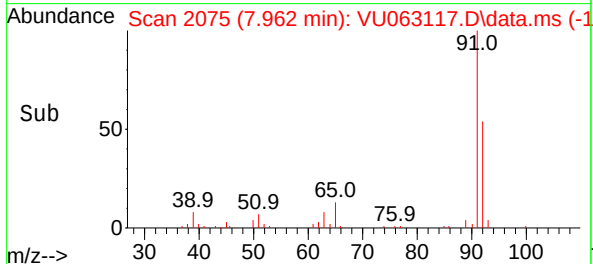
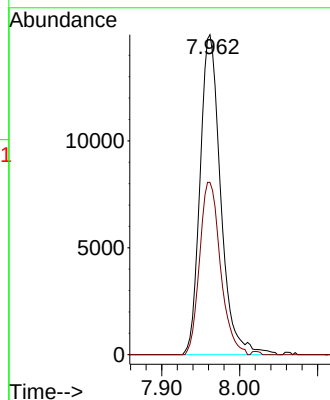
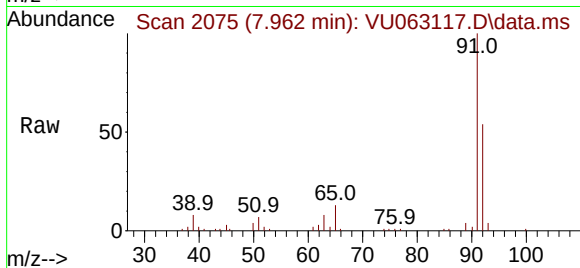
VSTD001001

Tgt Ion: 91 Resp: 27539

Ion Ratio Lower Upper

91 100

92 53.9 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 0.965 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.003 min

Lab File: VU063117.D

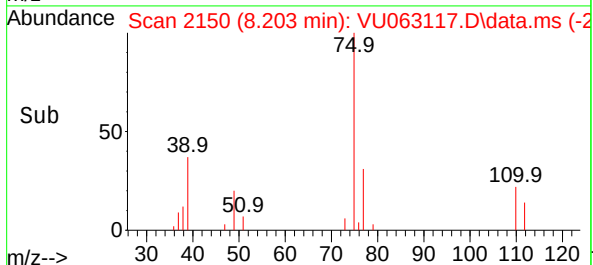
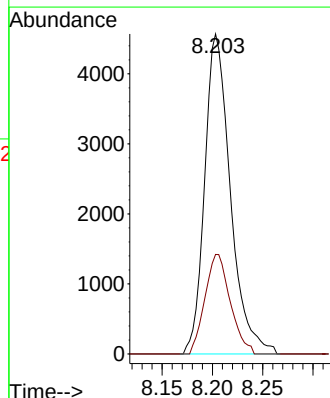
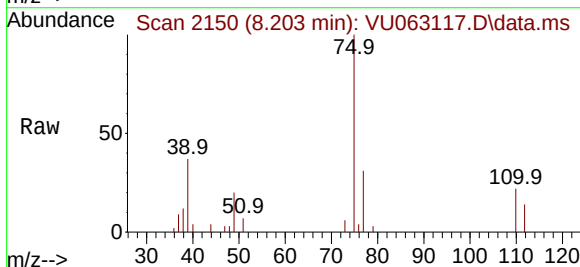
Acq: 04 Feb 2025 13:03

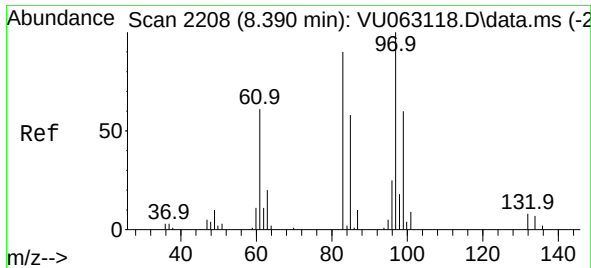
Tgt Ion: 75 Resp: 8141

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 1.013 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD001001

Tgt Ion: 97 Resp: 5323

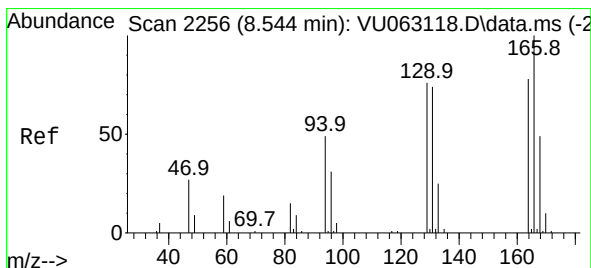
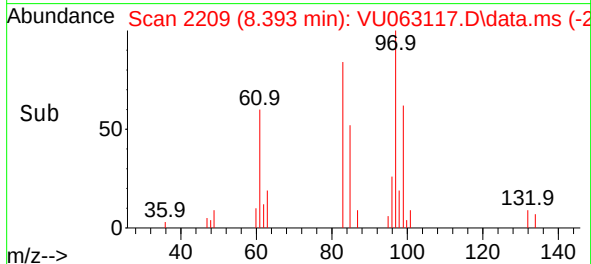
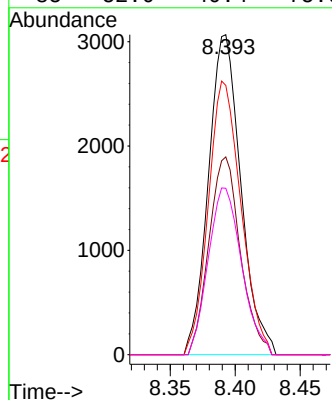
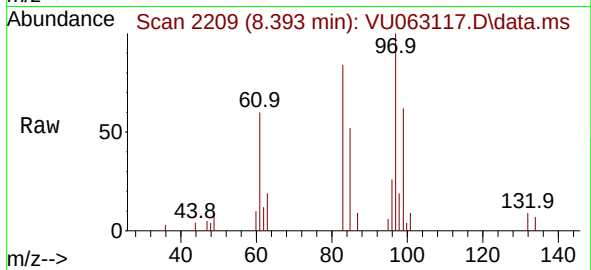
Ion Ratio Lower Upper

97 100

99 61.8 42.2 78.4

83 84.2 62.9 116.9

85 52.0 40.4 75.0



#47

Tetrachloroethene

Concen: 1.017 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Tgt Ion:164 Resp: 4838

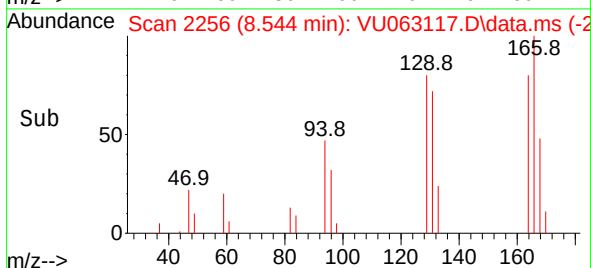
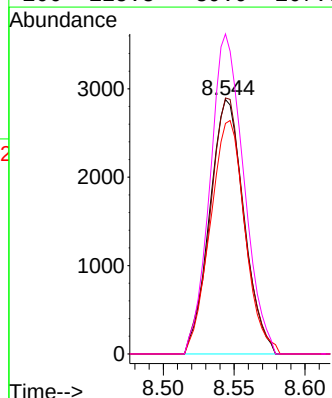
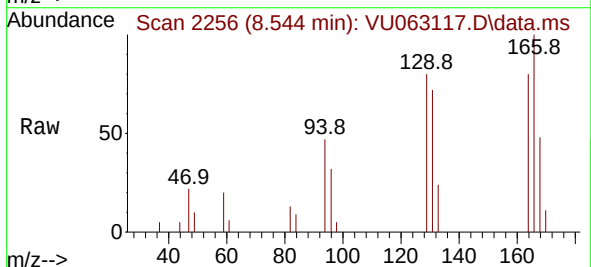
Ion Ratio Lower Upper

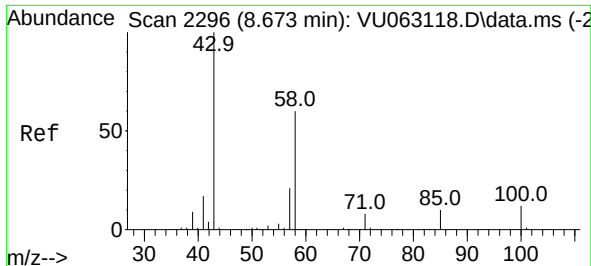
164 100

129 100.6 68.6 127.4

131 90.6 66.5 123.5

166 125.8 89.9 167.0





#48

2-Hexanone

Concen: 10.537 ug/L

RT: 8.676 min Scan# 2296

Delta R.T. 0.003 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD001001

Tgt Ion: 43 Resp: 26908

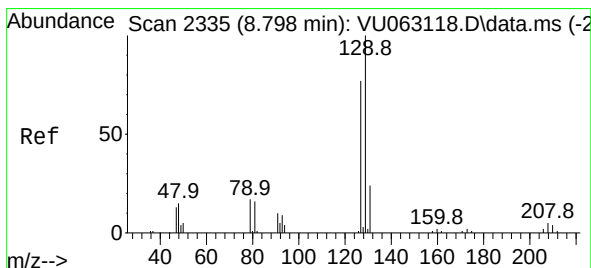
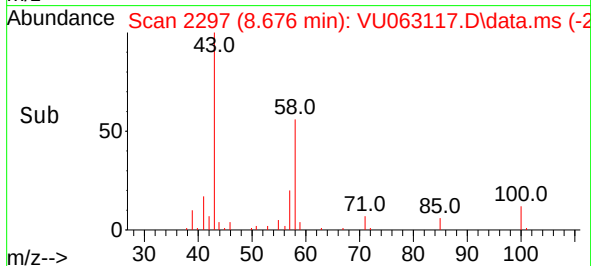
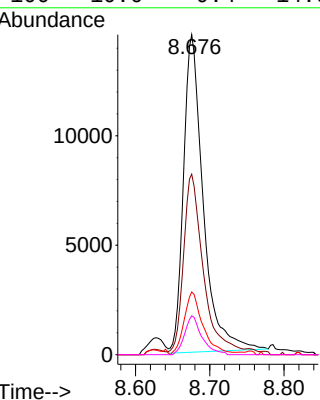
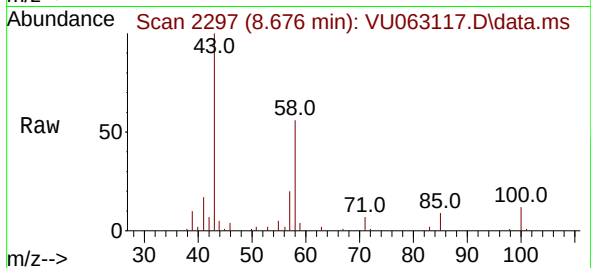
Ion Ratio Lower Upper

43 100

58 55.4 45.8 68.8

57 18.9 15.7 23.5

100 10.6 9.4 14.0



#49

Dibromochloromethane

Concen: 0.975 ug/L

RT: 8.798 min Scan# 2335

Delta R.T. -0.000 min

Lab File: VU063117.D

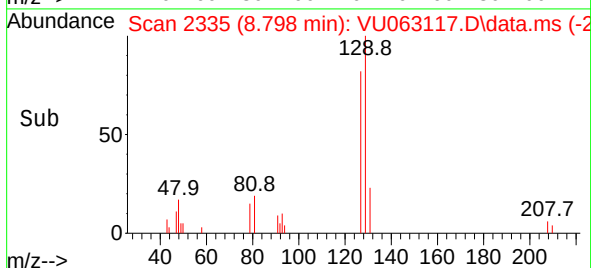
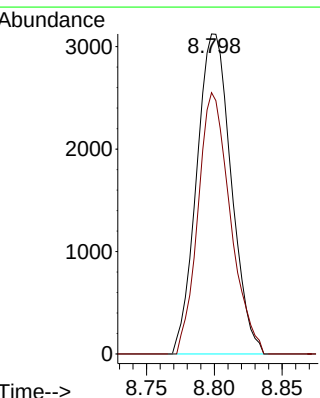
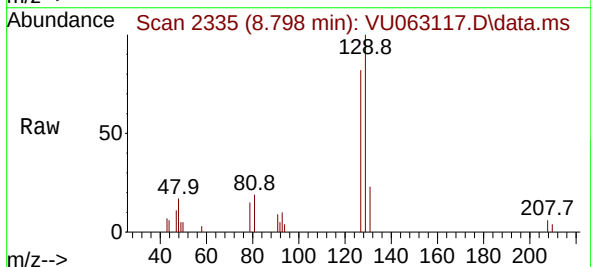
Acq: 04 Feb 2025 13:03

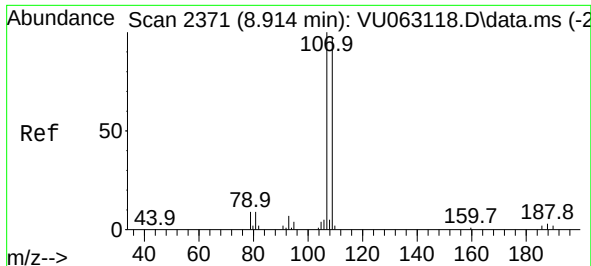
Tgt Ion: 129 Resp: 5536

Ion Ratio Lower Upper

129 100

127 81.7 53.8 99.8





#50

1,2-Dibromoethane

Concen: 1.011 ug/L

RT: 8.917 min Scan# 2371

Delta R.T. 0.003 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD001001

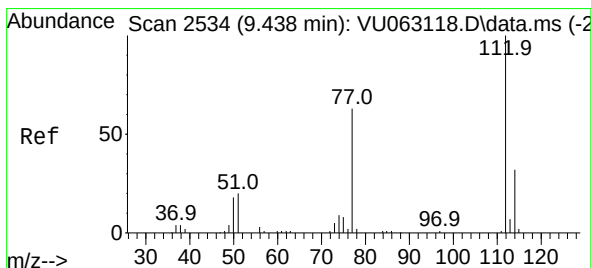
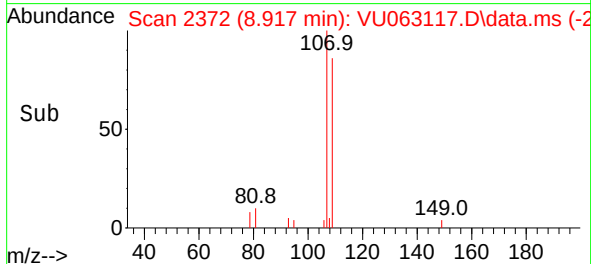
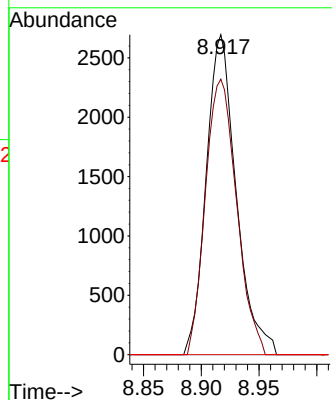
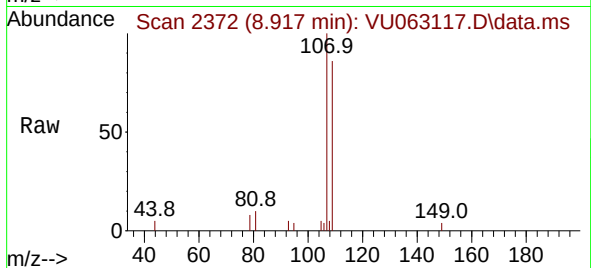
Tgt Ion:107 Resp: 4869

Ion Ratio Lower Upper

107 100

109 86.1 67.6 125.6

188 0.0 2.6 3.8#



#51

Chlorobenzene

Concen: 1.006 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. -0.000 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

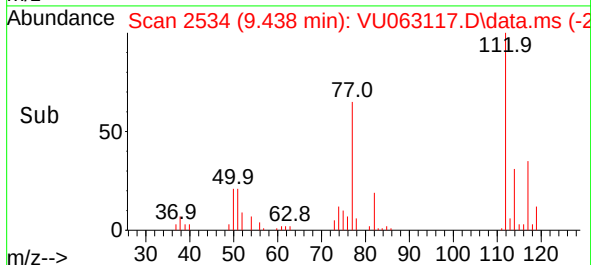
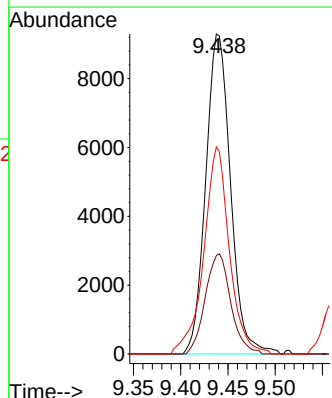
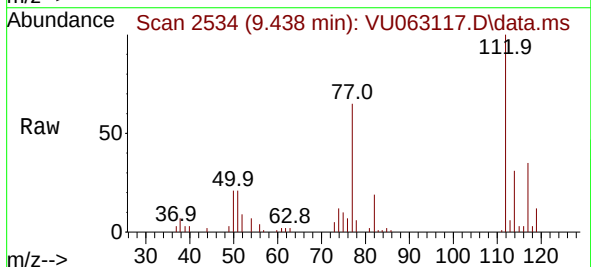
Tgt Ion:112 Resp: 16968

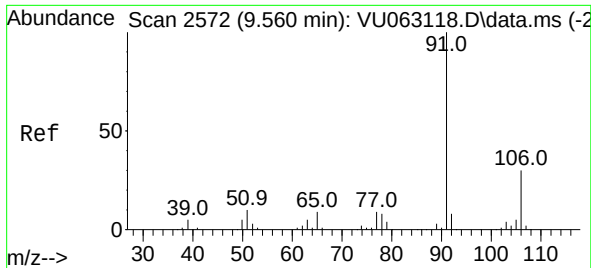
Ion Ratio Lower Upper

112 100

114 30.8 22.6 42.0

77 64.7 50.8 76.2

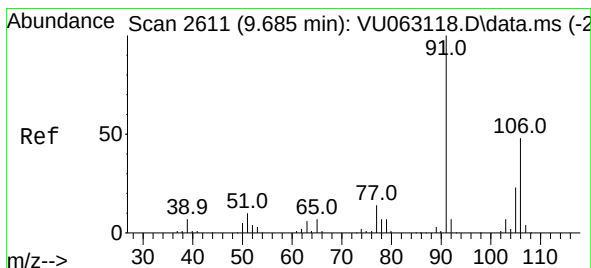
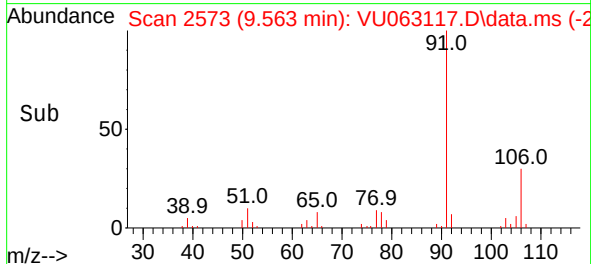
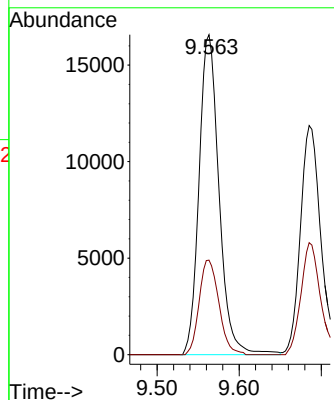
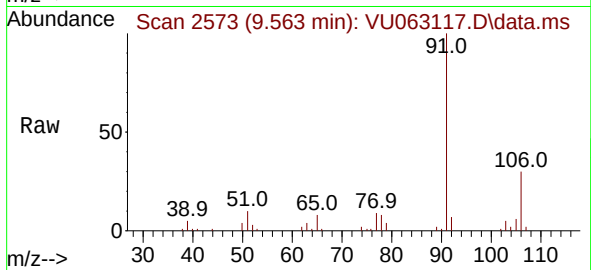




#52
Ethylbenzene
Concen: 0.954 ug/L
RT: 9.563 min Scan# 2572
Delta R.T. 0.003 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

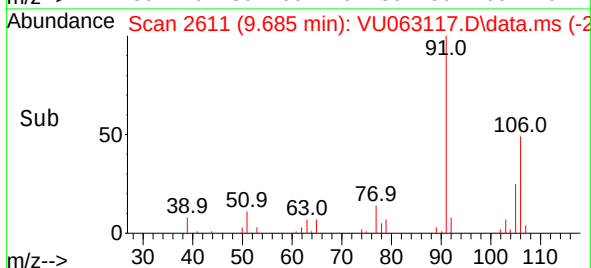
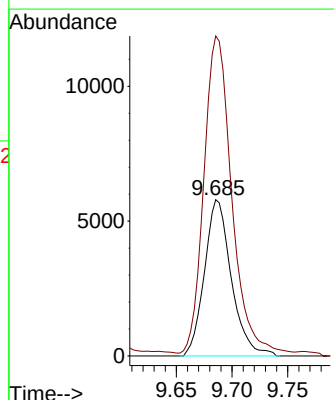
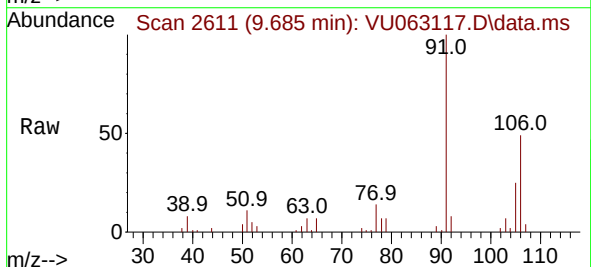
Instrument :
MSVOA_U
ClientSampleId :
VSTD001001

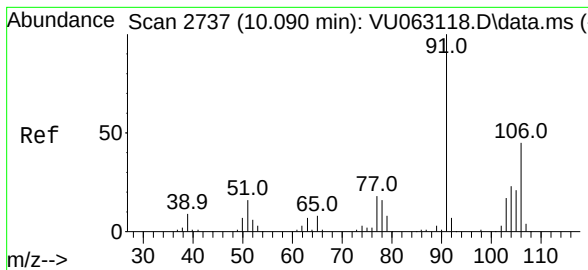
Tgt Ion: 91 Resp: 28024
Ion Ratio Lower Upper
91 100
106 29.6 21.3 39.6



#53
m,p-Xylene
Concen: 0.897 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.000 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

Tgt Ion:106 Resp: 9717
Ion Ratio Lower Upper
106 100
91 204.6 147.3 273.6

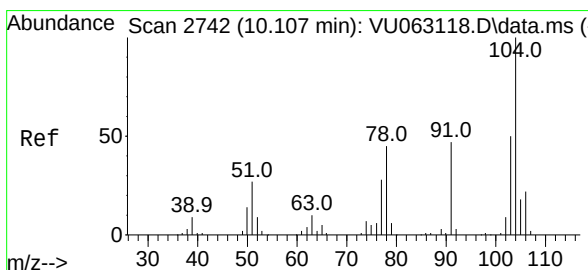
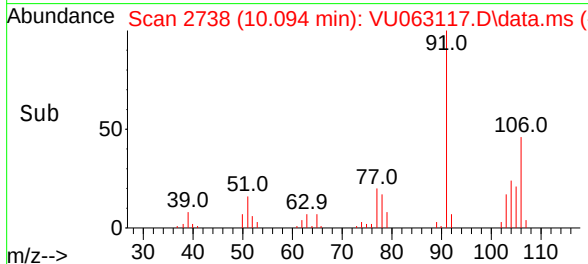
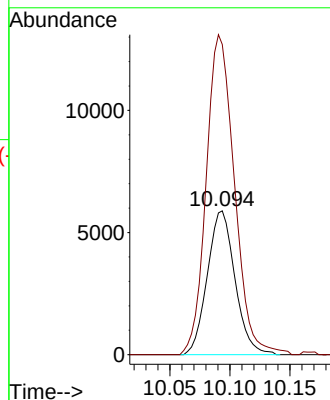
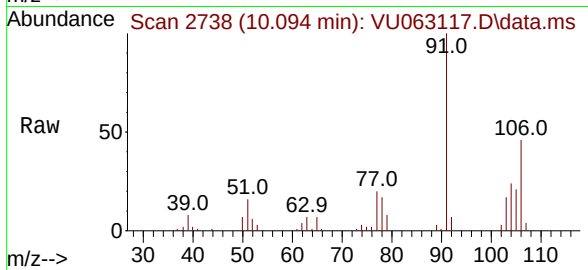




#54
o-Xylene
Concen: 0.894 ug/L
RT: 10.094 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

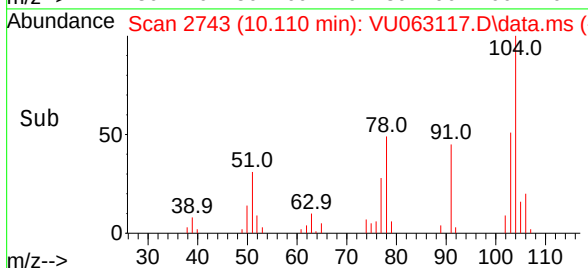
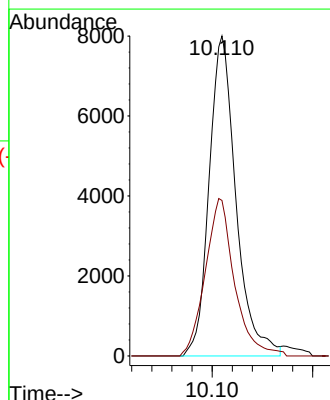
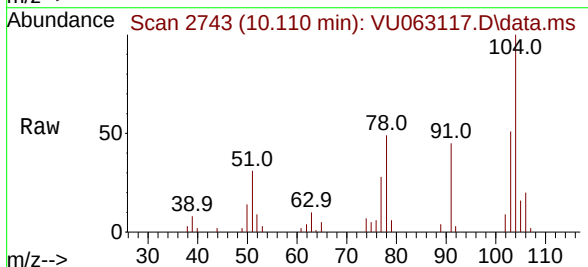
Instrument :
MSVOA_U
ClientSampleId :
VSTD001001

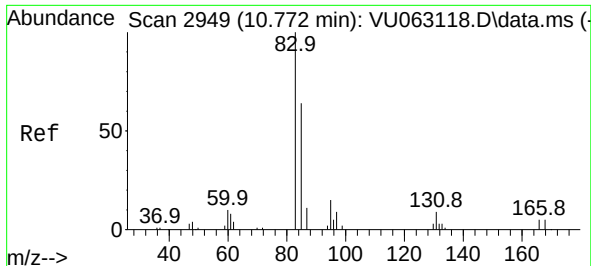
Tgt Ion:106 Resp: 9450
Ion Ratio Lower Upper
106 100
91 215.7 155.4 288.6



#55
Styrene
Concen: 0.837 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

Tgt Ion:104 Resp: 14850
Ion Ratio Lower Upper
104 100
78 48.6 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 0.996 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD001001

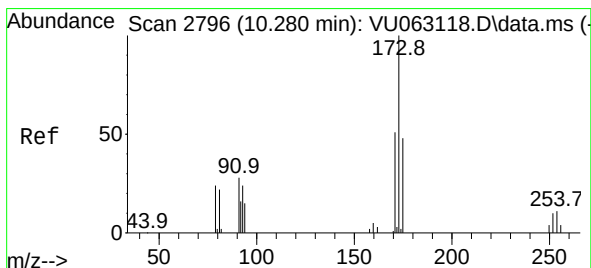
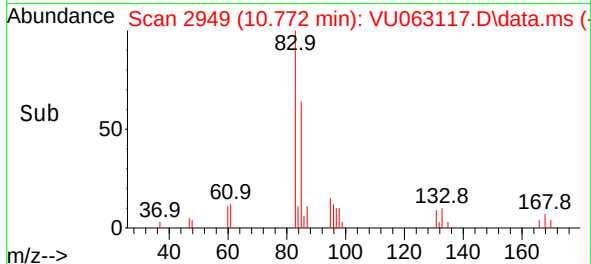
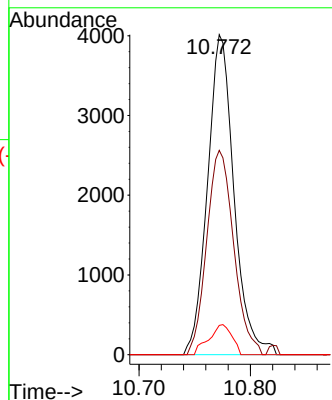
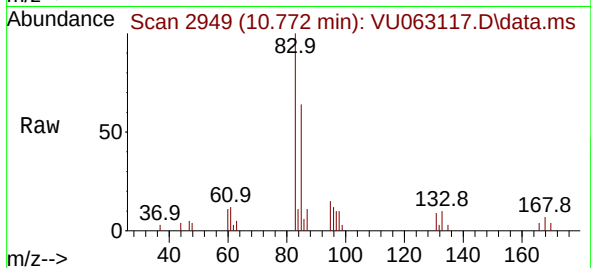
Tgt Ion: 83 Resp: 6630

Ion Ratio Lower Upper

83 100

85 63.9 45.6 84.8

131 9.1 7.4 11.0



#59

Bromoform

Concen: 0.967 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.003 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

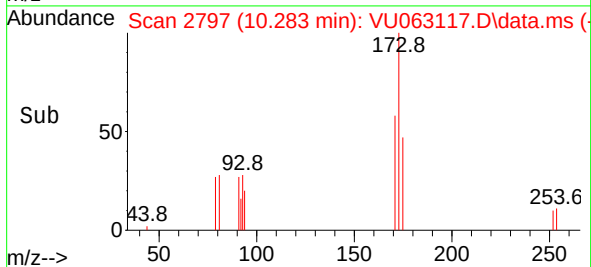
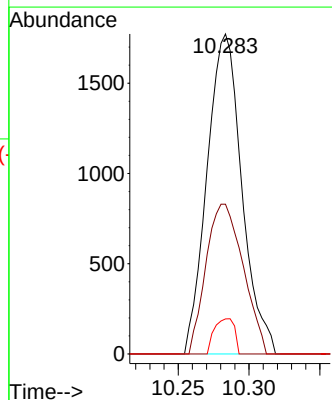
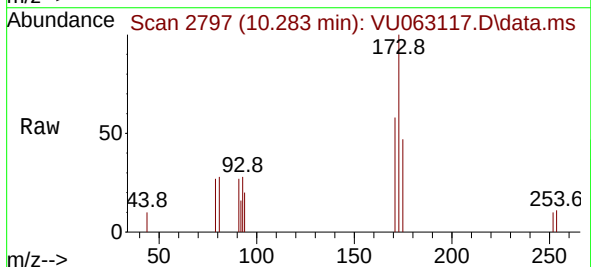
Tgt Ion:173 Resp: 3033

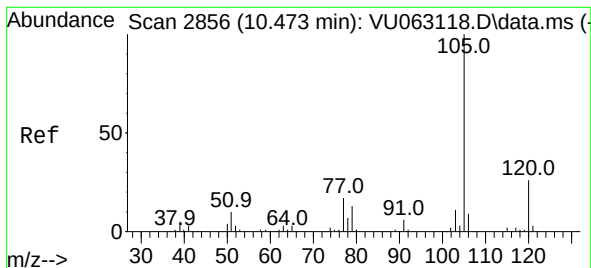
Ion Ratio Lower Upper

173 100

175 49.8 37.7 56.5

254 6.4 7.9 11.9#





#60

Isopropylbenzene

Concen: 0.952 ug/L

RT: 10.476 min Scan# 2856

Delta R.T. 0.003 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD001001

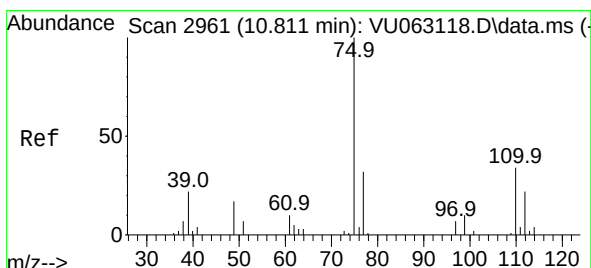
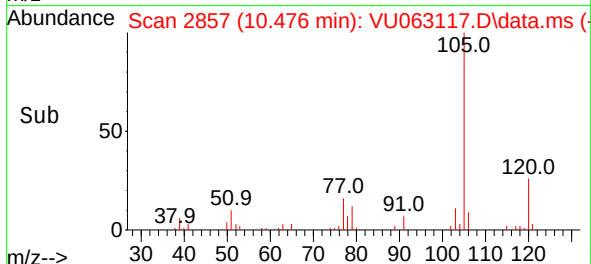
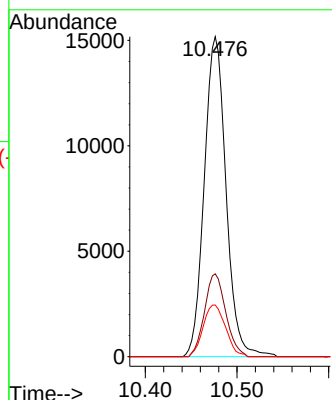
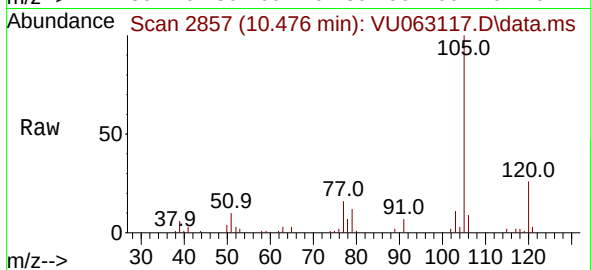
Tgt Ion:105 Resp: 25036

Ion Ratio Lower Upper

105 100

120 25.2 20.8 31.2

77 16.7 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 1.145 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.003 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

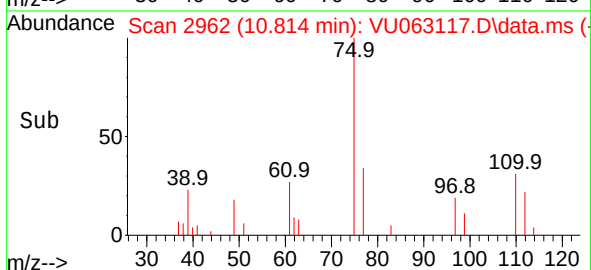
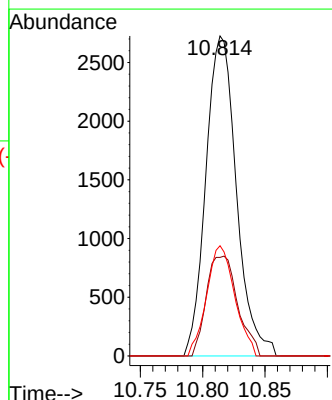
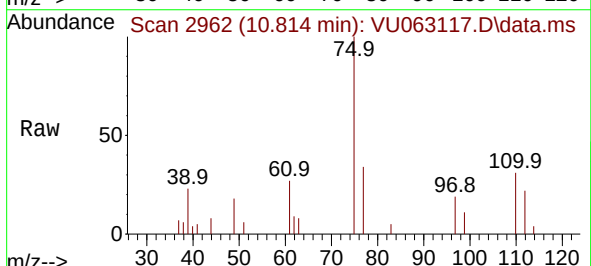
Tgt Ion: 75 Resp: 4656

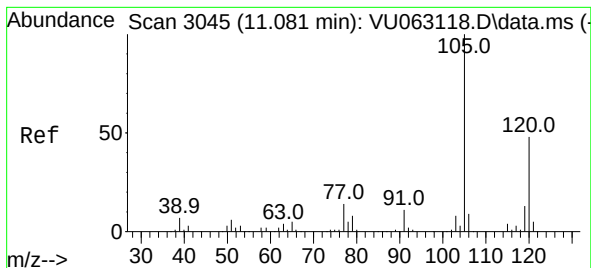
Ion Ratio Lower Upper

75 100

110 32.0 27.4 41.0

77 31.7 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 0.911 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

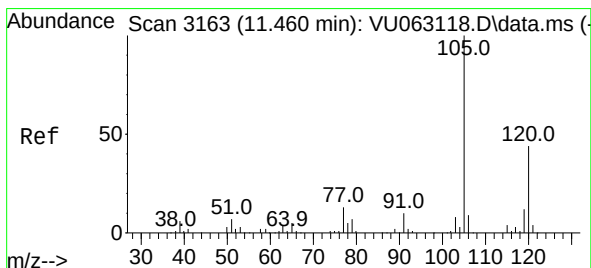
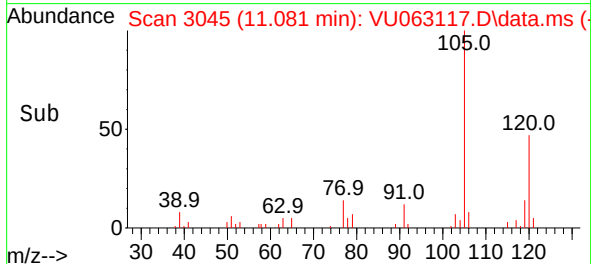
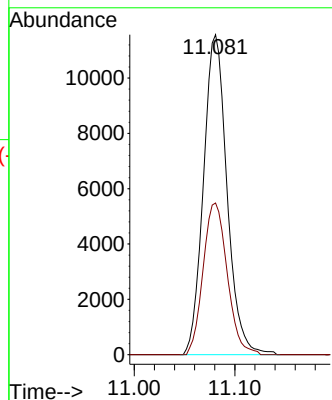
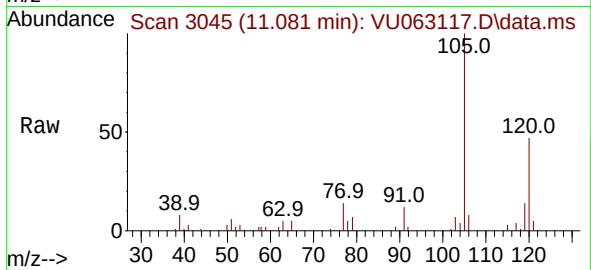
VSTD001001

Tgt Ion:105 Resp: 18834

Ion Ratio Lower Upper

105 100

120 48.5 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 0.903 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU063117.D

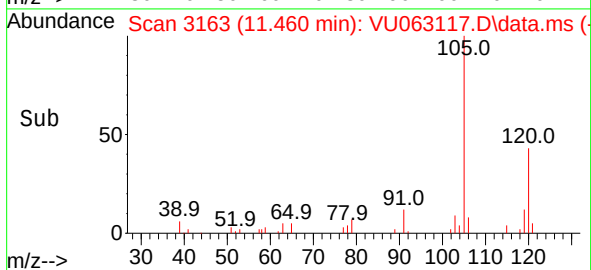
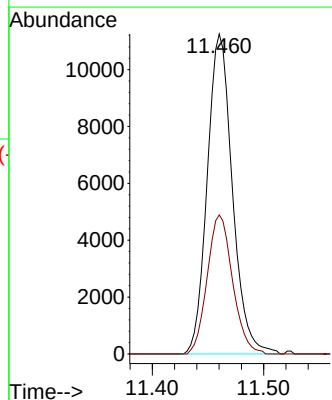
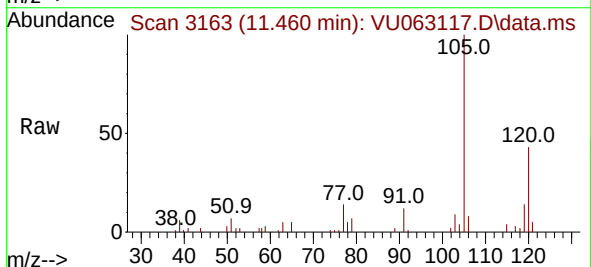
Acq: 04 Feb 2025 13:03

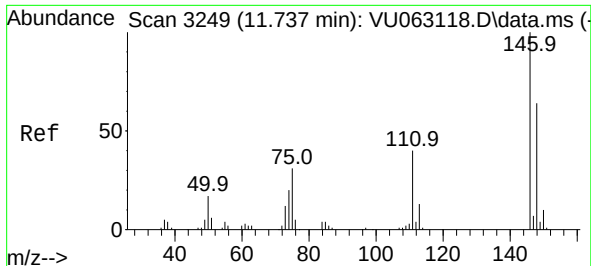
Tgt Ion:105 Resp: 17643

Ion Ratio Lower Upper

105 100

120 43.8 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 0.977 ug/L

RT: 11.740 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD001001

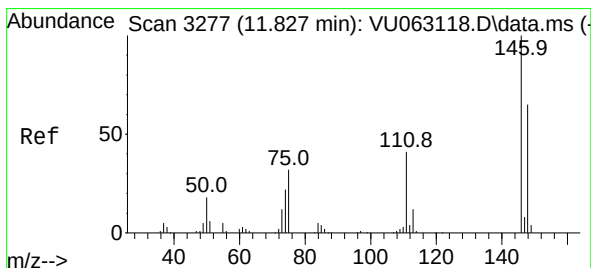
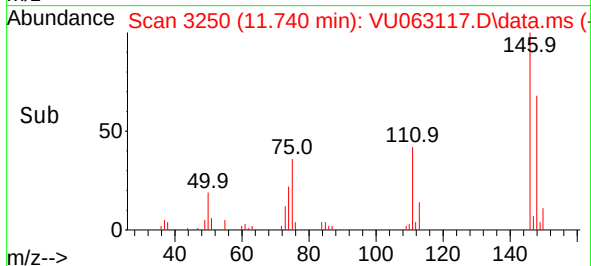
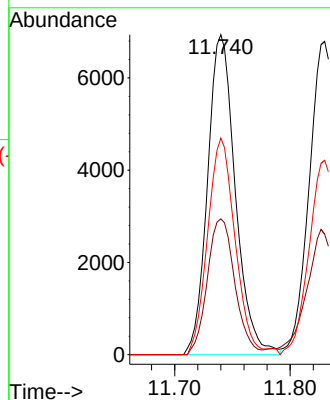
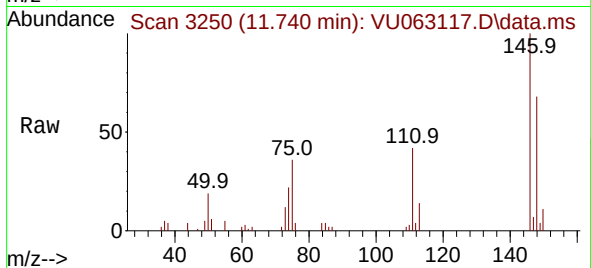
Tgt Ion:146 Resp: 11598

Ion Ratio Lower Upper

146 100

111 42.5 27.9 51.7

148 67.6 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 1.020 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

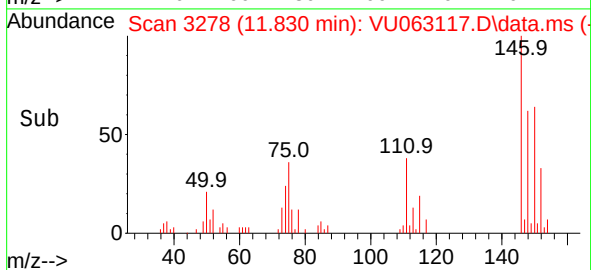
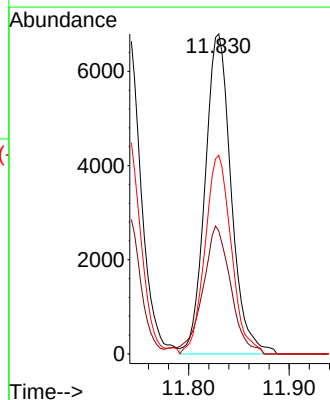
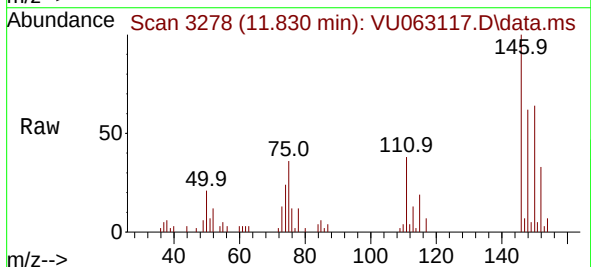
Tgt Ion:146 Resp: 12268

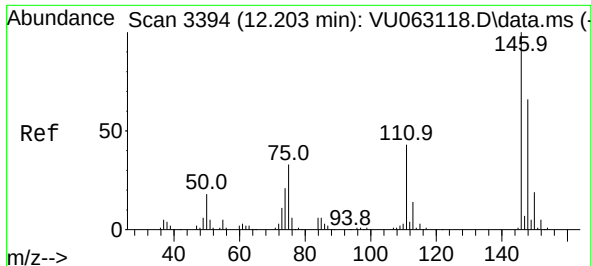
Ion Ratio Lower Upper

146 100

111 38.5 28.5 52.9

148 62.1 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 0.970 ug/L

RT: 12.206 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD001001

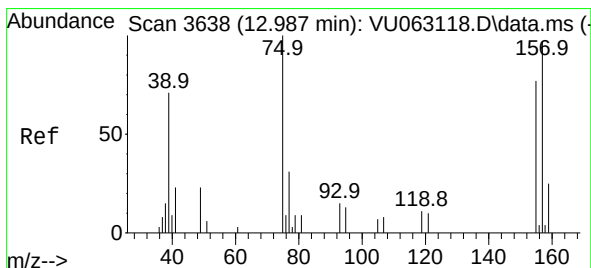
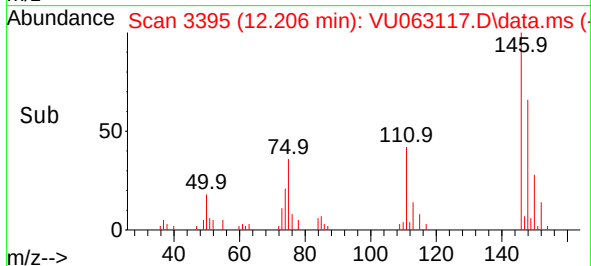
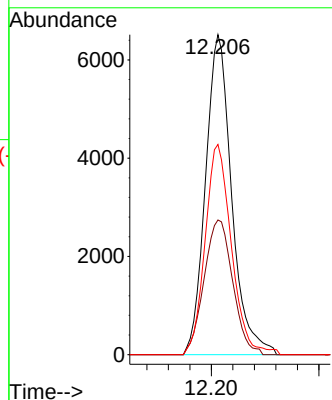
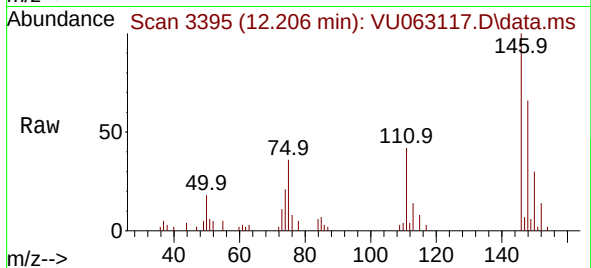
Tgt Ion:146 Resp: 10991

Ion Ratio Lower Upper

146 100

111 42.1 34.1 51.1

148 65.7 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 1.278 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.006 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

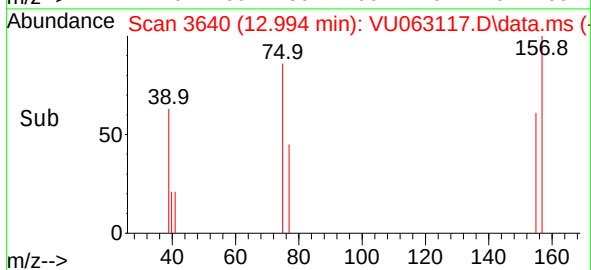
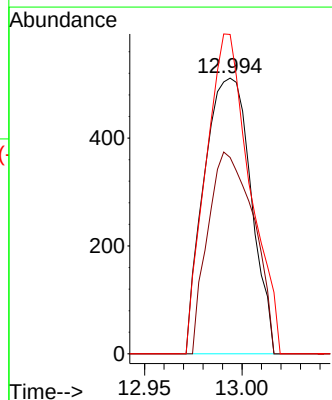
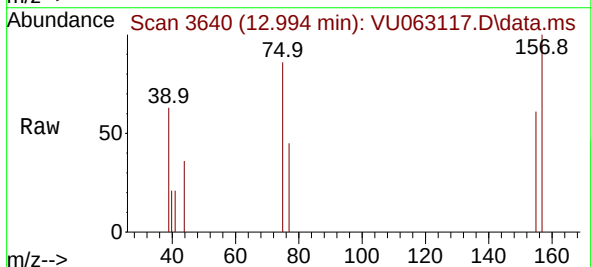
Tgt Ion: 75 Resp: 855

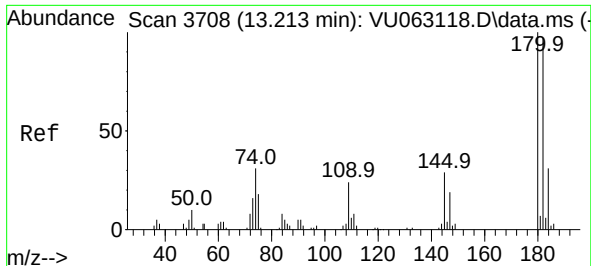
Ion Ratio Lower Upper

75 100

155 71.2 61.6 92.4

157 115.9 77.4 116.0





#69

1,3,5-Trichlorobenzene

Concen: 0.998 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.003 min

Lab File: VU063117.D

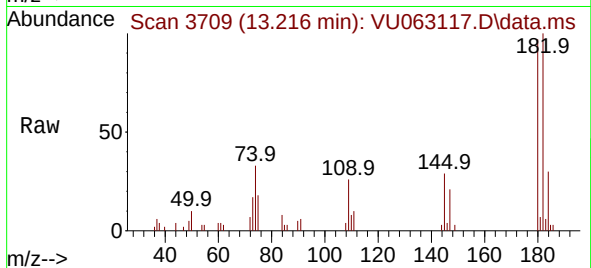
Acq: 04 Feb 2025 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD001001



Tgt Ion:180 Resp: 7869

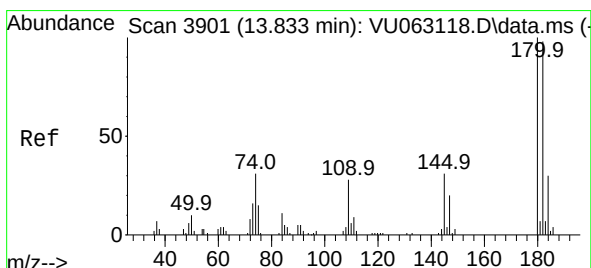
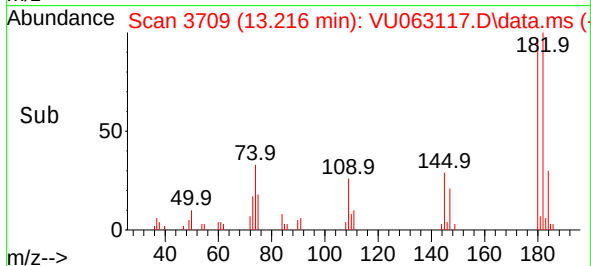
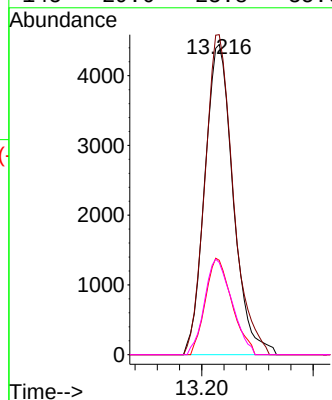
Ion Ratio Lower Upper

180 100

182 102.4 76.7 115.1

184 29.1 23.8 35.8

145 29.6 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 1.073 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU063117.D

Acq: 04 Feb 2025 13:03

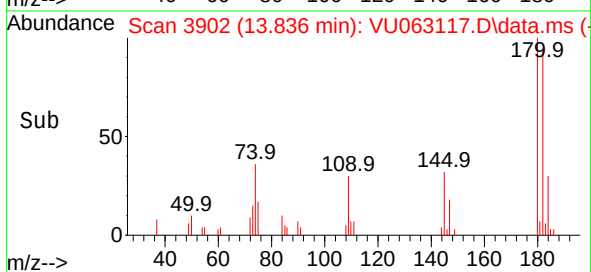
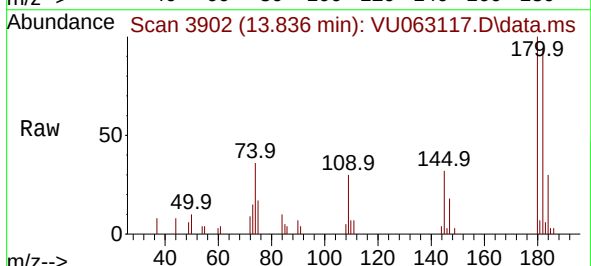
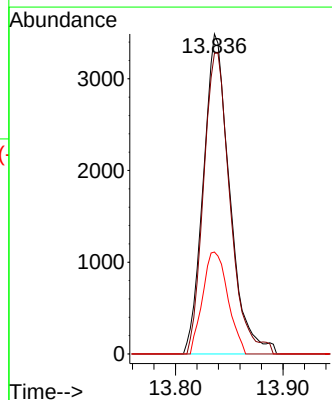
Tgt Ion:180 Resp: 5939

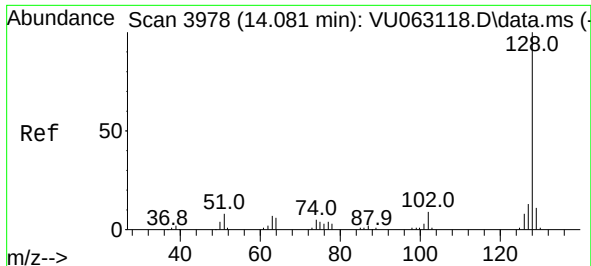
Ion Ratio Lower Upper

180 100

182 94.4 76.1 114.1

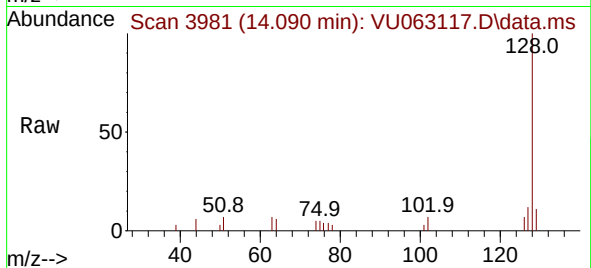
145 30.4 24.3 36.5



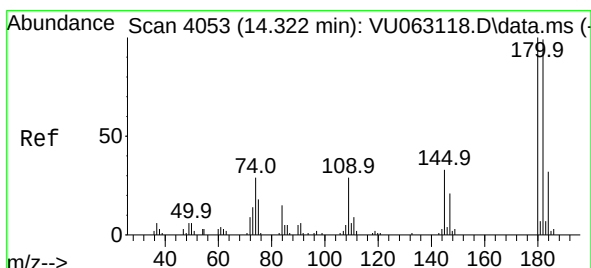
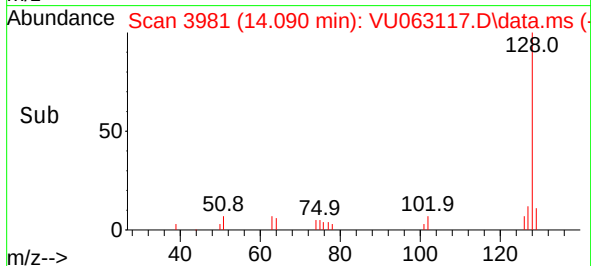
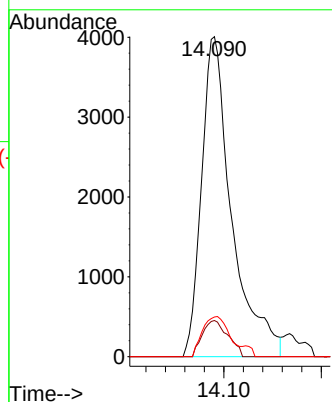


#71
Naphthalene
Concen: 1.043 ug/L
RT: 14.090 min Scan# 3978
Delta R.T. 0.010 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD001001



Tgt Ion:128 Resp: 8612
Ion Ratio Lower Upper
128 100
129 9.6 8.0 12.0
127 12.1 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 1.036 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU063117.D
Acq: 04 Feb 2025 13:03

Tgt Ion:180 Resp: 5130
Ion Ratio Lower Upper
180 100
182 102.8 78.5 117.7
145 33.0 26.1 39.1

