

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091725\
 Data File : VU063598.D
 Acq On : 17 Sep 2025 09:55
 Operator : MD/SY
 Sample : VSTD00122
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001022

Quant Time: Sep 18 05:58:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 18 05:57:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	154173	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	144190	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	69398	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	8445	1.065	ug/L	0.00
7) Chloroethane-d5	1.901	69	7838	1.029	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.551	65	4069	1.076	ug/L	0.00
20) 2-Butanone-d5	4.637	46	21053	9.230	ug/L	0.03
24) Chloroform-d	5.052	84	19283	1.018	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	10225	1.049	ug/L	0.00
32) Benzene-d6	5.718	84	35185	1.016	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	12093	1.079	ug/L	0.00
41) Toluene-d8	7.891	98	31791	1.023	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	2945	0.960	ug/L	0.00
46) 2-Hexanone-d5	8.627	63	15210	9.411	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	8956	0.991	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	11407	1.058	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	11793	0.961	ug/L	99
3) Chloromethane	1.515	50	13039	0.960	ug/L	95
5) Vinyl chloride	1.596	62	13581	0.934	ug/L	97
6) Bromomethane	1.840	94	8039	0.936	ug/L	95
8) Chloroethane	1.920	64	8876	0.989	ug/L	100
9) Trichlorofluoromethane	2.126	101	18329	0.964	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	10224	0.950	ug/L	97
12) 1,1-Dichloroethene	2.567	96	9386	0.941	ug/L	82
13) Acetone	2.618	43	18563	9.266	ug/L	99
14) Carbon disulfide	2.779	76	23147	0.879	ug/L	96
15) Methyl Acetate	2.952	43	4205	0.927	ug/L #	89
16) Methylene chloride	3.030	84	11122	0.953	ug/L	89
17) Methyl tert-butyl Ether	3.354	73	22615	0.920	ug/L	98
18) trans-1,2-Dichloroethene	3.345	96	9512	0.923	ug/L	98
19) 1,1-Dichloroethane	3.856	63	19425	0.925	ug/L	96
21) 2-Butanone	4.711	43	22290	8.211	ug/L	94
22) cis-1,2-Dichloroethene	4.657	96	10789	0.921	ug/L	98
23) Bromochloromethane	4.962	128	4888	0.942	ug/L	96
25) Chloroform	5.075	83	20112	0.935	ug/L	90
27) 1,2-Dichloroethane	5.785	62	13727	0.963	ug/L #	92
29) 1,1,1-Trichloroethane	5.306	97	14668	0.888	ug/L	95
30) Cyclohexane	5.374	56	17882	0.917	ug/L	98
31) Carbon tetrachloride	5.509	117	10904	0.843	ug/L	99
33) Benzene	5.763	78	42492	0.943	ug/L	100
34) Trichloroethene	6.534	95	11509	0.931	ug/L	96
35) Methylcyclohexane	6.753	83	17481	0.927	ug/L	95
37) 1,2-Dichloropropane	6.782	63	11524	0.944	ug/L #	93
38) Bromodichloromethane	7.097	83	11215	0.859	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	11177	0.807	ug/L	96
40) 4-Methyl-2-pentanone	7.782	43	61323	8.777	ug/L	99
42) Toluene	7.962	91	45061	0.932	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	8159	0.802	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091725\
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 ALS Vial : 3 Sample Multiplier: 1

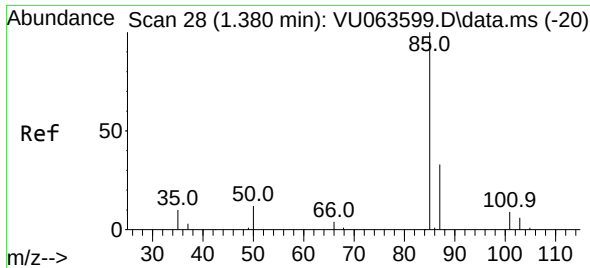
Instrument :
 MSVOA_U
 ClientSampleId :
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Quant Time: Sep 18 05:58:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 18 05:57:15 2025
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	8.390	97	7682	0.919	ug/L	94
47) Tetrachloroethene	8.544	164	9273	0.983	ug/L	97
48) 2-Hexanone	8.679	43	38939	8.198	ug/L	98
49) Dibromochloromethane	8.798	129	6472	0.847	ug/L	99
50) 1,2-Dibromoethane	8.917	107	6923	0.929	ug/L	100
51) Chlorobenzene	9.438	112	29261	0.935	ug/L	99
52) Ethylbenzene	9.563	91	48472	0.911	ug/L	98
53) m,p-Xylene	9.689	106	17091	0.856	ug/L	97
54) o-Xylene	10.094	106	17265	0.894	ug/L	99
55) Styrene	10.110	104	27154	0.857	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.772	83	9275	0.929	ug/L	96
59) Bromoform	10.280	173	3064	0.815	ug/L #	97
60) Isopropylbenzene	10.476	105	46323	0.928	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	6814	0.991	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	36068	0.888	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	34496	0.890	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	21258	0.950	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	20199	0.894	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	19997	0.958	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	777	0.732	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	15063	0.900	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	10974	0.849	ug/L	99
71) Naphthalene	14.090	128	15101	0.781	ug/L #	91
72) 1,2,3-Trichlorobenzene	14.325	180	9549	0.861	ug/L	96

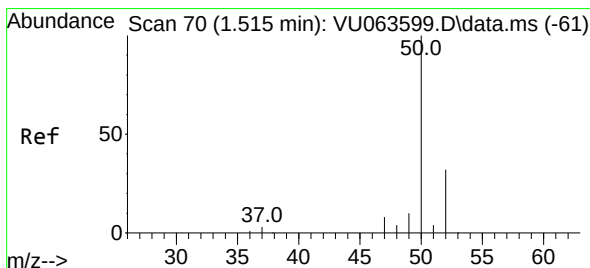
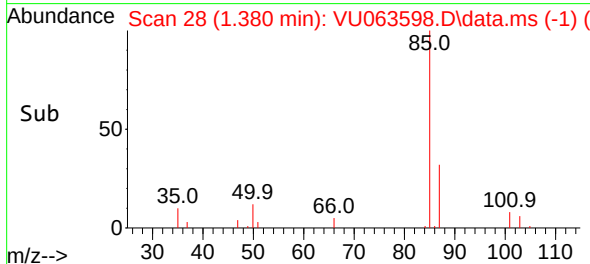
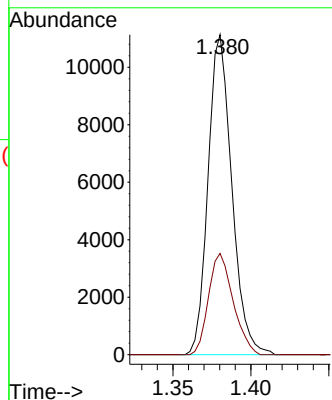
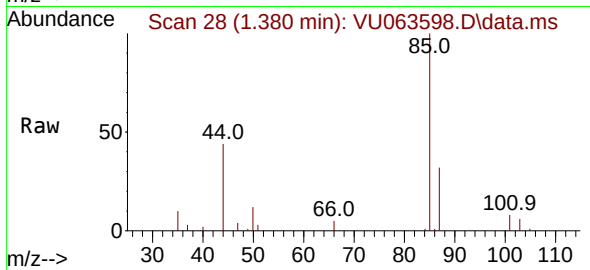
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 0.961 ug/L
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

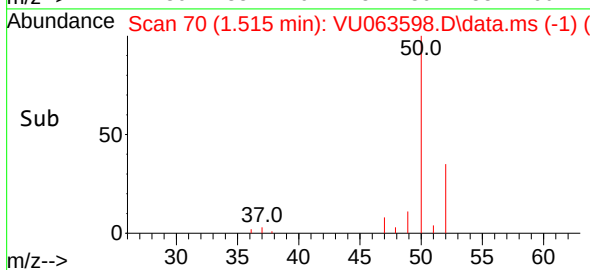
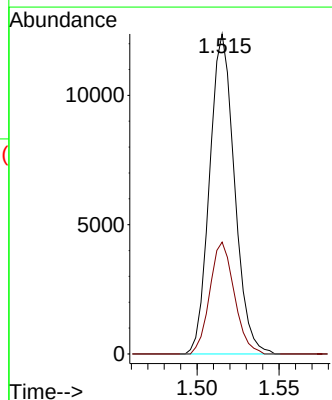
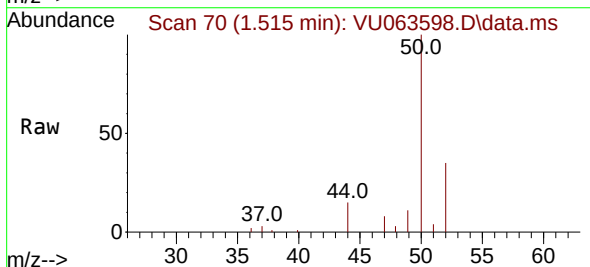
Instrument :
MSVOA_U
ClientSampleId :
VSTD001022

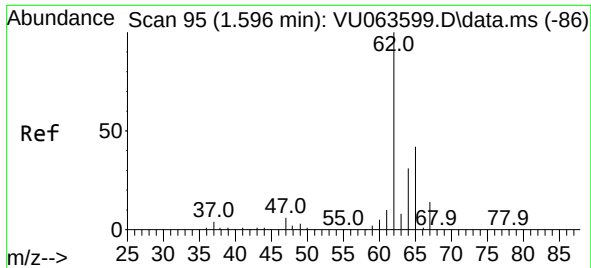
Tgt Ion: 85 Resp: 11793
Ion Ratio Lower Upper
85 100
87 32.8 25.8 38.8



#3
Chloromethane
Concen: 0.960 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

Tgt Ion: 50 Resp: 13039
Ion Ratio Lower Upper
50 100
52 35.0 22.6 42.0

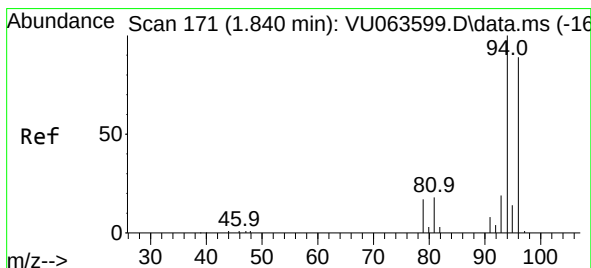
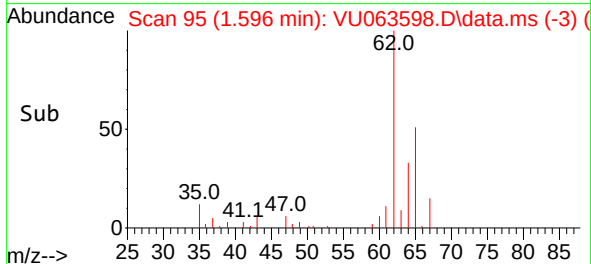
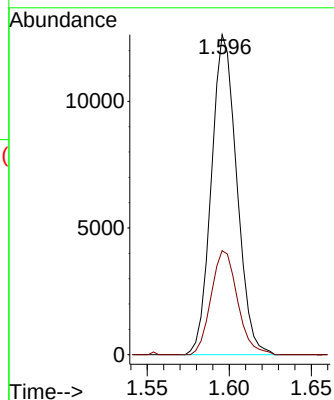
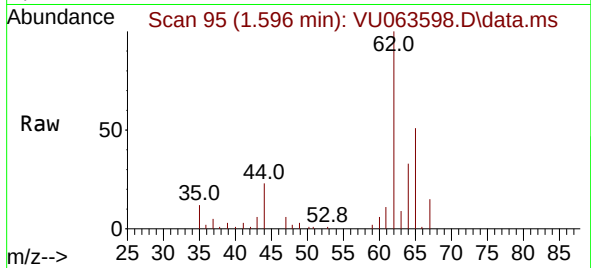




#5
 Vinyl chloride
 Concen: 0.934 ug/L
 RT: 1.596 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU063598.D
 Acq: 17 Sep 2025 09:55

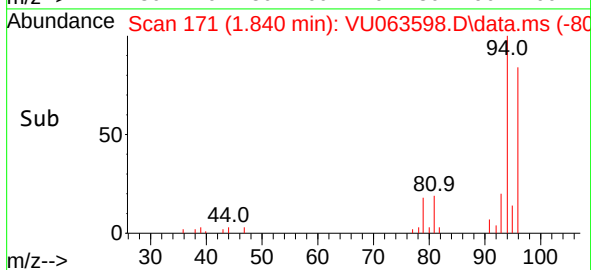
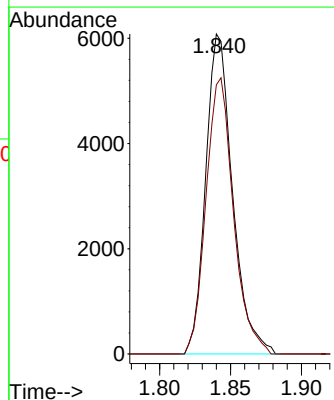
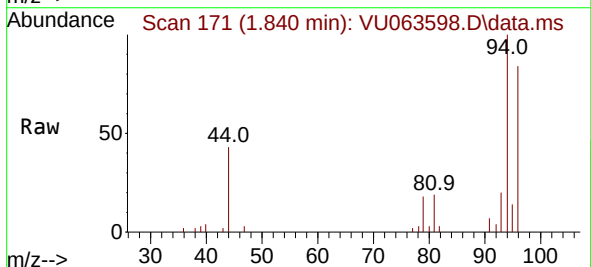
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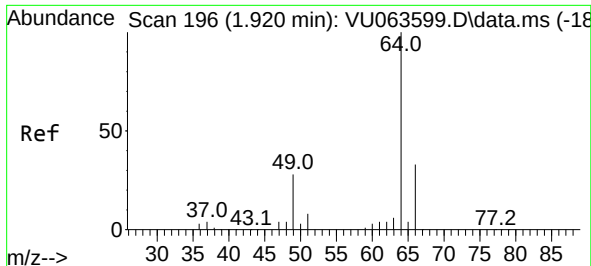
Tgt Ion: 62 Resp: 13581
 Ion Ratio Lower Upper
 62 100
 64 32.5 21.5 39.9



#6
 Bromomethane
 Concen: 0.936 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. -0.006 min
 Lab File: VU063598.D
 Acq: 17 Sep 2025 09:55

Tgt Ion: 94 Resp: 8039
 Ion Ratio Lower Upper
 94 100
 96 84.1 62.4 116.0

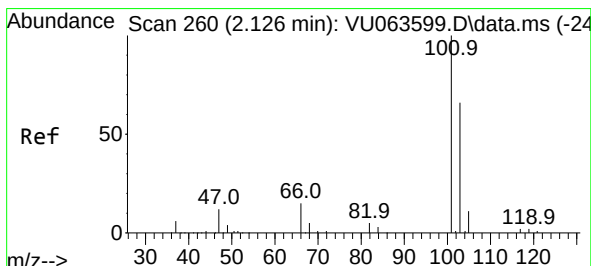
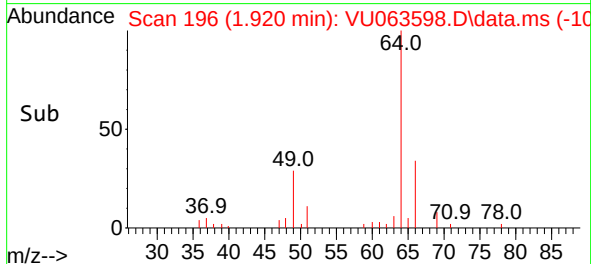
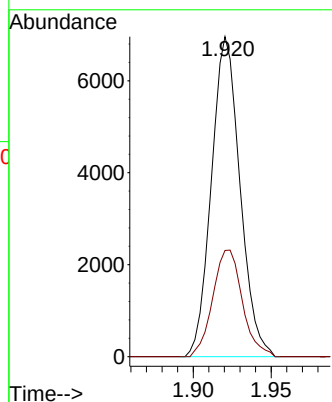
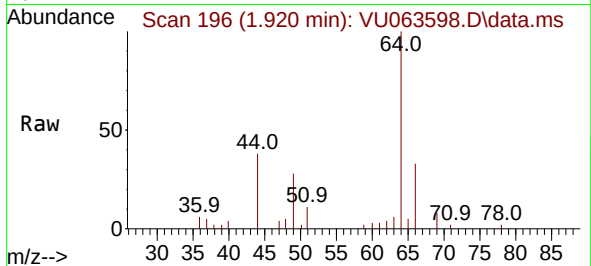




#8
Chloroethane
Concen: 0.989 ug/L
RT: 1.920 min Scan# 196
Delta R.T. -0.003 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

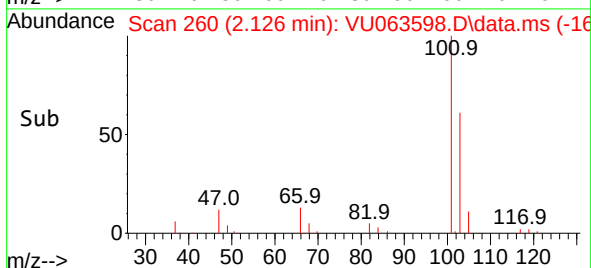
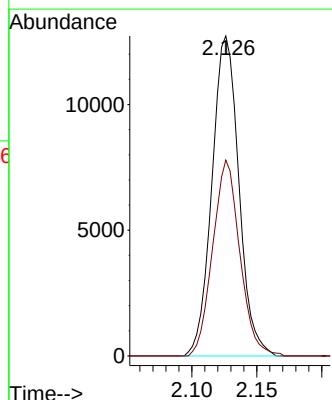
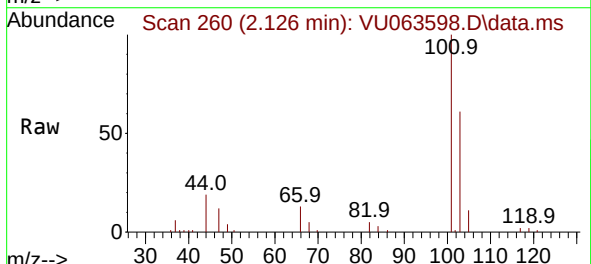
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ClientSampleId :
VSTD001022

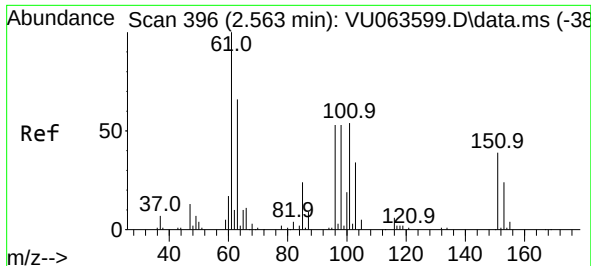
Tgt Ion: 64 Resp: 8876
Ion Ratio Lower Upper
64 100
66 33.2 23.0 42.8



#9
Trichlorofluoromethane
Concen: 0.964 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.003 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

Tgt Ion: 101 Resp: 18329
Ion Ratio Lower Upper
101 100
103 61.8 52.8 79.2

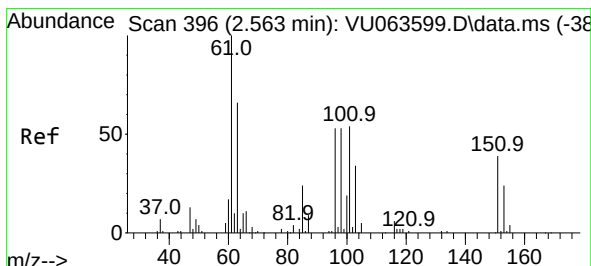
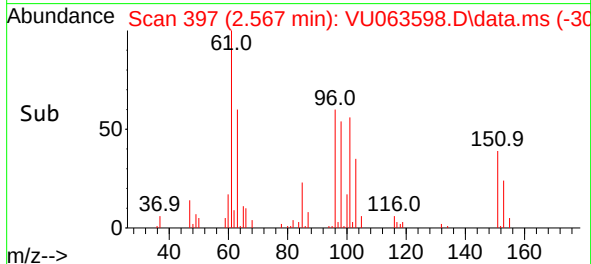
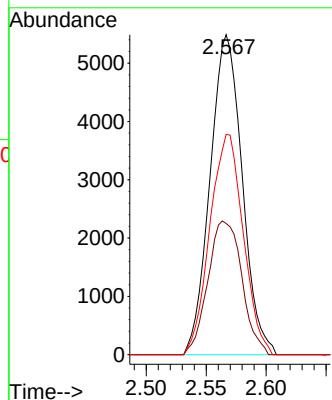
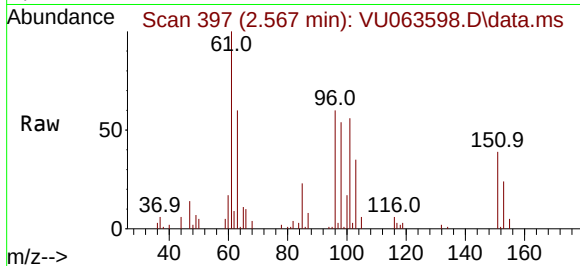




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.950 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.003 min
 Lab File: VU063598.D
 Acq: 17 Sep 2025 09:55

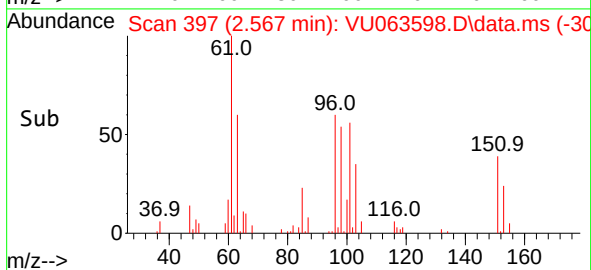
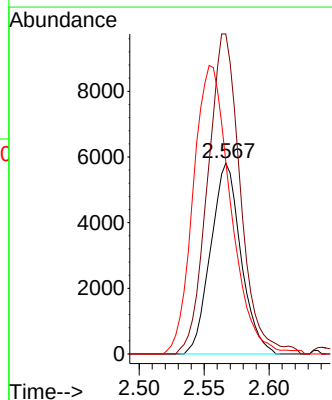
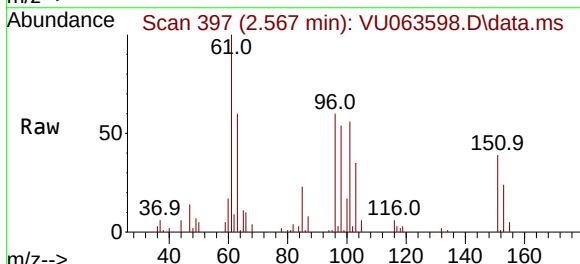
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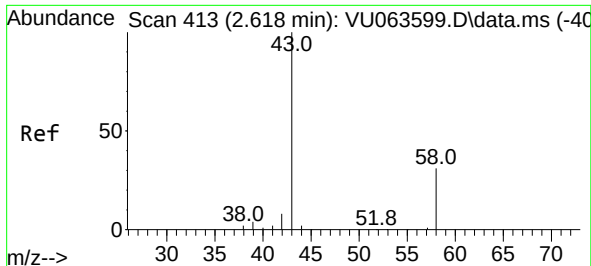
Tgt Ion:	101	Resp:	10224
Ion	Ratio	Lower	Upper
101	100		
85	44.2	36.4	54.6
151	71.4	59.2	88.8



#12
 1,1-Dichloroethene
 Concen: 0.941 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.003 min
 Lab File: VU063598.D
 Acq: 17 Sep 2025 09:55

Tgt Ion:	96	Resp:	9386
Ion	Ratio	Lower	Upper
96	100		
61	167.8	132.4	245.8
63	101.0	89.0	165.4





#13

Acetone

Concen: 9.266 ug/L

RT: 2.618 min Scan# 413

Delta R.T. 0.003 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

Instrument :

MSVOA_U

ClientSampleId :

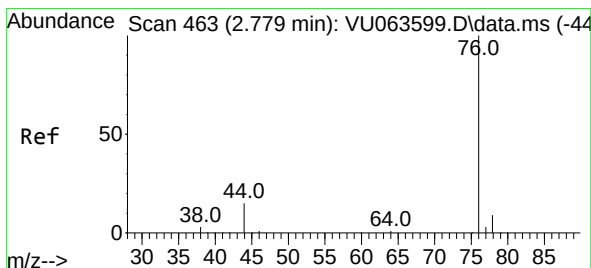
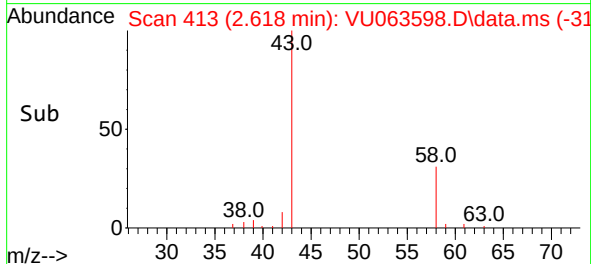
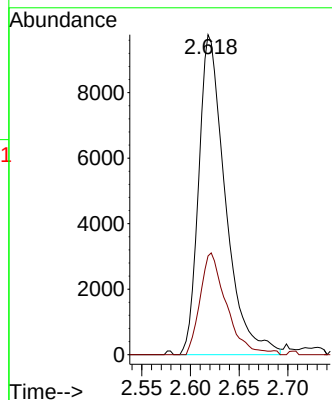
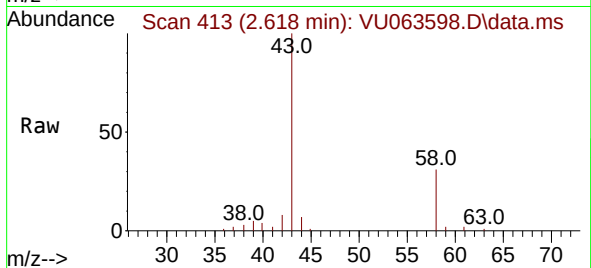
VSTD001022

Tgt Ion: 43 Resp: 18563

Ion Ratio Lower Upper

43 100

58 31.2 0.0 63.6



#14

Carbon disulfide

Concen: 0.879 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU063598.D

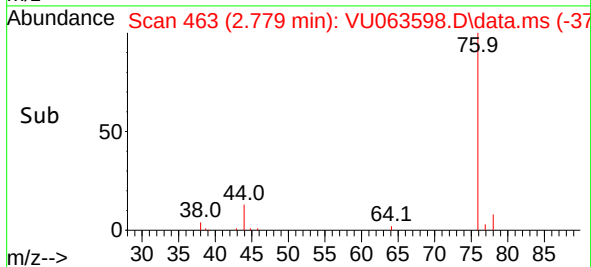
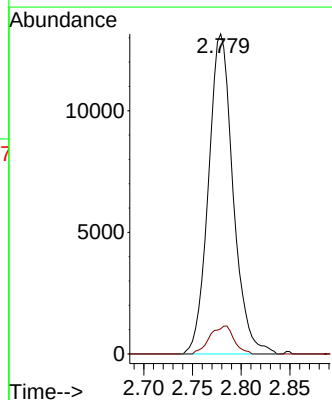
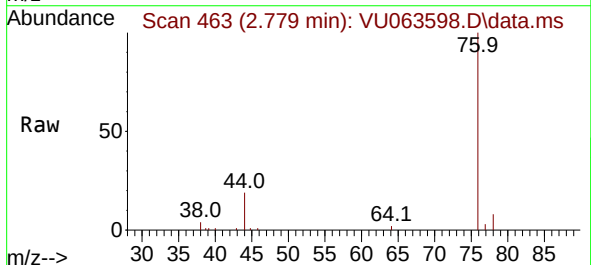
Acq: 17 Sep 2025 09:55

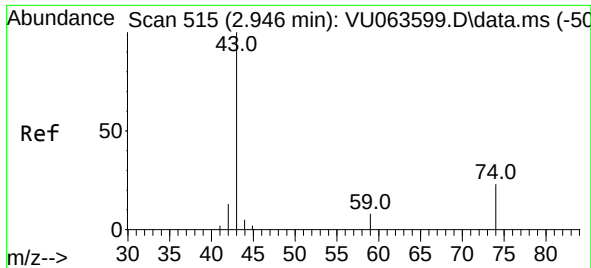
Tgt Ion: 76 Resp: 23147

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.0

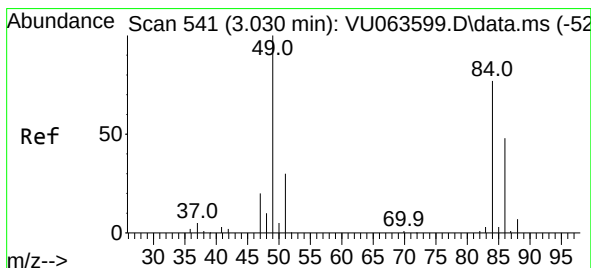
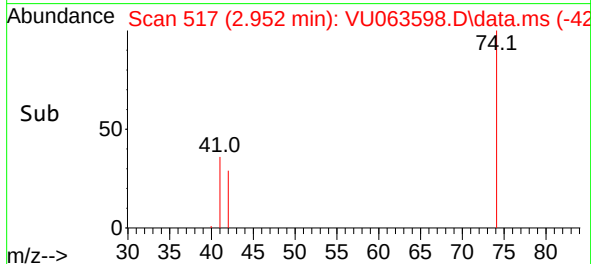
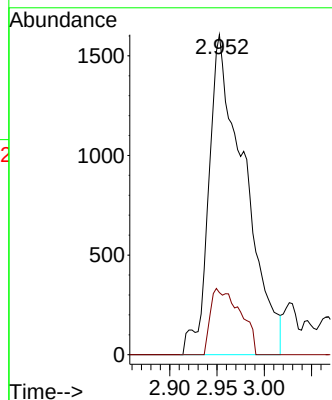
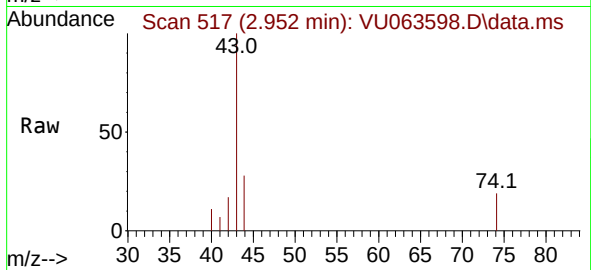




#15
Methyl Acetate
Concen: 0.927 ug/L
RT: 2.952 min Scan# 515
Delta R.T. 0.010 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

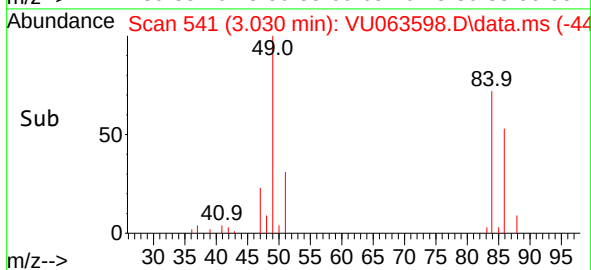
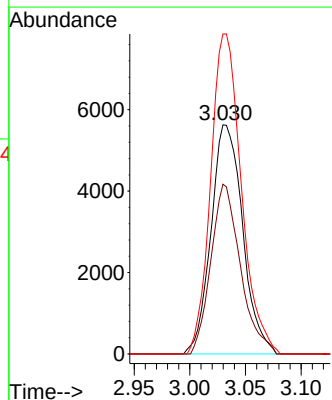
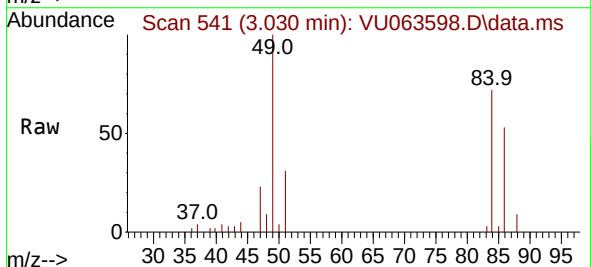
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MSVOA_U
ClientSampleId :
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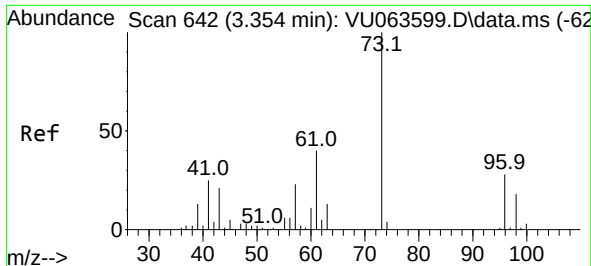
Tgt Ion: 43 Resp: 4205
Ion Ratio Lower Upper
43 100
74 17.3 18.2 27.2#



#16
Methylene chloride
Concen: 0.953 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.003 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

Tgt Ion: 84 Resp: 11122
Ion Ratio Lower Upper
84 100
86 74.0 43.1 80.1
49 139.6 90.6 168.2





#17

Methyl tert-butyl Ether

Concen: 0.920 ug/L

RT: 3.354 min Scan# 64

Delta R.T. 0.003 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD001022

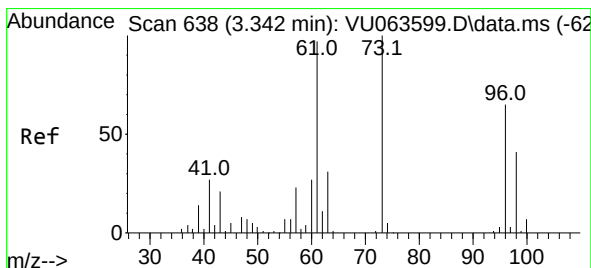
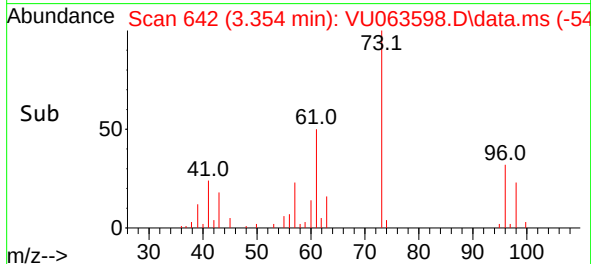
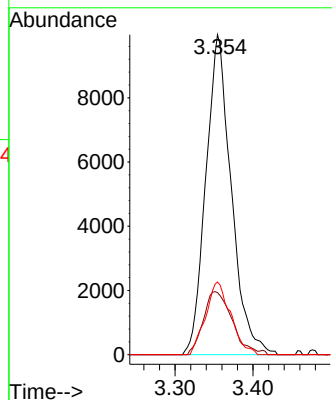
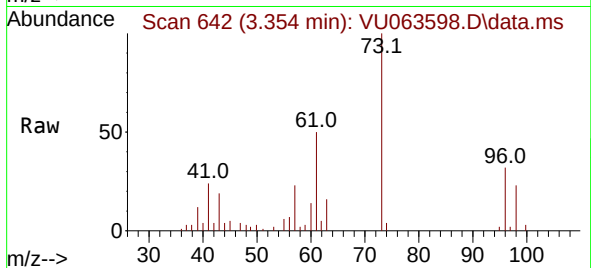
Tgt Ion: 73 Resp: 22615

Ion Ratio Lower Upper

73 100

43 22.4 17.0 25.4

57 22.4 18.2 27.2



#18

trans-1,2-Dichloroethene

Concen: 0.923 ug/L

RT: 3.345 min Scan# 639

Delta R.T. 0.003 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

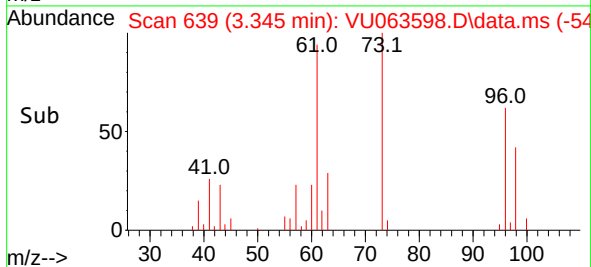
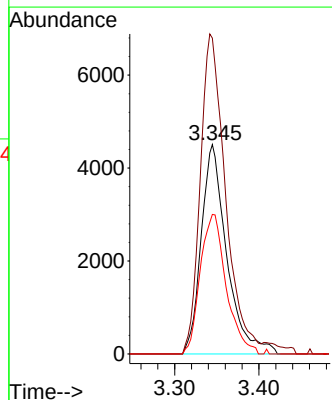
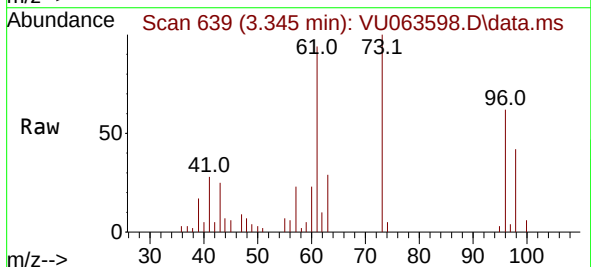
Tgt Ion: 96 Resp: 9512

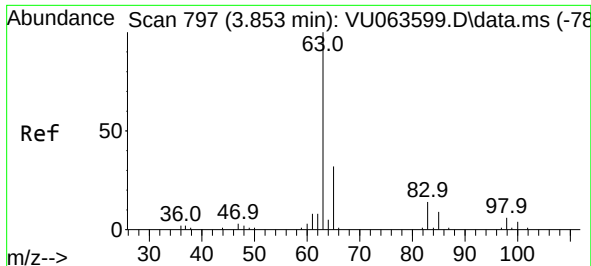
Ion Ratio Lower Upper

96 100

61 150.8 104.9 194.7

98 66.6 44.3 82.3





#19

1,1-Dichloroethane

Concen: 0.925 ug/L

RT: 3.856 min Scan# 79

Delta R.T. 0.000 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD001022

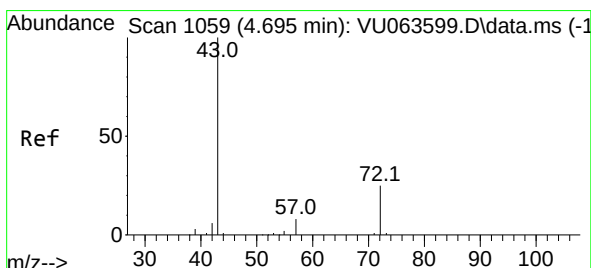
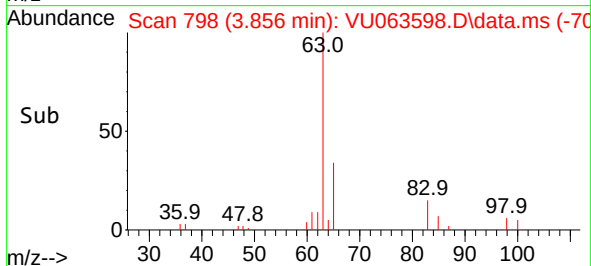
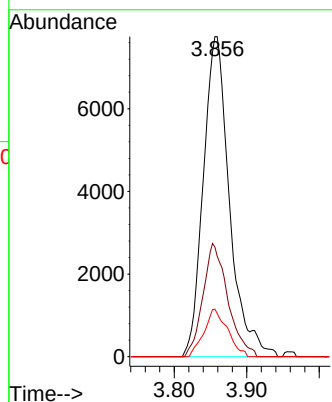
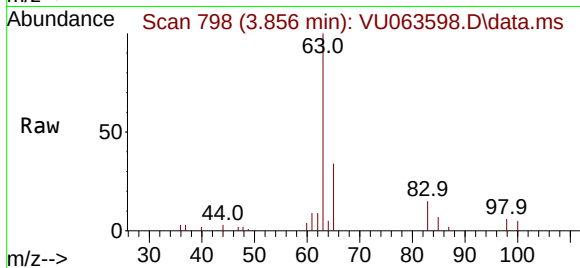
Tgt Ion: 63 Resp: 19425

Ion Ratio Lower Upper

63 100

65 34.2 22.1 41.1

83 14.9 9.7 17.9



#21

2-Butanone

Concen: 8.211 ug/L

RT: 4.711 min Scan# 1064

Delta R.T. 0.023 min

Lab File: VU063598.D

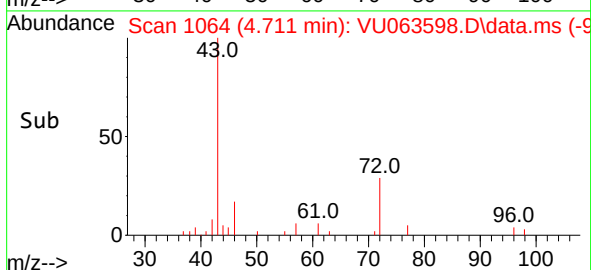
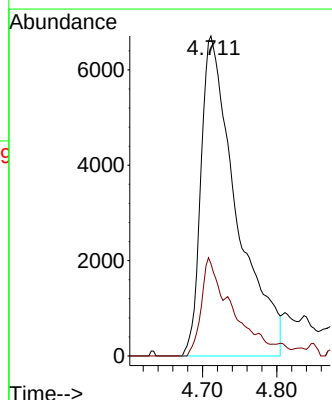
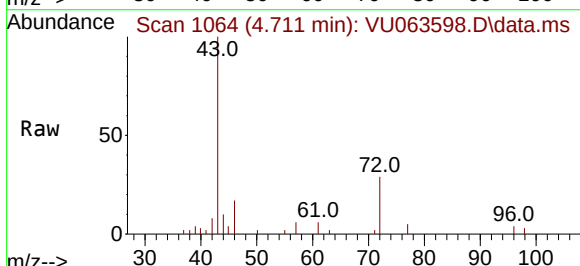
Acq: 17 Sep 2025 09:55

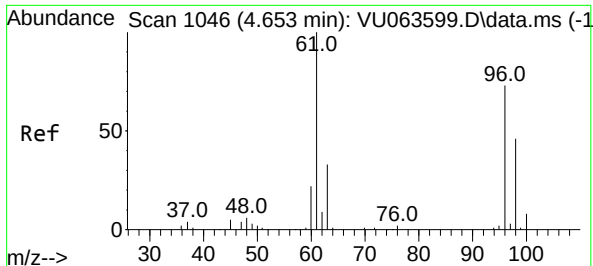
Tgt Ion: 43 Resp: 22290

Ion Ratio Lower Upper

43 100

72 26.8 11.9 35.7

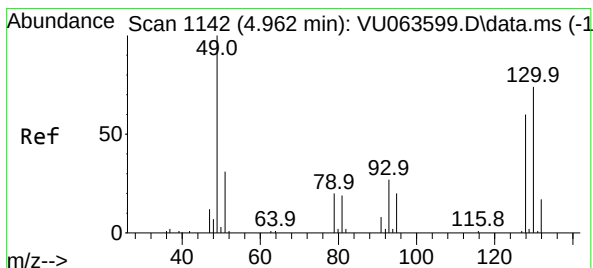
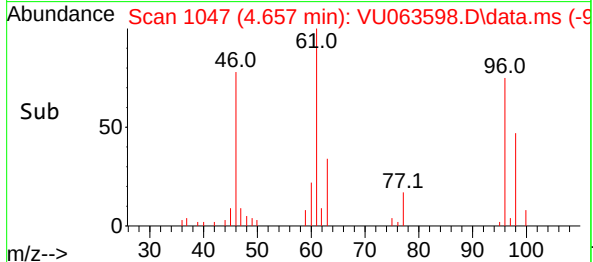
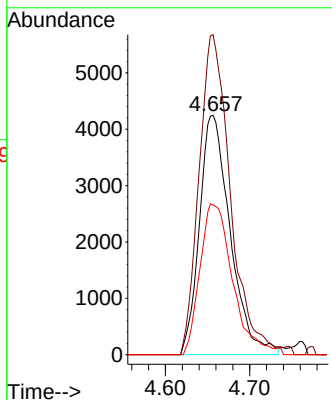
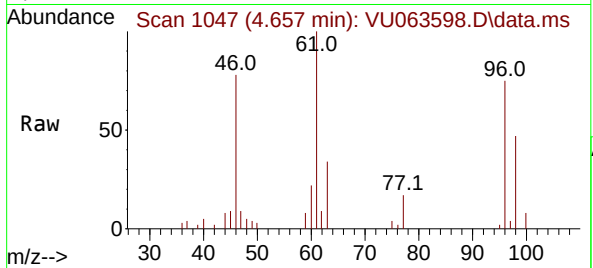




#22
 cis-1,2-Dichloroethene
 Concen: 0.921 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU063598.D
 Acq: 17 Sep 2025 09:55

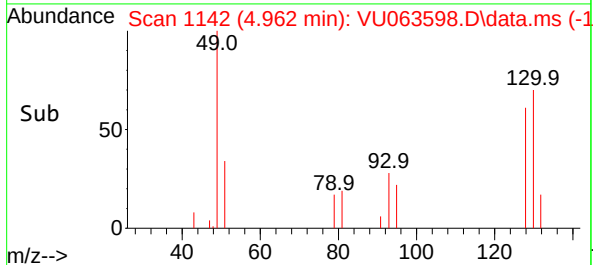
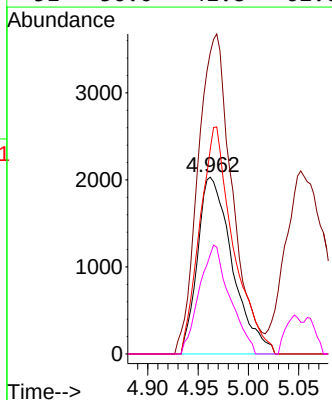
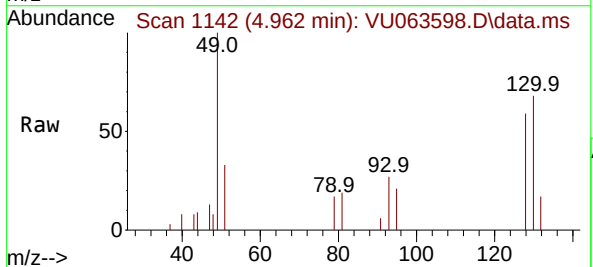
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001022

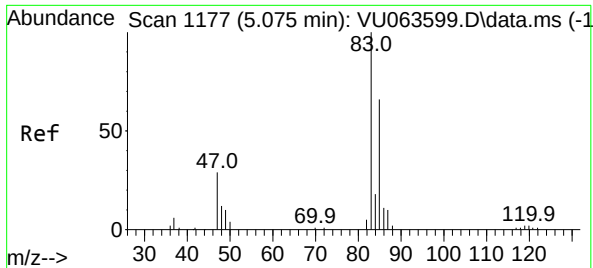
Tgt Ion: 96 Resp: 10789
 Ion Ratio Lower Upper
 96 100
 61 133.7 95.8 177.8
 98 62.6 43.5 80.9



#23
 Bromochloromethane
 Concen: 0.942 ug/L
 RT: 4.962 min Scan# 1142
 Delta R.T. -0.003 min
 Lab File: VU063598.D
 Acq: 17 Sep 2025 09:55

Tgt Ion: 128 Resp: 4888
 Ion Ratio Lower Upper
 128 100
 49 170.2 118.4 219.8
 130 115.6 87.6 162.6
 51 56.0 41.8 62.6

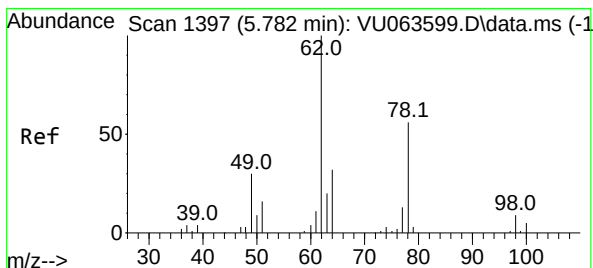
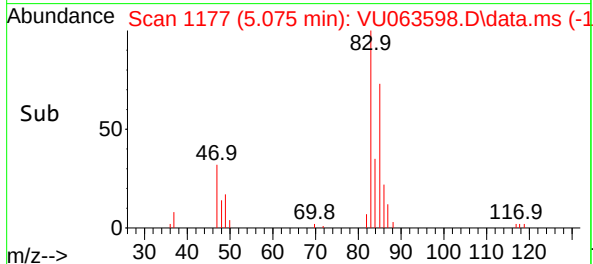
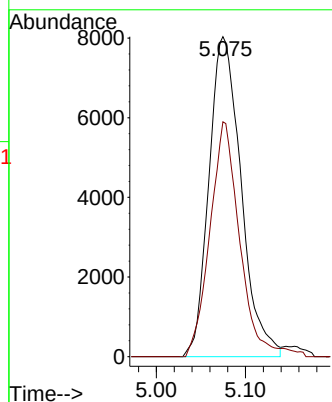
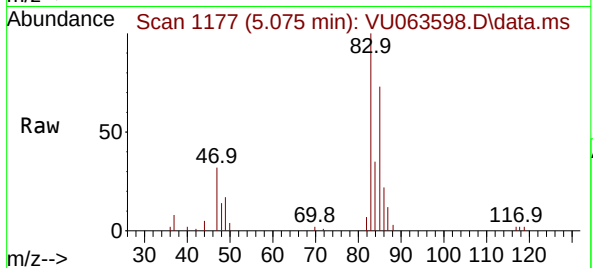




#25
Chloroform
Concen: 0.935 ug/L
RT: 5.075 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

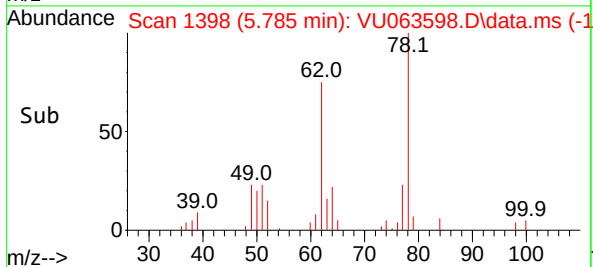
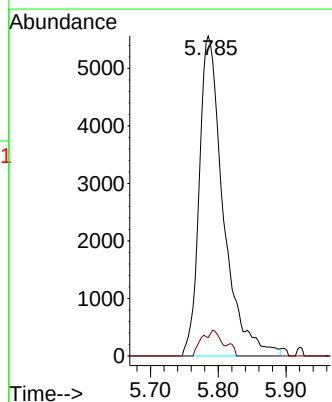
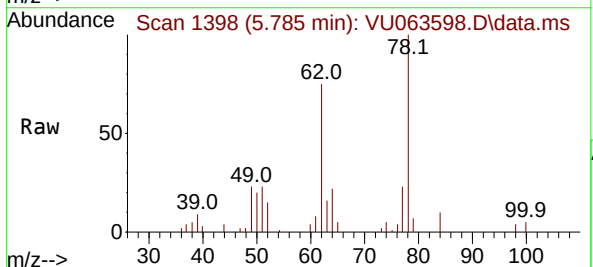
Instrument :
MSVOA_U
ClientSampleId :
VSTD001022

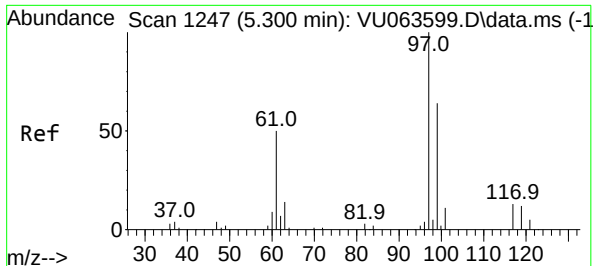
Tgt Ion: 83 Resp: 20112
Ion Ratio Lower Upper
83 100
85 73.4 46.1 85.5



#27
1,2-Dichloroethane
Concen: 0.963 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.003 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

Tgt Ion: 62 Resp: 13727
Ion Ratio Lower Upper
62 100
98 5.8 7.0 10.4#

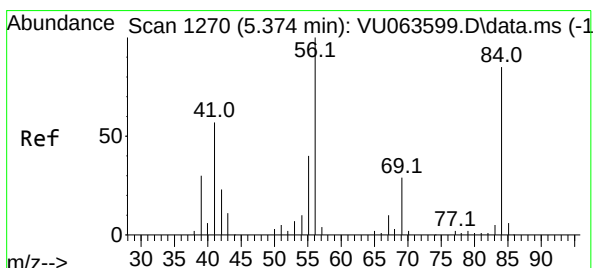
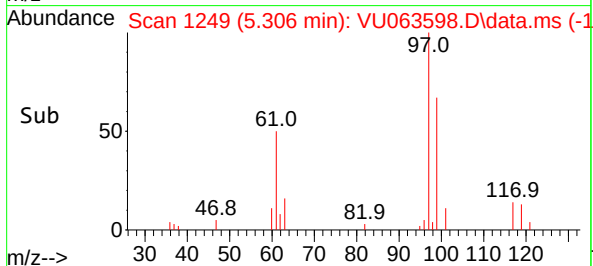
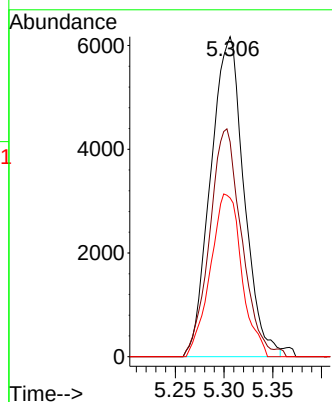
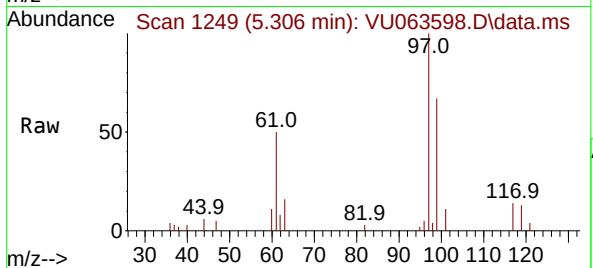




#29
1,1,1-Trichloroethane
Concen: 0.888 ug/L
RT: 5.306 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

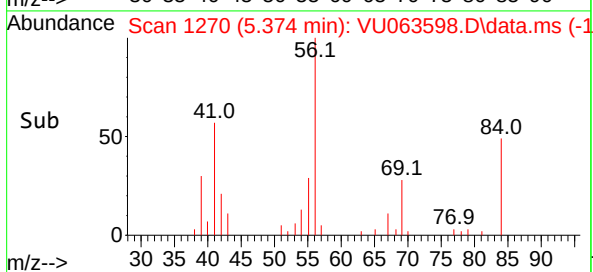
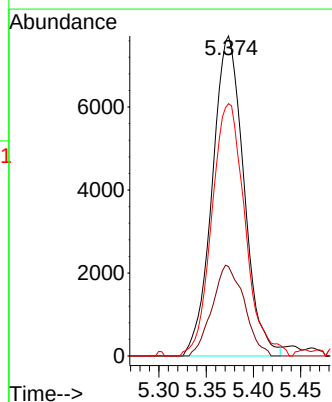
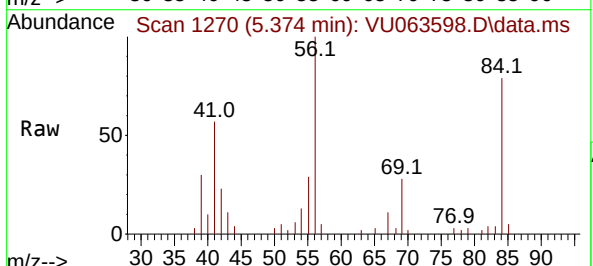
Instrument :
MSVOA_U
ClientSampleId :
VSTD001022

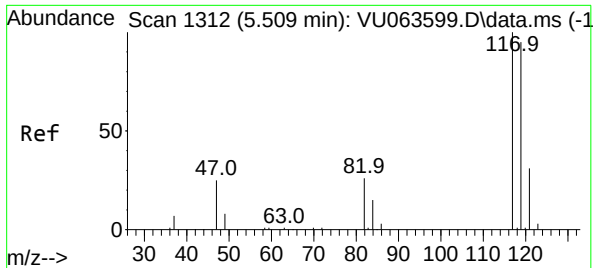
Tgt Ion:	97	Resp:	14668
Ion	Ratio	Lower	Upper
97	100		
99	68.7	51.0	76.6
61	47.9	39.9	59.9



#30
Cyclohexane
Concen: 0.917 ug/L
RT: 5.374 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

Tgt Ion:	56	Resp:	17882
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.2	34.8
84	83.0	65.0	97.4

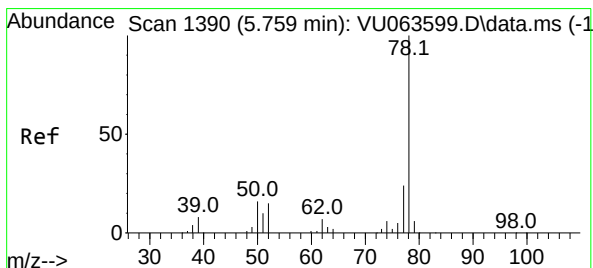
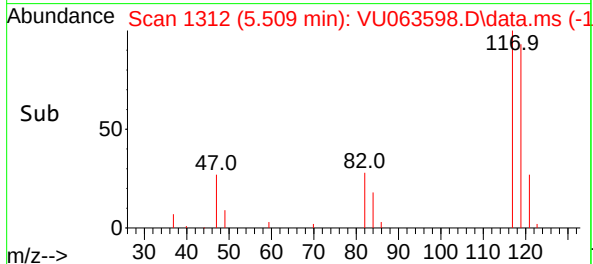
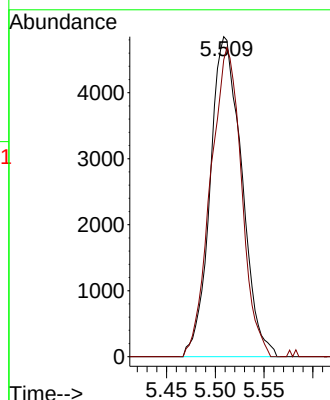
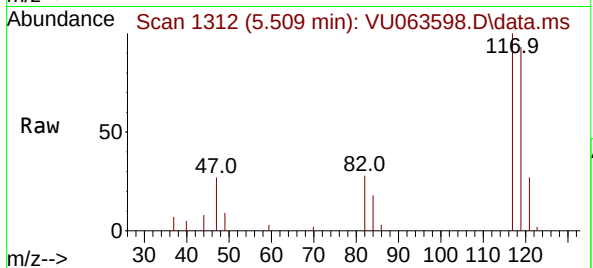




#31
Carbon tetrachloride
Concen: 0.843 ug/L
RT: 5.509 min Scan# 111
Delta R.T. -0.003 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

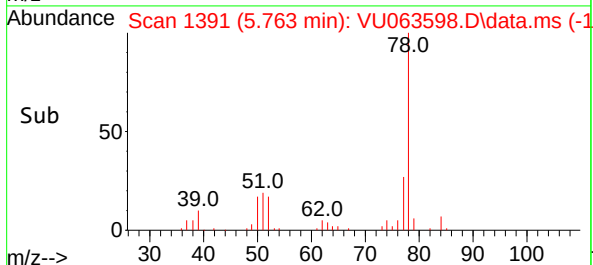
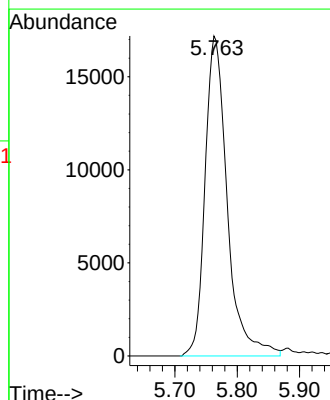
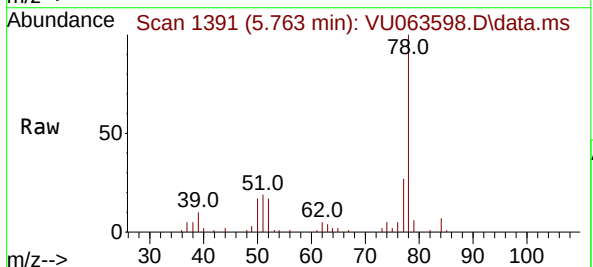
Instrument :
MSVOA_U
ClientSampleId :
VSTD001022

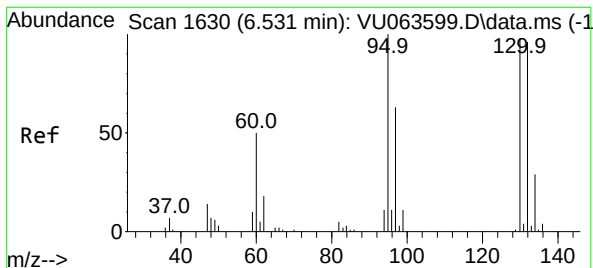
Tgt Ion:117 Resp: 10904
Ion Ratio Lower Upper
117 100
119 94.6 76.8 115.2



#33
Benzene
Concen: 0.943 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

Tgt Ion: 78 Resp: 42492





#34

Trichloroethene

Concen: 0.931 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD001022

Tgt Ion: 95 Resp: 11509

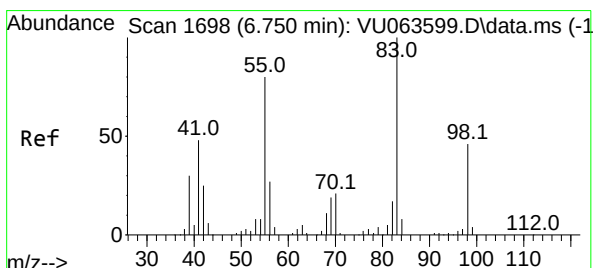
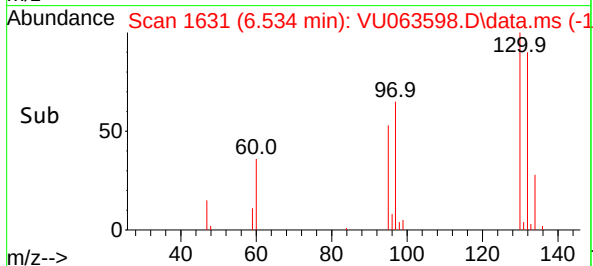
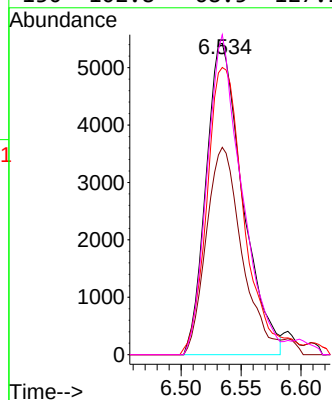
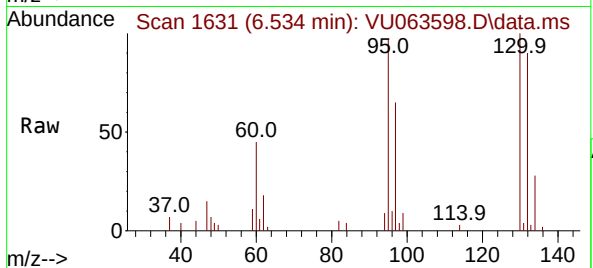
Ion Ratio Lower Upper

95 100

97 66.6 44.0 81.6

132 92.3 67.1 124.5

130 102.8 68.5 127.1



#35

Methylcyclohexane

Concen: 0.927 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

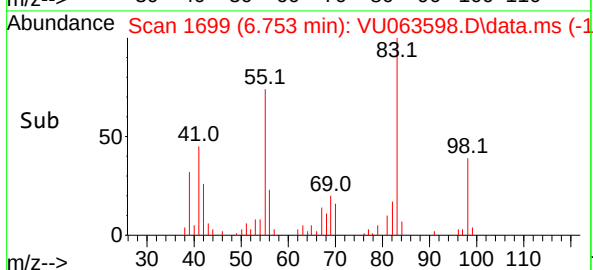
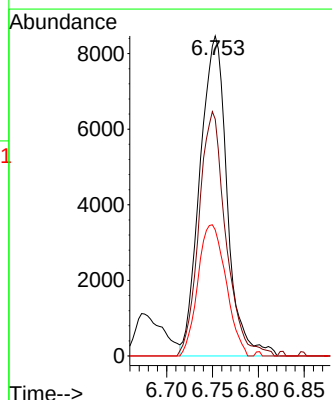
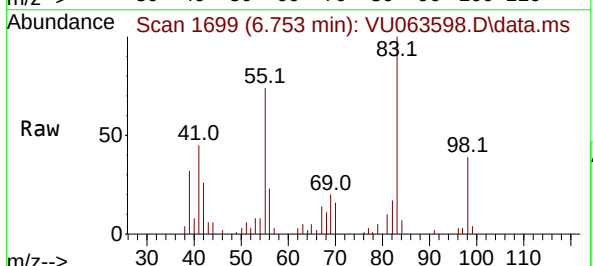
Tgt Ion: 83 Resp: 17481

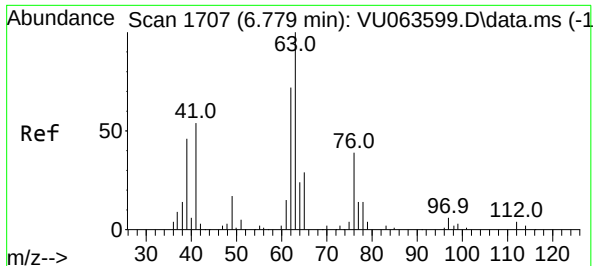
Ion Ratio Lower Upper

83 100

55 75.3 63.9 95.9

98 42.2 36.2 54.2





#37

1,2-Dichloropropane

Concen: 0.944 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

Instrument :

MSVOA_U

ClientSampleId :

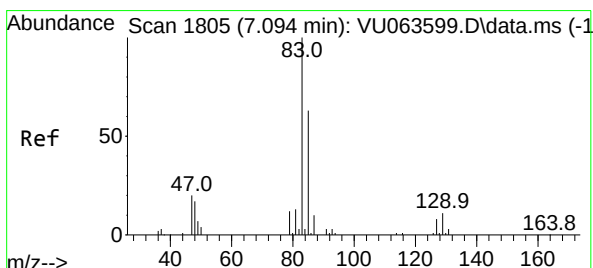
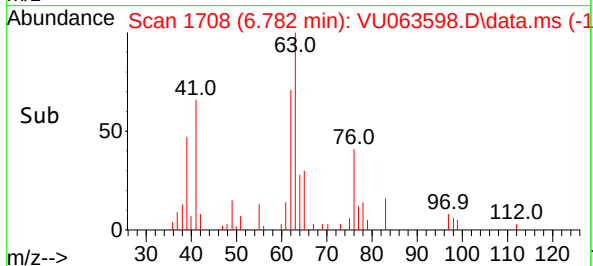
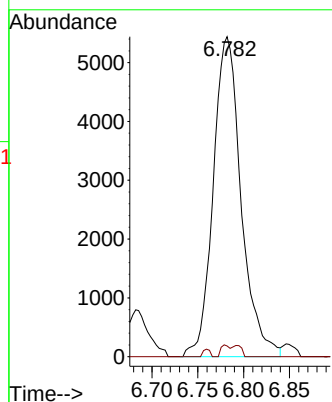
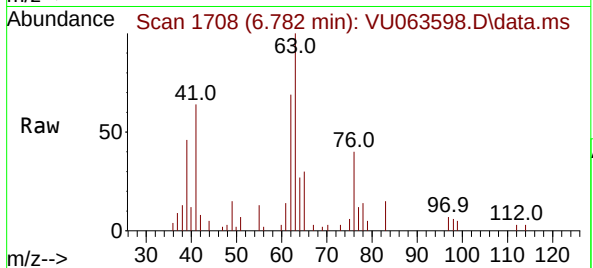
VSTD001022

Tgt Ion: 63 Resp: 11524

Ion Ratio Lower Upper

63 100

112 1.2 2.8 4.2#



#38

Bromodichloromethane

Concen: 0.859 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

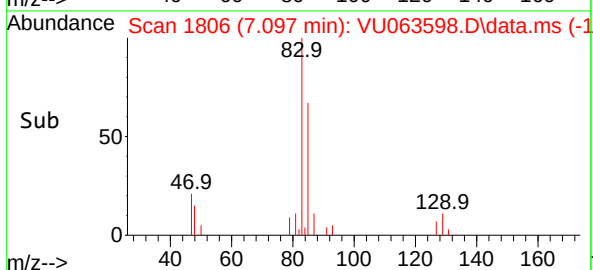
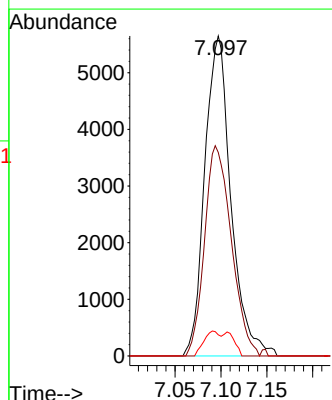
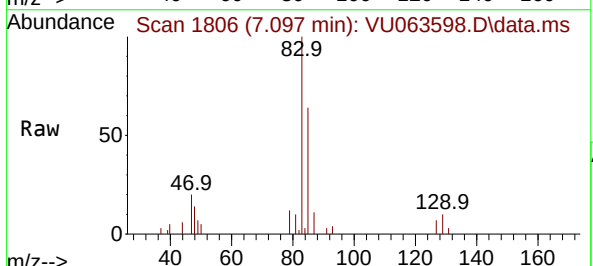
Tgt Ion: 83 Resp: 11215

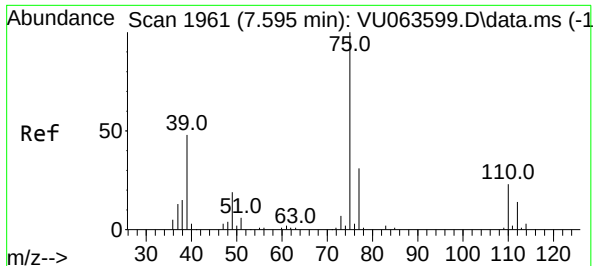
Ion Ratio Lower Upper

83 100

85 63.6 44.4 82.4

127 6.6 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 0.807 ug/L

RT: 7.599 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

Instrument :

MSVOA_U

ClientSampleId :

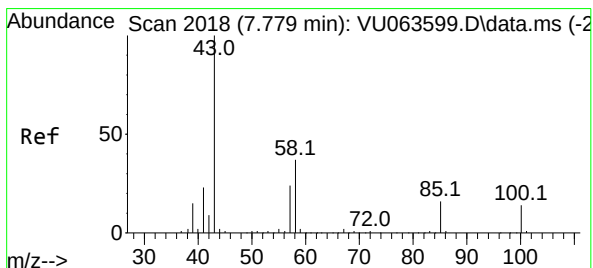
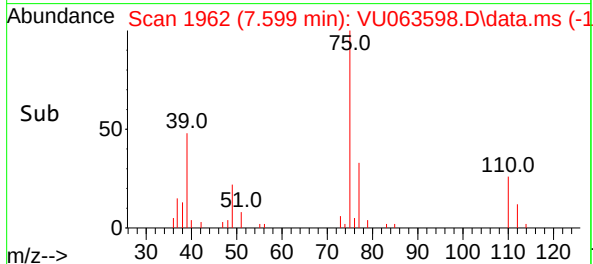
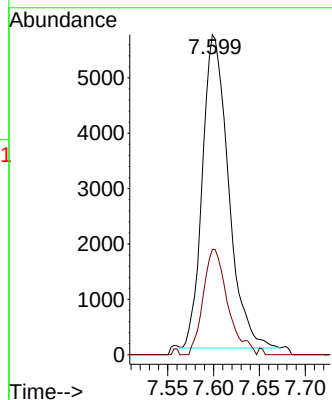
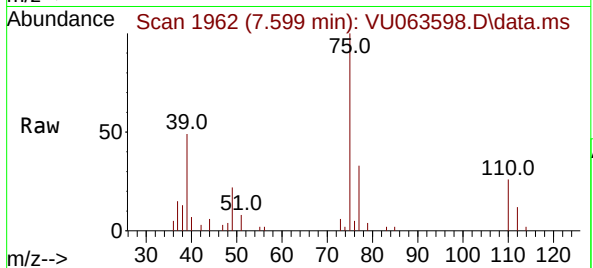
VSTD001022

Tgt Ion: 75 Resp: 11177

Ion Ratio Lower Upper

75 100

77 33.0 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 8.777 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.003 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

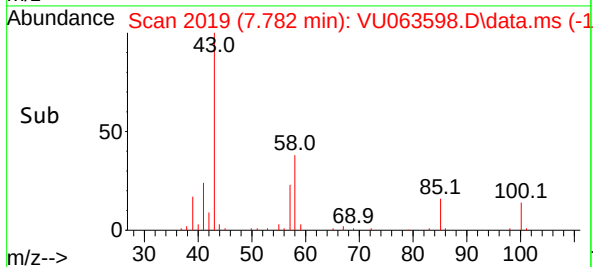
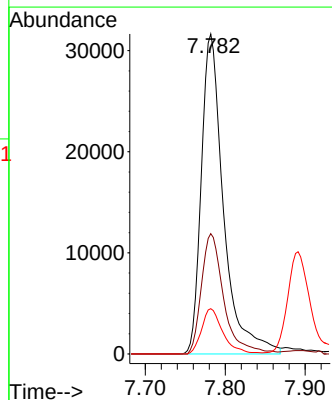
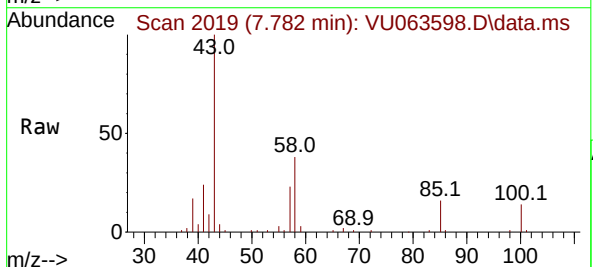
Tgt Ion: 43 Resp: 61323

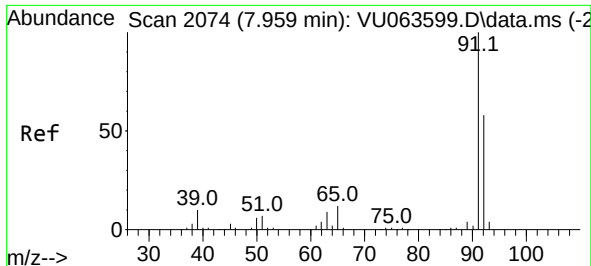
Ion Ratio Lower Upper

43 100

58 37.9 29.6 44.4

100 13.6 10.6 16.0





#42

Toluene

Concen: 0.932 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

Instrument :

MSVOA_U

ClientSampleId :

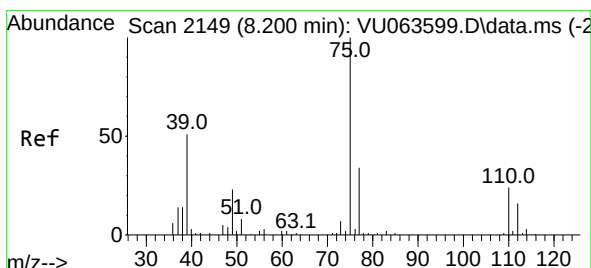
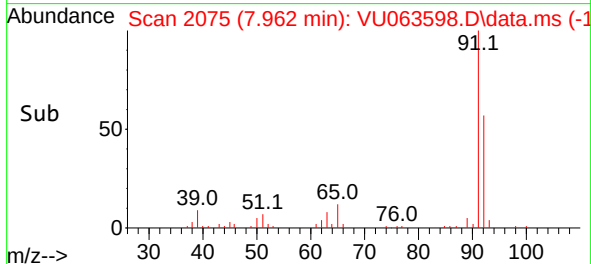
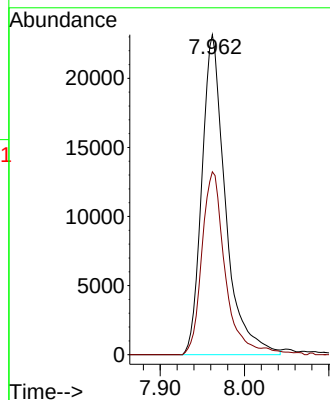
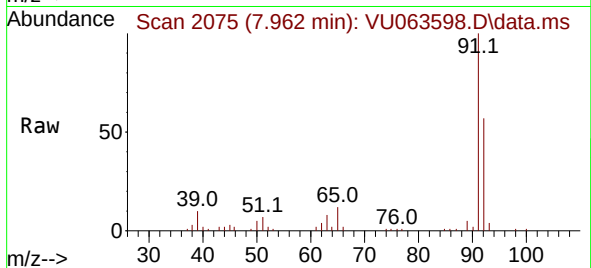
VSTD001022

Tgt Ion: 91 Resp: 45061

Ion Ratio Lower Upper

91 100

92 57.2 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 0.802 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU063598.D

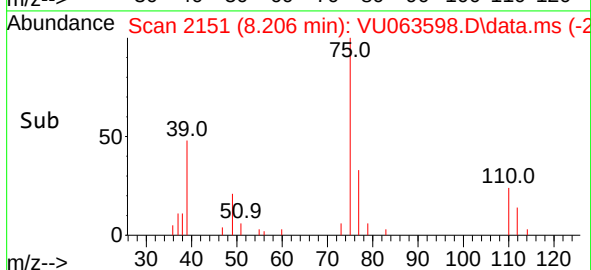
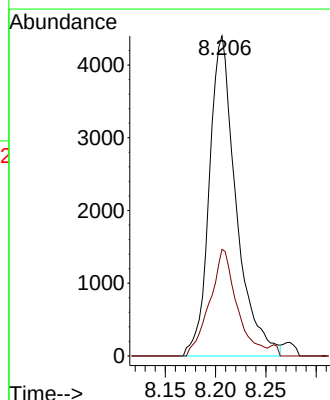
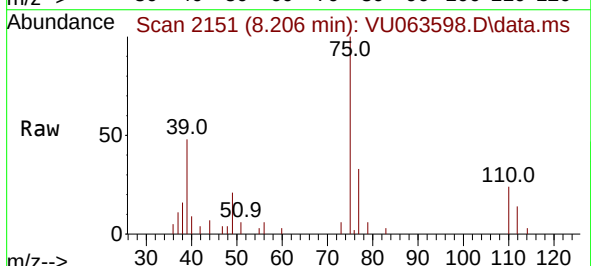
Acq: 17 Sep 2025 09:55

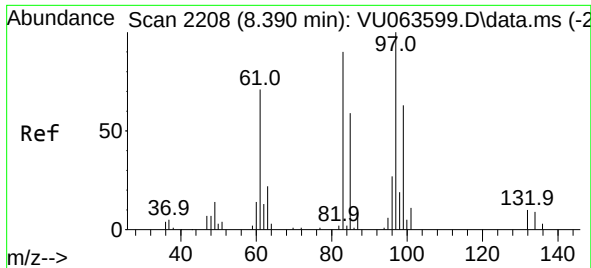
Tgt Ion: 75 Resp: 8159

Ion Ratio Lower Upper

75 100

77 33.3 23.7 44.1

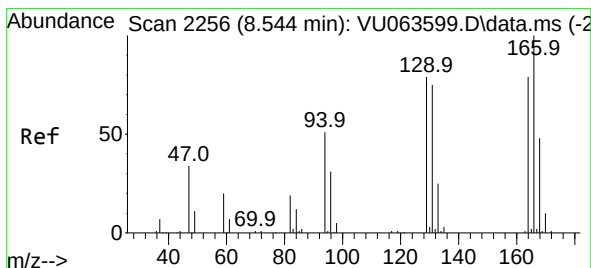
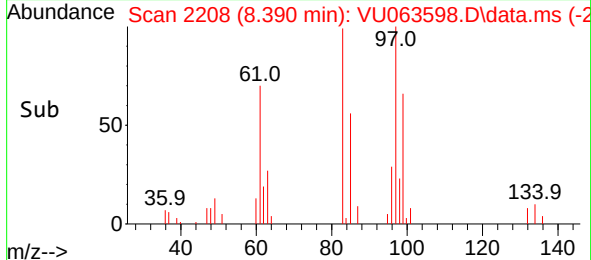
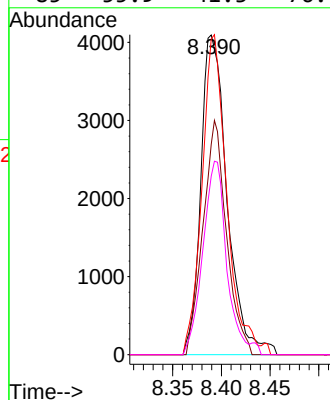
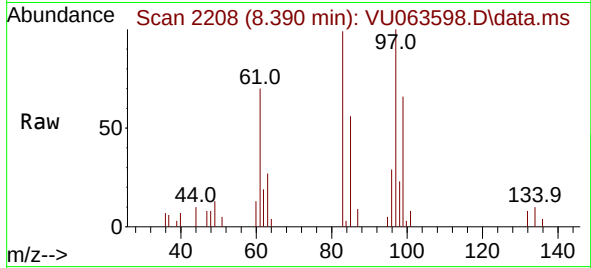




#45
1,1,2-Trichloroethane
Concen: 0.919 ug/L
RT: 8.390 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

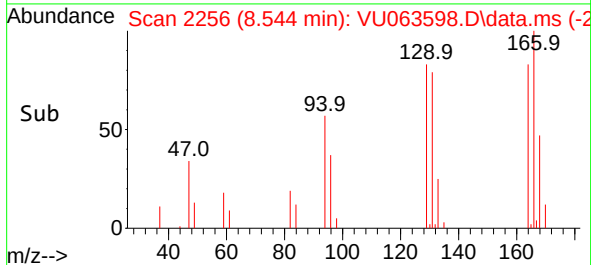
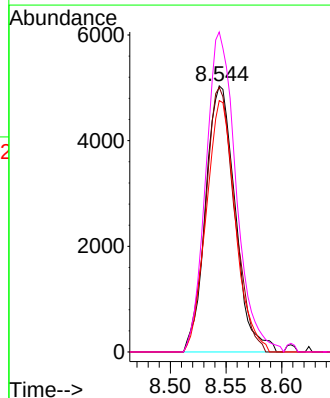
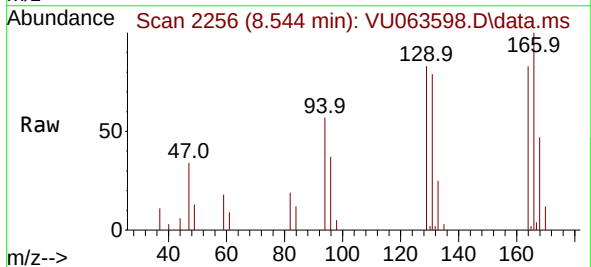
Instrument :
MSVOA_U
ClientSampleId :
VSTD001022

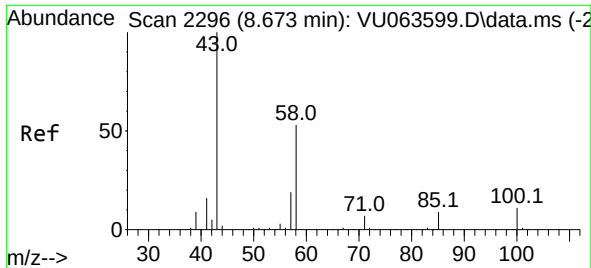
Tgt Ion:	97	Resp:	7682
Ion	Ratio	Lower	Upper
97	100		
99	65.9	44.0	81.6
83	98.8	63.1	117.3
85	55.9	41.3	76.7



#47
Tetrachloroethene
Concen: 0.983 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

Tgt Ion:	164	Resp:	9273
Ion	Ratio	Lower	Upper
164	100		
129	99.5	70.0	130.0
131	94.5	67.1	124.5
166	120.3	89.0	165.2

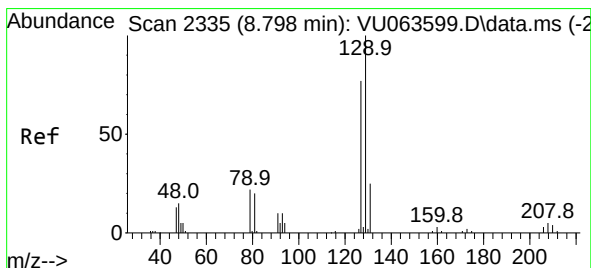
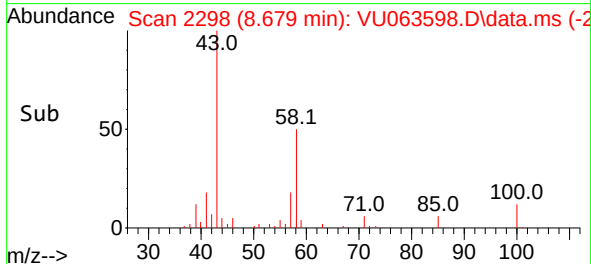
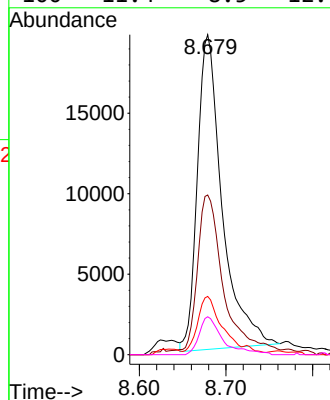
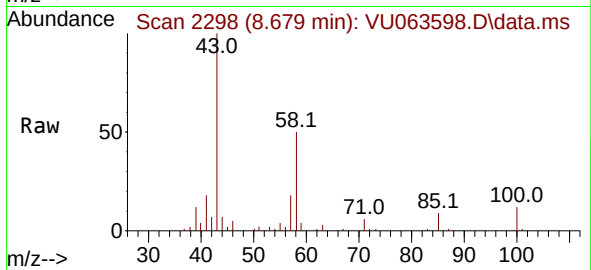




#48
2-Hexanone
Concen: 8.198 ug/L
RT: 8.679 min Scan# 2296
Delta R.T. 0.007 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

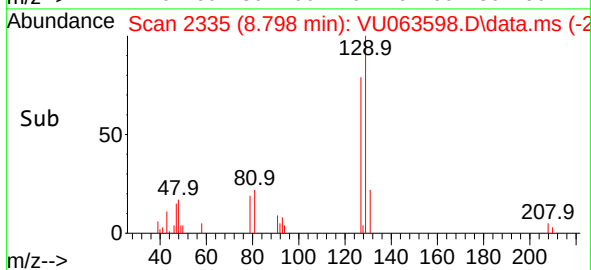
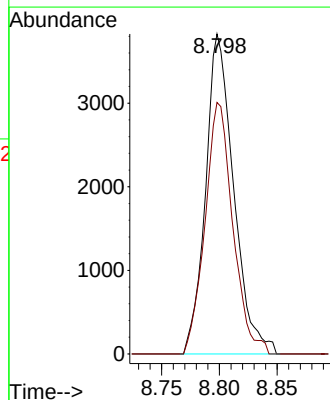
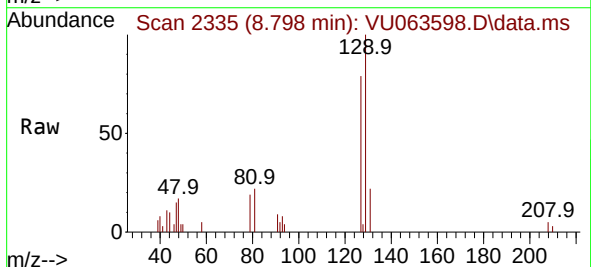
Instrument :
MSVOA_U
ClientSampleId :
VSTD001022

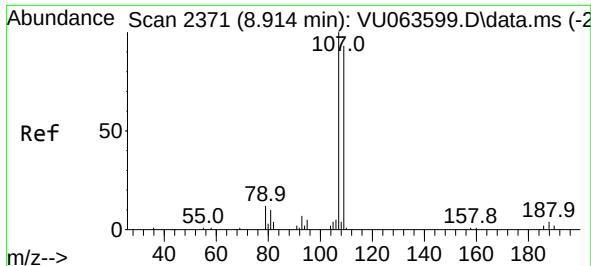
Tgt Ion: 43	Resp: 38939
Ion Ratio	Lower Upper
43 100	
58 51.9	42.2 63.2
57 16.1	15.0 22.4
100 11.4	8.5 12.7



#49
Dibromochloromethane
Concen: 0.847 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

Tgt Ion:129	Resp: 6472		
Ion Ratio	Lower	Upper	
129 100			
127 78.6	54.3	100.8	





#50

1,2-Dibromoethane

Concen: 0.929 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD001022

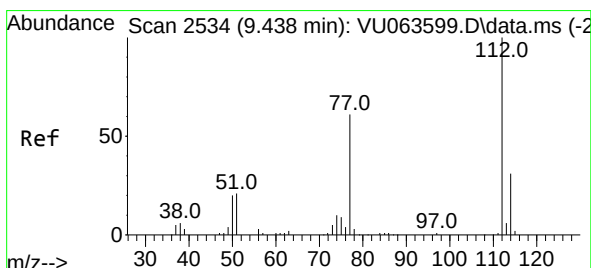
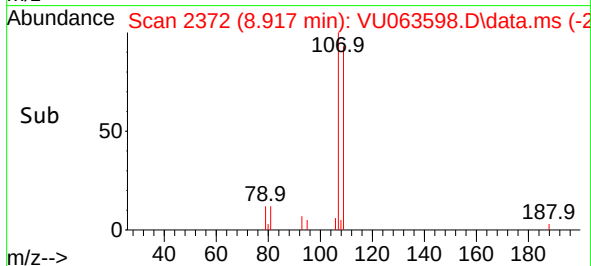
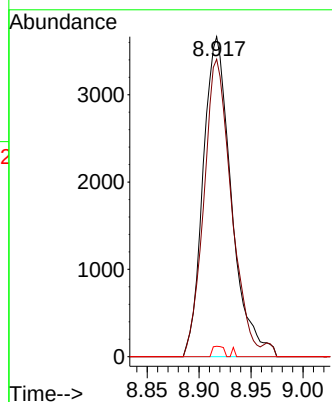
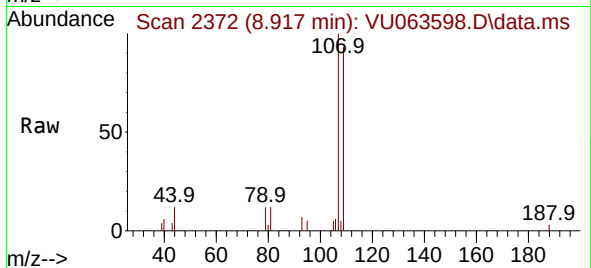
Tgt Ion:107 Resp: 6923

Ion Ratio Lower Upper

107 100

109 93.0 65.4 121.4

188 3.3 2.8 4.2



#51

Chlorobenzene

Concen: 0.935 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

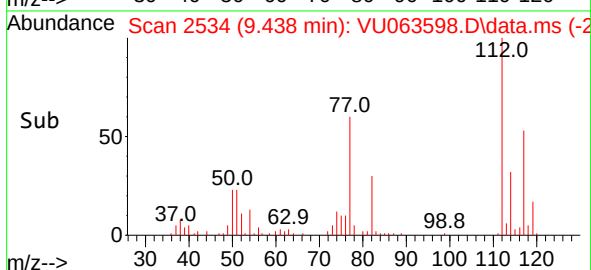
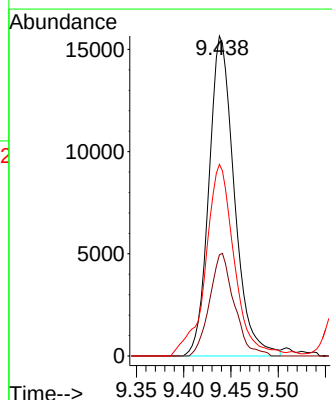
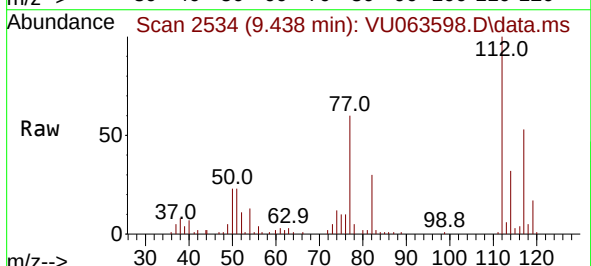
Tgt Ion:112 Resp: 29261

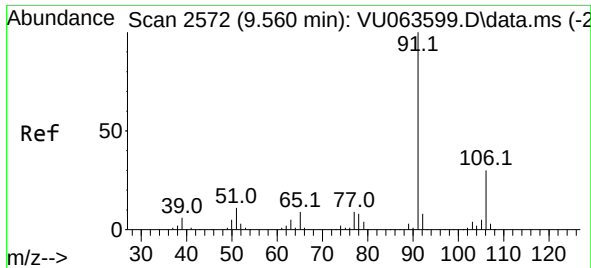
Ion Ratio Lower Upper

112 100

114 31.6 22.0 41.0

77 59.8 48.9 73.3

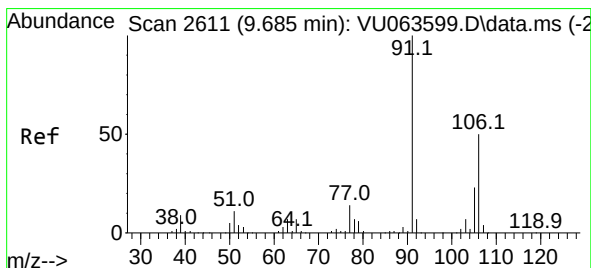
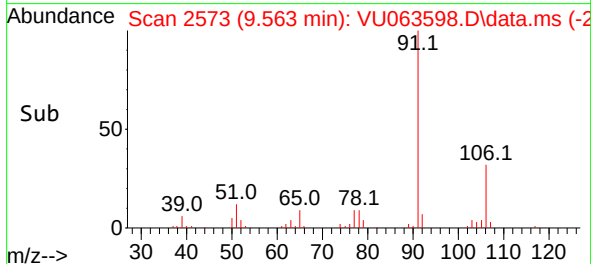
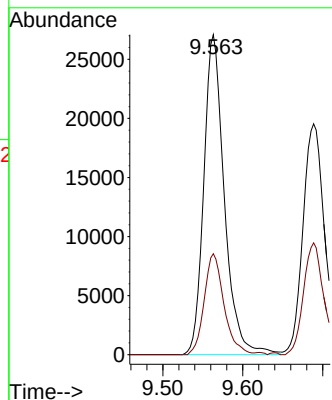
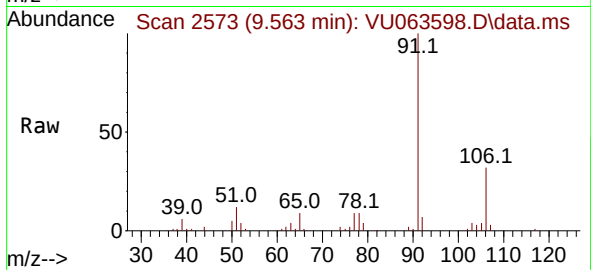




#52
Ethylbenzene
Concen: 0.911 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

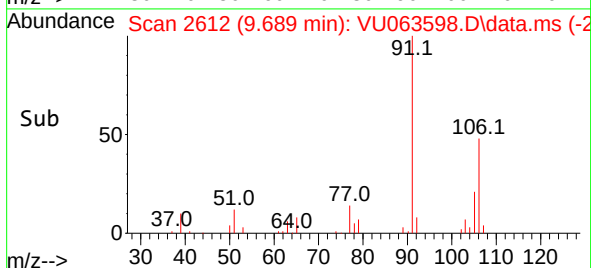
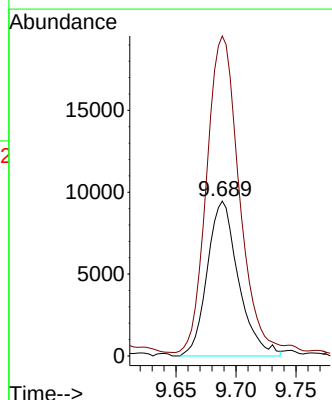
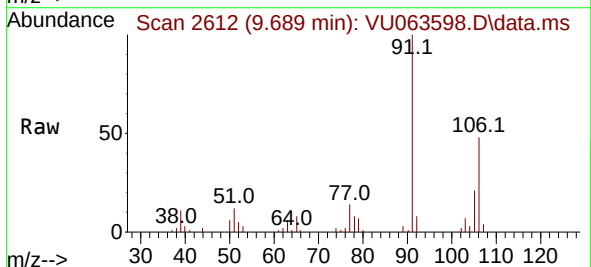
Instrument :
MSVOA_U
ClientSampleId :
VSTD001022

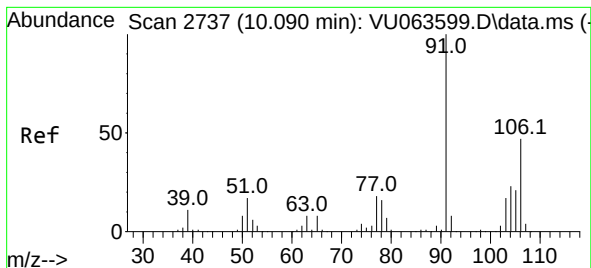
Tgt Ion: 91 Resp: 48472
Ion Ratio Lower Upper
91 100
106 31.5 21.2 39.4



#53
m,p-Xylene
Concen: 0.856 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

Tgt Ion: 106 Resp: 17091
Ion Ratio Lower Upper
106 100
91 206.5 141.5 262.7





#54

o-Xylene

Concen: 0.894 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

Instrument :

MSVOA_U

ClientSampleId :

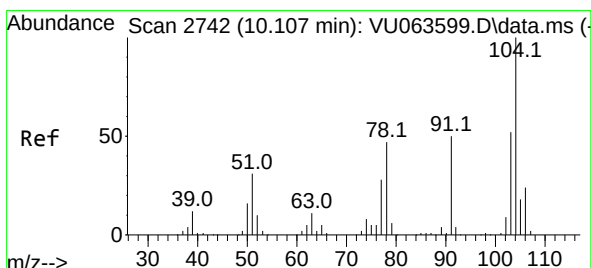
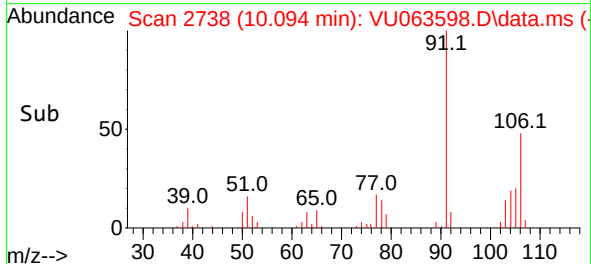
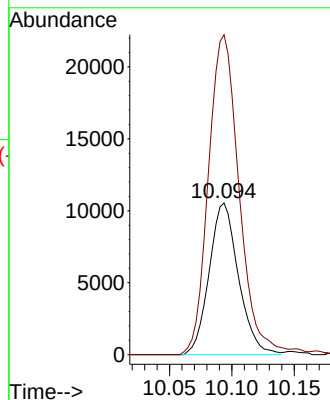
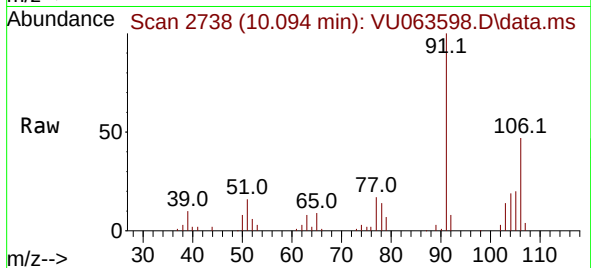
VSTD001022

Tgt Ion:106 Resp: 17265

Ion Ratio Lower Upper

106 100

91 211.1 149.4 277.4



#55

Styrene

Concen: 0.857 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.003 min

Lab File: VU063598.D

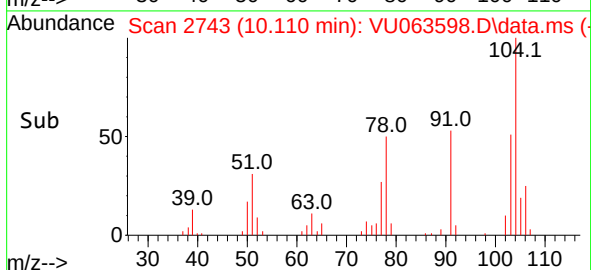
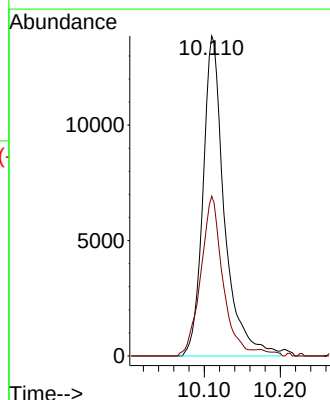
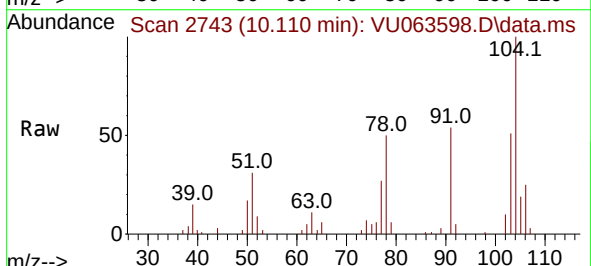
Acq: 17 Sep 2025 09:55

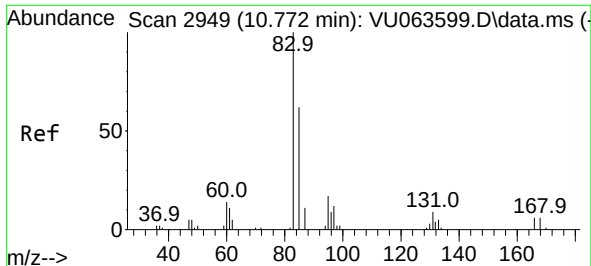
Tgt Ion:104 Resp: 27154

Ion Ratio Lower Upper

104 100

78 49.9 32.8 61.0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.929 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD001022

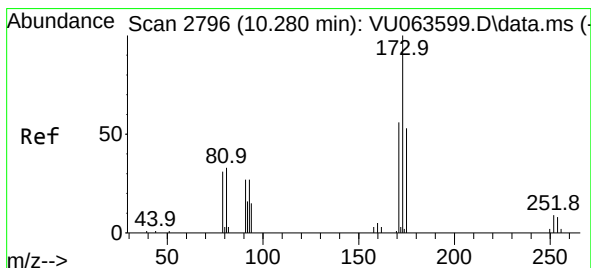
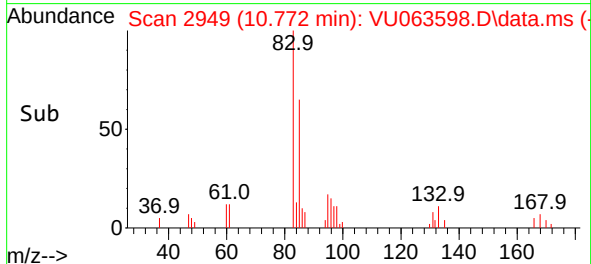
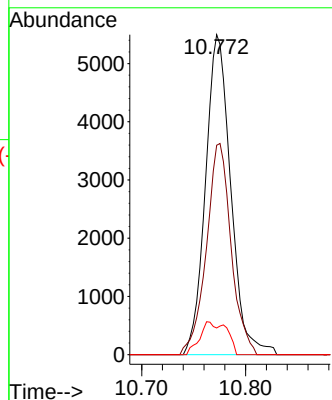
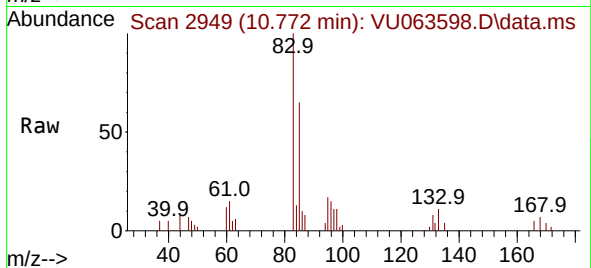
Tgt Ion: 83 Resp: 9275

Ion Ratio Lower Upper

83 100

85 65.4 43.5 80.7

131 8.3 7.3 10.9



#59

Bromoform

Concen: 0.815 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. -0.003 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

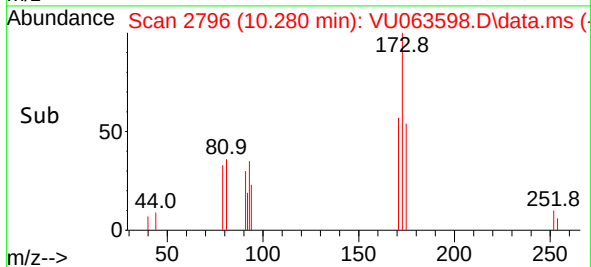
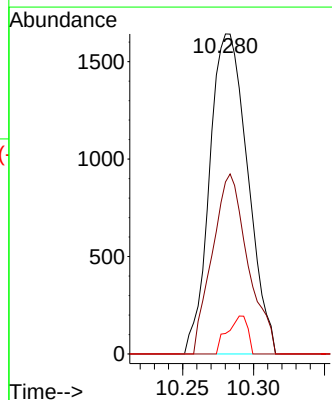
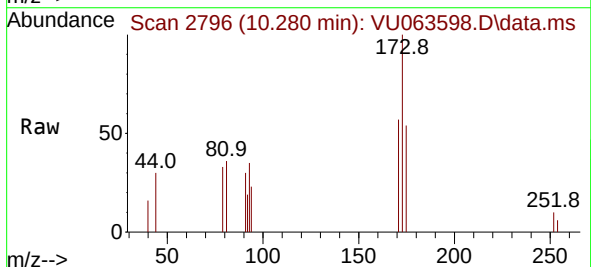
Tgt Ion: 173 Resp: 3064

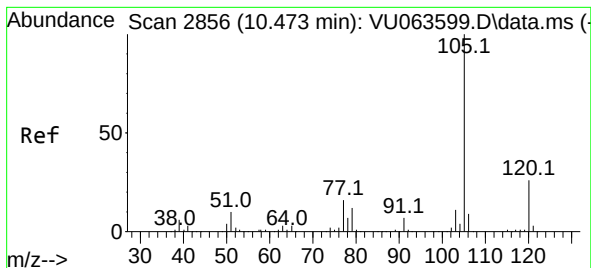
Ion Ratio Lower Upper

173 100

175 52.6 40.3 60.5

254 6.3 6.4 9.6#





#60

Isopropylbenzene

Concen: 0.928 ug/L

RT: 10.476 min Scan# 2856

Delta R.T. 0.000 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD001022

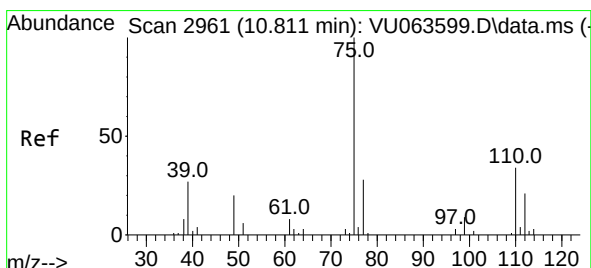
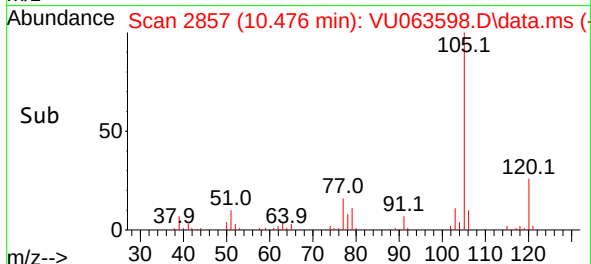
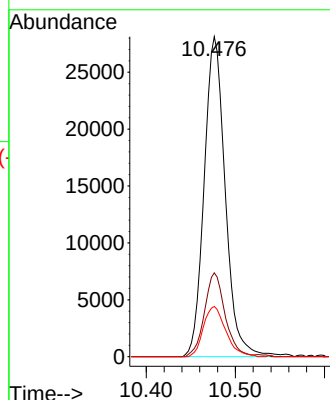
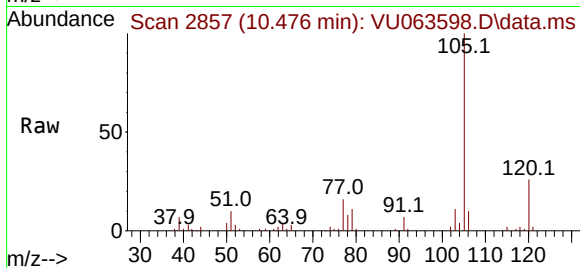
Tgt Ion:105 Resp: 46323

Ion Ratio Lower Upper

105 100

120 25.6 20.9 31.3

77 16.6 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 0.991 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.003 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

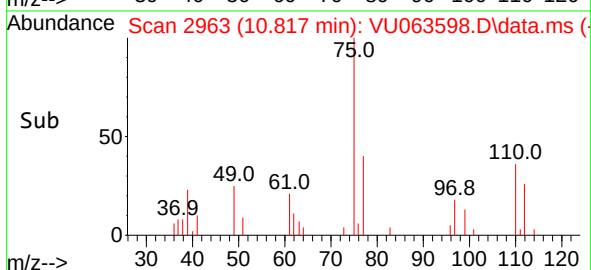
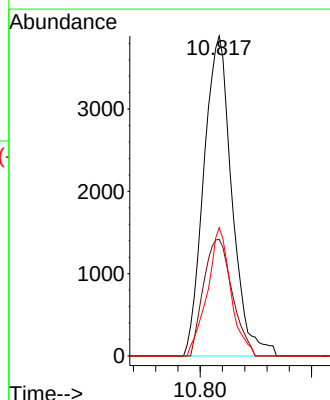
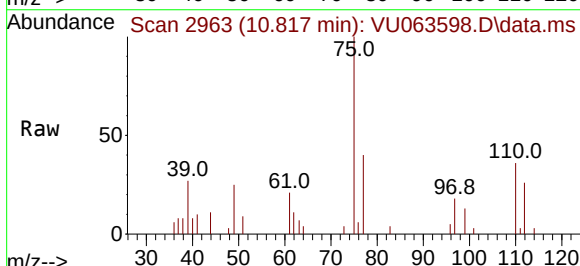
Tgt Ion: 75 Resp: 6814

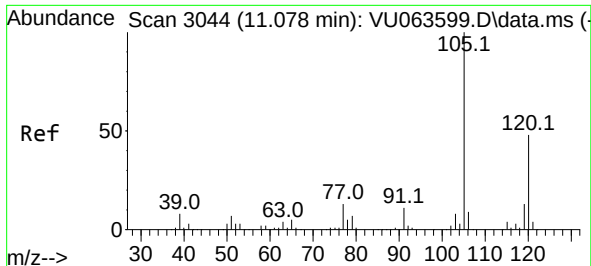
Ion Ratio Lower Upper

75 100

110 37.2 28.3 42.5

77 33.5 25.2 37.8





#62

1,3,5-Trimethylbenzene

Concen: 0.888 ug/L

RT: 11.081 min Scan# 3044

Delta R.T. 0.000 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

Instrument :

MSVOA_U

ClientSampleId :

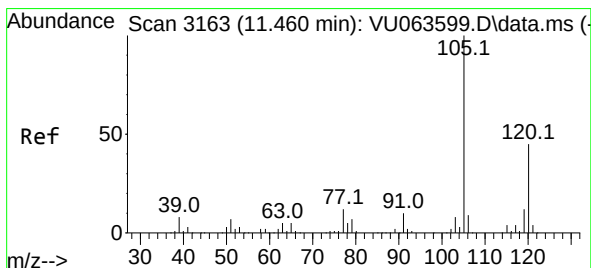
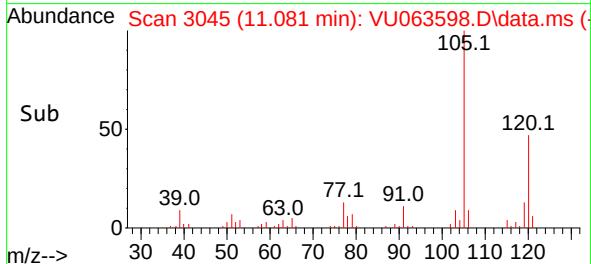
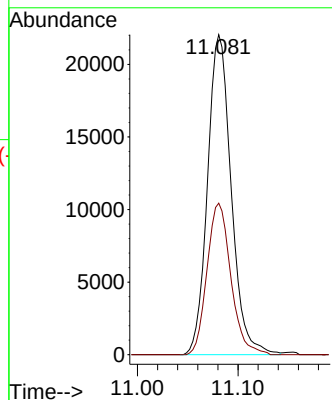
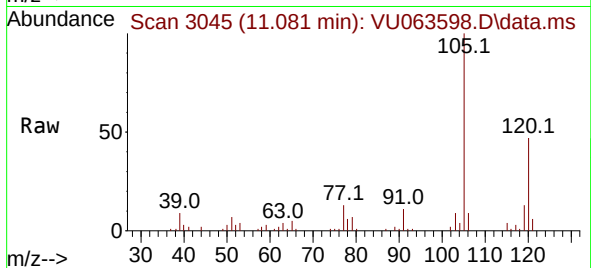
VSTD001022

Tgt Ion:105 Resp: 36068

Ion Ratio Lower Upper

105 100

120 47.6 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 0.890 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU063598.D

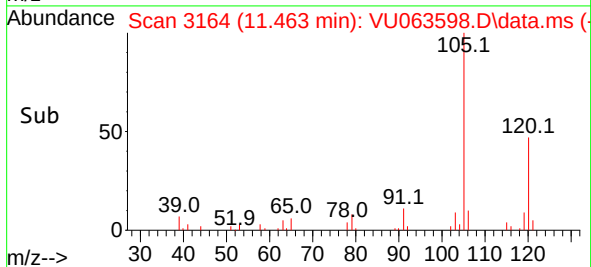
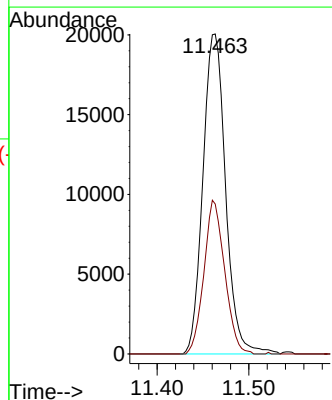
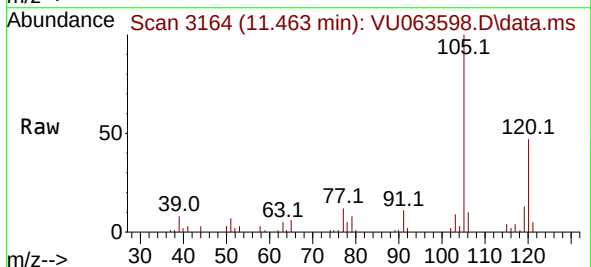
Acq: 17 Sep 2025 09:55

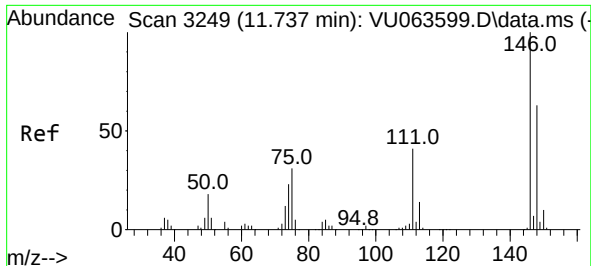
Tgt Ion:105 Resp: 34496

Ion Ratio Lower Upper

105 100

120 43.9 35.3 52.9



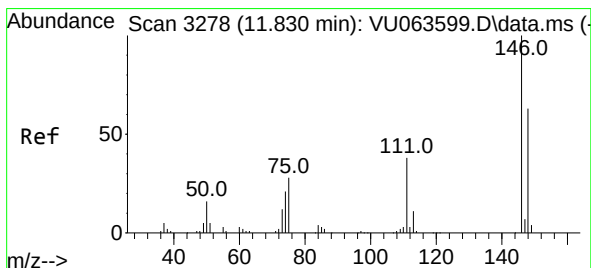
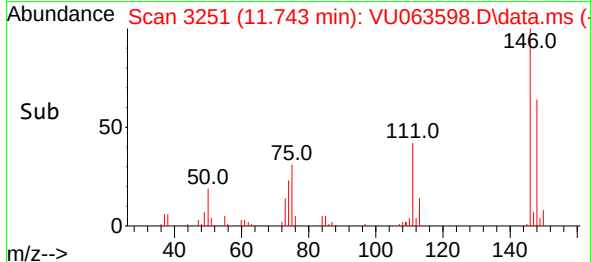
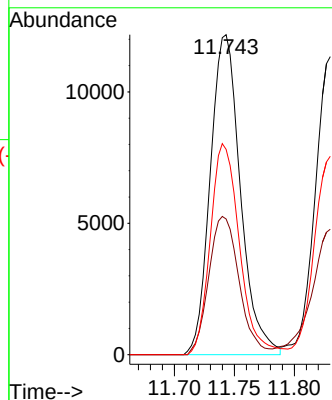
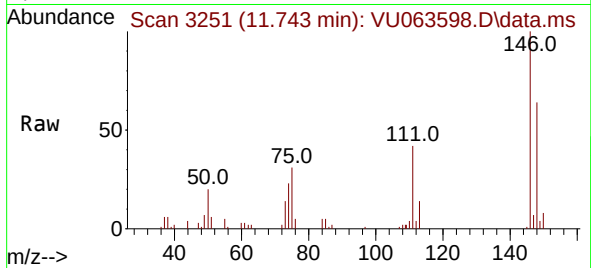


#64
1,3-Dichlorobenzene
Concen: 0.950 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD001022

Tgt Ion:146 Resp: 21258

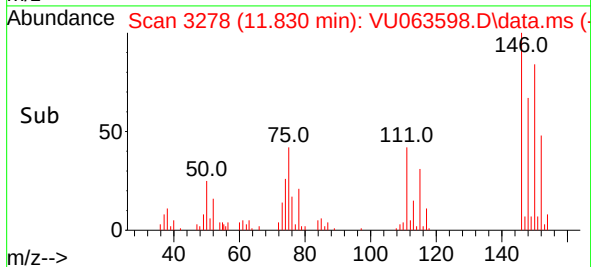
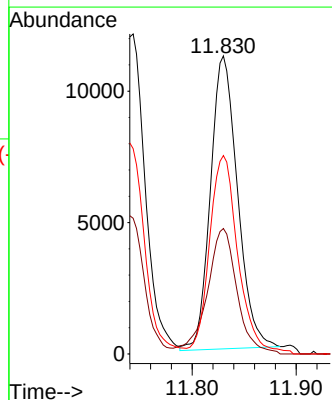
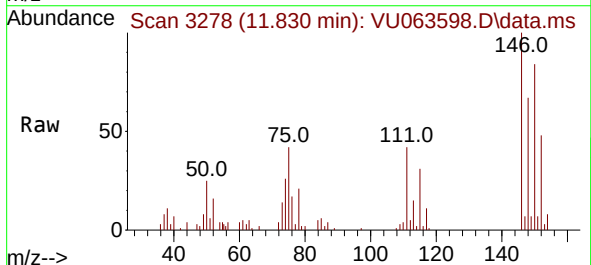
Ion	Ratio	Lower	Upper
146	100		
111	42.4	29.0	53.8
148	64.1	44.3	82.3

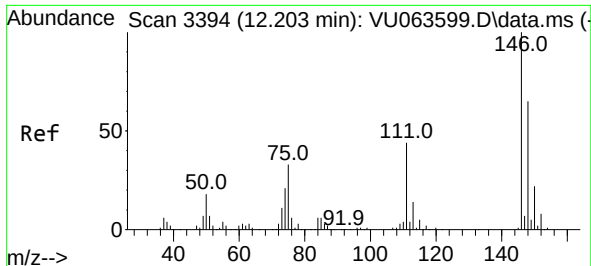


#65
1,4-Dichlorobenzene
Concen: 0.894 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU063598.D
Acq: 17 Sep 2025 09:55

Tgt Ion:146 Resp: 20199

Ion	Ratio	Lower	Upper
146	100		
111	42.1	27.2	50.4
148	66.6	44.0	81.6





#67

1,2-Dichlorobenzene

Concen: 0.958 ug/L

RT: 12.206 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD001022

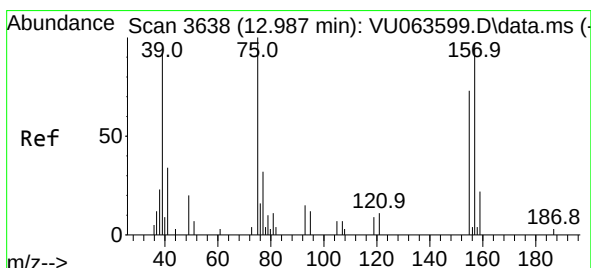
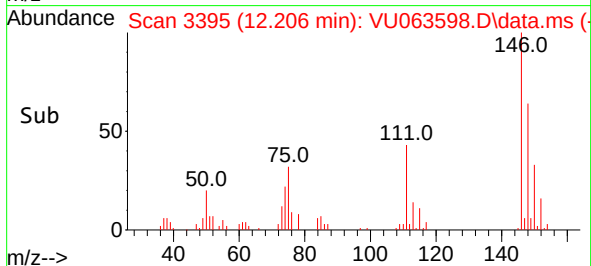
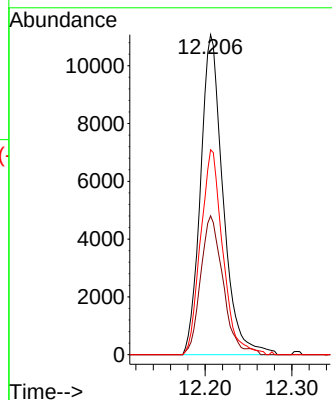
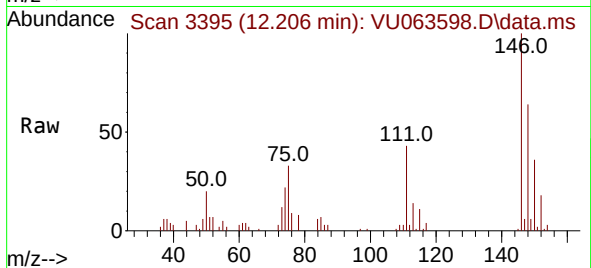
Tgt Ion:146 Resp: 19997

Ion Ratio Lower Upper

146 100

111 43.4 35.5 53.3

148 64.1 52.1 78.1



#68

1,2-Dibromo-3-chloropropane

Concen: 0.732 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

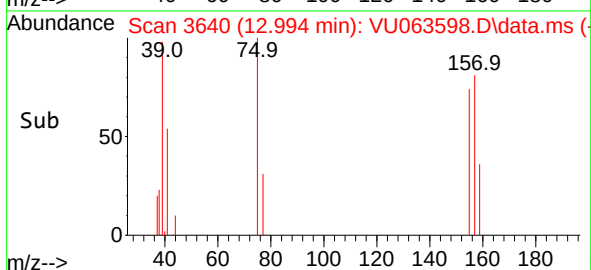
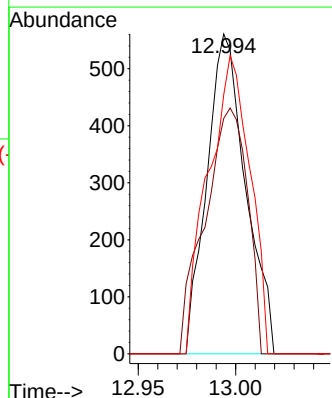
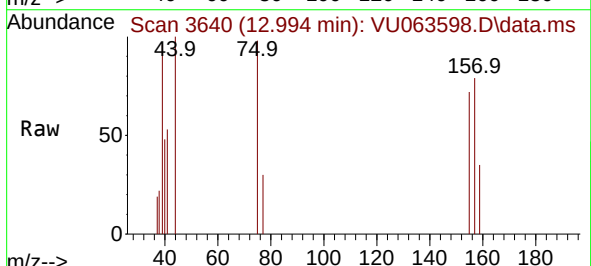
Tgt Ion: 75 Resp: 777

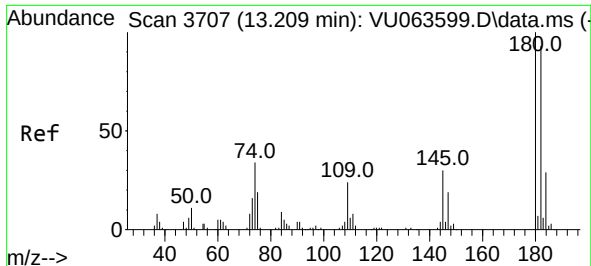
Ion Ratio Lower Upper

75 100

155 73.6 58.4 87.6

157 80.9 77.8 116.8





#69

1,3,5-Trichlorobenzene

Concen: 0.900 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063598.D

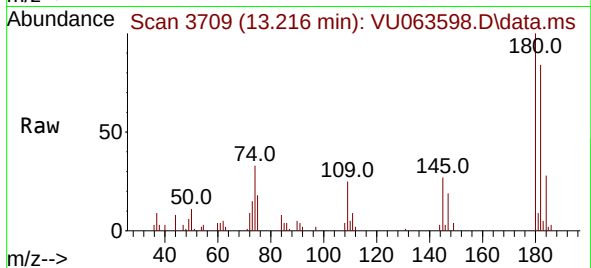
Acq: 17 Sep 2025 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD001022



Tgt Ion:180 Resp: 15063

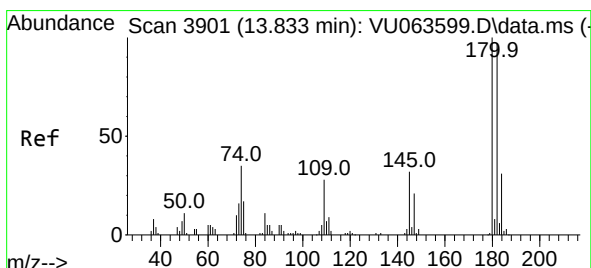
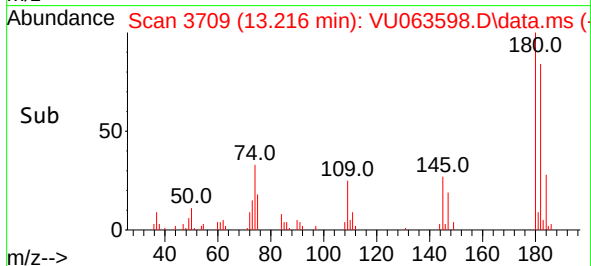
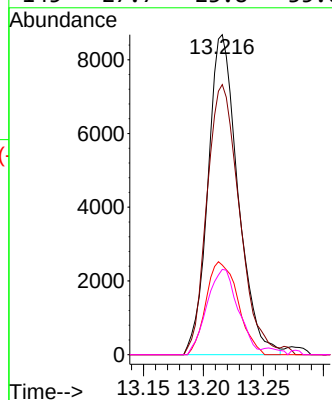
Ion Ratio Lower Upper

180 100

182 91.3 74.6 111.8

184 30.9 23.4 35.2

145 27.7 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 0.849 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

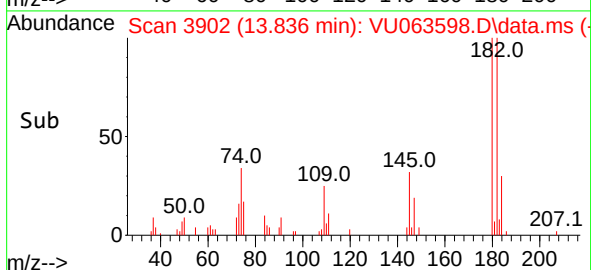
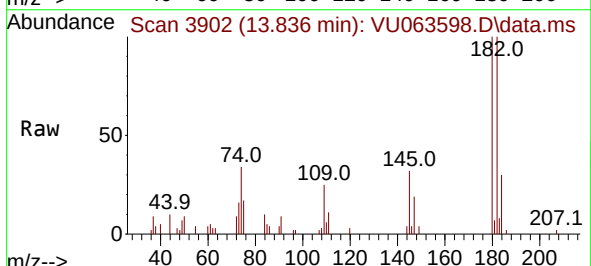
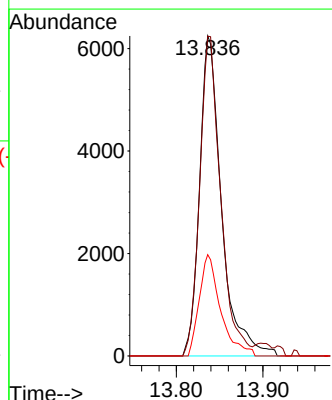
Tgt Ion:180 Resp: 10974

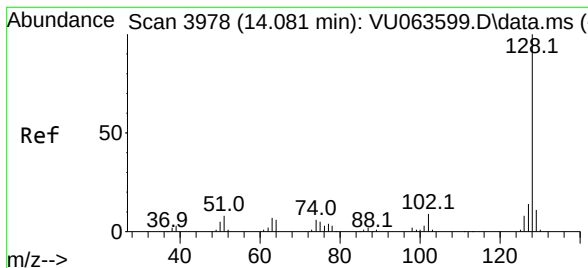
Ion Ratio Lower Upper

180 100

182 95.1 76.6 114.8

145 30.7 25.0 37.4





#71

Naphthalene

Concen: 0.781 ug/L

RT: 14.090 min Scan# 3978

Delta R.T. 0.007 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD001022

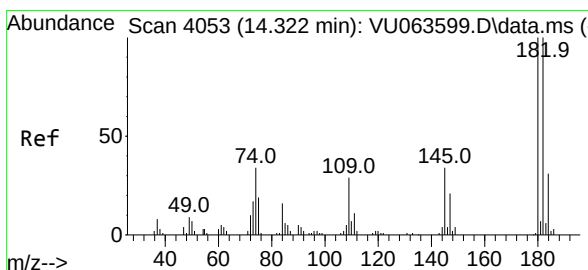
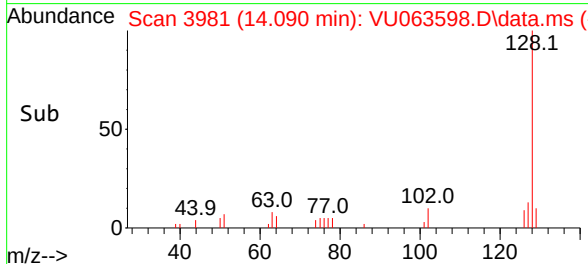
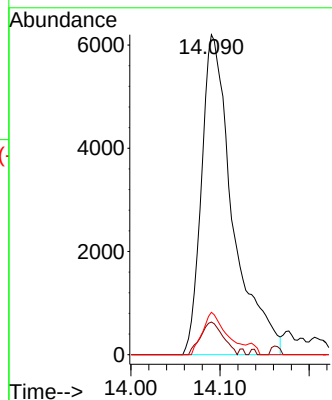
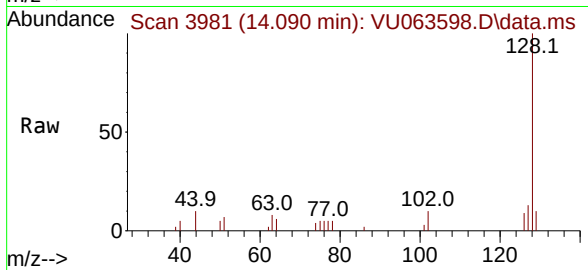
Tgt Ion:128 Resp: 15101

Ion Ratio Lower Upper

128 100

129 7.3 8.8 13.2#

127 10.2 11.0 16.4#



#72

1,2,3-Trichlorobenzene

Concen: 0.861 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU063598.D

Acq: 17 Sep 2025 09:55

Tgt Ion:180 Resp: 9549

Ion Ratio Lower Upper

180 100

182 92.3 78.2 117.2

145 32.5 26.0 39.0

