

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112425\
 Data File : VU063774.D
 Acq On : 24 Nov 2025 13:10
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050117

Quant Time: Nov 25 00:20:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 21 22:28:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	321563	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	314070	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	158156	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	128156	46.152	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.300%		
7) Chloroethane-d5	1.891	69	105966	49.533	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.060%		
11) 1,1-Dichloroethene-d2	2.544	63	236890	49.216	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.440%		
21) 2-Butanone-d5	4.596	46	150587	95.125	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.120%		
24) Chloroform-d	5.030	84	236240	50.706	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.420%		
26) 1,2-Dichloroethane-d4	5.669	65	153766	50.191	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.380%		
32) Benzene-d6	5.695	84	443634	48.190	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.380%		
36) 1,2-Dichloropropane-d6	6.660	67	131016	48.478	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.960%		
41) Toluene-d8	7.872	98	423025	48.397	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.800%		
43) trans-1,3-Dichloroprop...	8.155	79	53457	47.865	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.720%		
47) 2-Hexanone-d5	8.608	63	94011	95.674	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.670%		
56) 1,1,2,2-Tetrachloroeth...	10.730	84	196991	49.843	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.680%		
66) 1,2-Dichlorobenzene-d4	12.168	152	150077	50.267	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.374	85	99751	53.301	ug/L	100
3) Chloromethane	1.509	50	108445	51.215	ug/L	100
5) Vinyl chloride	1.589	62	129153	52.458	ug/L	98
6) Bromomethane	1.837	94	86450	55.409	ug/L	97
8) Chloroethane	1.914	64	91053	55.406	ug/L	97
9) Trichlorofluoromethane	2.117	101	217123	55.914	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	124436	54.219	ug/L	97
12) 1,1-Dichloroethene	2.554	96	106860	50.909	ug/L	94
13) Acetone	2.602	43	242092	112.998	ug/L	99
14) Carbon disulfide	2.766	76	261406	47.810	ug/L	98
15) Methyl Acetate	2.924	43	130648	50.783	ug/L	99
16) Methylene chloride	3.017	84	129081	52.751	ug/L	98
17) trans-1,2-Dichloroethene	3.322	96	117030	52.294	ug/L	91
18) Methyl tert-butyl Ether	3.335	73	396572	52.360	ug/L	99
19) 1,1-Dichloroethane	3.834	63	229360	53.187	ug/L	98
20) cis-1,2-Dichloroethene	4.634	96	138105	53.612	ug/L	98
22) 2-Butanone	4.669	43	238195	100.075	ug/L	97
23) Bromochloromethane	4.940	128	71438	53.940	ug/L	97
25) Chloroform	5.055	83	252105	54.009	ug/L	99

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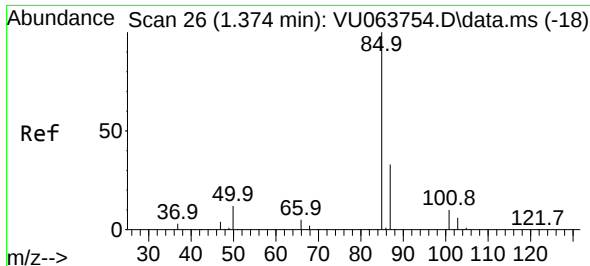
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	205317	53.881	ug/L	99
29) Cyclohexane	5.354	56	203425	51.479	ug/L	97
30) 1,1,1-Trichloroethane	5.284	97	208493	51.987	ug/L	99
31) Carbon tetrachloride	5.493	117	169111	53.626	ug/L	98
33) Benzene	5.743	78	504334	52.649	ug/L	100
34) Trichloroethene	6.512	95	140845	51.002	ug/L	97
35) Methylcyclohexane	6.734	83	209425	51.661	ug/L	99
37) 1,2-Dichloropropane	6.763	63	134740	54.125	ug/L	99
38) Bromodichloromethane	7.078	83	180882	53.061	ug/L	96
39) cis-1,3-Dichloropropene	7.579	75	179817	48.706	ug/L	100
40) 4-Methyl-2-pentanone	7.763	43	368186	102.178	ug/L	100
42) Toluene	7.943	91	556704	52.641	ug/L	99
44) trans-1,3-Dichloropropene	8.184	75	161904	50.238	ug/L	99
45) 1,1,2-Trichloroethane	8.374	97	138421	52.577	ug/L	98
46) Tetrachloroethene	8.528	164	108781	51.510	ug/L	98
48) 2-Hexanone	8.660	43	299786	105.997	ug/L	99
49) Dibromochloromethane	8.782	129	132695	52.191	ug/L	97
50) 1,2-Dibromoethane	8.898	107	142165	51.444	ug/L	99
51) Chlorobenzene	9.422	112	371901	52.111	ug/L	99
52) Ethylbenzene	9.544	91	643637	52.415	ug/L	99
53) m,p-Xylene	9.669	106	238726	51.006	ug/L	98
54) o-Xylene	10.074	106	240411	52.745	ug/L	98
55) Styrene	10.091	104	389480	52.738	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.756	83	217999	50.840	ug/L	99
59) Bromoform	10.264	173	98859	55.041	ug/L	99
60) 1,2,3-Trichloropropane	10.795	75	185559	53.755	ug/L	98
61) Isopropylbenzene	10.460	105	648284	54.334	ug/L	100
62) 1,3,5-Trimethylbenzene	11.062	105	537554	54.771	ug/L	100
63) 1,2,4-Trimethylbenzene	11.444	105	507000	54.119	ug/L	100
64) 1,3-Dichlorobenzene	11.721	146	284878	53.259	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	281417	51.367	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	276463	53.311	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.968	75	44367	52.051	ug/L	93
69) 1,3,5-Trichlorobenzene	13.190	180	192943	53.369	ug/L	99
70) 1,2,4-trichlorobenzene	13.814	180	152349	50.538	ug/L	98
71) Naphthalene	14.058	128	402162	50.129	ug/L	99
72) 1,2,3-Trichlorobenzene	14.303	180	144240	50.483	ug/L	99

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

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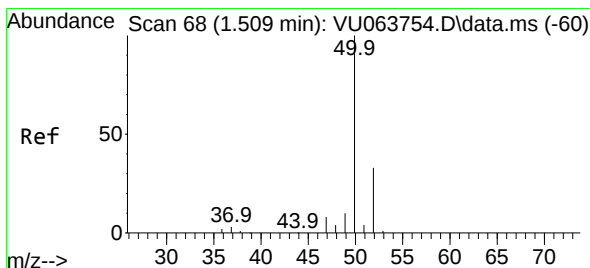
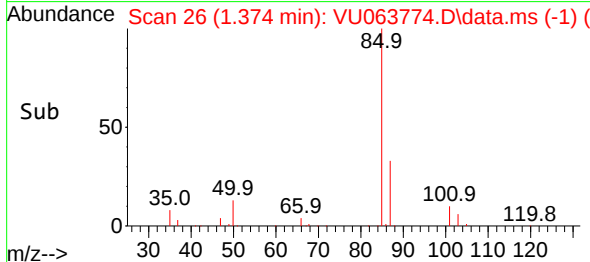
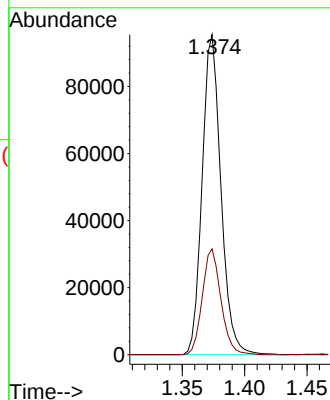
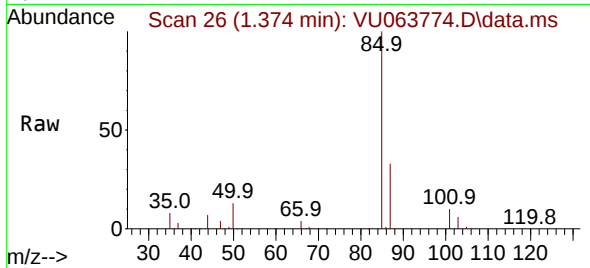




#2
Dichlorodifluoromethane
Concen: 53.301 ug/L
RT: 1.374 min Scan# 20
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

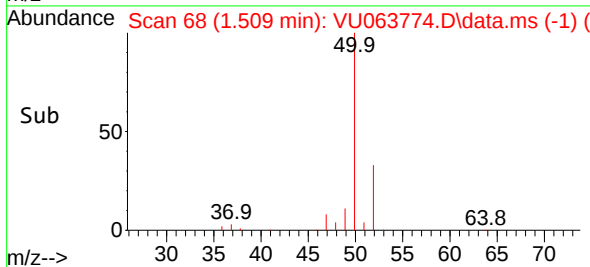
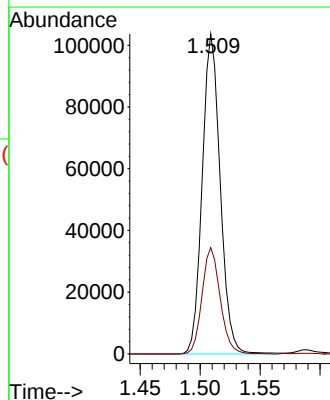
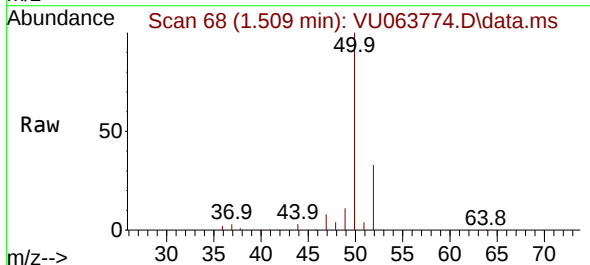
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

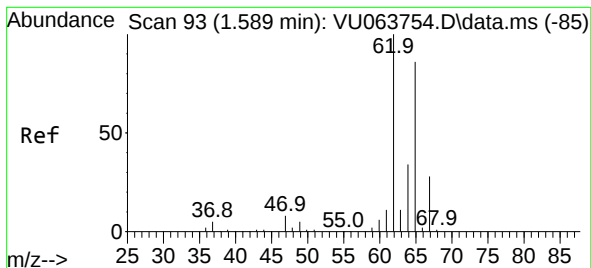
Tgt Ion: 85 Resp: 99751
Ion Ratio Lower Upper
85 100
87 32.7 26.2 39.2



#3
Chloromethane
Concen: 51.215 ug/L
RT: 1.509 min Scan# 68
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Tgt Ion: 50 Resp: 108445
Ion Ratio Lower Upper
50 100
52 33.3 23.2 43.2





#5

Vinyl chloride

Concen: 52.458 ug/L

RT: 1.589 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

Instrument :

MSVOA_U

ClientSampleId :

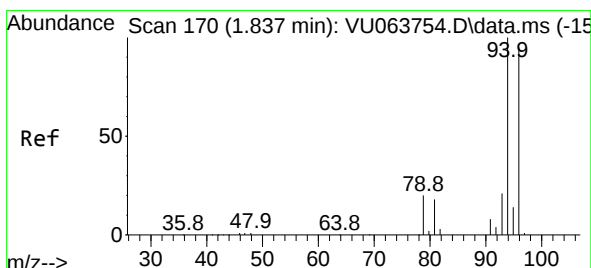
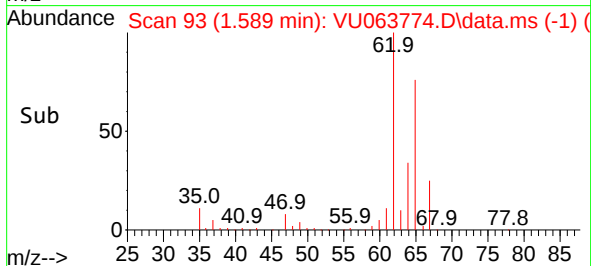
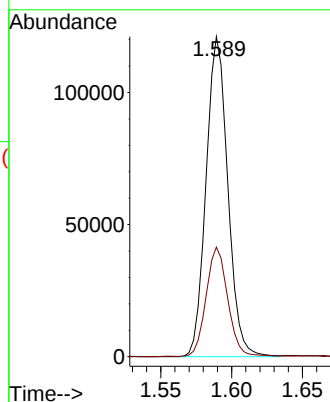
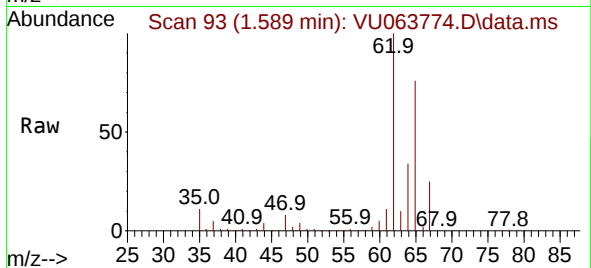
VSTD050117

Tgt Ion: 62 Resp: 129153

Ion Ratio Lower Upper

62 100

64 34.3 23.2 43.2



#6

Bromomethane

Concen: 55.409 ug/L

RT: 1.837 min Scan# 170

Delta R.T. 0.000 min

Lab File: VU063774.D

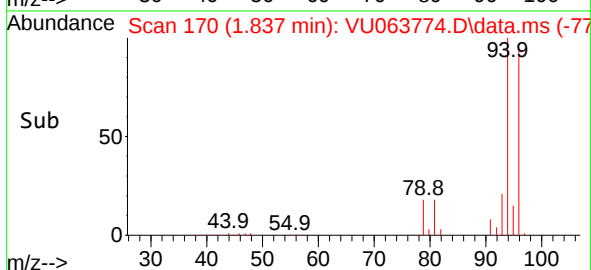
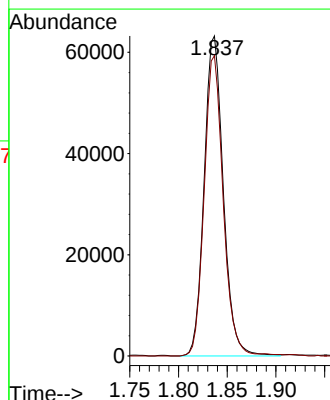
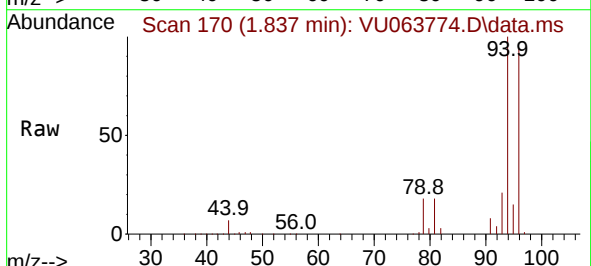
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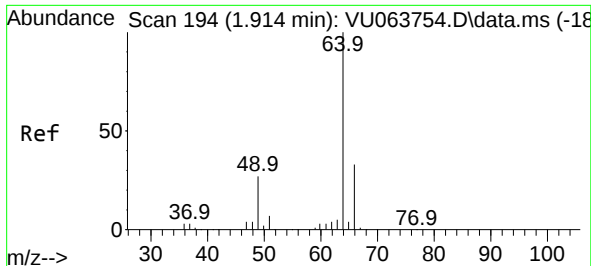
Tgt Ion: 94 Resp: 86450

Ion Ratio Lower Upper

94 100

96 93.8 63.8 118.4





#8

Chloroethane

Concen: 55.406 ug/L

RT: 1.914 min Scan# 194

Delta R.T. 0.000 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

Instrument :

MSVOA_U

ClientSampleId :

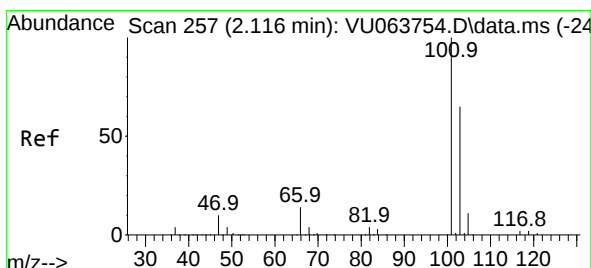
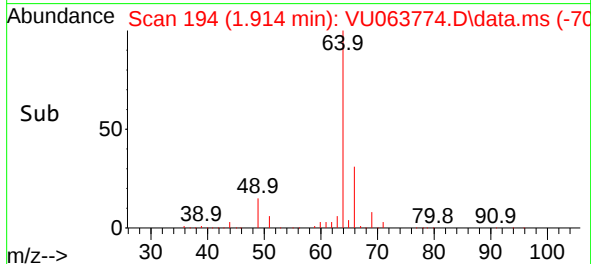
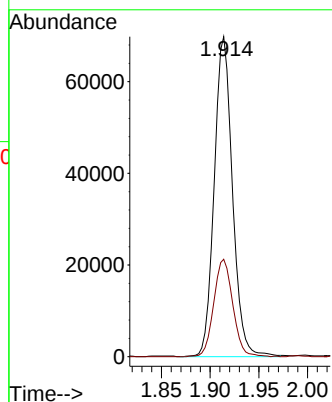
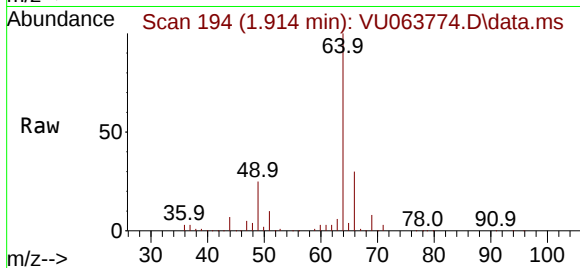
VSTD050117

Tgt Ion: 64 Resp: 91053

Ion Ratio Lower Upper

64 100

66 30.5 22.4 41.6



#9

Trichlorofluoromethane

Concen: 55.914 ug/L

RT: 2.117 min Scan# 257

Delta R.T. 0.000 min

Lab File: VU063774.D

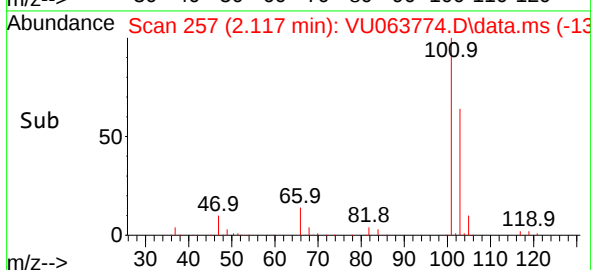
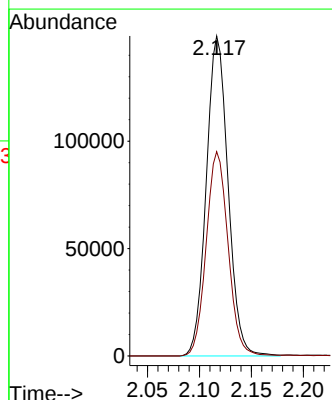
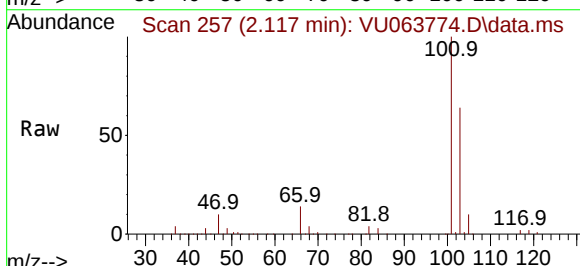
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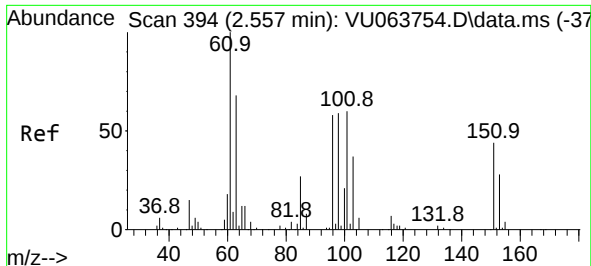
Tgt Ion:101 Resp: 217123

Ion Ratio Lower Upper

101 100

103 64.1 52.0 78.0





#10

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

Concen: 54.219 ug/L

RT: 2.554 min Scan# 393

Delta R.T. -0.003 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

Instrument :

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VSTD050117

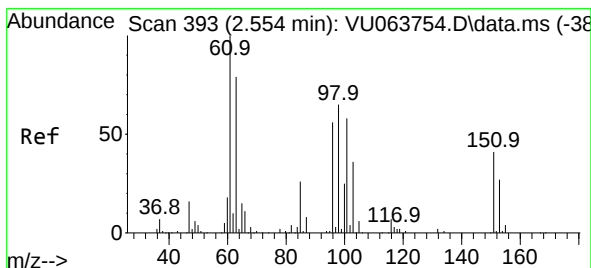
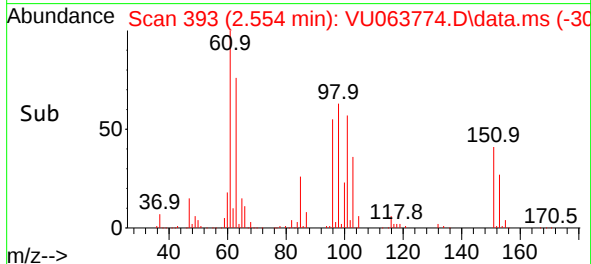
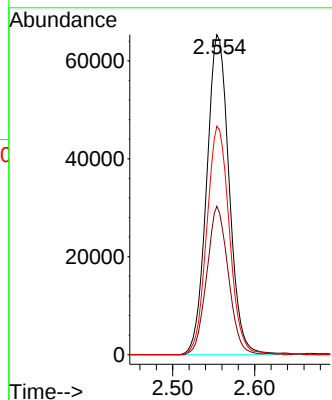
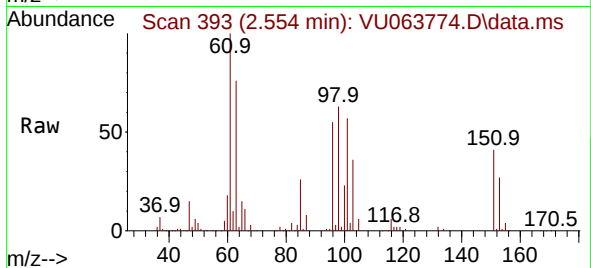
Tgt Ion:101 Resp: 124436

Ion Ratio Lower Upper

101 100

85 44.4 36.3 54.5

151 71.8 60.1 90.1



#12

1,1-Dichloroethene

Concen: 50.909 ug/L

RT: 2.554 min Scan# 393

Delta R.T. 0.000 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

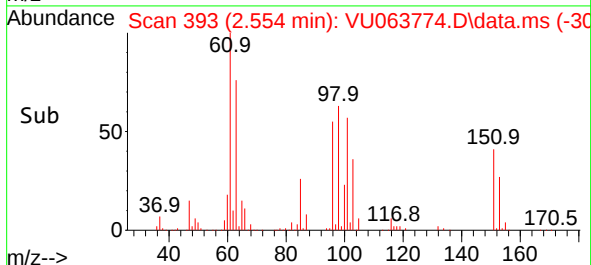
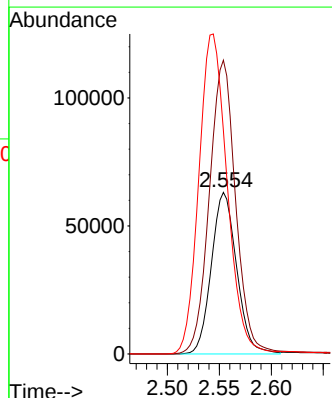
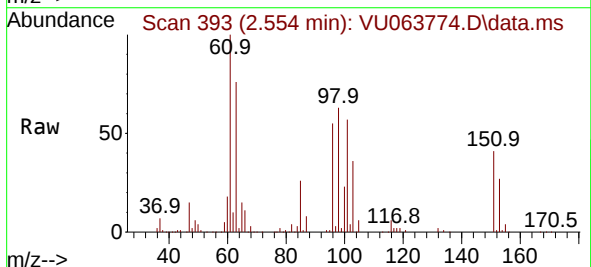
Tgt Ion: 96 Resp: 106860

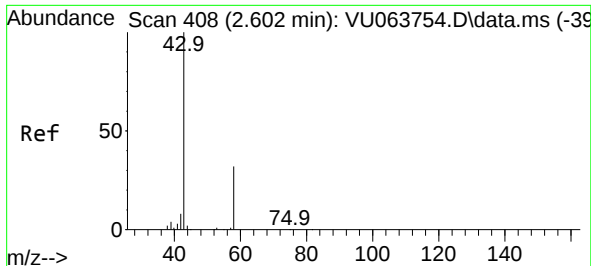
Ion Ratio Lower Upper

96 100

61 181.8 123.3 228.9

63 138.2 103.3 191.8





#13

Acetone

Concen: 112.998 ug/L

RT: 2.602 min Scan# 408

Delta R.T. 0.000 min

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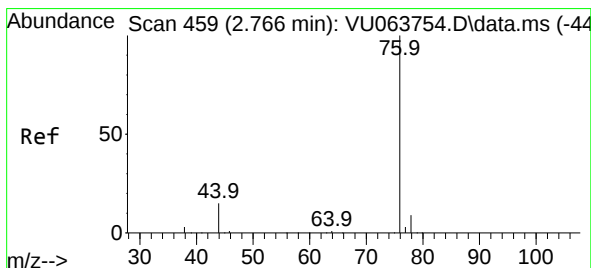
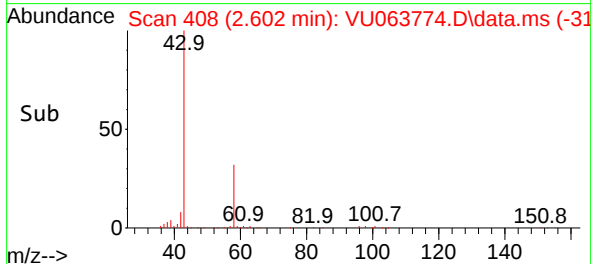
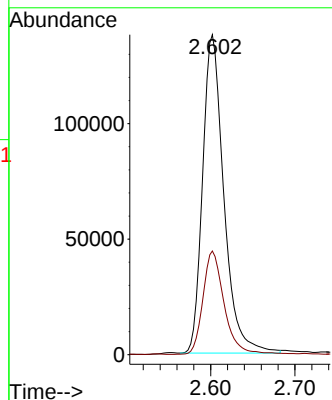
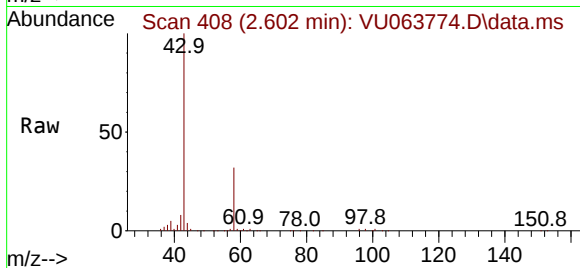
VSTD050117

Tgt Ion: 43 Resp: 242092

Ion Ratio Lower Upper

43 100

58 32.0 0.0 63.4



#14

Carbon disulfide

Concen: 47.810 ug/L

RT: 2.766 min Scan# 459

Delta R.T. 0.000 min

Lab File: VU063774.D

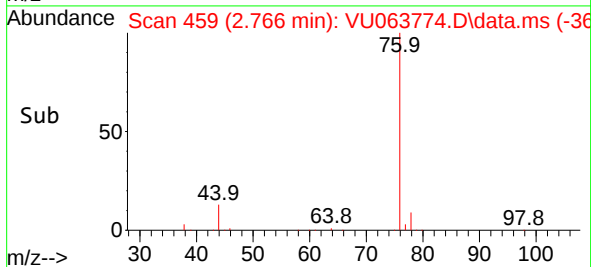
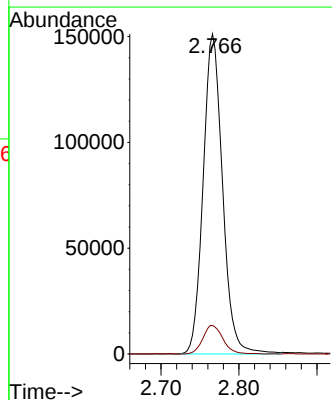
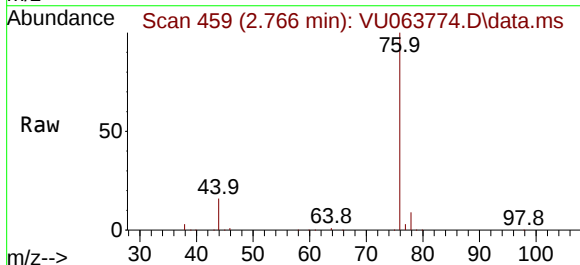
Acq: 24 Nov 2025 13:10

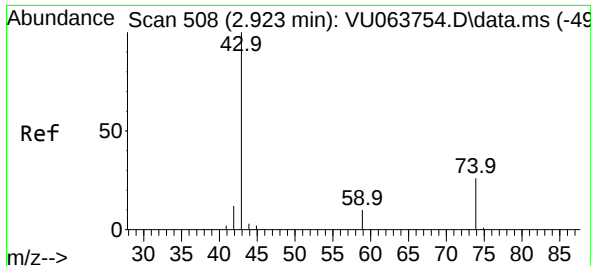
Tgt Ion: 76 Resp: 261406

Ion Ratio Lower Upper

76 100

78 8.9 7.8 11.6

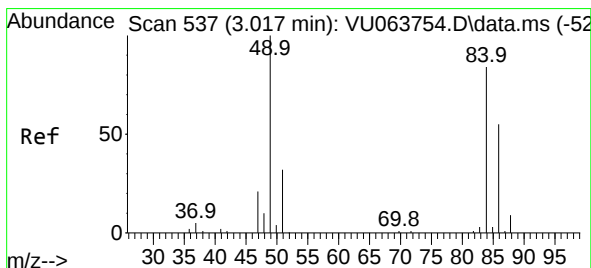
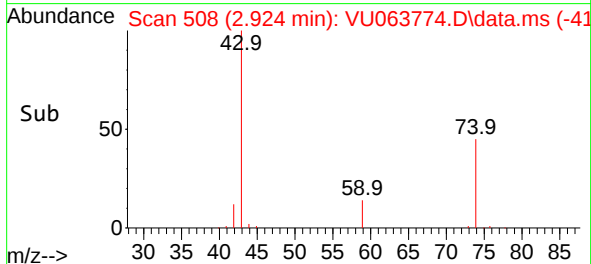
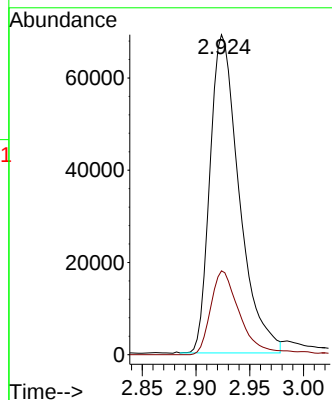
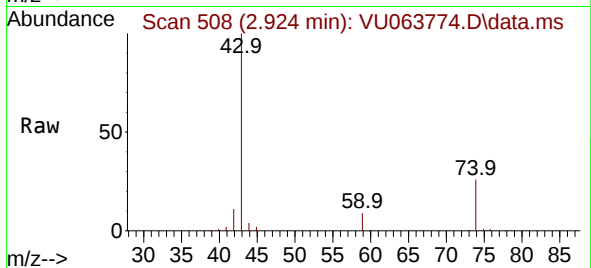




#15
Methyl Acetate
Concen: 50.783 ug/L
RT: 2.924 min Scan# 508
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

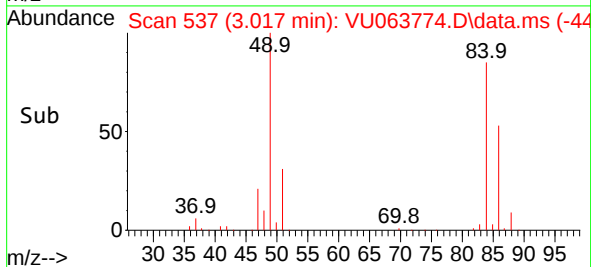
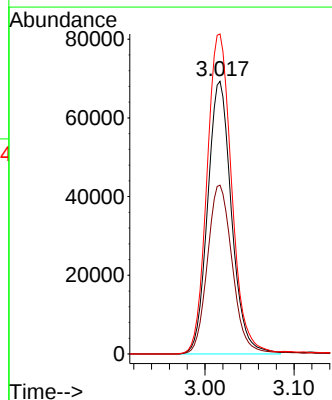
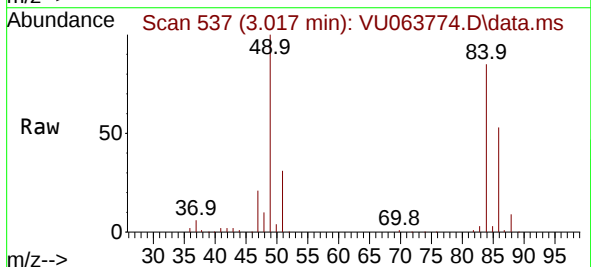
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

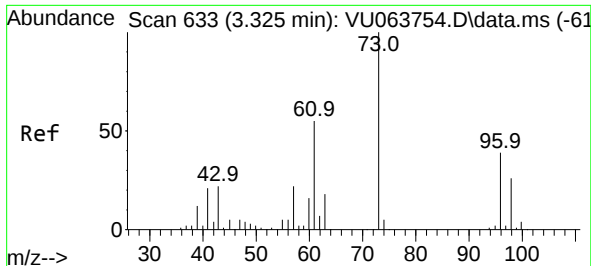
Tgt Ion: 43 Resp: 130648
Ion Ratio Lower Upper
43 100
74 26.2 20.5 30.7



#16
Methylene chloride
Concen: 52.751 ug/L
RT: 3.017 min Scan# 537
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Tgt Ion: 84 Resp: 129081
Ion Ratio Lower Upper
84 100
86 61.9 45.2 84.0
49 117.3 83.6 155.2

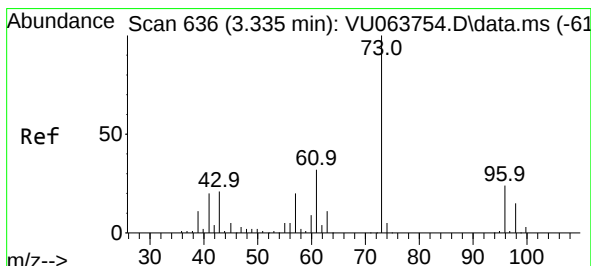
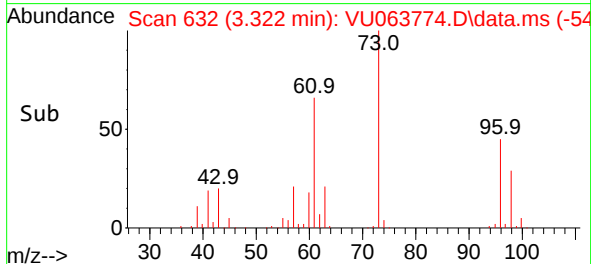
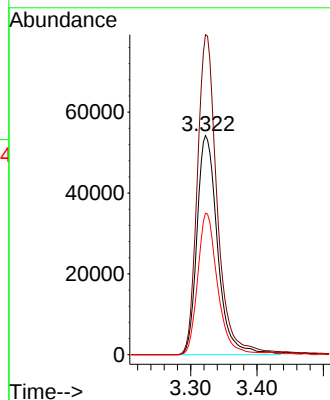
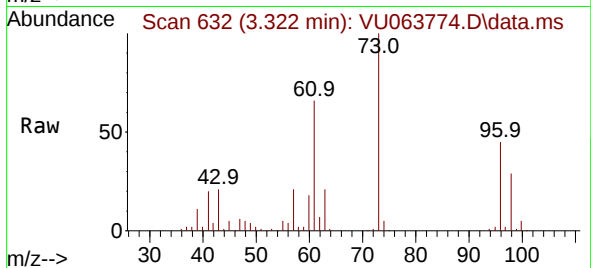




#17
trans-1,2-Dichloroethene
Concen: 52.294 ug/L
RT: 3.322 min Scan# 611
Delta R.T. -0.003 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

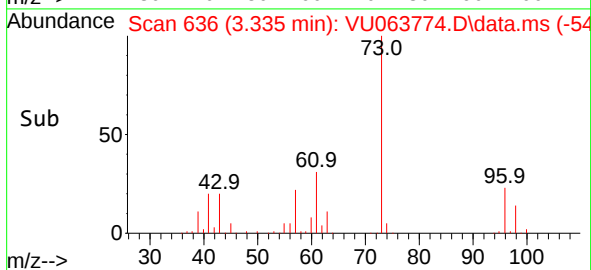
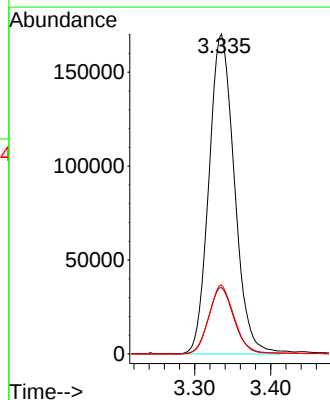
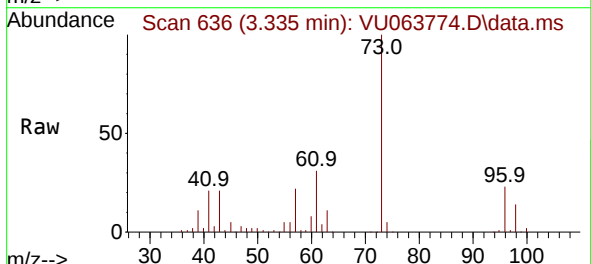
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

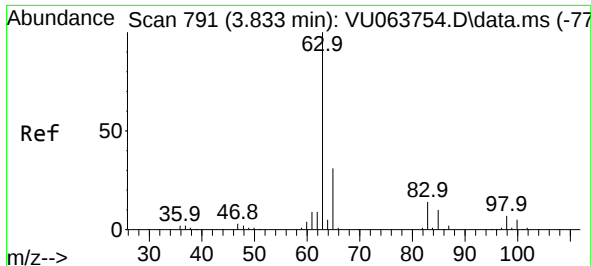
Tgt Ion: 96 Resp: 117030
Ion Ratio Lower Upper
96 100
61 146.1 92.7 172.1
98 64.6 43.2 80.2



#18
Methyl tert-butyl Ether
Concen: 52.360 ug/L
RT: 3.335 min Scan# 636
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Tgt Ion: 73 Resp: 396572
Ion Ratio Lower Upper
73 100
43 20.9 16.6 24.8
57 21.5 16.3 24.5





#19

1,1-Dichloroethane

Concen: 53.187 ug/L

RT: 3.834 min Scan# 791

Delta R.T. 0.000 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD050117

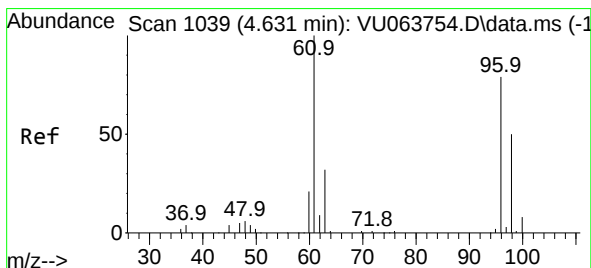
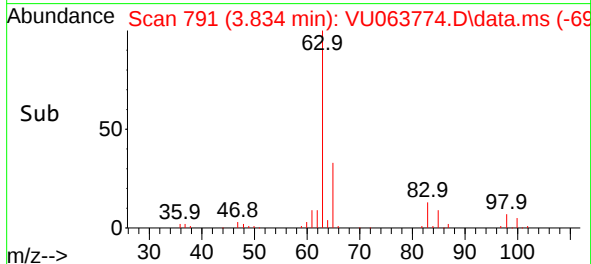
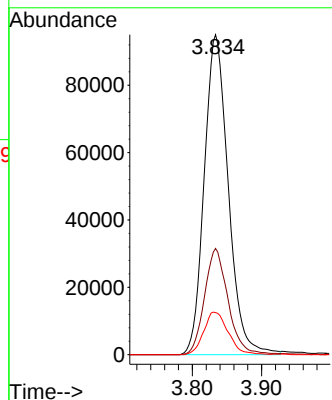
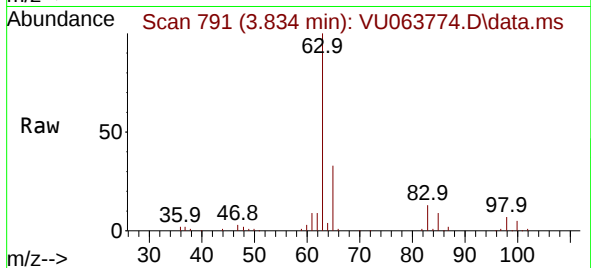
Tgt Ion: 63 Resp: 229360

Ion Ratio Lower Upper

63 100

65 33.2 22.0 41.0

83 13.1 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 53.612 ug/L

RT: 4.634 min Scan# 1040

Delta R.T. 0.003 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

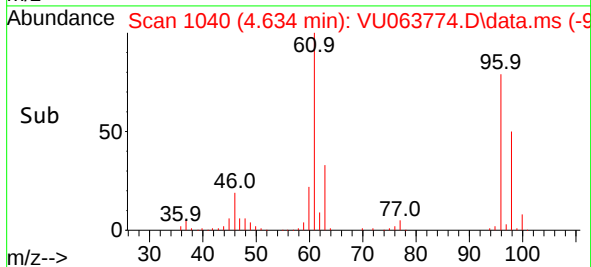
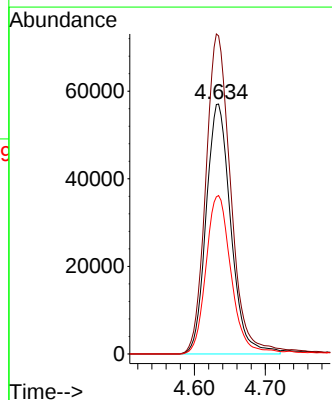
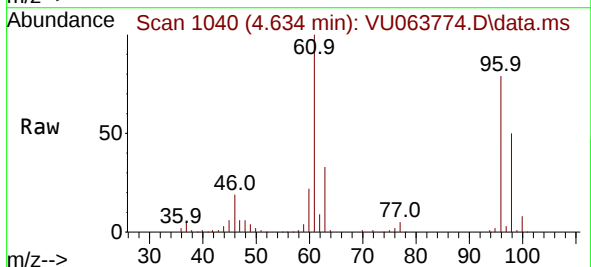
Tgt Ion: 96 Resp: 138105

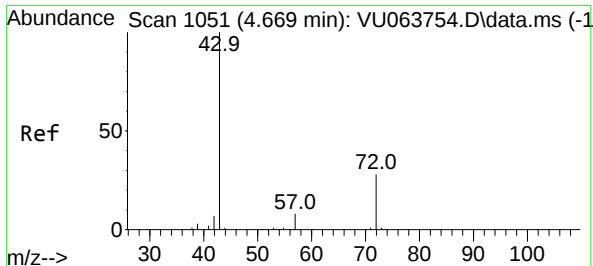
Ion Ratio Lower Upper

96 100

61 127.3 90.3 167.7

98 63.4 46.3 86.1





#22

2-Butanone

Concen: 100.075 ug/L

RT: 4.669 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

Instrument :

MSVOA_U

ClientSampleId :

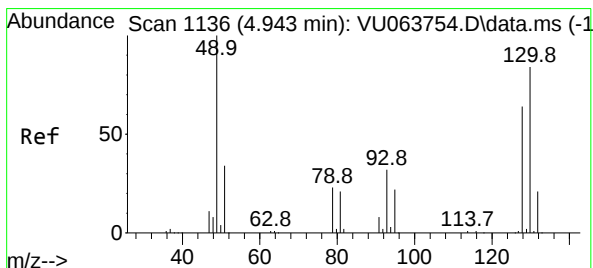
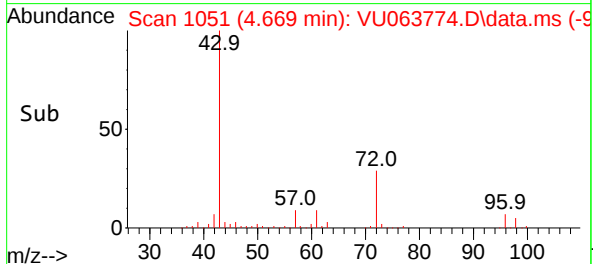
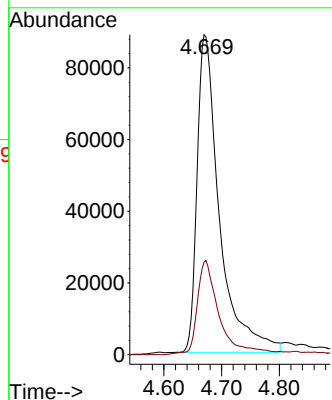
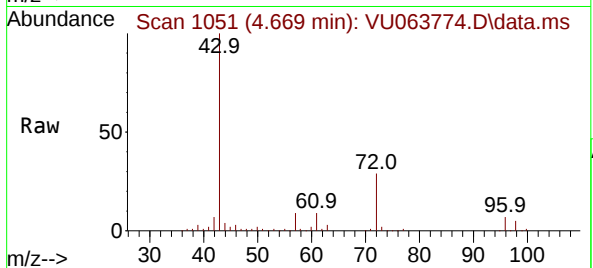
VSTD050117

Tgt Ion: 43 Resp: 238195

Ion Ratio Lower Upper

43 100

72 25.5 13.6 40.7



#23

Bromochloromethane

Concen: 53.940 ug/L

RT: 4.940 min Scan# 1135

Delta R.T. -0.003 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

Tgt Ion:128 Resp: 71438

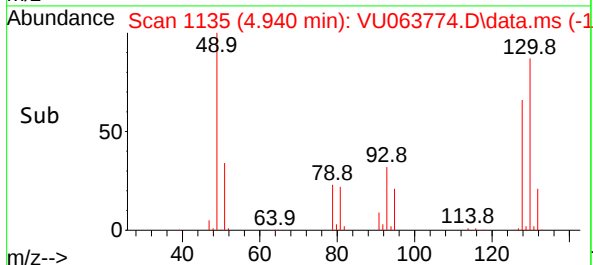
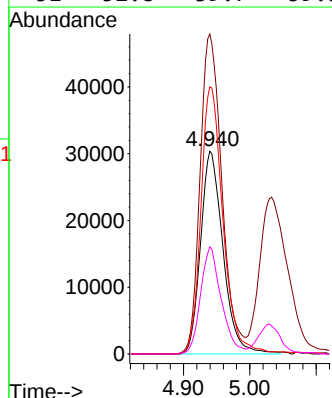
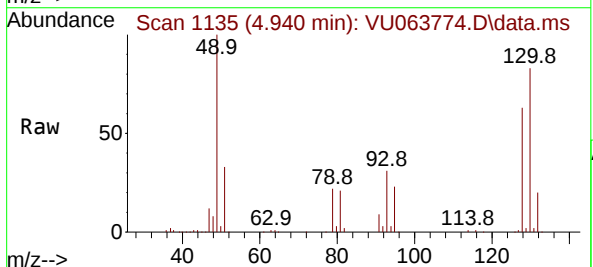
Ion Ratio Lower Upper

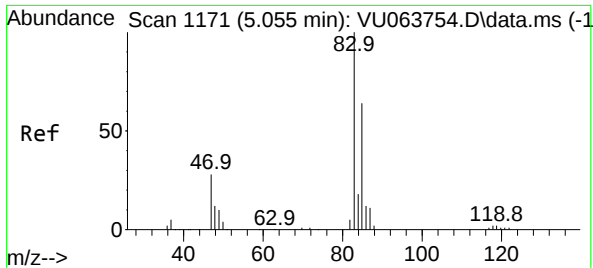
128 100

49 157.9 113.5 210.7

130 131.8 89.8 166.8

51 52.8 39.7 59.5

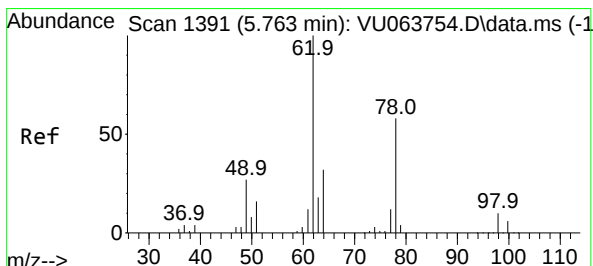
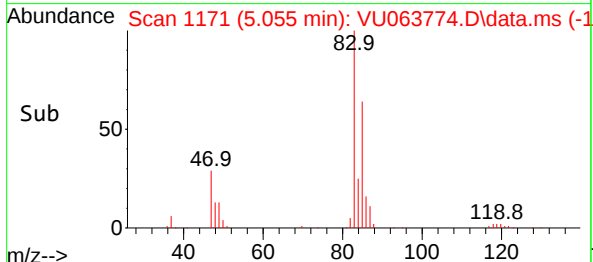
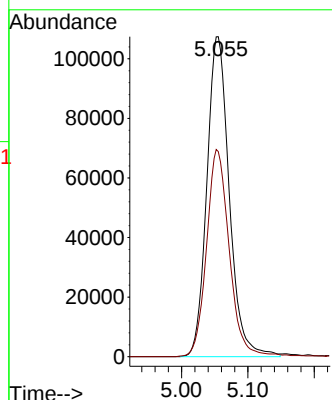
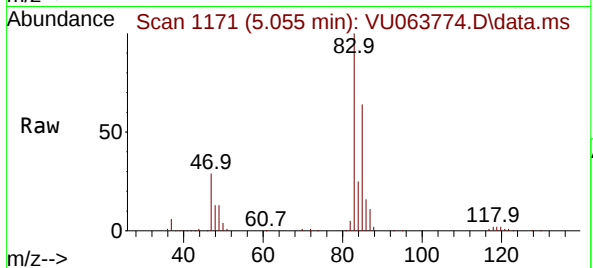




#25
Chloroform
Concen: 54.009 ug/L
RT: 5.055 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

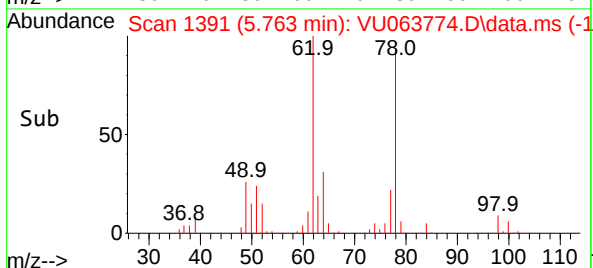
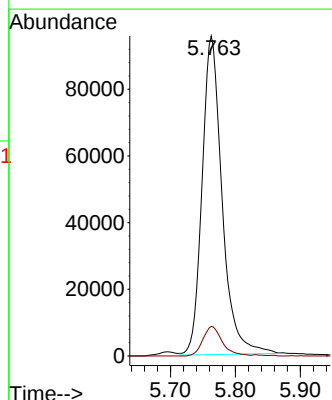
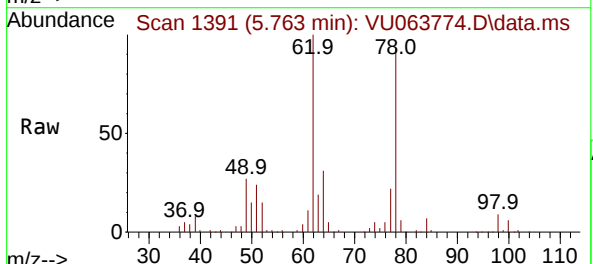
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

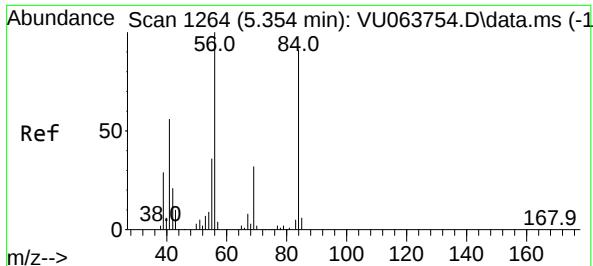
Tgt Ion: 83 Resp: 252105
Ion Ratio Lower Upper
83 100
85 64.1 45.4 84.4



#27
1,2-Dichloroethane
Concen: 53.881 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Tgt Ion: 62 Resp: 205317
Ion Ratio Lower Upper
62 100
98 9.3 7.6 11.4





#29

Cyclohexane

Concen: 51.479 ug/L

RT: 5.354 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD050117

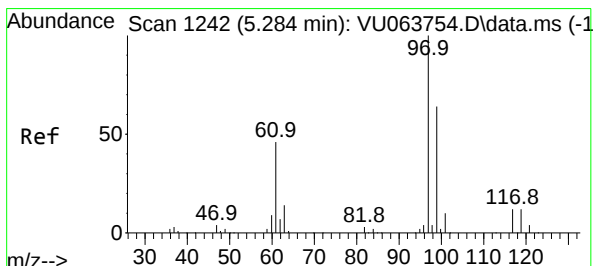
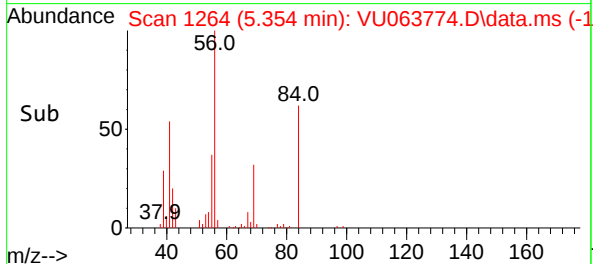
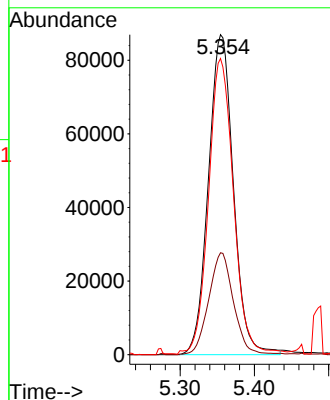
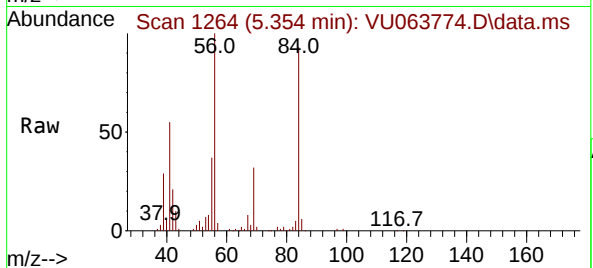
Tgt Ion: 56 Resp: 203425

Ion Ratio Lower Upper

56 100

69 31.5 25.8 38.8

84 89.3 69.3 103.9



#30

1,1,1-Trichloroethane

Concen: 51.987 ug/L

RT: 5.284 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

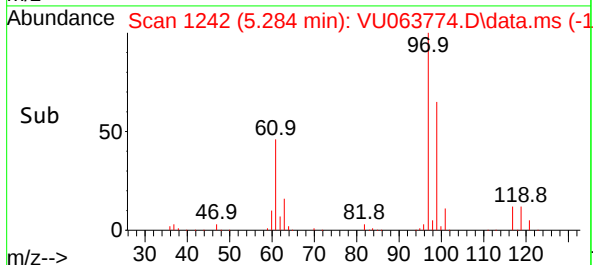
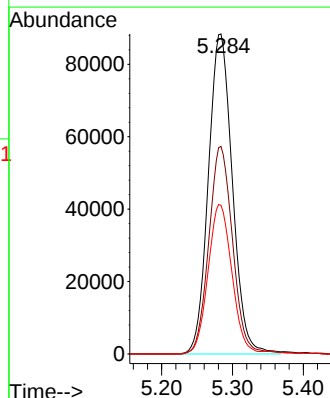
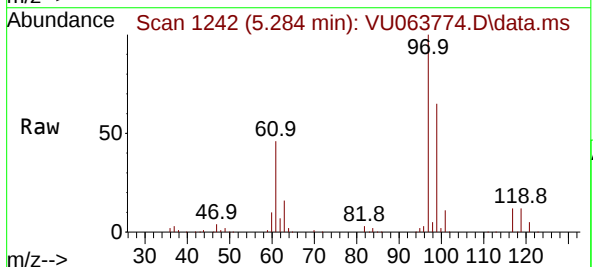
Tgt Ion: 97 Resp: 208493

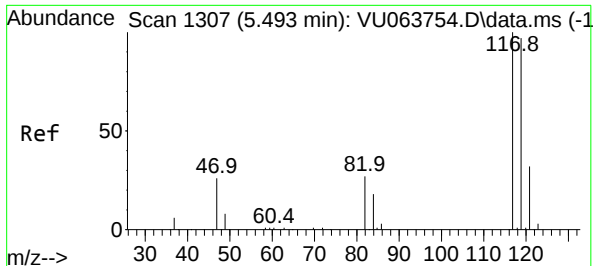
Ion Ratio Lower Upper

97 100

99 64.2 50.7 76.1

61 46.3 37.2 55.8

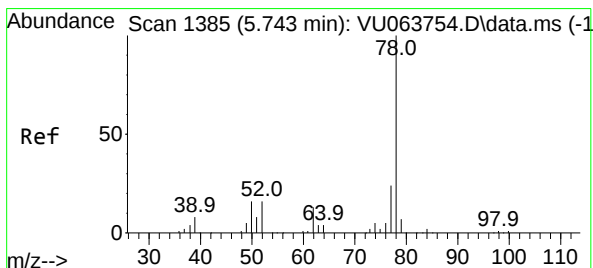
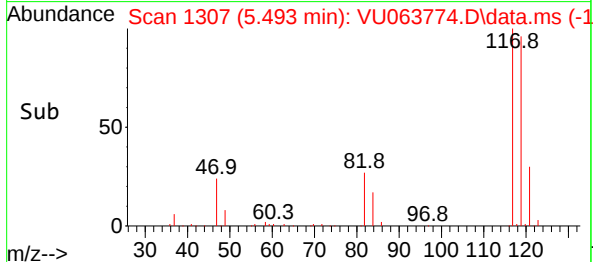
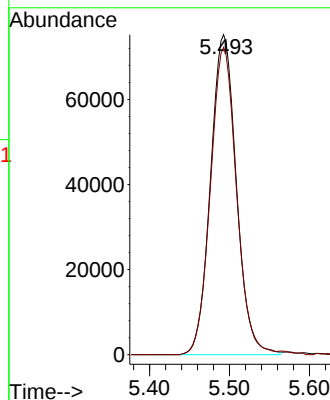
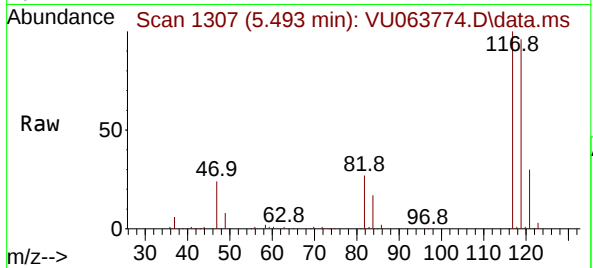




#31
Carbon tetrachloride
Concen: 53.626 ug/L
RT: 5.493 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

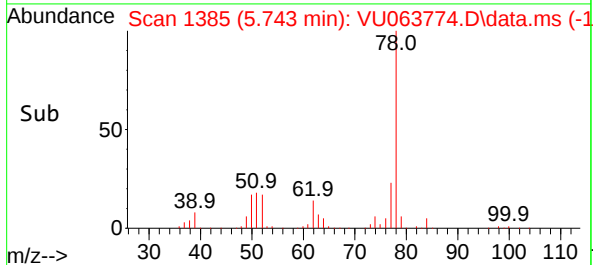
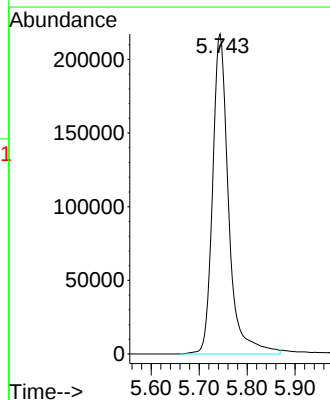
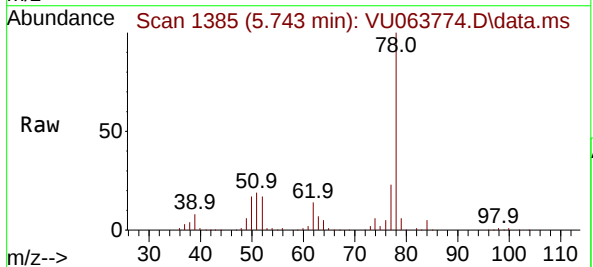
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

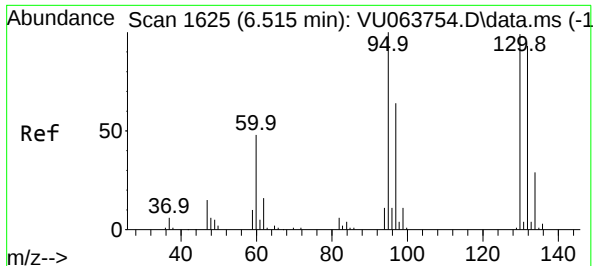
Tgt Ion:117 Resp: 169111
Ion Ratio Lower Upper
117 100
119 96.6 76.0 114.0



#33
Benzene
Concen: 52.649 ug/L
RT: 5.743 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Tgt Ion: 78 Resp: 504334



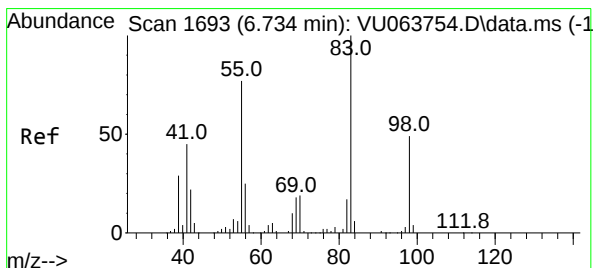
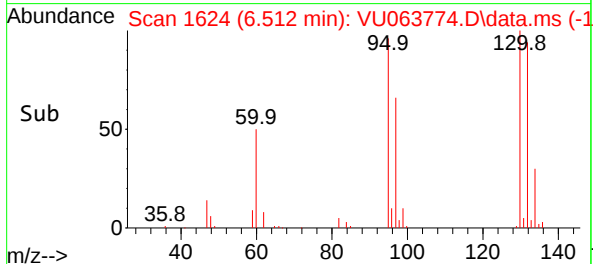
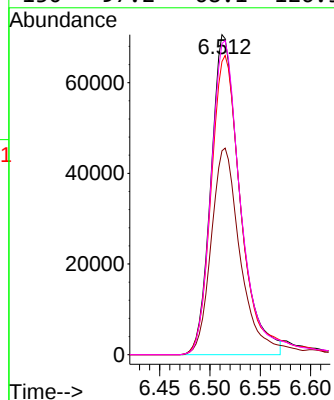
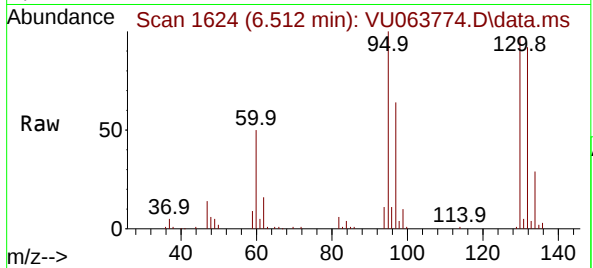


#34
Trichloroethene
Concen: 51.002 ug/L
RT: 6.512 min Scan# 1625
Delta R.T. -0.003 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

Tgt Ion: 95 Resp: 140845

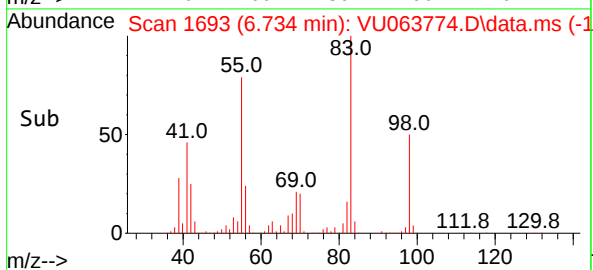
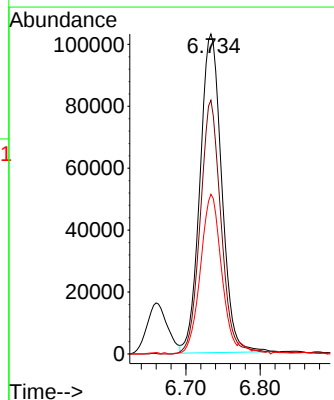
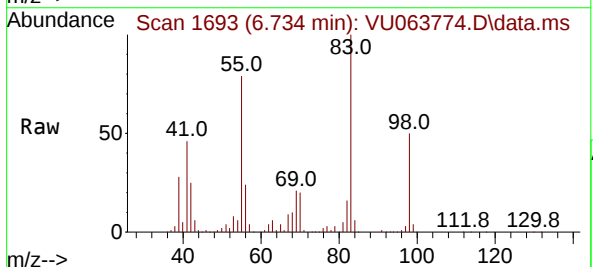
Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.1	83.9
132	91.6	68.3	126.8
130	97.2	68.1	126.5

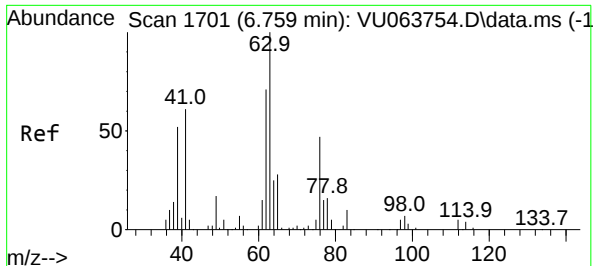


#35
Methylcyclohexane
Concen: 51.661 ug/L
RT: 6.734 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Tgt Ion: 83 Resp: 209425

Ion	Ratio	Lower	Upper
83	100		
55	76.1	60.9	91.3
98	48.0	39.7	59.5





#37

1,2-Dichloropropane

Concen: 54.125 ug/L

RT: 6.763 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

Instrument :

MSVOA_U

ClientSampleId :

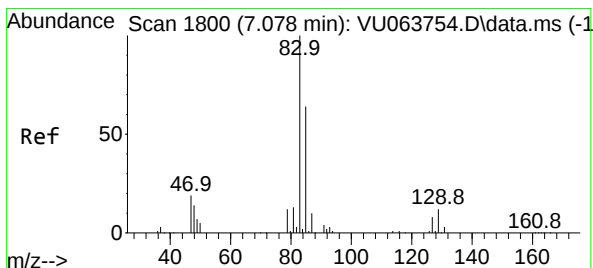
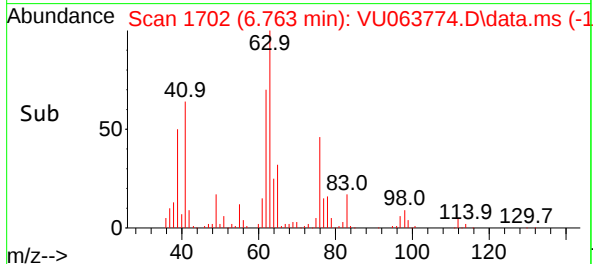
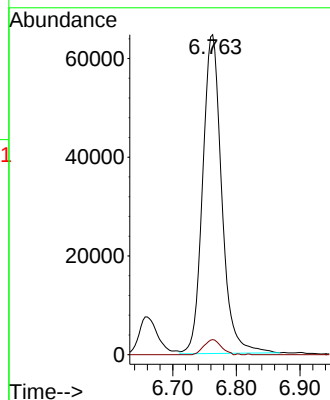
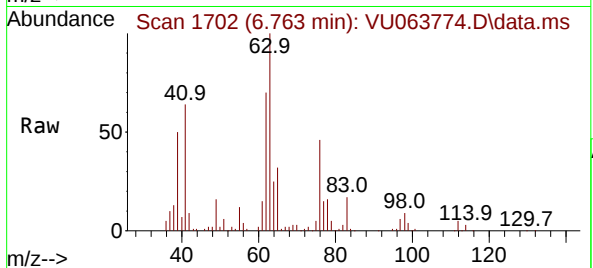
VSTD050117

Tgt Ion: 63 Resp: 134740

Ion Ratio Lower Upper

63 100

112 4.3 3.7 5.5



#38

Bromodichloromethane

Concen: 53.061 ug/L

RT: 7.078 min Scan# 1800

Delta R.T. 0.000 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

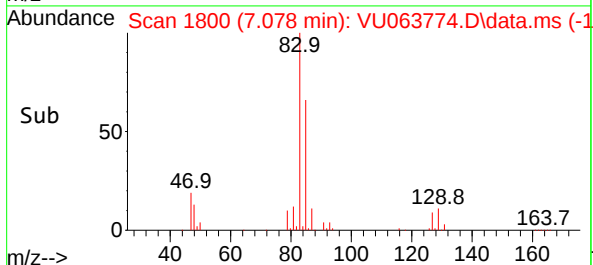
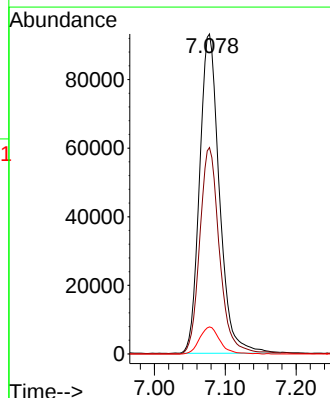
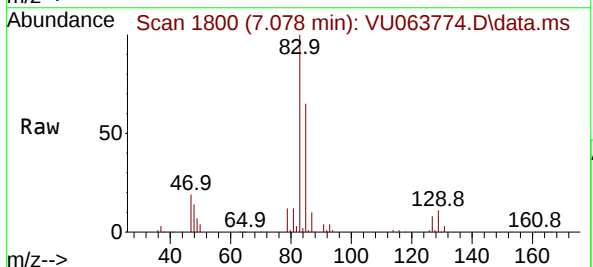
Tgt Ion: 83 Resp: 180882

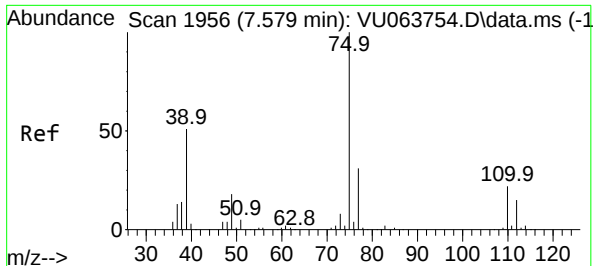
Ion Ratio Lower Upper

83 100

85 64.5 43.1 80.1

127 9.2 6.6 10.0

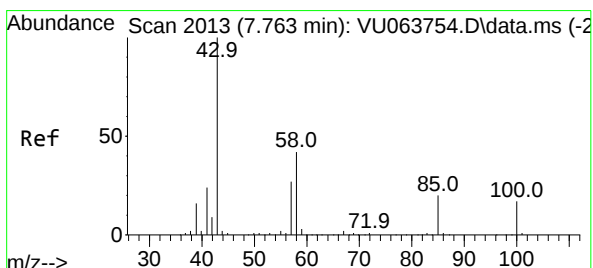
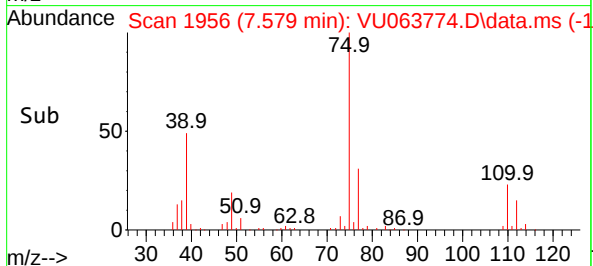
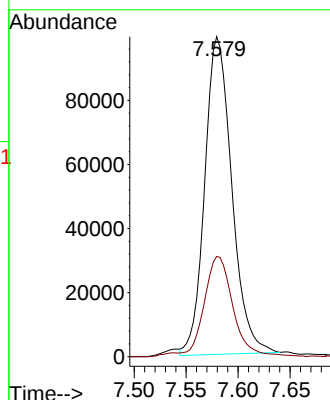
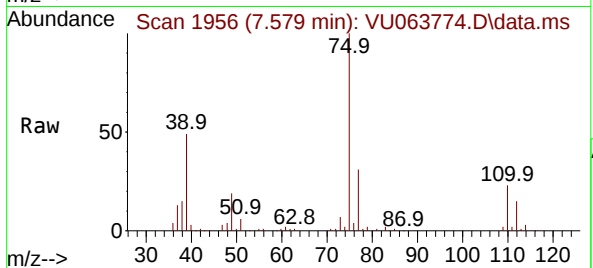




#39
cis-1,3-Dichloropropene
Concen: 48.706 ug/L
RT: 7.579 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

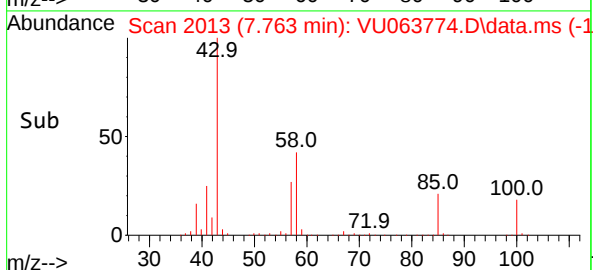
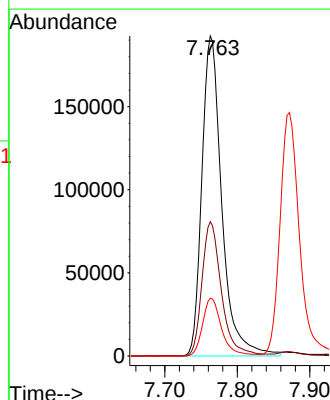
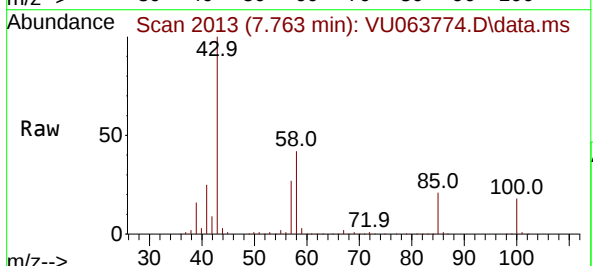
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

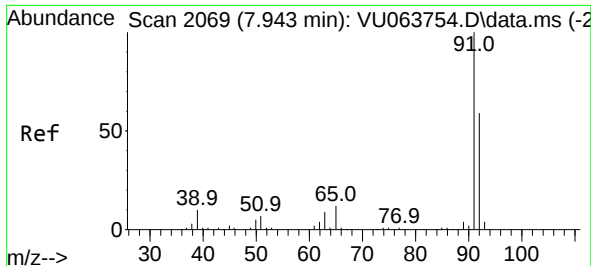
Tgt Ion: 75 Resp: 179817
Ion Ratio Lower Upper
75 100
77 31.4 22.1 41.1



#40
4-Methyl-2-pentanone
Concen: 102.178 ug/L
RT: 7.763 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Tgt Ion: 43 Resp: 368186
Ion Ratio Lower Upper
43 100
58 40.8 32.9 49.3
100 17.1 13.9 20.9





#42

Toluene

Concen: 52.641 ug/L

RT: 7.943 min Scan# 2069

Delta R.T. 0.000 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

Instrument :

MSVOA_U

ClientSampleId :

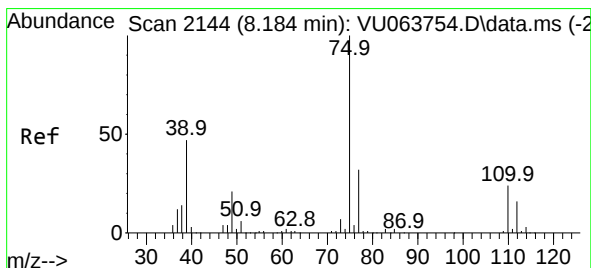
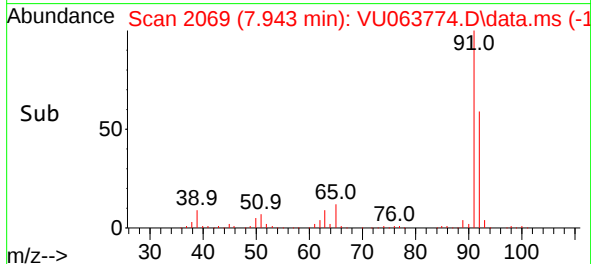
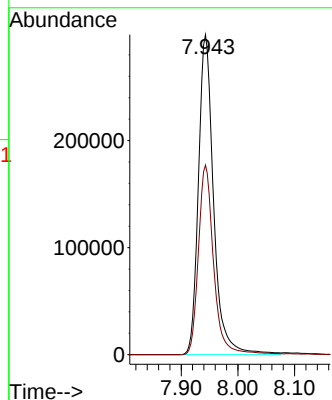
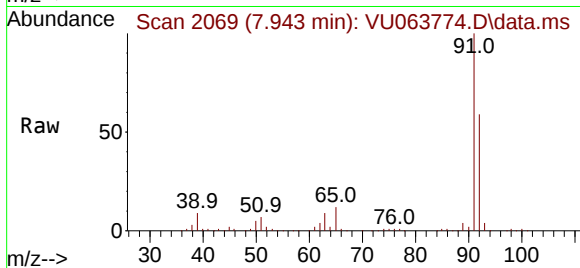
VSTD050117

Tgt Ion: 91 Resp: 556704

Ion Ratio Lower Upper

91 100

92 59.3 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 50.238 ug/L

RT: 8.184 min Scan# 2144

Delta R.T. 0.000 min

Lab File: VU063774.D

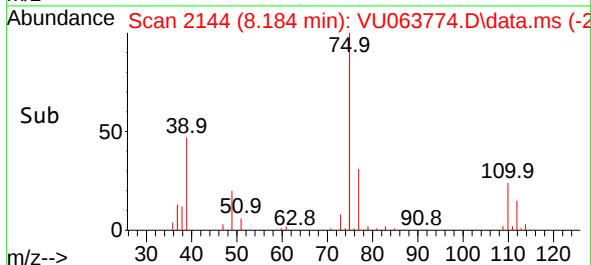
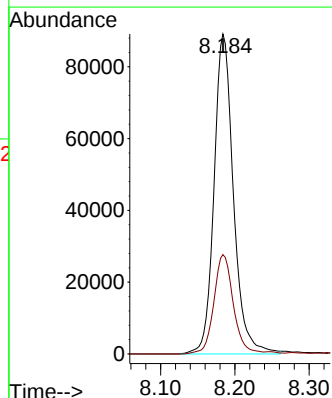
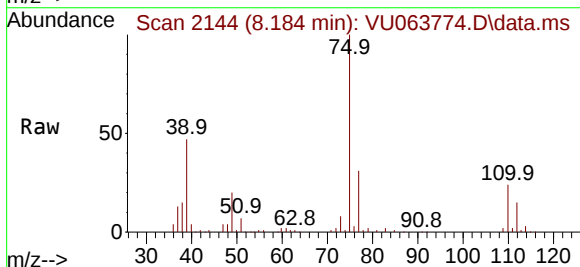
Acq: 24 Nov 2025 13:10

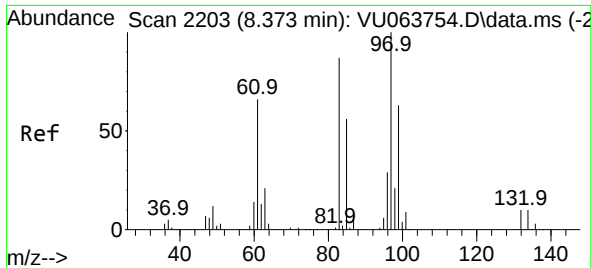
Tgt Ion: 75 Resp: 161904

Ion Ratio Lower Upper

75 100

77 31.1 21.4 39.8



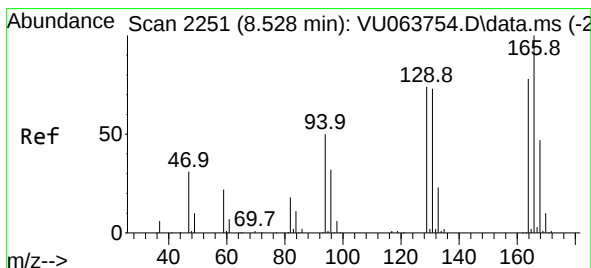
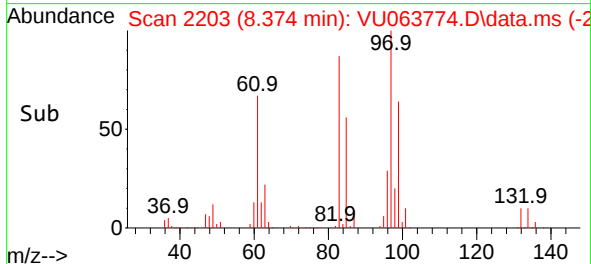
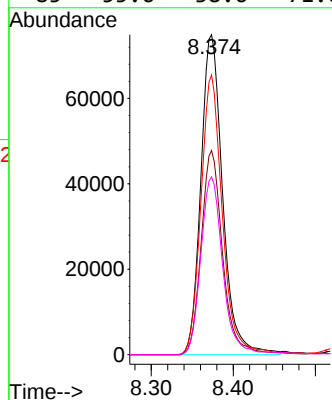
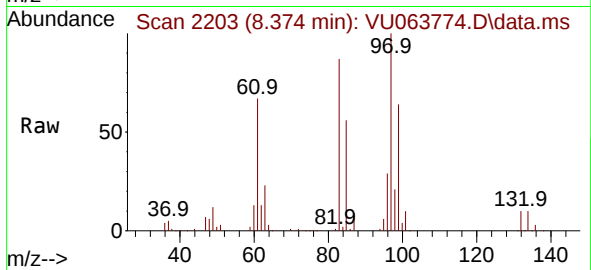


#45
1,1,2-Trichloroethane
Concen: 52.577 ug/L
RT: 8.374 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

Tgt Ion: 97 Resp: 138421

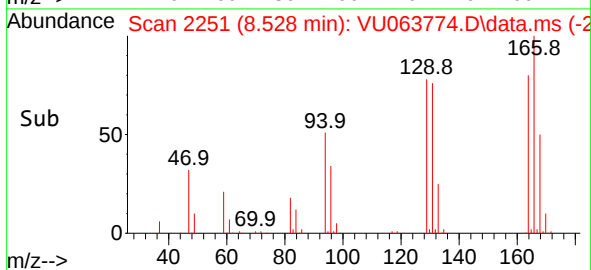
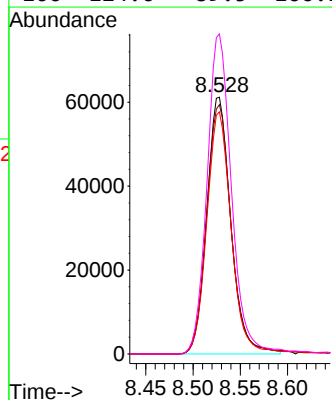
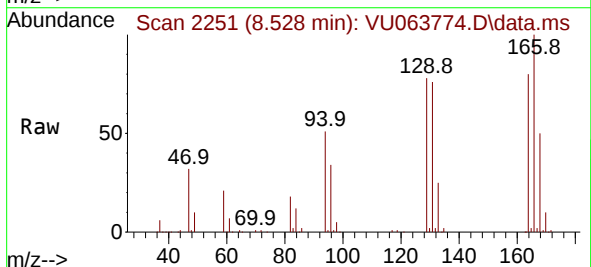
Ion	Ratio	Lower	Upper
97	100		
99	63.8	43.7	81.1
83	87.4	59.7	110.9
85	55.6	38.6	71.6

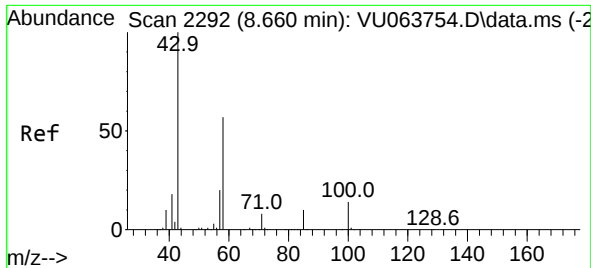


#46
Tetrachloroethene
Concen: 51.510 ug/L
RT: 8.528 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Tgt Ion: 164 Resp: 108781

Ion	Ratio	Lower	Upper
164	100		
129	97.1	68.5	127.3
131	94.3	64.3	119.3
166	124.6	89.5	166.1



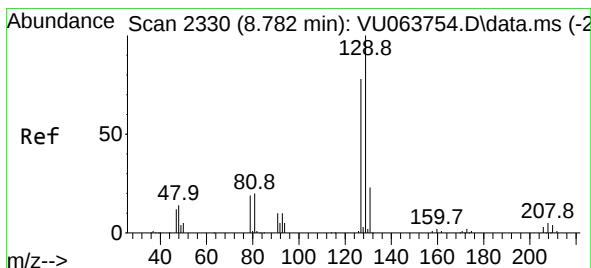
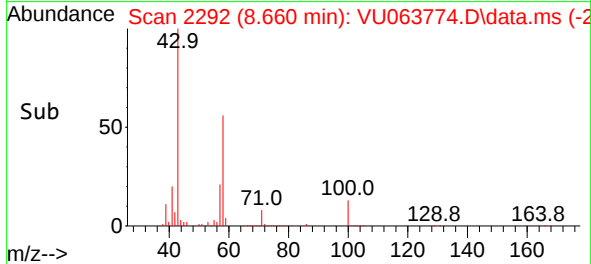
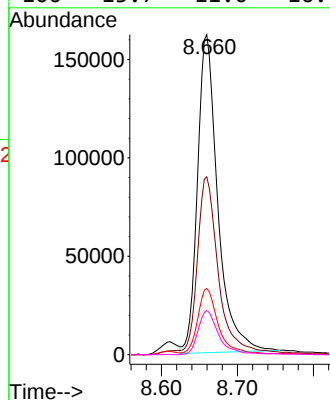
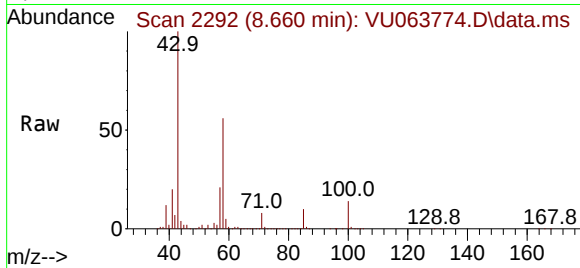


#48
2-Hexanone
Concen: 105.997 ug/L
RT: 8.660 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

Tgt Ion: 43 Resp: 299786

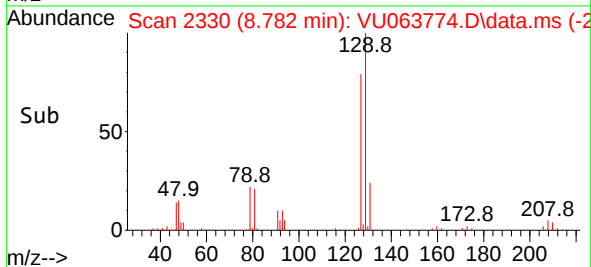
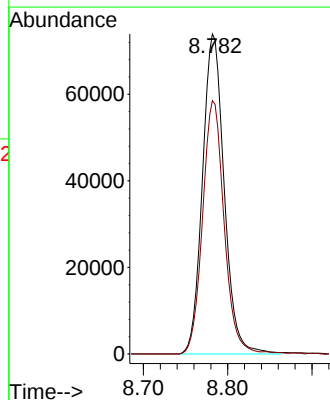
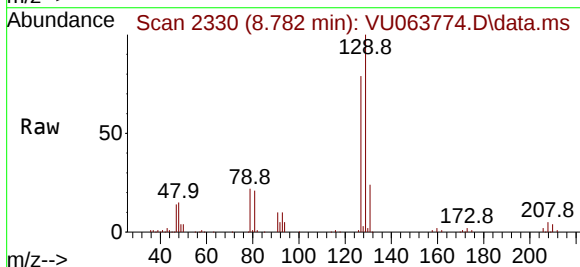
Ion	Ratio	Lower	Upper
43	100		
58	56.6	44.8	67.2
57	19.8	16.6	24.8
100	13.7	11.0	16.4

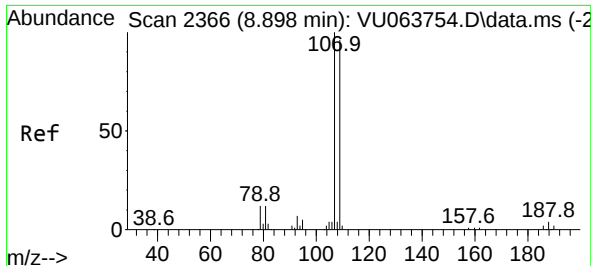


#49
Dibromochloromethane
Concen: 52.191 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Tgt Ion: 129 Resp: 132695

Ion	Ratio	Lower	Upper
129	100		
127	79.2	53.4	99.2





#50

1,2-Dibromoethane

Concen: 51.444 ug/L

RT: 8.898 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD050117

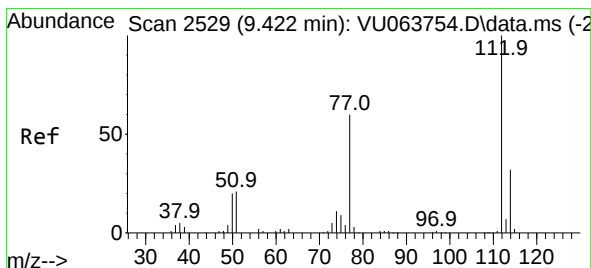
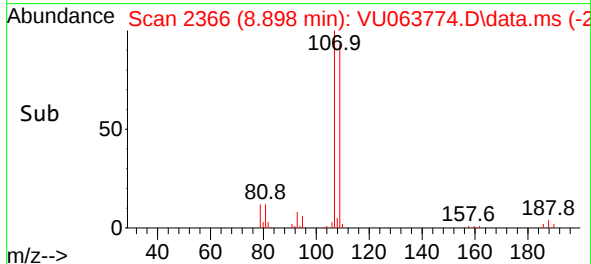
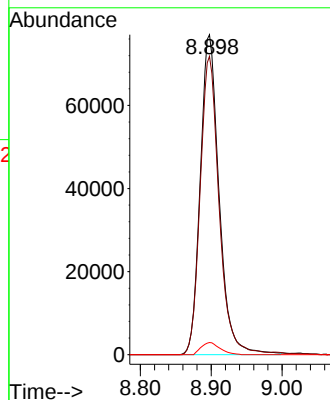
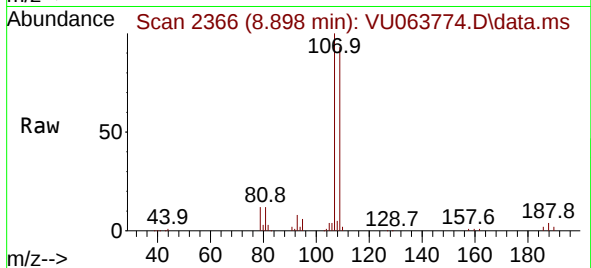
Tgt Ion:107 Resp: 142165

Ion Ratio Lower Upper

107 100

109 93.2 65.8 122.2

188 3.8 3.2 4.8



#51

Chlorobenzene

Concen: 52.111 ug/L

RT: 9.422 min Scan# 2529

Delta R.T. 0.000 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

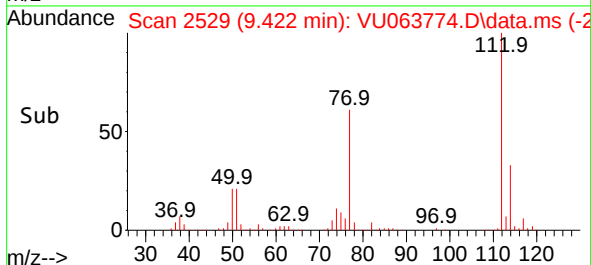
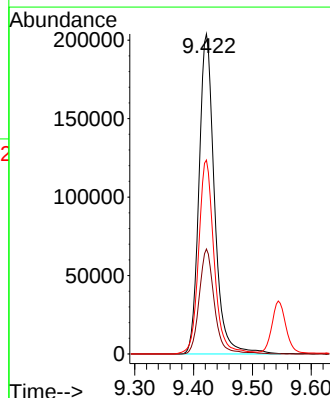
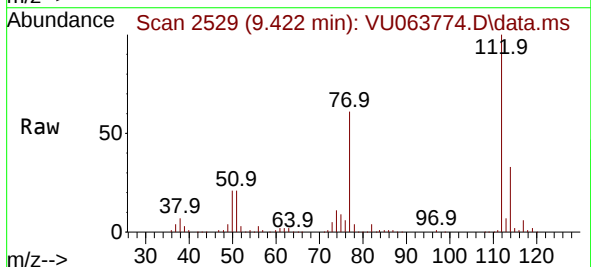
Tgt Ion:112 Resp: 371901

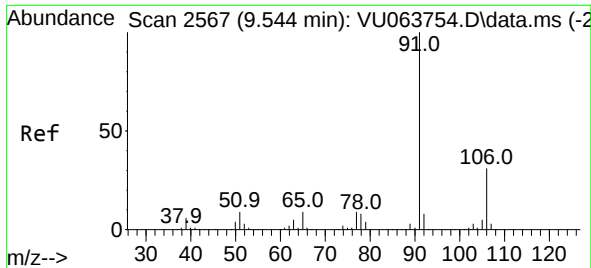
Ion Ratio Lower Upper

112 100

114 32.8 22.1 41.1

77 60.6 48.0 72.0

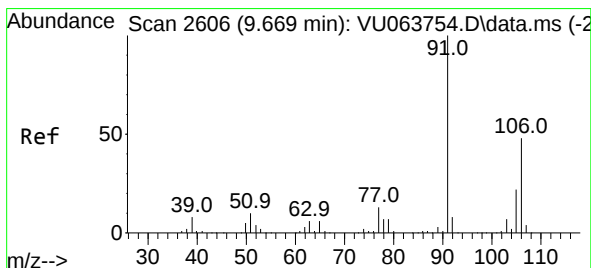
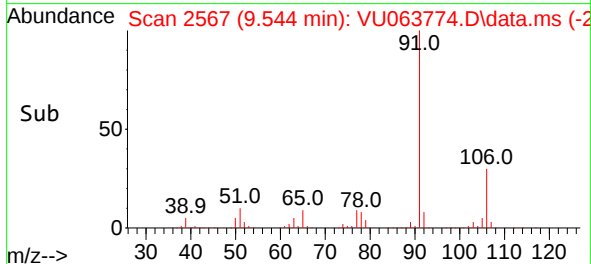
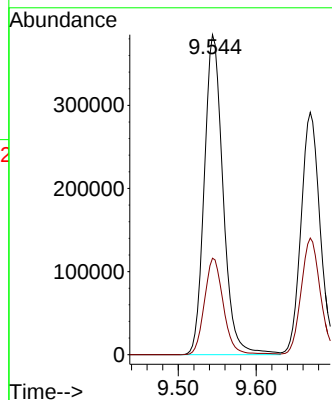
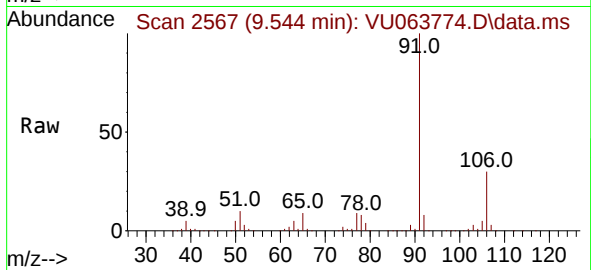




#52
Ethylbenzene
Concen: 52.415 ug/L
RT: 9.544 min Scan# 2567
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

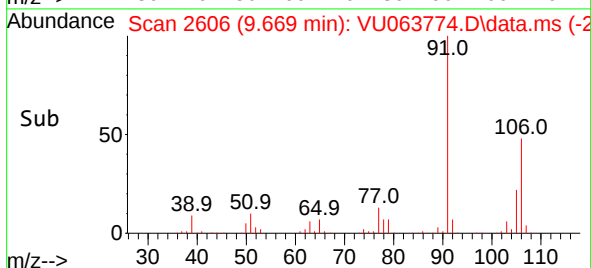
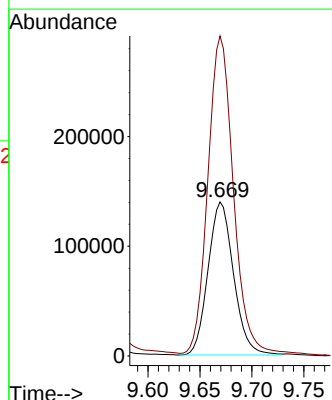
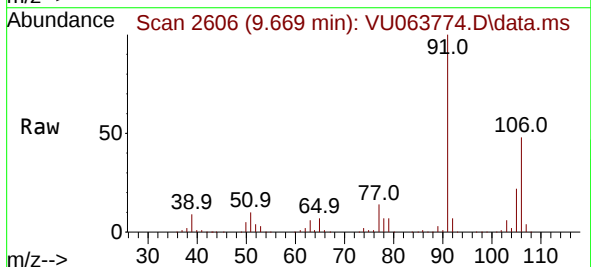
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

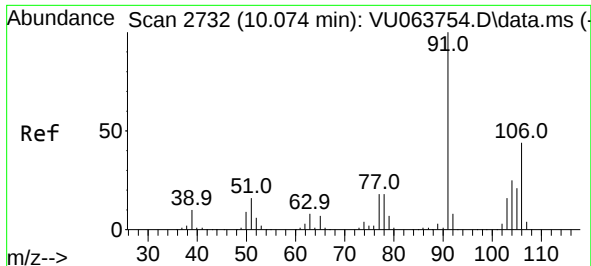
Tgt Ion: 91 Resp: 643637
Ion Ratio Lower Upper
91 100
106 30.2 21.3 39.6



#53
m,p-Xylene
Concen: 51.006 ug/L
RT: 9.669 min Scan# 2606
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Tgt Ion:106 Resp: 238726
Ion Ratio Lower Upper
106 100
91 207.7 143.6 266.6

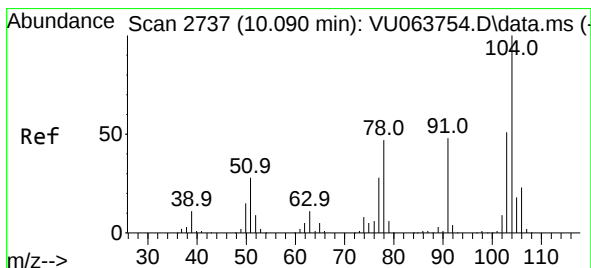
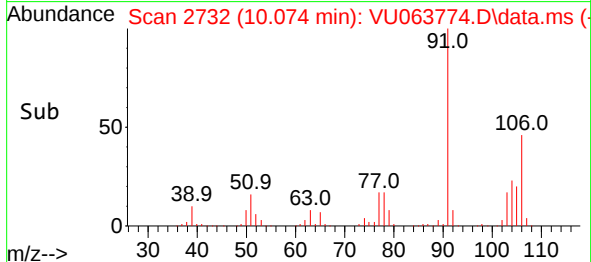
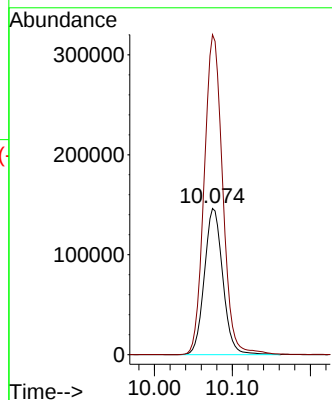
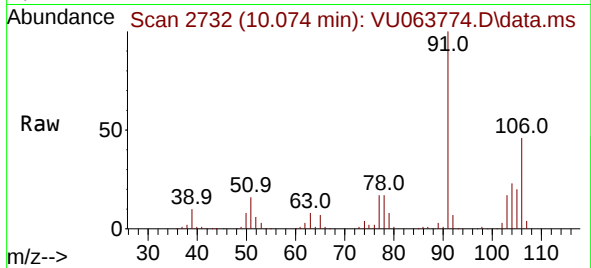




#54
o-Xylene
Concen: 52.745 ug/L
RT: 10.074 min Scan# 2732
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

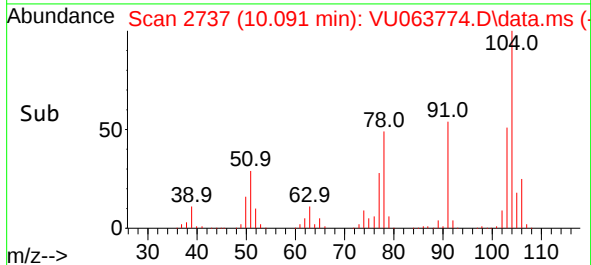
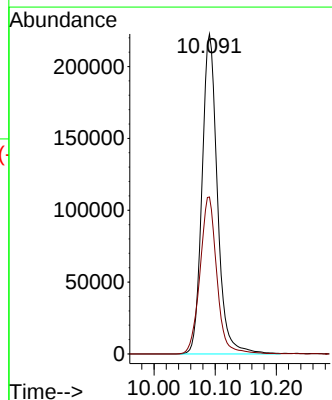
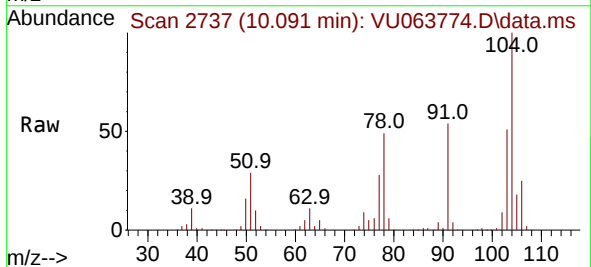
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

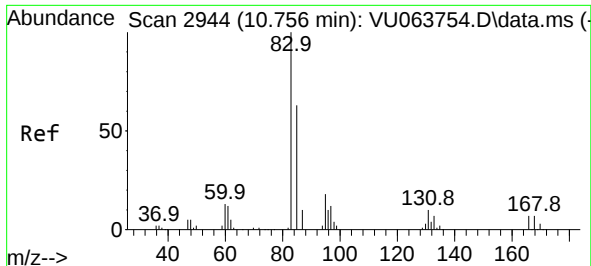
Tgt Ion:106 Resp: 240411
Ion Ratio Lower Upper
106 100
91 218.8 156.0 289.6



#55
Styrene
Concen: 52.738 ug/L
RT: 10.091 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Tgt Ion:104 Resp: 389480
Ion Ratio Lower Upper
104 100
78 49.1 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 50.840 ug/L

RT: 10.756 min Scan# 2944

Delta R.T. 0.000 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD050117

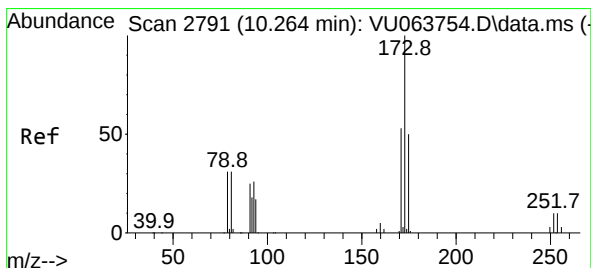
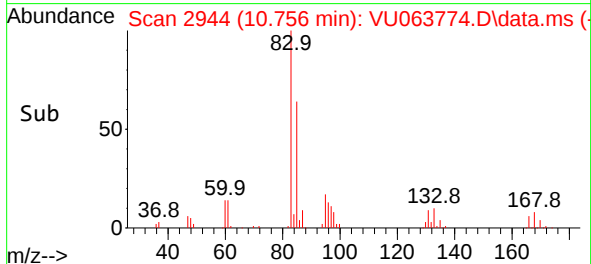
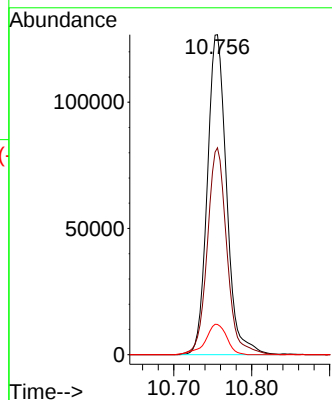
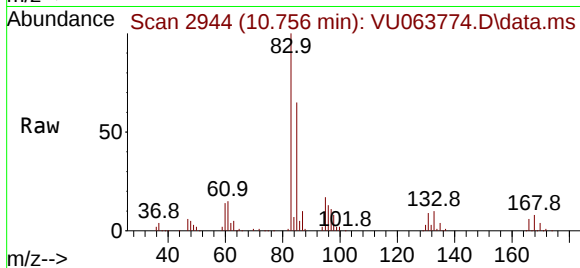
Tgt Ion: 83 Resp: 217999

Ion Ratio Lower Upper

83 100

85 64.6 45.7 84.9

131 9.4 7.4 11.2



#59

Bromoform

Concen: 55.041 ug/L

RT: 10.264 min Scan# 2791

Delta R.T. 0.000 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

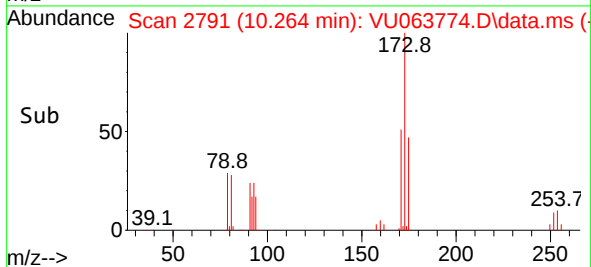
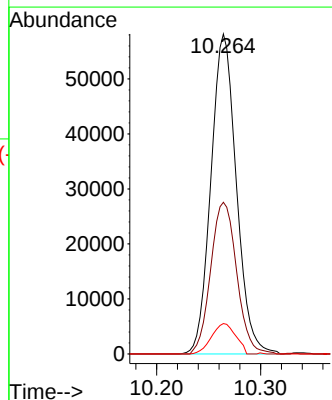
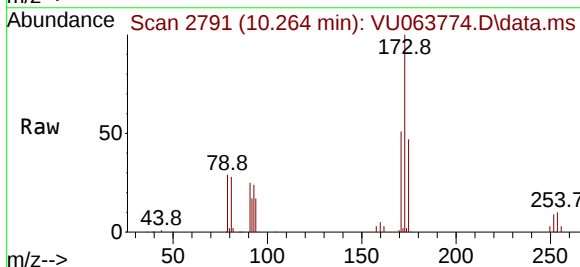
Tgt Ion:173 Resp: 98859

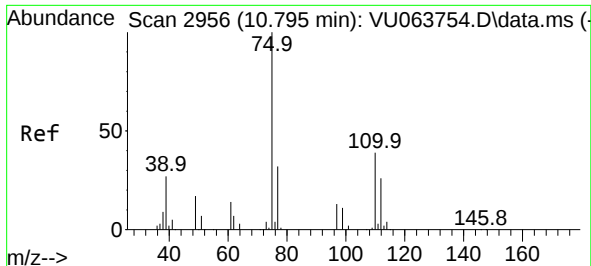
Ion Ratio Lower Upper

173 100

175 48.4 38.2 57.4

254 9.0 6.9 10.3

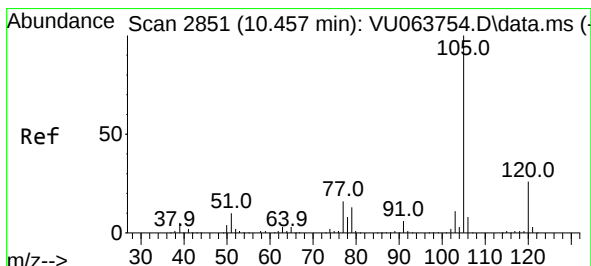
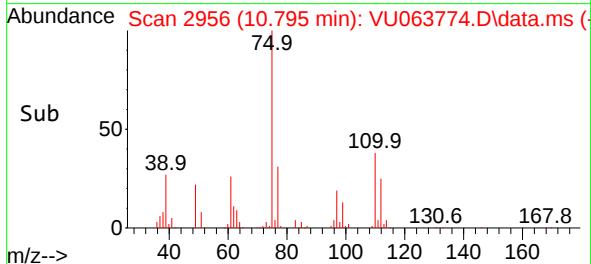
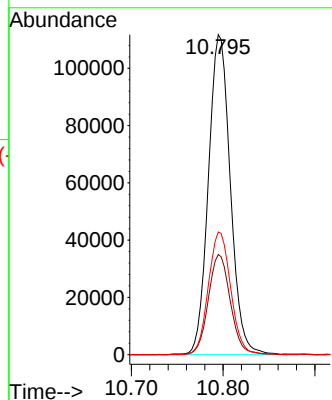
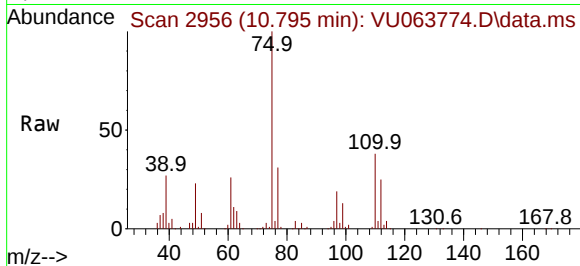




#60
1,2,3-Trichloropropane
Concen: 53.755 ug/L
RT: 10.795 min Scan# 2956
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

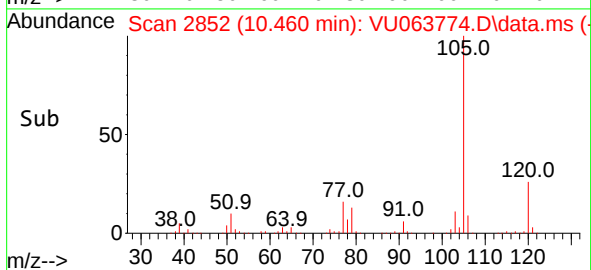
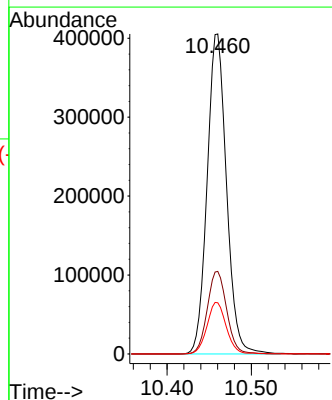
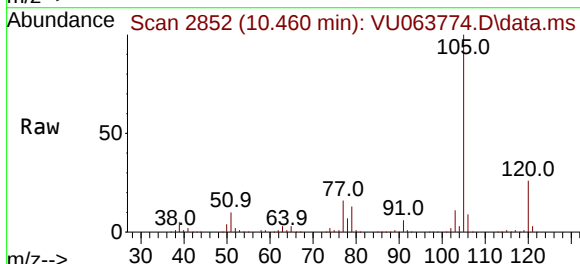
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

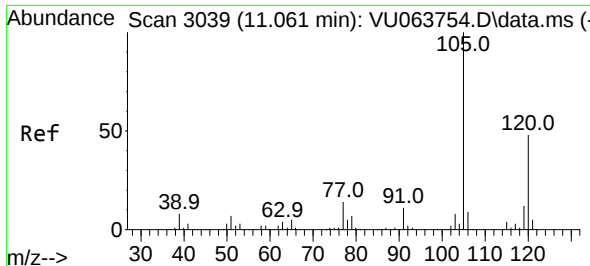
Tgt Ion: 75 Resp: 185559
Ion Ratio Lower Upper
75 100
77 31.7 26.1 39.1
110 39.0 32.3 48.5



#61
Isopropylbenzene
Concen: 54.334 ug/L
RT: 10.460 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Tgt Ion: 105 Resp: 648284
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1
77 16.0 12.9 19.3





#62

1,3,5-Trimethylbenzene

Concen: 54.771 ug/L

RT: 11.062 min Scan# 3039

Delta R.T. 0.000 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

Instrument :

MSVOA_U

ClientSampleId :

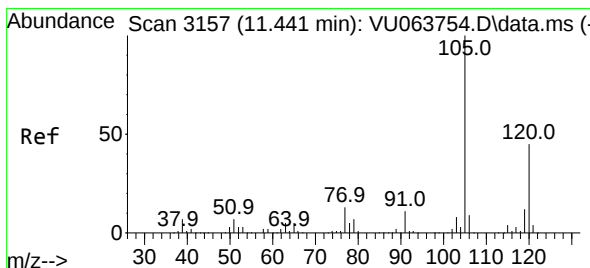
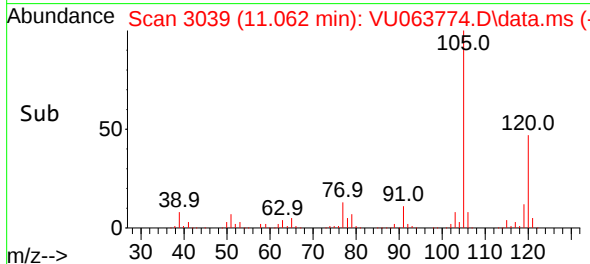
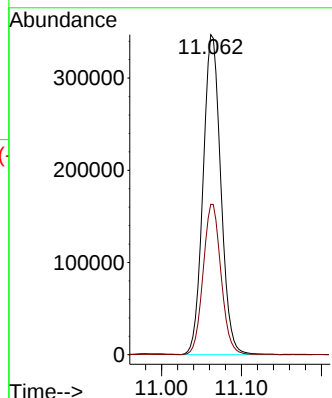
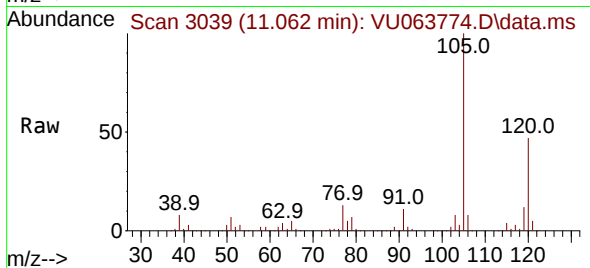
VSTD050117

Tgt Ion:105 Resp: 537554

Ion Ratio Lower Upper

105 100

120 47.4 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 54.119 ug/L

RT: 11.444 min Scan# 3158

Delta R.T. 0.003 min

Lab File: VU063774.D

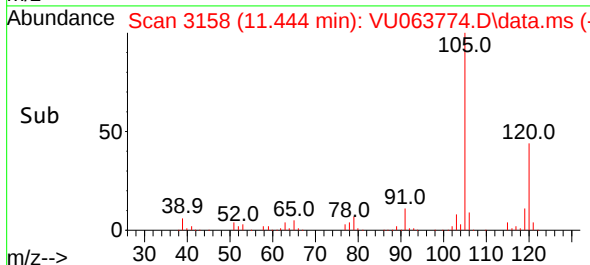
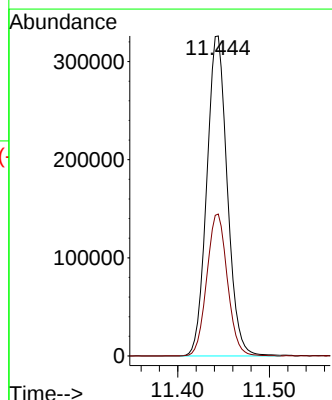
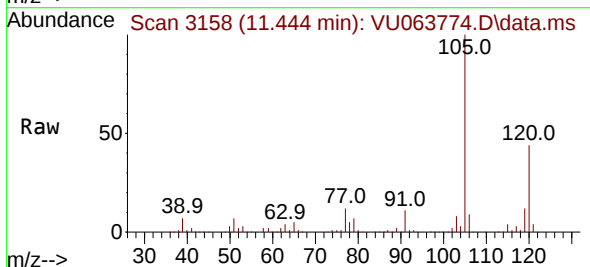
Acq: 24 Nov 2025 13:10

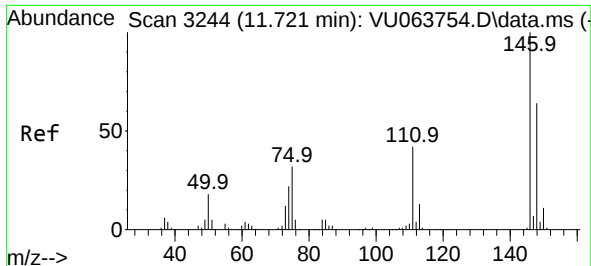
Tgt Ion:105 Resp: 507000

Ion Ratio Lower Upper

105 100

120 44.5 35.6 53.4

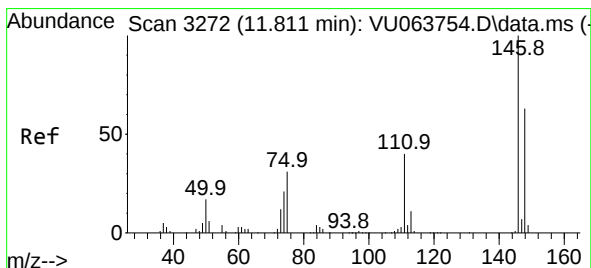
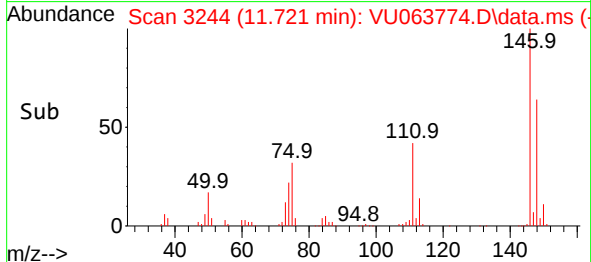
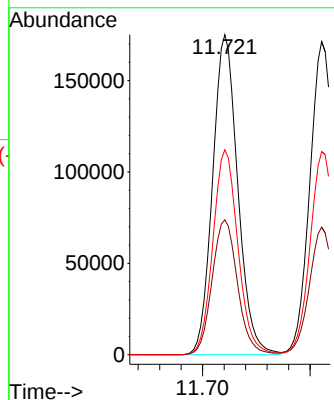
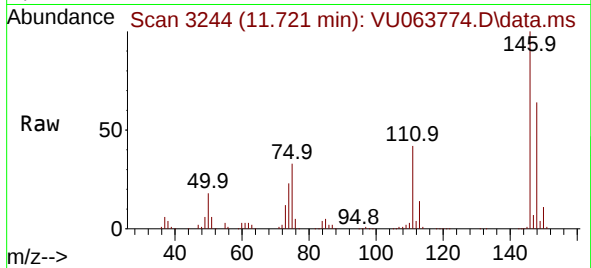




#64
1,3-Dichlorobenzene
Concen: 53.259 ug/L
RT: 11.721 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

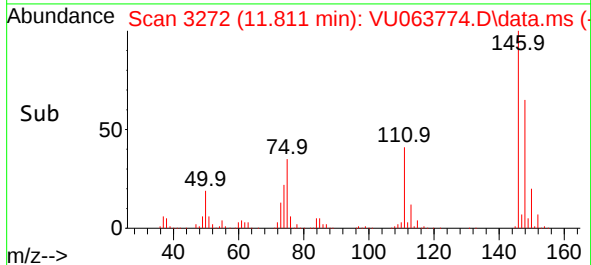
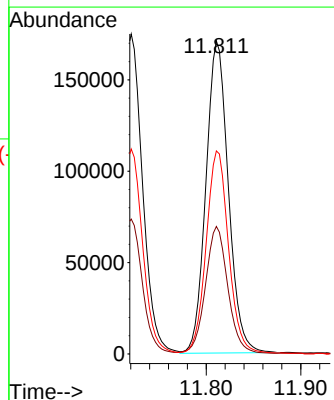
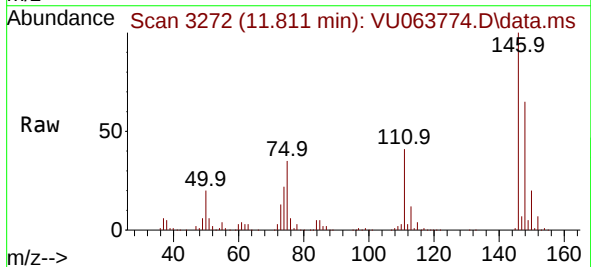
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

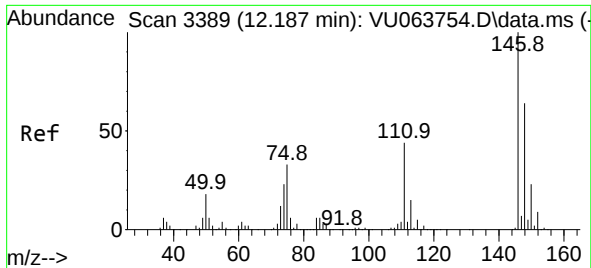
Tgt Ion:146 Resp: 284878
Ion Ratio Lower Upper
146 100
111 42.2 29.8 55.3
148 64.1 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 51.367 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Tgt Ion:146 Resp: 281417
Ion Ratio Lower Upper
146 100
111 40.7 28.8 53.4
148 64.9 44.9 83.3

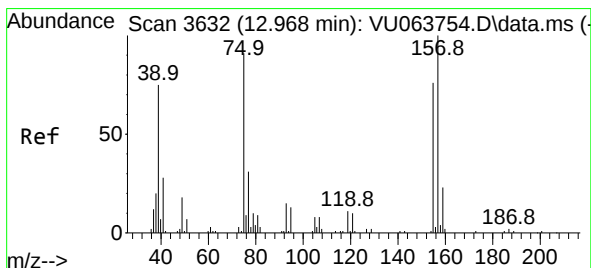
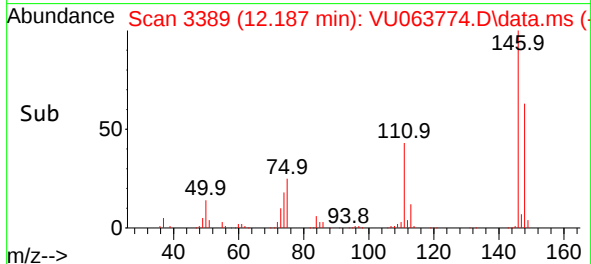
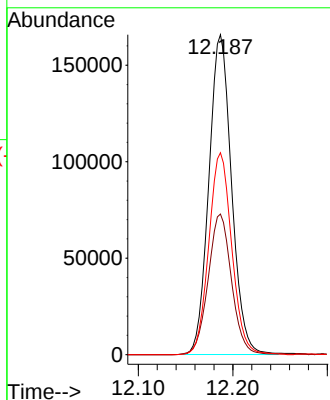
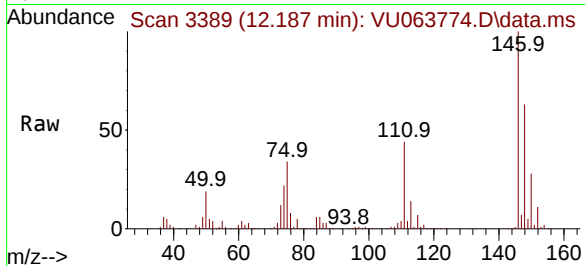




#67
1,2-Dichlorobenzene
Concen: 53.311 ug/L
RT: 12.187 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

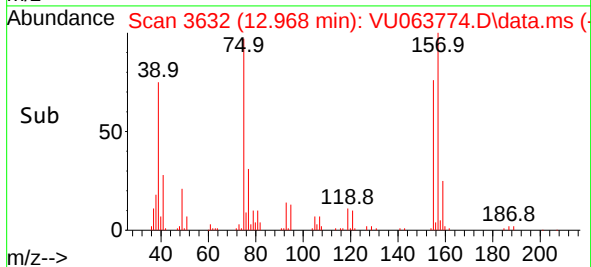
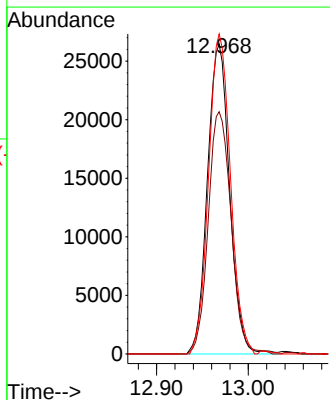
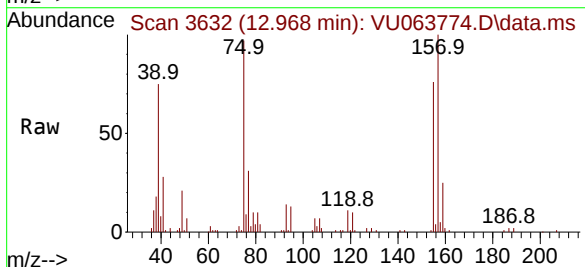
Instrument :
MSVOA_U
ClientSampleId :
VSTD050117

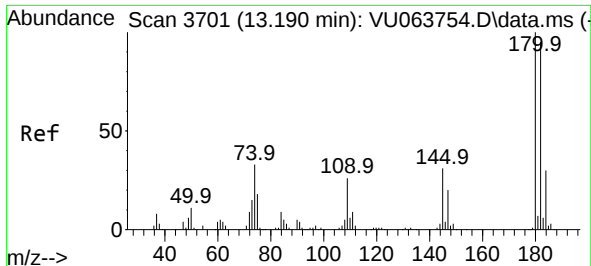
Tgt Ion:146 Resp: 276463
Ion Ratio Lower Upper
146 100
111 44.0 34.2 51.4
148 63.1 49.6 74.4



#68
1,2-Dibromo-3-chloropropane
Concen: 52.051 ug/L
RT: 12.968 min Scan# 3632
Delta R.T. 0.000 min
Lab File: VU063774.D
Acq: 24 Nov 2025 13:10

Tgt Ion: 75 Resp: 44367
Ion Ratio Lower Upper
75 100
155 78.2 64.6 97.0
157 108.4 78.8 118.2

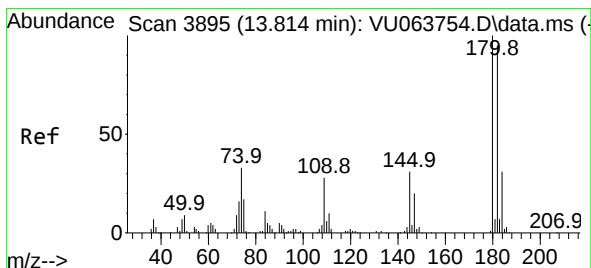
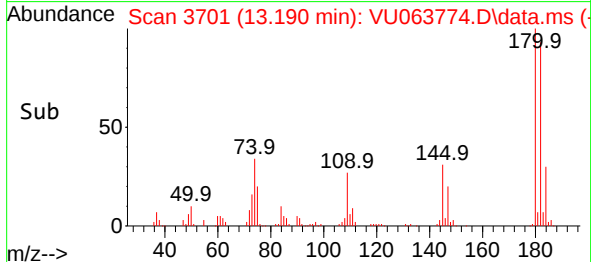
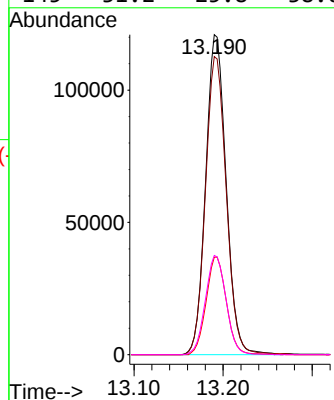
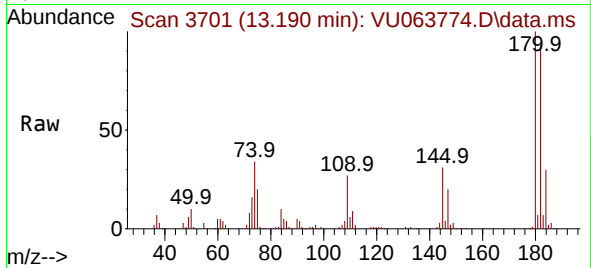




#69
 1,3,5-Trichlorobenzene
 Concen: 53.369 ug/L
 RT: 13.190 min Scan# 3701
 Delta R.T. 0.000 min
 Lab File: VU063774.D
 Acq: 24 Nov 2025 13:10

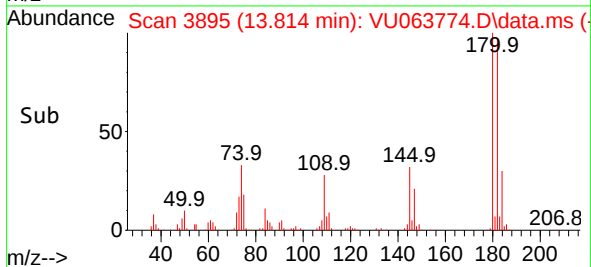
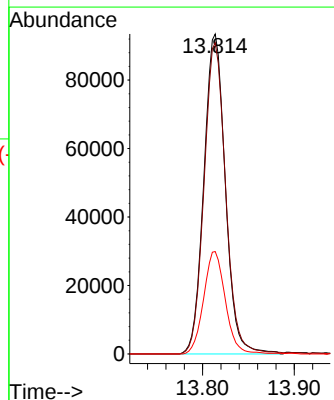
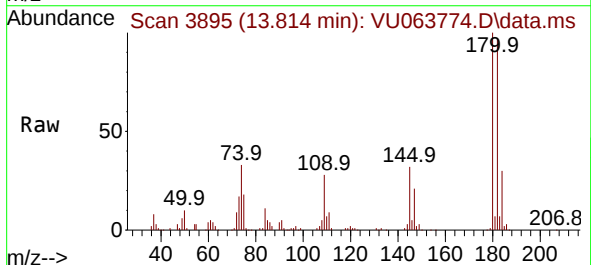
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050117

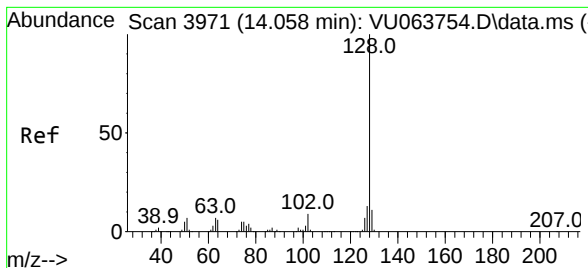
Tgt Ion:180 Resp: 192943
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.4 114.6
 184 30.2 24.4 36.6
 145 31.2 25.8 38.6



#70
 1,2,4-trichlorobenzene
 Concen: 50.538 ug/L
 RT: 13.814 min Scan# 3895
 Delta R.T. 0.000 min
 Lab File: VU063774.D
 Acq: 24 Nov 2025 13:10

Tgt Ion:180 Resp: 152349
 Ion Ratio Lower Upper
 180 100
 182 97.9 75.8 113.8
 145 32.3 25.7 38.5





#71

Naphthalene

Concen: 50.129 ug/L

RT: 14.058 min Scan# 3971

Delta R.T. 0.000 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD050117

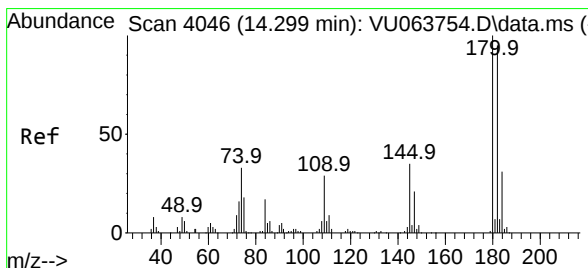
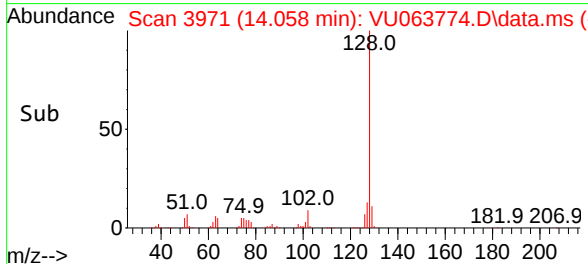
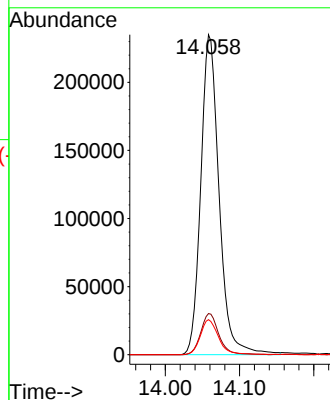
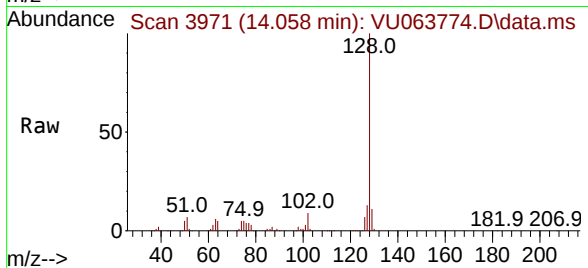
Tgt Ion:128 Resp: 402162

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 50.483 ug/L

RT: 14.303 min Scan# 4047

Delta R.T. 0.003 min

Lab File: VU063774.D

Acq: 24 Nov 2025 13:10

Tgt Ion:180 Resp: 144240

Ion Ratio Lower Upper

180 100

182 95.5 76.9 115.3

145 33.8 26.6 39.8

