

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
 Data File : VU063772.D
 Acq On : 21 Nov 2025 16:34
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050116

Quant Time: Nov 21 22:32:38 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	342719	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	333309	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	181904	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	125100	42.271	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.540%
7) Chloroethane-d5	1.891	69	99983	43.851	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.700%
11) 1,1-Dichloroethene-d2	2.541	63	232876	45.395	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.800%
21) 2-Butanone-d5	4.595	46	153787	91.149	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.150%
24) Chloroform-d	5.029	84	236198	47.568	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.140%
26) 1,2-Dichloroethane-d4	5.669	65	149687	45.844	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.680%
32) Benzene-d6	5.695	84	444611	45.508	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.020%
36) 1,2-Dichloropropane-d6	6.660	67	129278	45.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.140%
41) Toluene-d8	7.872	98	419940	45.271	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.540%
43) trans-1,3-Dichloroprop...	8.155	79	50438	42.555	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.100%
47) 2-Hexanone-d5	8.608	63	98086	94.060	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.060%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	200640	47.836	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.680%
66) 1,2-Dichlorobenzene-d4	12.167	152	162012	47.180	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	93816	47.035	ug/L	99
3) Chloromethane	1.509	50	103328	45.786	ug/L	98
5) Vinyl chloride	1.589	62	128381	48.926	ug/L	98
6) Bromomethane	1.833	94	84609	50.882	ug/L	96
8) Chloroethane	1.914	64	89157	50.903	ug/L	100
9) Trichlorofluoromethane	2.116	101	210961	50.974	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	118827	48.579	ug/L	99
12) 1,1-Dichloroethene	2.554	96	106743	47.714	ug/L	92
13) Acetone	2.602	43	197973	86.701	ug/L	100
14) Carbon disulfide	2.766	76	239938	41.174	ug/L	98
15) Methyl Acetate	2.923	43	135596	49.452	ug/L	98
16) Methylene chloride	3.013	84	126115	48.357	ug/L	98
17) trans-1,2-Dichloroethene	3.322	96	111435	46.720	ug/L	94
18) Methyl tert-butyl Ether	3.335	73	389828	48.292	ug/L	99
19) 1,1-Dichloroethane	3.833	63	224615	48.872	ug/L	98
20) cis-1,2-Dichloroethene	4.631	96	134745	49.078	ug/L	99
22) 2-Butanone	4.673	43	224487	88.494	ug/L	97
23) Bromochloromethane	4.943	128	71053	50.337	ug/L	96
25) Chloroform	5.052	83	247169	49.683	ug/L	100

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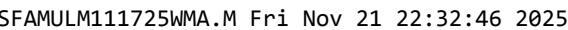
Instrument :
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 ClientSampleId :
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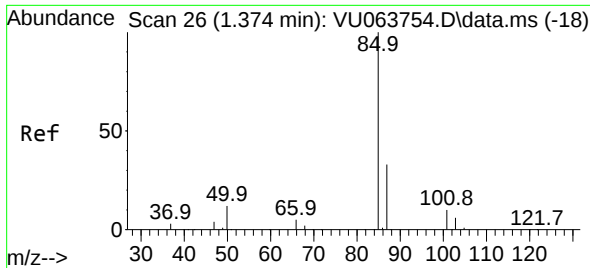
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	203697	50.156	ug/L	99
29) Cyclohexane	5.354	56	196648	46.892	ug/L	97
30) 1,1,1-Trichloroethane	5.283	97	204708	48.097	ug/L	99
31) Carbon tetrachloride	5.492	117	163703	48.915	ug/L	99
33) Benzene	5.743	78	503374	49.516	ug/L	100
34) Trichloroethene	6.515	95	141652	48.334	ug/L	98
35) Methylcyclohexane	6.734	83	200542	46.615	ug/L	98
37) 1,2-Dichloropropane	6.759	63	130820	49.517	ug/L	100
38) Bromodichloromethane	7.078	83	173995	48.095	ug/L	97
39) cis-1,3-Dichloropropene	7.579	75	184722	47.146	ug/L	98
40) 4-Methyl-2-pentanone	7.762	43	382205	99.946	ug/L	99
42) Toluene	7.942	91	548096	48.836	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	152398	44.559	ug/L	98
45) 1,1,2-Trichloroethane	8.373	97	141262	50.559	ug/L	99
46) Tetrachloroethene	8.528	164	105723	47.172	ug/L	98
48) 2-Hexanone	8.659	43	303135	100.995	ug/L	99
49) Dibromochloromethane	8.782	129	129593	48.029	ug/L	100
50) 1,2-Dibromoethane	8.897	107	145605	49.648	ug/L	98
51) Chlorobenzene	9.422	112	365135	48.210	ug/L	99
52) Ethylbenzene	9.544	91	629329	48.292	ug/L	99
53) m,p-Xylene	9.669	106	241659	48.652	ug/L	99
54) o-Xylene	10.074	106	238310	49.266	ug/L	96
55) Styrene	10.090	104	394087	50.282	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.756	83	223228	49.054	ug/L	99
59) Bromoform	10.264	173	91841	44.458	ug/L	99
60) 1,2,3-Trichloropropane	10.794	75	191491	48.231	ug/L	99
61) Isopropylbenzene	10.457	105	641042	46.713	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	527776	46.755	ug/L	99
63) 1,2,4-Trimethylbenzene	11.444	105	506814	47.036	ug/L	100
64) 1,3-Dichlorobenzene	11.720	146	282965	45.995	ug/L	99
65) 1,4-Dichlorobenzene	11.810	146	285174	45.257	ug/L	100
67) 1,2-Dichlorobenzene	12.187	146	279354	46.836	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.968	75	45335	46.243	ug/L	95
69) 1,3,5-Trichlorobenzene	13.193	180	191626	46.085	ug/L	99
70) 1,2,4-trichlorobenzene	13.810	180	155950	44.979	ug/L	99
71) Naphthalene	14.058	128	446880	48.431	ug/L	99
72) 1,2,3-Trichlorobenzene	14.299	180	151026	45.957	ug/L	99

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

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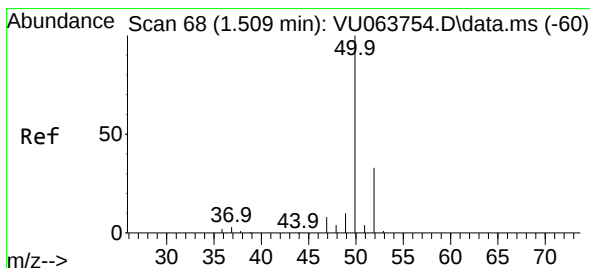
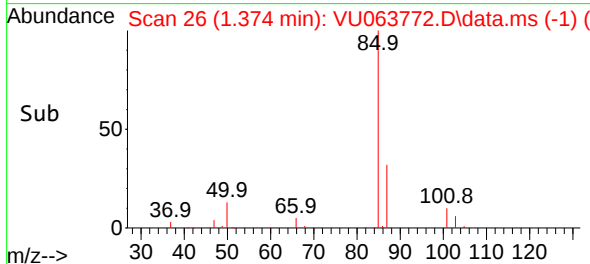
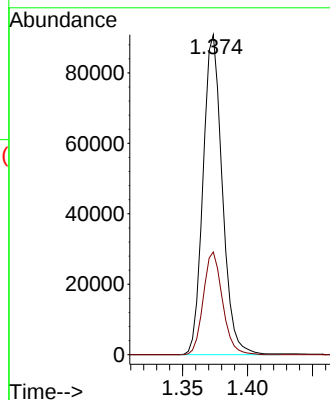
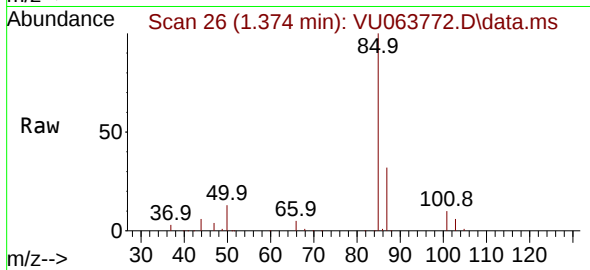




#2
 Dichlorodifluoromethane
 Concen: 47.035 ug/L
 RT: 1.374 min Scan# 26
 Delta R.T. -0.000 min
 Lab File: VU063772.D
 Acq: 21 Nov 2025 16:34

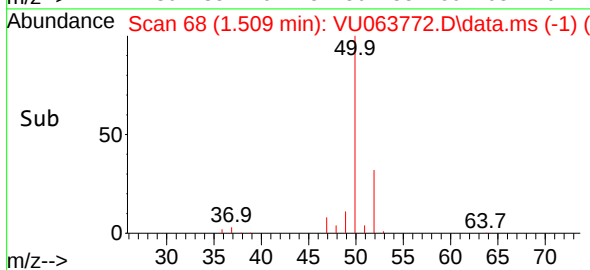
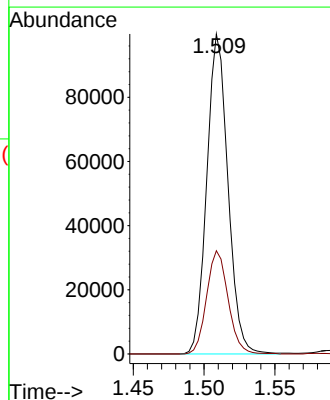
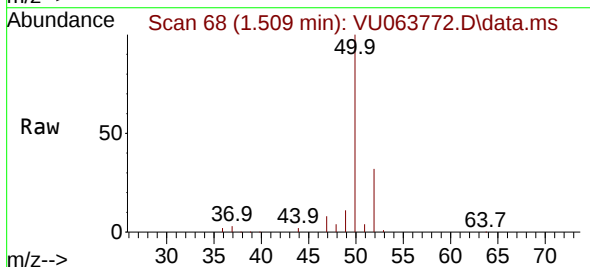
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050116

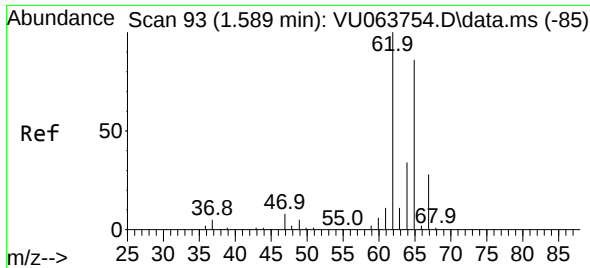
Tgt Ion: 85 Resp: 93816
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.2 39.2



#3
 Chloromethane
 Concen: 45.786 ug/L
 RT: 1.509 min Scan# 68
 Delta R.T. -0.000 min
 Lab File: VU063772.D
 Acq: 21 Nov 2025 16:34

Tgt Ion: 50 Resp: 103328
 Ion Ratio Lower Upper
 50 100
 52 32.3 23.2 43.2

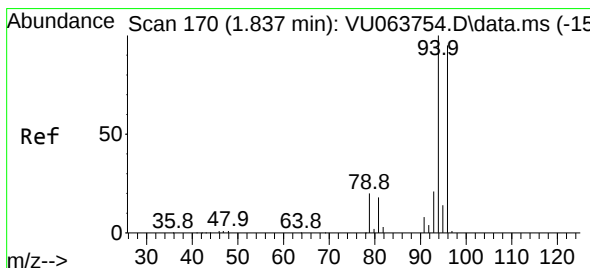
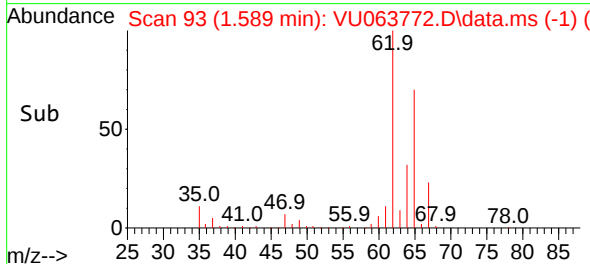
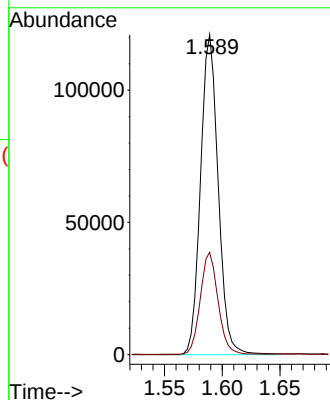
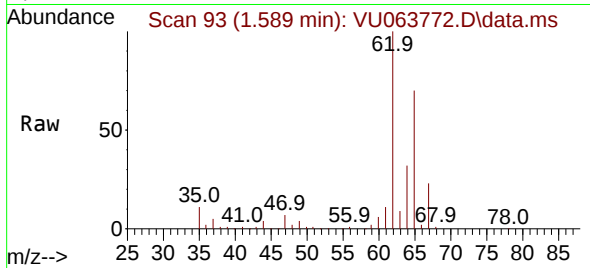




#5
 Vinyl chloride
 Concen: 48.926 ug/L
 RT: 1.589 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU063772.D
 Acq: 21 Nov 2025 16:34

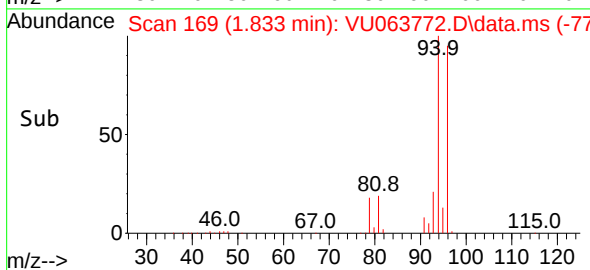
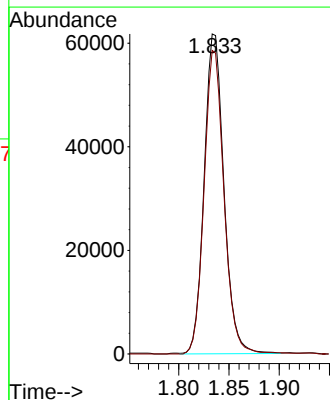
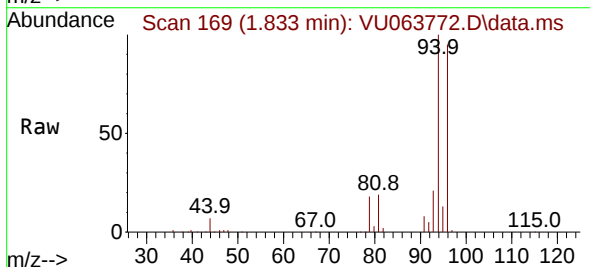
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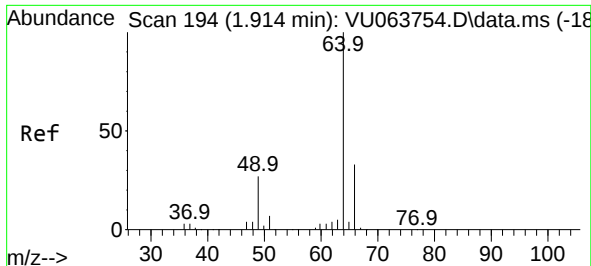
Tgt Ion: 62 Resp: 128381
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.2 43.2



#6
 Bromomethane
 Concen: 50.882 ug/L
 RT: 1.833 min Scan# 169
 Delta R.T. -0.003 min
 Lab File: VU063772.D
 Acq: 21 Nov 2025 16:34

Tgt Ion: 94 Resp: 84609
 Ion Ratio Lower Upper
 94 100
 96 94.8 63.8 118.4

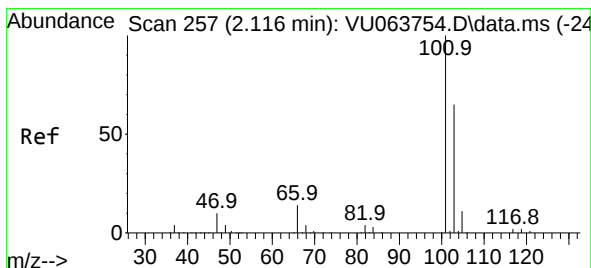
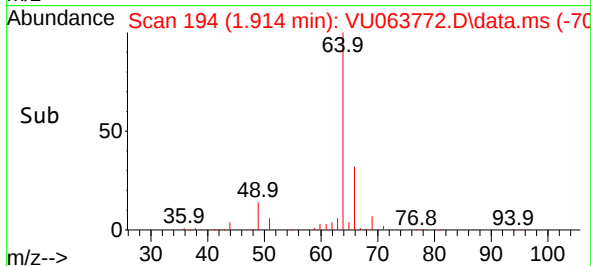
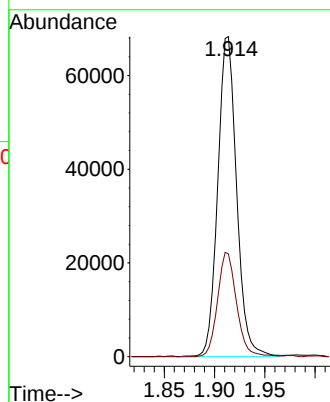
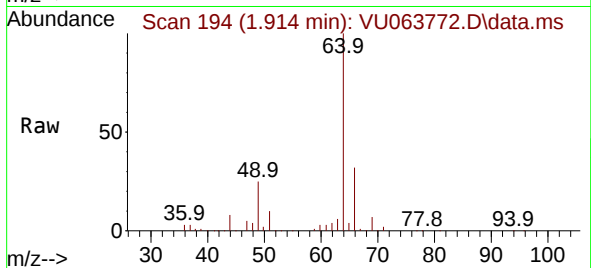




#8
Chloroethane
Concen: 50.903 ug/L
RT: 1.914 min Scan# 194
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

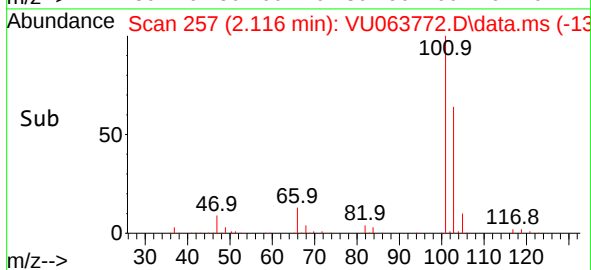
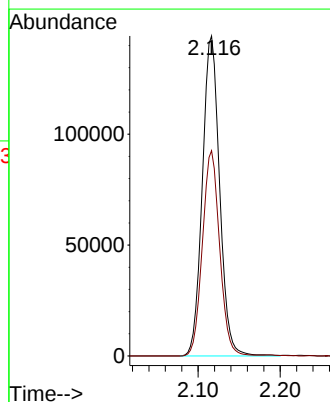
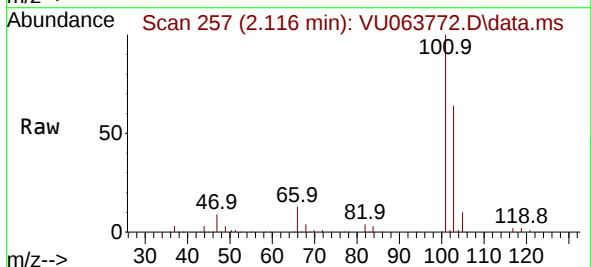
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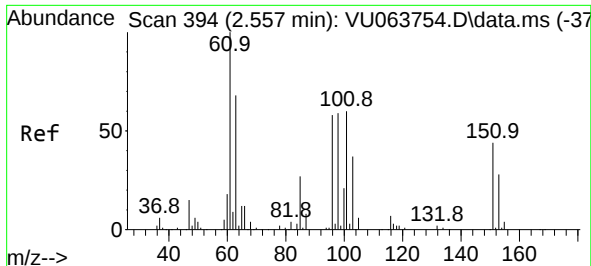
Tgt Ion: 64 Resp: 89157
Ion Ratio Lower Upper
64 100
66 32.2 22.4 41.6



#9
Trichlorofluoromethane
Concen: 50.974 ug/L
RT: 2.116 min Scan# 257
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Tgt Ion:101 Resp: 210961
Ion Ratio Lower Upper
101 100
103 63.9 52.0 78.0

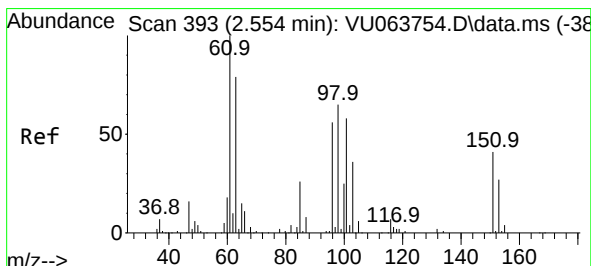
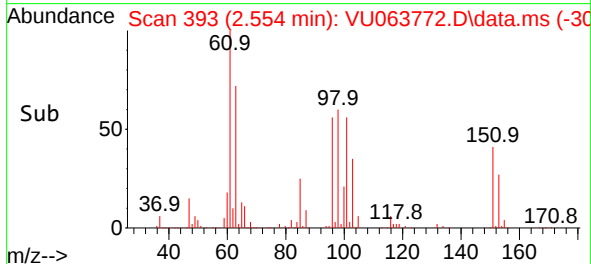
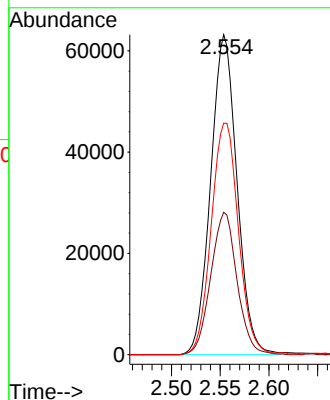
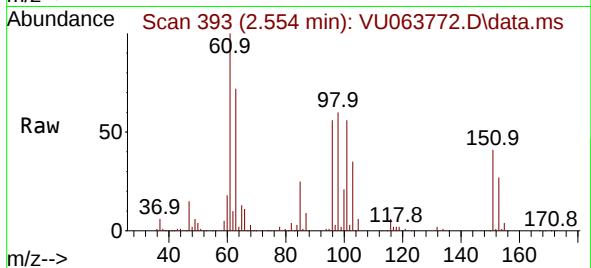




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.579 ug/L
 RT: 2.554 min Scan# 393
 Delta R.T. -0.003 min
 Lab File: VU063772.D
 Acq: 21 Nov 2025 16:34

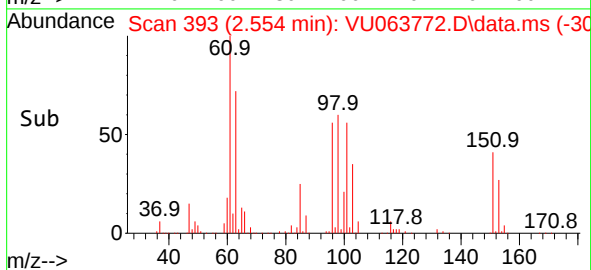
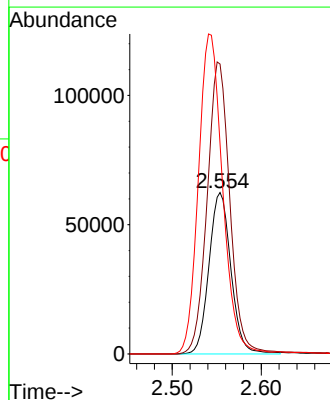
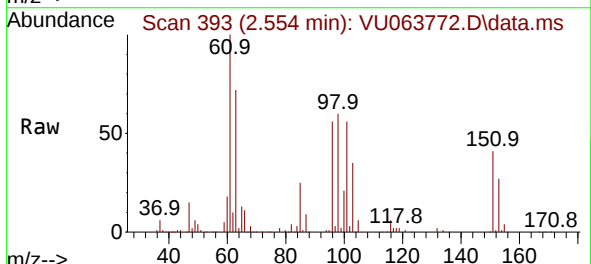
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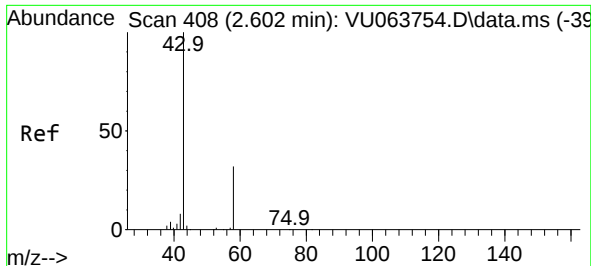
Tgt Ion:101 Resp: 118827
 Ion Ratio Lower Upper
 101 100
 85 44.4 36.3 54.5
 151 74.8 60.1 90.1



#12
 1,1-Dichloroethene
 Concen: 47.714 ug/L
 RT: 2.554 min Scan# 393
 Delta R.T. -0.000 min
 Lab File: VU063772.D
 Acq: 21 Nov 2025 16:34

Tgt Ion: 96 Resp: 106743
 Ion Ratio Lower Upper
 96 100
 61 179.5 123.3 228.9
 63 130.1 103.3 191.8





#13

Acetone

Concen: 86.701 ug/L

RT: 2.602 min Scan# 408

Delta R.T. -0.000 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

Instrument :

MSVOA_U

ClientSampleId :

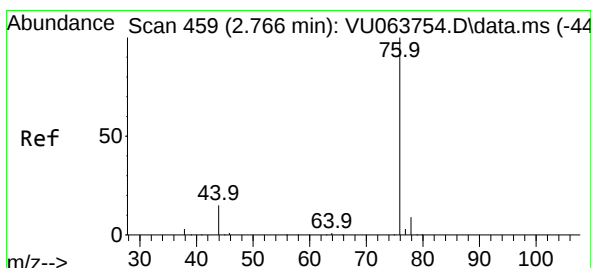
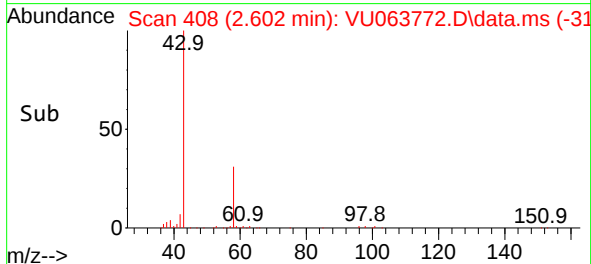
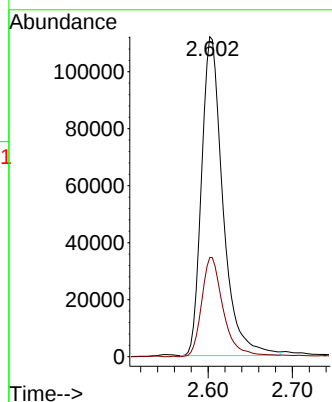
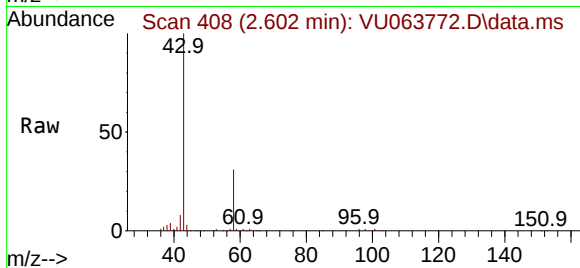
VSTD050116

Tgt Ion: 43 Resp: 197973

Ion Ratio Lower Upper

43 100

58 31.9 0.0 63.4



#14

Carbon disulfide

Concen: 41.174 ug/L

RT: 2.766 min Scan# 459

Delta R.T. -0.000 min

Lab File: VU063772.D

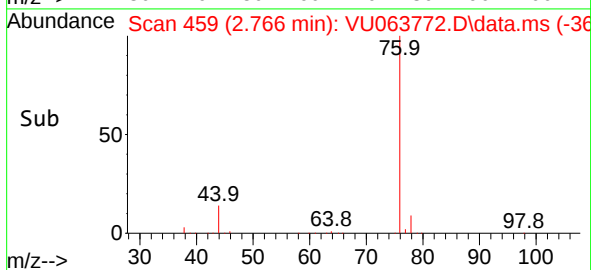
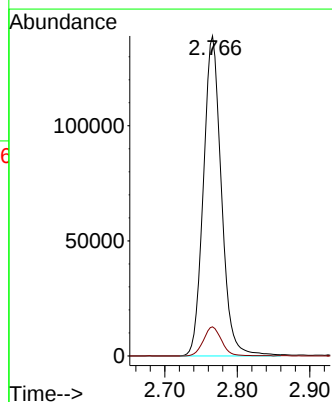
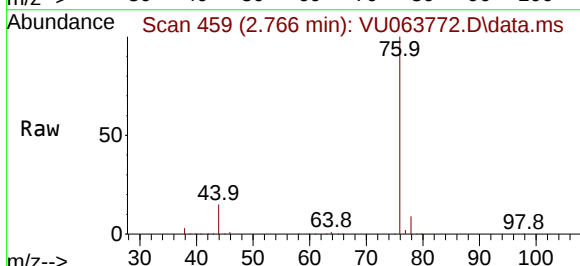
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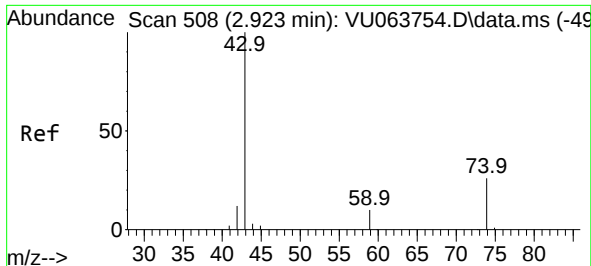
Tgt Ion: 76 Resp: 239938

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.6

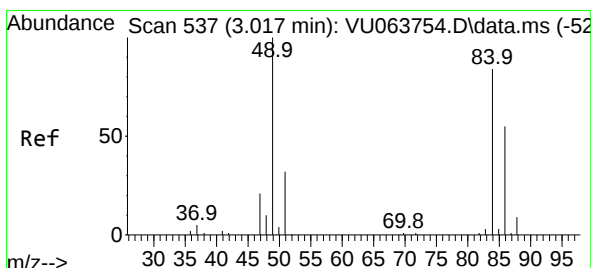
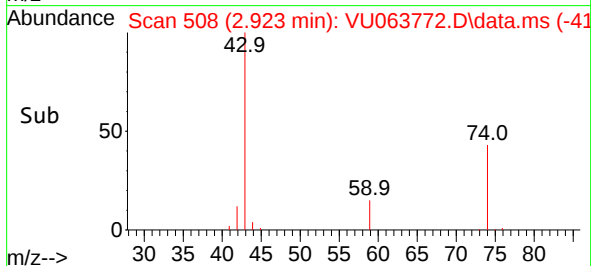
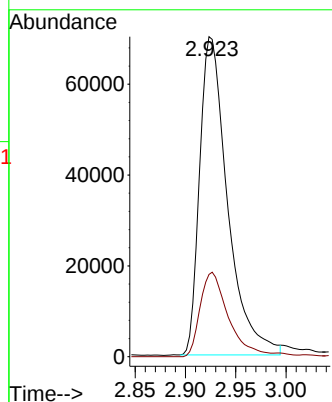
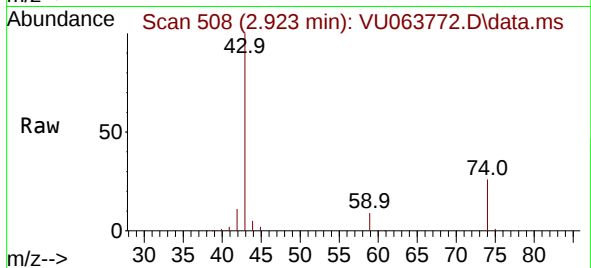




#15
Methyl Acetate
Concen: 49.452 ug/L
RT: 2.923 min Scan# 508
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

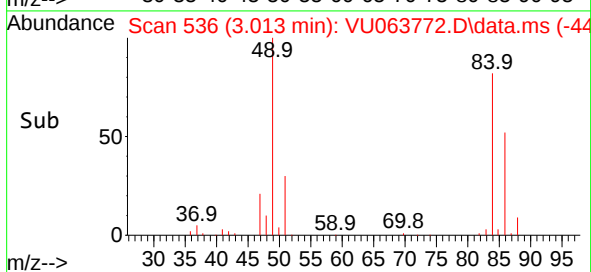
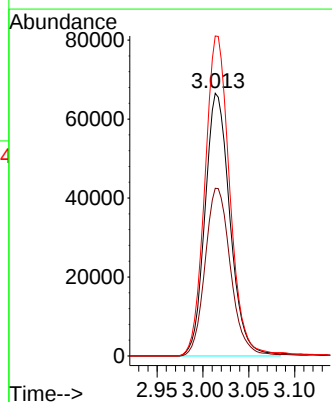
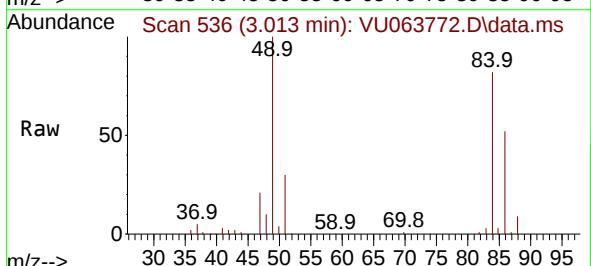
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

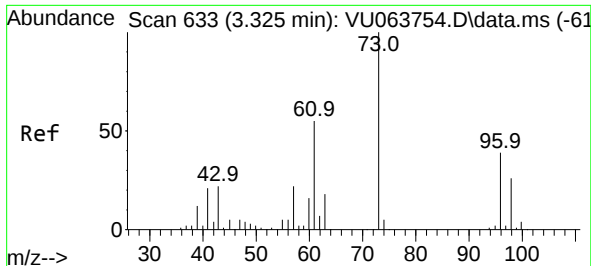
Tgt Ion: 43 Resp: 135596
Ion Ratio Lower Upper
43 100
74 26.7 20.5 30.7



#16
Methylene chloride
Concen: 48.357 ug/L
RT: 3.013 min Scan# 536
Delta R.T. -0.003 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Tgt Ion: 84 Resp: 126115
Ion Ratio Lower Upper
84 100
86 63.8 45.2 84.0
49 121.8 83.6 155.2





#17

trans-1,2-Dichloroethene

Concen: 46.720 ug/L

RT: 3.322 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD050116

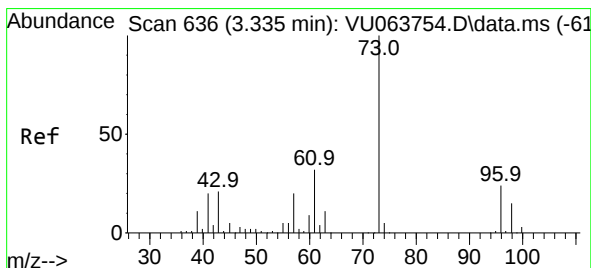
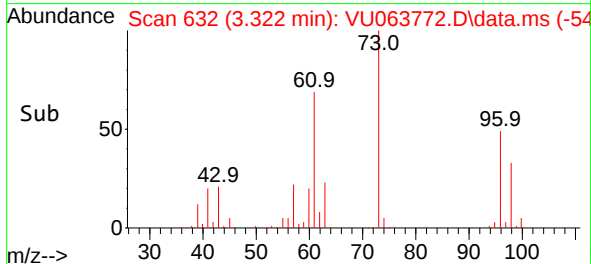
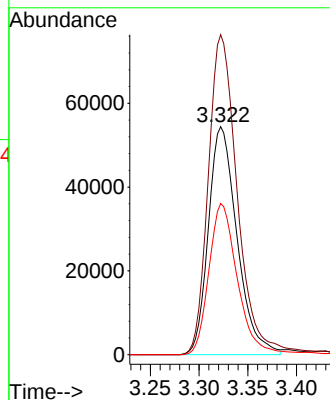
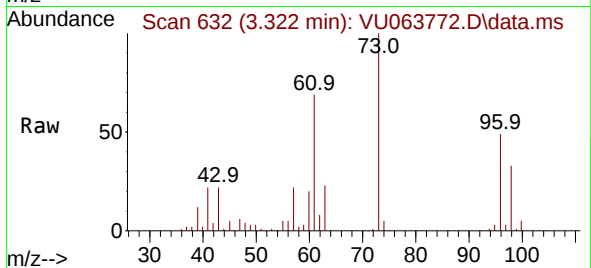
Tgt Ion: 96 Resp: 111435

Ion Ratio Lower Upper

96 100

61 140.3 92.7 172.1

98 66.3 43.2 80.2



#18

Methyl tert-butyl Ether

Concen: 48.292 ug/L

RT: 3.335 min Scan# 636

Delta R.T. -0.000 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

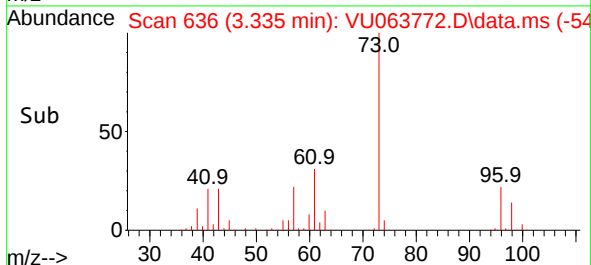
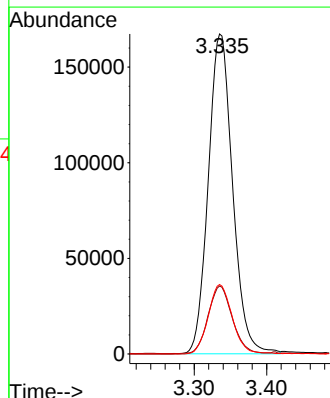
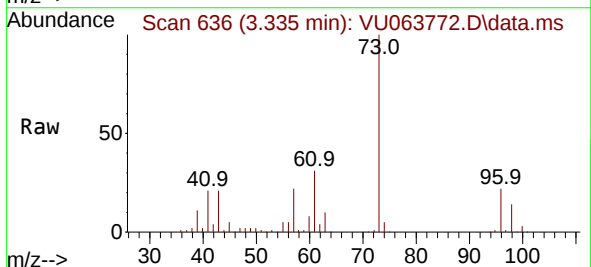
Tgt Ion: 73 Resp: 389828

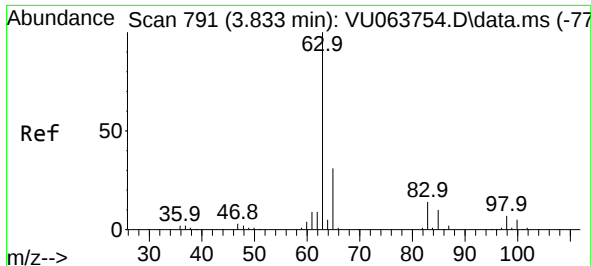
Ion Ratio Lower Upper

73 100

43 20.9 16.6 24.8

57 21.3 16.3 24.5





#19

1,1-Dichloroethane

Concen: 48.872 ug/L

RT: 3.833 min Scan# 791

Delta R.T. -0.000 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD050116

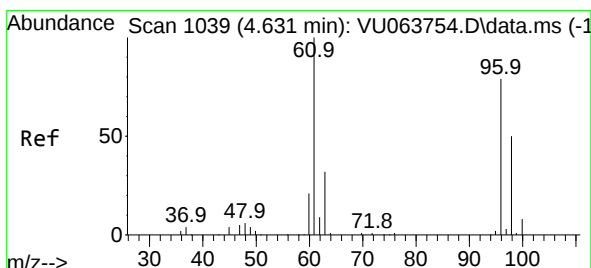
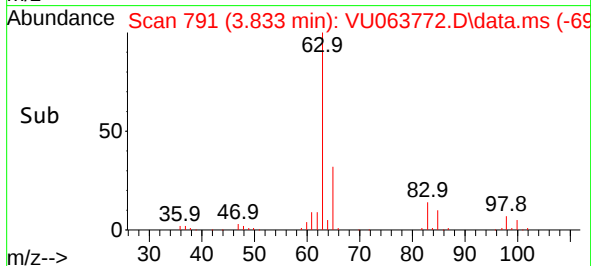
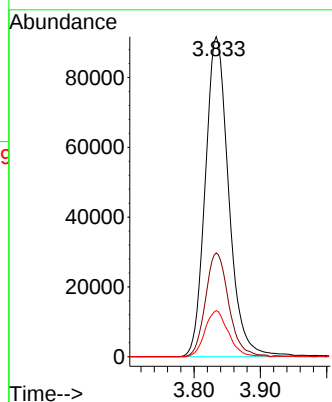
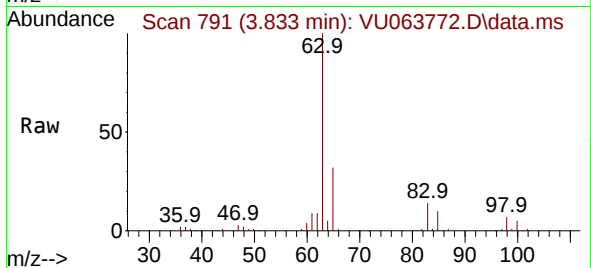
Tgt Ion: 63 Resp: 224615

Ion Ratio Lower Upper

63 100

65 32.4 22.0 41.0

83 14.4 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 49.078 ug/L

RT: 4.631 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

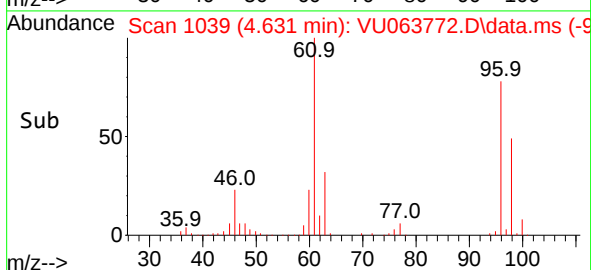
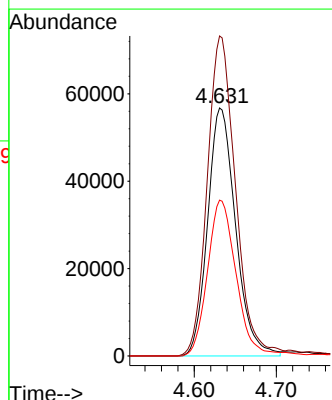
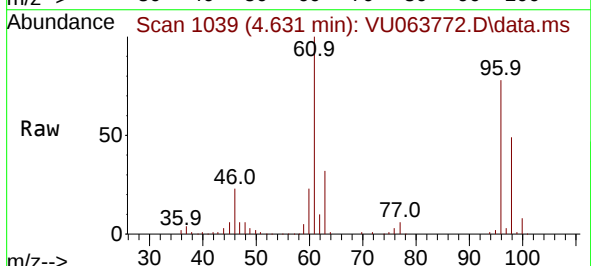
Tgt Ion: 96 Resp: 134745

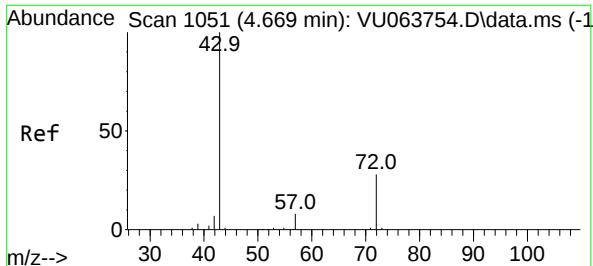
Ion Ratio Lower Upper

96 100

61 129.0 90.3 167.7

98 62.8 46.3 86.1





#22

2-Butanone

Concen: 88.494 ug/L

RT: 4.673 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

Instrument :

MSVOA_U

ClientSampleId :

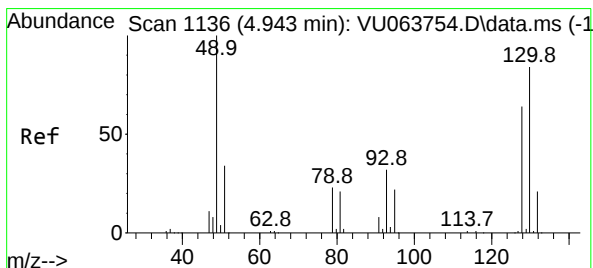
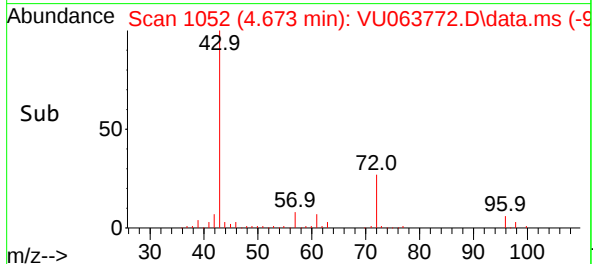
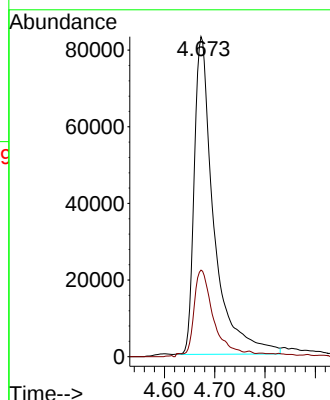
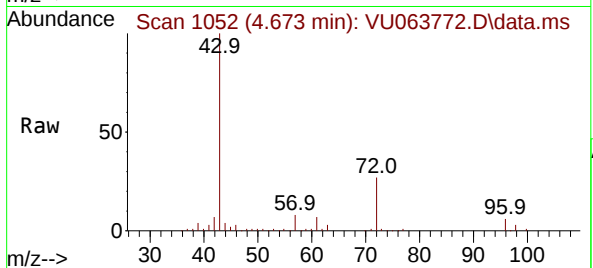
VSTD050116

Tgt Ion: 43 Resp: 224487

Ion Ratio Lower Upper

43 100

72 25.5 13.6 40.7



#23

Bromochloromethane

Concen: 50.337 ug/L

RT: 4.943 min Scan# 1136

Delta R.T. -0.000 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

Tgt Ion:128 Resp: 71053

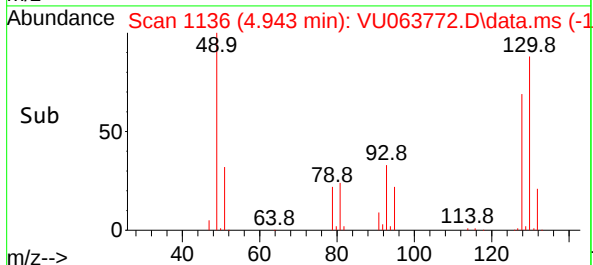
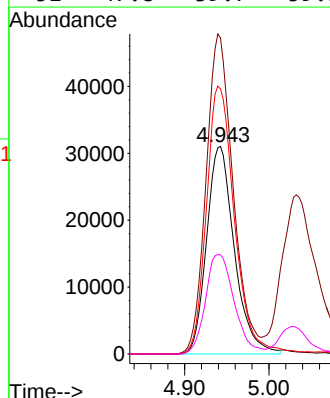
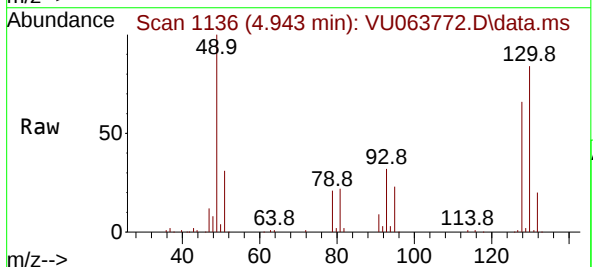
Ion Ratio Lower Upper

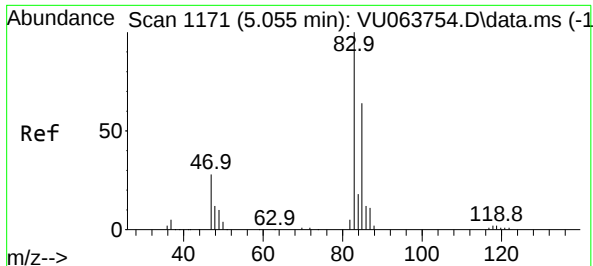
128 100

49 152.3 113.5 210.7

130 127.7 89.8 166.8

51 47.8 39.7 59.5





#25

Chloroform

Concen: 49.683 ug/L

RT: 5.052 min Scan# 1171

Delta R.T. -0.003 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

Instrument :

MSVOA_U

ClientSampleId :

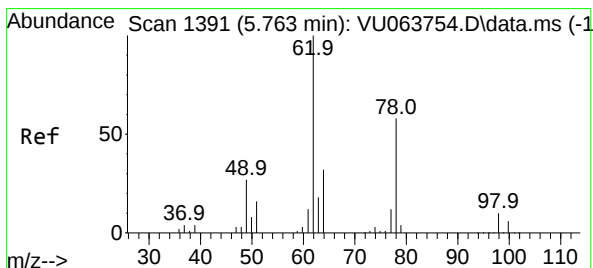
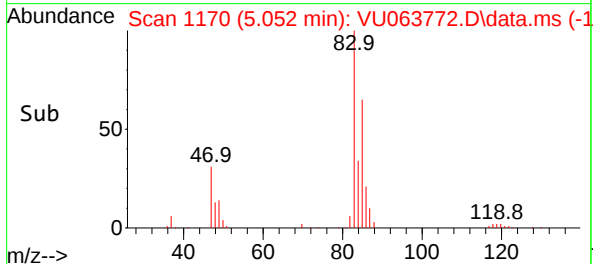
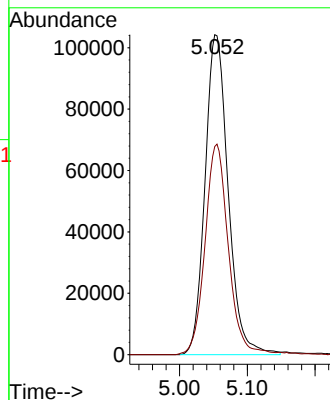
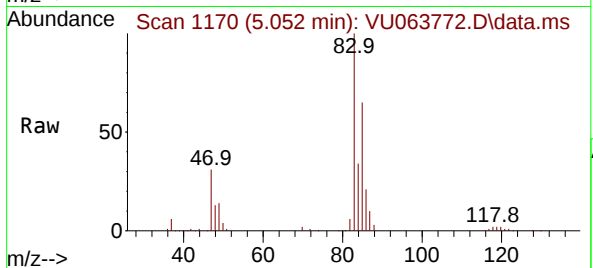
VSTD050116

Tgt Ion: 83 Resp: 247169

Ion Ratio Lower Upper

83 100

85 65.1 45.4 84.4



#27

1,2-Dichloroethane

Concen: 50.156 ug/L

RT: 5.763 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VU063772.D

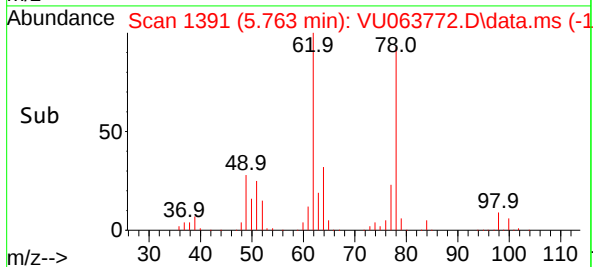
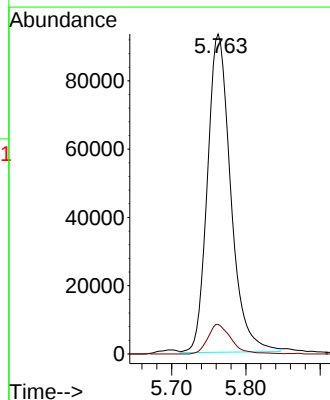
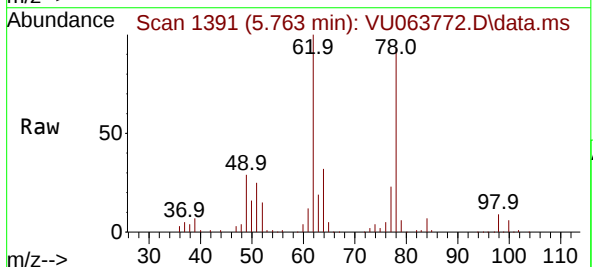
Acq: 21 Nov 2025 16:34

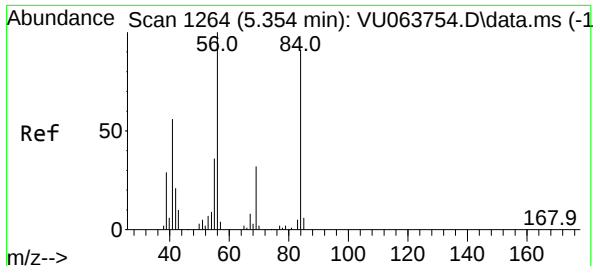
Tgt Ion: 62 Resp: 203697

Ion Ratio Lower Upper

62 100

98 9.3 7.6 11.4





#29

Cyclohexane

Concen: 46.892 ug/L

RT: 5.354 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD050116

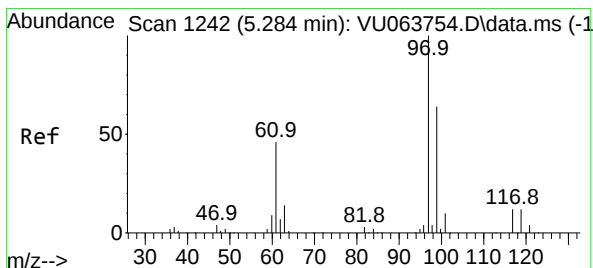
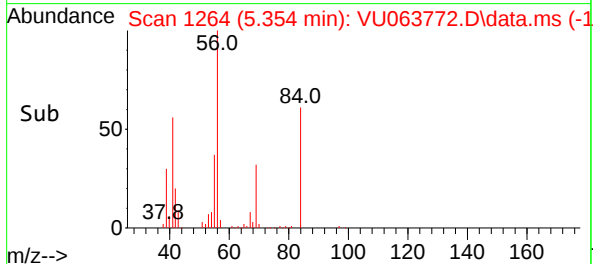
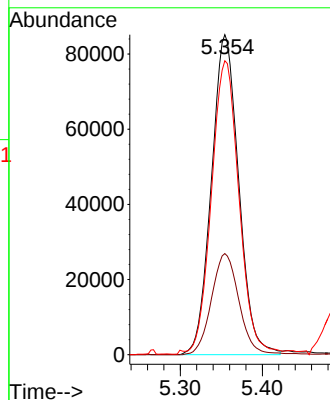
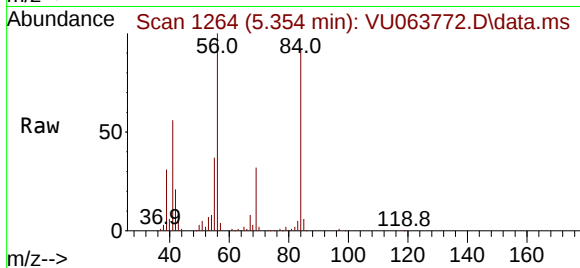
Tgt Ion: 56 Resp: 196648

Ion Ratio Lower Upper

56 100

69 31.8 25.8 38.8

84 90.6 69.3 103.9



#30

1,1,1-Trichloroethane

Concen: 48.097 ug/L

RT: 5.283 min Scan# 1242

Delta R.T. -0.000 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

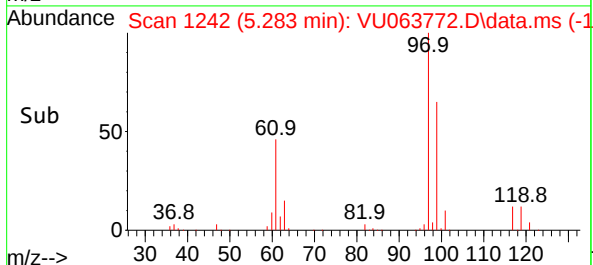
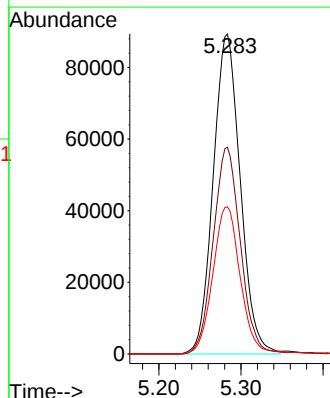
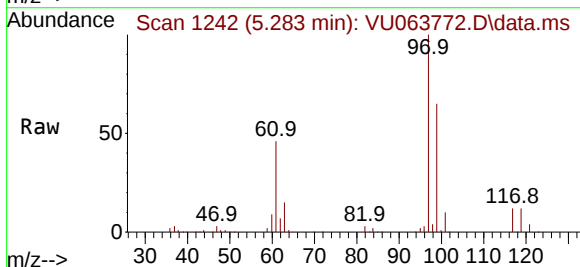
Tgt Ion: 97 Resp: 204708

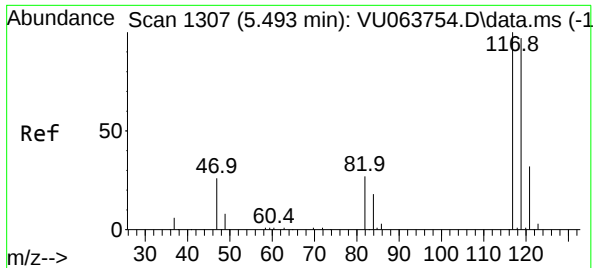
Ion Ratio Lower Upper

97 100

99 64.7 50.7 76.1

61 46.9 37.2 55.8

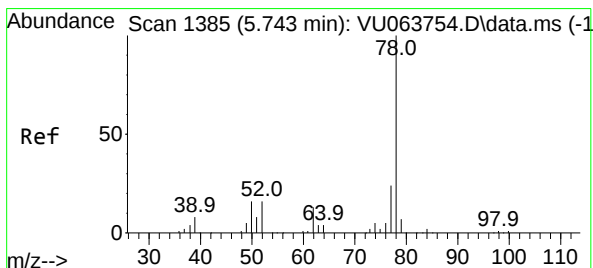
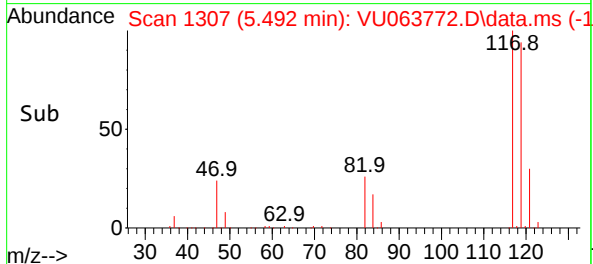
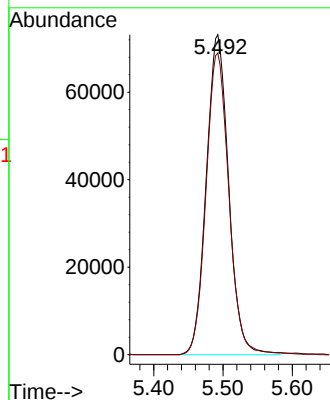
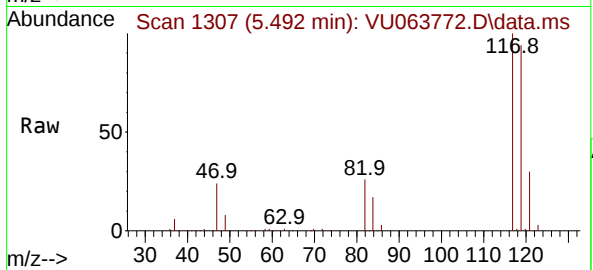




#31
Carbon tetrachloride
Concen: 48.915 ug/L
RT: 5.492 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

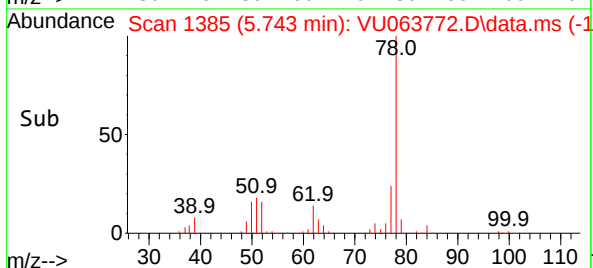
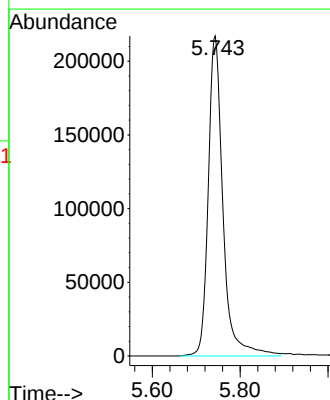
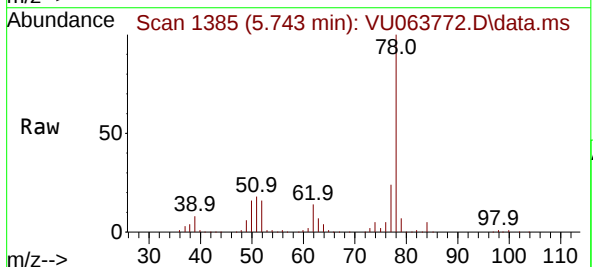
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

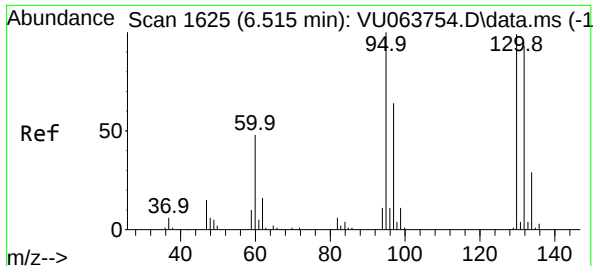
Tgt Ion:117 Resp: 163703
Ion Ratio Lower Upper
117 100
119 95.9 76.0 114.0



#33
Benzene
Concen: 49.516 ug/L
RT: 5.743 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Tgt Ion: 78 Resp: 503374





#34

Trichloroethene

Concen: 48.334 ug/L

RT: 6.515 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD050116

Tgt Ion: 95 Resp: 141652

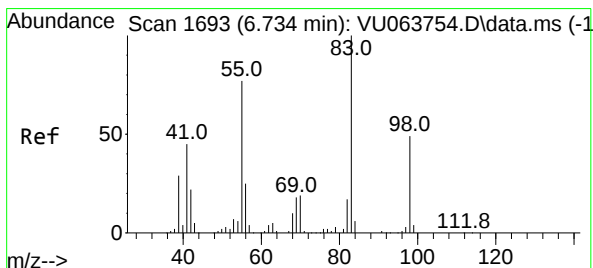
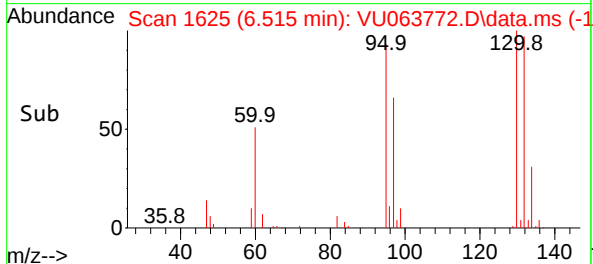
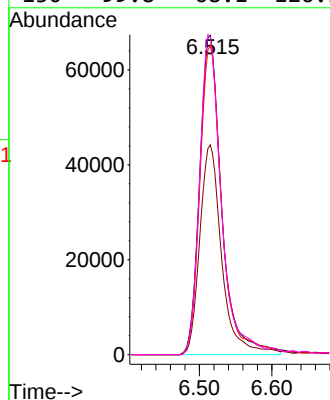
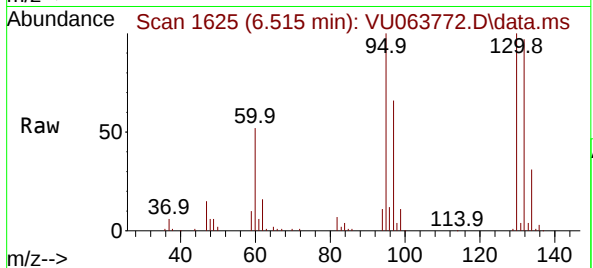
Ion Ratio Lower Upper

95 100

97 65.7 45.1 83.9

132 96.8 68.3 126.8

130 99.8 68.1 126.5



#35

Methylcyclohexane

Concen: 46.615 ug/L

RT: 6.734 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

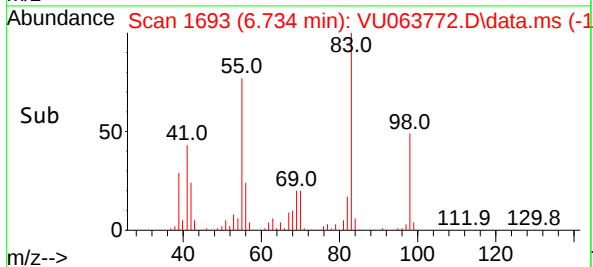
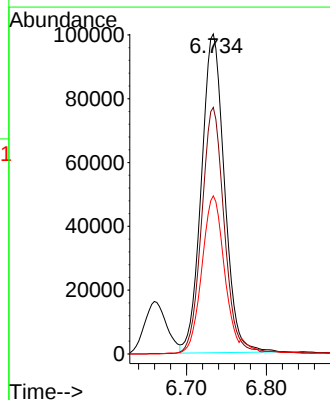
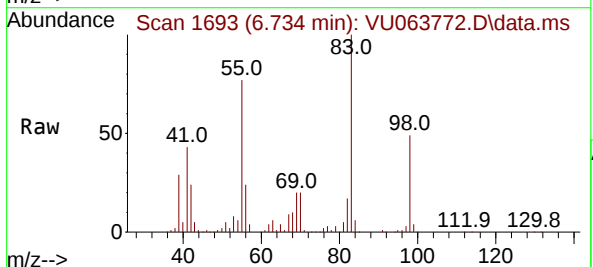
Tgt Ion: 83 Resp: 200542

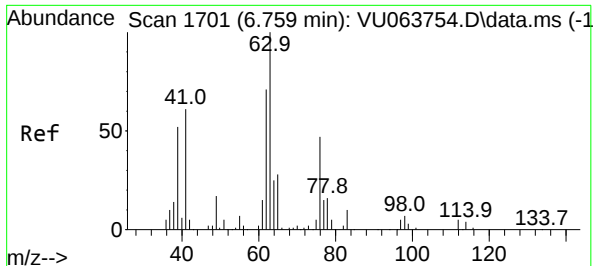
Ion Ratio Lower Upper

83 100

55 75.6 60.9 91.3

98 47.6 39.7 59.5

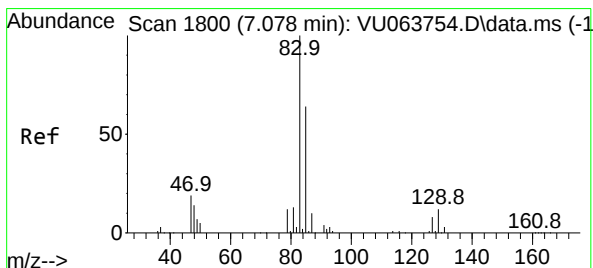
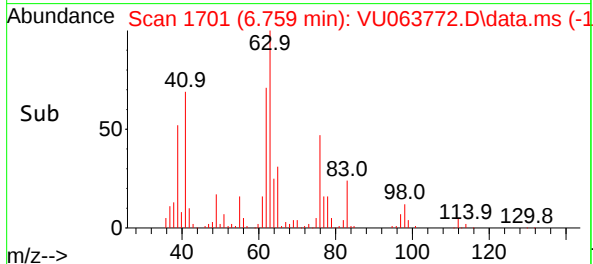
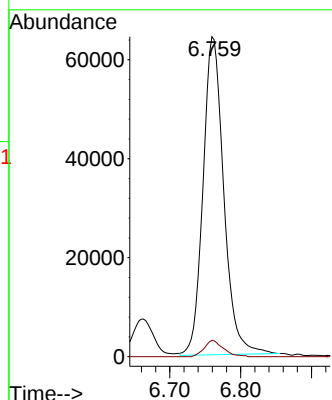
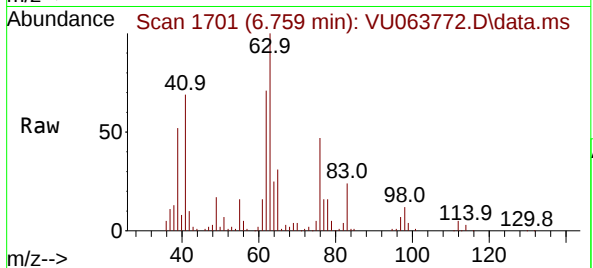




#37
1,2-Dichloropropane
Concen: 49.517 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

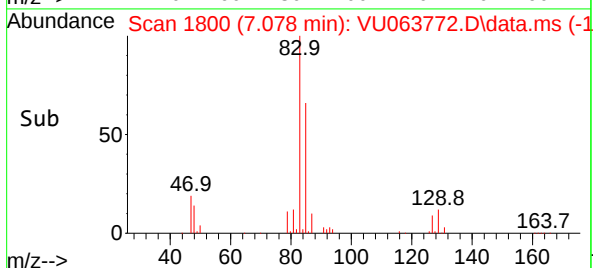
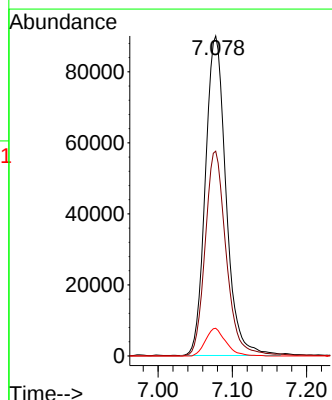
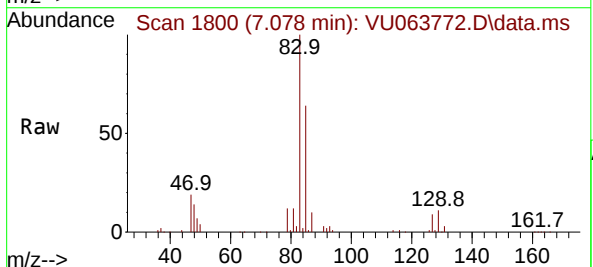
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

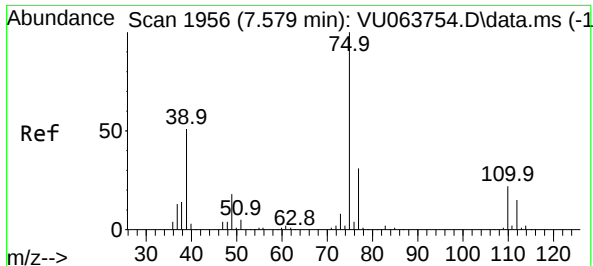
Tgt Ion: 63 Resp: 130820
Ion Ratio Lower Upper
63 100
112 4.7 3.7 5.5



#38
Bromodichloromethane
Concen: 48.095 ug/L
RT: 7.078 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Tgt Ion: 83 Resp: 173995
Ion Ratio Lower Upper
83 100
85 64.0 43.1 80.1
127 9.6 6.6 10.0

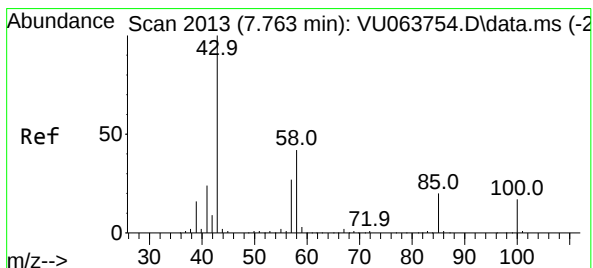
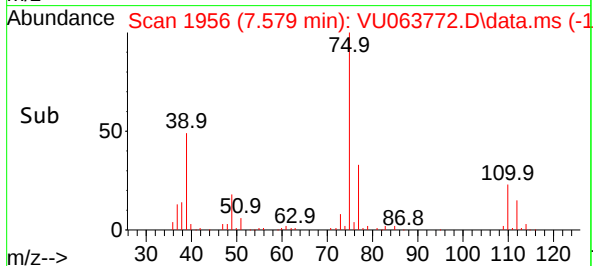
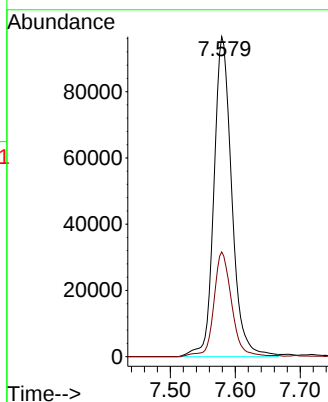
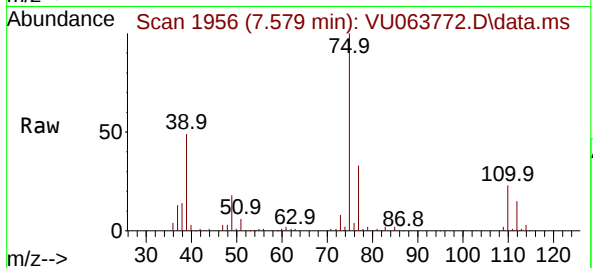




#39
 cis-1,3-Dichloropropene
 Concen: 47.146 ug/L
 RT: 7.579 min Scan# 1956
 Delta R.T. -0.000 min
 Lab File: VU063772.D
 Acq: 21 Nov 2025 16:34

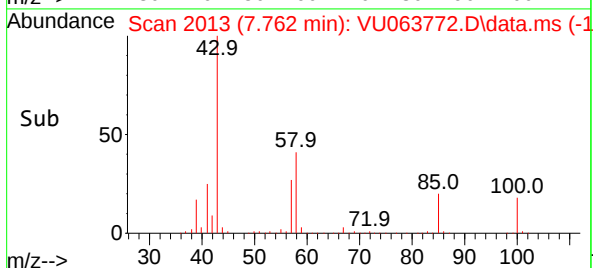
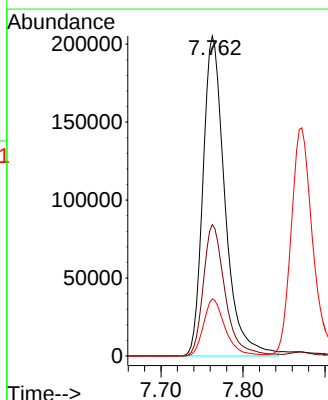
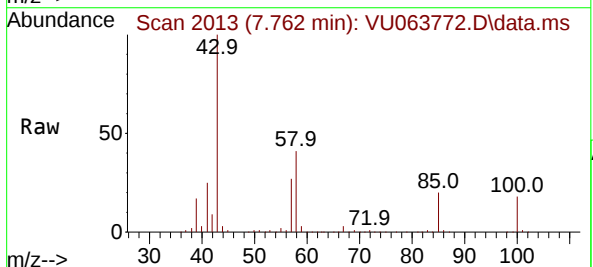
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050116

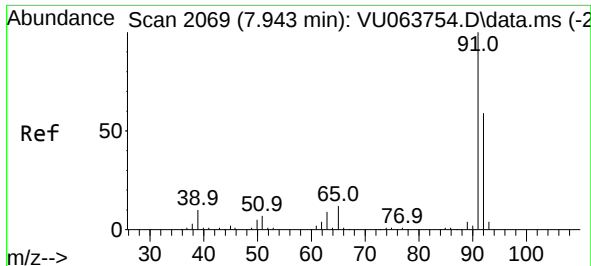
Tgt Ion: 75 Resp: 184722
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 99.946 ug/L
 RT: 7.762 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VU063772.D
 Acq: 21 Nov 2025 16:34

Tgt Ion: 43 Resp: 382205
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.9 49.3
 100 17.6 13.9 20.9





#42

Toluene

Concen: 48.836 ug/L

RT: 7.942 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

Instrument :

MSVOA_U

ClientSampleId :

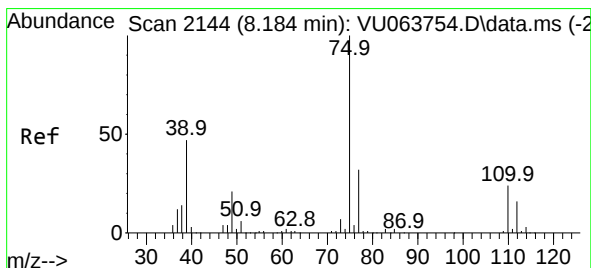
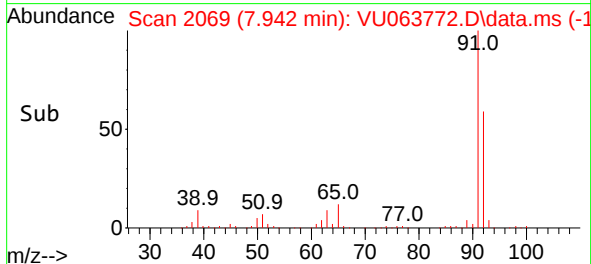
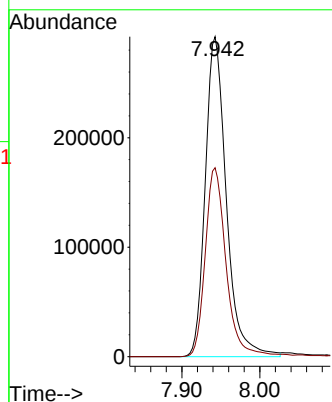
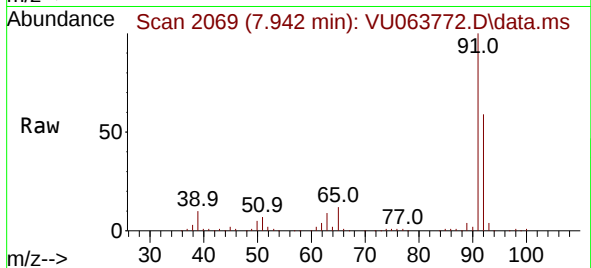
VSTD050116

Tgt Ion: 91 Resp: 548096

Ion Ratio Lower Upper

91 100

92 59.1 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 44.559 ug/L

RT: 8.184 min Scan# 2144

Delta R.T. -0.000 min

Lab File: VU063772.D

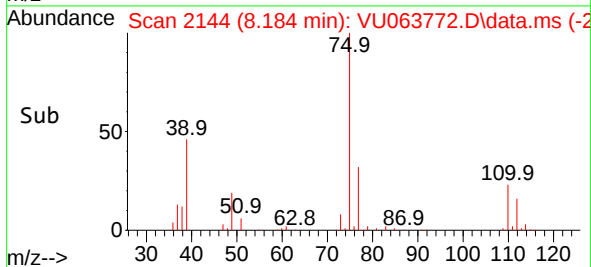
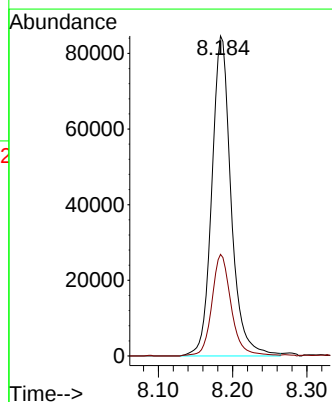
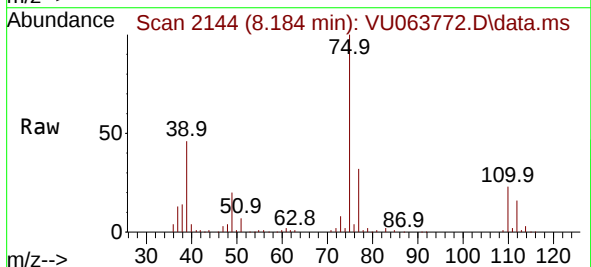
Acq: 21 Nov 2025 16:34

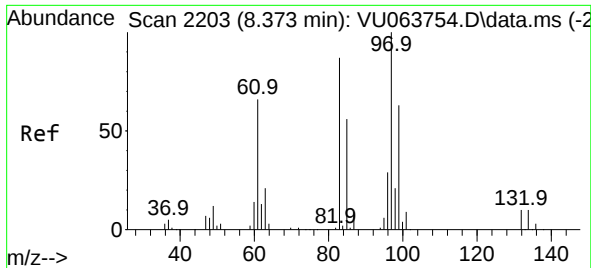
Tgt Ion: 75 Resp: 152398

Ion Ratio Lower Upper

75 100

77 31.8 21.4 39.8



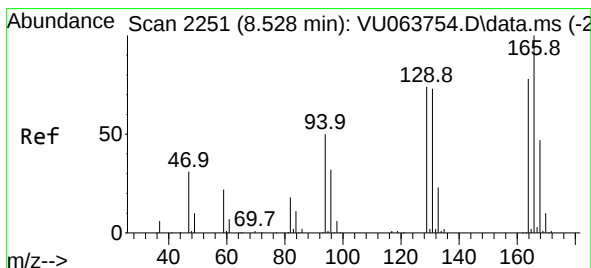
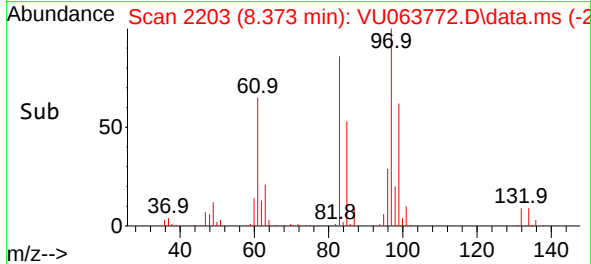
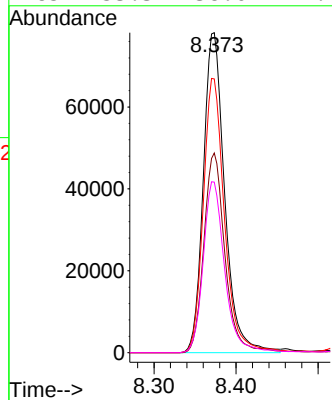
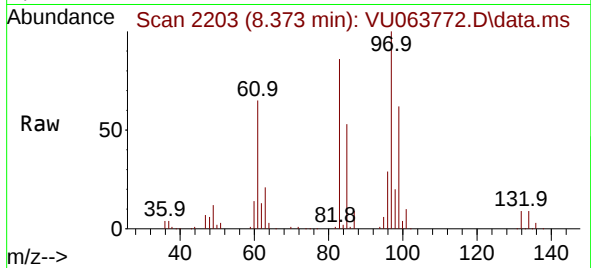


#45
1,1,2-Trichloroethane
Concen: 50.559 ug/L
RT: 8.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

Tgt Ion: 97 Resp: 141262

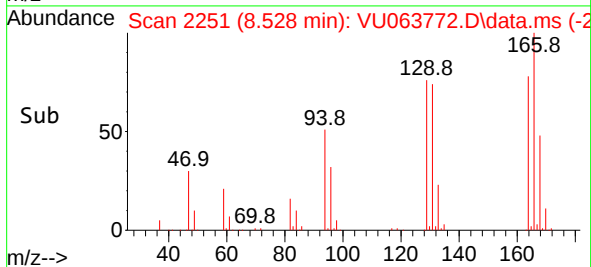
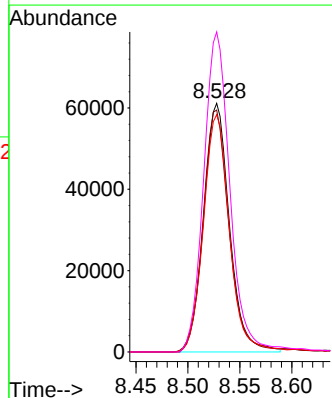
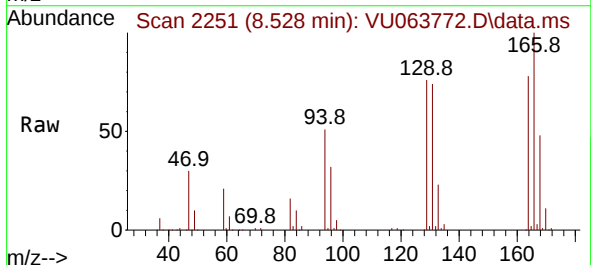
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.7	81.1
83	85.5	59.7	110.9
85	53.3	38.6	71.6

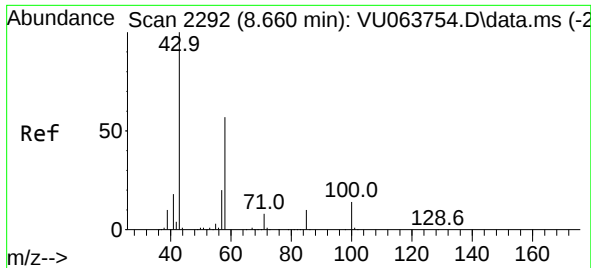


#46
Tetrachloroethene
Concen: 47.172 ug/L
RT: 8.528 min Scan# 2251
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Tgt Ion: 164 Resp: 105723

Ion	Ratio	Lower	Upper
164	100		
129	97.3	68.5	127.3
131	95.4	64.3	119.3
166	128.7	89.5	166.1



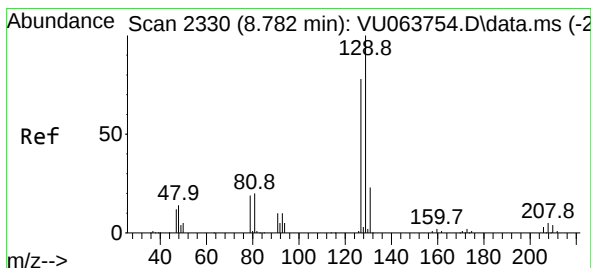
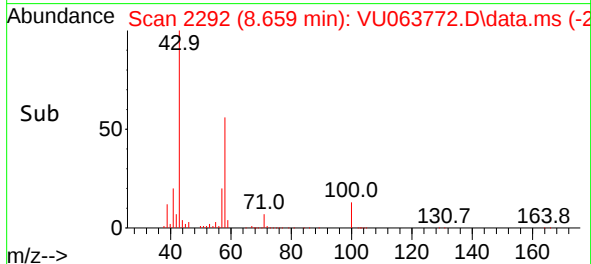
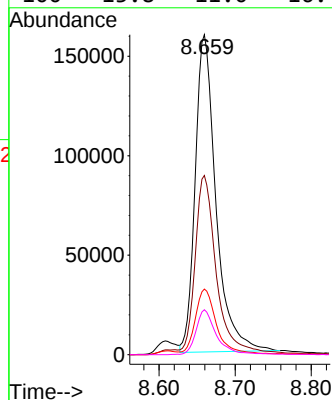
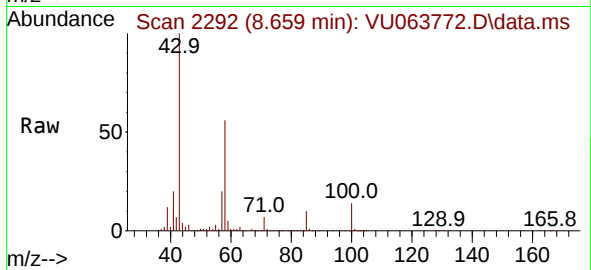


#48
2-Hexanone
Concen: 100.995 ug/L
RT: 8.659 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

Tgt Ion: 43 Resp: 303135

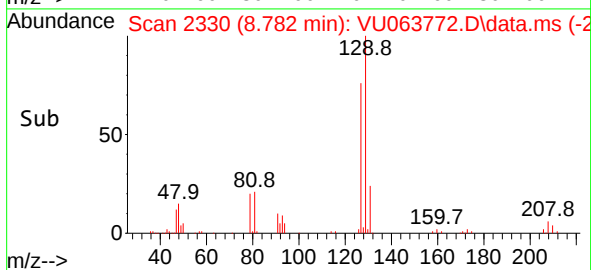
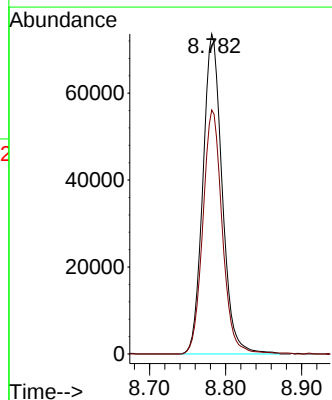
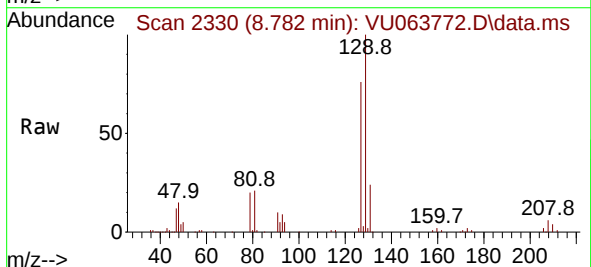
Ion	Ratio	Lower	Upper
43	100		
58	57.0	44.8	67.2
57	21.1	16.6	24.8
100	13.8	11.0	16.4

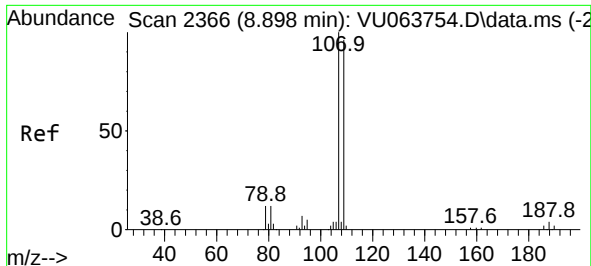


#49
Dibromochloromethane
Concen: 48.029 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Tgt Ion: 129 Resp: 129593

Ion	Ratio	Lower	Upper
129	100		
127	76.2	53.4	99.2

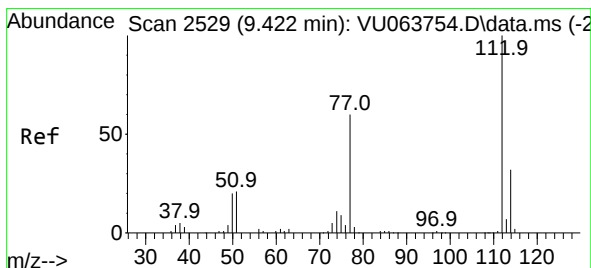
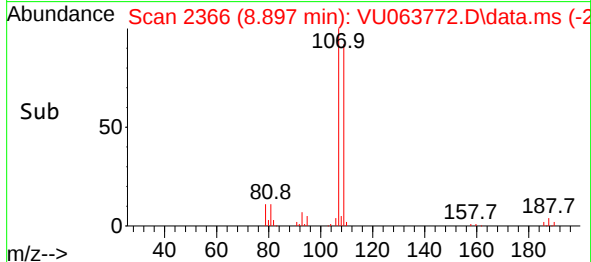
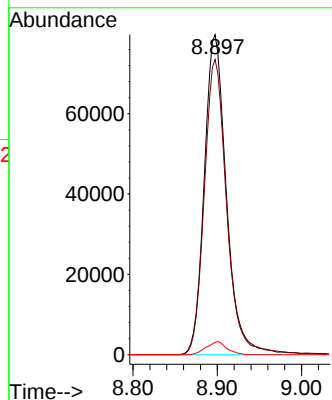
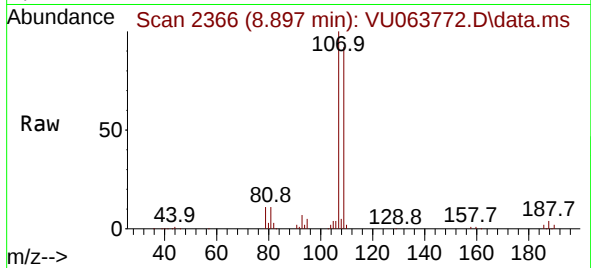




#50
1,2-Dibromoethane
Concen: 49.648 ug/L
RT: 8.897 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

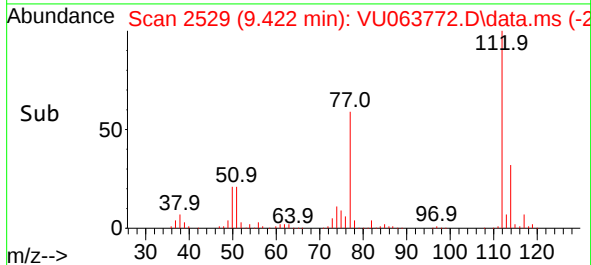
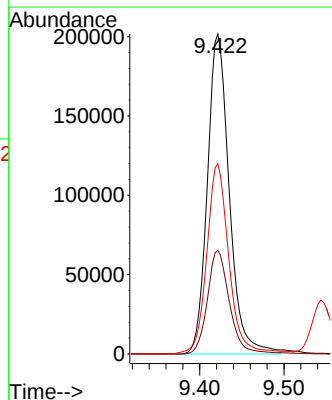
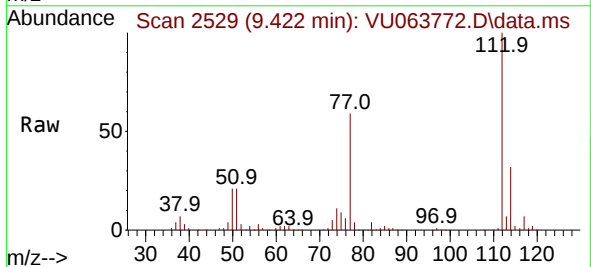
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

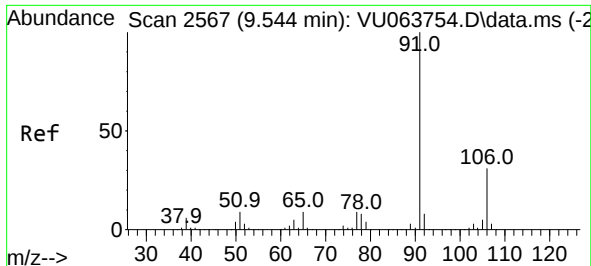
Tgt Ion:107 Resp: 145605
Ion Ratio Lower Upper
107 100
109 92.3 65.8 122.2
188 4.0 3.2 4.8



#51
Chlorobenzene
Concen: 48.210 ug/L
RT: 9.422 min Scan# 2529
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Tgt Ion:112 Resp: 365135
Ion Ratio Lower Upper
112 100
114 32.5 22.1 41.1
77 59.4 48.0 72.0

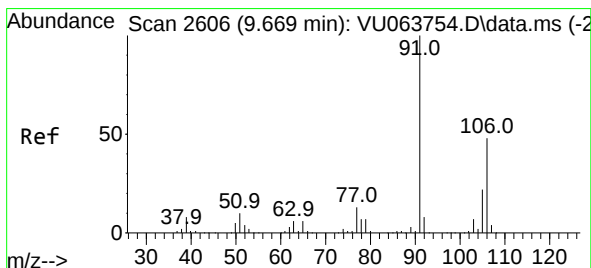
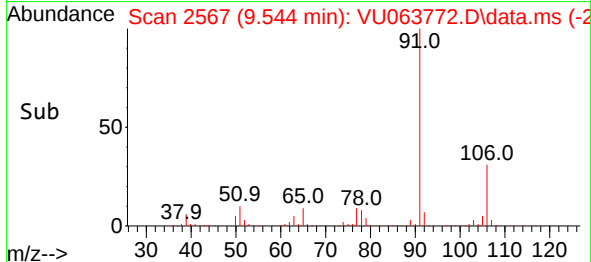
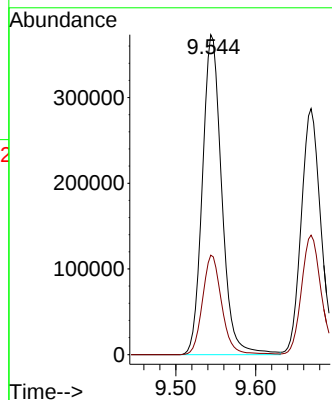
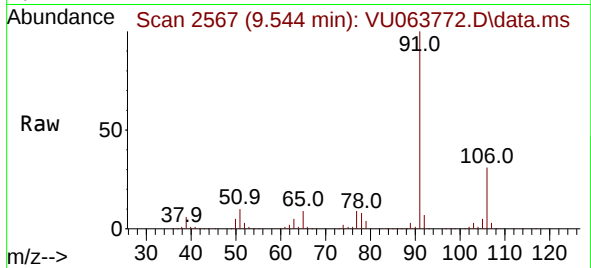




#52
Ethylbenzene
Concen: 48.292 ug/L
RT: 9.544 min Scan# 2567
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

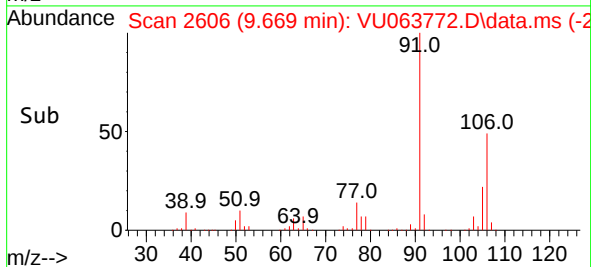
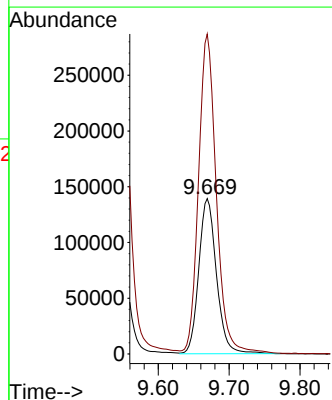
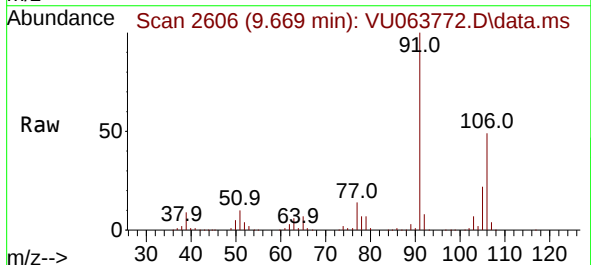
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

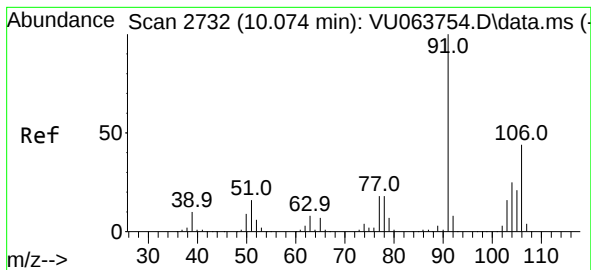
Tgt Ion: 91 Resp: 629329
Ion Ratio Lower Upper
91 100
106 31.1 21.3 39.6



#53
m,p-Xylene
Concen: 48.652 ug/L
RT: 9.669 min Scan# 2606
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Tgt Ion: 106 Resp: 241659
Ion Ratio Lower Upper
106 100
91 205.9 143.6 266.6





#54

o-Xylene

Concen: 49.266 ug/L

RT: 10.074 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

Instrument :

MSVOA_U

ClientSampleId :

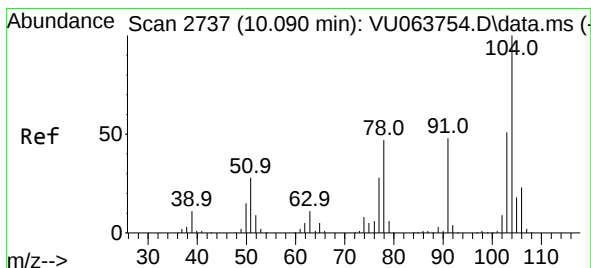
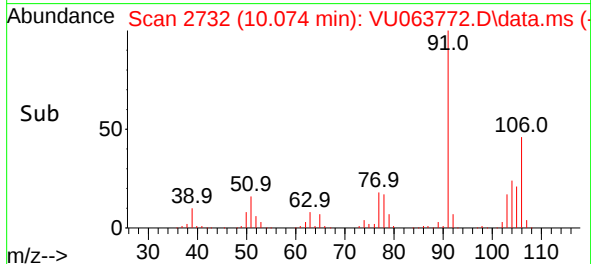
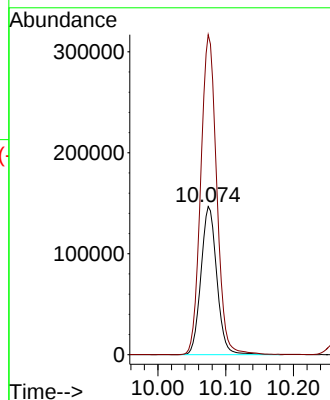
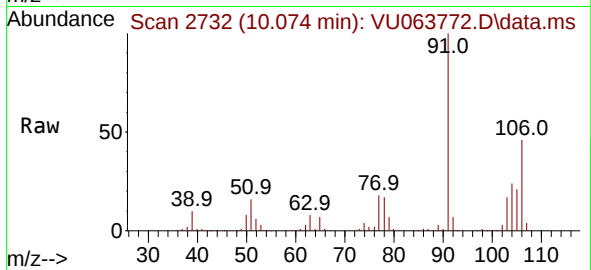
VSTD050116

Tgt Ion:106 Resp: 238310

Ion Ratio Lower Upper

106 100

91 215.9 156.0 289.6



#55

Styrene

Concen: 50.282 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. -0.000 min

Lab File: VU063772.D

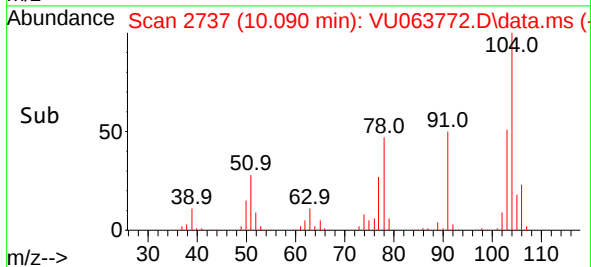
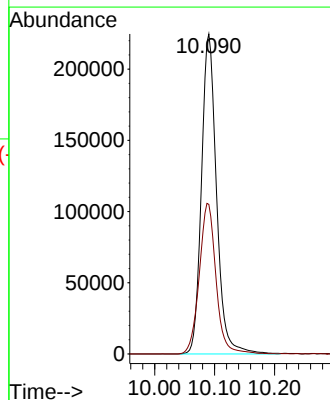
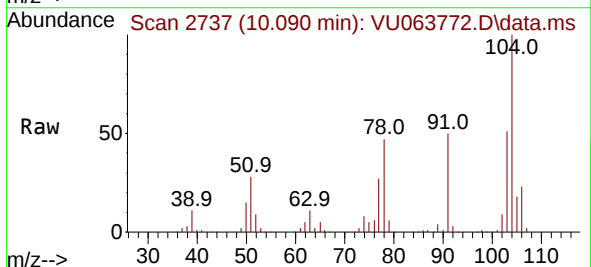
Acq: 21 Nov 2025 16:34

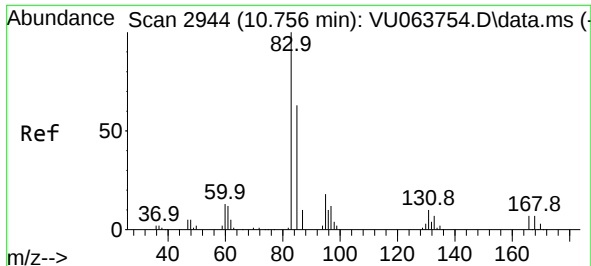
Tgt Ion:104 Resp: 394087

Ion Ratio Lower Upper

104 100

78 46.7 32.0 59.4

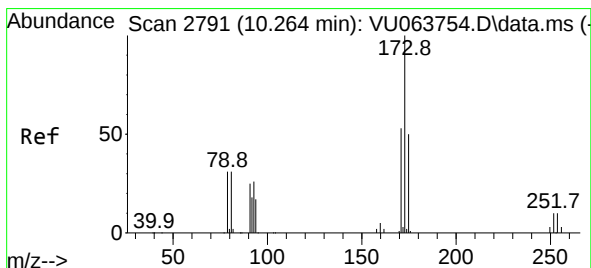
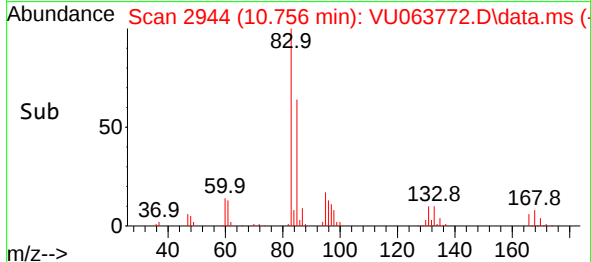
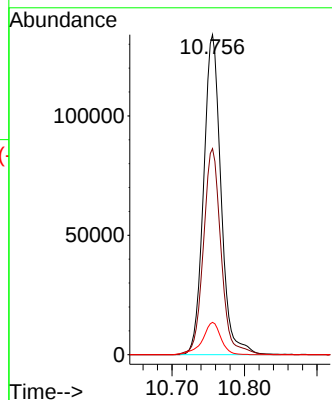
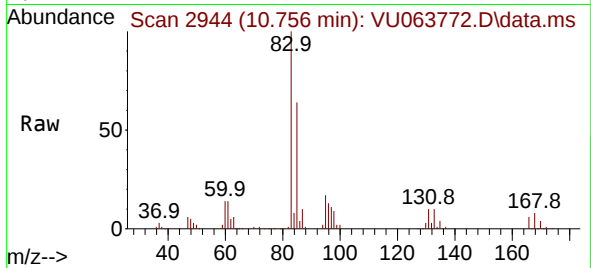




#57
1,1,2-Tetrachloroethane
Concen: 49.054 ug/L
RT: 10.756 min Scan# 2944
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

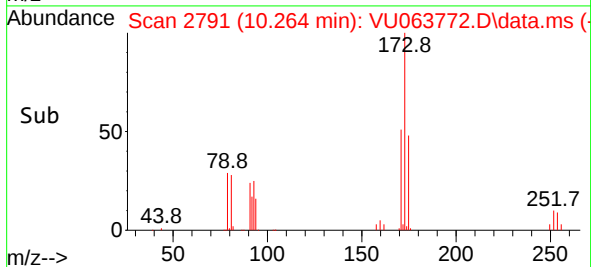
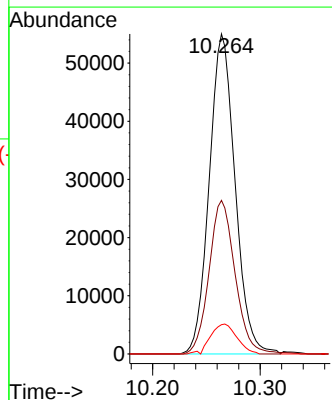
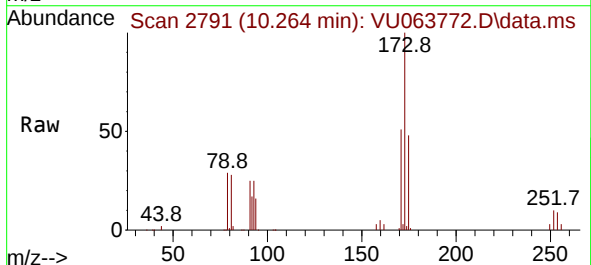
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

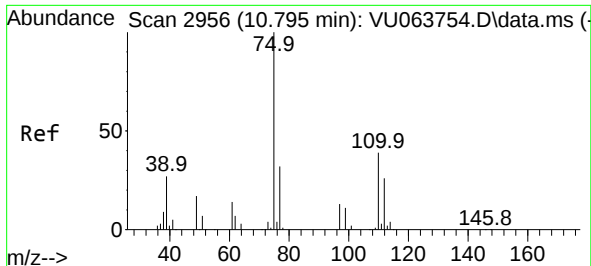
Tgt Ion: 83 Resp: 223228
Ion Ratio Lower Upper
83 100
85 64.4 45.7 84.9
131 10.1 7.4 11.2



#59
Bromoform
Concen: 44.458 ug/L
RT: 10.264 min Scan# 2791
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Tgt Ion: 173 Resp: 91841
Ion Ratio Lower Upper
173 100
175 48.4 38.2 57.4
254 9.3 6.9 10.3

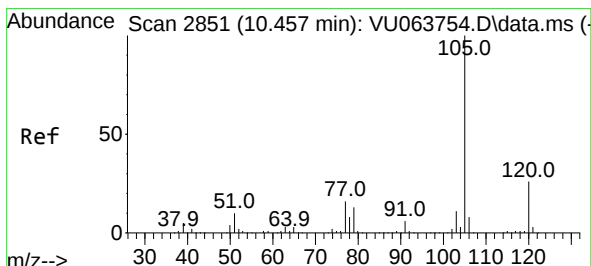
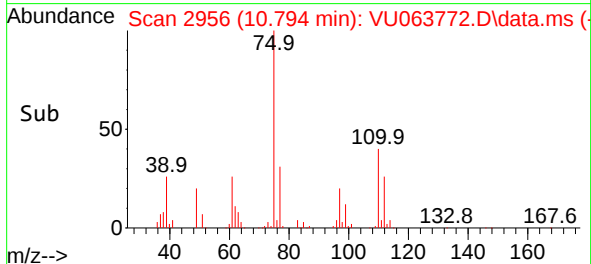
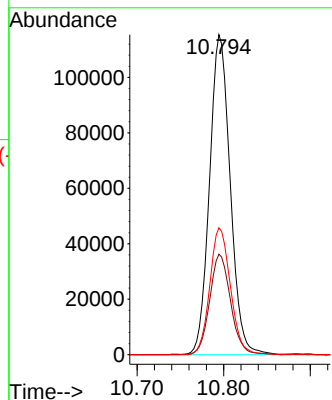
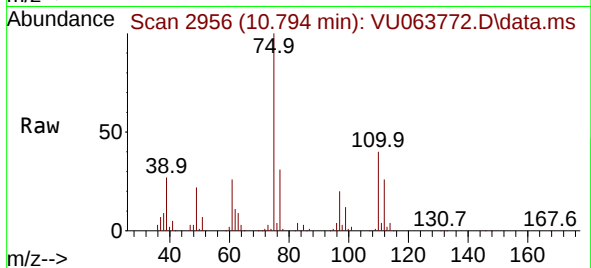




#60
1,2,3-Trichloropropane
Concen: 48.231 ug/L
RT: 10.794 min Scan# 2956
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

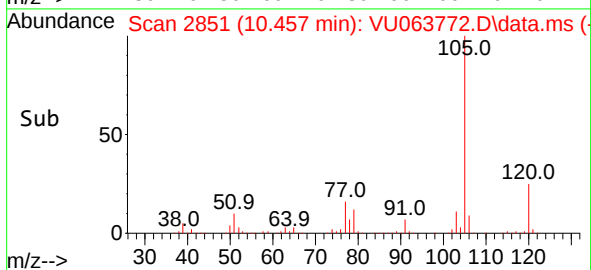
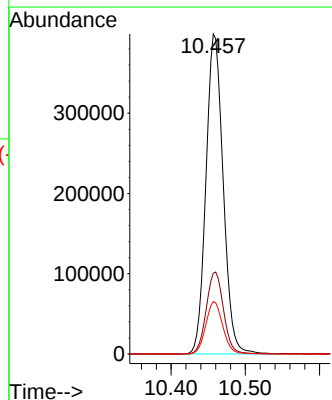
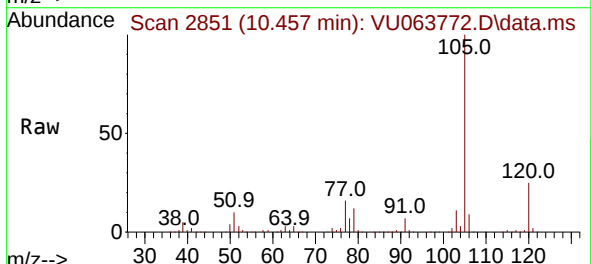
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

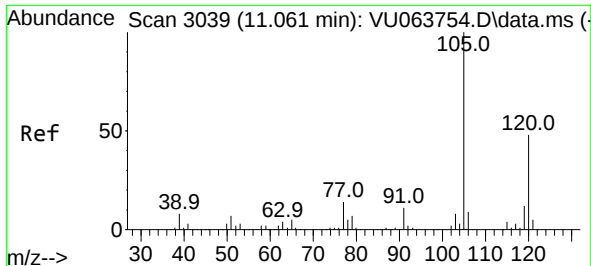
Tgt Ion: 75 Resp: 191491
Ion Ratio Lower Upper
75 100
77 31.8 26.1 39.1
110 39.6 32.3 48.5



#61
Isopropylbenzene
Concen: 46.713 ug/L
RT: 10.457 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Tgt Ion: 105 Resp: 641042
Ion Ratio Lower Upper
105 100
120 25.7 20.7 31.1
77 16.2 12.9 19.3

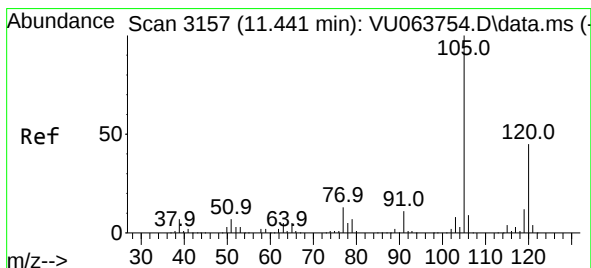
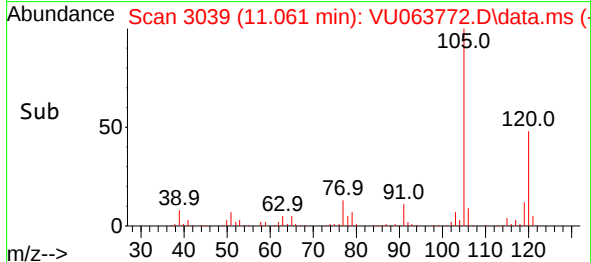
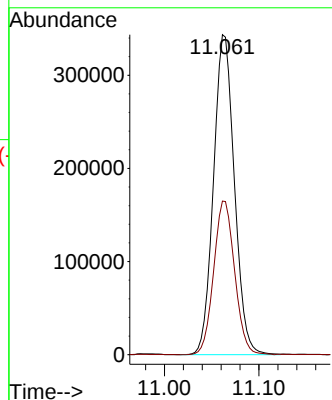
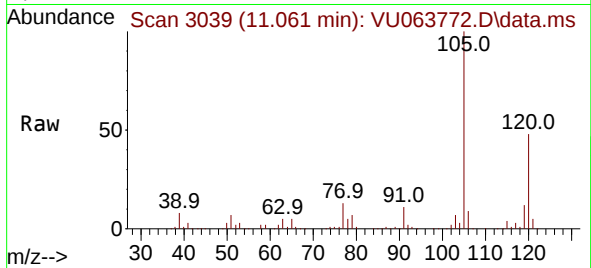




#62
1,3,5-Trimethylbenzene
Concen: 46.755 ug/L
RT: 11.061 min Scan# 3039
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

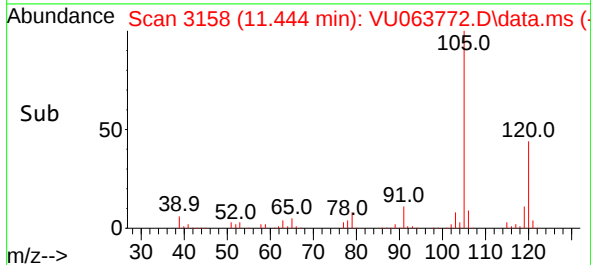
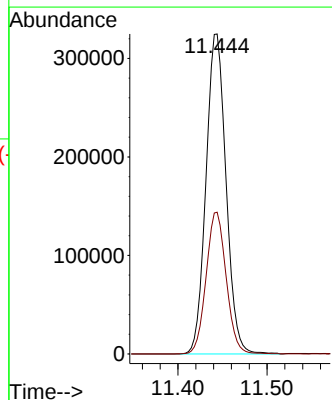
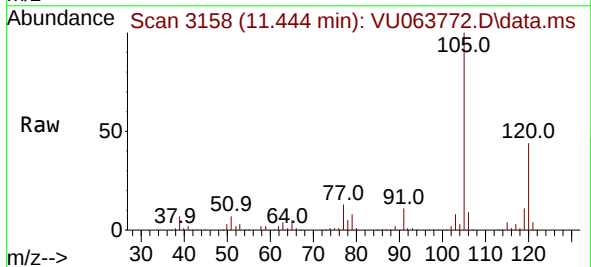
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

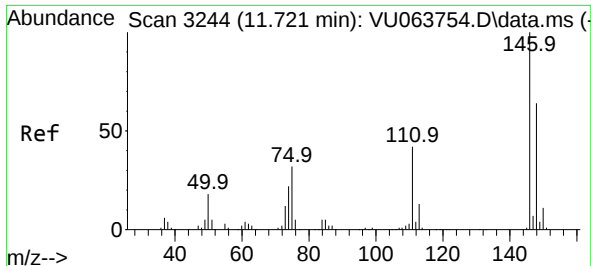
Tgt Ion:105 Resp: 527776
Ion Ratio Lower Upper
105 100
120 48.2 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 47.036 ug/L
RT: 11.444 min Scan# 3158
Delta R.T. 0.003 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Tgt Ion:105 Resp: 506814
Ion Ratio Lower Upper
105 100
120 44.4 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 45.995 ug/L

RT: 11.720 min Scan# 3244

Delta R.T. -0.000 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD050116

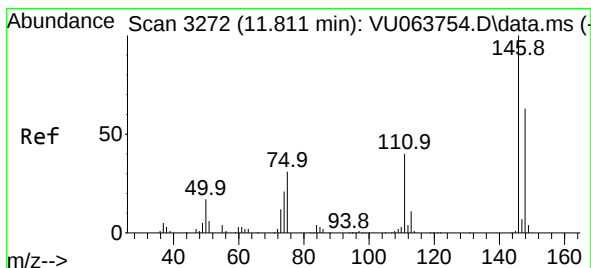
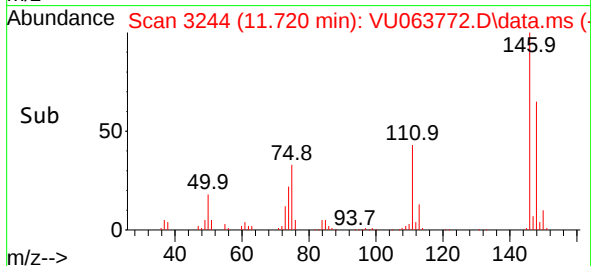
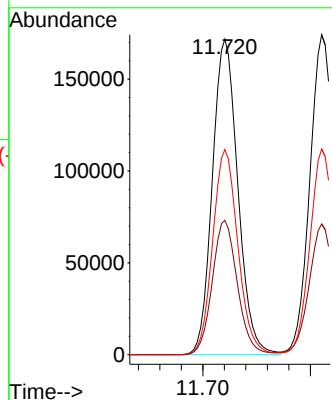
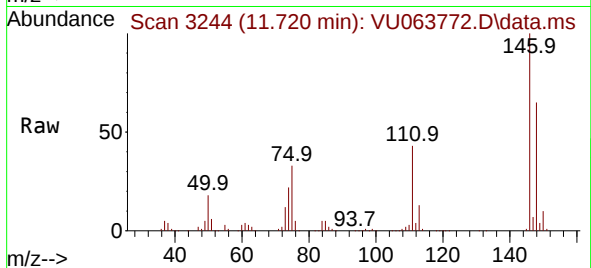
Tgt Ion:146 Resp: 282965

Ion Ratio Lower Upper

146 100

111 42.6 29.8 55.3

148 65.0 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 45.257 ug/L

RT: 11.810 min Scan# 3272

Delta R.T. -0.000 min

Lab File: VU063772.D

Acq: 21 Nov 2025 16:34

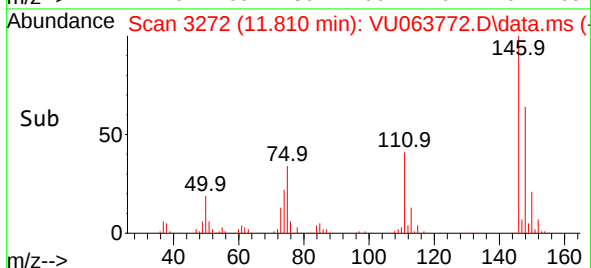
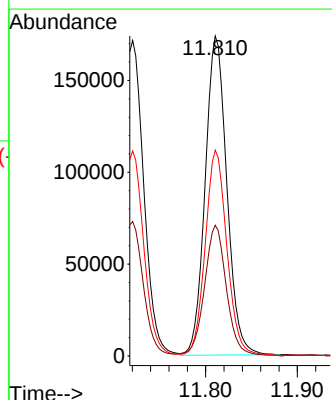
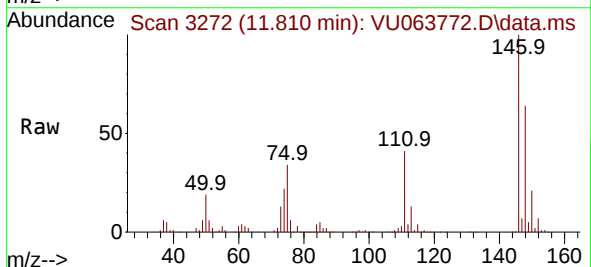
Tgt Ion:146 Resp: 285174

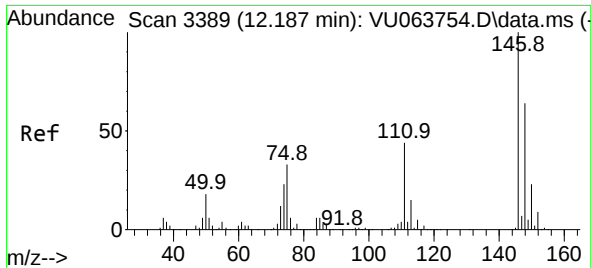
Ion Ratio Lower Upper

146 100

111 40.9 28.8 53.4

148 64.3 44.9 83.3

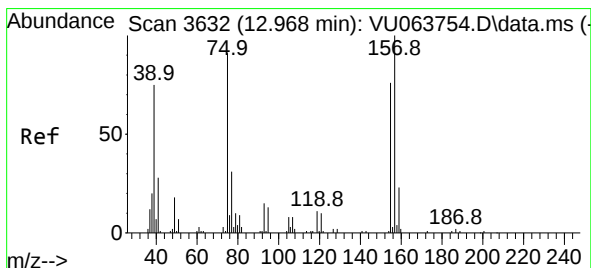
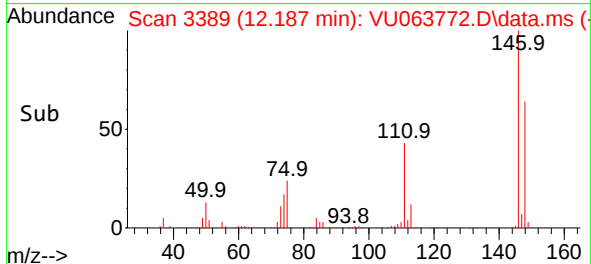
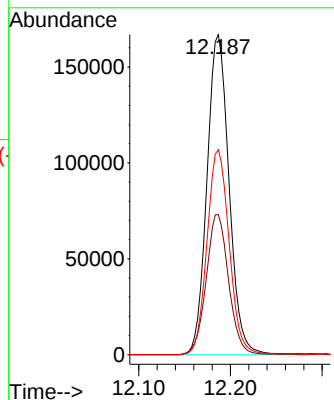
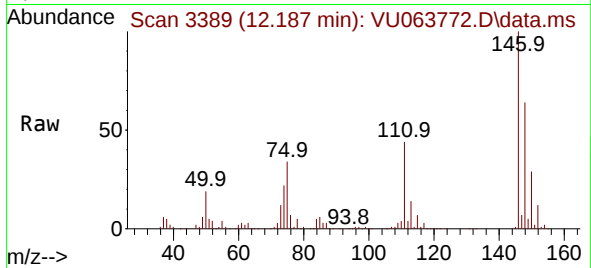




#67
1,2-Dichlorobenzene
Concen: 46.836 ug/L
RT: 12.187 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

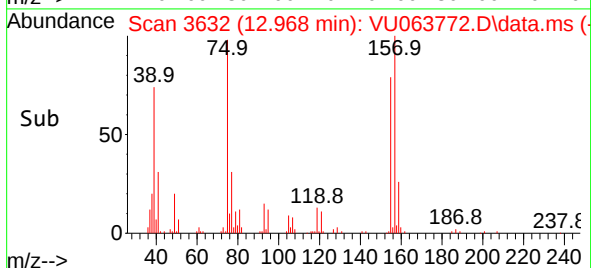
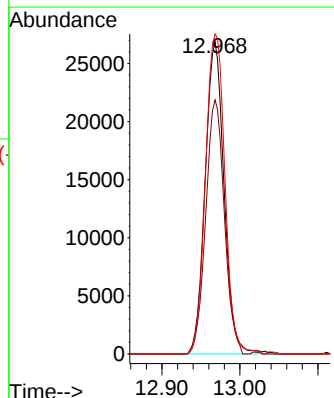
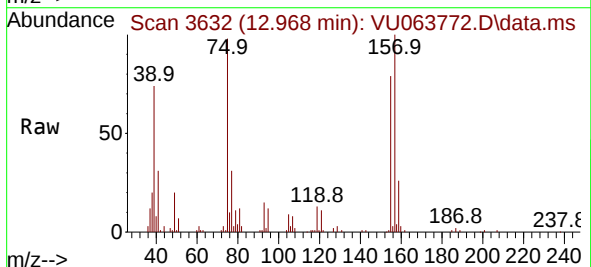
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

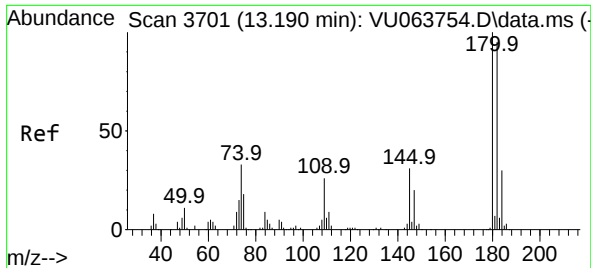
Tgt Ion:146 Resp: 279354
Ion Ratio Lower Upper
146 100
111 43.8 34.2 51.4
148 64.0 49.6 74.4



#68
1,2-Dibromo-3-chloropropane
Concen: 46.243 ug/L
RT: 12.968 min Scan# 3632
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Tgt Ion: 75 Resp: 45335
Ion Ratio Lower Upper
75 100
155 81.4 64.6 97.0
157 106.5 78.8 118.2

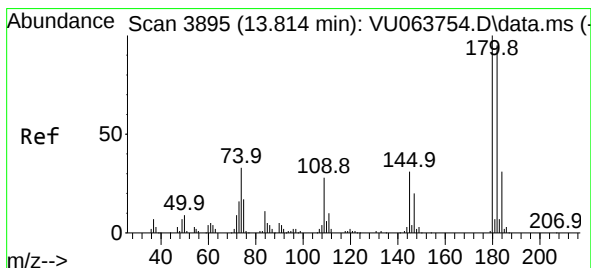
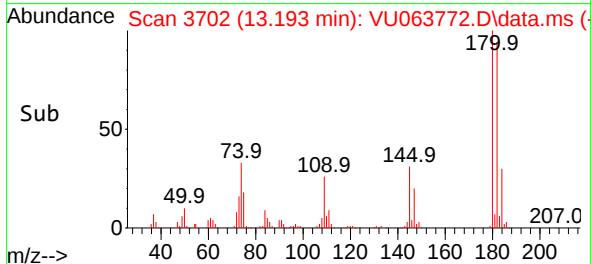
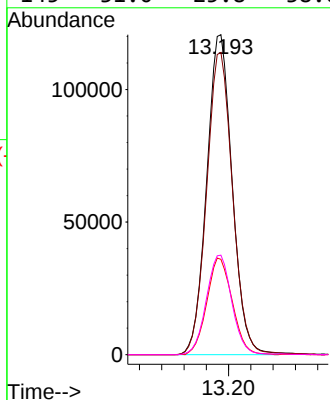
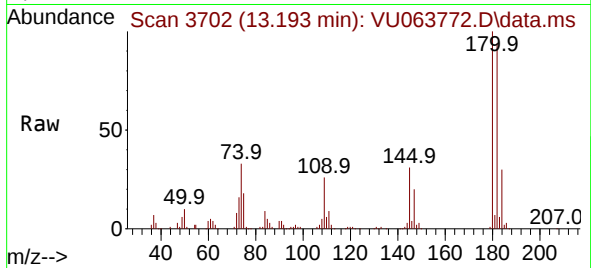




#69
 1,3,5-Trichlorobenzene
 Concen: 46.085 ug/L
 RT: 13.193 min Scan# 3702
 Delta R.T. 0.003 min
 Lab File: VU063772.D
 Acq: 21 Nov 2025 16:34

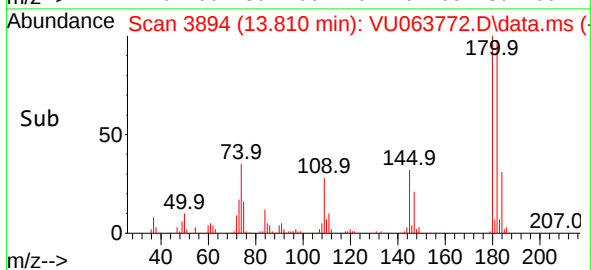
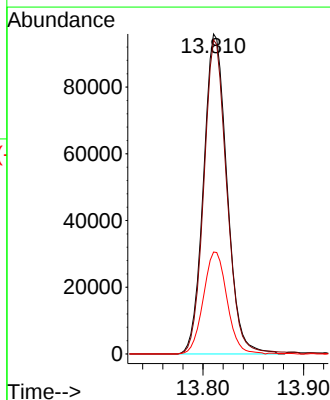
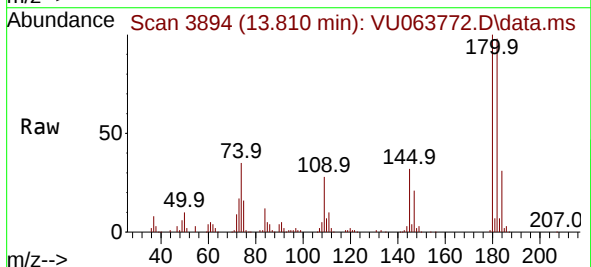
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050116

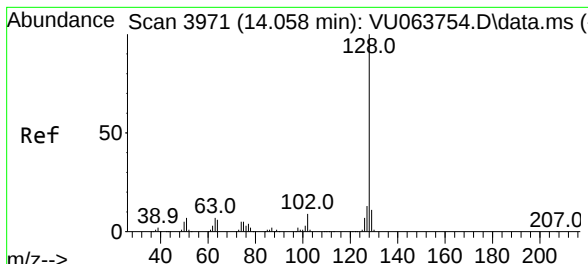
Tgt Ion:180	Resp:	191626
Ion Ratio	Lower	Upper
180	100	
182	96.1	76.4 114.6
184	30.1	24.4 36.6
145	31.0	25.8 38.6



#70
 1,2,4-trichlorobenzene
 Concen: 44.979 ug/L
 RT: 13.810 min Scan# 3894
 Delta R.T. -0.003 min
 Lab File: VU063772.D
 Acq: 21 Nov 2025 16:34

Tgt Ion:180	Resp:	155950
Ion Ratio	Lower	Upper
180	100	
182	95.8	75.8 113.8
145	32.0	25.7 38.5

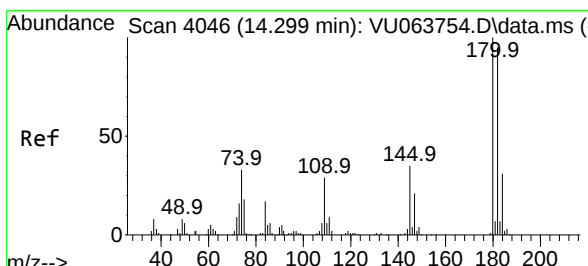
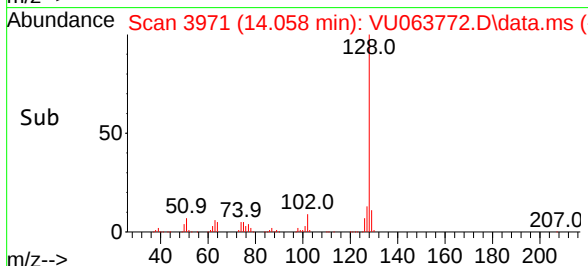
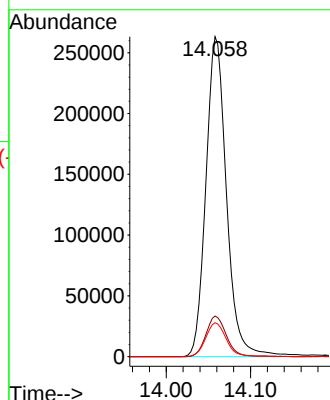
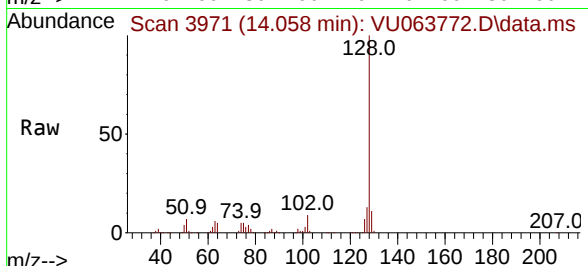




#71
Naphthalene
Concen: 48.431 ug/L
RT: 14.058 min Scan# 3971
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

Tgt Ion:	128	Resp:	446880
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	10.5	8.7	13.1



#72
1,2,3-Trichlorobenzene
Concen: 45.957 ug/L
RT: 14.299 min Scan# 4046
Delta R.T. -0.000 min
Lab File: VU063772.D
Acq: 21 Nov 2025 16:34

Tgt Ion:	180	Resp:	151026
Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.9	115.3
145	33.9	26.6	39.8

