

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
 Data File : VU063769.D
 Acq On : 21 Nov 2025 14:57
 Operator : MD/SY
 Sample : Q3688-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 M-31MSD

Quant Time: Nov 21 22:31:40 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	339324	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	334237	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	181741	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	124914	42.630	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.260%
7) Chloroethane-d5	1.891	69	99438	44.048	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.100%
11) 1,1-Dichloroethene-d2	2.541	63	229971	45.278	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.560%
21) 2-Butanone-d5	4.596	46	155036	92.809	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.810%
24) Chloroform-d	5.030	84	233372	47.469	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.940%
26) 1,2-Dichloroethane-d4	5.669	65	152759	47.253	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.500%
32) Benzene-d6	5.695	84	429045	43.793	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.580%
36) 1,2-Dichloropropane-d6	6.660	67	129795	45.128	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.260%
41) Toluene-d8	7.872	98	417615	44.895	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.780%
43) trans-1,3-Dichloroprop...	8.155	79	50132	42.179	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.360%
47) 2-Hexanone-d5	8.608	63	97802	93.527	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.530%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	200020	47.556	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.120%
66) 1,2-Dichlorobenzene-d4	12.168	152	157766	45.985	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	93673	47.433	ug/L	98
3) Chloromethane	1.509	50	101061	45.229	ug/L	100
5) Vinyl chloride	1.589	62	125800	48.422	ug/L	100
6) Bromomethane	1.837	94	84453	51.296	ug/L	99
8) Chloroethane	1.914	64	86157	49.683	ug/L	100
9) Trichlorofluoromethane	2.116	101	205086	50.050	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	116420	48.071	ug/L	98
12) 1,1-Dichloroethene	2.554	96	106170	47.933	ug/L	91
13) Acetone	2.602	43	129402	57.238	ug/L	99
14) Carbon disulfide	2.766	76	242999	42.117	ug/L	99
15) Methyl Acetate	2.927	43	131961	48.608	ug/L	99
16) Methylene chloride	3.014	84	124889	48.366	ug/L	98
17) trans-1,2-Dichloroethene	3.322	96	113141	47.910	ug/L	95
18) Methyl tert-butyl Ether	3.335	73	380824	47.649	ug/L	100
19) 1,1-Dichloroethane	3.833	63	217843	47.872	ug/L	99
20) cis-1,2-Dichloroethene	4.634	96	137463	50.569	ug/L	96
22) 2-Butanone	4.673	43	180590	71.902	ug/L	98
23) Bromochloromethane	4.943	128	68883	49.288	ug/L	96
25) Chloroform	5.055	83	244947	49.729	ug/L	98

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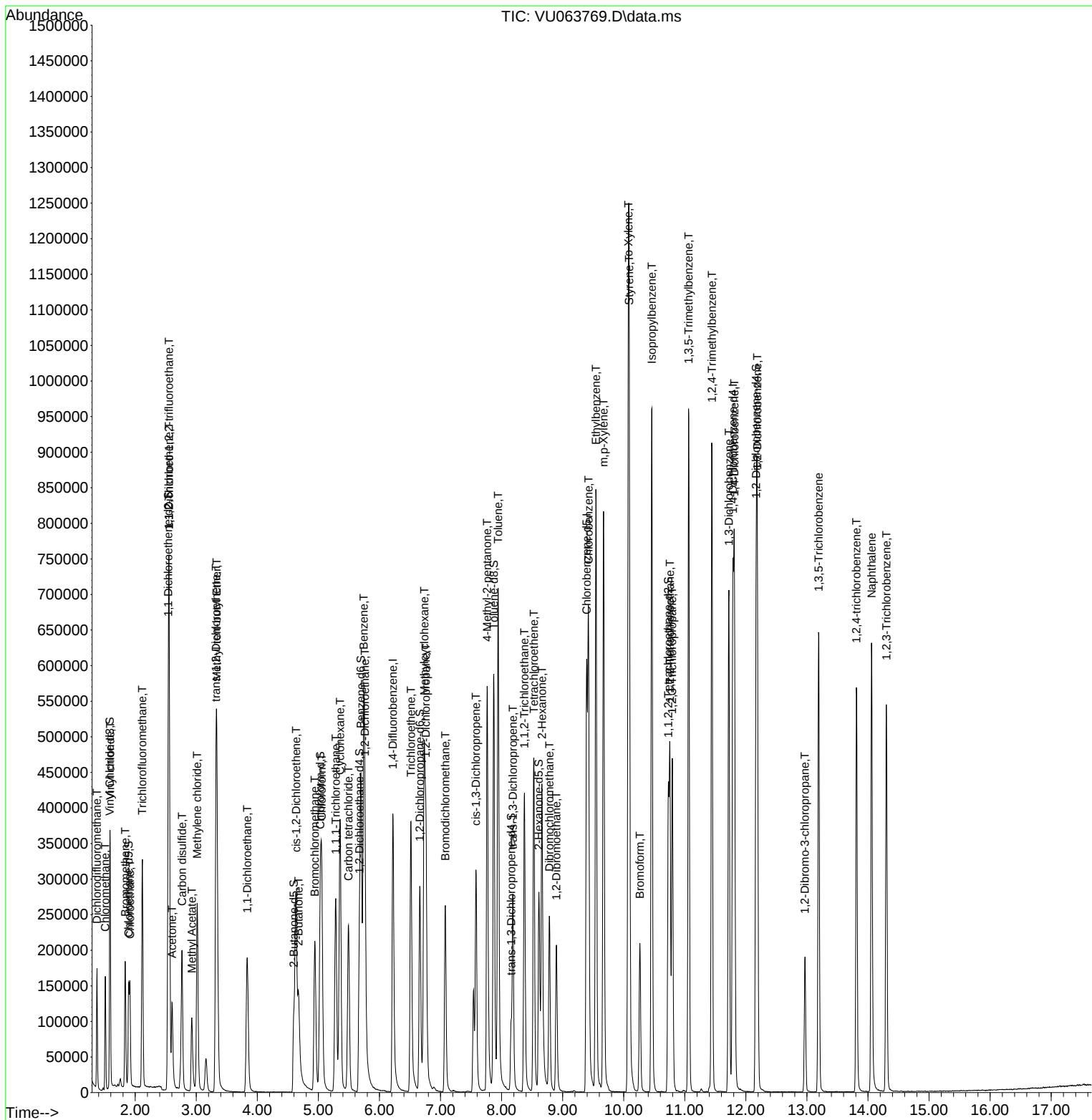
Instrument :
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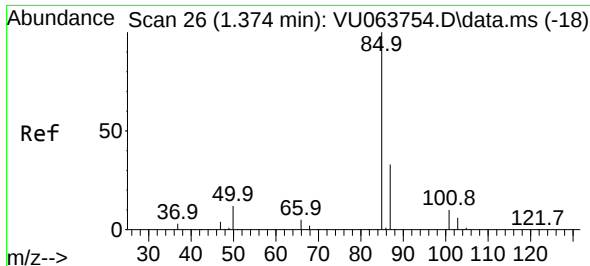
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	199616	49.643	ug/L	100
29) Cyclohexane	5.354	56	194837	46.331	ug/L	95
30) 1,1,1-Trichloroethane	5.284	97	201082	47.114	ug/L	99
31) Carbon tetrachloride	5.493	117	158715	47.293	ug/L	98
33) Benzene	5.743	78	498474	48.898	ug/L	100
34) Trichloroethene	6.515	95	141520	48.155	ug/L	98
35) Methylcyclohexane	6.734	83	200461	46.466	ug/L	96
37) 1,2-Dichloropropane	6.759	63	128858	48.639	ug/L	99
38) Bromodichloromethane	7.078	83	173773	47.900	ug/L	96
39) cis-1,3-Dichloropropene	7.579	75	173909	44.263	ug/L	99
40) 4-Methyl-2-pentanone	7.763	43	376367	98.146	ug/L	99
42) Toluene	7.943	91	543735	48.313	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	153497	44.756	ug/L	99
45) 1,1,2-Trichloroethane	8.373	97	137577	49.103	ug/L	98
46) Tetrachloroethene	8.528	164	106214	47.260	ug/L	98
48) 2-Hexanone	8.660	43	290095	96.382	ug/L	99
49) Dibromochloromethane	8.782	129	126850	46.881	ug/L	98
50) 1,2-Dibromoethane	8.898	107	140914	47.915	ug/L	98
51) Chlorobenzene	9.422	112	365504	48.125	ug/L	99
52) Ethylbenzene	9.544	91	622514	47.636	ug/L	99
53) m,p-Xylene	9.669	106	240158	48.216	ug/L	97
54) o-Xylene	10.074	106	234522	48.349	ug/L	97
55) Styrene	10.090	104	390606	49.699	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.756	83	222297	48.714	ug/L	100
59) Bromoform	10.264	173	91801	44.479	ug/L	99
60) 1,2,3-Trichloropropane	10.795	75	188477	47.515	ug/L	99
61) Isopropylbenzene	10.460	105	634787	46.299	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	520959	46.192	ug/L	99
63) 1,2,4-Trimethylbenzene	11.444	105	504302	46.845	ug/L	99
64) 1,3-Dichlorobenzene	11.721	146	282971	46.037	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	291460	46.296	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	277649	46.592	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.965	75	46141	47.107	ug/L	98
69) 1,3,5-Trichlorobenzene	13.193	180	195440	47.045	ug/L	98
70) 1,2,4-trichlorobenzene	13.811	180	164746	47.558	ug/L	98
71) Naphthalene	14.058	128	514590	55.819	ug/L	99
72) 1,2,3-Trichlorobenzene	14.299	180	160182	48.787	ug/L	99

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

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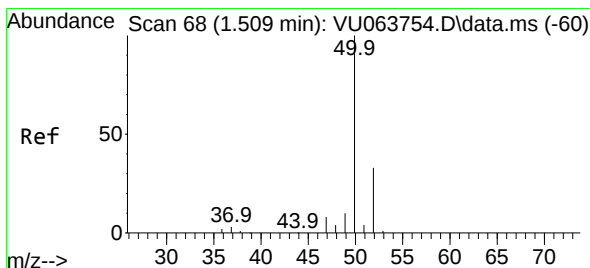
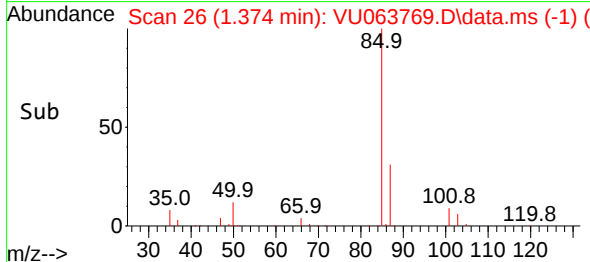
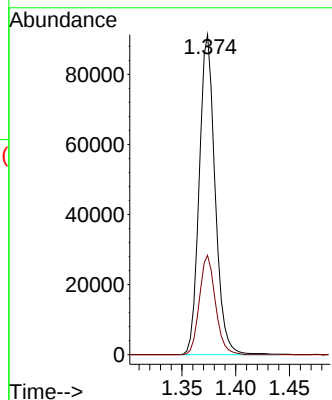
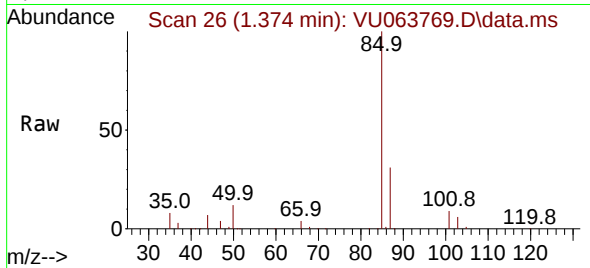




#2
Dichlorodifluoromethane
Concen: 47.433 ug/L
RT: 1.374 min Scan# 20
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

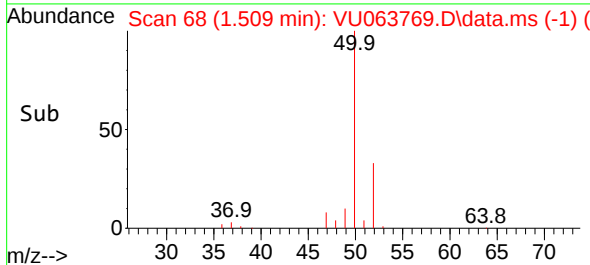
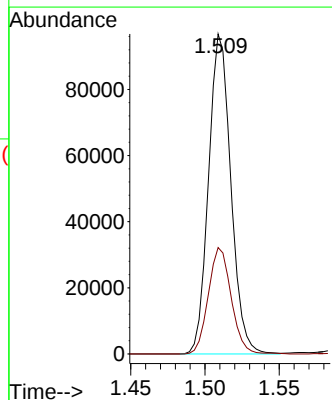
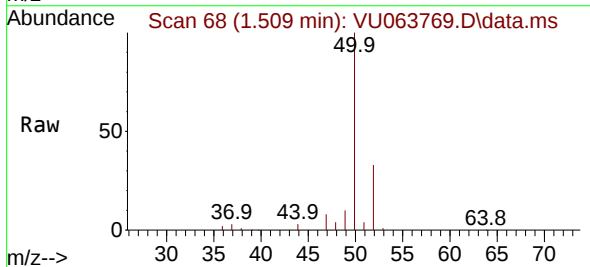
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

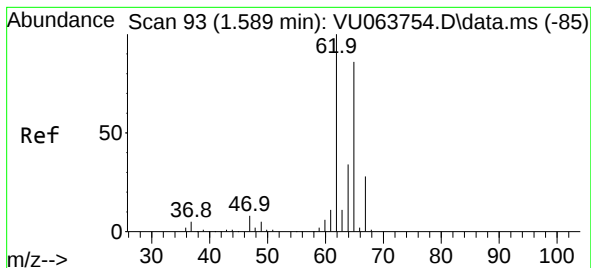
Tgt Ion: 85 Resp: 93673
Ion Ratio Lower Upper
85 100
87 31.3 26.2 39.2



#3
Chloromethane
Concen: 45.229 ug/L
RT: 1.509 min Scan# 68
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 50 Resp: 101061
Ion Ratio Lower Upper
50 100
52 33.2 23.2 43.2





#5

Vinyl chloride

Concen: 48.422 ug/L

RT: 1.589 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Instrument :

MSVOA_U

ClientSampleId :

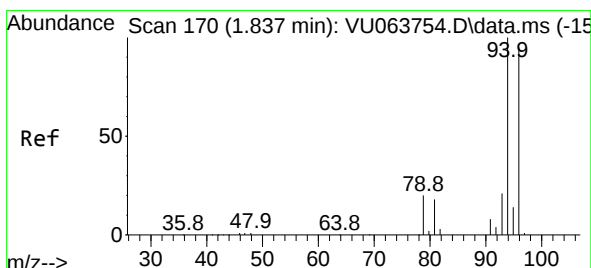
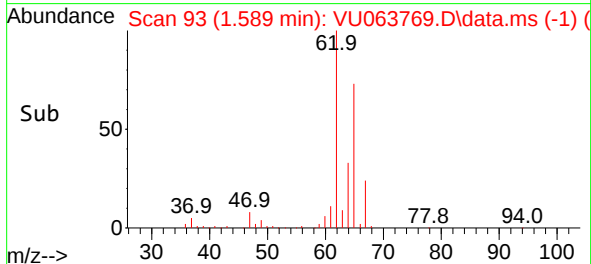
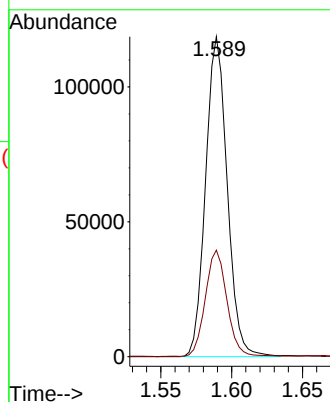
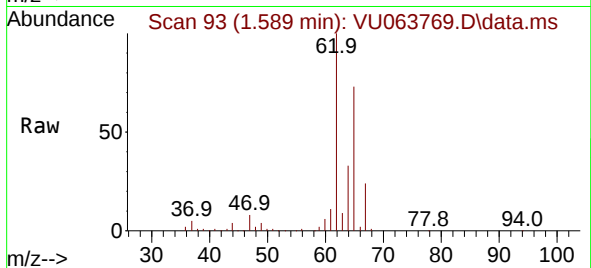
M-31SMSD

Tgt Ion: 62 Resp: 125800

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.2



#6

Bromomethane

Concen: 51.296 ug/L

RT: 1.837 min Scan# 170

Delta R.T. 0.000 min

Lab File: VU063769.D

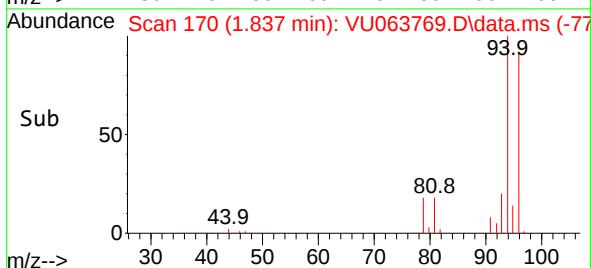
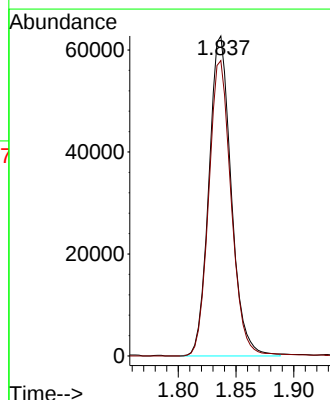
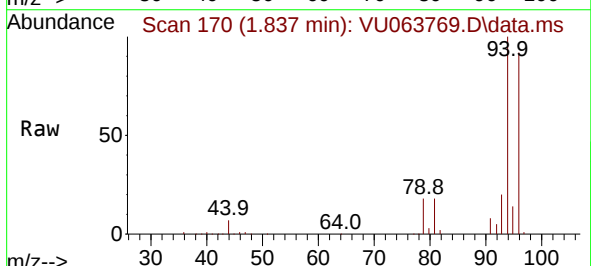
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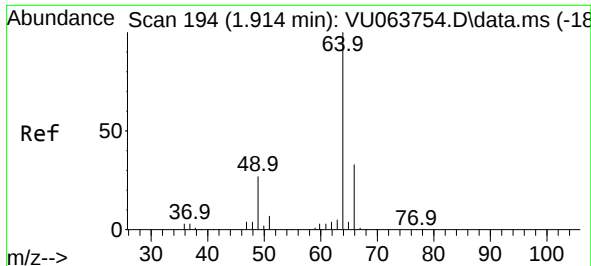
Tgt Ion: 94 Resp: 84453

Ion Ratio Lower Upper

94 100

96 92.3 63.8 118.4





#8

Chloroethane

Concen: 49.683 ug/L

RT: 1.914 min Scan# 194

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Instrument :

MSVOA_U

ClientSampleId :

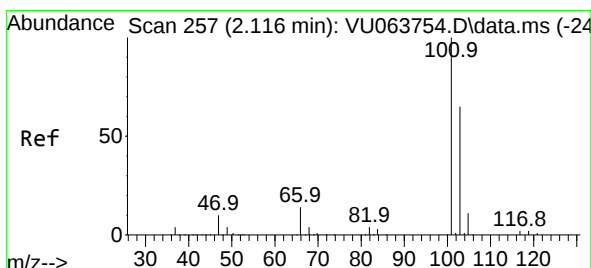
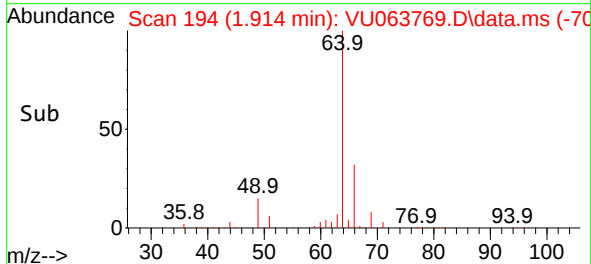
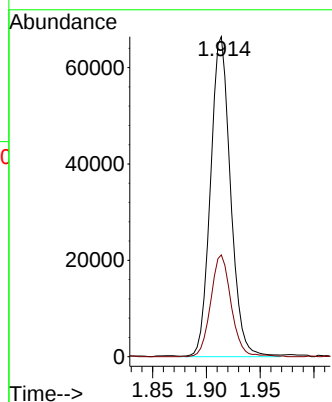
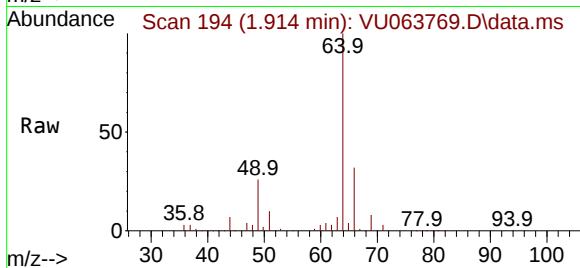
M-31SMSD

Tgt Ion: 64 Resp: 86157

Ion Ratio Lower Upper

64 100

66 31.8 22.4 41.6



#9

Trichlorofluoromethane

Concen: 50.050 ug/L

RT: 2.116 min Scan# 257

Delta R.T. 0.000 min

Lab File: VU063769.D

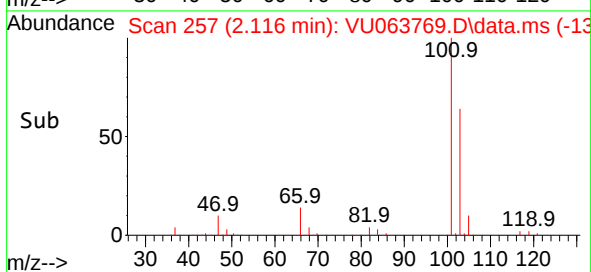
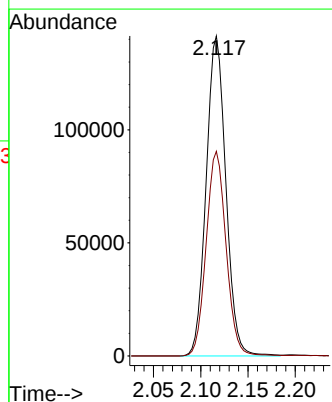
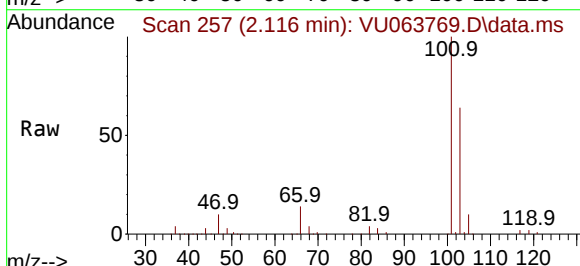
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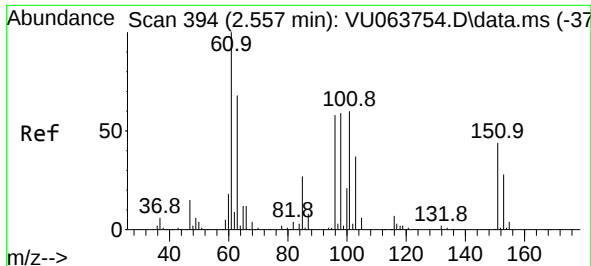
Tgt Ion:101 Resp: 205086

Ion Ratio Lower Upper

101 100

103 64.7 52.0 78.0





#10

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

Concen: 48.071 ug/L

RT: 2.554 min Scan# 393

Delta R.T. -0.003 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Instrument :

MSVOA_U

ClientSampleId :

M-31SMSD

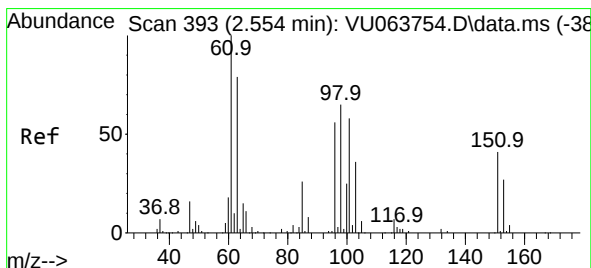
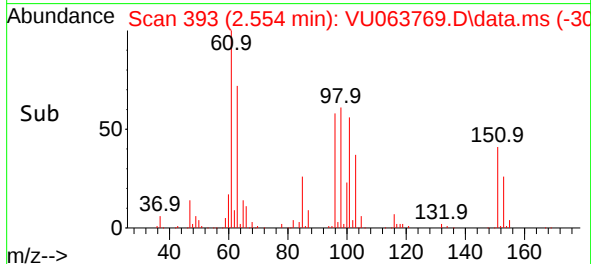
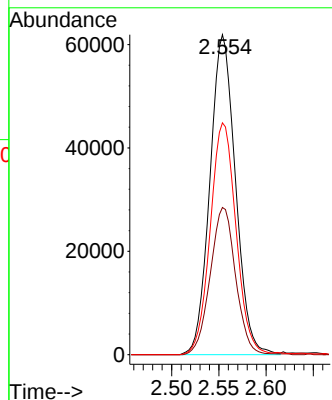
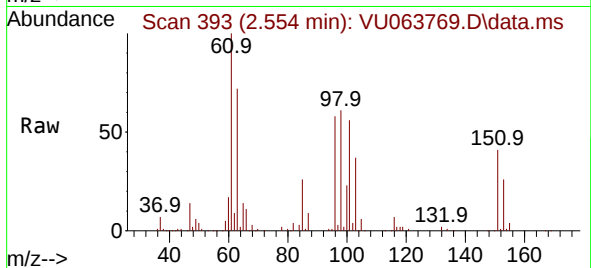
Tgt Ion:101 Resp: 116420

Ion Ratio Lower Upper

101 100

85 45.7 36.3 54.5

151 73.1 60.1 90.1



#12

1,1-Dichloroethene

Concen: 47.933 ug/L

RT: 2.554 min Scan# 393

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

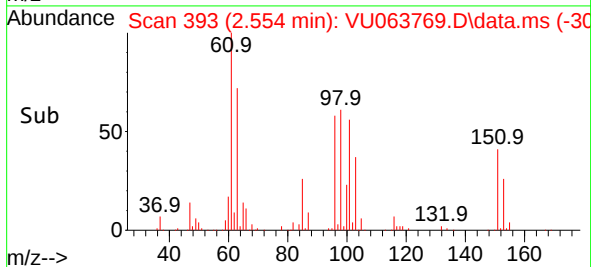
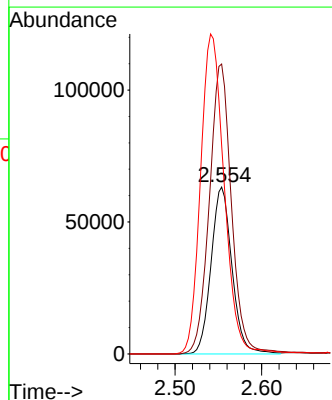
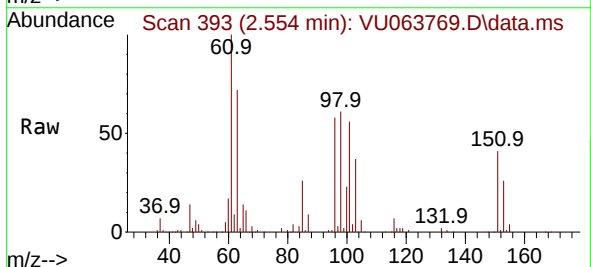
Tgt Ion: 96 Resp: 106170

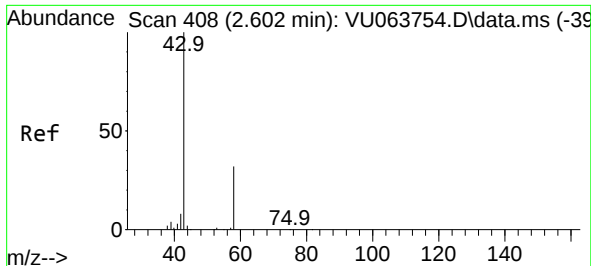
Ion Ratio Lower Upper

96 100

61 173.8 123.3 228.9

63 125.2 103.3 191.8





#13

Acetone

Concen: 57.238 ug/L

RT: 2.602 min Scan# 408

Delta R.T. 0.000 min

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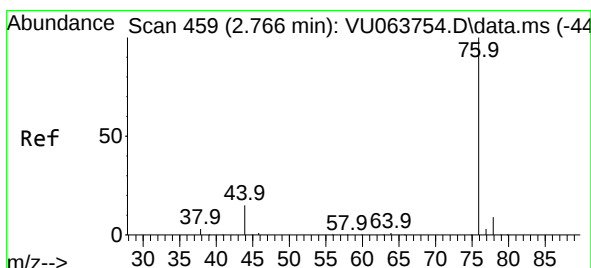
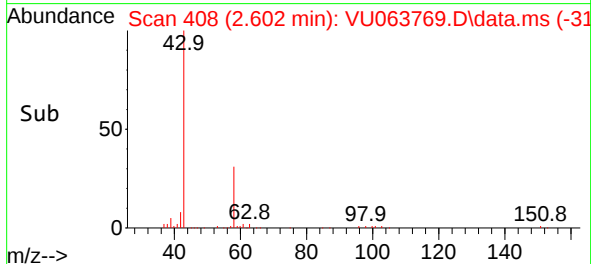
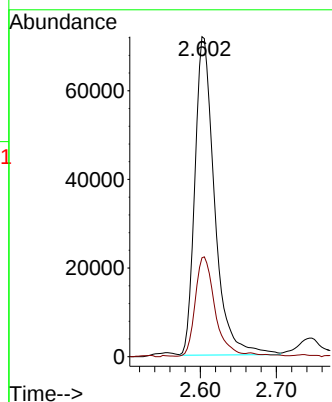
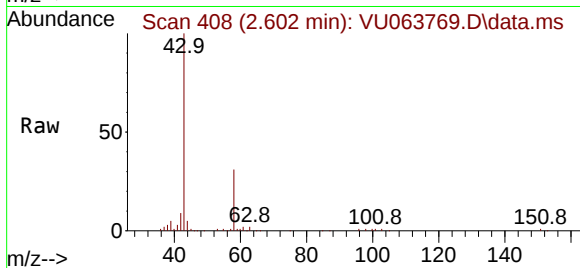
M-31SMSD

Tgt Ion: 43 Resp: 129402

Ion Ratio Lower Upper

43 100

58 30.9 0.0 63.4



#14

Carbon disulfide

Concen: 42.117 ug/L

RT: 2.766 min Scan# 459

Delta R.T. 0.000 min

Lab File: VU063769.D

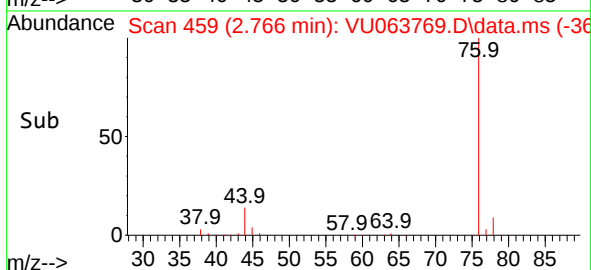
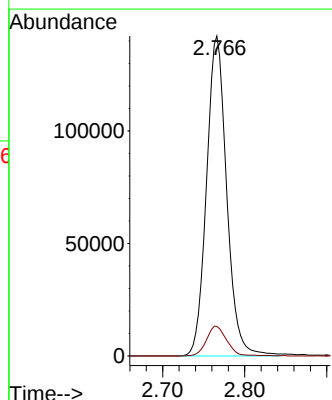
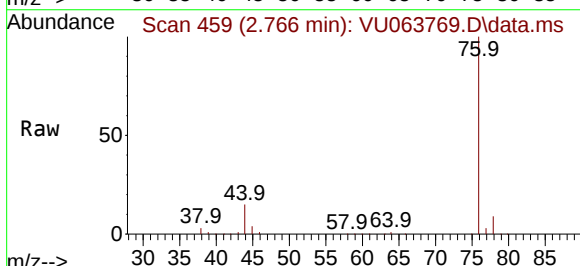
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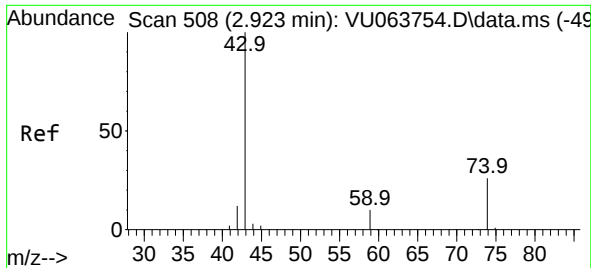
Tgt Ion: 76 Resp: 242999

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.6

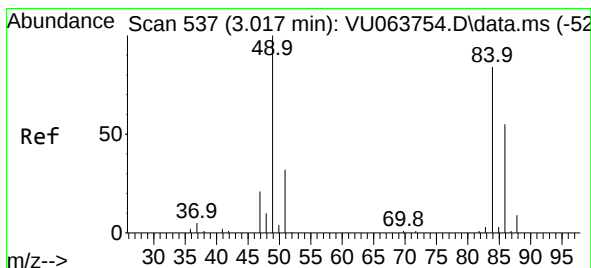
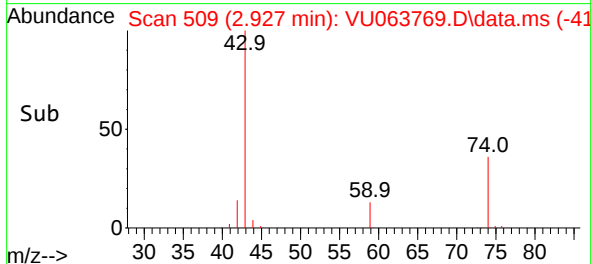
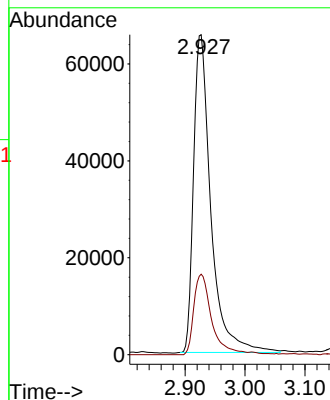
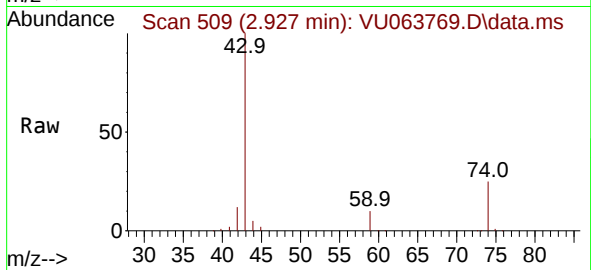




#15
Methyl Acetate
Concen: 48.608 ug/L
RT: 2.927 min Scan# 509
Delta R.T. 0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

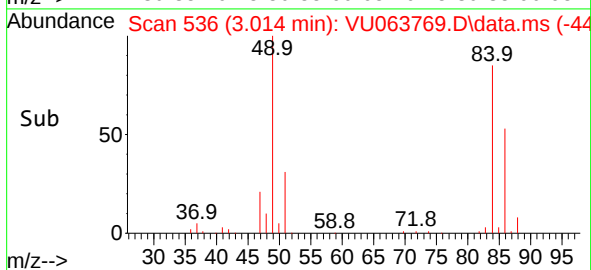
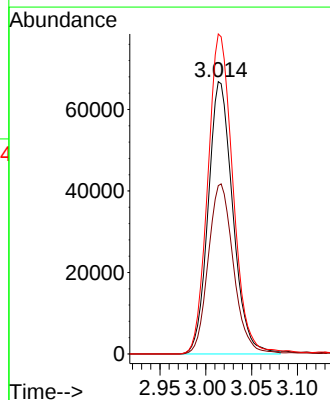
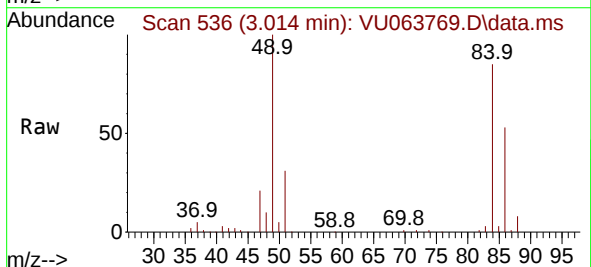
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

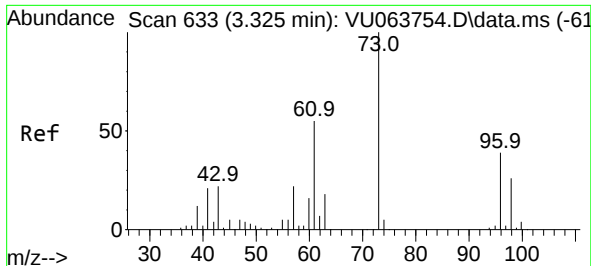
Tgt Ion: 43 Resp: 131961
Ion Ratio Lower Upper
43 100
74 25.9 20.5 30.7



#16
Methylene chloride
Concen: 48.366 ug/L
RT: 3.014 min Scan# 536
Delta R.T. -0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 84 Resp: 124889
Ion Ratio Lower Upper
84 100
86 61.8 45.2 84.0
49 117.5 83.6 155.2





#17

trans-1,2-Dichloroethene

Concen: 47.910 ug/L

RT: 3.322 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Instrument :

MSVOA_U

ClientSampleId :

M-31SMSD

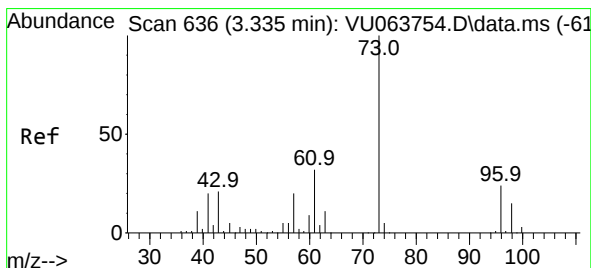
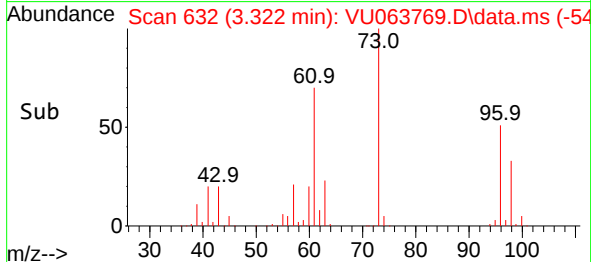
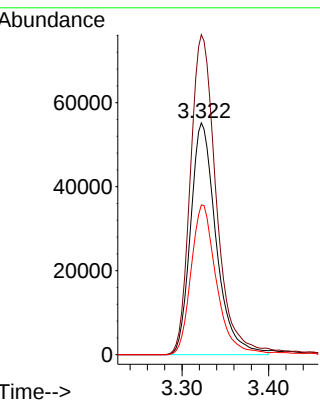
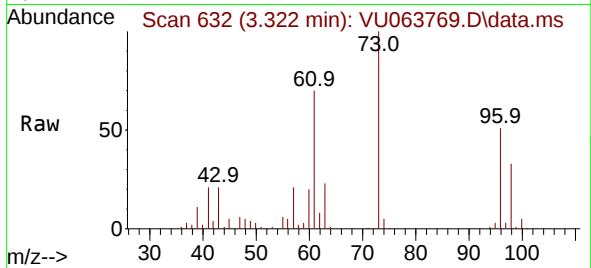
Tgt Ion: 96 Resp: 113141

Ion Ratio Lower Upper

96 100

61 138.1 92.7 172.1

98 64.6 43.2 80.2



#18

Methyl tert-butyl Ether

Concen: 47.649 ug/L

RT: 3.335 min Scan# 636

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

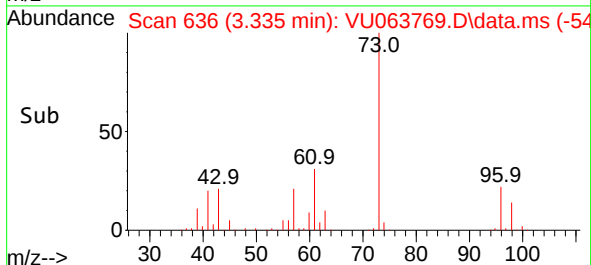
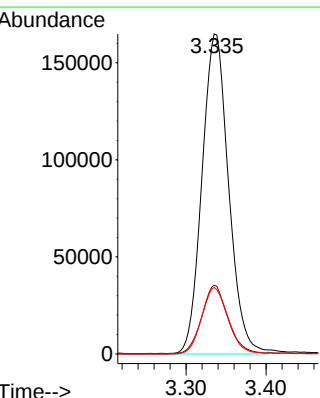
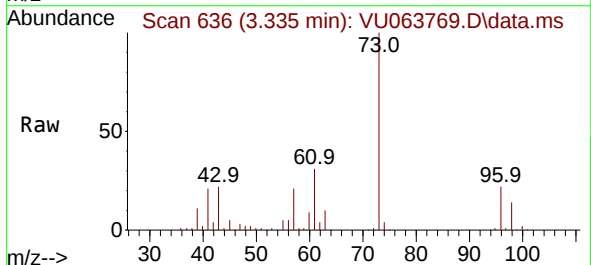
Tgt Ion: 73 Resp: 380824

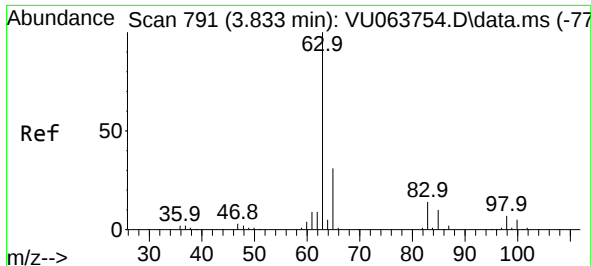
Ion Ratio Lower Upper

73 100

43 20.8 16.6 24.8

57 20.7 16.3 24.5





#19

1,1-Dichloroethane

Concen: 47.872 ug/L

RT: 3.833 min Scan# 791

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Instrument :

MSVOA_U

ClientSampleId :

M-31SMSD

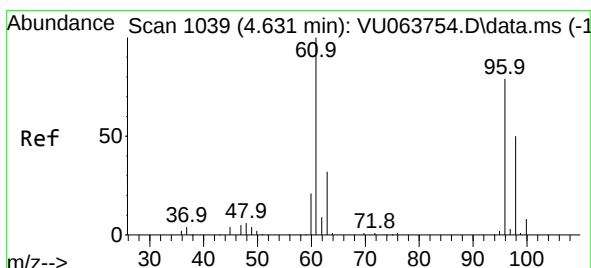
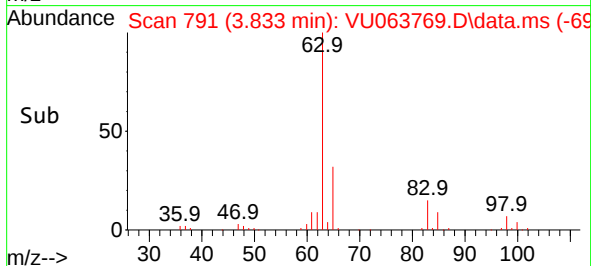
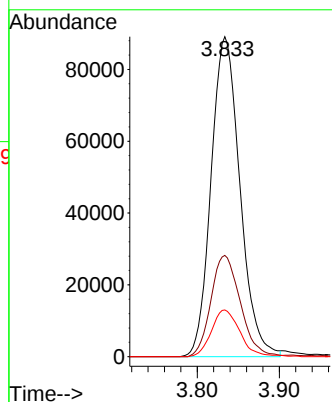
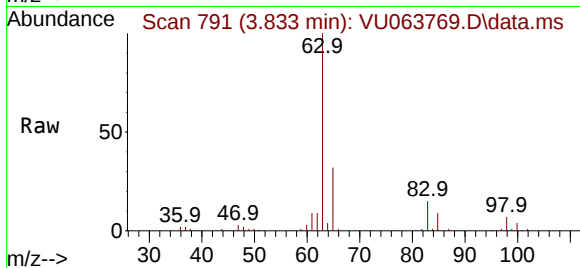
Tgt Ion: 63 Resp: 217843

Ion Ratio Lower Upper

63 100

65 31.7 22.0 41.0

83 14.6 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 50.569 ug/L

RT: 4.634 min Scan# 1040

Delta R.T. 0.003 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

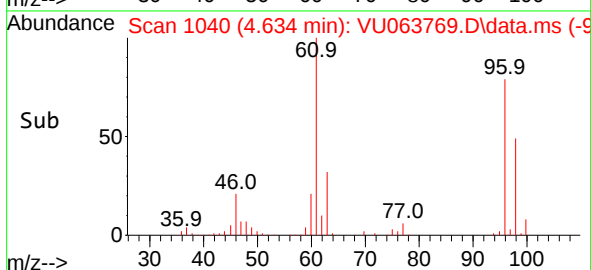
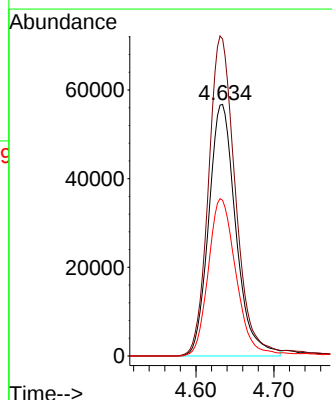
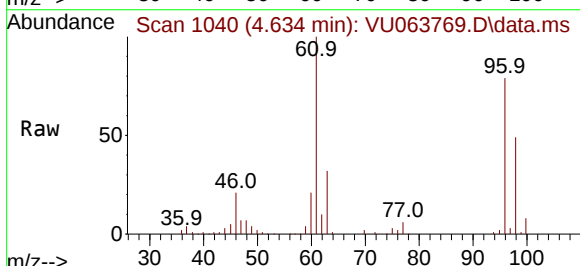
Tgt Ion: 96 Resp: 137463

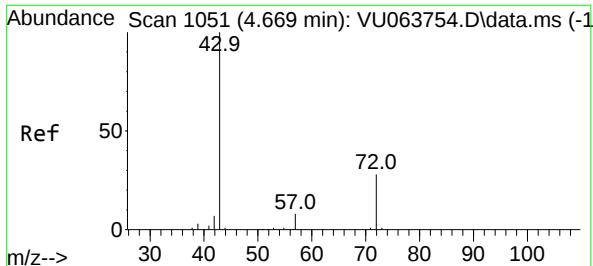
Ion Ratio Lower Upper

96 100

61 126.0 90.3 167.7

98 61.9 46.3 86.1





#22

2-Butanone

Concen: 71.902 ug/L

RT: 4.673 min Scan# 1051

Delta R.T. 0.003 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Instrument :

MSVOA_U

ClientSampleId :

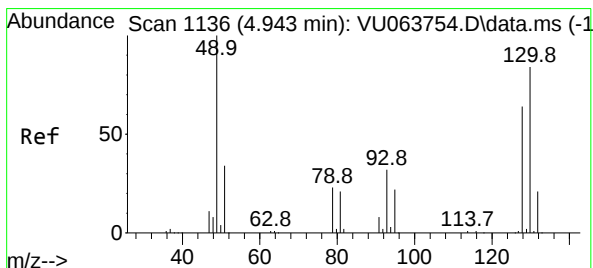
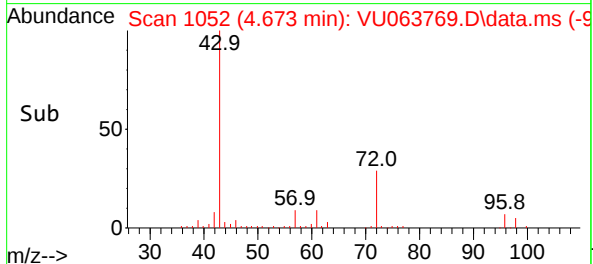
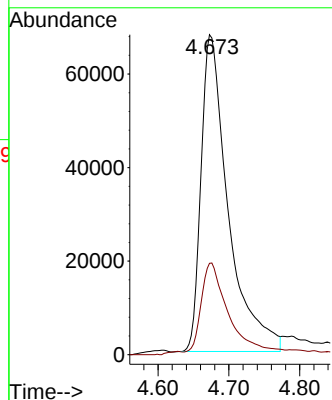
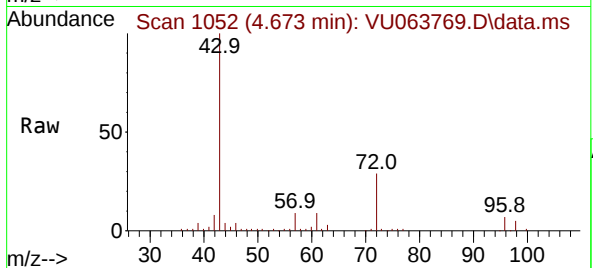
M-31SMSD

Tgt Ion: 43 Resp: 180590

Ion Ratio Lower Upper

43 100

72 28.0 13.6 40.7



#23

Bromochloromethane

Concen: 49.288 ug/L

RT: 4.943 min Scan# 1136

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Tgt Ion:128 Resp: 68883

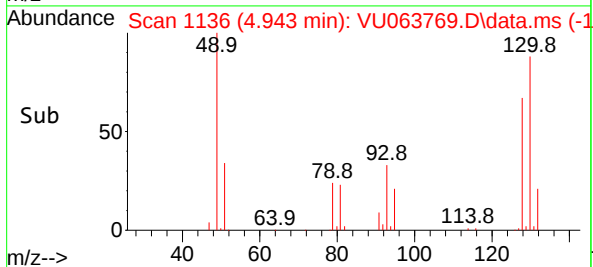
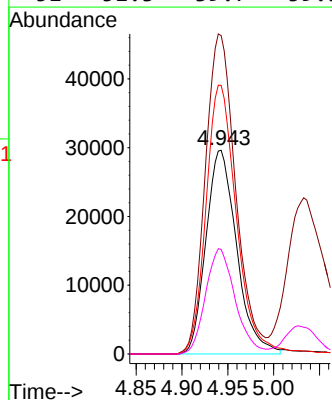
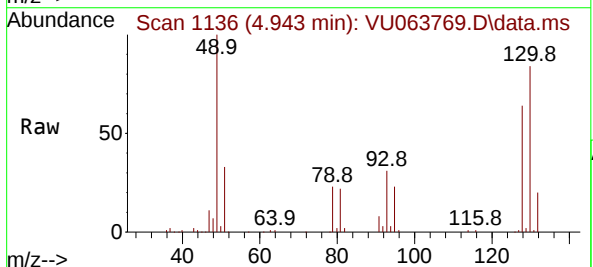
Ion Ratio Lower Upper

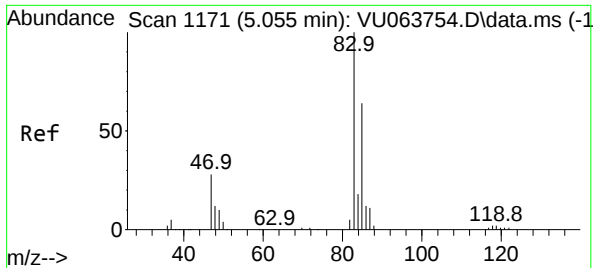
128 100

49 156.3 113.5 210.7

130 131.9 89.8 166.8

51 51.3 39.7 59.5

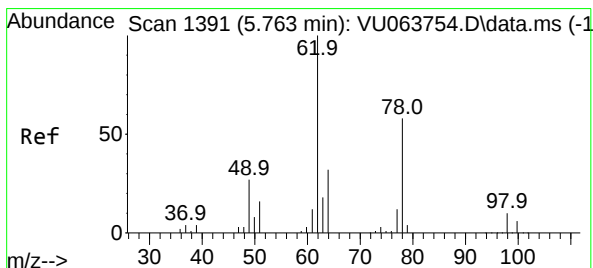
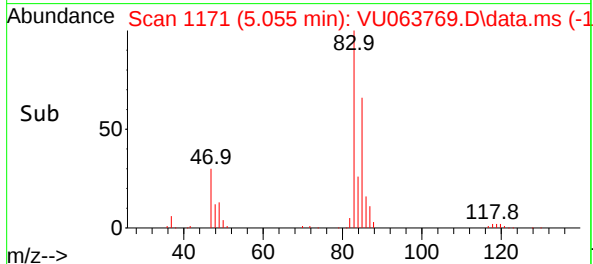
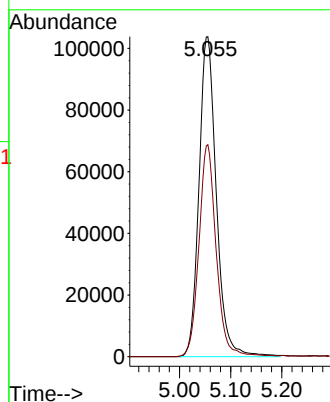
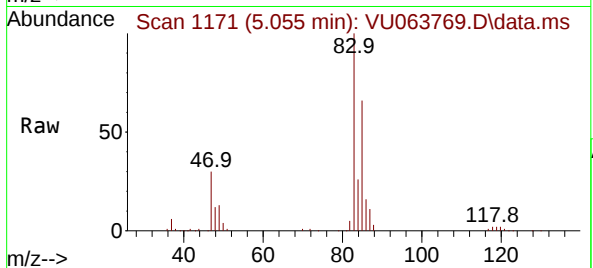




#25
Chloroform
Concen: 49.729 ug/L
RT: 5.055 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

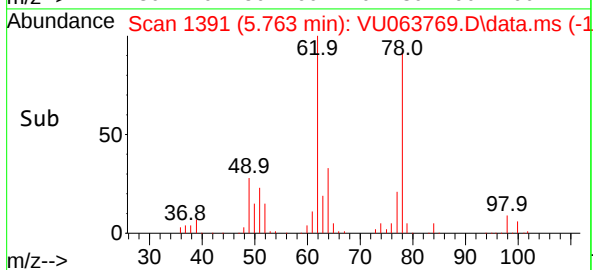
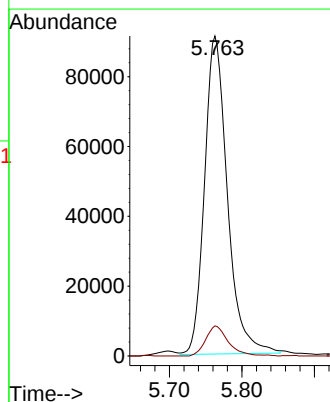
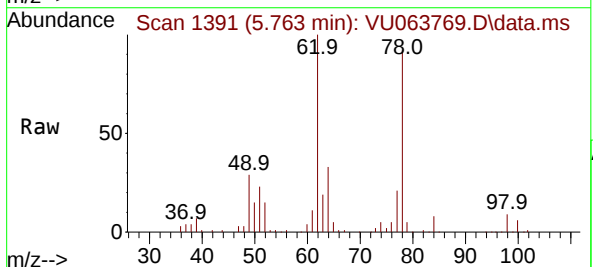
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

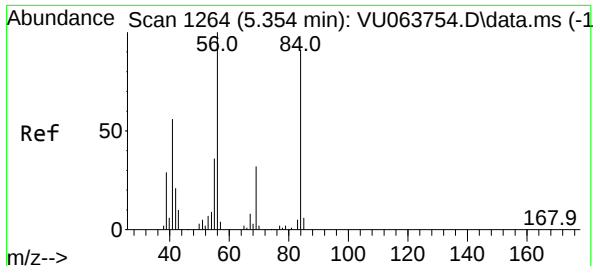
Tgt Ion: 83 Resp: 244947
Ion Ratio Lower Upper
83 100
85 66.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 49.643 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 62 Resp: 199616
Ion Ratio Lower Upper
62 100
98 9.4 7.6 11.4





#29

Cyclohexane

Concen: 46.331 ug/L

RT: 5.354 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Instrument :

MSVOA_U

ClientSampleId :

M-31SMSD

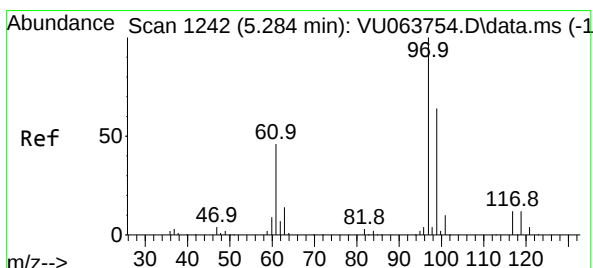
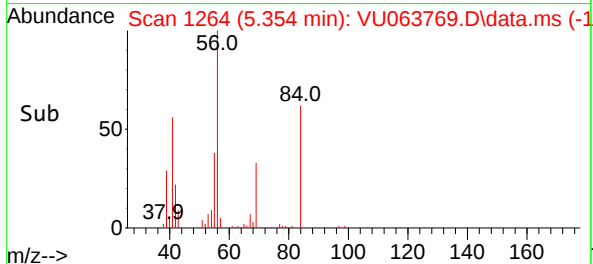
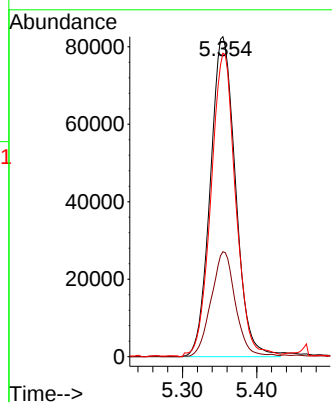
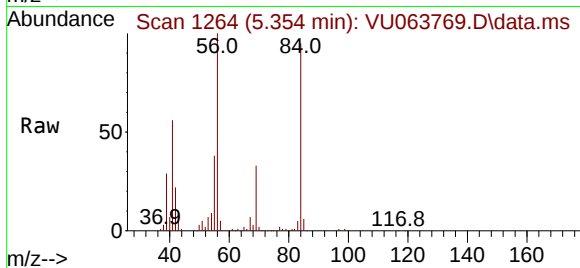
Tgt Ion: 56 Resp: 194837

Ion Ratio Lower Upper

56 100

69 31.1 25.8 38.8

84 92.8 69.3 103.9



#30

1,1,1-Trichloroethane

Concen: 47.114 ug/L

RT: 5.284 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

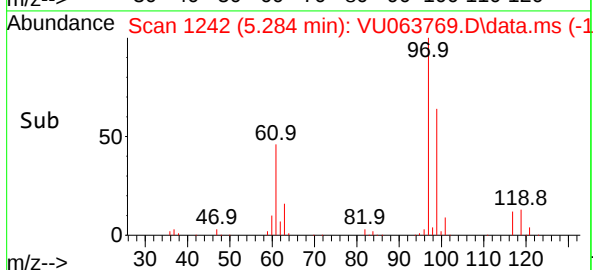
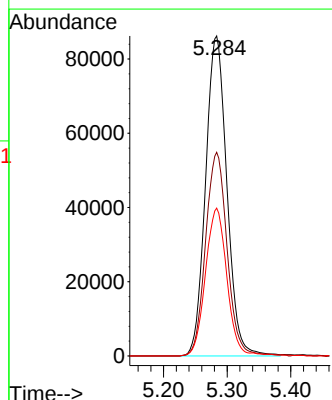
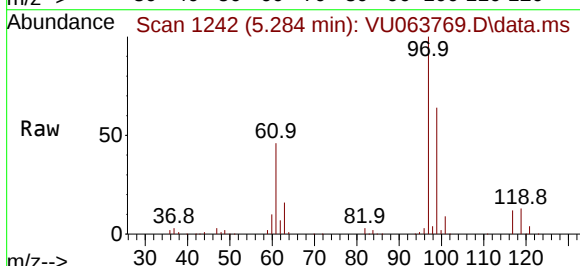
Tgt Ion: 97 Resp: 201082

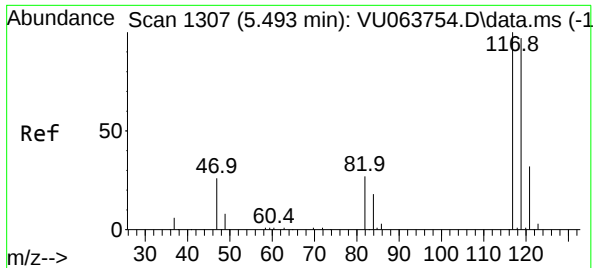
Ion Ratio Lower Upper

97 100

99 64.0 50.7 76.1

61 45.9 37.2 55.8

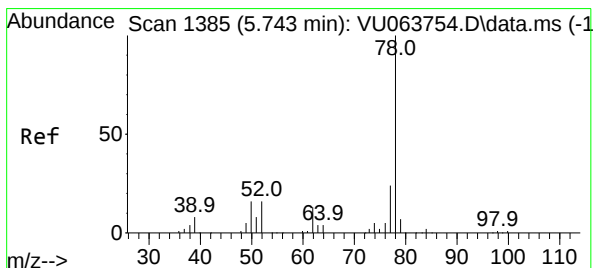
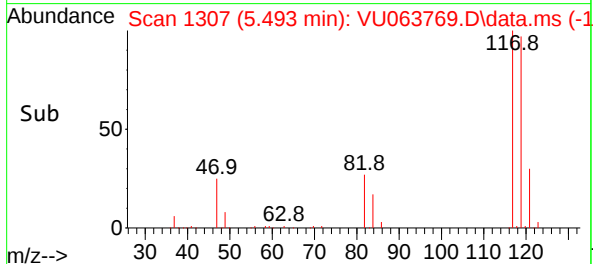
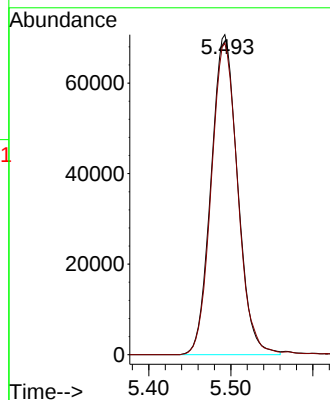
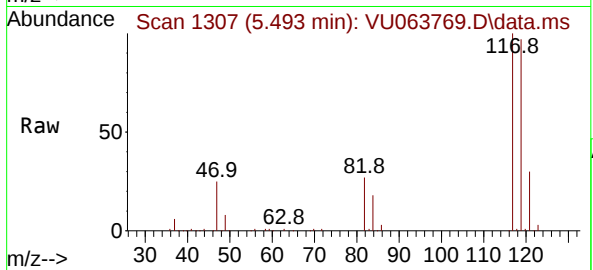




#31
Carbon tetrachloride
Concen: 47.293 ug/L
RT: 5.493 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

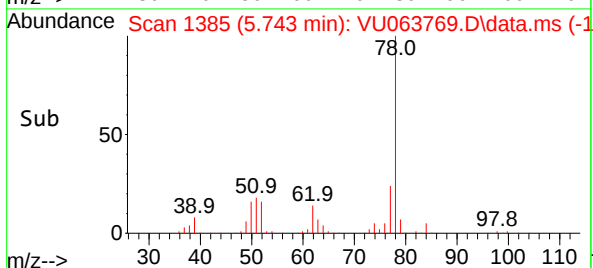
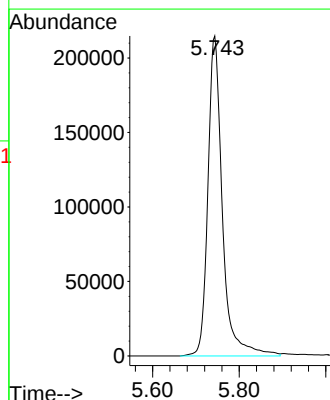
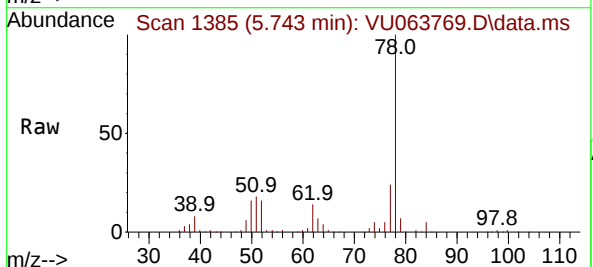
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

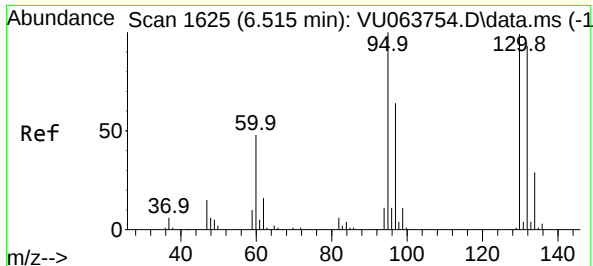
Tgt Ion:117 Resp: 158715
Ion Ratio Lower Upper
117 100
119 97.3 76.0 114.0



#33
Benzene
Concen: 48.898 ug/L
RT: 5.743 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 78 Resp: 498474





#34

Trichloroethene

Concen: 48.155 ug/L

RT: 6.515 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Instrument :

MSVOA_U

ClientSampleId :

M-31SMSD

Tgt Ion: 95 Resp: 141520

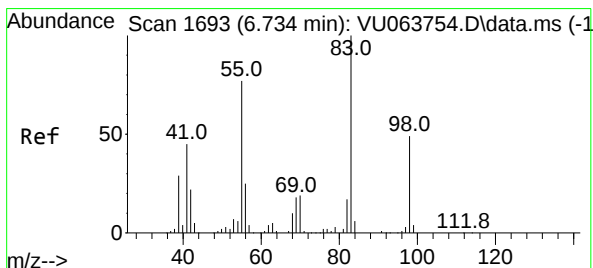
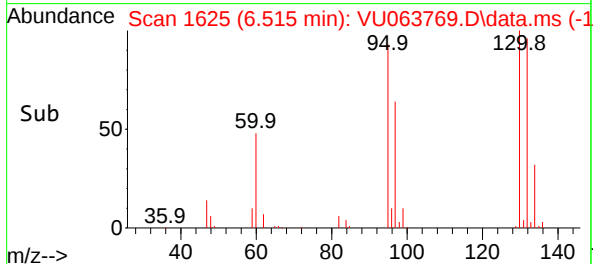
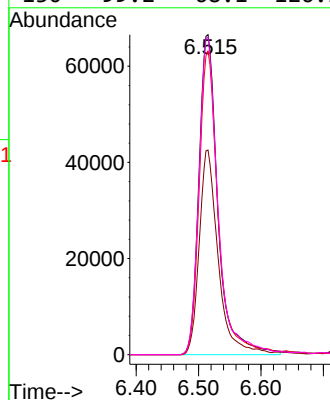
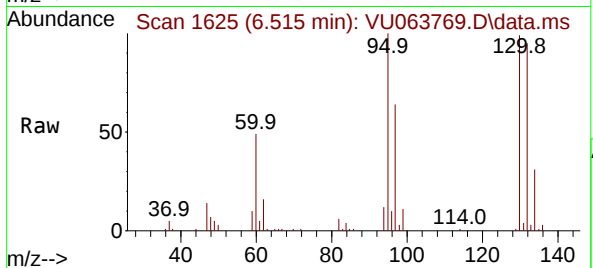
Ion Ratio Lower Upper

95 100

97 64.0 45.1 83.9

132 94.9 68.3 126.8

130 99.2 68.1 126.5



#35

Methylcyclohexane

Concen: 46.466 ug/L

RT: 6.734 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

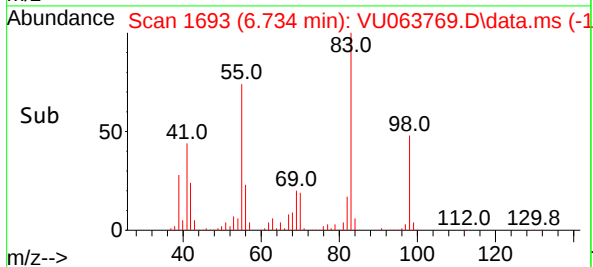
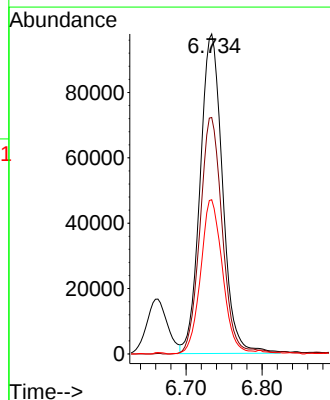
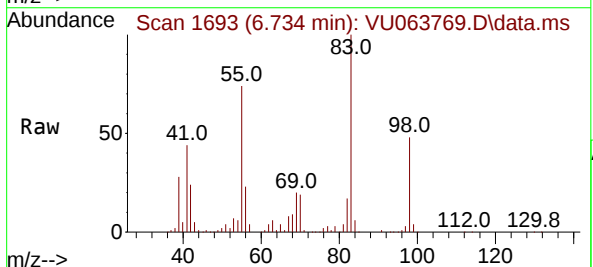
Tgt Ion: 83 Resp: 200461

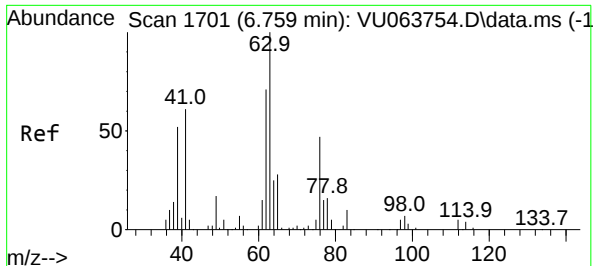
Ion Ratio Lower Upper

83 100

55 73.0 60.9 91.3

98 47.3 39.7 59.5





#37

1,2-Dichloropropane

Concen: 48.639 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Instrument :

MSVOA_U

ClientSampleId :

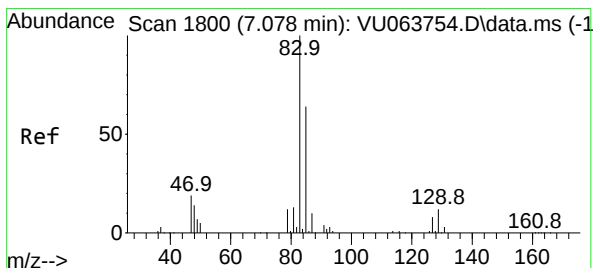
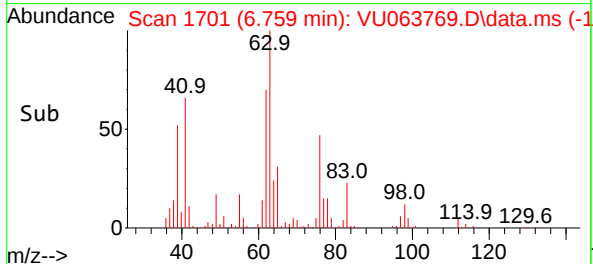
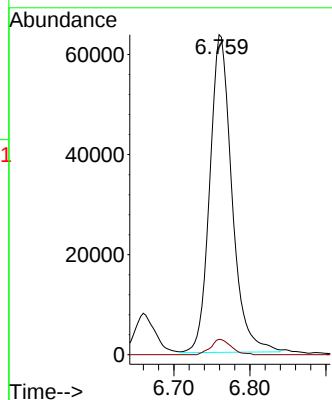
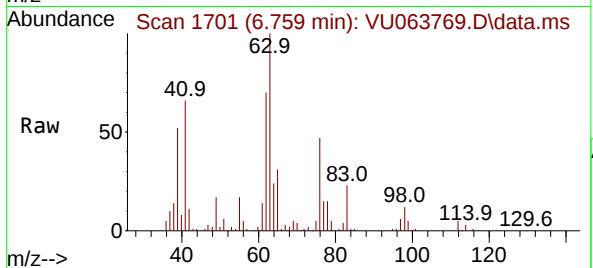
M-31SMSD

Tgt Ion: 63 Resp: 128858

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



#38

Bromodichloromethane

Concen: 47.900 ug/L

RT: 7.078 min Scan# 1800

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

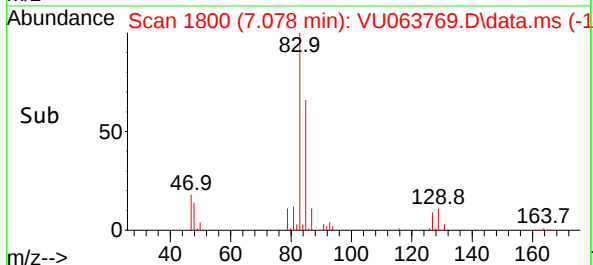
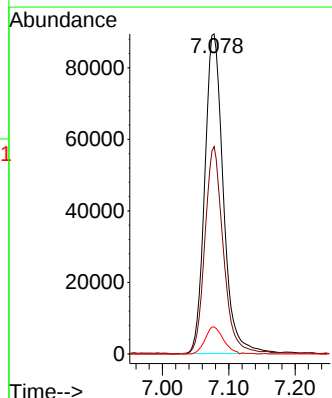
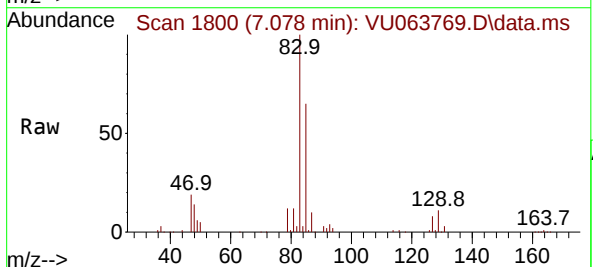
Tgt Ion: 83 Resp: 173773

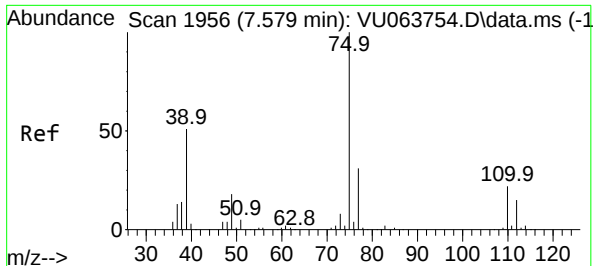
Ion Ratio Lower Upper

83 100

85 64.8 43.1 80.1

127 8.5 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 44.263 ug/L

RT: 7.579 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Instrument :

MSVOA_U

ClientSampleId :

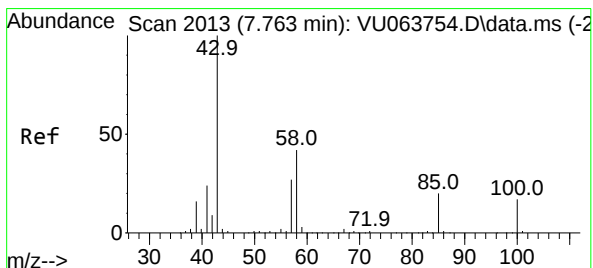
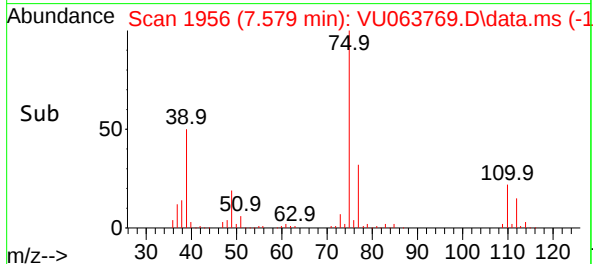
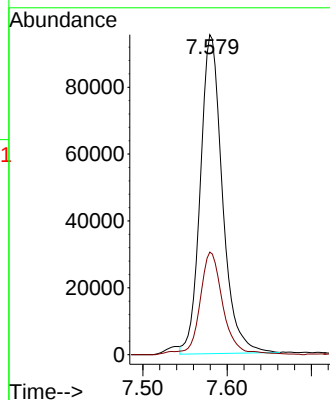
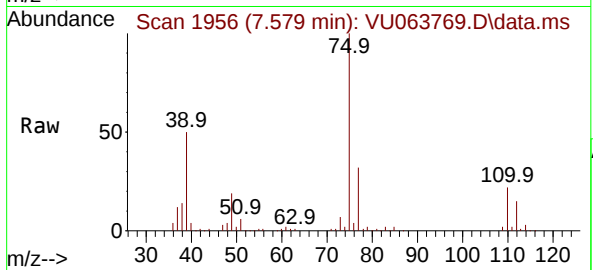
M-31SMSD

Tgt Ion: 75 Resp: 173909

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 98.146 ug/L

RT: 7.763 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

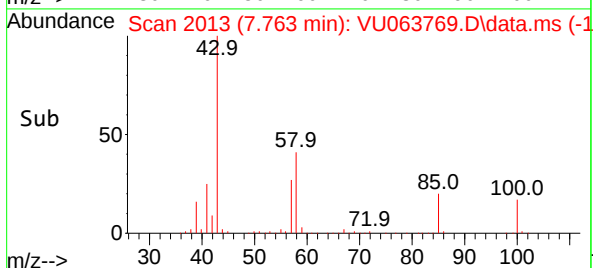
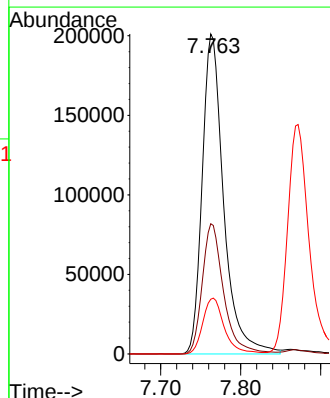
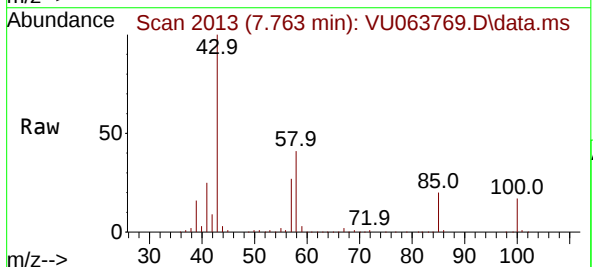
Tgt Ion: 43 Resp: 376367

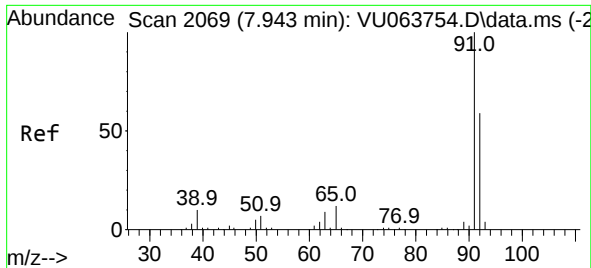
Ion Ratio Lower Upper

43 100

58 40.5 32.9 49.3

100 17.6 13.9 20.9





#42

Toluene

Concen: 48.313 ug/L

RT: 7.943 min Scan# 2069

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Instrument :

MSVOA_U

ClientSampleId :

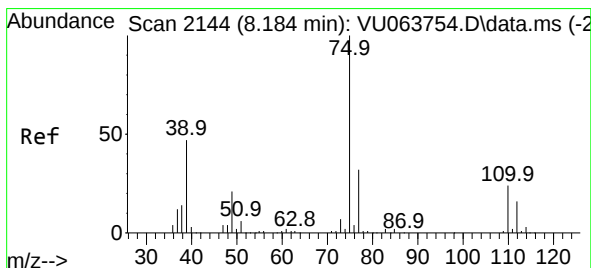
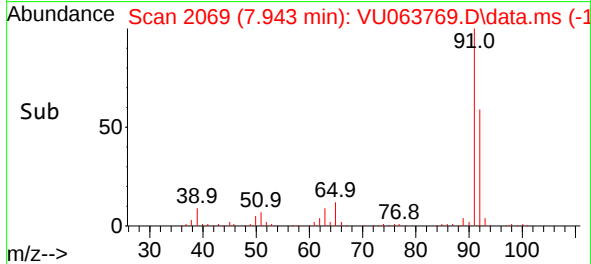
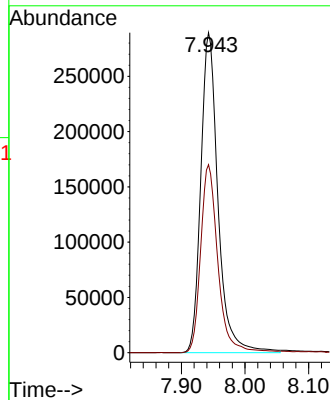
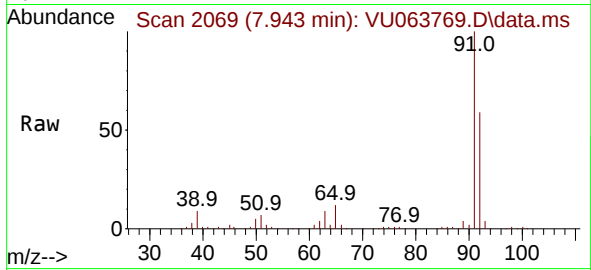
M-31SMSD

Tgt Ion: 91 Resp: 543735

Ion Ratio Lower Upper

91 100

92 58.8 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 44.756 ug/L

RT: 8.184 min Scan# 2144

Delta R.T. 0.000 min

Lab File: VU063769.D

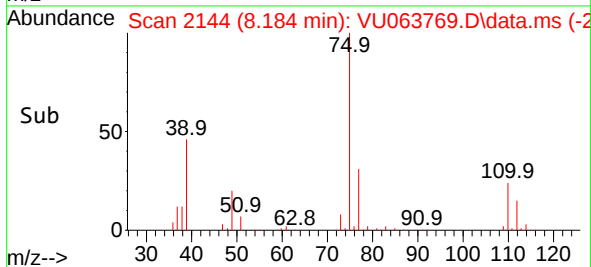
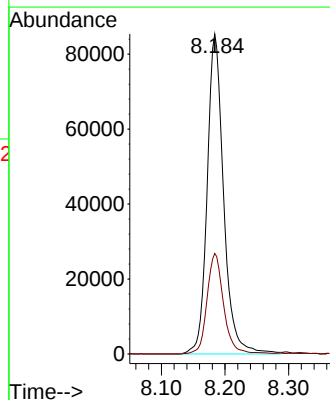
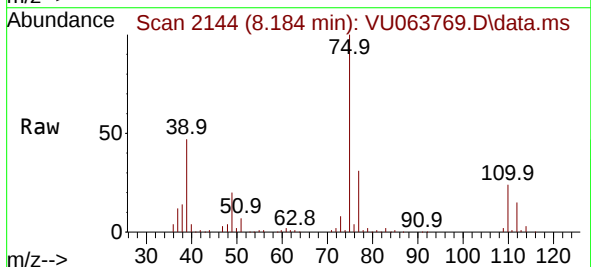
Acq: 21 Nov 2025 14:57

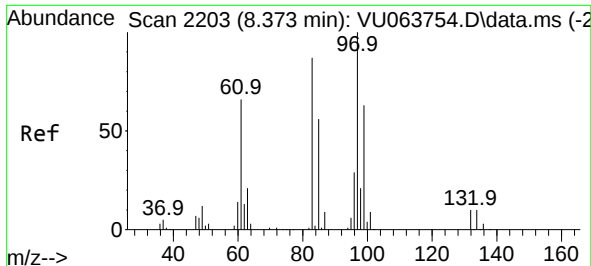
Tgt Ion: 75 Resp: 153497

Ion Ratio Lower Upper

75 100

77 31.4 21.4 39.8



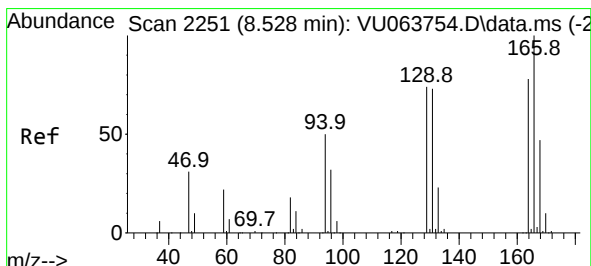
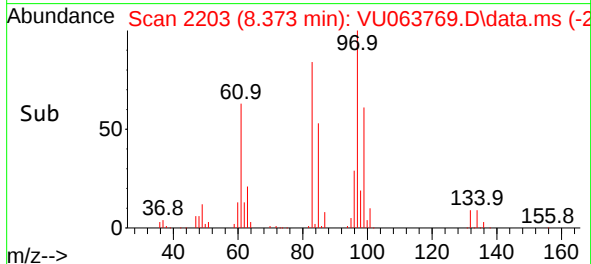
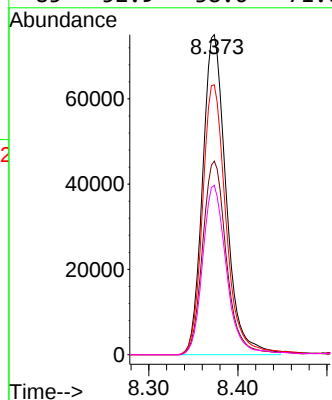
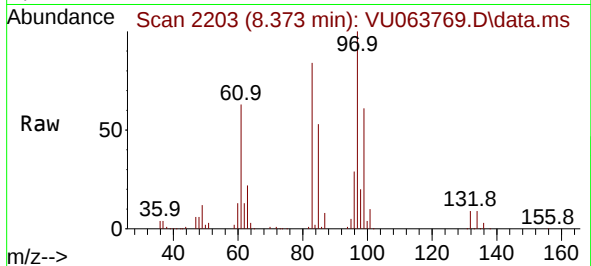


#45
1,1,2-Trichloroethane
Concen: 49.103 ug/L
RT: 8.373 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

Tgt Ion: 97 Resp: 137577

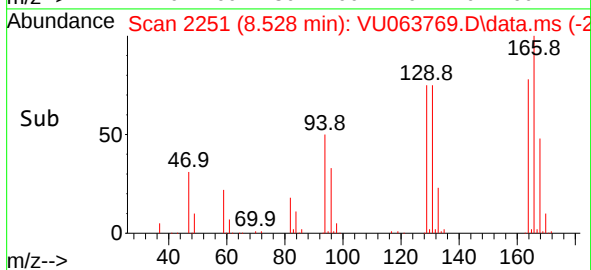
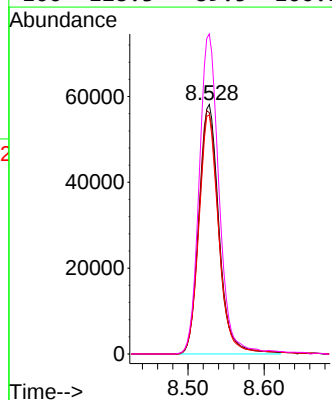
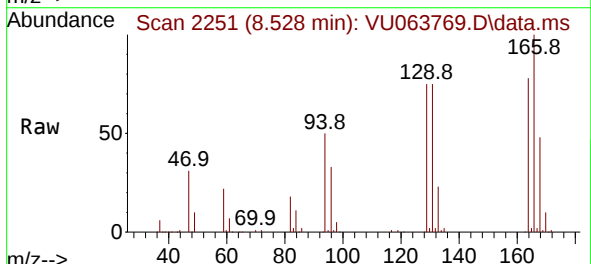
Ion	Ratio	Lower	Upper
97	100		
99	60.5	43.7	81.1
83	84.4	59.7	110.9
85	52.9	38.6	71.6

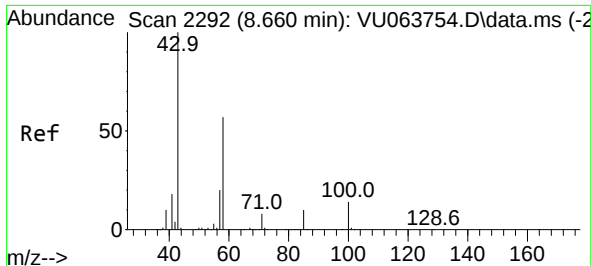


#46
Tetrachloroethene
Concen: 47.260 ug/L
RT: 8.528 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 164 Resp: 106214

Ion	Ratio	Lower	Upper
164	100		
129	96.8	68.5	127.3
131	95.9	64.3	119.3
166	128.3	89.5	166.1

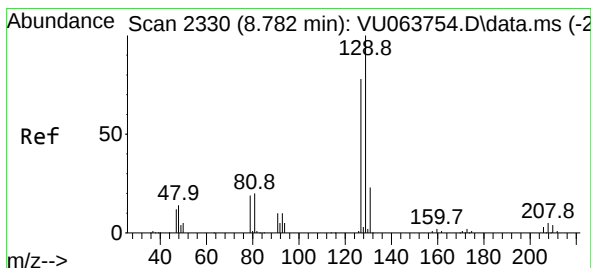
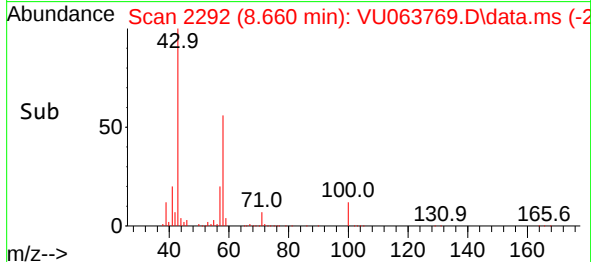
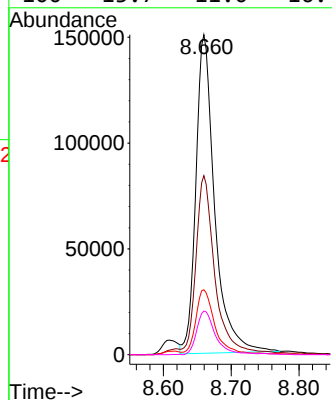
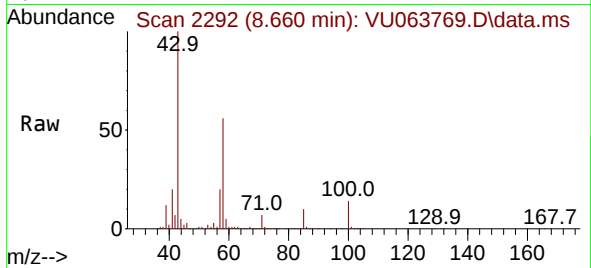




#48
2-Hexanone
Concen: 96.382 ug/L
RT: 8.660 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

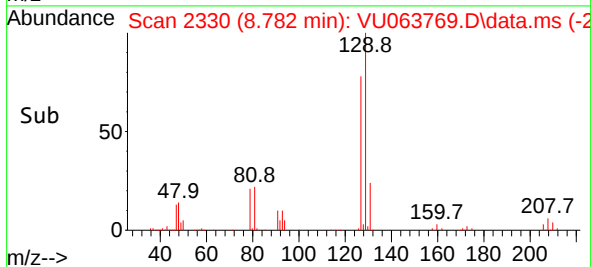
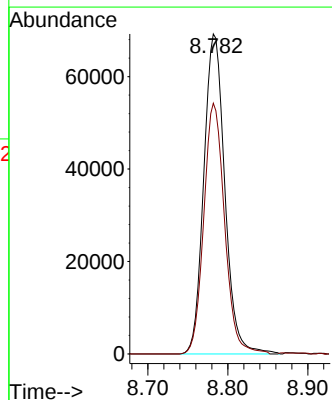
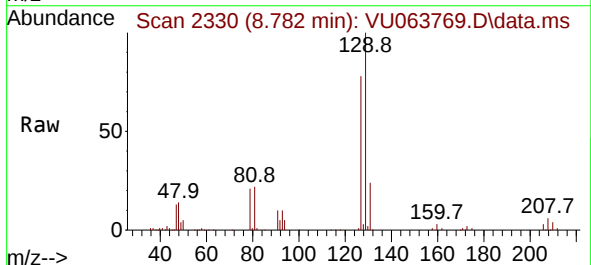
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

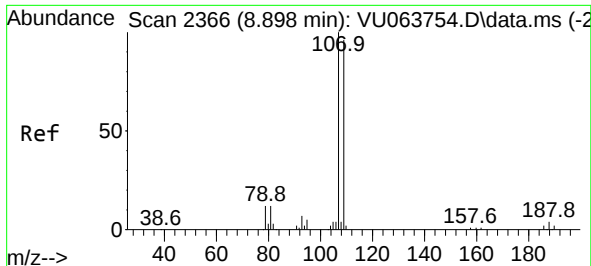
Tgt Ion: 43 Resp: 290095
Ion Ratio Lower Upper
43 100
58 55.4 44.8 67.2
57 19.8 16.6 24.8
100 13.7 11.0 16.4



#49
Dibromochloromethane
Concen: 46.881 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 129 Resp: 126850
Ion Ratio Lower Upper
129 100
127 78.3 53.4 99.2

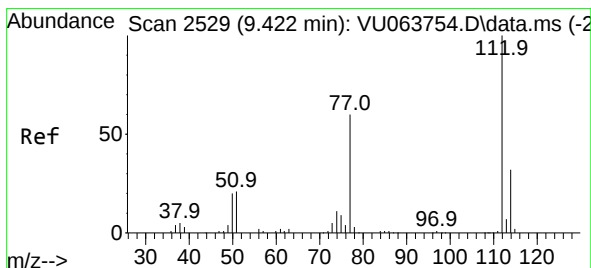
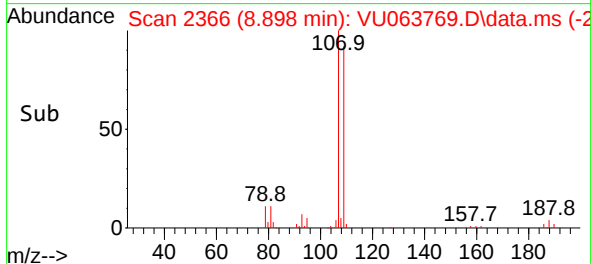
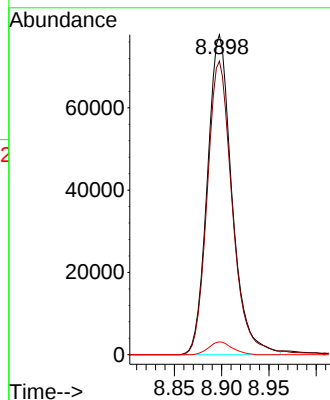
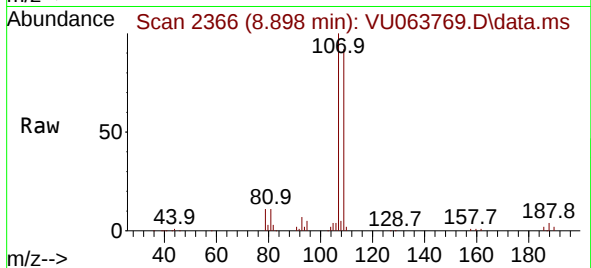




#50
1,2-Dibromoethane
Concen: 47.915 ug/L
RT: 8.898 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

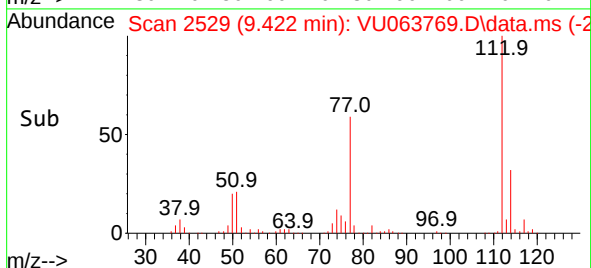
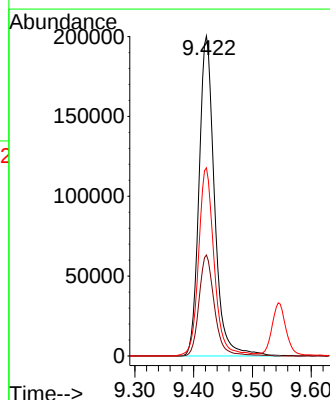
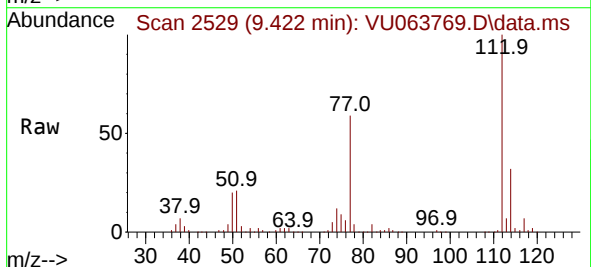
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

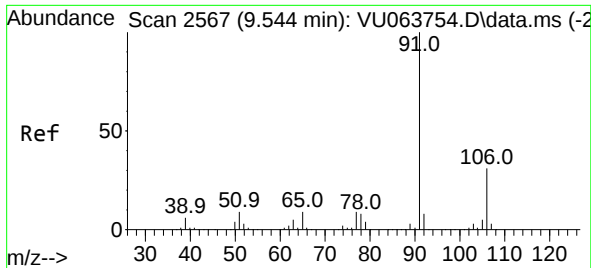
Tgt Ion:107 Resp: 140914
Ion Ratio Lower Upper
107 100
109 91.7 65.8 122.2
188 4.0 3.2 4.8



#51
Chlorobenzene
Concen: 48.125 ug/L
RT: 9.422 min Scan# 2529
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:112 Resp: 365504
Ion Ratio Lower Upper
112 100
114 31.6 22.1 41.1
77 58.8 48.0 72.0

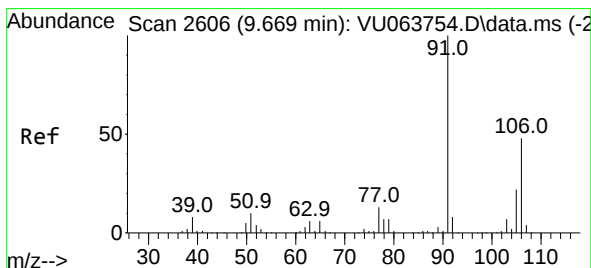
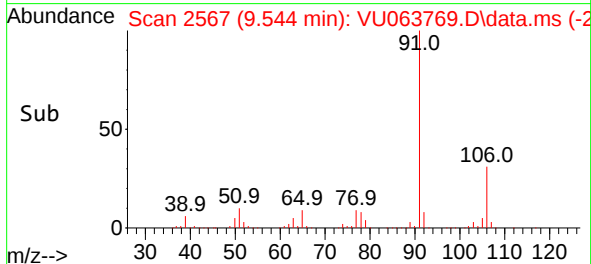
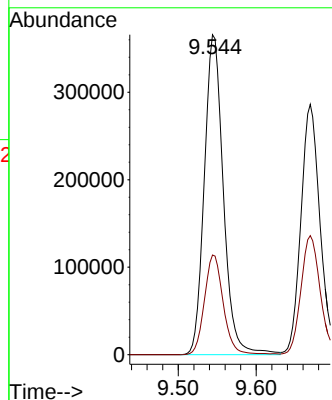
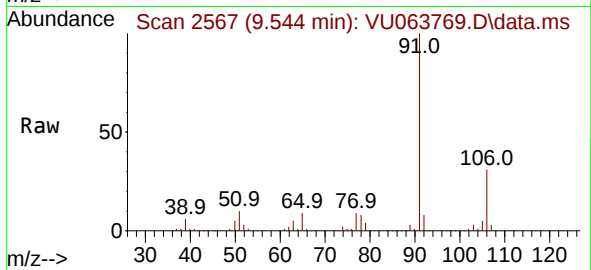




#52
Ethylbenzene
Concen: 47.636 ug/L
RT: 9.544 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

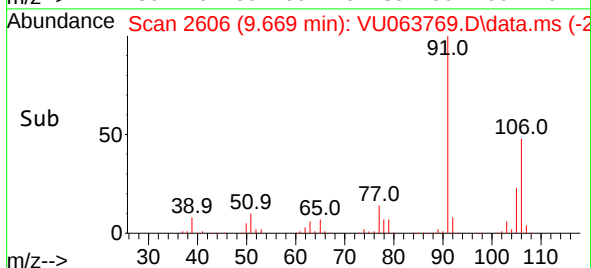
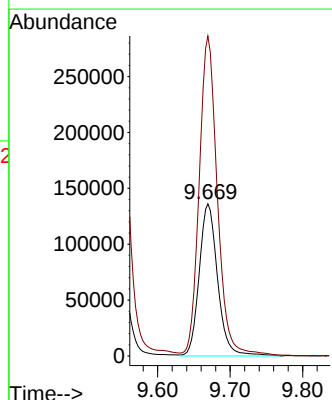
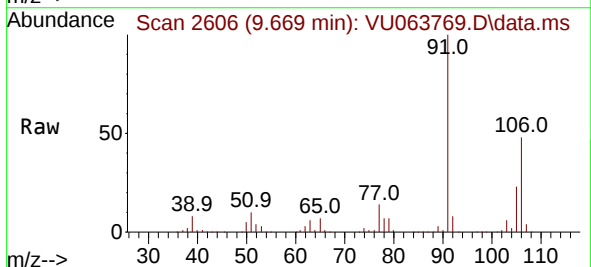
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

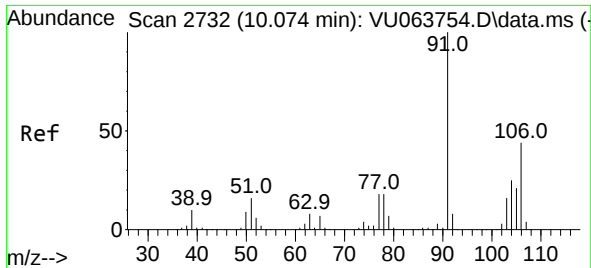
Tgt Ion: 91 Resp: 622514
Ion Ratio Lower Upper
91 100
106 31.2 21.3 39.6



#53
m,p-Xylene
Concen: 48.216 ug/L
RT: 9.669 min Scan# 2606
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 106 Resp: 240158
Ion Ratio Lower Upper
106 100
91 210.3 143.6 266.6

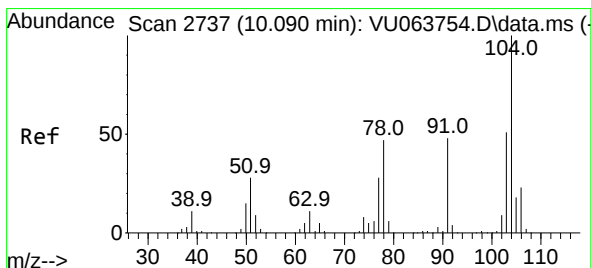
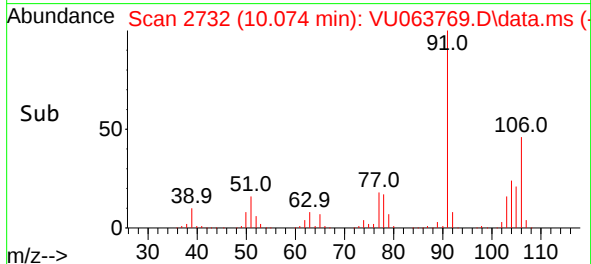
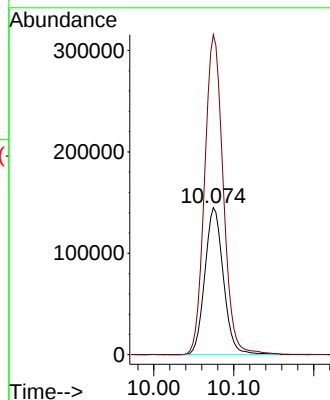
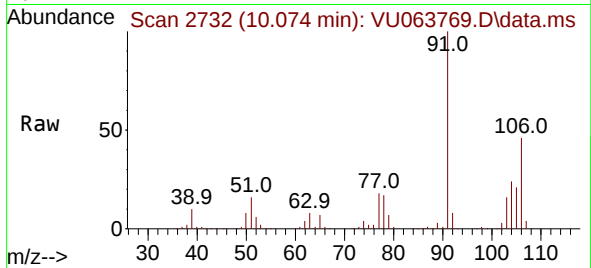




#54
o-Xylene
Concen: 48.349 ug/L
RT: 10.074 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

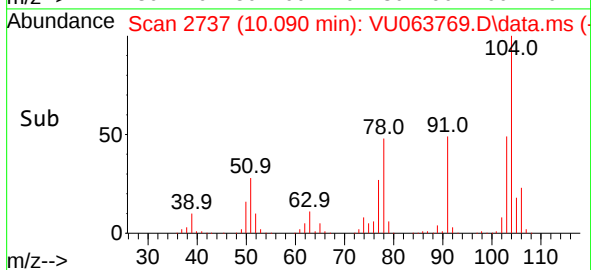
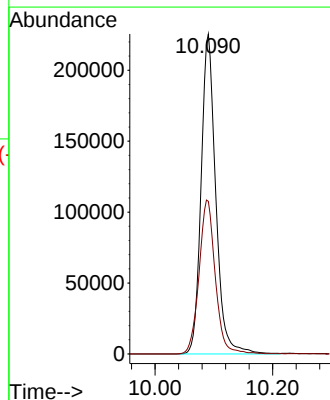
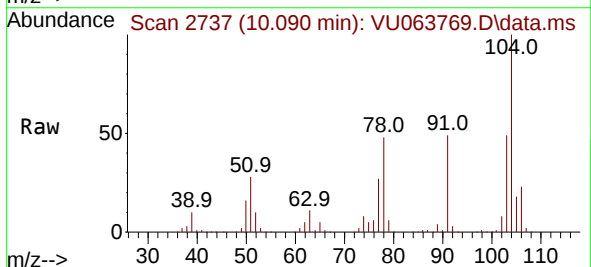
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

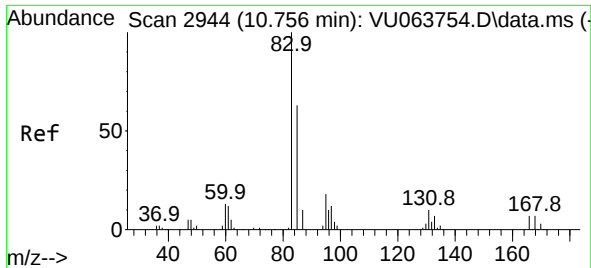
Tgt Ion:106 Resp: 234522
Ion Ratio Lower Upper
106 100
91 217.6 156.0 289.6



#55
Styrene
Concen: 49.699 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:104 Resp: 390606
Ion Ratio Lower Upper
104 100
78 47.7 32.0 59.4

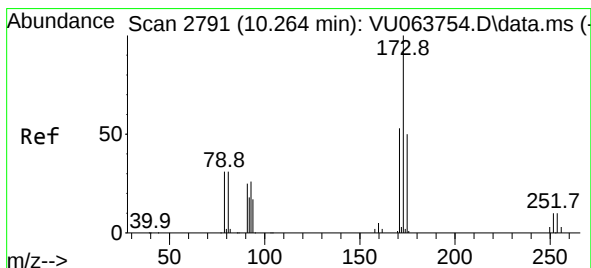
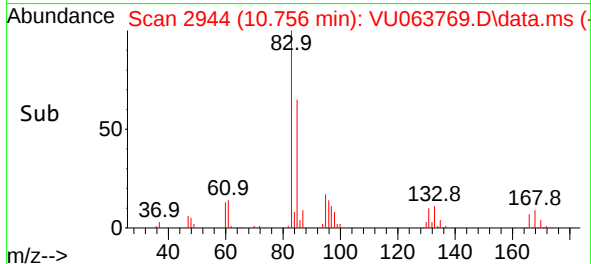
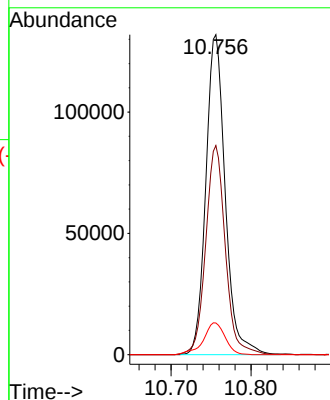
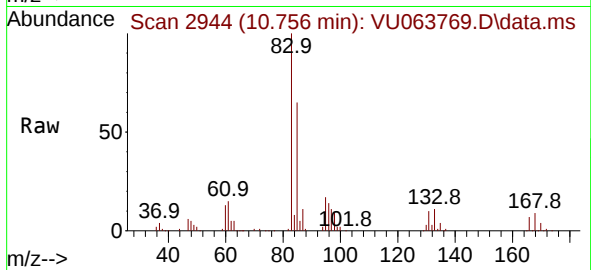




#57
1,1,2,2-Tetrachloroethane
Concen: 48.714 ug/L
RT: 10.756 min Scan# 2944
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

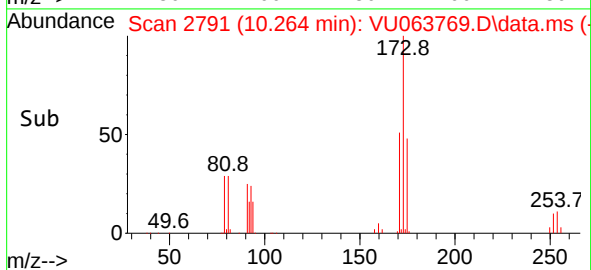
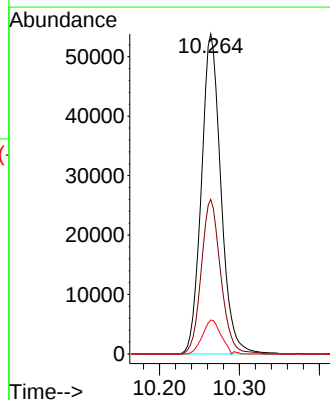
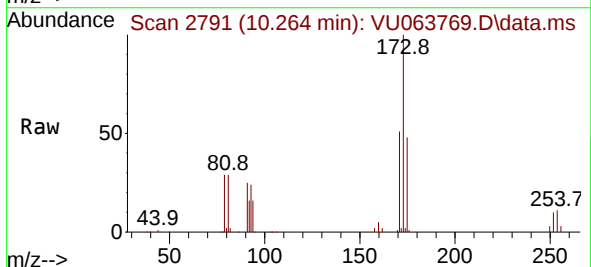
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

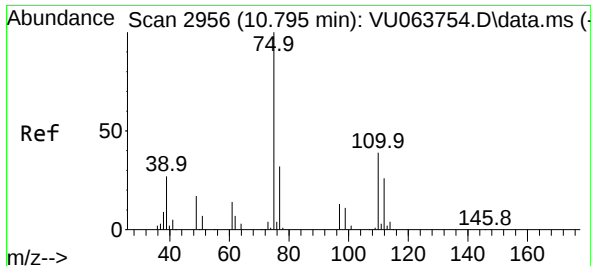
Tgt Ion: 83 Resp: 222297
Ion Ratio Lower Upper
83 100
85 65.4 45.7 84.9
131 9.9 7.4 11.2



#59
Bromoform
Concen: 44.479 ug/L
RT: 10.264 min Scan# 2791
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:173 Resp: 91801
Ion Ratio Lower Upper
173 100
175 47.9 38.2 57.4
254 9.9 6.9 10.3

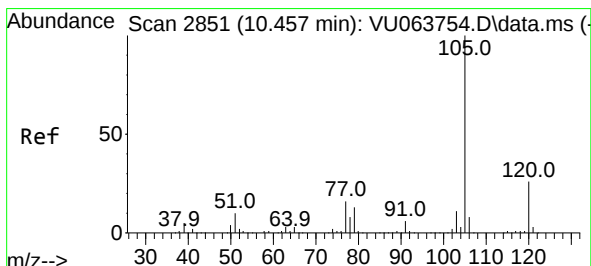
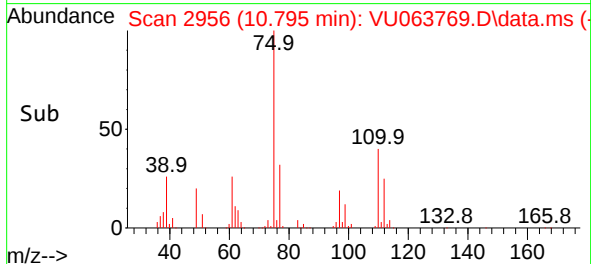
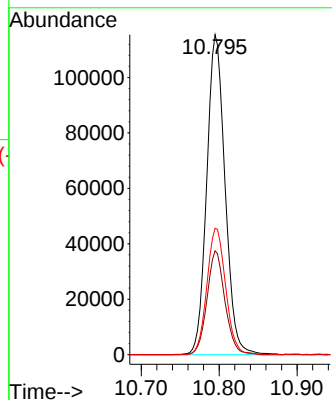
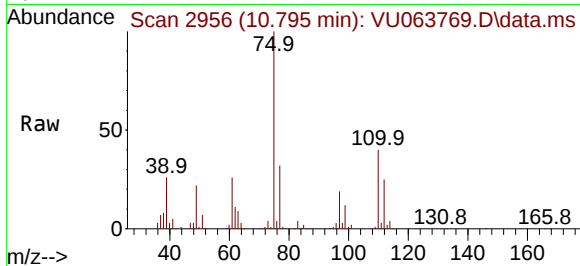




#60
1,2,3-Trichloropropane
Concen: 47.515 ug/L
RT: 10.795 min Scan# 2956
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

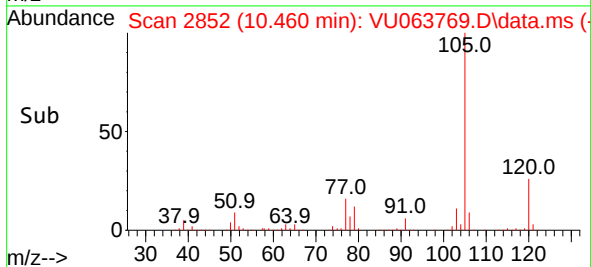
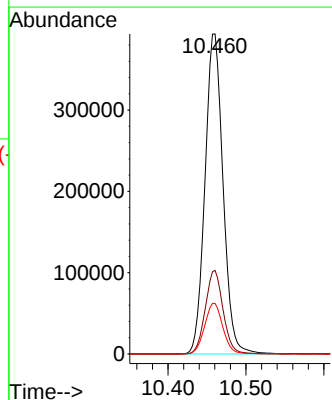
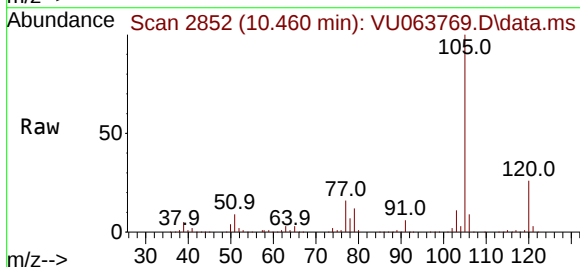
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

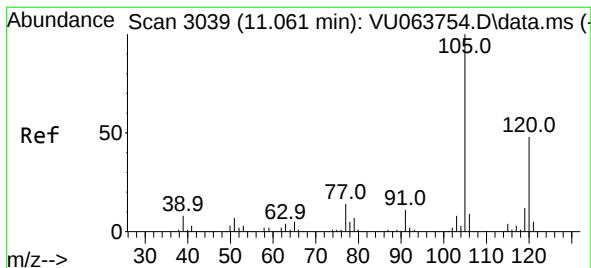
Tgt Ion: 75 Resp: 188477
Ion Ratio Lower Upper
75 100
77 31.9 26.1 39.1
110 40.3 32.3 48.5



#61
Isopropylbenzene
Concen: 46.299 ug/L
RT: 10.460 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 105 Resp: 634787
Ion Ratio Lower Upper
105 100
120 25.7 20.7 31.1
77 16.0 12.9 19.3





#62

1,3,5-Trimethylbenzene

Concen: 46.192 ug/L

RT: 11.061 min Scan# 3039

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Instrument :

MSVOA_U

ClientSampleId :

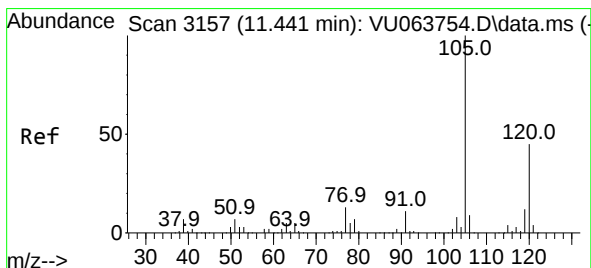
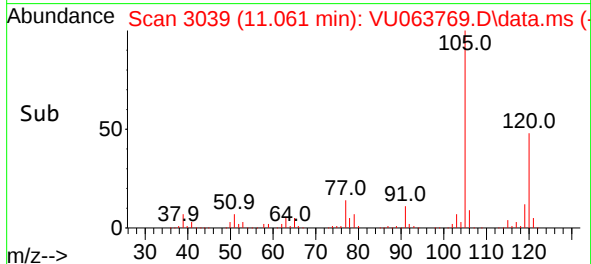
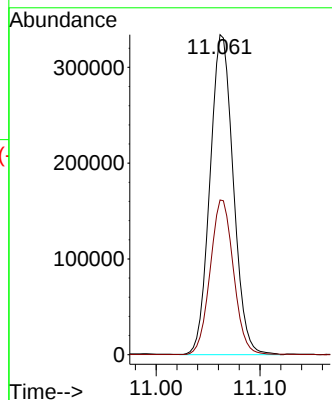
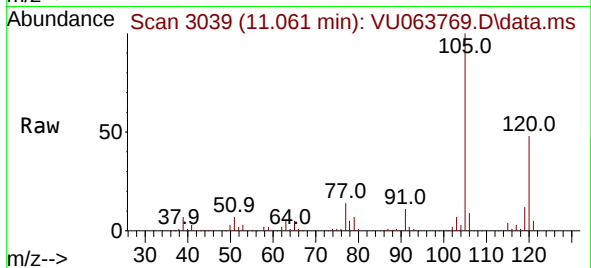
M-31SMSD

Tgt Ion:105 Resp: 520959

Ion Ratio Lower Upper

105 100

120 48.2 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 46.845 ug/L

RT: 11.444 min Scan# 3158

Delta R.T. 0.003 min

Lab File: VU063769.D

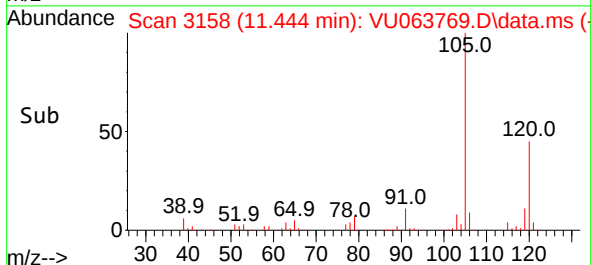
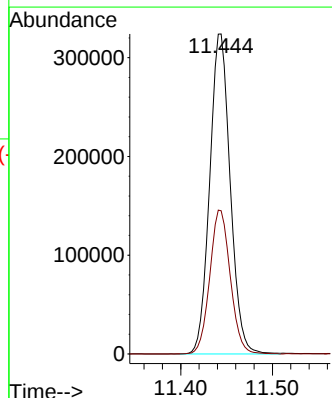
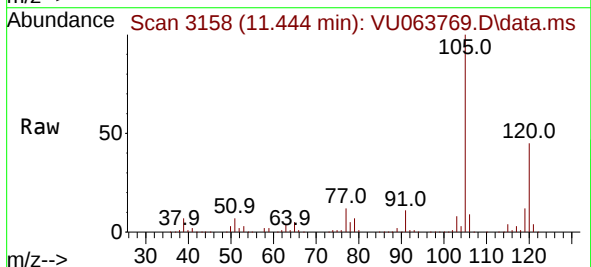
Acq: 21 Nov 2025 14:57

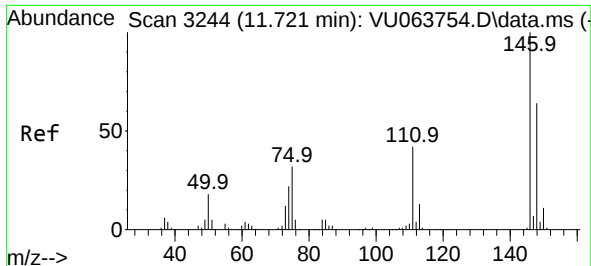
Tgt Ion:105 Resp: 504302

Ion Ratio Lower Upper

105 100

120 44.9 35.6 53.4

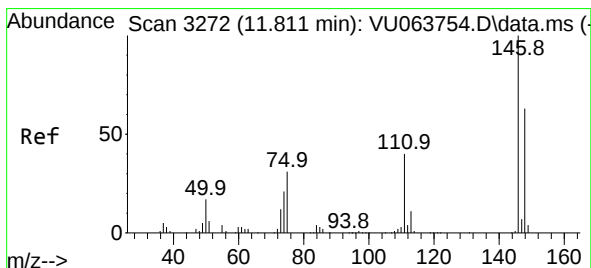
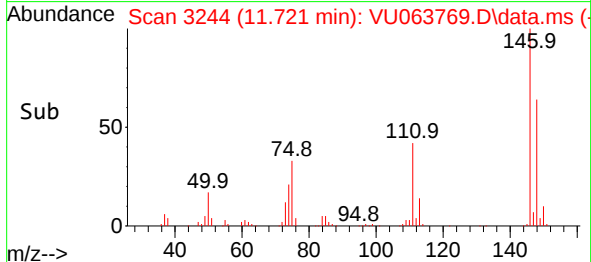
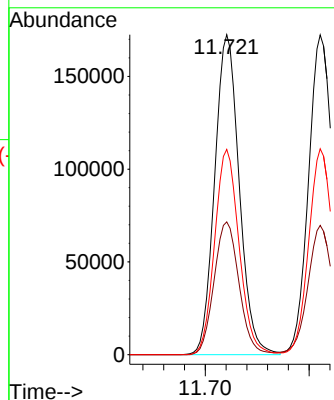
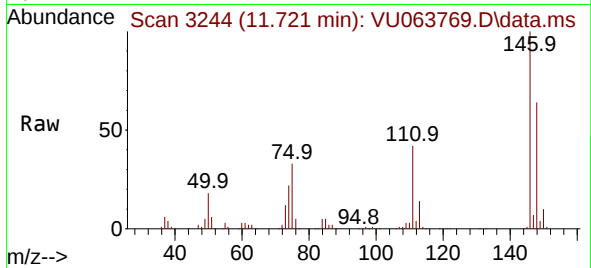




#64
1,3-Dichlorobenzene
Concen: 46.037 ug/L
RT: 11.721 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

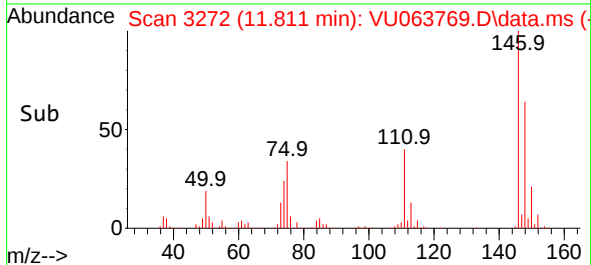
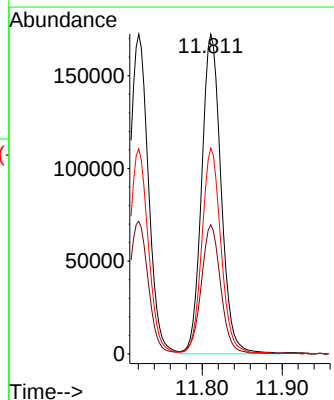
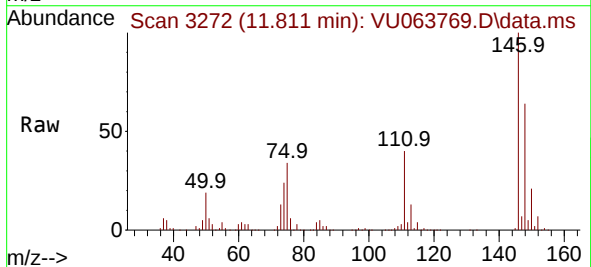
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

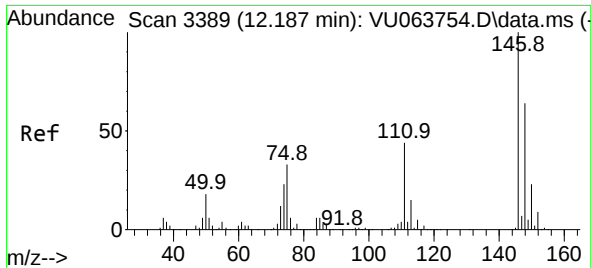
Tgt Ion:146 Resp: 282971
Ion Ratio Lower Upper
146 100
111 41.5 29.8 55.3
148 64.1 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 46.296 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:146 Resp: 291460
Ion Ratio Lower Upper
146 100
111 40.4 28.8 53.4
148 64.4 44.9 83.3

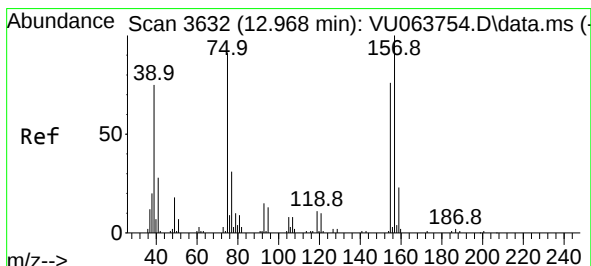
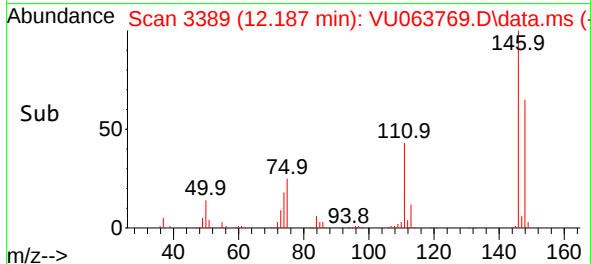
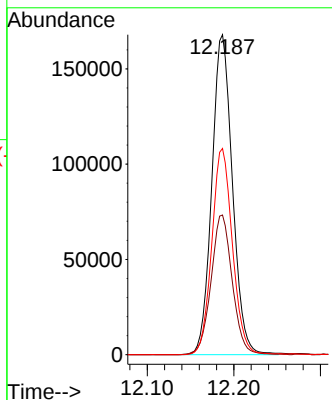
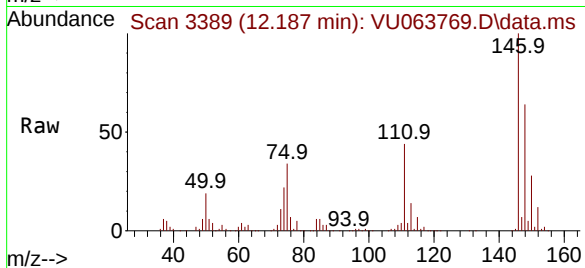




#67
1,2-Dichlorobenzene
Concen: 46.592 ug/L
RT: 12.187 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

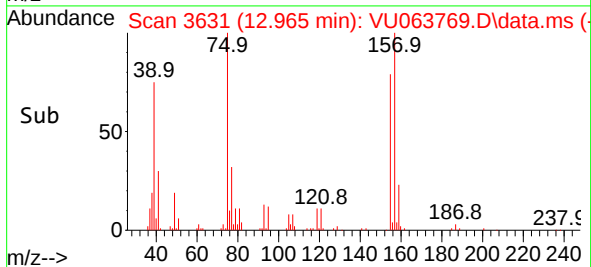
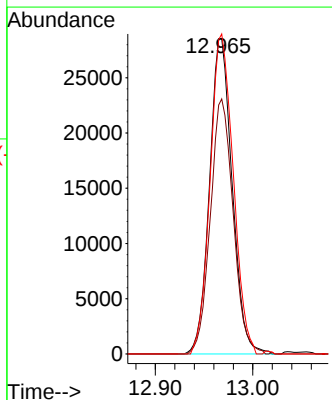
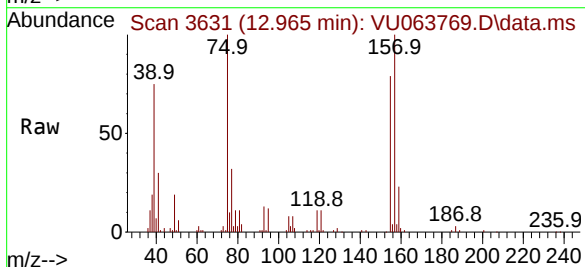
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

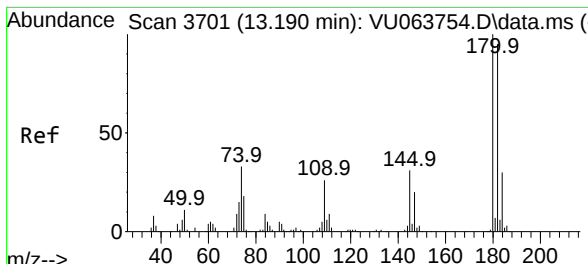
Tgt Ion:146 Resp: 277649
Ion Ratio Lower Upper
146 100
111 43.7 34.2 51.4
148 64.5 49.6 74.4



#68
1,2-Dibromo-3-chloropropane
Concen: 47.107 ug/L
RT: 12.965 min Scan# 3631
Delta R.T. -0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 75 Resp: 46141
Ion Ratio Lower Upper
75 100
155 82.6 64.6 97.0
157 99.7 78.8 118.2



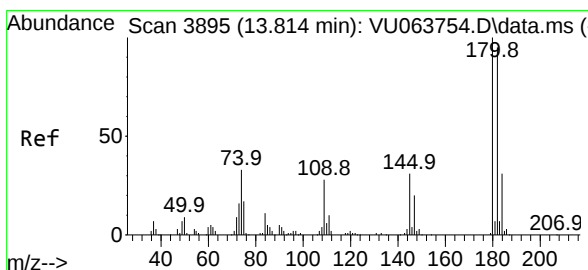
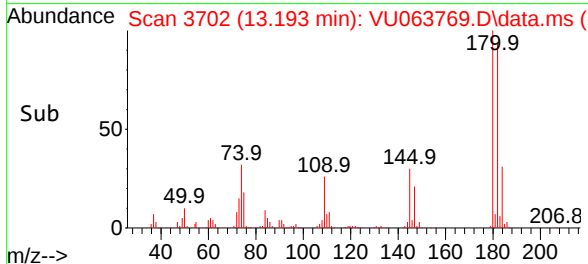
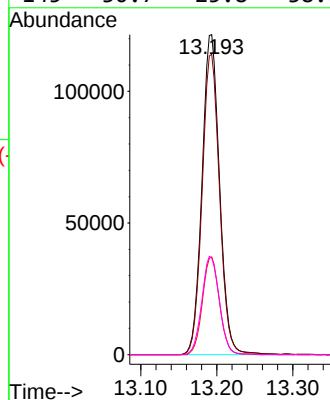
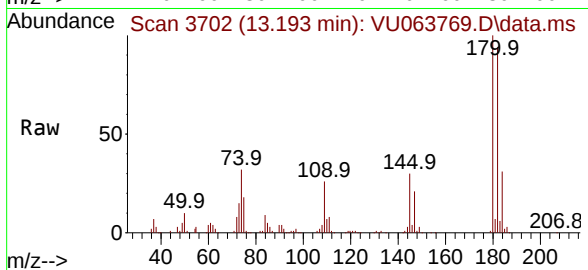


#69
 1,3,5-Trichlorobenzene
 Concen: 47.045 ug/L
 RT: 13.193 min Scan# 3702
 Delta R.T. 0.003 min
 Lab File: VU063769.D
 Acq: 21 Nov 2025 14:57

Instrument :
 MSVOA_U
 ClientSampleId :
 M-31SMSD

Tgt Ion:180 Resp: 195440

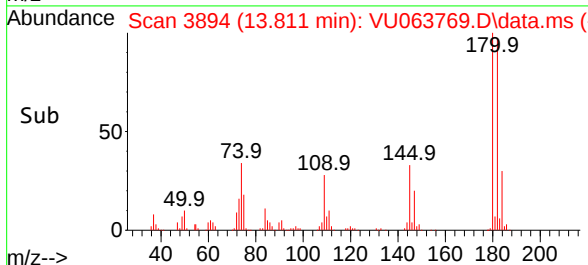
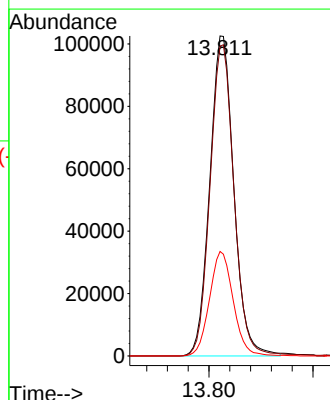
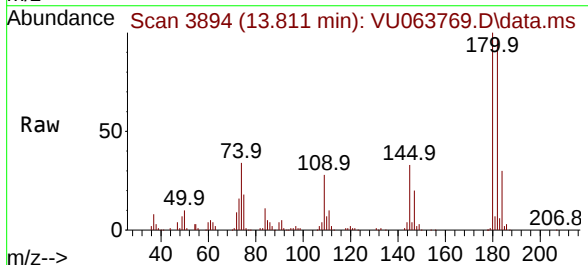
Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.4	114.6
184	29.4	24.4	36.6
145	30.7	25.8	38.6

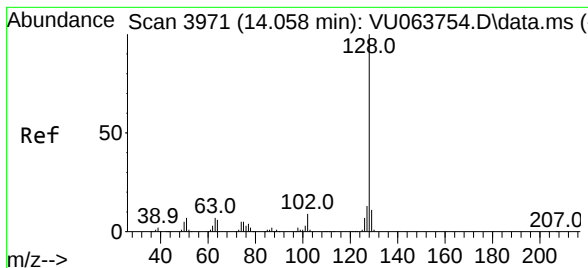


#70
 1,2,4-trichlorobenzene
 Concen: 47.558 ug/L
 RT: 13.811 min Scan# 3894
 Delta R.T. -0.003 min
 Lab File: VU063769.D
 Acq: 21 Nov 2025 14:57

Tgt Ion:180 Resp: 164746

Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.8	113.8
145	32.2	25.7	38.5





#71

Naphthalene

Concen: 55.819 ug/L

RT: 14.058 min Scan# 3971

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Instrument :

MSVOA_U

ClientSampleId :

M-31SMSD

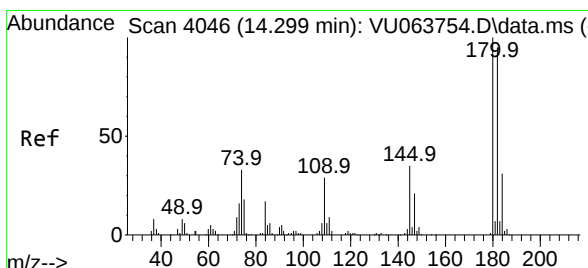
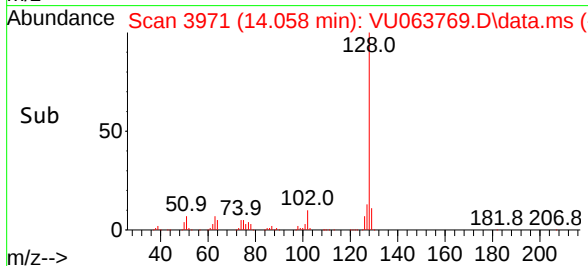
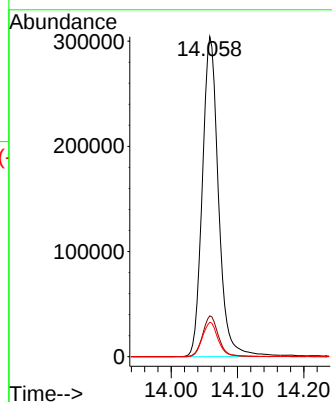
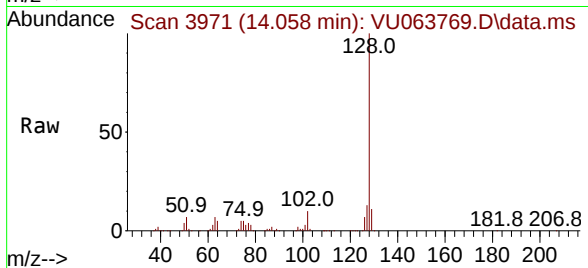
Tgt Ion:128 Resp: 514590

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.5 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 48.787 ug/L

RT: 14.299 min Scan# 4046

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Tgt Ion:180 Resp: 160182

Ion Ratio Lower Upper

180 100

182 95.2 76.9 115.3

145 33.8 26.6 39.8

