

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111825\
 Data File : VU063737.D
 Acq On : 18 Nov 2025 12:35
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050114

Quant Time: Nov 19 04:47:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 19 04:47:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	310058	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	304183	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.785	152	162963	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	119858	44.765	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.540%
7) Chloroethane-d5	1.891	69	93994	45.567	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.140%
11) 1,1-Dichloroethene-d2	2.544	63	216598	46.670	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.340%
21) 2-Butanone-d5	4.595	46	146764	96.150	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.150%
24) Chloroform-d	5.029	84	217617	48.442	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.880%
26) 1,2-Dichloroethane-d4	5.669	65	142270	48.162	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.320%
32) Benzene-d6	5.695	84	417071	46.777	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.560%
36) 1,2-Dichloropropane-d6	6.660	67	123222	47.076	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.160%
41) Toluene-d8	7.872	98	393694	46.505	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.000%
43) trans-1,3-Dichloroprop...	8.155	79	47286	43.715	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.440%
47) 2-Hexanone-d5	8.608	63	94564	99.365	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.370%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	185611	48.490	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.980%
66) 1,2-Dichlorobenzene-d4	12.167	152	152458	49.558	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	83855	46.470	ug/L	100
3) Chloromethane	1.509	50	95424	46.738	ug/L	98
5) Vinyl chloride	1.589	62	112584	47.425	ug/L	99
6) Bromomethane	1.837	94	74606	49.592	ug/L	99
8) Chloroethane	1.914	64	76396	48.212	ug/L	100
9) Trichlorofluoromethane	2.116	101	181988	48.605	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	106120	47.954	ug/L	100
12) 1,1-Dichloroethene	2.554	96	94732	46.806	ug/L	96
13) Acetone	2.602	43	184492	89.308	ug/L	99
14) Carbon disulfide	2.766	76	234595	44.498	ug/L	98
15) Methyl Acetate	2.923	43	129092	52.040	ug/L	98
16) Methylene chloride	3.017	84	115201	48.826	ug/L	99
17) trans-1,2-Dichloroethene	3.325	96	103778	48.093	ug/L	97
18) Methyl tert-butyl Ether	3.335	73	359436	49.218	ug/L	99
19) 1,1-Dichloroethane	3.833	63	200543	48.230	ug/L	99
20) cis-1,2-Dichloroethene	4.631	96	121173	48.784	ug/L	98
22) 2-Butanone	4.673	43	199866	87.087	ug/L	97
23) Bromochloromethane	4.943	128	63783	49.947	ug/L	96
25) Chloroform	5.055	83	221980	49.320	ug/L	100

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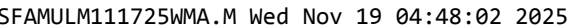
Instrument :
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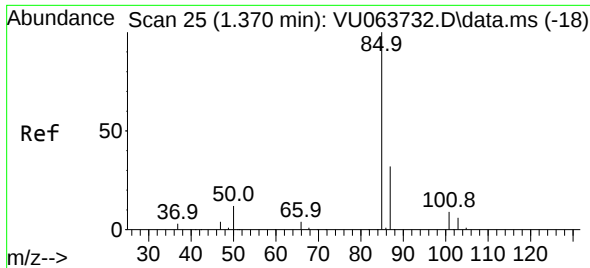
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	184947	50.337	ug/L	98
29) Cyclohexane	5.354	56	180072	47.050	ug/L	97
30) 1,1,1-Trichloroethane	5.284	97	180687	46.518	ug/L	100
31) Carbon tetrachloride	5.492	117	142147	46.541	ug/L	96
33) Benzene	5.743	78	452330	48.755	ug/L	100
34) Trichloroethene	6.512	95	127191	47.555	ug/L	98
35) Methylcyclohexane	6.734	83	179411	45.696	ug/L	99
37) 1,2-Dichloropropane	6.759	63	114784	47.607	ug/L	100
38) Bromodichloromethane	7.078	83	155508	47.101	ug/L	95
39) cis-1,3-Dichloropropene	7.579	75	165511	46.288	ug/L	99
40) 4-Methyl-2-pentanone	7.763	43	352272	100.939	ug/L	100
42) Toluene	7.943	91	494041	48.234	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	142086	45.522	ug/L	97
45) 1,1,2-Trichloroethane	8.373	97	124839	48.959	ug/L	99
46) Tetrachloroethene	8.525	164	96661	47.258	ug/L	99
48) 2-Hexanone	8.660	43	279243	101.943	ug/L	99
49) Dibromochloromethane	8.782	129	116628	47.362	ug/L	99
50) 1,2-Dibromoethane	8.894	107	130535	48.771	ug/L	98
51) Chlorobenzene	9.422	112	328261	47.491	ug/L	99
52) Ethylbenzene	9.544	91	570207	47.945	ug/L	100
53) m,p-Xylene	9.669	106	212121	46.794	ug/L	98
54) o-Xylene	10.074	106	215558	48.830	ug/L	97
55) Styrene	10.090	104	354654	49.583	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.753	83	203396	48.976	ug/L	100
59) Bromoform	10.264	173	82722	44.698	ug/L	98
60) 1,2,3-Trichloropropane	10.795	75	169260	47.587	ug/L	100
61) Isopropylbenzene	10.457	105	574156	46.702	ug/L	99
62) 1,3,5-Trimethylbenzene	11.061	105	474965	46.967	ug/L	98
63) 1,2,4-Trimethylbenzene	11.441	105	457417	47.386	ug/L	99
64) 1,3-Dichlorobenzene	11.721	146	260419	47.250	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	258758	45.837	ug/L	100
67) 1,2-Dichlorobenzene	12.187	146	252959	47.340	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.968	75	40844	46.504	ug/L	90
69) 1,3,5-Trichlorobenzene	13.190	180	179702	48.241	ug/L	98
70) 1,2,4-trichlorobenzene	13.814	180	143597	46.229	ug/L	99
71) Naphthalene	14.058	128	388173	46.958	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	134444	45.666	ug/L	100

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

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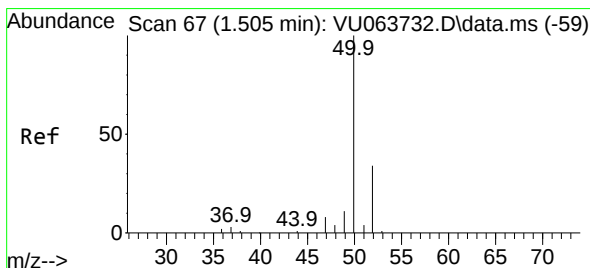
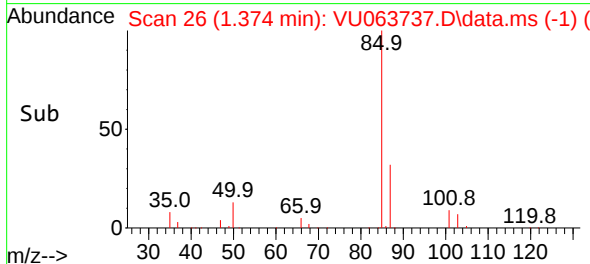
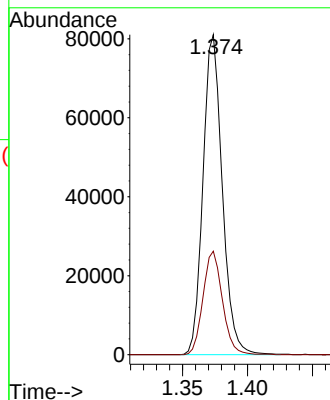
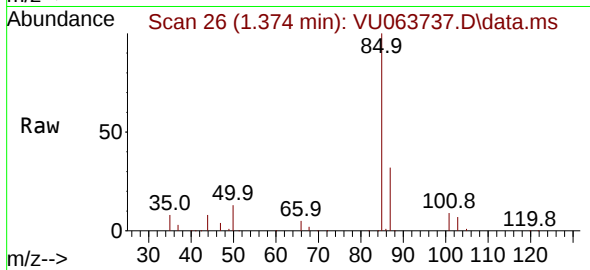




#2
 Dichlorodifluoromethane
 Concen: 46.470 ug/L
 RT: 1.374 min Scan# 2
 Delta R.T. 0.003 min
 Lab File: VU063737.D
 Acq: 18 Nov 2025 12:35

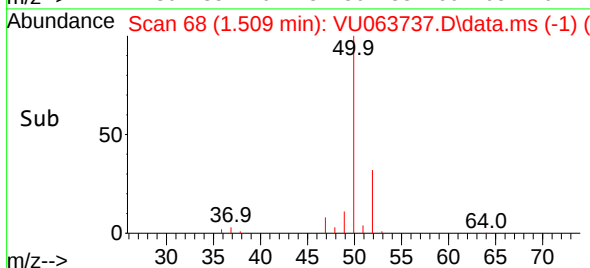
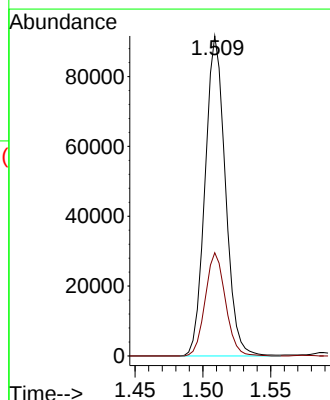
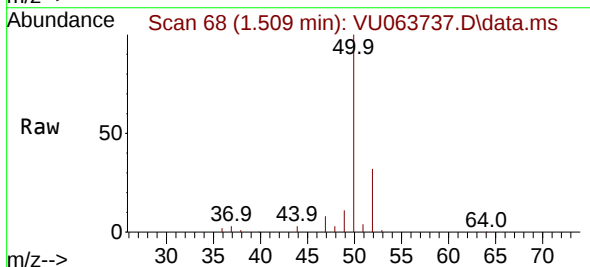
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050114

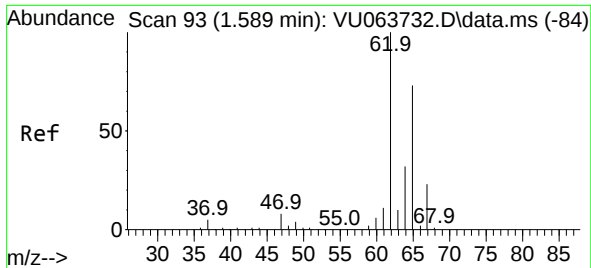
Tgt Ion: 85 Resp: 83855
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.2 39.2



#3
 Chloromethane
 Concen: 46.738 ug/L
 RT: 1.509 min Scan# 68
 Delta R.T. 0.003 min
 Lab File: VU063737.D
 Acq: 18 Nov 2025 12:35

Tgt Ion: 50 Resp: 95424
 Ion Ratio Lower Upper
 50 100
 52 32.2 23.2 43.2

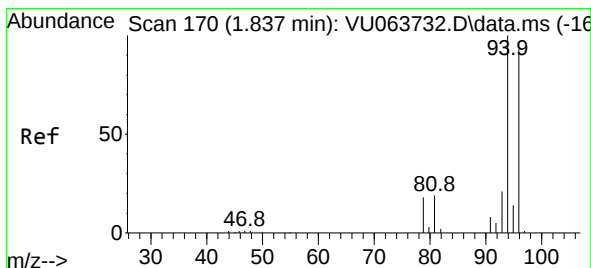
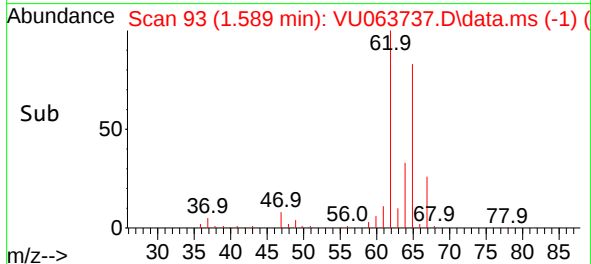
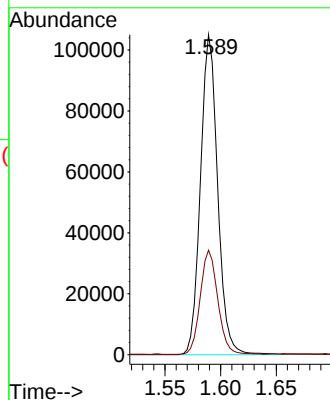
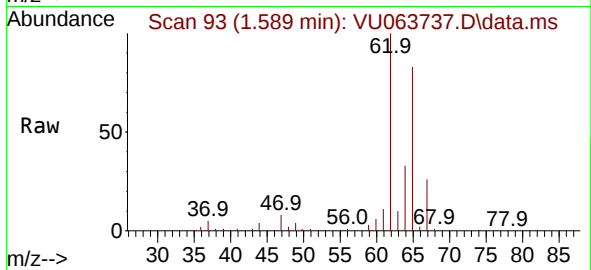




#5
 Vinyl chloride
 Concen: 47.425 ug/L
 RT: 1.589 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU063737.D
 Acq: 18 Nov 2025 12:35

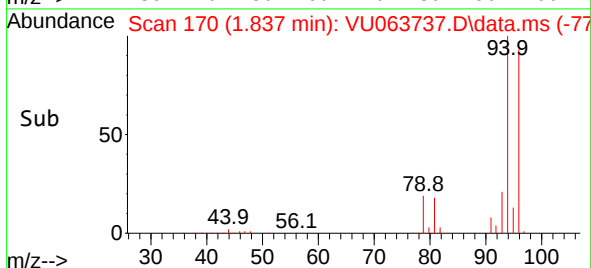
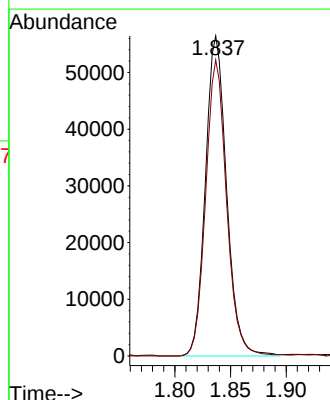
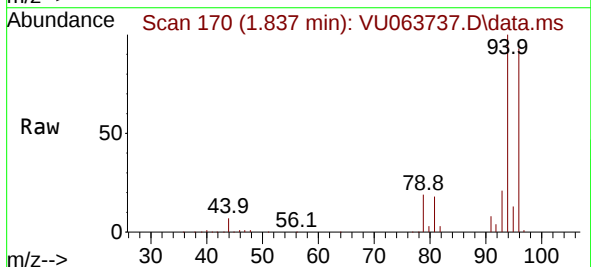
Instrument :
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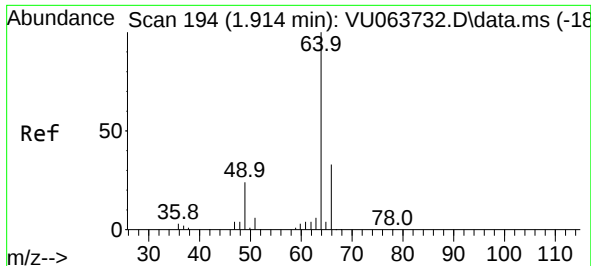
Tgt Ion: 62 Resp: 112584
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.2 43.2



#6
 Bromomethane
 Concen: 49.592 ug/L
 RT: 1.837 min Scan# 170
 Delta R.T. 0.000 min
 Lab File: VU063737.D
 Acq: 18 Nov 2025 12:35

Tgt Ion: 94 Resp: 74606
 Ion Ratio Lower Upper
 94 100
 96 92.5 63.8 118.4

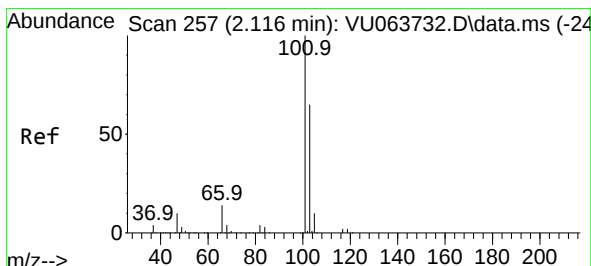
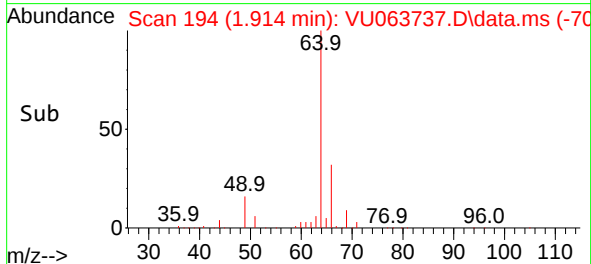
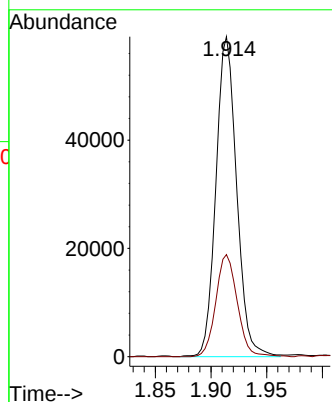
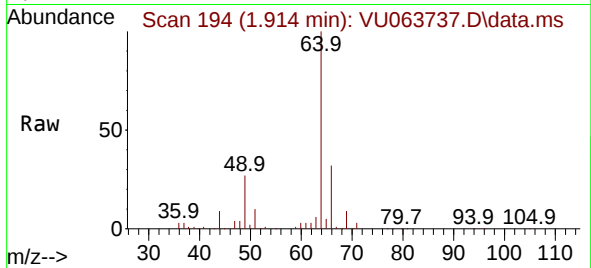




#8
Chloroethane
Concen: 48.212 ug/L
RT: 1.914 min Scan# 194
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

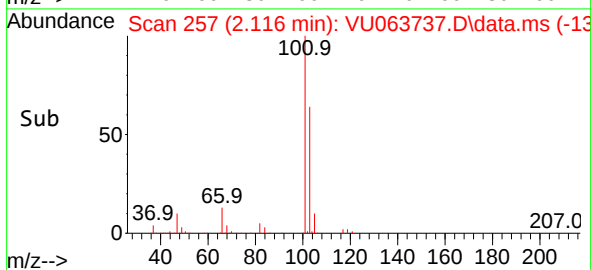
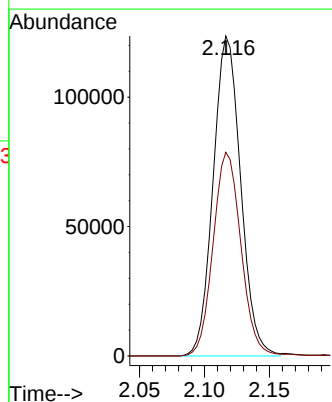
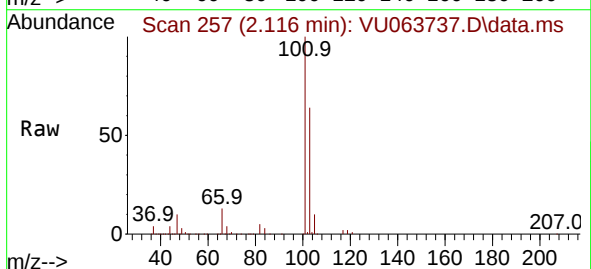
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MSVOA_U
ClientSampleId :
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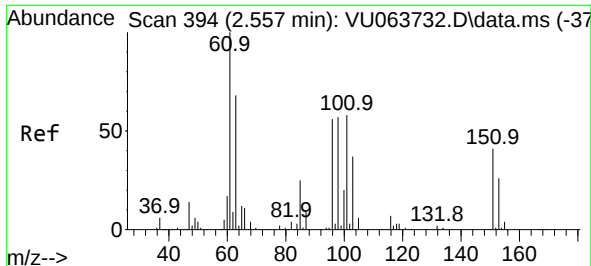
Tgt Ion: 64 Resp: 76396
Ion Ratio Lower Upper
64 100
66 31.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 48.605 ug/L
RT: 2.116 min Scan# 257
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

Tgt Ion:101 Resp: 181988
Ion Ratio Lower Upper
101 100
103 64.2 52.0 78.0





#10

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

Concen: 47.954 ug/L

RT: 2.554 min Scan# 393

Delta R.T. -0.003 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050114

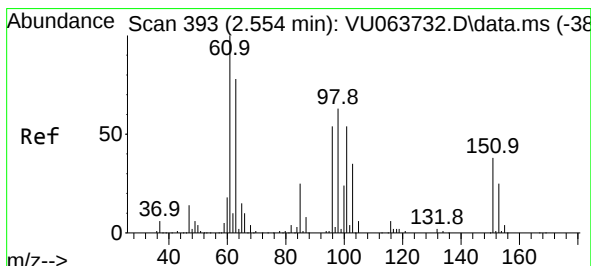
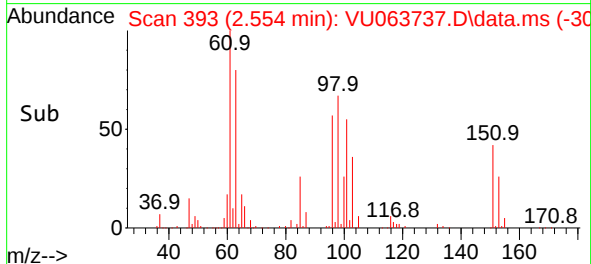
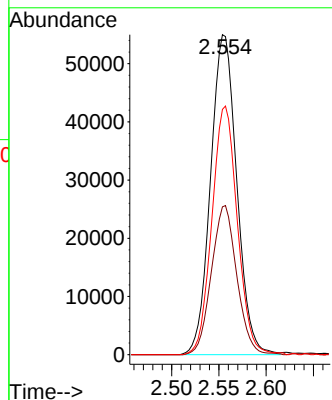
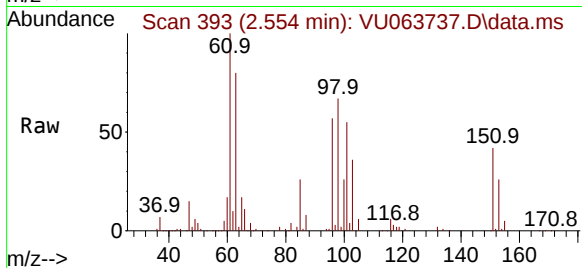
Tgt Ion:101 Resp: 106120

Ion Ratio Lower Upper

101 100

85 45.0 36.3 54.5

151 75.3 60.1 90.1



#12

1,1-Dichloroethene

Concen: 46.806 ug/L

RT: 2.554 min Scan# 393

Delta R.T. 0.000 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

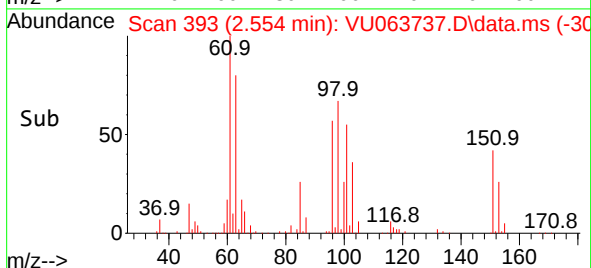
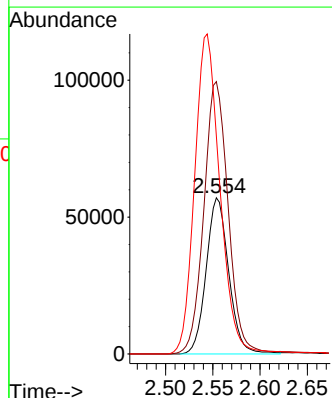
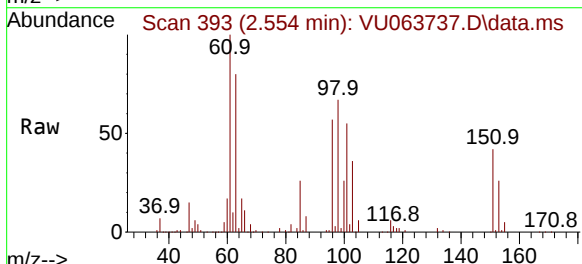
Tgt Ion: 96 Resp: 94732

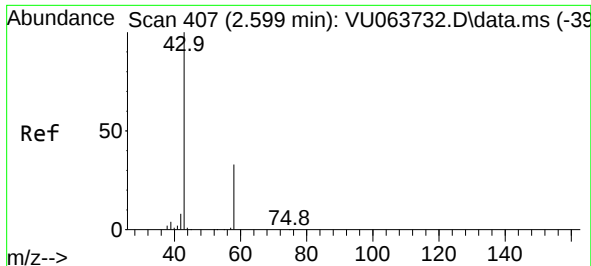
Ion Ratio Lower Upper

96 100

61 174.3 123.3 228.9

63 139.5 103.3 191.8





#13

Acetone

Concen: 89.308 ug/L

RT: 2.602 min Scan# 408

Delta R.T. 0.003 min

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Acq: 18 Nov 2025 12:35

Instrument :

MSVOA_U

ClientSampleId :

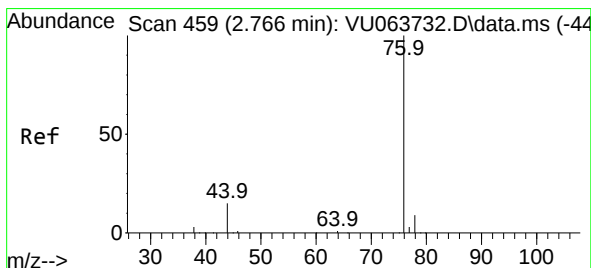
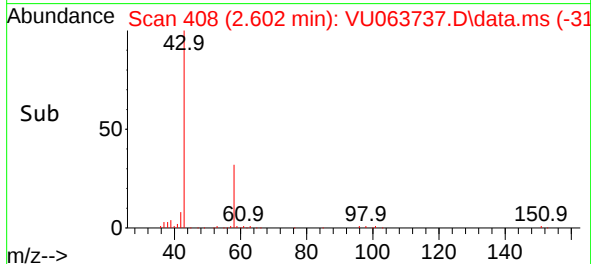
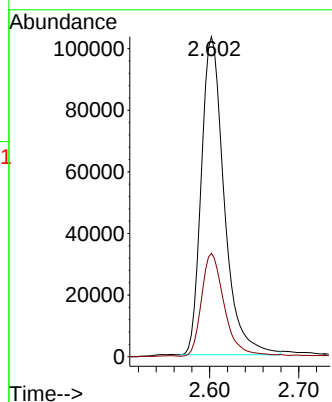
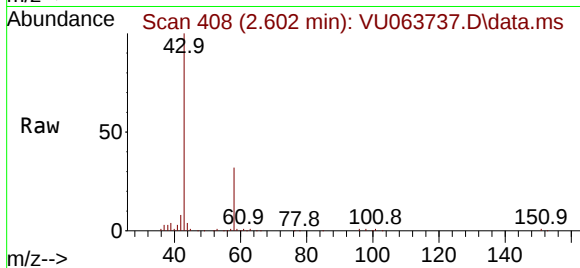
VSTD050114

Tgt Ion: 43 Resp: 184492

Ion Ratio Lower Upper

43 100

58 32.1 0.0 63.4



#14

Carbon disulfide

Concen: 44.498 ug/L

RT: 2.766 min Scan# 459

Delta R.T. 0.000 min

Lab File: VU063737.D

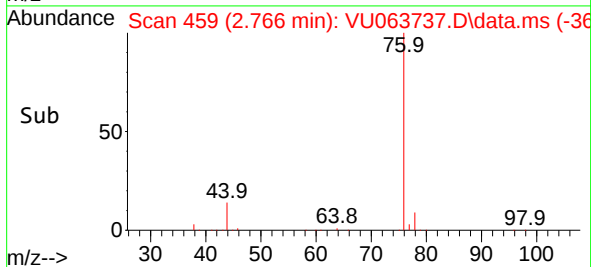
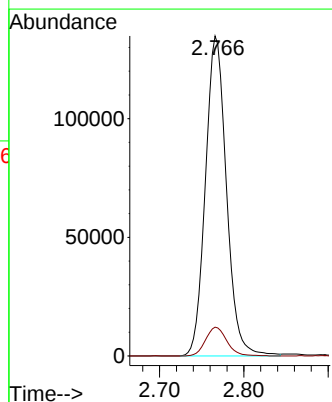
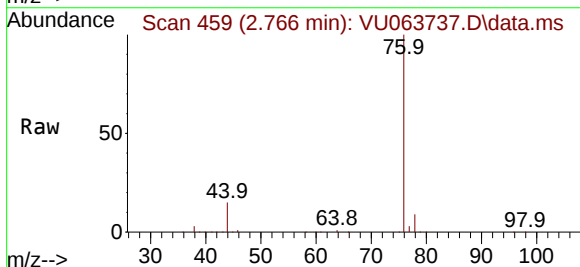
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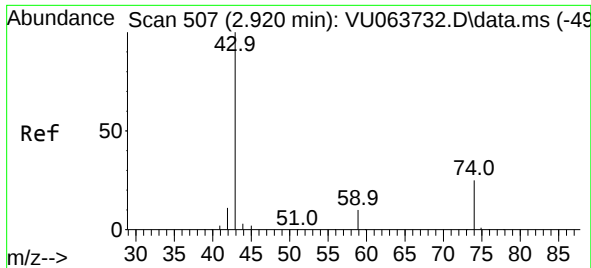
Tgt Ion: 76 Resp: 234595

Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.6

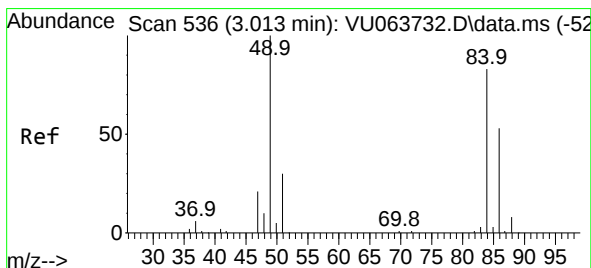
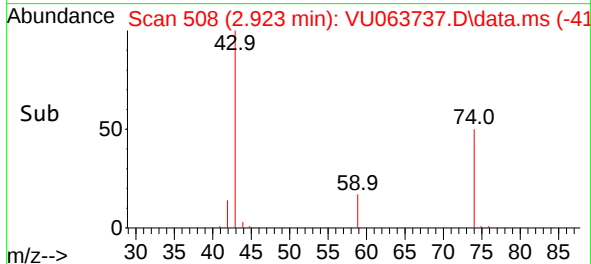
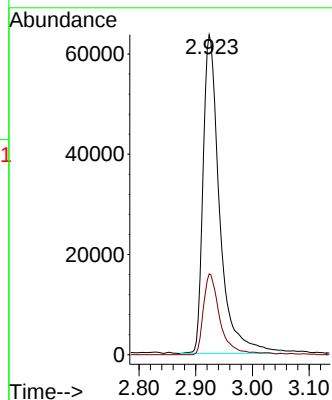
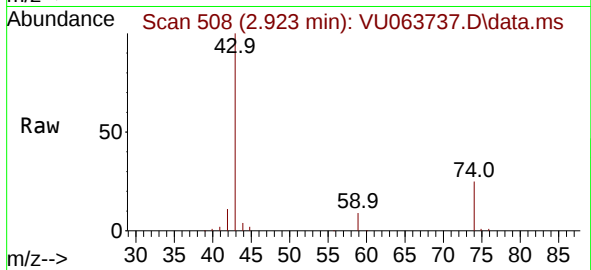




#15
Methyl Acetate
Concen: 52.040 ug/L
RT: 2.923 min Scan# 507
Delta R.T. 0.003 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

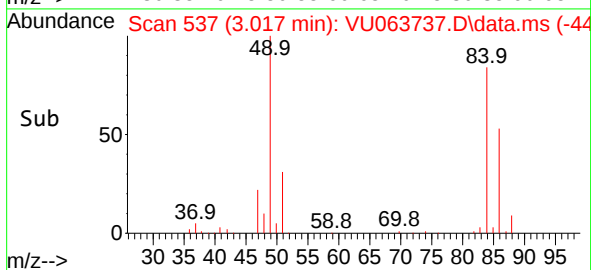
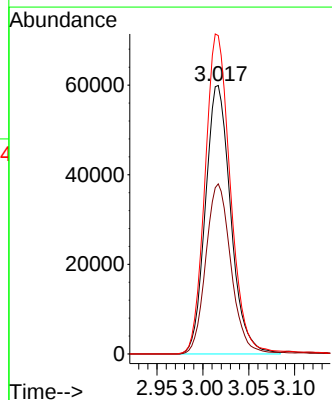
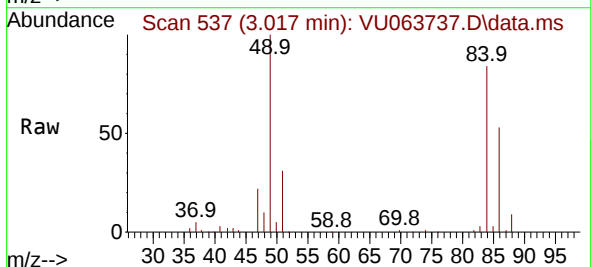
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

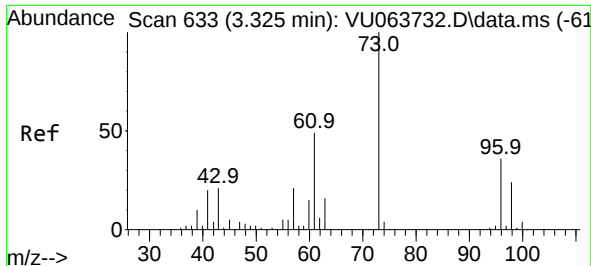
Tgt Ion: 43 Resp: 129092
Ion Ratio Lower Upper
43 100
74 24.7 20.5 30.7



#16
Methylene chloride
Concen: 48.826 ug/L
RT: 3.017 min Scan# 537
Delta R.T. 0.003 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

Tgt Ion: 84 Resp: 115201
Ion Ratio Lower Upper
84 100
86 63.4 45.2 84.0
49 118.6 83.6 155.2





#17

trans-1,2-Dichloroethene

Concen: 48.093 ug/L

RT: 3.325 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050114

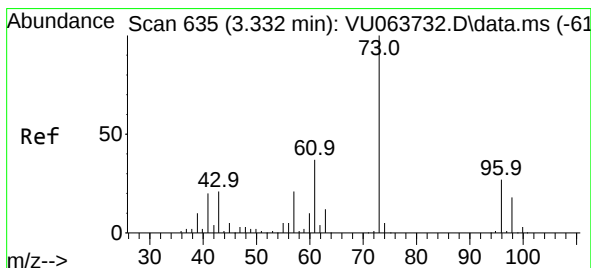
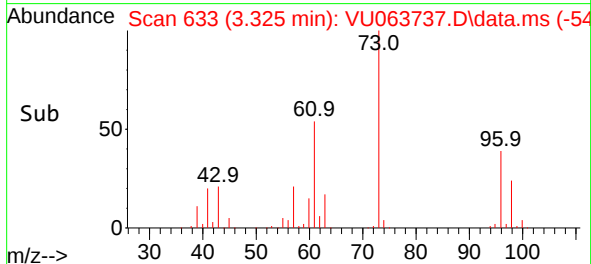
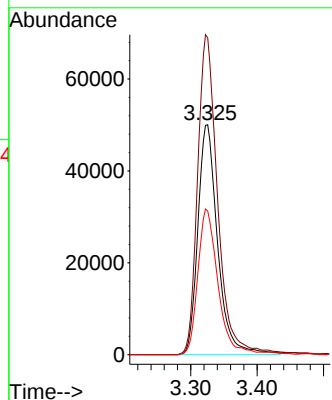
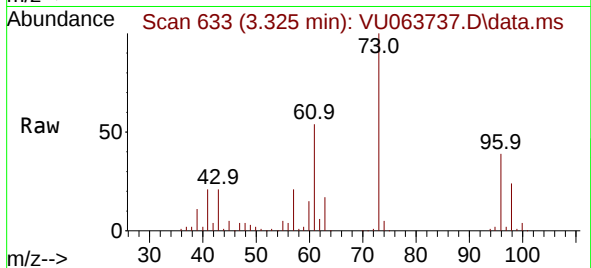
Tgt Ion: 96 Resp: 103778

Ion Ratio Lower Upper

96 100

61 137.8 92.7 172.1

98 62.5 43.2 80.2



#18

Methyl tert-butyl Ether

Concen: 49.218 ug/L

RT: 3.335 min Scan# 636

Delta R.T. 0.003 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

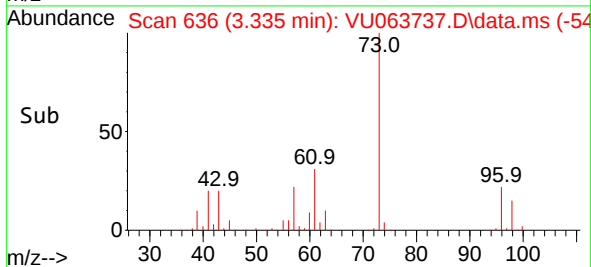
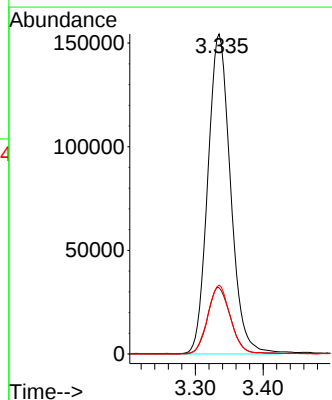
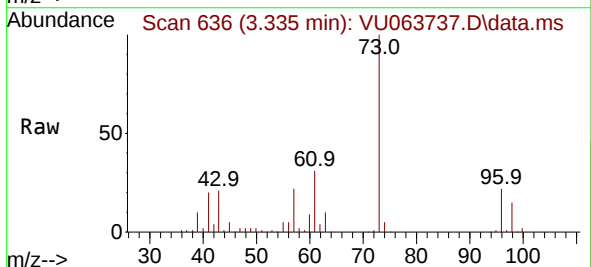
Tgt Ion: 73 Resp: 359436

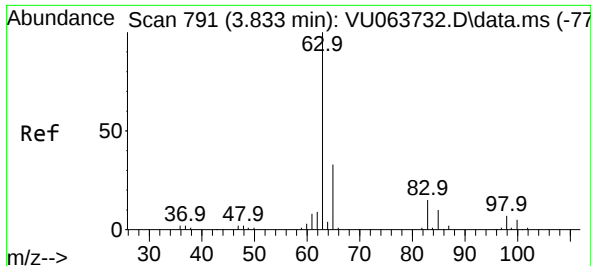
Ion Ratio Lower Upper

73 100

43 20.8 16.6 24.8

57 21.3 16.3 24.5

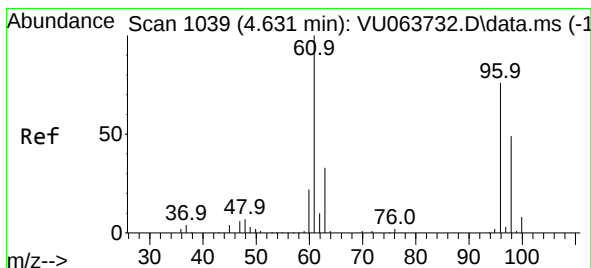
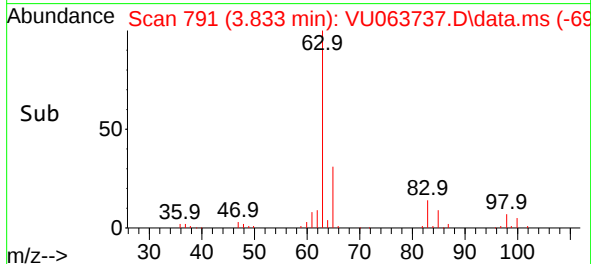
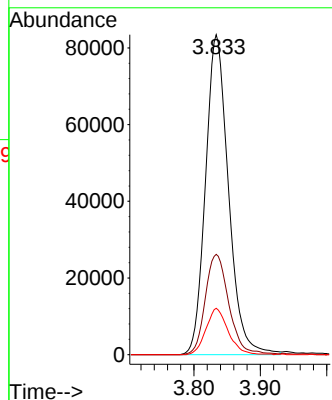
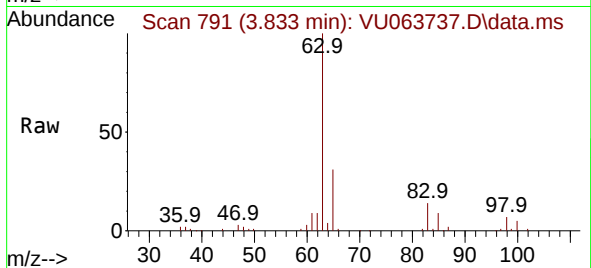




#19
1,1-Dichloroethane
Concen: 48.230 ug/L
RT: 3.833 min Scan# 791
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

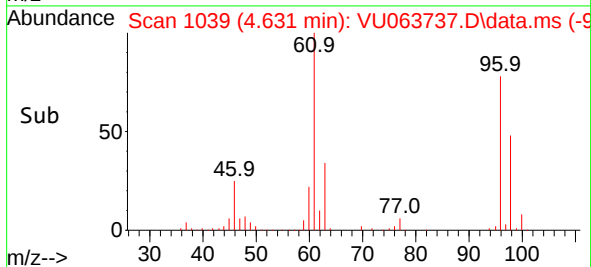
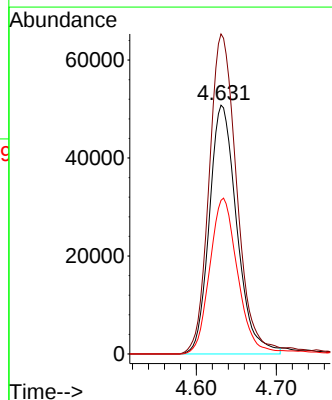
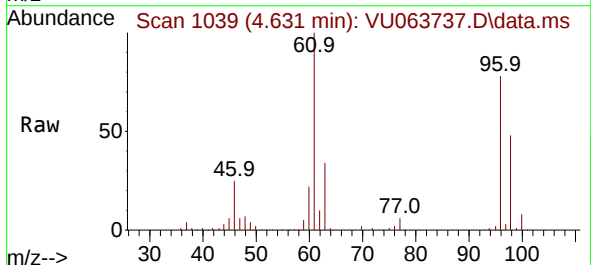
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

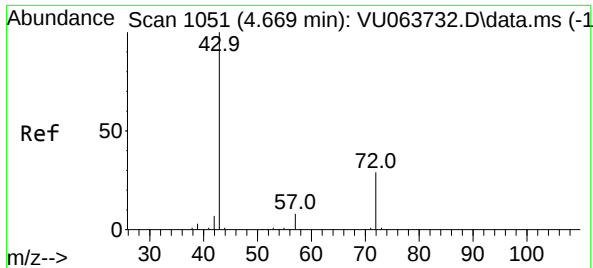
Tgt Ion: 63 Resp: 200543
Ion Ratio Lower Upper
63 100
65 31.3 22.0 41.0
83 14.5 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 48.784 ug/L
RT: 4.631 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

Tgt Ion: 96 Resp: 121173
Ion Ratio Lower Upper
96 100
61 128.6 90.3 167.7
98 61.7 46.3 86.1

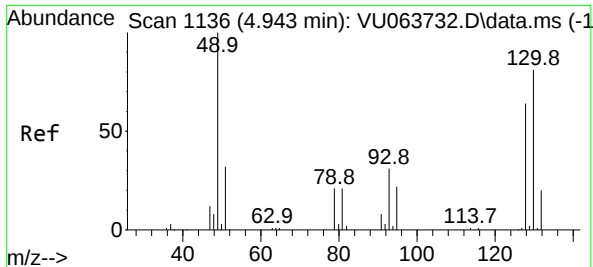
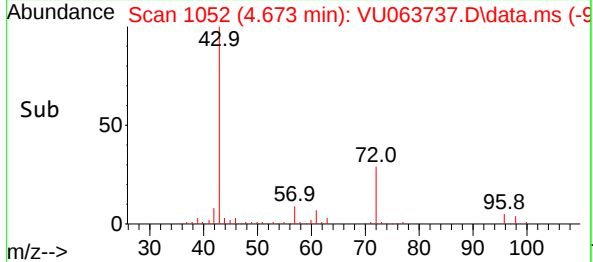
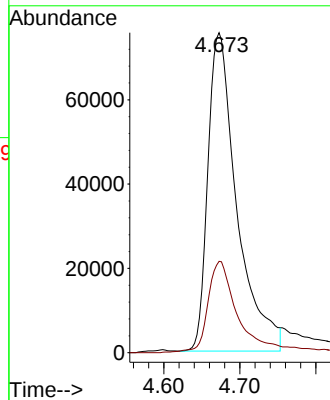
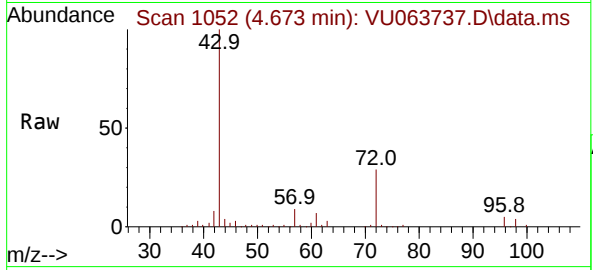




#22
2-Butanone
Concen: 87.087 ug/L
RT: 4.673 min Scan# 1051
Delta R.T. 0.003 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

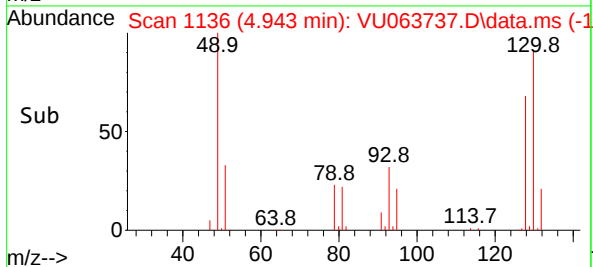
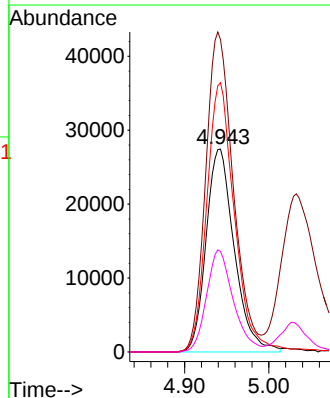
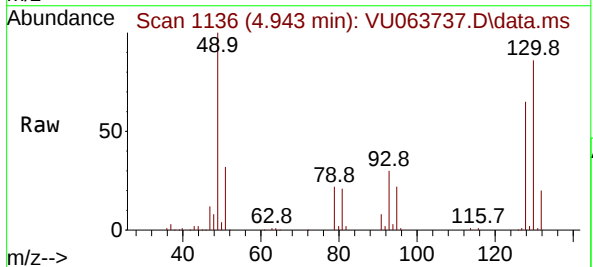
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

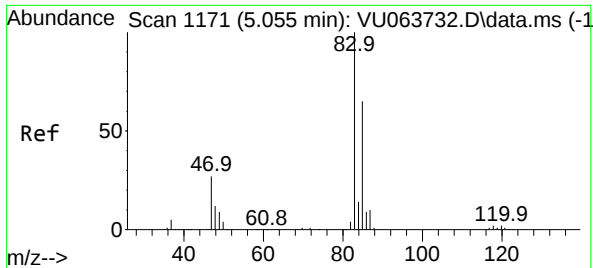
Tgt Ion: 43 Resp: 199866
Ion Ratio Lower Upper
43 100
72 28.5 13.6 40.7



#23
Bromochloromethane
Concen: 49.947 ug/L
RT: 4.943 min Scan# 1136
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

Tgt Ion:128 Resp: 63783
Ion Ratio Lower Upper
128 100
49 153.9 113.5 210.7
130 132.7 89.8 166.8
51 49.6 39.7 59.5

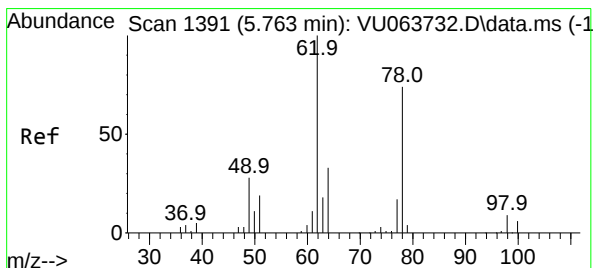
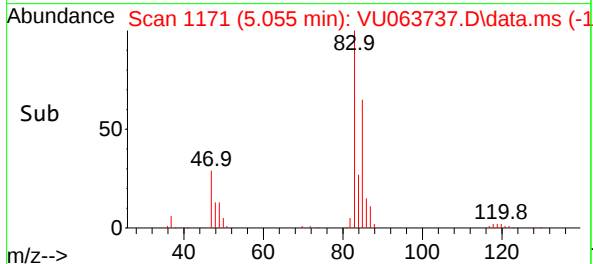
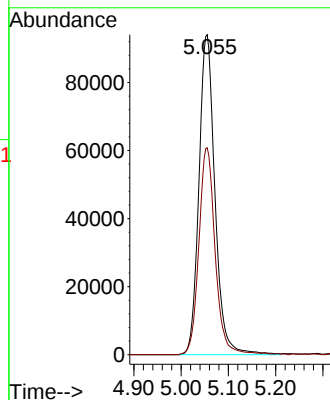
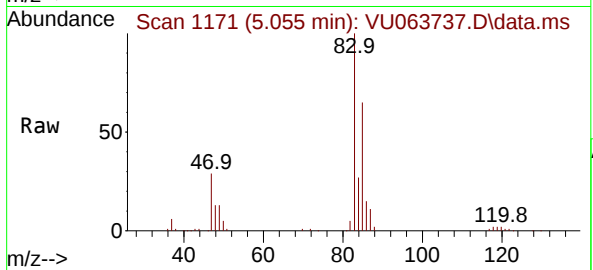




#25
Chloroform
Concen: 49.320 ug/L
RT: 5.055 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

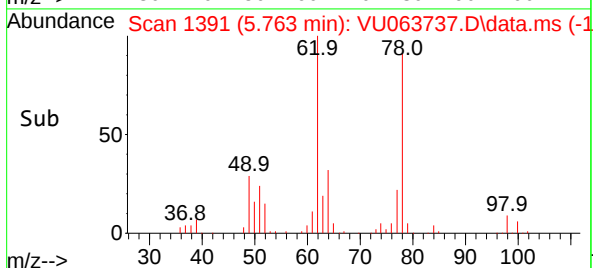
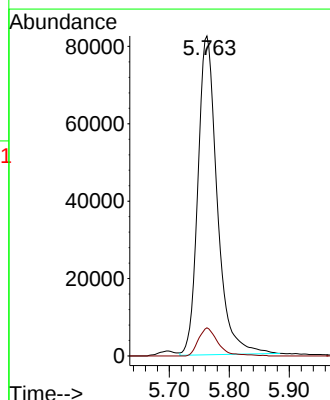
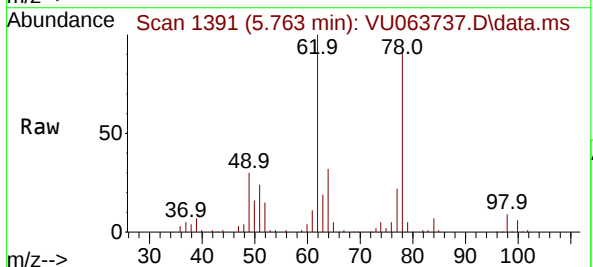
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

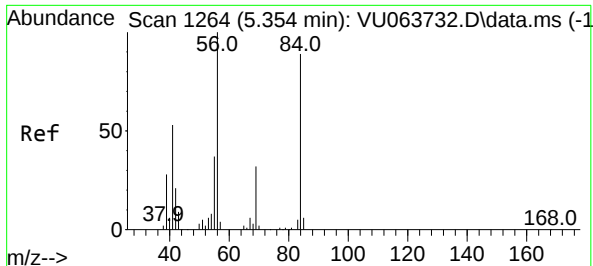
Tgt Ion: 83 Resp: 221980
Ion Ratio Lower Upper
83 100
85 64.7 45.4 84.4



#27
1,2-Dichloroethane
Concen: 50.337 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

Tgt Ion: 62 Resp: 184947
Ion Ratio Lower Upper
62 100
98 8.8 7.6 11.4





#29

Cyclohexane

Concen: 47.050 ug/L

RT: 5.354 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050114

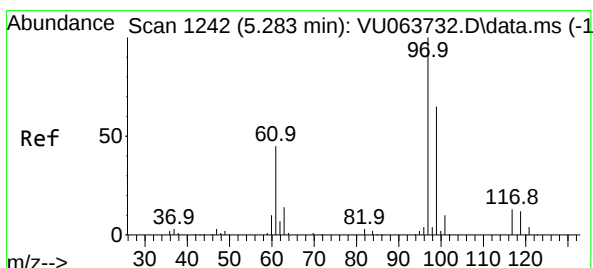
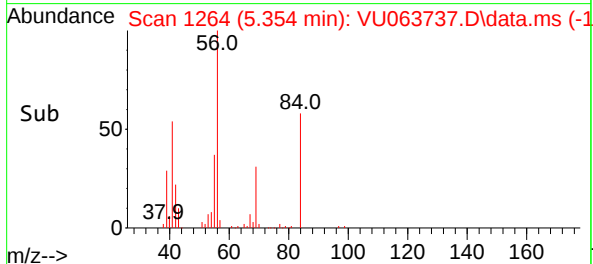
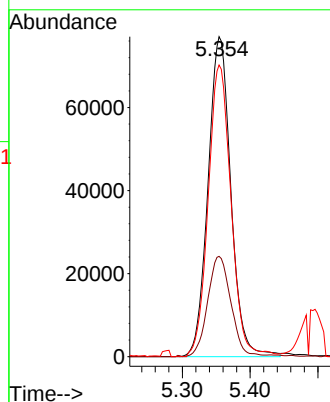
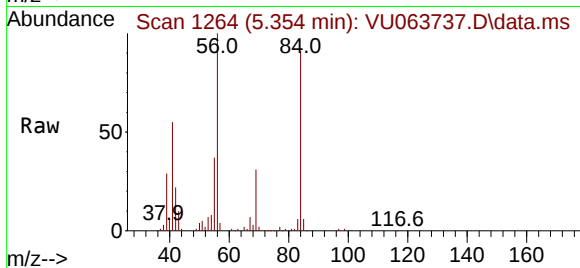
Tgt Ion: 56 Resp: 180072

Ion Ratio Lower Upper

56 100

69 31.9 25.8 38.8

84 90.6 69.3 103.9



#30

1,1,1-Trichloroethane

Concen: 46.518 ug/L

RT: 5.284 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

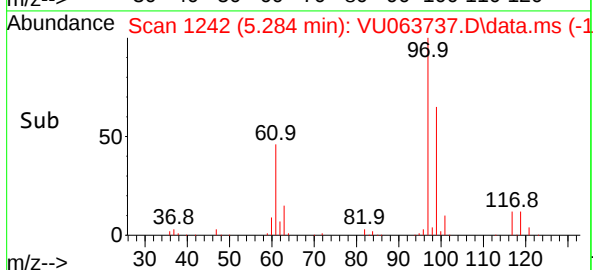
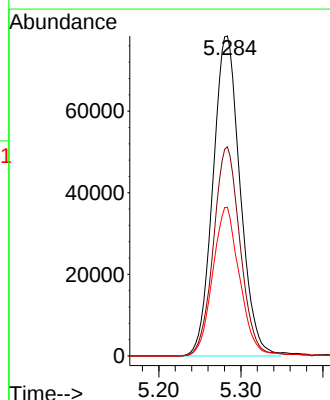
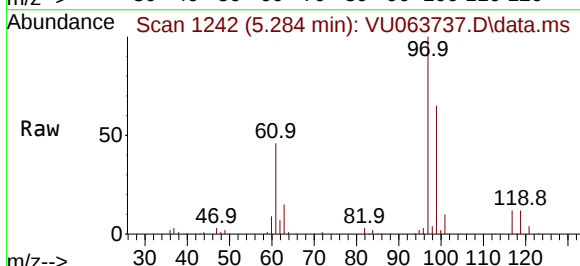
Tgt Ion: 97 Resp: 180687

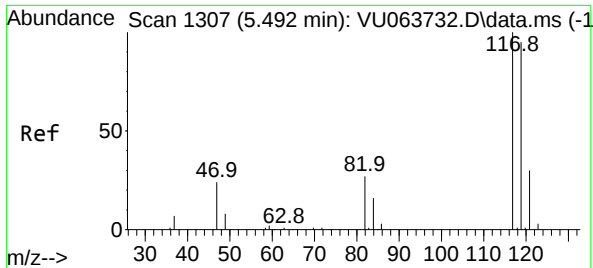
Ion Ratio Lower Upper

97 100

99 63.8 50.7 76.1

61 46.2 37.2 55.8

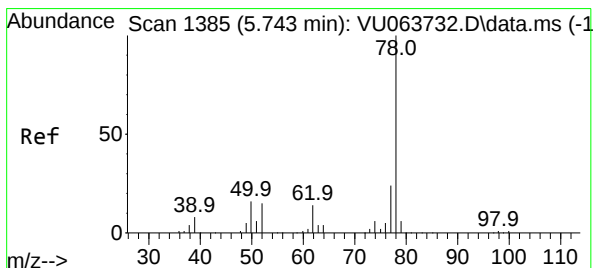
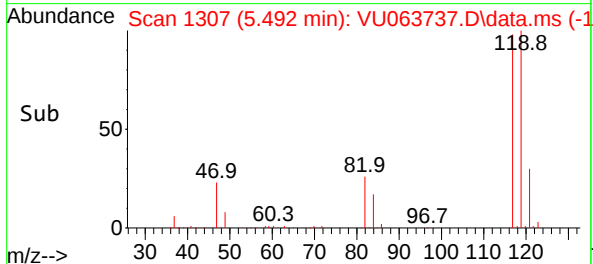
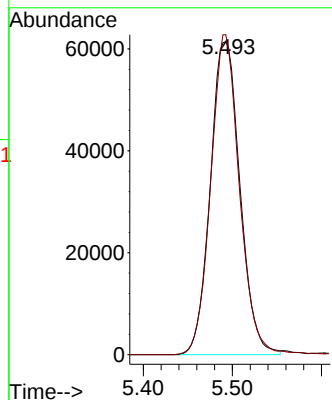
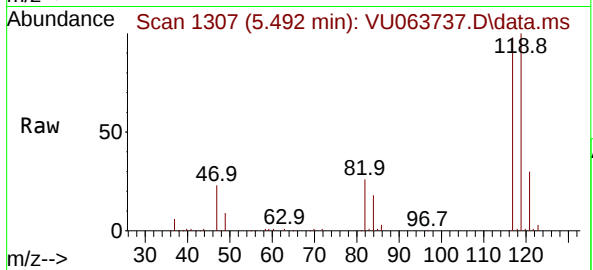




#31
Carbon tetrachloride
Concen: 46.541 ug/L
RT: 5.492 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

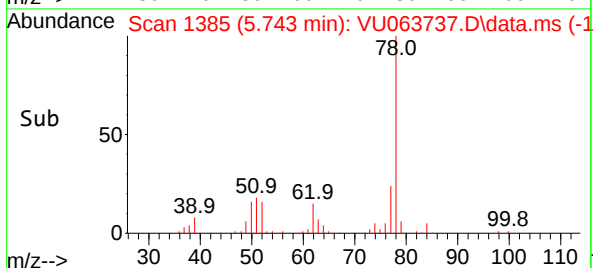
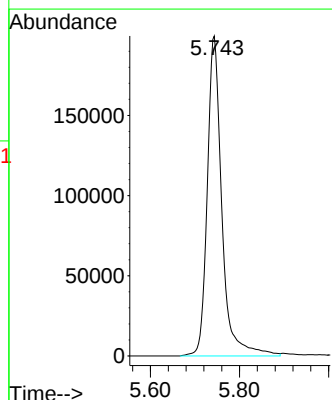
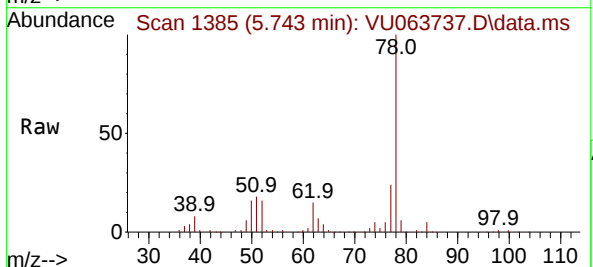
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

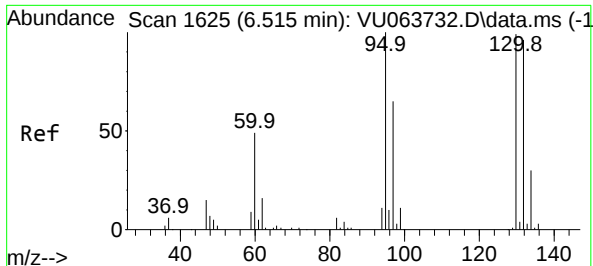
Tgt Ion:117 Resp: 142147
Ion Ratio Lower Upper
117 100
119 99.0 76.0 114.0



#33
Benzene
Concen: 48.755 ug/L
RT: 5.743 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

Tgt Ion: 78 Resp: 452330





#34

Trichloroethene

Concen: 47.555 ug/L

RT: 6.512 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050114

Tgt Ion: 95 Resp: 127191

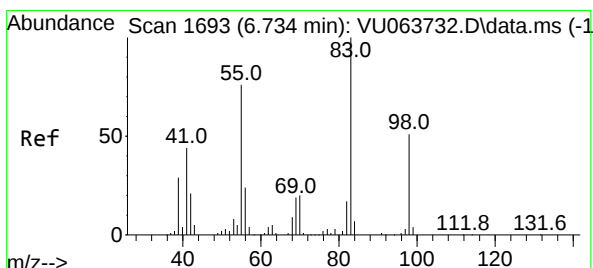
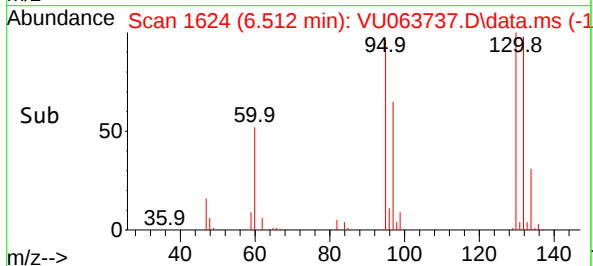
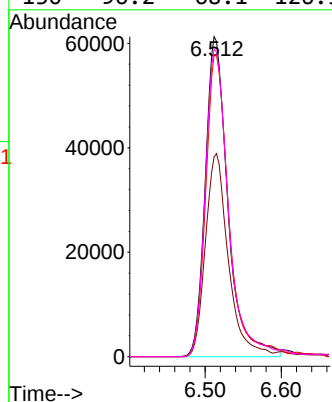
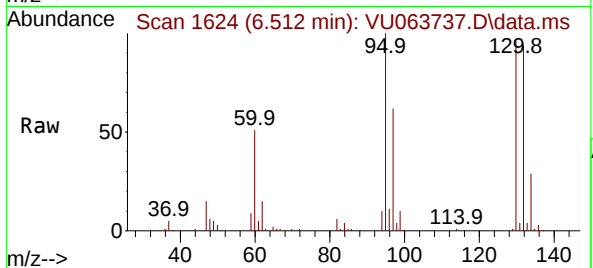
Ion Ratio Lower Upper

95 100

97 62.5 45.1 83.9

132 94.4 68.3 126.8

130 96.2 68.1 126.5



#35

Methylcyclohexane

Concen: 45.696 ug/L

RT: 6.734 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

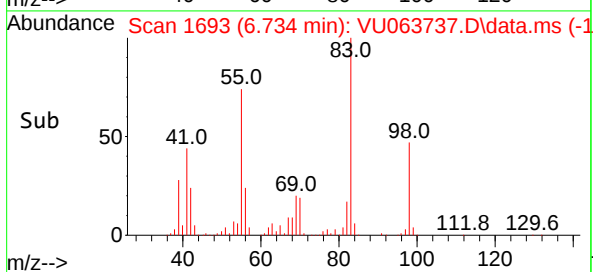
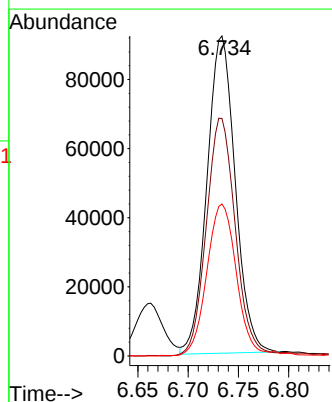
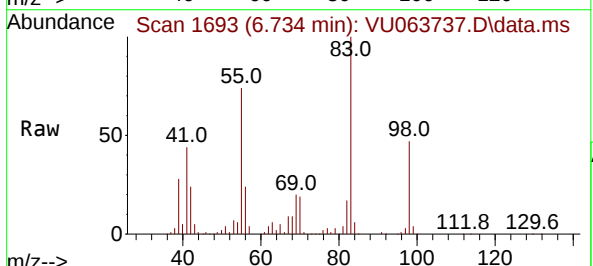
Tgt Ion: 83 Resp: 179411

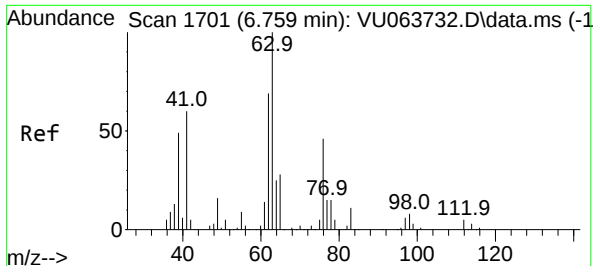
Ion Ratio Lower Upper

83 100

55 77.2 60.9 91.3

98 50.0 39.7 59.5





#37

1,2-Dichloropropane

Concen: 47.607 ug/L

RT: 6.759 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

Instrument :

MSVOA_U

ClientSampleId :

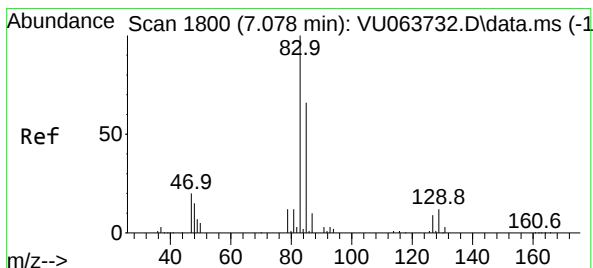
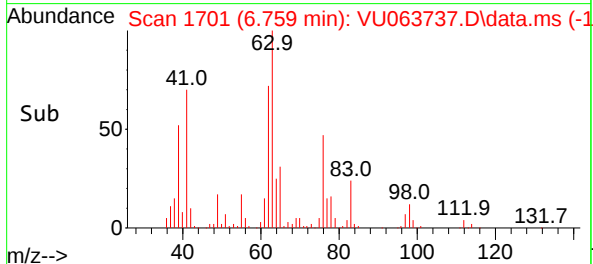
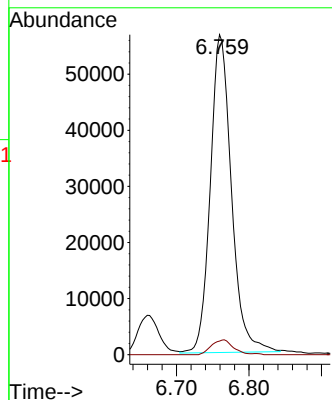
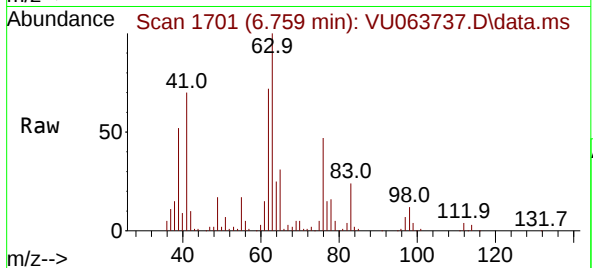
VSTD050114

Tgt Ion: 63 Resp: 114784

Ion Ratio Lower Upper

63 100

112 4.8 3.7 5.5



#38

Bromodichloromethane

Concen: 47.101 ug/L

RT: 7.078 min Scan# 1800

Delta R.T. 0.000 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

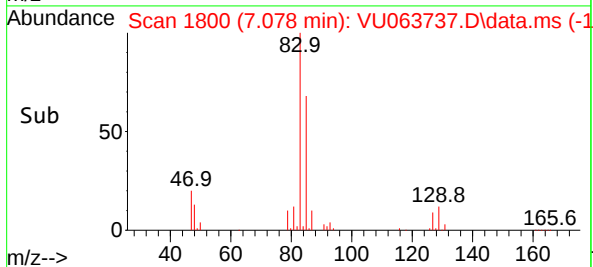
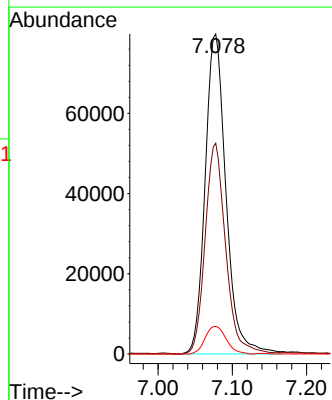
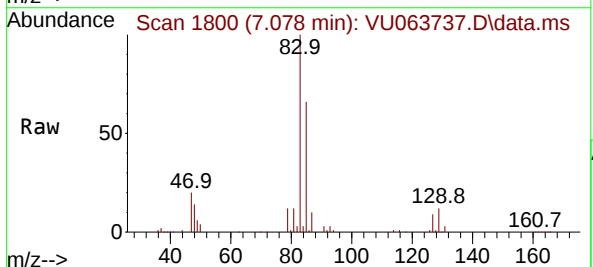
Tgt Ion: 83 Resp: 155508

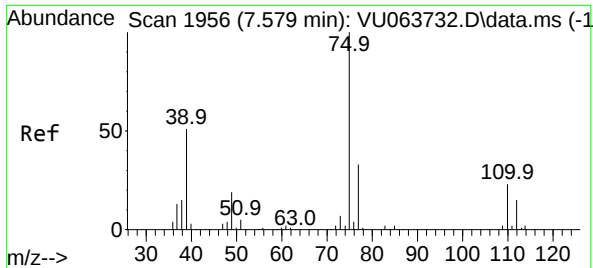
Ion Ratio Lower Upper

83 100

85 65.9 43.1 80.1

127 8.6 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 46.288 ug/L

RT: 7.579 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

Instrument :

MSVOA_U

ClientSampleId :

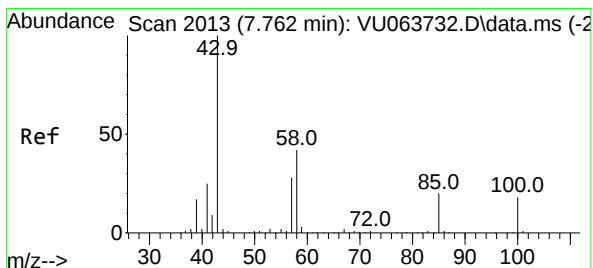
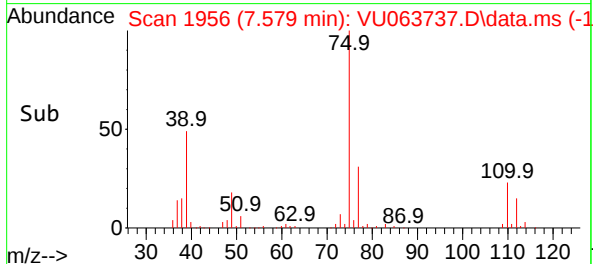
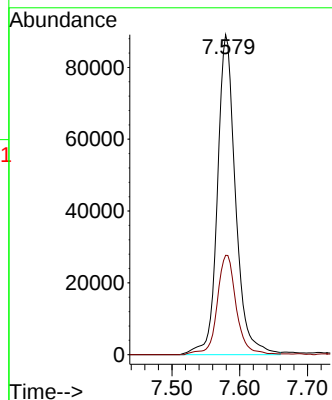
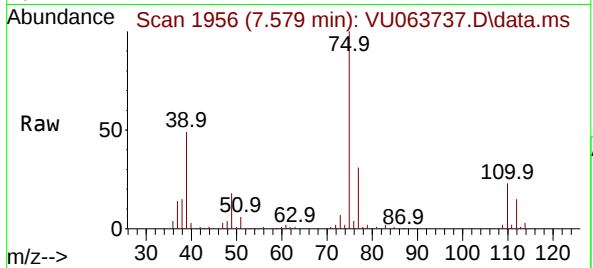
VSTD050114

Tgt Ion: 75 Resp: 165511

Ion Ratio Lower Upper

75 100

77 31.1 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 100.939 ug/L

RT: 7.763 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

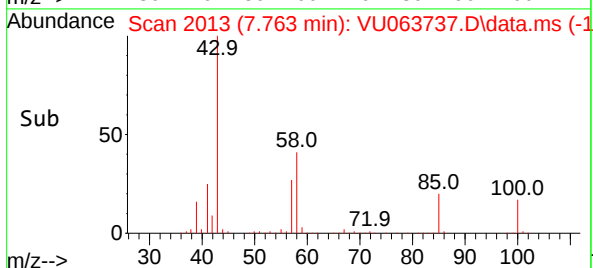
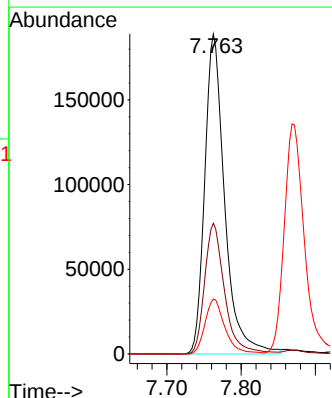
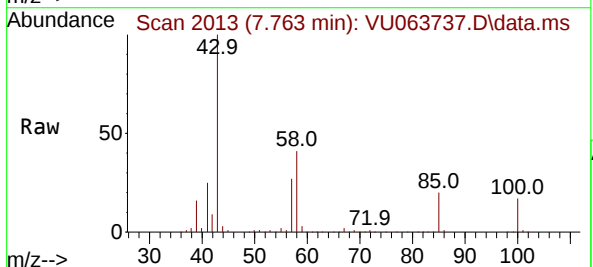
Tgt Ion: 43 Resp: 352272

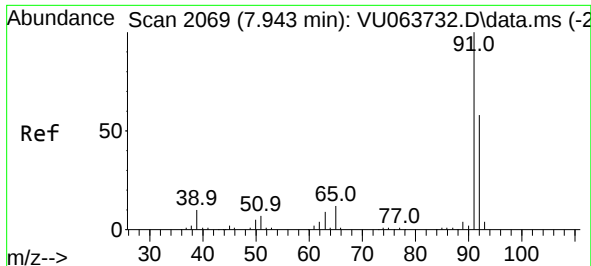
Ion Ratio Lower Upper

43 100

58 40.9 32.9 49.3

100 17.2 13.9 20.9





#42

Toluene

Concen: 48.234 ug/L

RT: 7.943 min Scan# 2069

Delta R.T. 0.000 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

Instrument :

MSVOA_U

ClientSampleId :

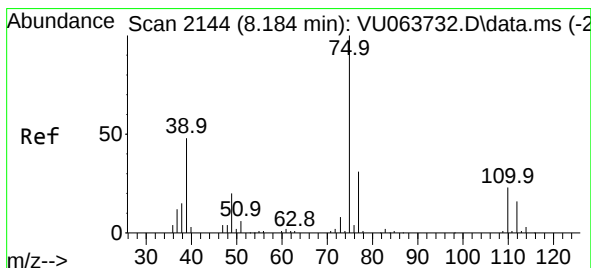
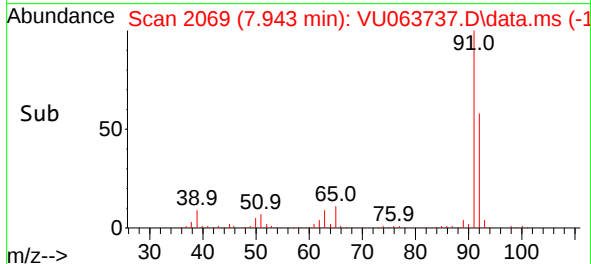
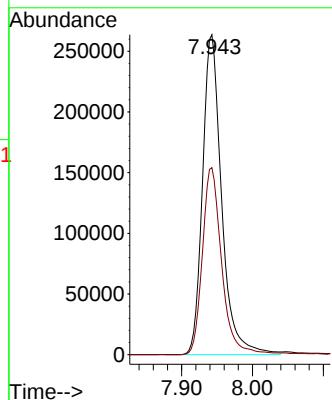
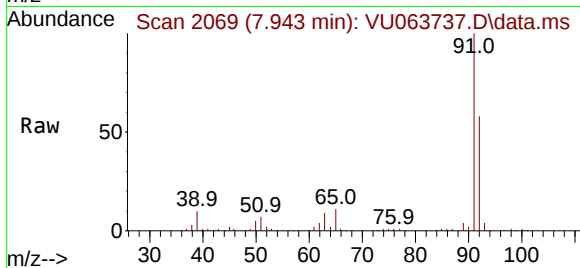
VSTD050114

Tgt Ion: 91 Resp: 494041

Ion Ratio Lower Upper

91 100

92 58.5 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 45.522 ug/L

RT: 8.184 min Scan# 2144

Delta R.T. 0.000 min

Lab File: VU063737.D

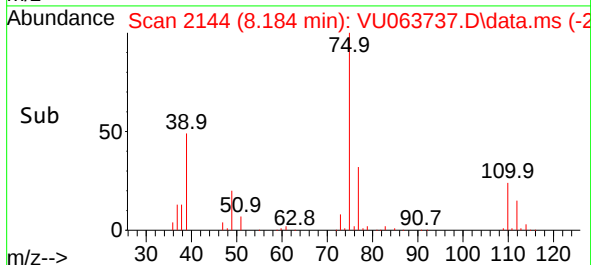
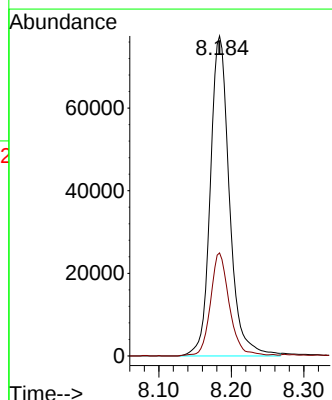
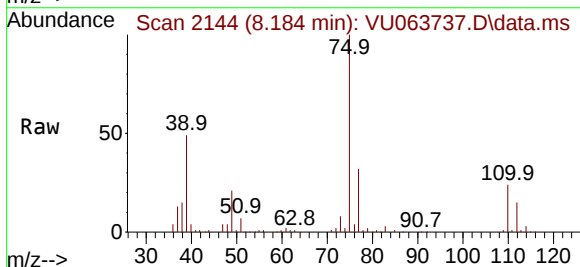
Acq: 18 Nov 2025 12:35

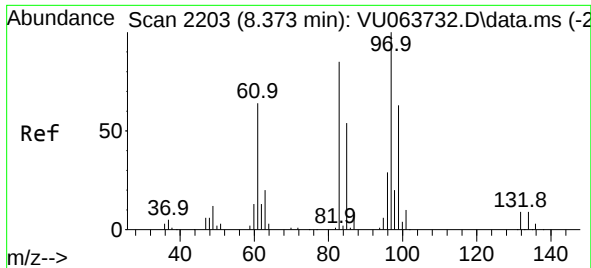
Tgt Ion: 75 Resp: 142086

Ion Ratio Lower Upper

75 100

77 32.2 21.4 39.8

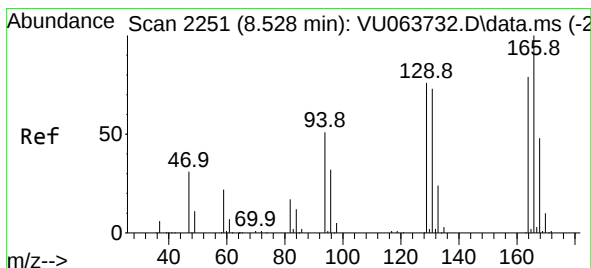
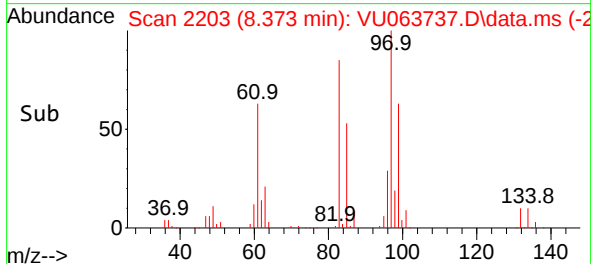
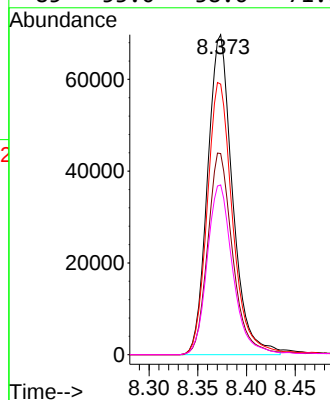
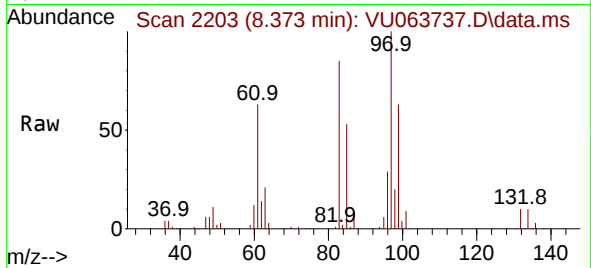




#45
1,1,2-Trichloroethane
Concen: 48.959 ug/L
RT: 8.373 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

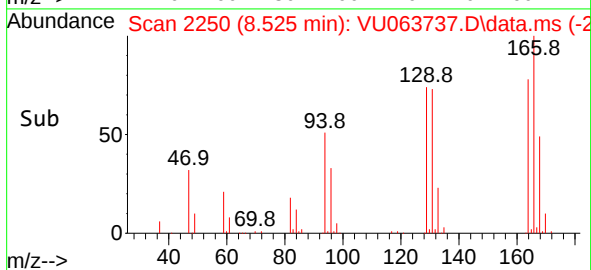
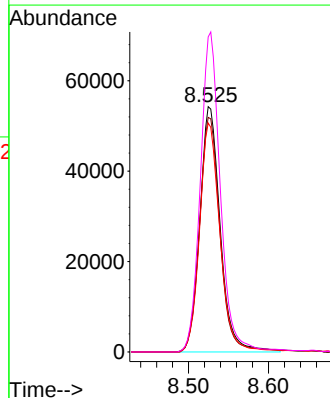
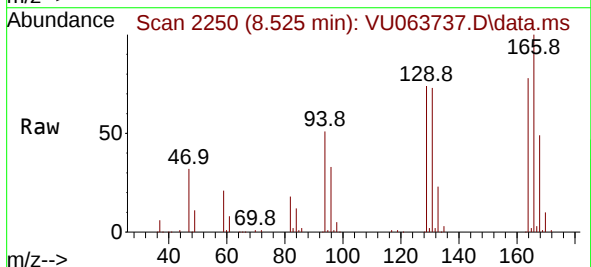
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

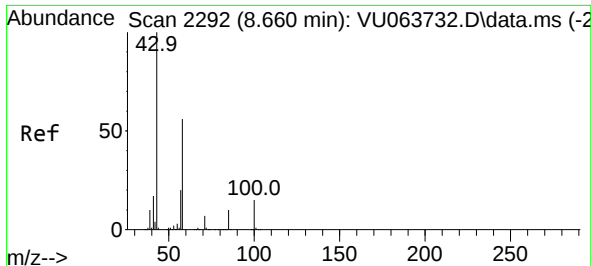
Tgt Ion: 97	Resp: 124839
Ion Ratio	Lower Upper
97 100	
99 62.8	43.7 81.1
83 84.5	59.7 110.9
85 53.0	38.6 71.6



#46
Tetrachloroethene
Concen: 47.258 ug/L
RT: 8.525 min Scan# 2250
Delta R.T. -0.003 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

Tgt	Ion:164	Resp:	96661
Ion	Ratio	Lower	Upper
164	100		
129	95.6	68.5	127.3
131	93.4	64.3	119.3
166	128.5	89.5	166.1

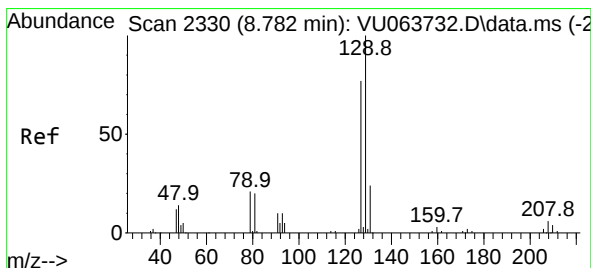
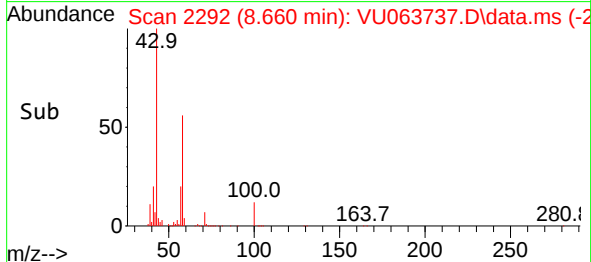
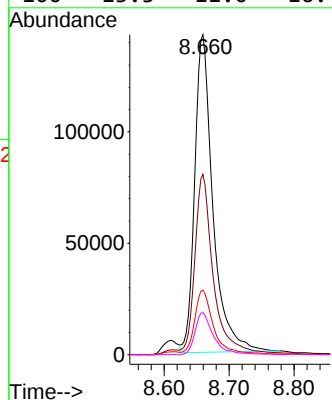
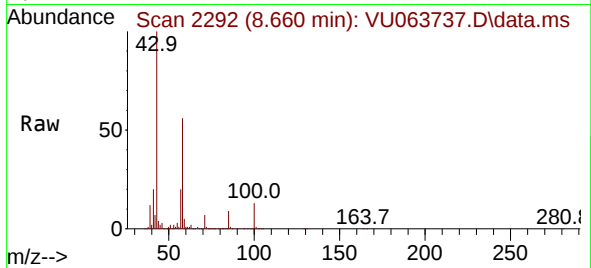




#48
2-Hexanone
Concen: 101.943 ug/L
RT: 8.660 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

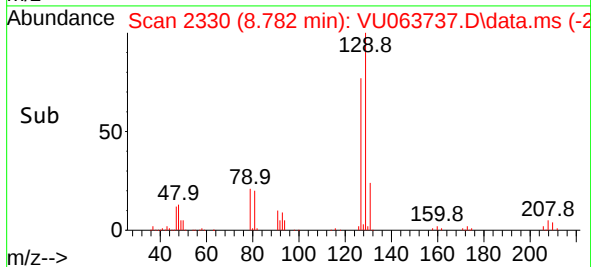
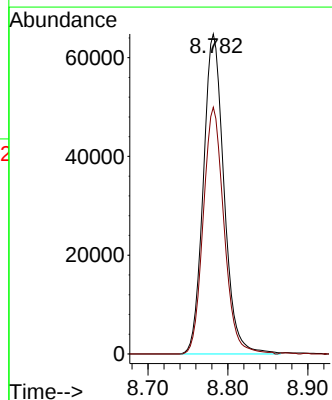
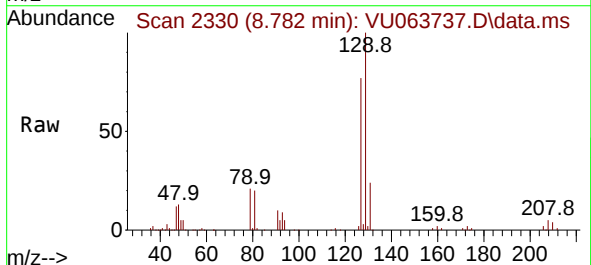
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

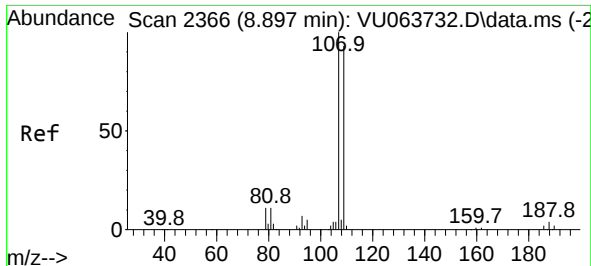
Tgt Ion: 43 Resp: 279243
Ion Ratio Lower Upper
43 100
58 57.0 44.8 67.2
57 20.4 16.6 24.8
100 13.3 11.0 16.4



#49
Dibromochloromethane
Concen: 47.362 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

Tgt Ion:129 Resp: 116628
Ion Ratio Lower Upper
129 100
127 77.1 53.4 99.2

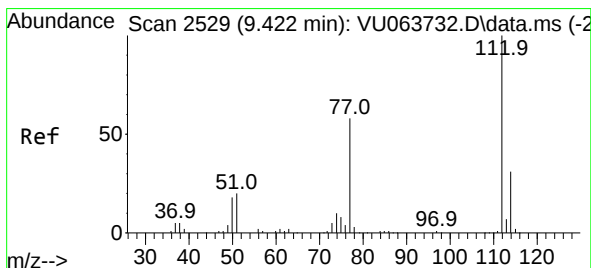
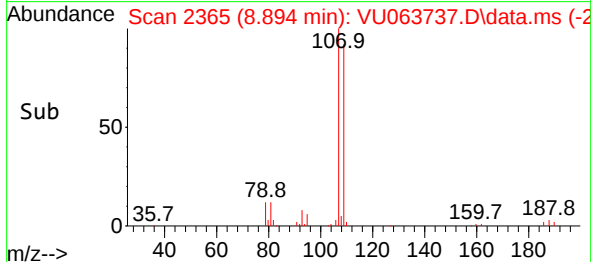
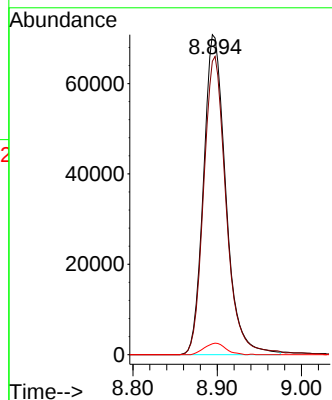
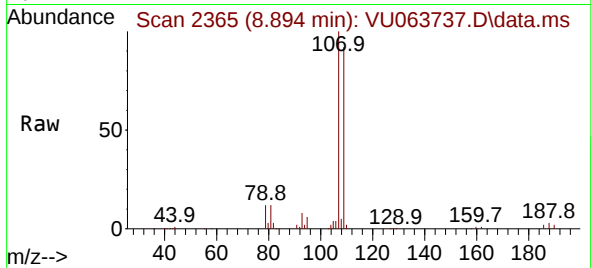




#50
 1,2-Dibromoethane
 Concen: 48.771 ug/L
 RT: 8.894 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU063737.D
 Acq: 18 Nov 2025 12:35

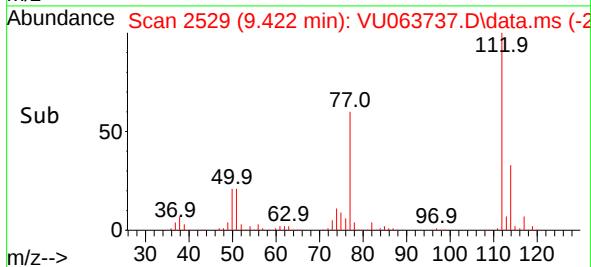
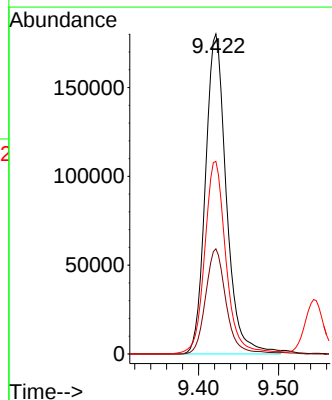
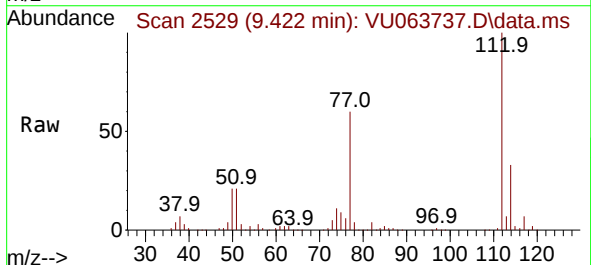
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050114

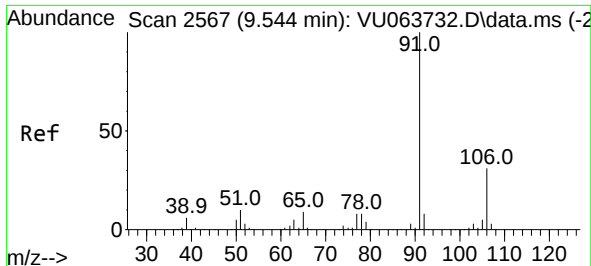
Tgt Ion:107 Resp: 130535
 Ion Ratio Lower Upper
 107 100
 109 91.7 65.8 122.2
 188 3.4 3.2 4.8



#51
 Chlorobenzene
 Concen: 47.491 ug/L
 RT: 9.422 min Scan# 2529
 Delta R.T. 0.000 min
 Lab File: VU063737.D
 Acq: 18 Nov 2025 12:35

Tgt Ion:112 Resp: 328261
 Ion Ratio Lower Upper
 112 100
 114 32.8 22.1 41.1
 77 60.2 48.0 72.0

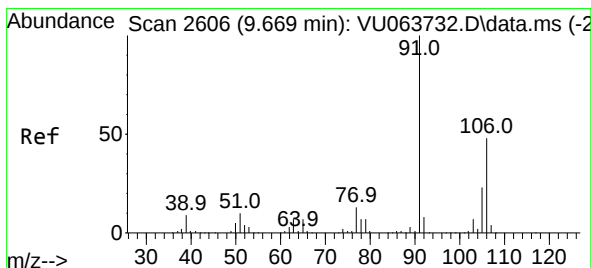
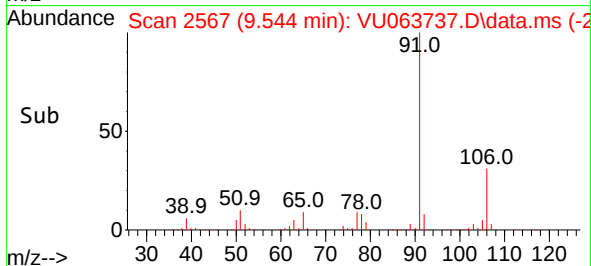
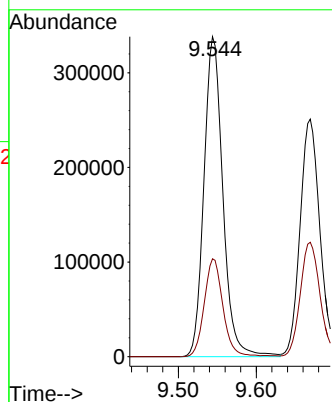
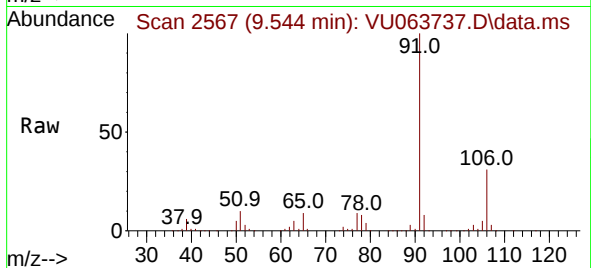




#52
Ethylbenzene
Concen: 47.945 ug/L
RT: 9.544 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

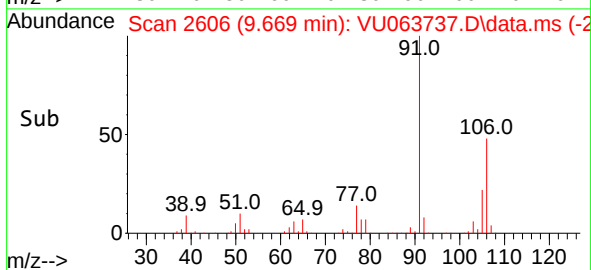
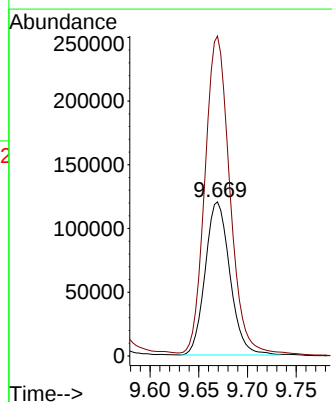
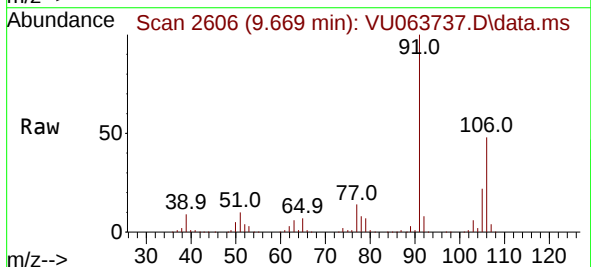
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

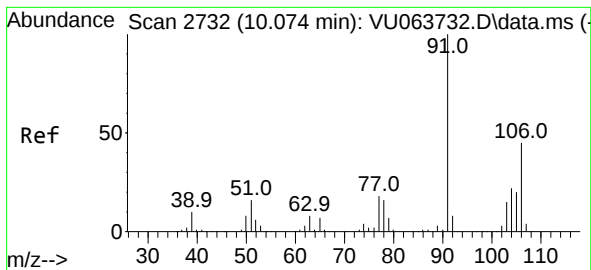
Tgt Ion: 91 Resp: 570207
Ion Ratio Lower Upper
91 100
106 30.6 21.3 39.6



#53
m,p-Xylene
Concen: 46.794 ug/L
RT: 9.669 min Scan# 2606
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

Tgt Ion:106 Resp: 212121
Ion Ratio Lower Upper
106 100
91 207.7 143.6 266.6





#54

o-Xylene

Concen: 48.830 ug/L

RT: 10.074 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

Instrument :

MSVOA_U

ClientSampleId :

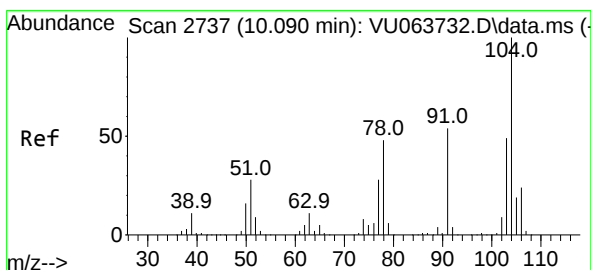
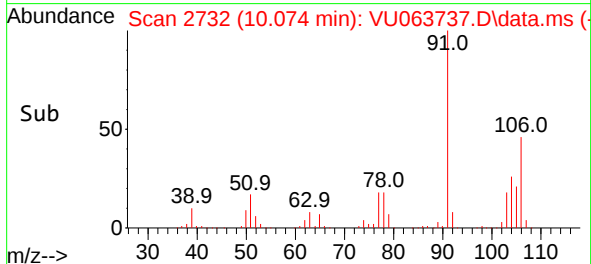
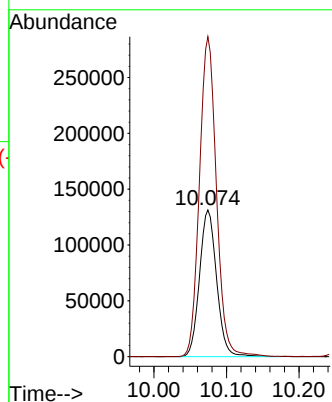
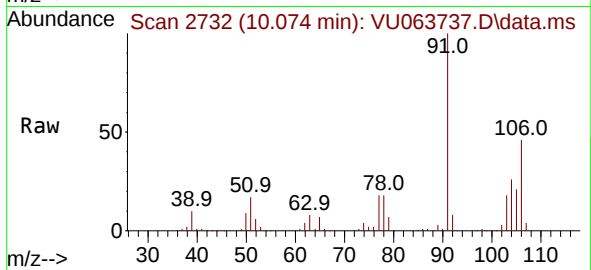
VSTD050114

Tgt Ion:106 Resp: 215558

Ion Ratio Lower Upper

106 100

91 218.0 156.0 289.6



#55

Styrene

Concen: 49.583 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU063737.D

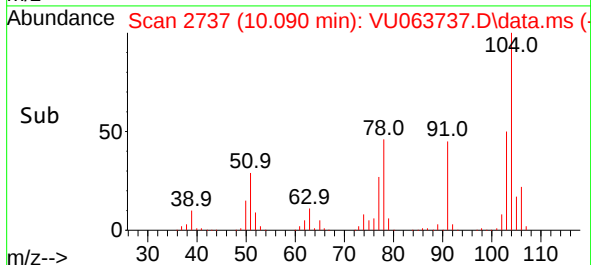
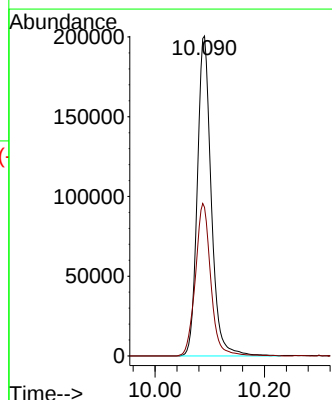
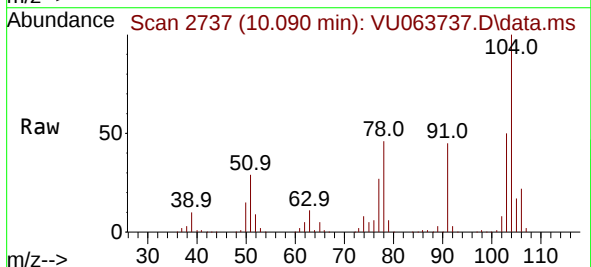
Acq: 18 Nov 2025 12:35

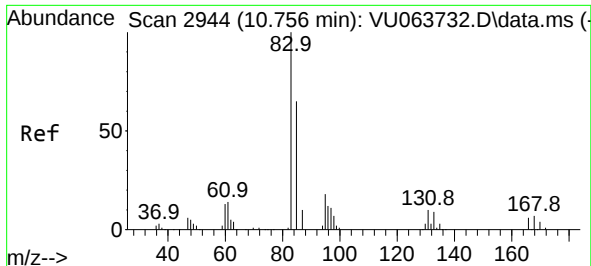
Tgt Ion:104 Resp: 354654

Ion Ratio Lower Upper

104 100

78 46.5 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 48.976 ug/L

RT: 10.753 min Scan# 2943

Delta R.T. -0.003 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050114

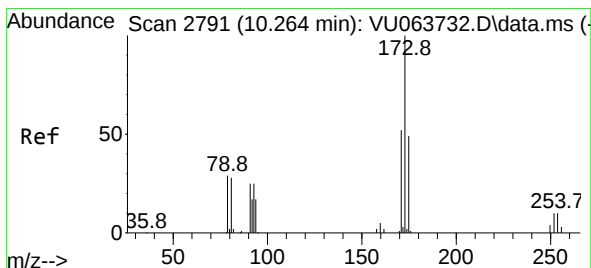
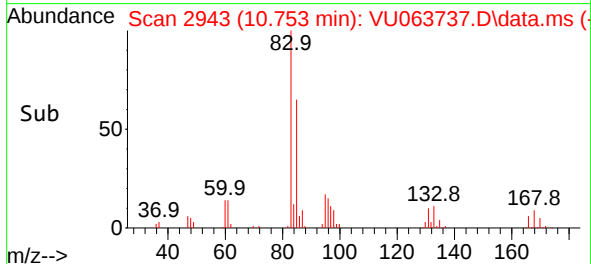
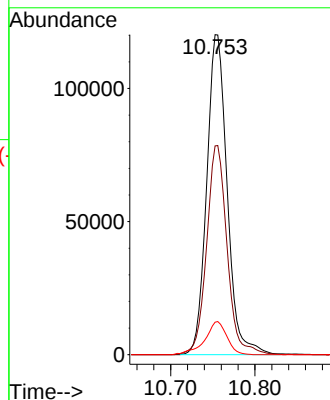
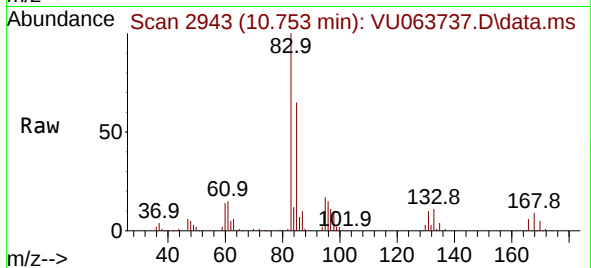
Tgt Ion: 83 Resp: 203396

Ion Ratio Lower Upper

83 100

85 65.2 45.7 84.9

131 10.2 7.4 11.2



#59

Bromoform

Concen: 44.698 ug/L

RT: 10.264 min Scan# 2791

Delta R.T. 0.000 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

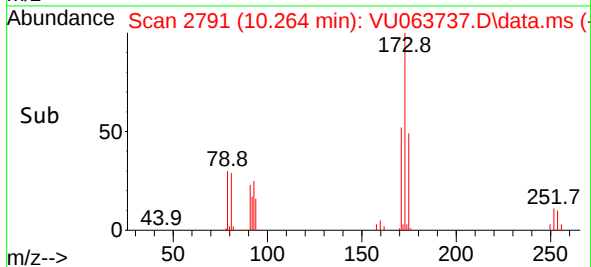
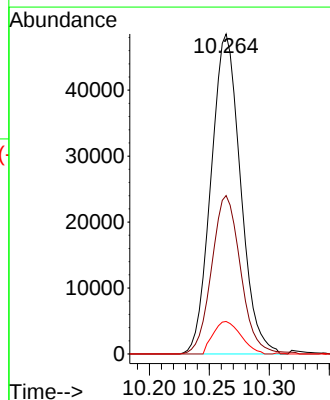
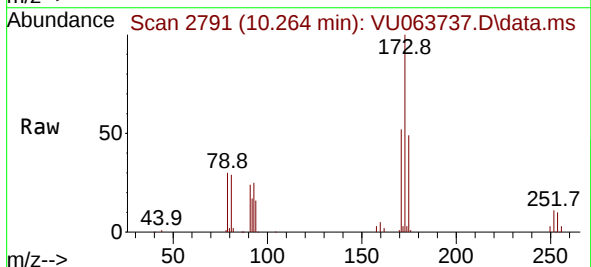
Tgt Ion:173 Resp: 82722

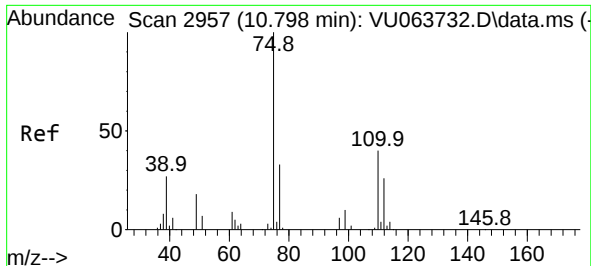
Ion Ratio Lower Upper

173 100

175 48.9 38.2 57.4

254 9.6 6.9 10.3

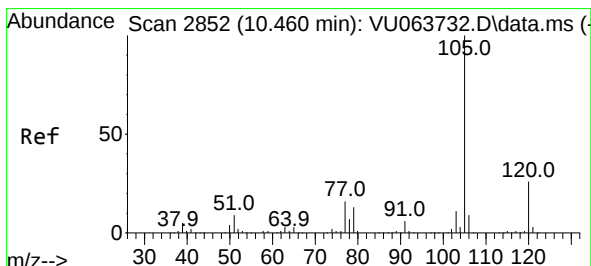
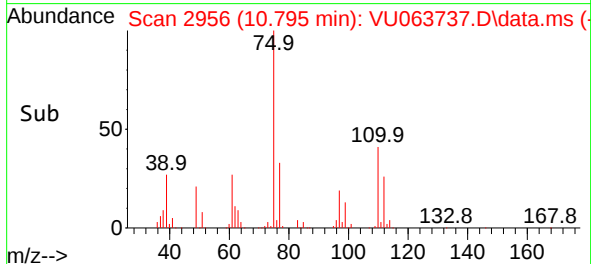
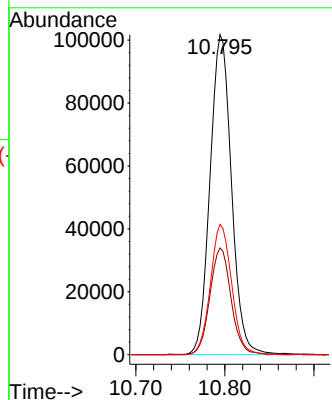
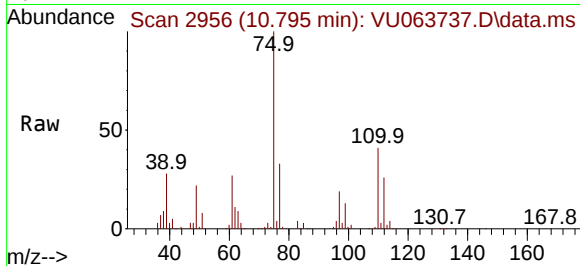




#60
1,2,3-Trichloropropane
Concen: 47.587 ug/L
RT: 10.795 min Scan# 2956
Delta R.T. -0.003 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

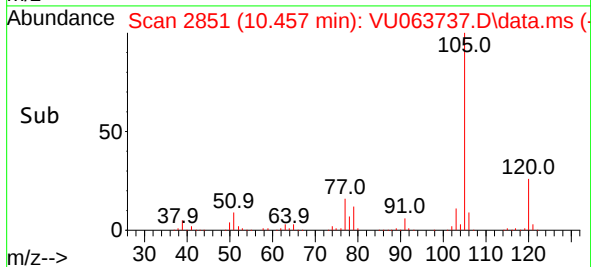
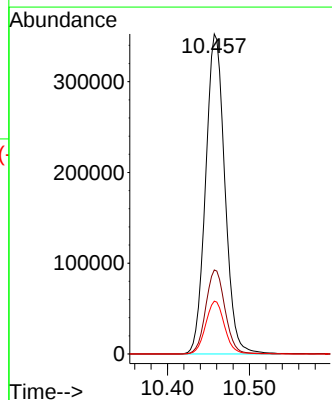
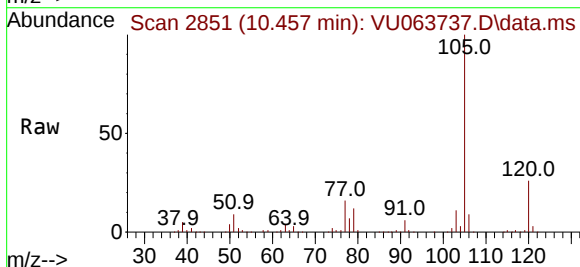
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

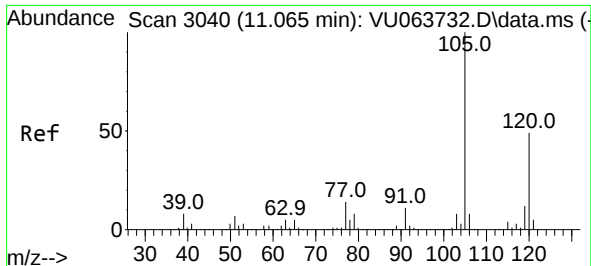
Tgt Ion: 75 Resp: 169260
Ion Ratio Lower Upper
75 100
77 33.2 26.1 39.1
110 40.4 32.3 48.5



#61
Isopropylbenzene
Concen: 46.702 ug/L
RT: 10.457 min Scan# 2851
Delta R.T. -0.003 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

Tgt Ion: 105 Resp: 574156
Ion Ratio Lower Upper
105 100
120 26.4 20.7 31.1
77 16.2 12.9 19.3





#62

1,3,5-Trimethylbenzene

Concen: 46.967 ug/L

RT: 11.061 min Scan# 3040

Delta R.T. -0.003 min

Lab File: VU063737.D

Acq: 18 Nov 2025 12:35

Instrument :

MSVOA_U

ClientSampleId :

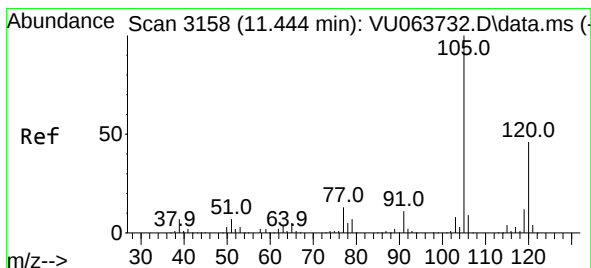
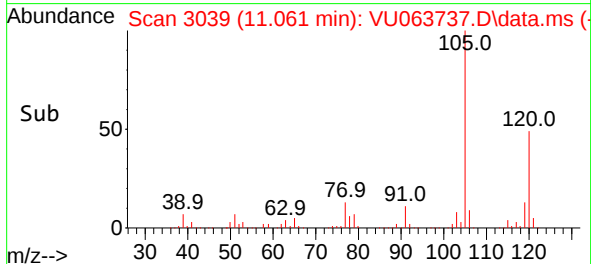
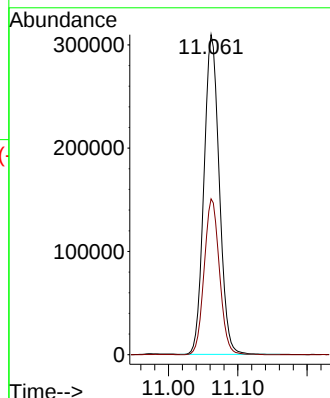
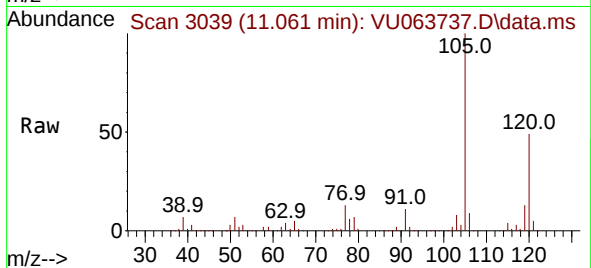
VSTD050114

Tgt Ion:105 Resp: 474965

Ion Ratio Lower Upper

105 100

120 48.5 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 47.386 ug/L

RT: 11.441 min Scan# 3157

Delta R.T. -0.003 min

Lab File: VU063737.D

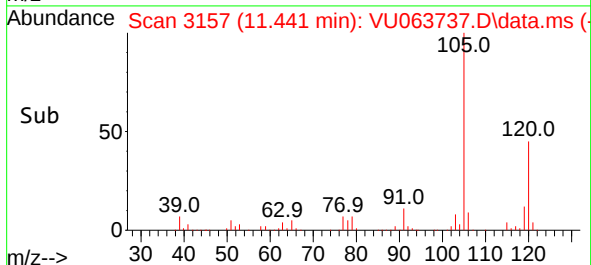
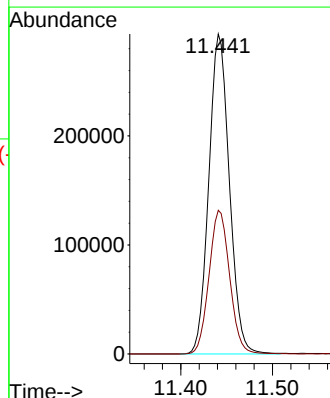
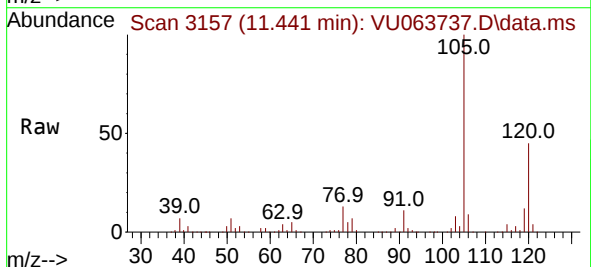
Acq: 18 Nov 2025 12:35

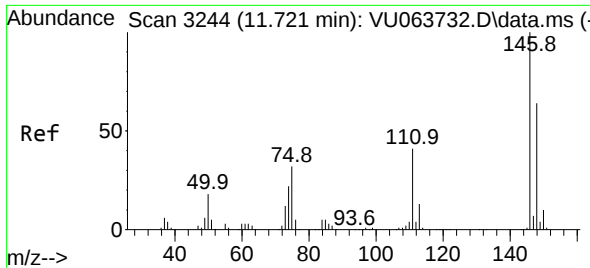
Tgt Ion:105 Resp: 457417

Ion Ratio Lower Upper

105 100

120 45.0 35.6 53.4

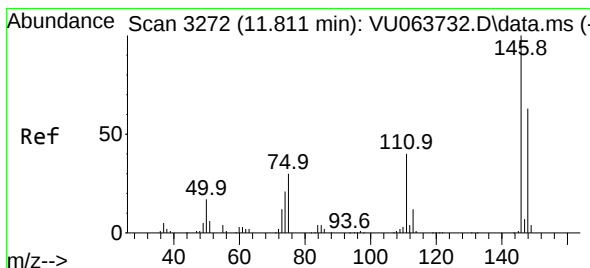
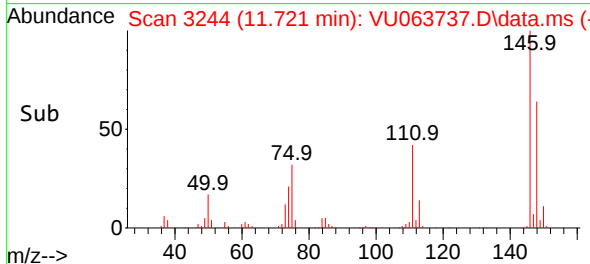
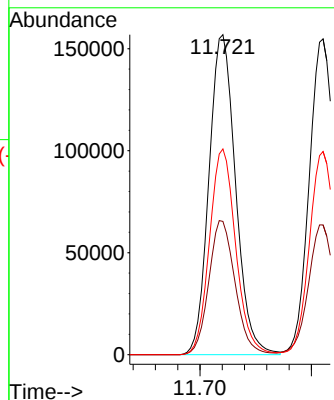
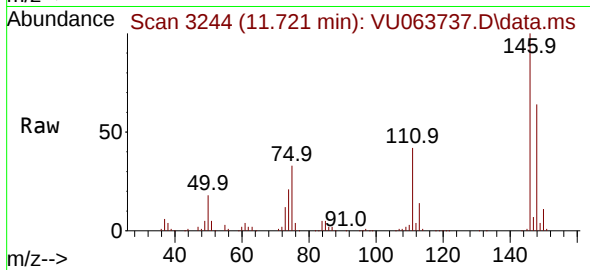




#64
1,3-Dichlorobenzene
Concen: 47.250 ug/L
RT: 11.721 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

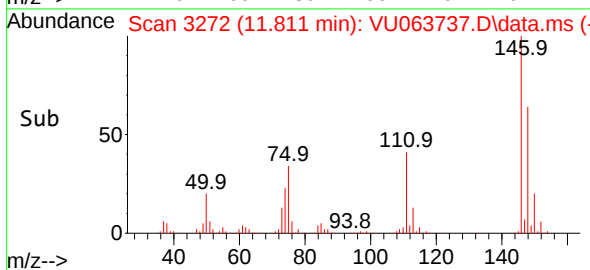
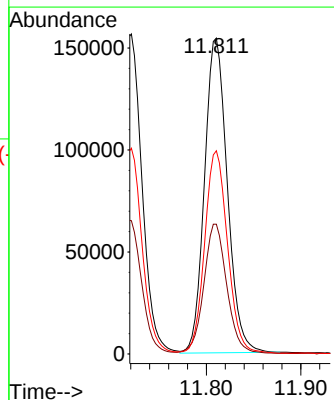
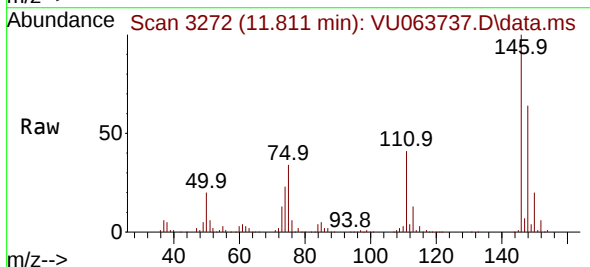
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

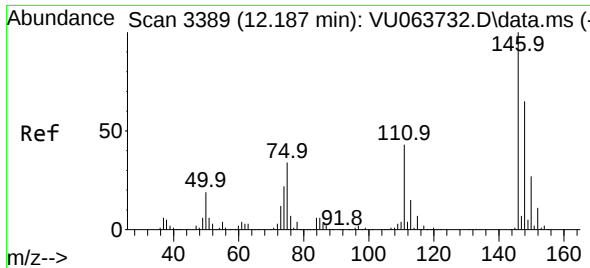
Tgt Ion:146 Resp: 260419
Ion Ratio Lower Upper
146 100
111 41.7 29.8 55.3
148 64.3 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 45.837 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

Tgt Ion:146 Resp: 258758
Ion Ratio Lower Upper
146 100
111 41.1 28.8 53.4
148 64.3 44.9 83.3

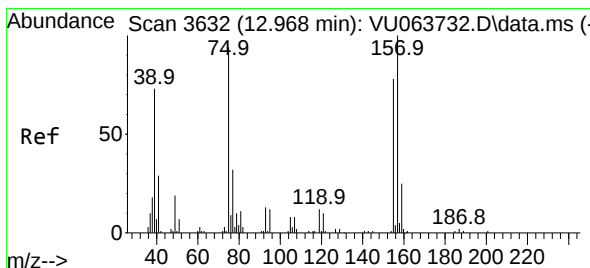
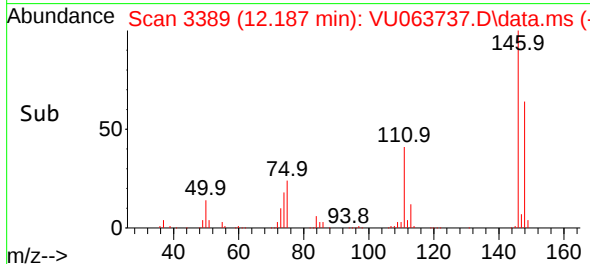
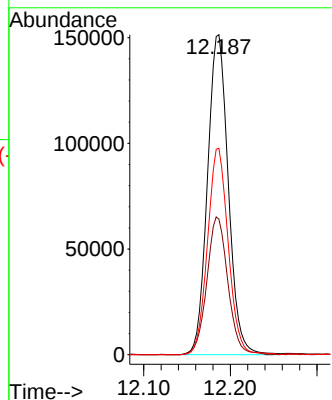
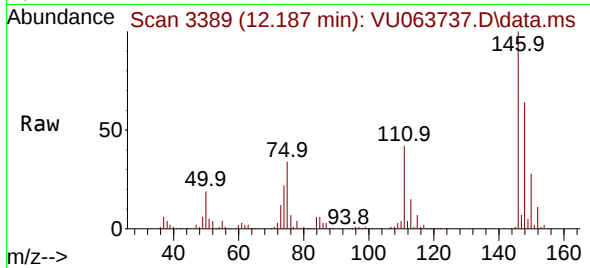




#67
1,2-Dichlorobenzene
Concen: 47.340 ug/L
RT: 12.187 min Scan# 3389
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

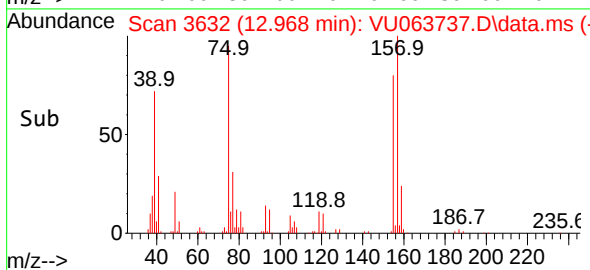
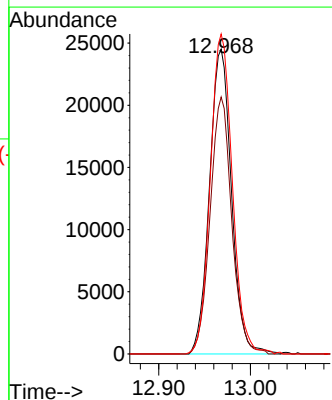
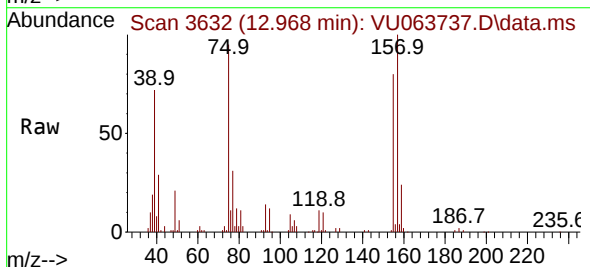
Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

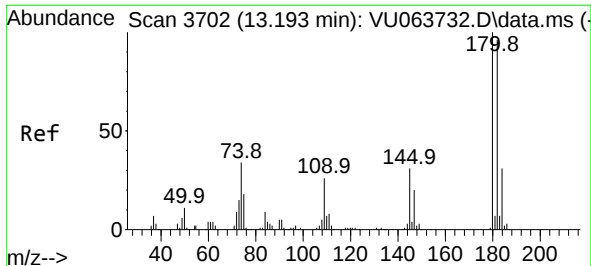
Tgt Ion:146 Resp: 252959
Ion Ratio Lower Upper
146 100
111 42.3 34.2 51.4
148 64.5 49.6 74.4



#68
1,2-Dibromo-3-chloropropane
Concen: 46.504 ug/L
RT: 12.968 min Scan# 3632
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

Tgt Ion: 75 Resp: 40844
Ion Ratio Lower Upper
75 100
155 88.4 64.6 97.0
157 109.4 78.8 118.2

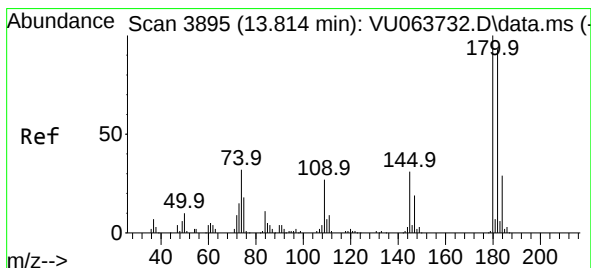
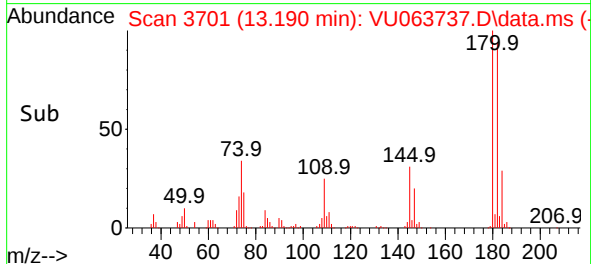
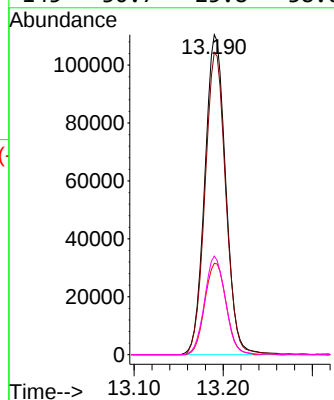
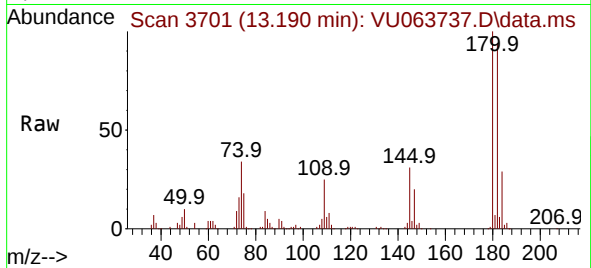




#69
 1,3,5-Trichlorobenzene
 Concen: 48.241 ug/L
 RT: 13.190 min Scan# 3701
 Delta R.T. -0.003 min
 Lab File: VU063737.D
 Acq: 18 Nov 2025 12:35

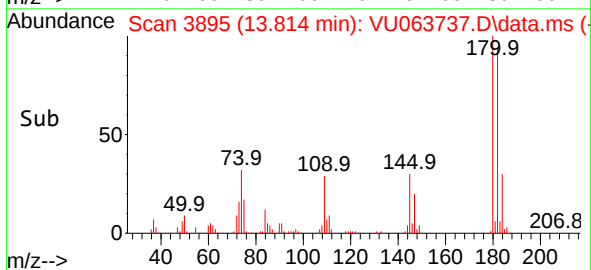
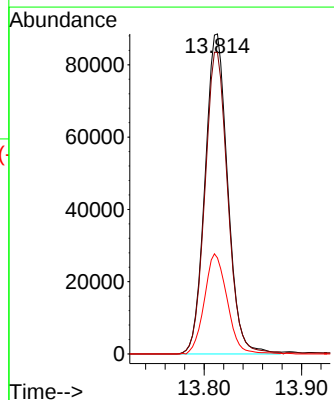
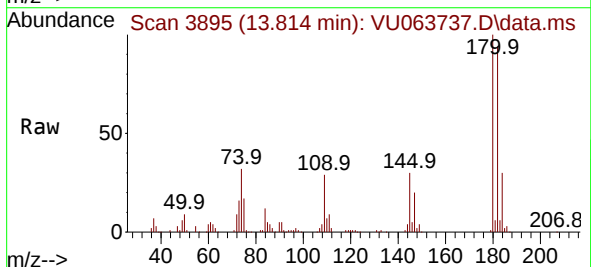
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050114

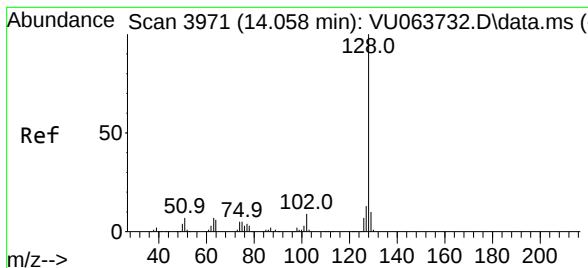
Tgt Ion:180	Resp:	179702
Ion Ratio	Lower	Upper
180	100	
182	93.9	76.4 114.6
184	29.3	24.4 36.6
145	30.7	25.8 38.6



#70
 1,2,4-trichlorobenzene
 Concen: 46.229 ug/L
 RT: 13.814 min Scan# 3895
 Delta R.T. 0.000 min
 Lab File: VU063737.D
 Acq: 18 Nov 2025 12:35

Tgt Ion:180	Resp:	143597
Ion Ratio	Lower	Upper
180	100	
182	94.6	75.8 113.8
145	31.3	25.7 38.5

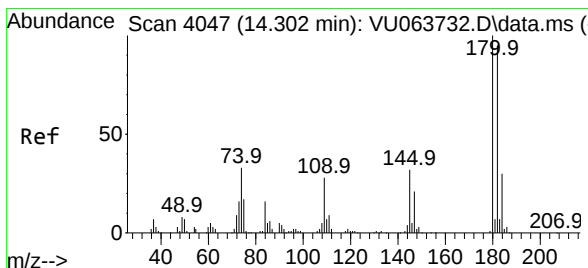
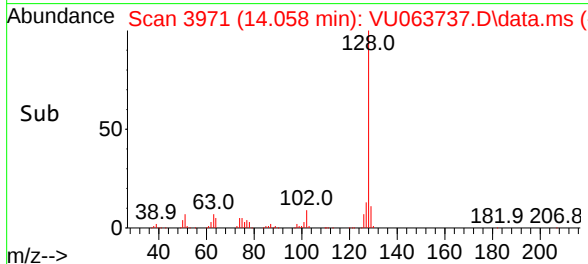
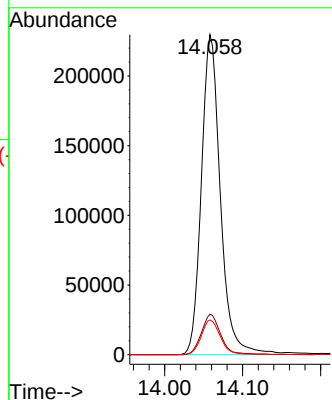
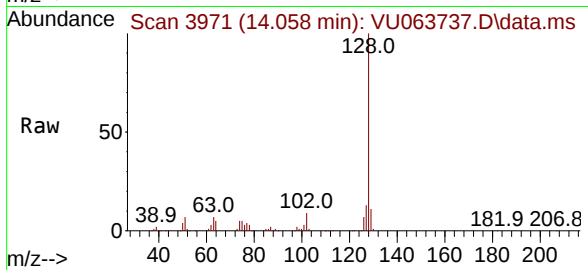




#71
Naphthalene
Concen: 46.958 ug/L
RT: 14.058 min Scan# 3971
Delta R.T. 0.000 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD050114

Tgt Ion:128 Resp: 388173
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 45.666 ug/L
RT: 14.299 min Scan# 4046
Delta R.T. -0.003 min
Lab File: VU063737.D
Acq: 18 Nov 2025 12:35

Tgt Ion:180 Resp: 134444
Ion Ratio Lower Upper
180 100
182 96.2 76.9 115.3
145 33.6 26.6 39.8

