

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
 Data File : VU063721.D
 Acq On : 17 Nov 2025 11:43
 Operator : MD/SY
 Sample : VSTD01046
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010046

Quant Time: Nov 18 01:27:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:25:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	328405	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	321782	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	162988	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	29106	12.469	ug/L	0.00
7) Chloroethane-d5	1.895	69	23129	11.985	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.544	63	50483	12.272	ug/L	0.00
21) 2-Butanone-d5	4.740	46	530	0.345	ug/L	0.15
24) Chloroform-d	5.033	84	47211	11.071	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.676	65	32548	11.794	ug/L	0.00
32) Benzene-d6	5.698	84	94897	11.838	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.663	67	28138	11.034	ug/L	0.00
41) Toluene-d8	7.872	98	91517	12.135	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.158	79	10563	10.989	ug/L	0.00
47) 2-Hexanone-d5	8.618	63	17720	18.682	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.730	84	39689	10.178	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.171	152	31071	11.096	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	19310	10.795	ug/L	98
3) Chloromethane	1.509	50	22754	10.213	ug/L	100
5) Vinyl chloride	1.589	62	25980	9.743	ug/L	99
6) Bromomethane	1.840	94	15931	9.488	ug/L	98
8) Chloroethane	1.917	64	16478	9.142	ug/L	93
9) Trichlorofluoromethane	2.120	101	40129	10.218	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	24490	11.128	ug/L	96
12) 1,1-Dichloroethene	2.557	96	21942	11.155	ug/L	92
13) Acetone	2.605	43	45662	23.888	ug/L	100
14) Carbon disulfide	2.769	76	54952	10.771	ug/L	98
15) Methyl Acetate	2.930	43	25484	9.495	ug/L	96
16) Methylene chloride	3.017	84	24517	9.986	ug/L	96
17) trans-1,2-Dichloroethene	3.329	96	22194	10.441	ug/L	96
18) Methyl tert-butyl Ether	3.338	73	76588	11.061	ug/L	96
19) 1,1-Dichloroethane	3.837	63	44498	10.501	ug/L	99
20) cis-1,2-Dichloroethene	4.640	96	26311	10.628	ug/L	95
22) 2-Butanone	4.689	43	38156	17.712	ug/L	95
23) Bromochloromethane	4.946	128	13068	10.133	ug/L	96
25) Chloroform	5.055	83	47939	10.580	ug/L	98
27) 1,2-Dichloroethane	5.769	62	38491	10.384	ug/L	99
29) Cyclohexane	5.354	56	40326	10.591	ug/L	97
30) 1,1,1-Trichloroethane	5.287	97	39572	10.944	ug/L	99
31) Carbon tetrachloride	5.492	117	29800	10.347	ug/L	94
33) Benzene	5.746	78	96290	10.315	ug/L	100
34) Trichloroethene	6.518	95	28351	10.662	ug/L	98
35) Methylcyclohexane	6.737	83	41970	11.034	ug/L	99
37) 1,2-Dichloropropane	6.766	63	24426	9.459	ug/L #	93
38) Bromodichloromethane	7.078	83	33582	10.738	ug/L	93
39) cis-1,3-Dichloropropene	7.582	75	36028	10.610	ug/L	97
40) 4-Methyl-2-pentanone	7.769	43	70394	18.967	ug/L	99
42) Toluene	7.946	91	107925	10.465	ug/L	100
44) trans-1,3-Dichloropropene	8.187	75	30176	10.244	ug/L	99

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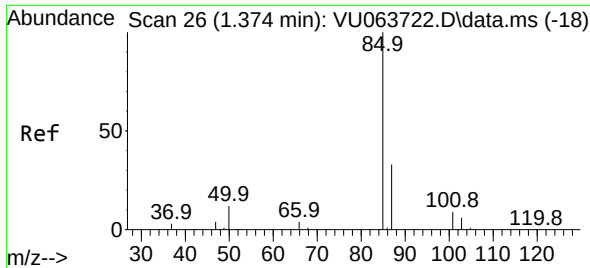
Quant Time: Nov 18 01:27:03 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.373	97	26549	10.505	ug/L	99
46) Tetrachloroethene	8.524	164	21878	11.256	ug/L	93
48) 2-Hexanone	8.669	43	53037	18.615	ug/L	95
49) Dibromochloromethane	8.782	129	24409	10.628	ug/L	98
50) 1,2-Dibromoethane	8.897	107	26999	10.283	ug/L	96
51) Chlorobenzene	9.422	112	72750	10.620	ug/L	97
52) Ethylbenzene	9.547	91	122643	10.676	ug/L	97
53) m,p-Xylene	9.669	106	46215	10.695	ug/L	98
54) o-Xylene	10.077	106	45102	10.601	ug/L	95
55) Styrene	10.094	104	71403	10.242	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.756	83	43410	10.227	ug/L	99
59) Bromoform	10.264	173	16799	10.290	ug/L	97
60) 1,2,3-Trichloropropane	10.798	75	36279	10.609	ug/L	96
61) Isopropylbenzene	10.460	105	123547	10.979	ug/L	99
62) 1,3,5-Trimethylbenzene	11.065	105	99977	10.828	ug/L	97
63) 1,2,4-Trimethylbenzene	11.444	105	92420	10.356	ug/L	99
64) 1,3-Dichlorobenzene	11.724	146	55308	10.819	ug/L	97
65) 1,4-Dichlorobenzene	11.811	146	58362	11.311	ug/L	98
67) 1,2-Dichlorobenzene	12.190	146	53734	10.736	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.968	75	8089	10.254	ug/L	95
69) 1,3,5-Trichlorobenzene	13.193	180	36328	10.184	ug/L	99
70) 1,2,4-trichlorobenzene	13.814	180	29188	9.932	ug/L	98
71) Naphthalene	14.061	128	75167	9.411	ug/L	99
72) 1,2,3-Trichlorobenzene	14.302	180	26864	9.538	ug/L	99

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

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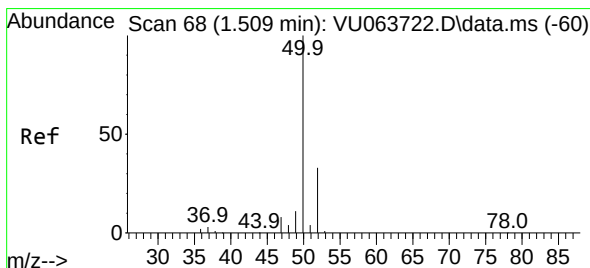
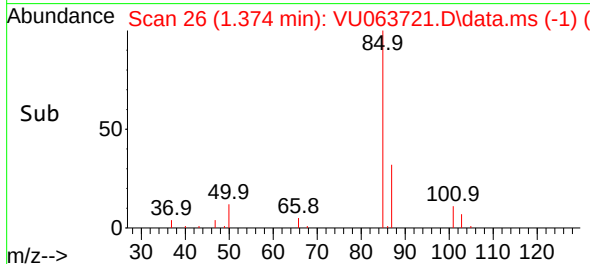
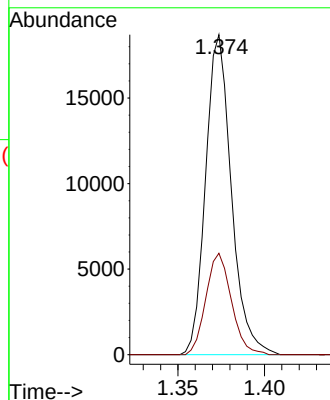
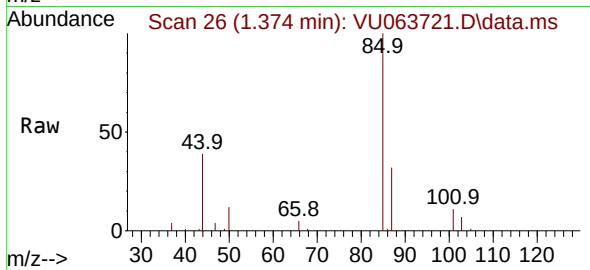




#2
Dichlorodifluoromethane
Concen: 10.795 ug/L
RT: 1.374 min Scan# 26
Delta R.T. 0.000 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

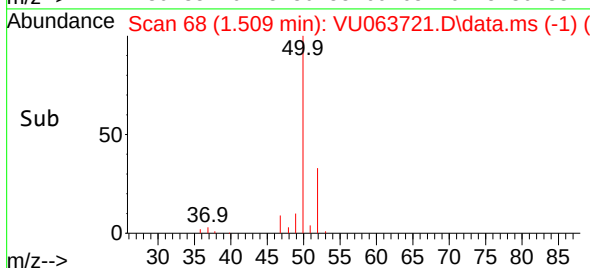
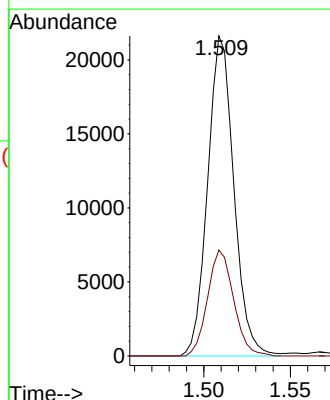
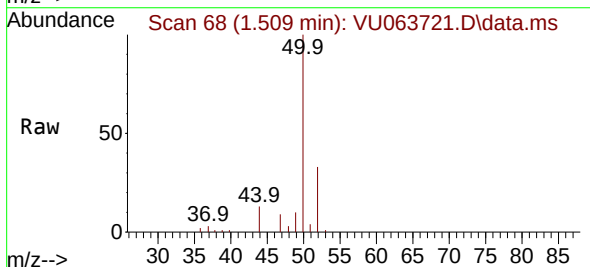
Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

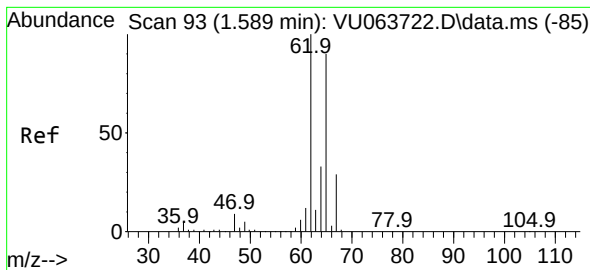
Tgt Ion: 85 Resp: 19310
Ion Ratio Lower Upper
85 100
87 31.4 26.2 39.2



#3
Chloromethane
Concen: 10.213 ug/L
RT: 1.509 min Scan# 68
Delta R.T. 0.000 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

Tgt Ion: 50 Resp: 22754
Ion Ratio Lower Upper
50 100
52 33.1 23.2 43.2

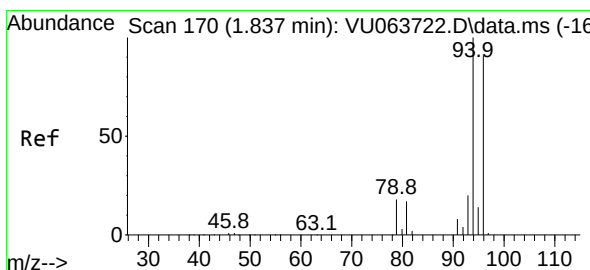
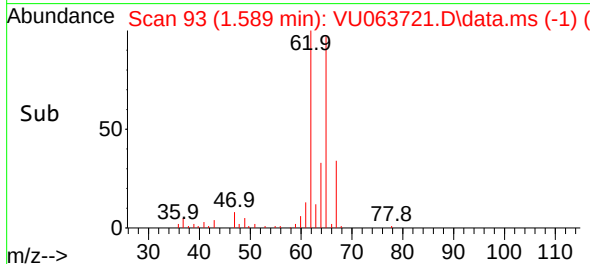
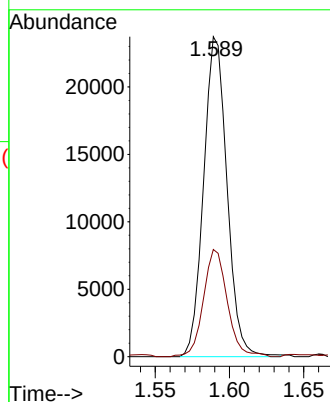
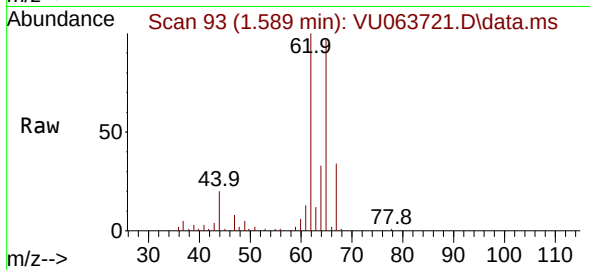




#5
 Vinyl chloride
 Concen: 9.743 ug/L
 RT: 1.589 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU063721.D
 Acq: 17 Nov 2025 11:43

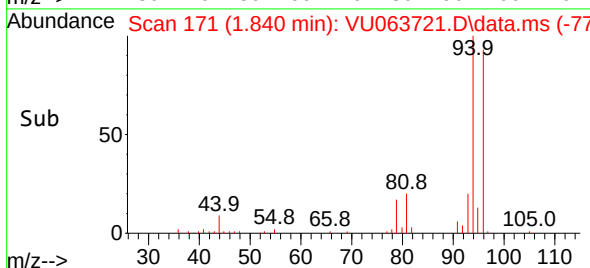
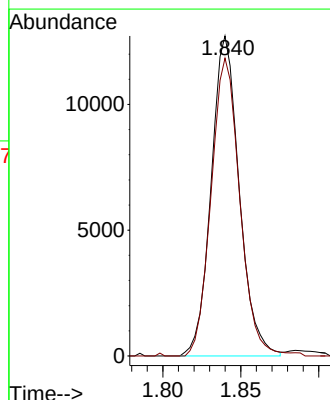
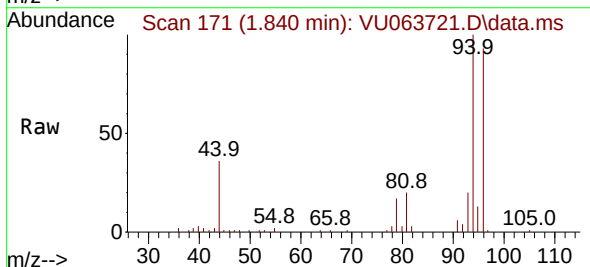
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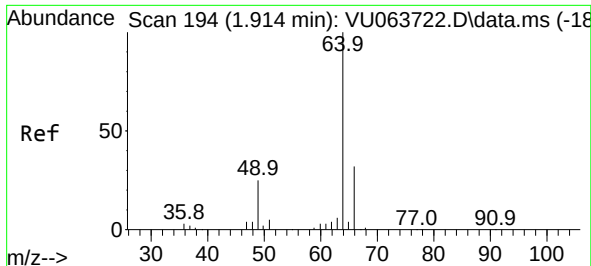
Tgt Ion: 62 Resp: 25980
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.2 43.2



#6
 Bromomethane
 Concen: 9.488 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. 0.003 min
 Lab File: VU063721.D
 Acq: 17 Nov 2025 11:43

Tgt Ion: 94 Resp: 15931
 Ion Ratio Lower Upper
 94 100
 96 93.0 63.8 118.4

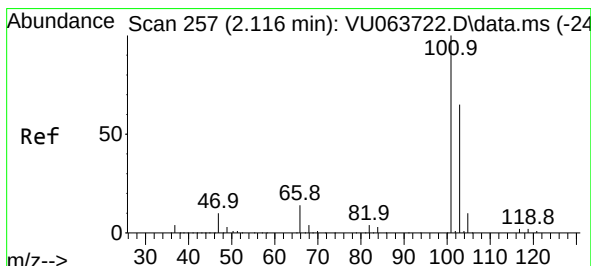
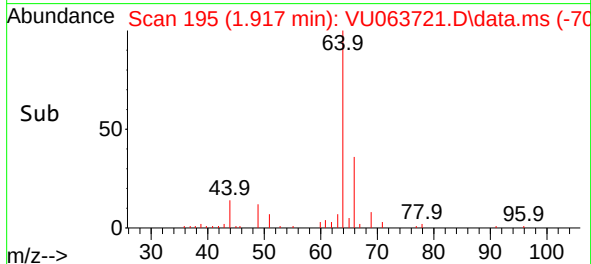
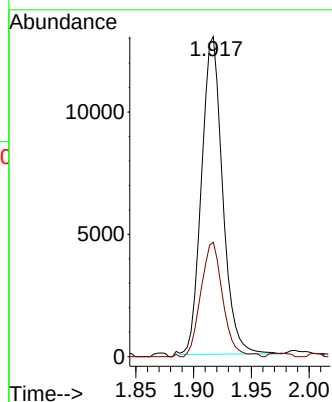
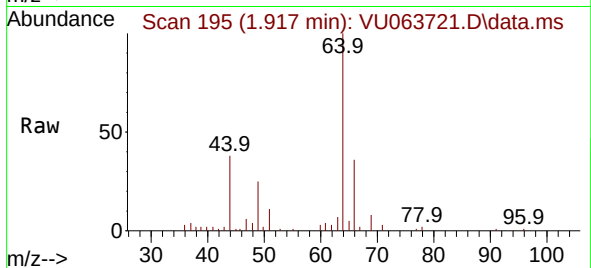




#8
Chloroethane
Concen: 9.142 ug/L
RT: 1.917 min Scan# 194
Delta R.T. 0.003 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

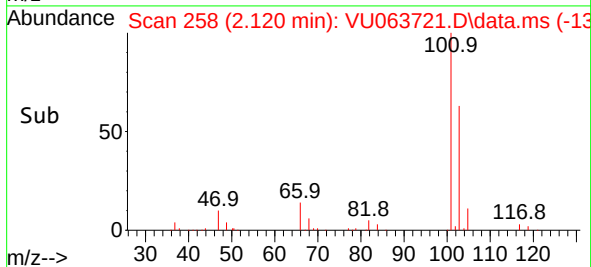
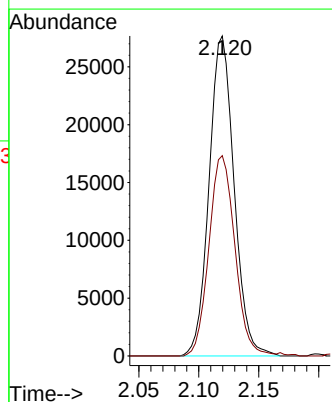
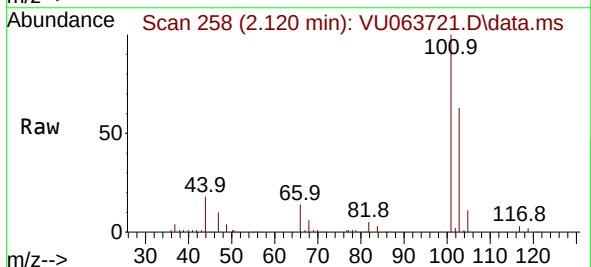
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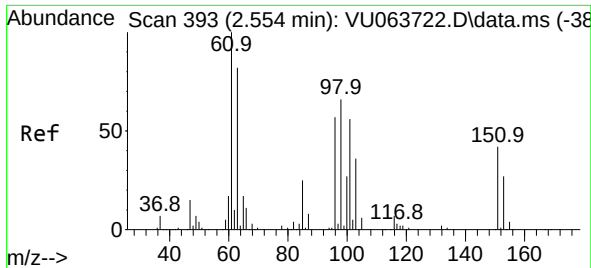
Tgt Ion: 64 Resp: 16478
Ion Ratio Lower Upper
64 100
66 35.8 22.4 41.6



#9
Trichlorofluoromethane
Concen: 10.218 ug/L
RT: 2.120 min Scan# 258
Delta R.T. 0.003 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

Tgt Ion:101 Resp: 40129
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0

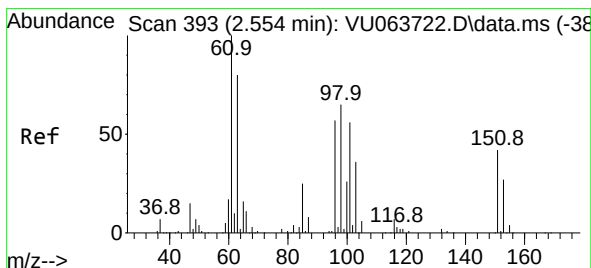
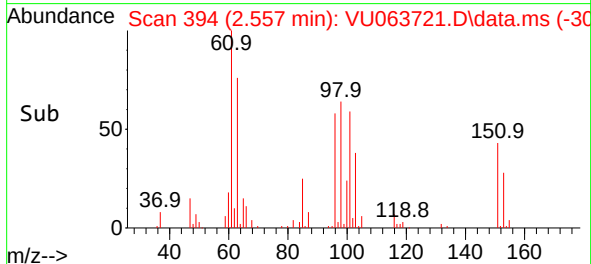
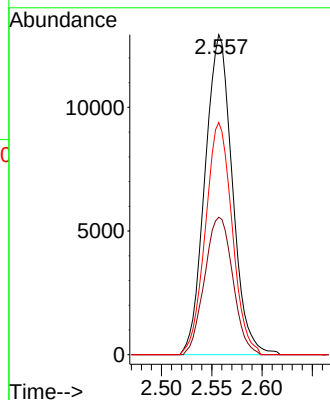
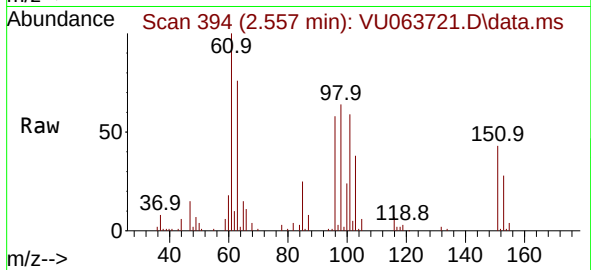




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 11.128 ug/L
RT: 2.557 min Scan# 394
Delta R.T. 0.003 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

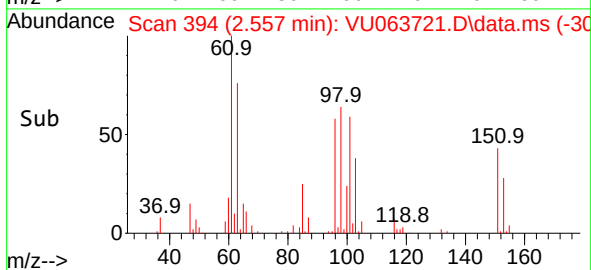
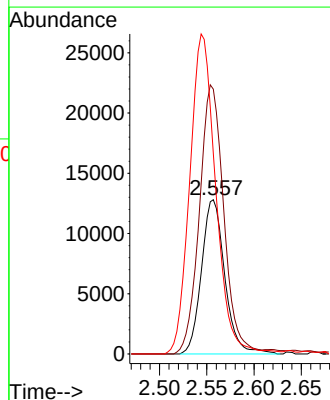
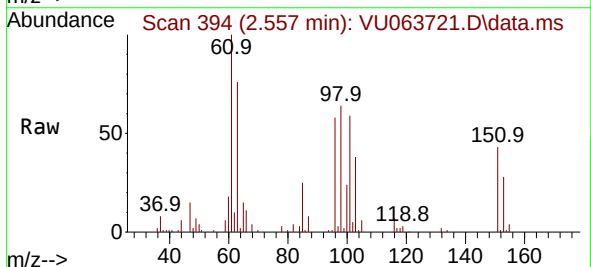
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ClientSampleId :
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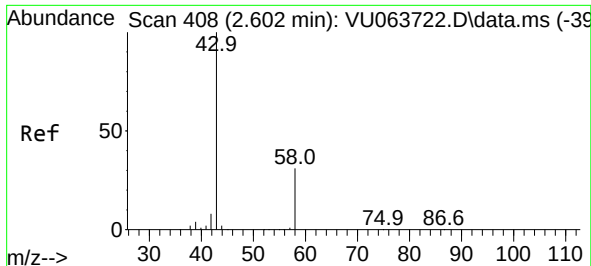
Tgt Ion:101 Resp: 24490
Ion Ratio Lower Upper
101 100
85 44.2 36.3 54.5
151 70.9 60.1 90.1



#12
1,1-Dichloroethene
Concen: 11.155 ug/L
RT: 2.557 min Scan# 394
Delta R.T. 0.003 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

Tgt Ion: 96 Resp: 21942
Ion Ratio Lower Upper
96 100
61 171.8 123.3 228.9
63 130.0 103.3 191.8





#13

Acetone

Concen: 23.888 ug/L

RT: 2.605 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

Instrument :

MSVOA_U

ClientSampleId :

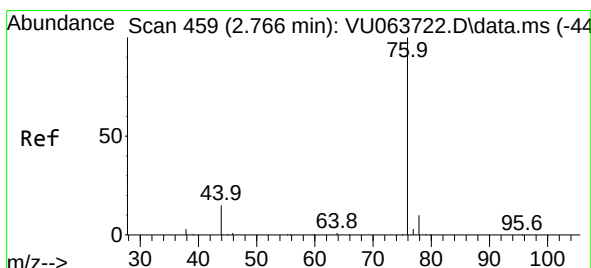
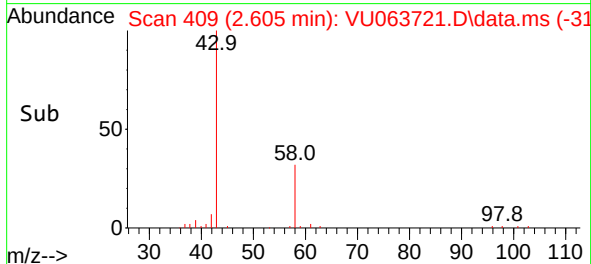
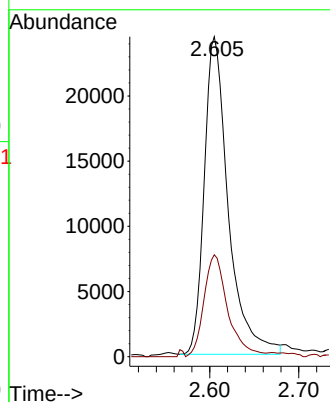
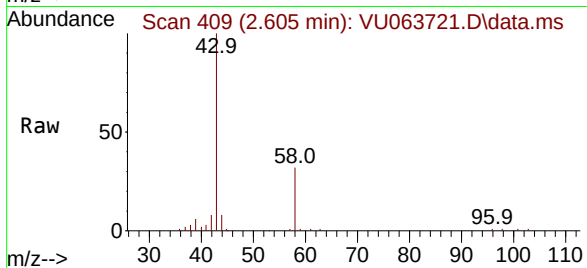
VSTD010046

Tgt Ion: 43 Resp: 45662

Ion Ratio Lower Upper

43 100

58 31.8 0.0 63.4



#14

Carbon disulfide

Concen: 10.771 ug/L

RT: 2.769 min Scan# 460

Delta R.T. 0.003 min

Lab File: VU063721.D

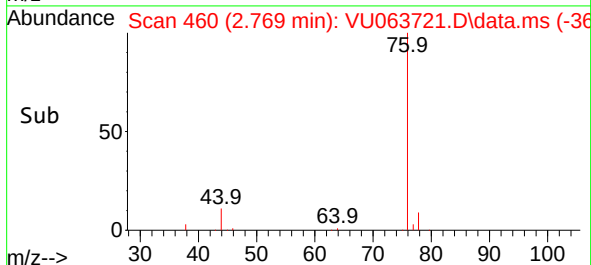
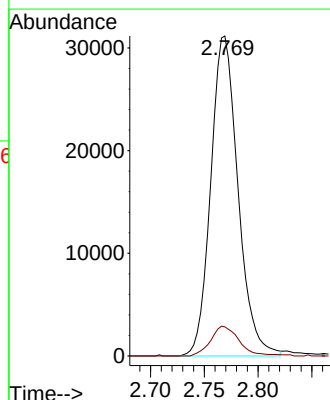
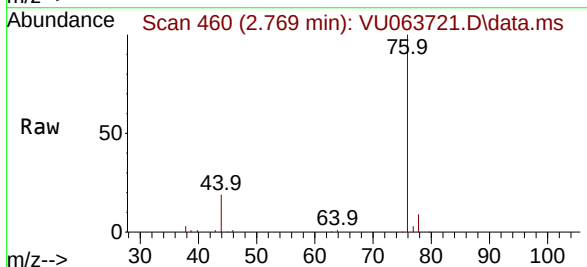
Acq: 17 Nov 2025 11:43

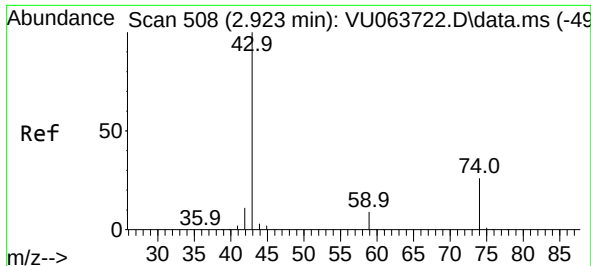
Tgt Ion: 76 Resp: 54952

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.6

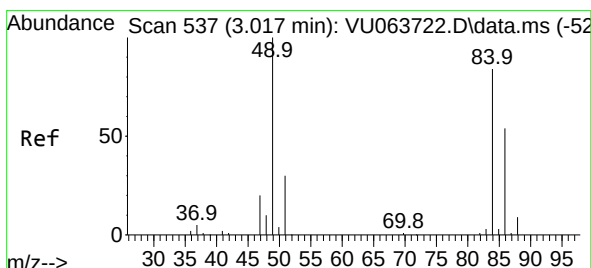
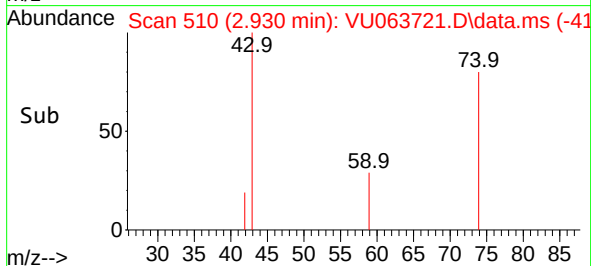
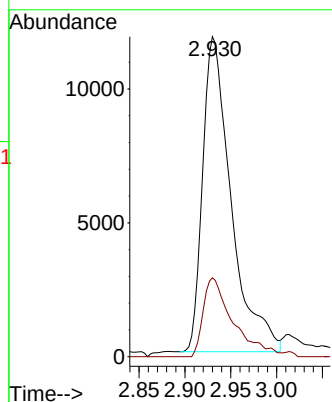
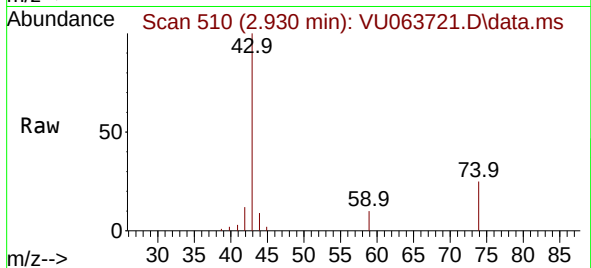




#15
Methyl Acetate
Concen: 9.495 ug/L
RT: 2.930 min Scan# 510
Delta R.T. 0.006 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

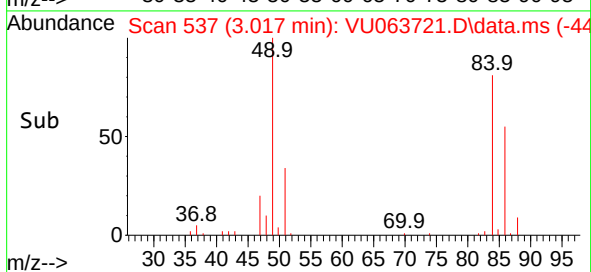
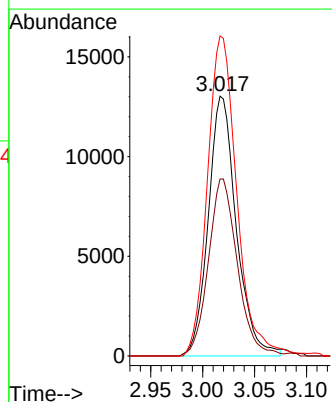
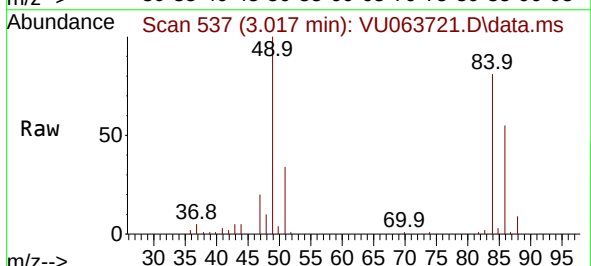
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MSVOA_U
ClientSampleId :
VSTD010046

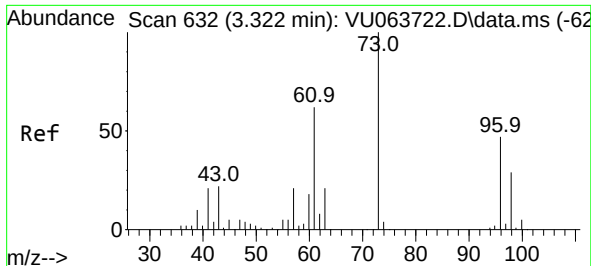
Tgt Ion: 43 Resp: 25484
Ion Ratio Lower Upper
43 100
74 23.8 20.5 30.7



#16
Methylene chloride
Concen: 9.986 ug/L
RT: 3.017 min Scan# 537
Delta R.T. 0.000 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

Tgt Ion: 84 Resp: 24517
Ion Ratio Lower Upper
84 100
86 68.1 45.2 84.0
49 123.2 83.6 155.2

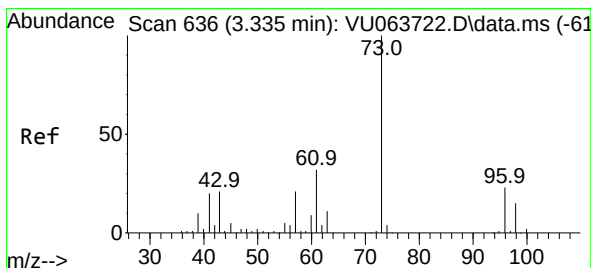
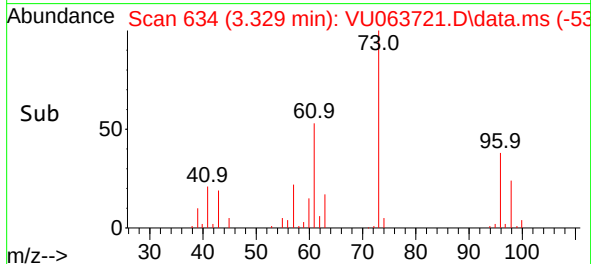
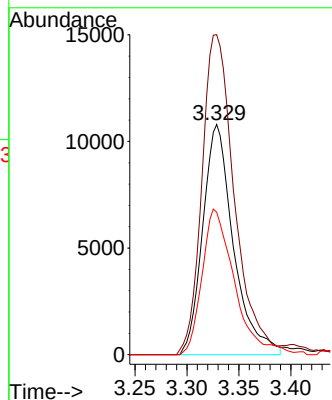
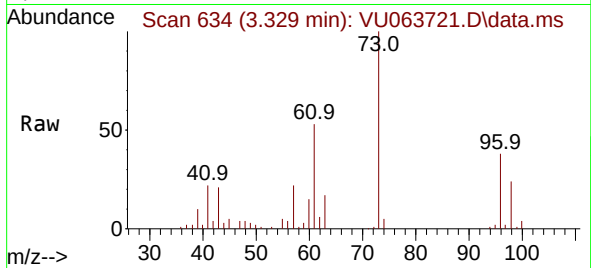




#17
trans-1,2-Dichloroethene
Concen: 10.441 ug/L
RT: 3.329 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

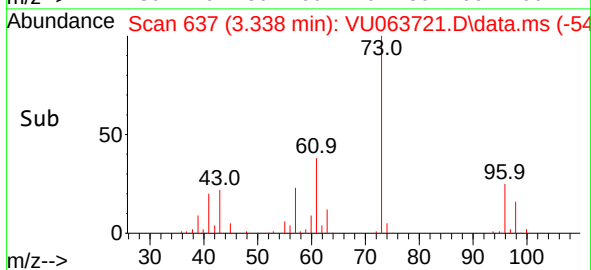
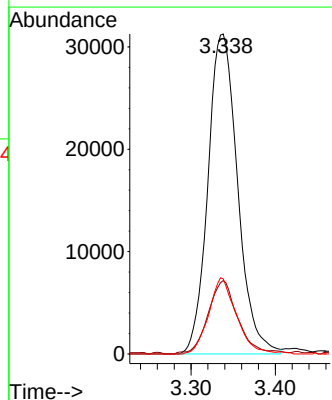
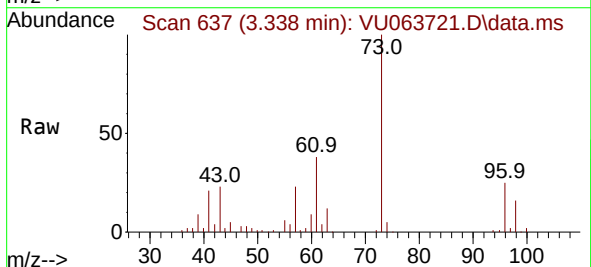
Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

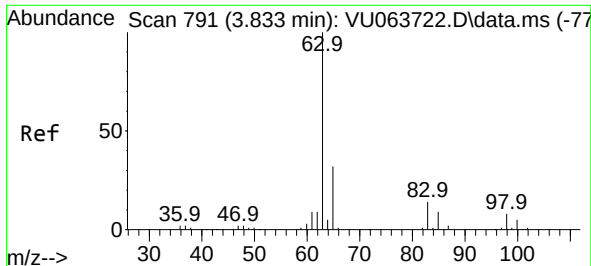
Tgt Ion: 96 Resp: 22194
Ion Ratio Lower Upper
96 100
61 139.0 92.7 172.1
98 61.9 43.2 80.2



#18
Methyl tert-butyl Ether
Concen: 11.061 ug/L
RT: 3.338 min Scan# 637
Delta R.T. 0.003 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

Tgt Ion: 73 Resp: 76588
Ion Ratio Lower Upper
73 100
43 22.4 16.6 24.8
57 22.1 16.3 24.5





#19

1,1-Dichloroethane

Concen: 10.501 ug/L

RT: 3.837 min Scan# 791

Delta R.T. 0.003 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD010046

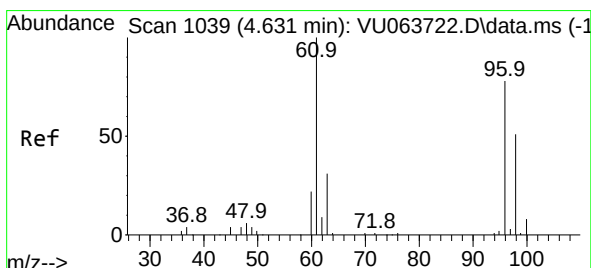
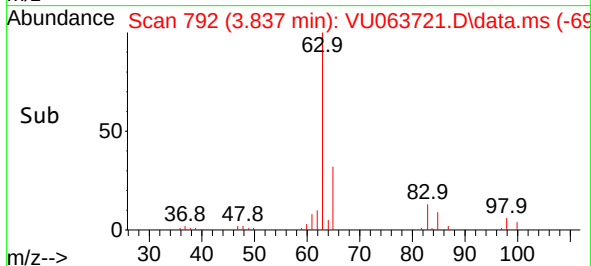
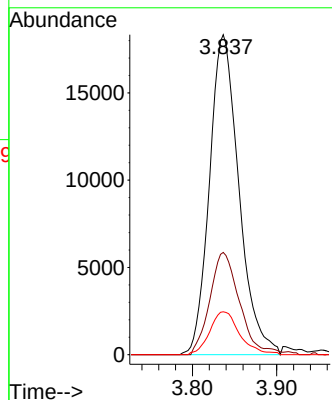
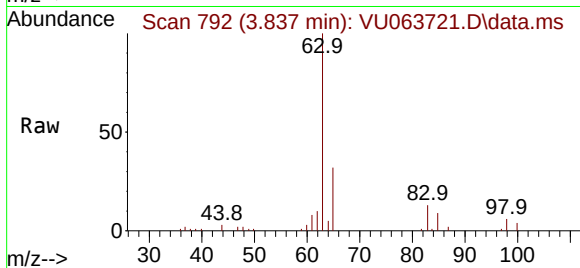
Tgt Ion: 63 Resp: 44498

Ion Ratio Lower Upper

63 100

65 32.0 22.0 41.0

83 14.2 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 10.628 ug/L

RT: 4.640 min Scan# 1042

Delta R.T. 0.010 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

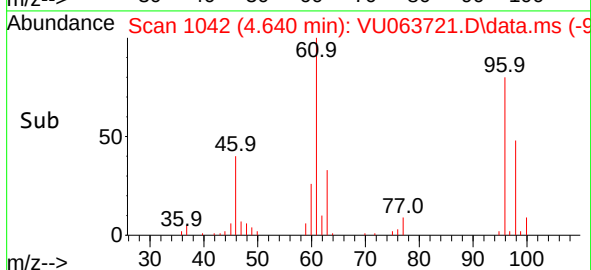
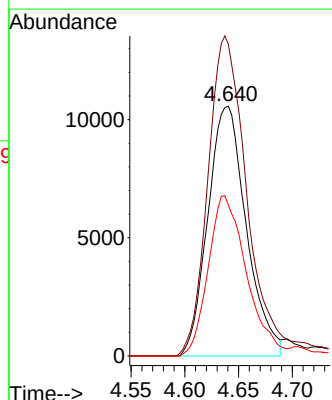
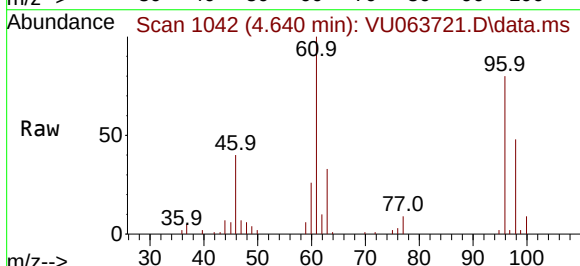
Tgt Ion: 96 Resp: 26311

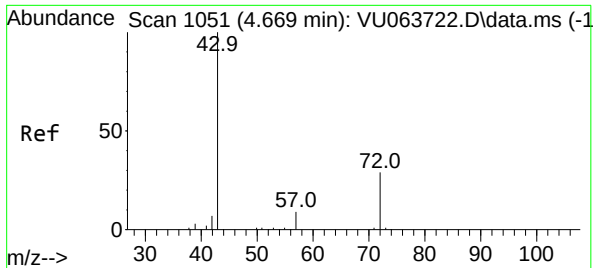
Ion Ratio Lower Upper

96 100

61 124.8 90.3 167.7

98 60.4 46.3 86.1

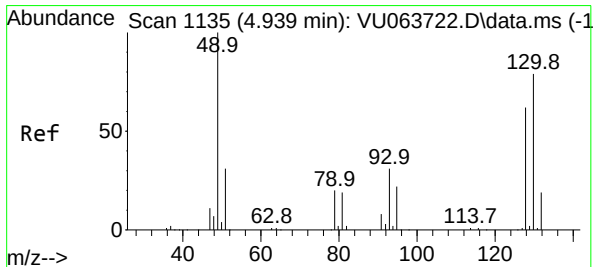
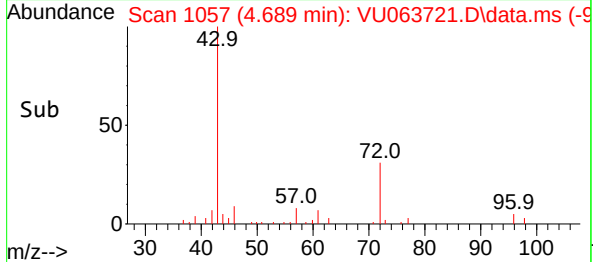
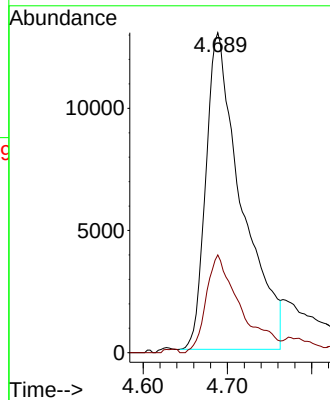
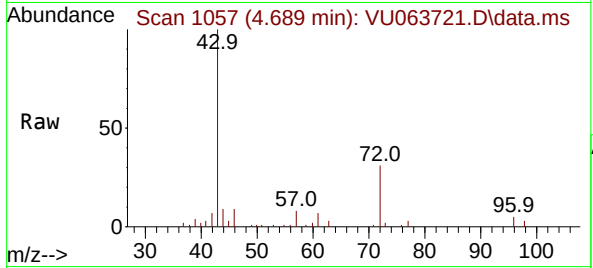




#22
2-Butanone
Concen: 17.712 ug/L
RT: 4.689 min Scan# 1051
Delta R.T. 0.019 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

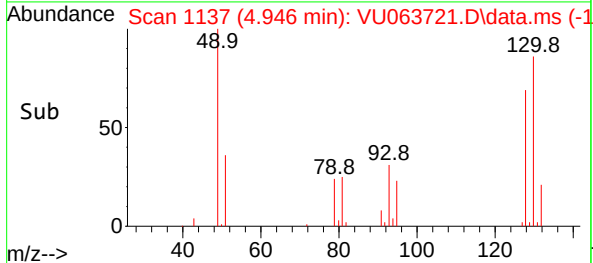
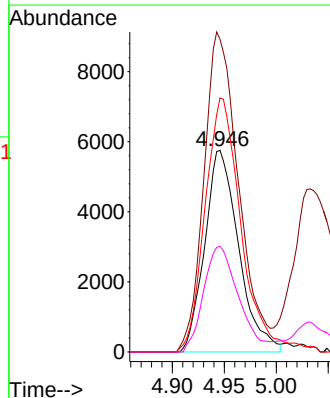
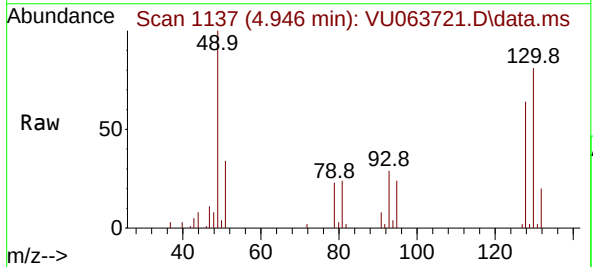
Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

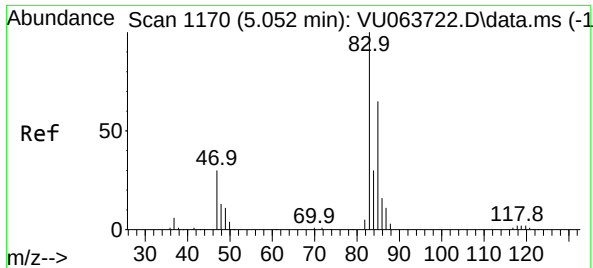
Tgt Ion: 43 Resp: 38156
Ion Ratio Lower Upper
43 100
72 29.7 13.6 40.7



#23
Bromochloromethane
Concen: 10.133 ug/L
RT: 4.946 min Scan# 1137
Delta R.T. 0.006 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

Tgt Ion:128 Resp: 13068
Ion Ratio Lower Upper
128 100
49 155.1 113.5 210.7
130 126.1 89.8 166.8
51 52.4 39.7 59.5





#25

Chloroform

Concen: 10.580 ug/L

RT: 5.055 min Scan# 1170

Delta R.T. 0.003 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

Instrument :

MSVOA_U

ClientSampleId :

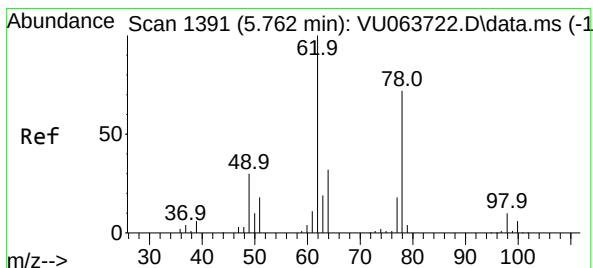
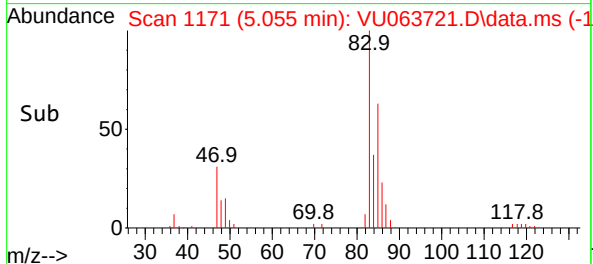
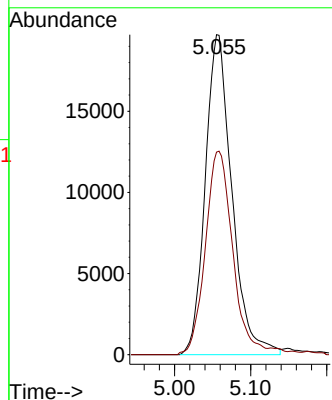
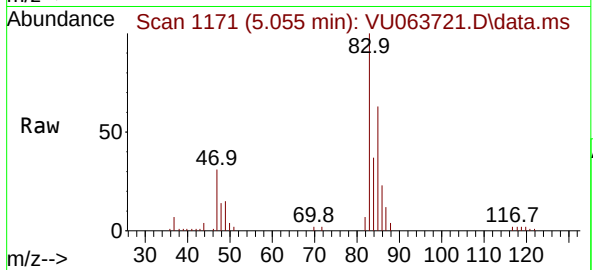
VSTD010046

Tgt Ion: 83 Resp: 47939

Ion Ratio Lower Upper

83 100

85 63.3 45.4 84.4



#27

1,2-Dichloroethane

Concen: 10.384 ug/L

RT: 5.769 min Scan# 1393

Delta R.T. 0.006 min

Lab File: VU063721.D

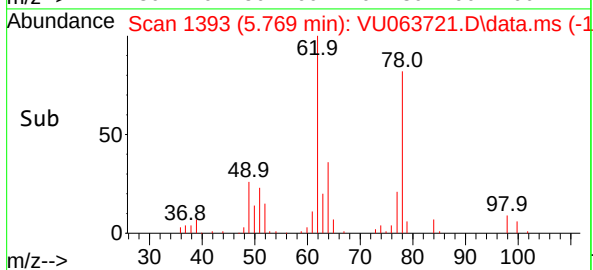
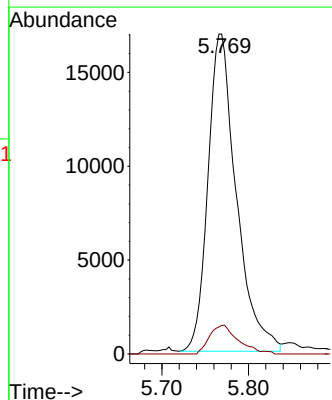
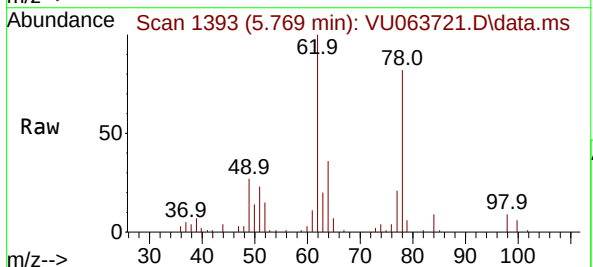
Acq: 17 Nov 2025 11:43

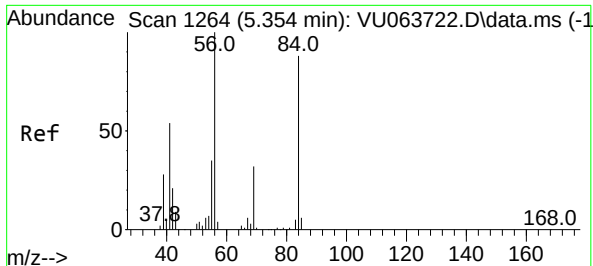
Tgt Ion: 62 Resp: 38491

Ion Ratio Lower Upper

62 100

98 9.0 7.6 11.4





#29

Cyclohexane

Concen: 10.591 ug/L

RT: 5.354 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD010046

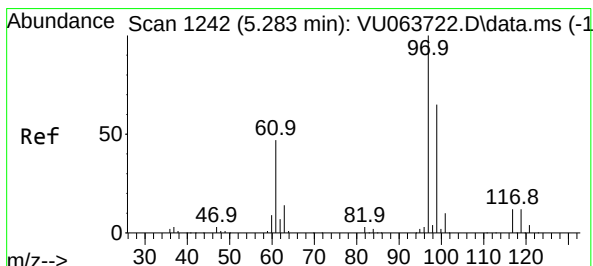
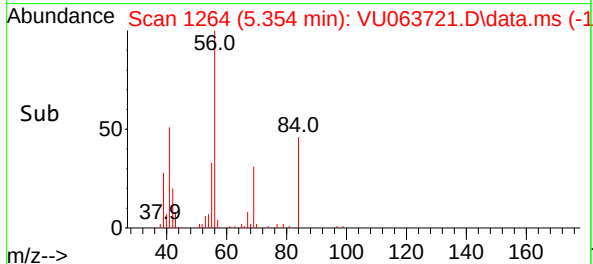
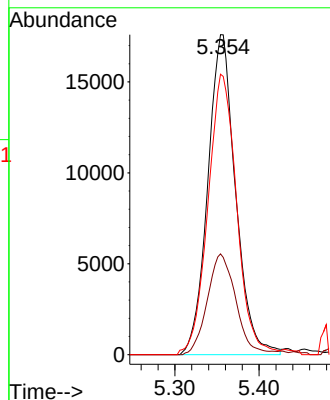
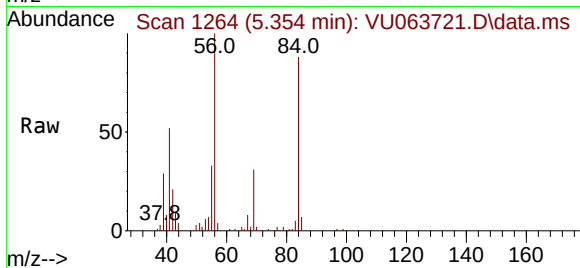
Tgt Ion: 56 Resp: 40326

Ion Ratio Lower Upper

56 100

69 32.1 25.8 38.8

84 90.5 69.3 103.9



#30

1,1,1-Trichloroethane

Concen: 10.944 ug/L

RT: 5.287 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

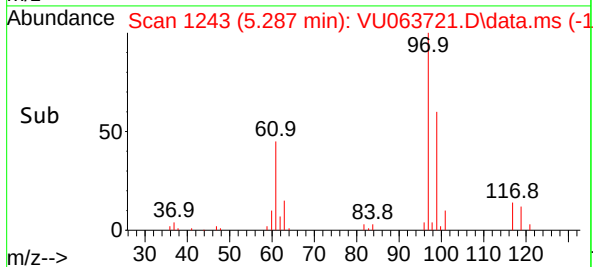
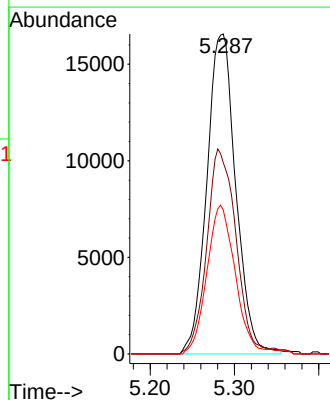
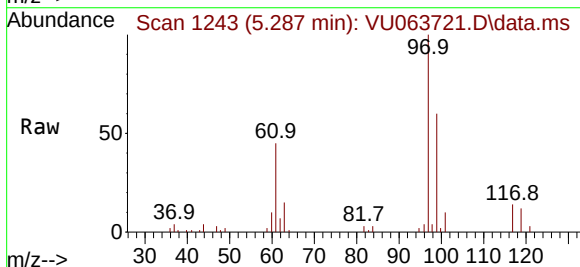
Tgt Ion: 97 Resp: 39572

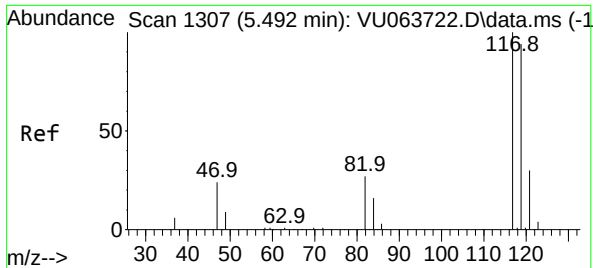
Ion Ratio Lower Upper

97 100

99 64.3 50.7 76.1

61 45.3 37.2 55.8

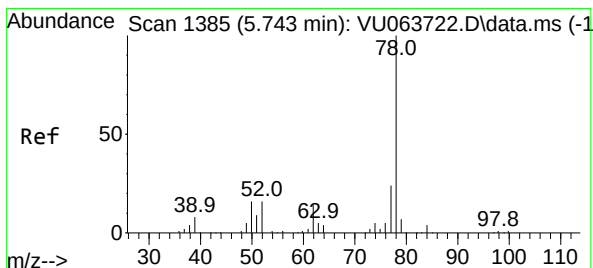
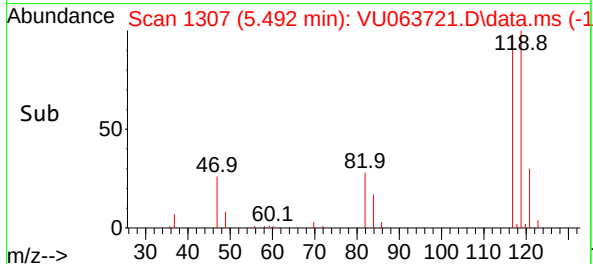
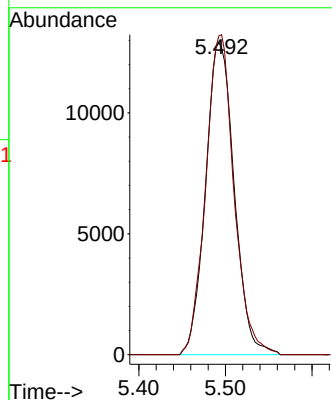
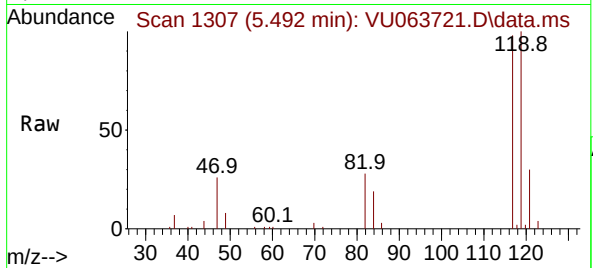




#31
Carbon tetrachloride
Concen: 10.347 ug/L
RT: 5.492 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

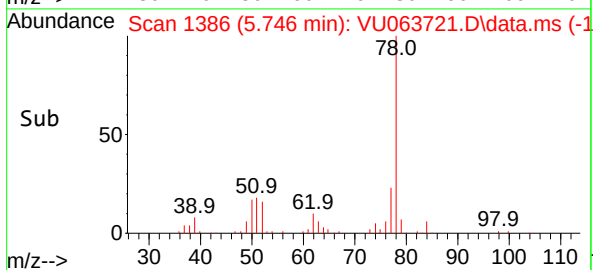
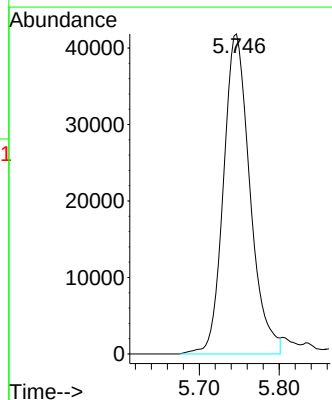
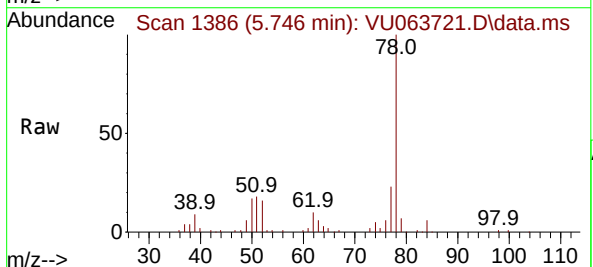
Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

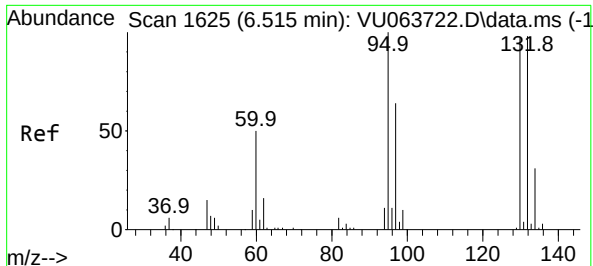
Tgt Ion:117 Resp: 29800
Ion Ratio Lower Upper
117 100
119 100.6 76.0 114.0



#33
Benzene
Concen: 10.315 ug/L
RT: 5.746 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

Tgt Ion: 78 Resp: 96290



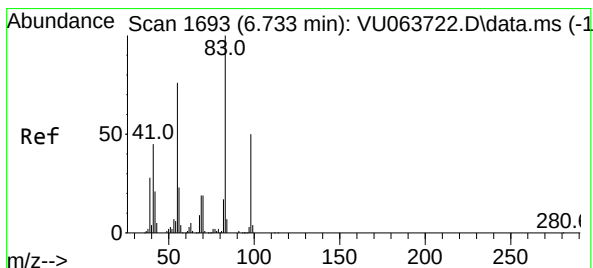
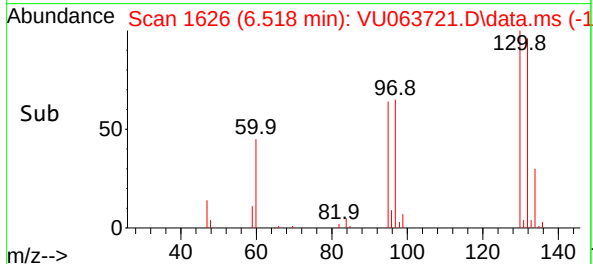
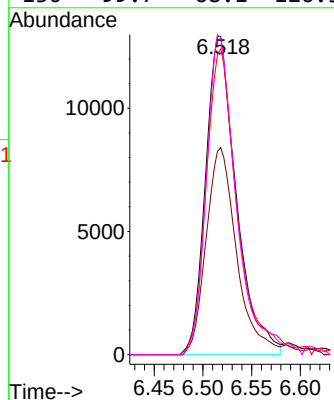
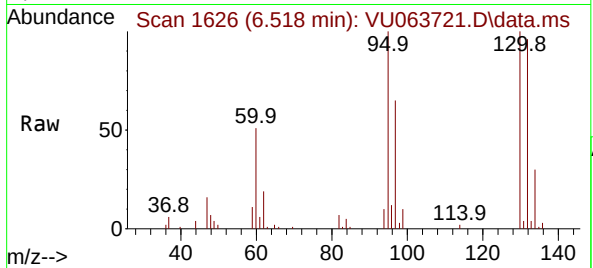


#34
Trichloroethene
Concen: 10.662 ug/L
RT: 6.518 min Scan# 1625
Delta R.T. 0.003 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

Tgt Ion: 95 Resp: 28351

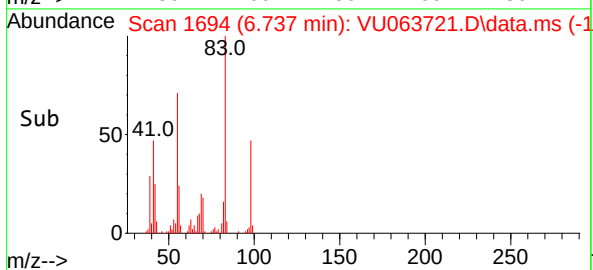
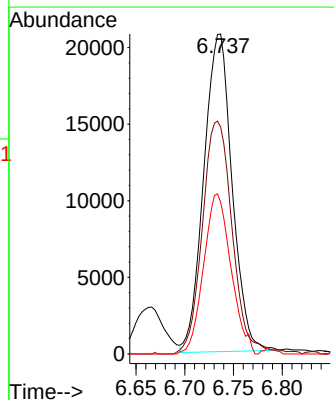
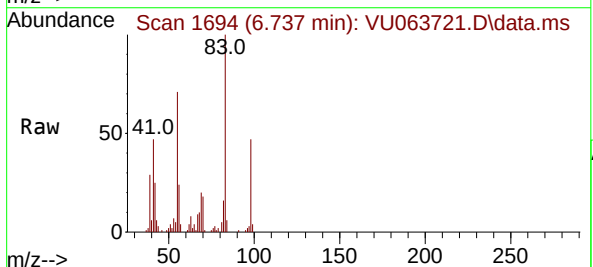
Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.1	83.9
132	96.1	68.3	126.8
130	99.7	68.1	126.5

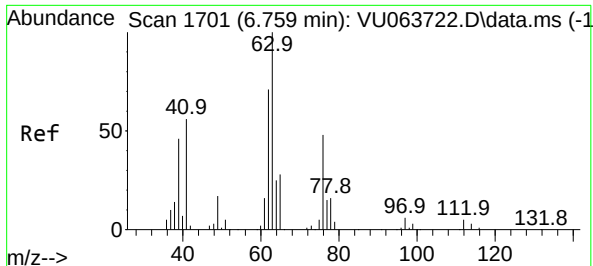


#35
Methylcyclohexane
Concen: 11.034 ug/L
RT: 6.737 min Scan# 1694
Delta R.T. 0.003 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

Tgt Ion: 83 Resp: 41970

Ion	Ratio	Lower	Upper
83	100		
55	76.9	60.9	91.3
98	48.6	39.7	59.5





#37

1,2-Dichloropropane

Concen: 9.459 ug/L

RT: 6.766 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

Instrument :

MSVOA_U

ClientSampleId :

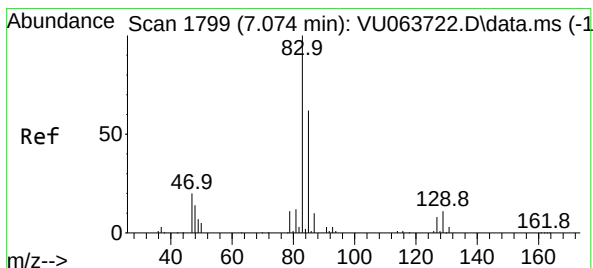
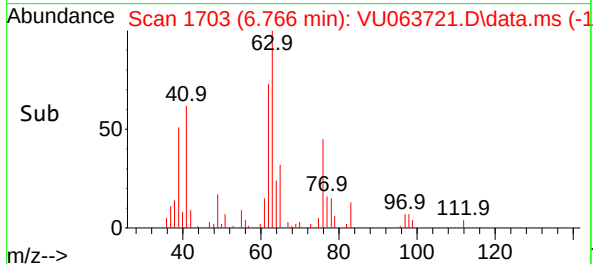
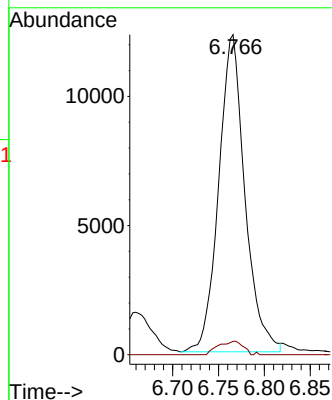
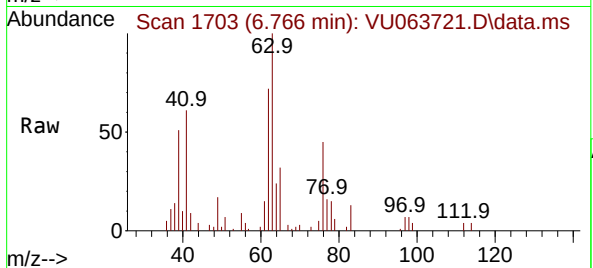
VSTD010046

Tgt Ion: 63 Resp: 24426

Ion Ratio Lower Upper

63 100

112 2.2 3.7 5.5#



#38

Bromodichloromethane

Concen: 10.738 ug/L

RT: 7.078 min Scan# 1800

Delta R.T. 0.003 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

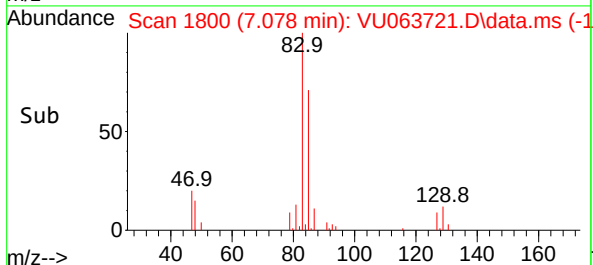
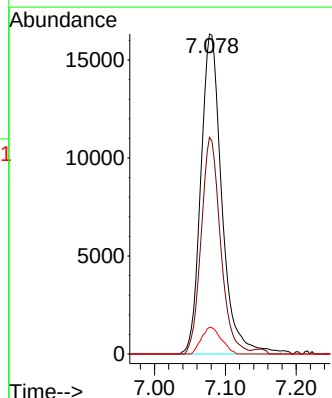
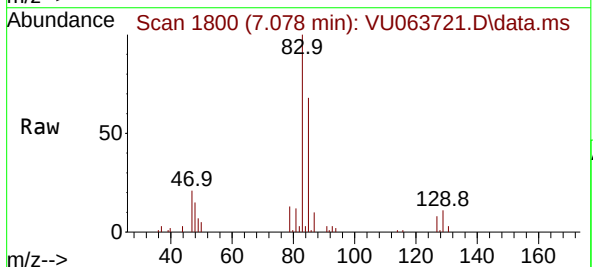
Tgt Ion: 83 Resp: 33582

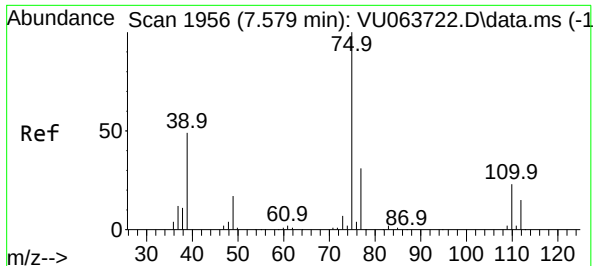
Ion Ratio Lower Upper

83 100

85 67.7 43.1 80.1

127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 10.610 ug/L

RT: 7.582 min Scan# 1956

Delta R.T. 0.003 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

Instrument :

MSVOA_U

ClientSampleId :

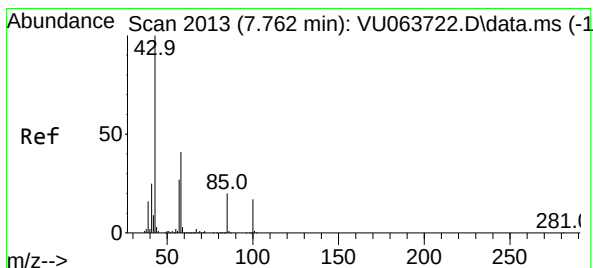
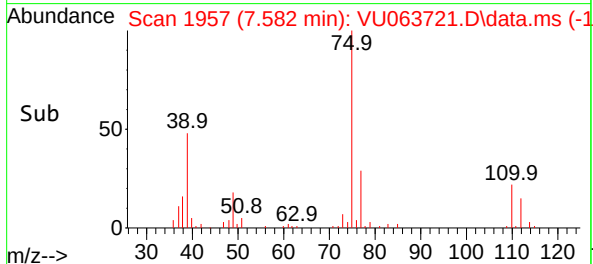
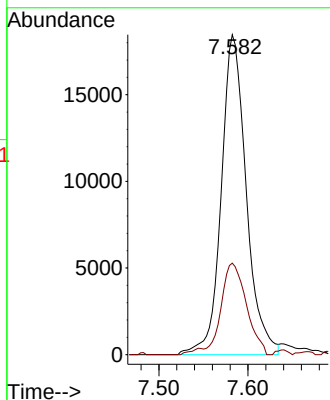
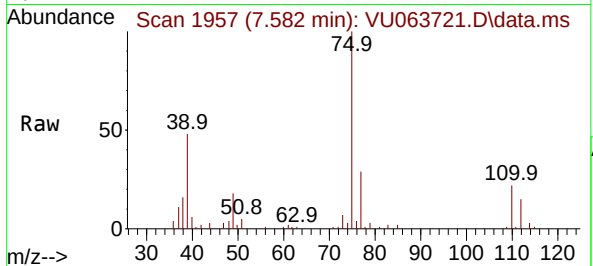
VSTD010046

Tgt Ion: 75 Resp: 36028

Ion Ratio Lower Upper

75 100

77 29.7 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 18.967 ug/L

RT: 7.769 min Scan# 2015

Delta R.T. 0.006 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

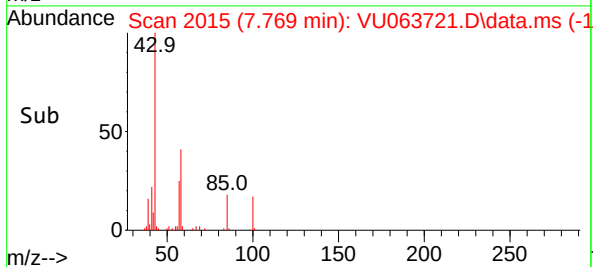
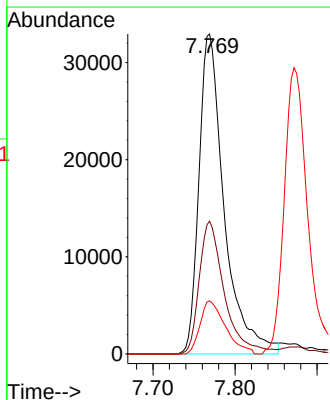
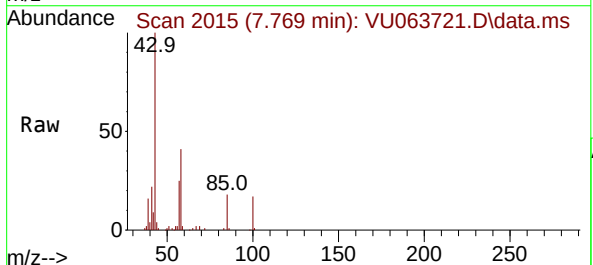
Tgt Ion: 43 Resp: 70394

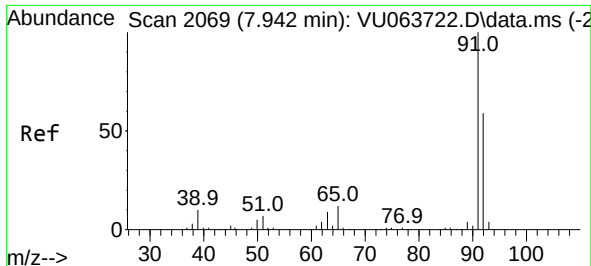
Ion Ratio Lower Upper

43 100

58 40.8 32.9 49.3

100 16.6 13.9 20.9





#42

Toluene

Concen: 10.465 ug/L

RT: 7.946 min Scan# 2069

Delta R.T. 0.003 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

Instrument :

MSVOA_U

ClientSampleId :

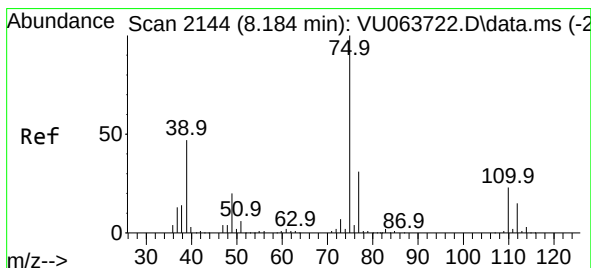
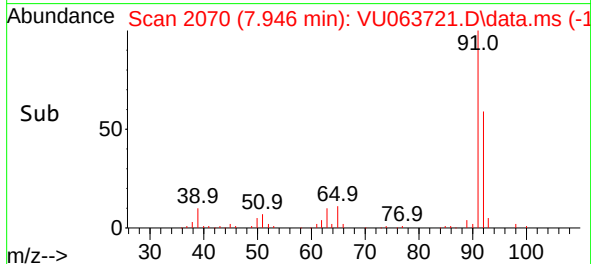
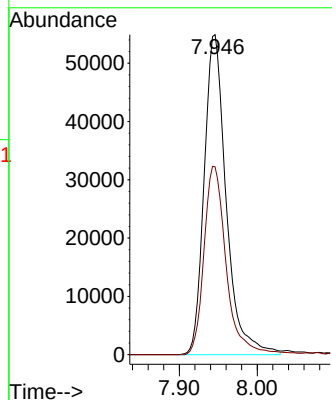
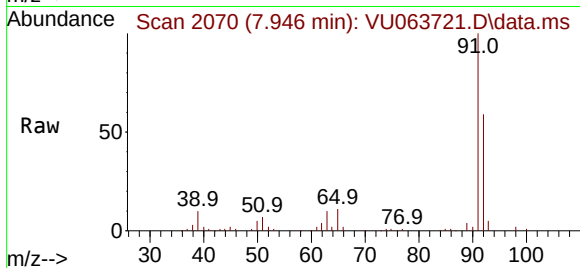
VSTD010046

Tgt Ion: 91 Resp: 107925

Ion Ratio Lower Upper

91 100

92 58.7 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 10.244 ug/L

RT: 8.187 min Scan# 2145

Delta R.T. 0.003 min

Lab File: VU063721.D

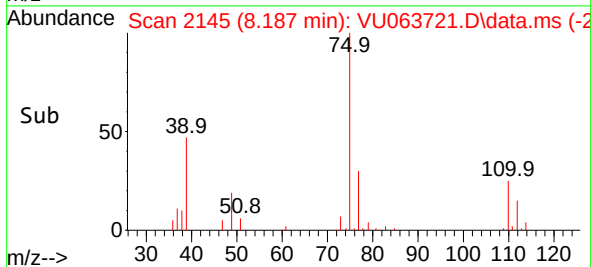
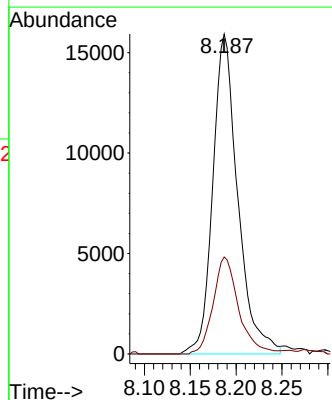
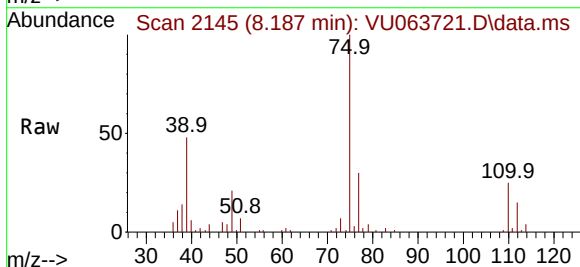
Acq: 17 Nov 2025 11:43

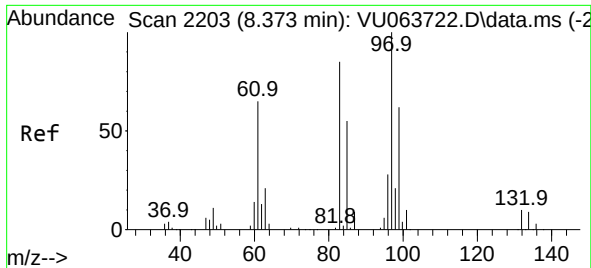
Tgt Ion: 75 Resp: 30176

Ion Ratio Lower Upper

75 100

77 30.3 21.4 39.8



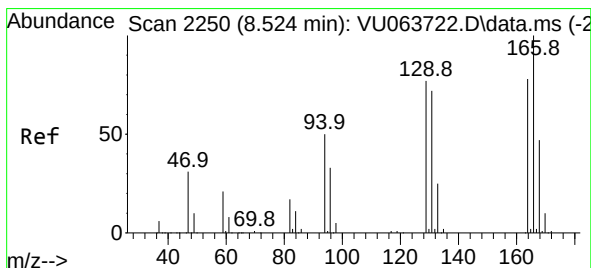
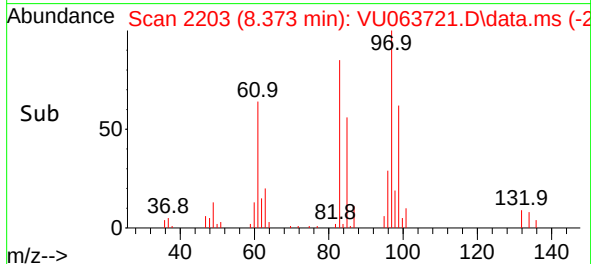
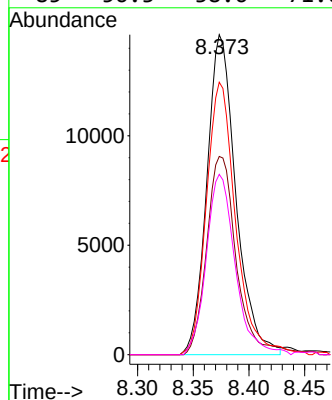
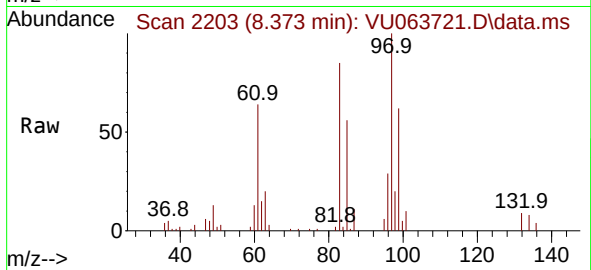


#45
1,1,2-Trichloroethane
Concen: 10.505 ug/L
RT: 8.373 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

Tgt Ion: 97 Resp: 26549

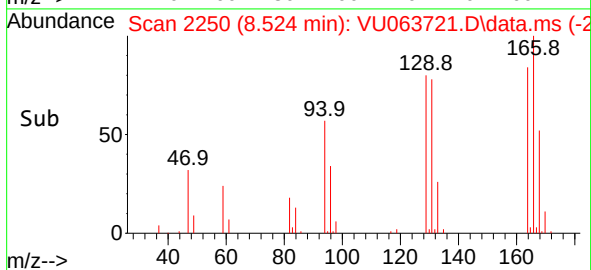
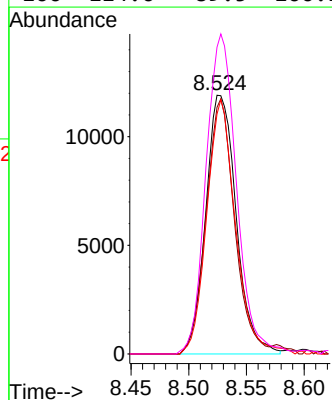
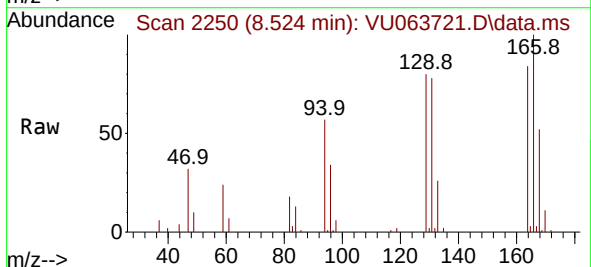
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.7	81.1
83	85.2	59.7	110.9
85	56.3	38.6	71.6

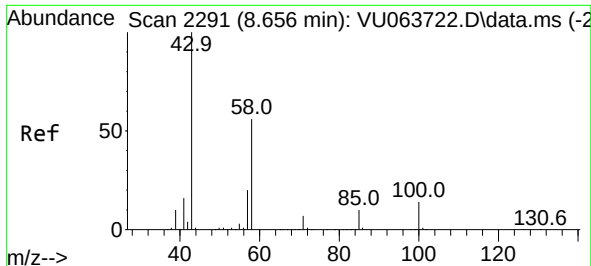


#46
Tetrachloroethene
Concen: 11.256 ug/L
RT: 8.524 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

Tgt Ion: 164 Resp: 21878

Ion	Ratio	Lower	Upper
164	100		
129	92.2	68.5	127.3
131	89.6	64.3	119.3
166	114.6	89.5	166.1

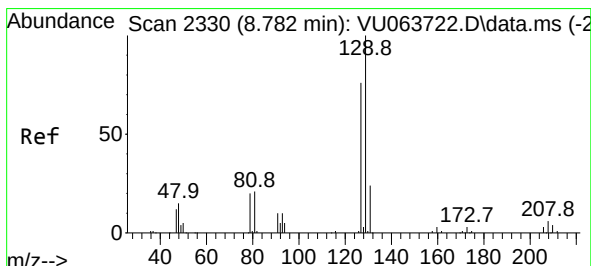
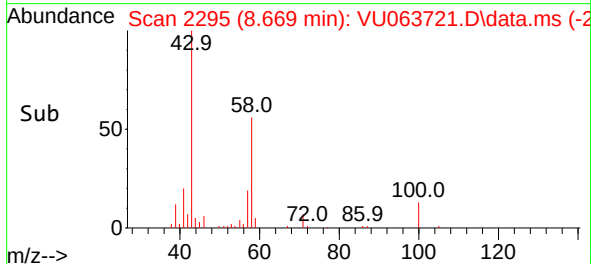
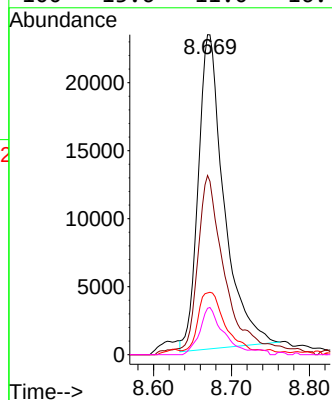
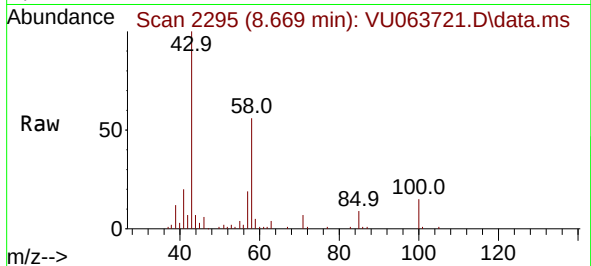




#48
2-Hexanone
Concen: 18.615 ug/L
RT: 8.669 min Scan# 2295
Delta R.T. 0.013 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

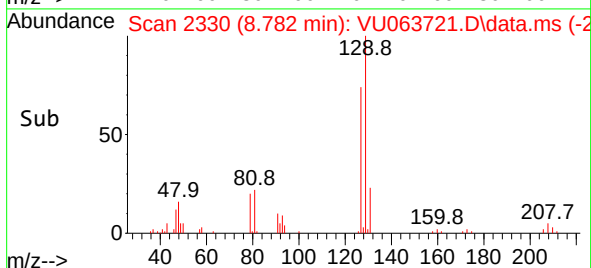
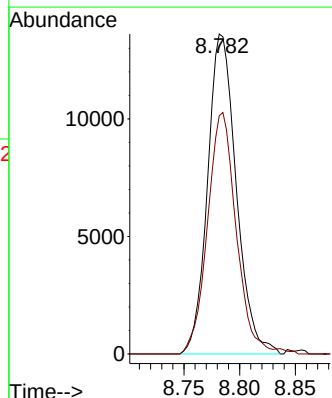
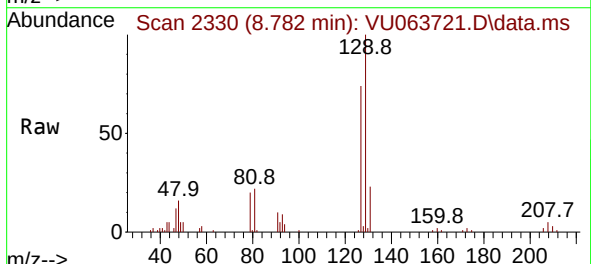
Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

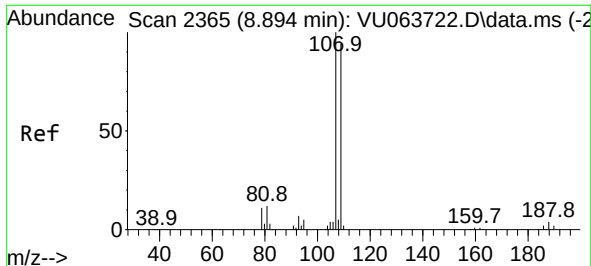
Tgt Ion:	43	Resp:	53037
Ion	Ratio	Lower	Upper
43	100		
58	51.1	44.8	67.2
57	19.6	16.6	24.8
100	13.6	11.0	16.4



#49
Dibromochloromethane
Concen: 10.628 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

Tgt Ion:	129	Resp:	24409
Ion	Ratio	Lower	Upper
129	100		
127	74.4	53.4	99.2





#50

1,2-Dibromoethane

Concen: 10.283 ug/L

RT: 8.897 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD010046

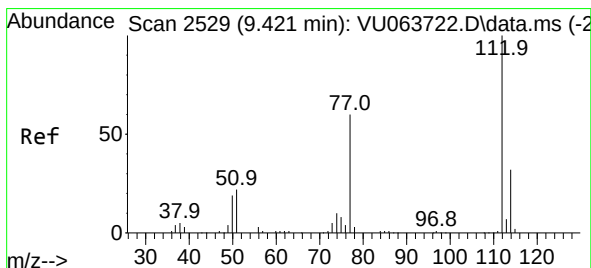
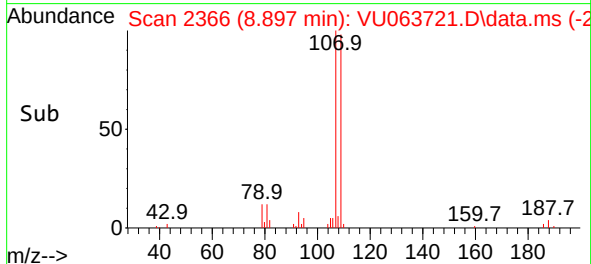
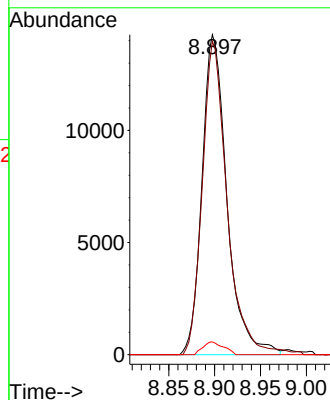
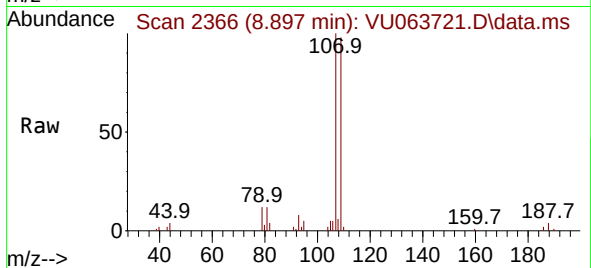
Tgt Ion:107 Resp: 26999

Ion Ratio Lower Upper

107 100

109 98.0 65.8 122.2

188 4.0 3.2 4.8



#51

Chlorobenzene

Concen: 10.620 ug/L

RT: 9.422 min Scan# 2529

Delta R.T. 0.000 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

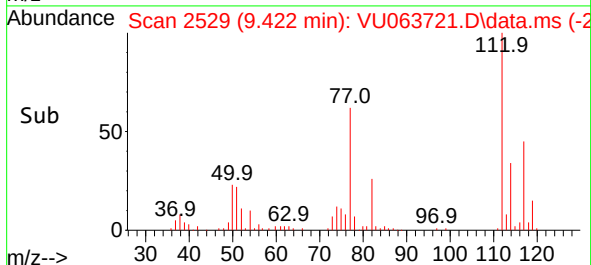
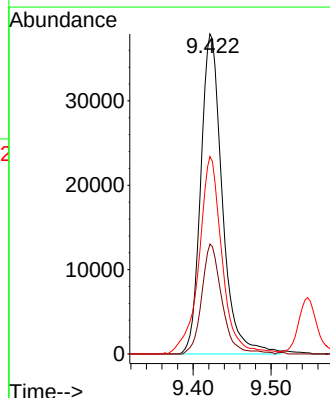
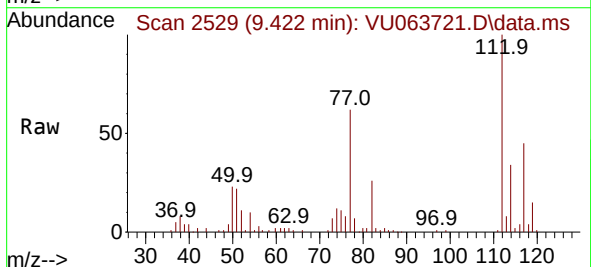
Tgt Ion:112 Resp: 72750

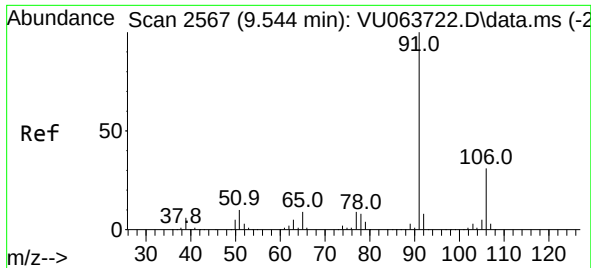
Ion Ratio Lower Upper

112 100

114 34.3 22.1 41.1

77 61.7 48.0 72.0

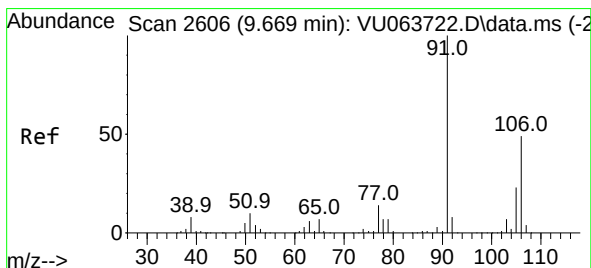
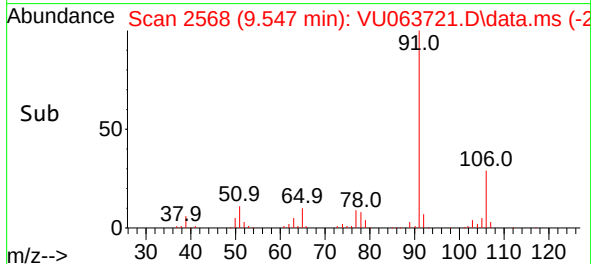
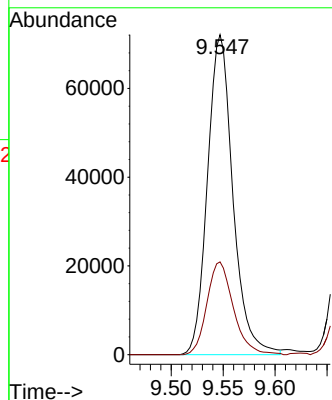
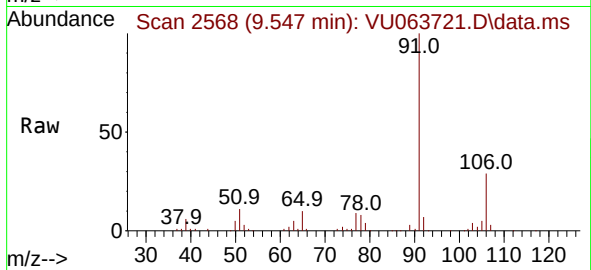




#52
Ethylbenzene
Concen: 10.676 ug/L
RT: 9.547 min Scan# 2567
Delta R.T. 0.003 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

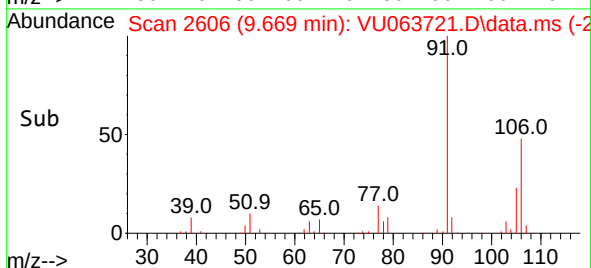
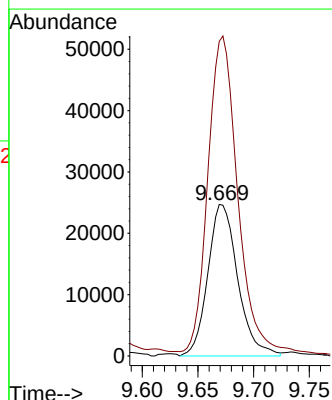
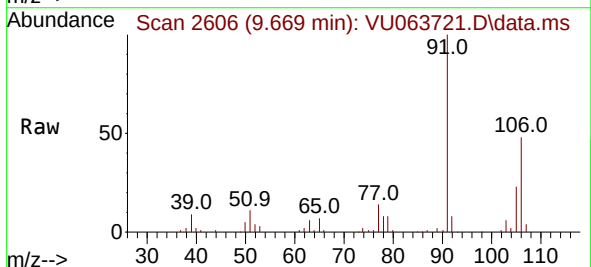
Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

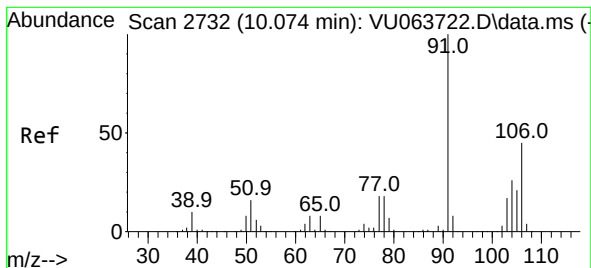
Tgt Ion: 91 Resp: 122643
Ion Ratio Lower Upper
91 100
106 29.0 21.3 39.6



#53
m,p-Xylene
Concen: 10.695 ug/L
RT: 9.669 min Scan# 2606
Delta R.T. 0.000 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

Tgt Ion:106 Resp: 46215
Ion Ratio Lower Upper
106 100
91 207.6 143.6 266.6





#54

o-Xylene

Concen: 10.601 ug/L

RT: 10.077 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

Instrument :

MSVOA_U

ClientSampleId :

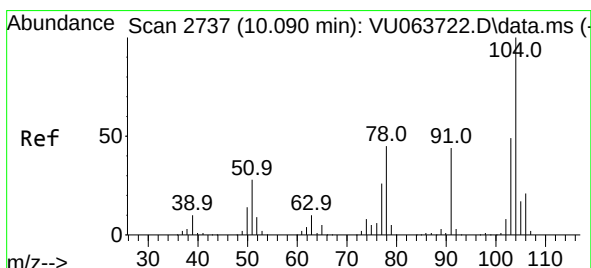
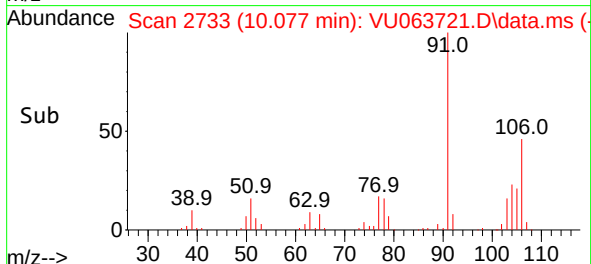
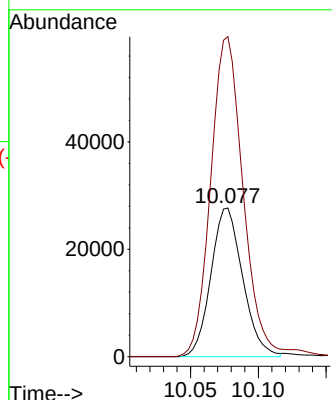
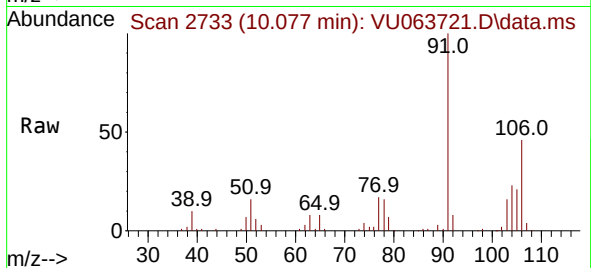
VSTD010046

Tgt Ion:106 Resp: 45102

Ion Ratio Lower Upper

106 100

91 215.2 156.0 289.6



#55

Styrene

Concen: 10.242 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.003 min

Lab File: VU063721.D

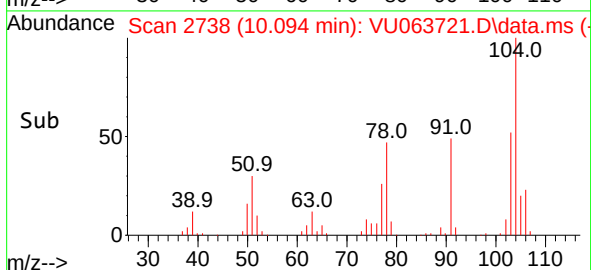
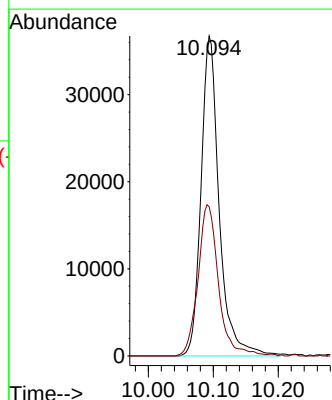
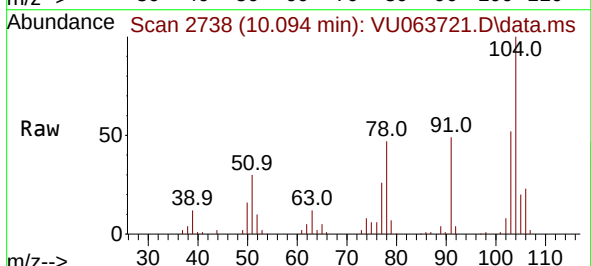
Acq: 17 Nov 2025 11:43

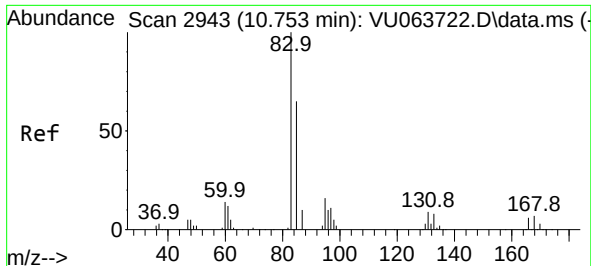
Tgt Ion:104 Resp: 71403

Ion Ratio Lower Upper

104 100

78 46.6 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 10.227 ug/L

RT: 10.756 min Scan# 2944

Delta R.T. 0.003 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD010046

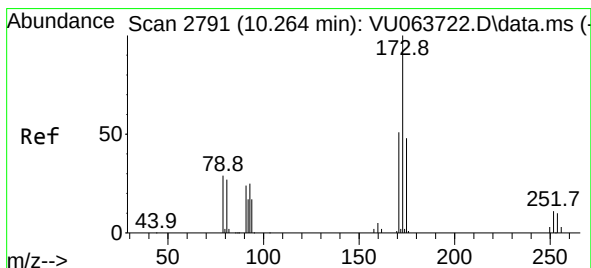
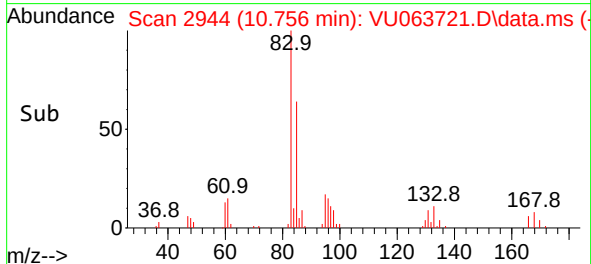
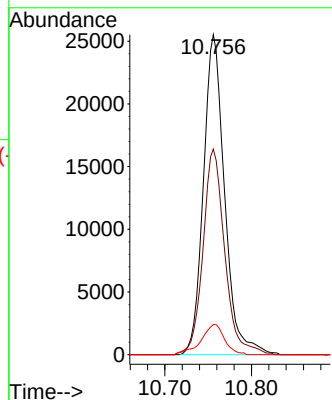
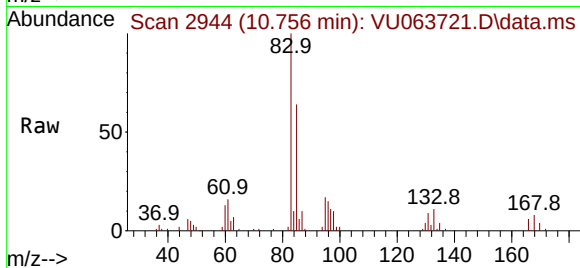
Tgt Ion: 83 Resp: 43410

Ion Ratio Lower Upper

83 100

85 64.3 45.7 84.9

131 9.4 7.4 11.2



#59

Bromoform

Concen: 10.290 ug/L

RT: 10.264 min Scan# 2791

Delta R.T. 0.000 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

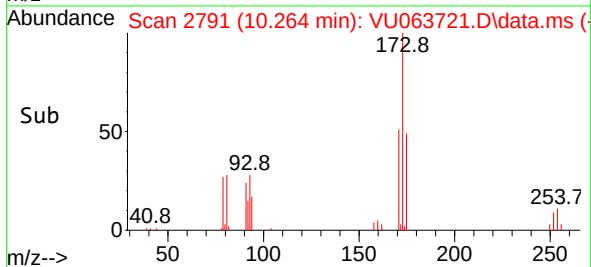
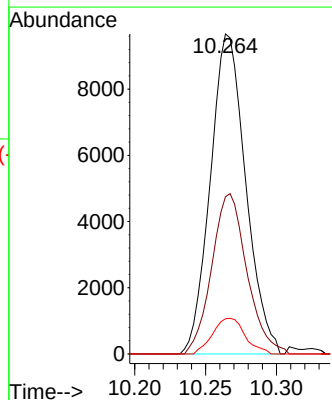
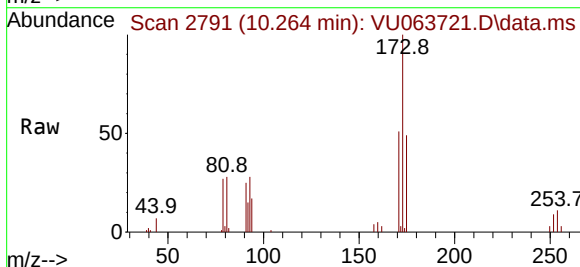
Tgt Ion:173 Resp: 16799

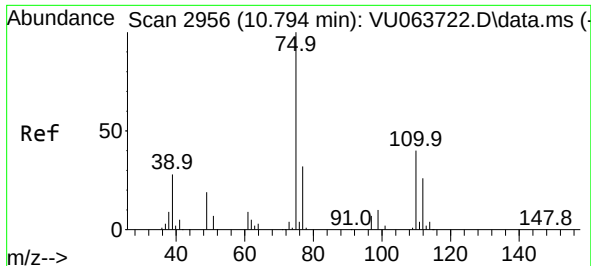
Ion Ratio Lower Upper

173 100

175 49.7 38.2 57.4

254 10.2 6.9 10.3

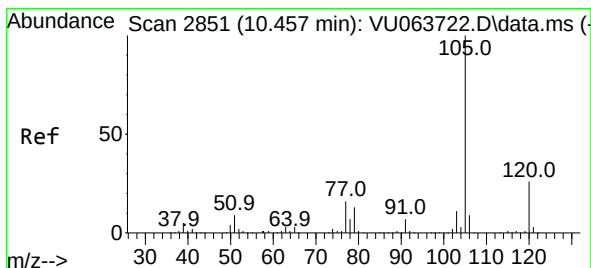
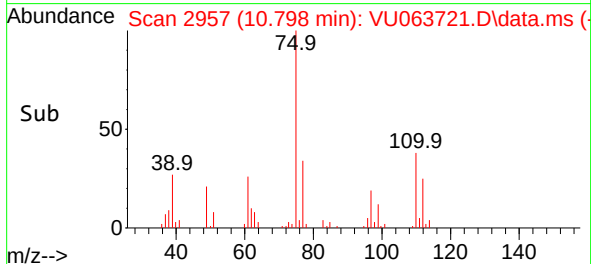
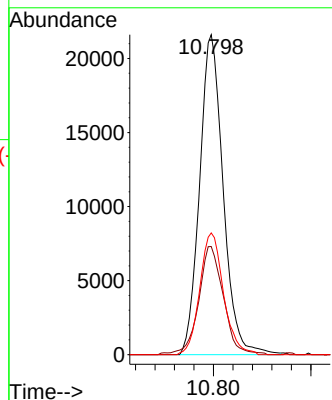
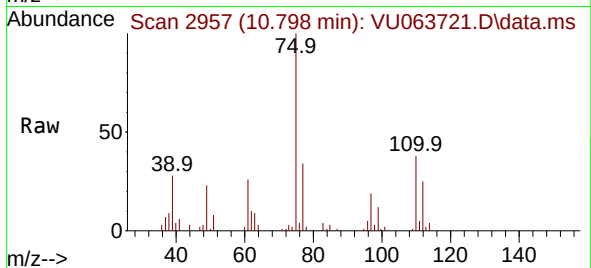




#60
1,2,3-Trichloropropane
Concen: 10.609 ug/L
RT: 10.798 min Scan# 2957
Delta R.T. 0.003 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

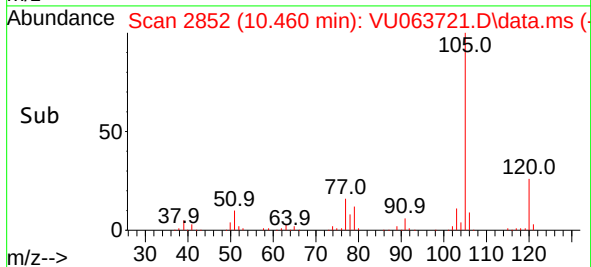
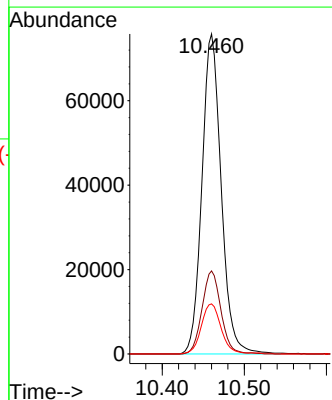
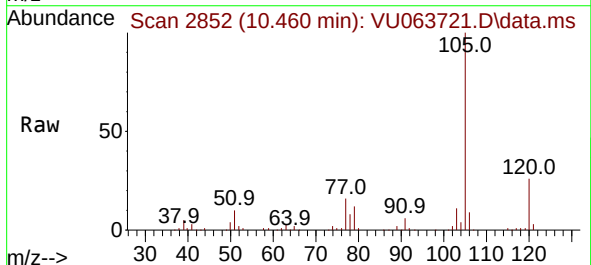
Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

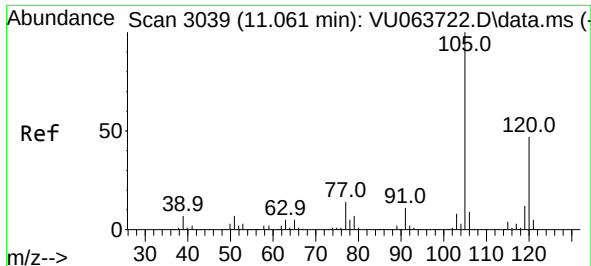
Tgt Ion: 75 Resp: 36279
Ion Ratio Lower Upper
75 100
77 35.2 26.1 39.1
110 38.4 32.3 48.5



#61
Isopropylbenzene
Concen: 10.979 ug/L
RT: 10.460 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

Tgt Ion: 105 Resp: 123547
Ion Ratio Lower Upper
105 100
120 25.5 20.7 31.1
77 16.1 12.9 19.3

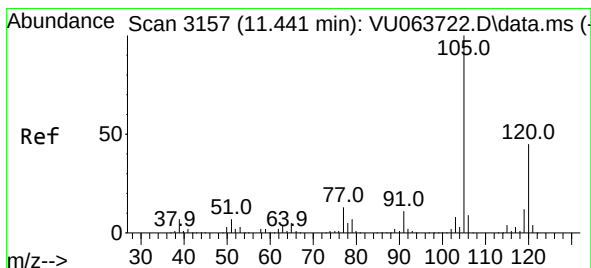
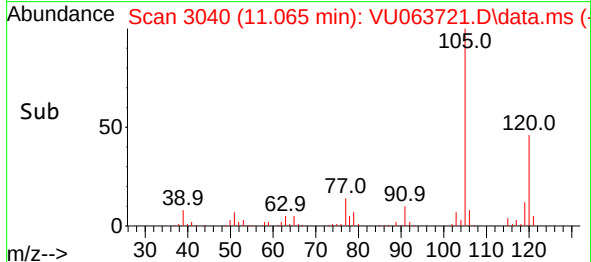
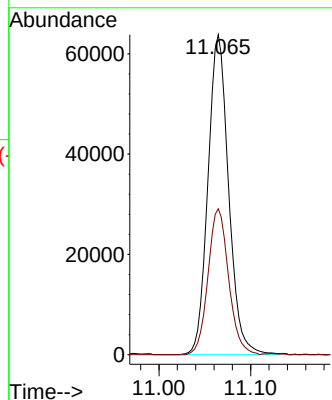
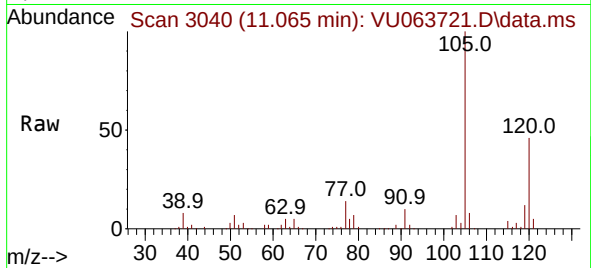




#62
1,3,5-Trimethylbenzene
Concen: 10.828 ug/L
RT: 11.065 min Scan# 3039
Delta R.T. 0.003 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

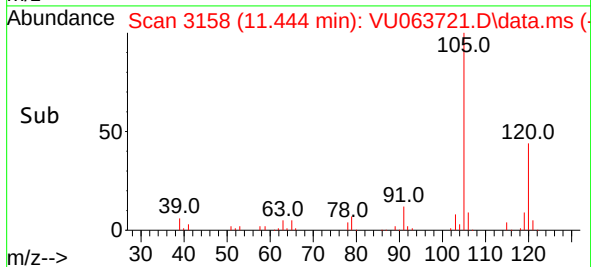
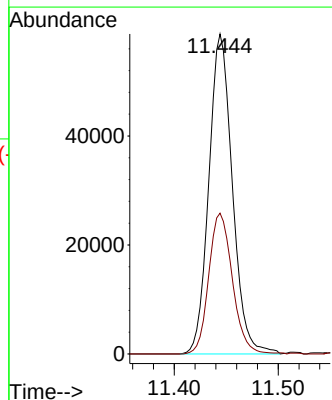
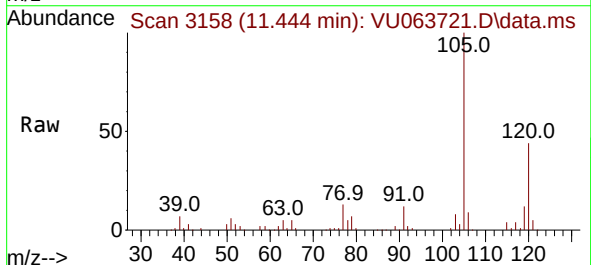
Instrument :
MSVOA_U
ClientSampleId :
VSTD010046

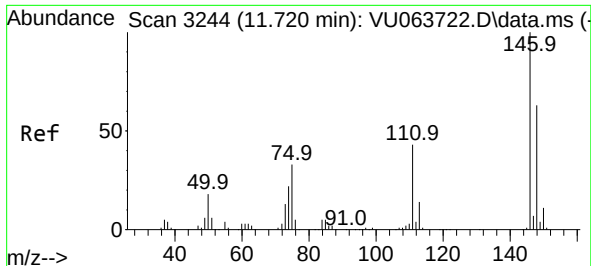
Tgt Ion:105 Resp: 99977
Ion Ratio Lower Upper
105 100
120 45.5 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 10.356 ug/L
RT: 11.444 min Scan# 3158
Delta R.T. 0.003 min
Lab File: VU063721.D
Acq: 17 Nov 2025 11:43

Tgt Ion:105 Resp: 92420
Ion Ratio Lower Upper
105 100
120 44.1 35.6 53.4

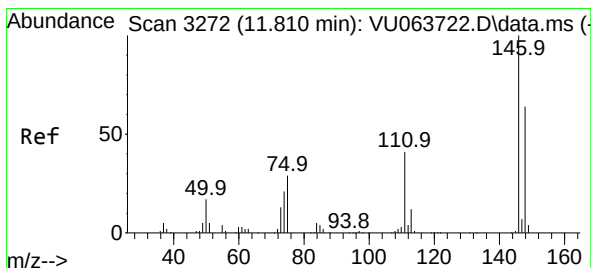
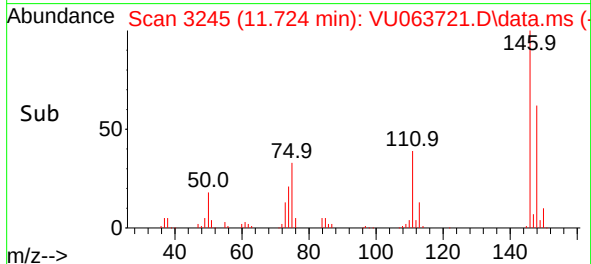
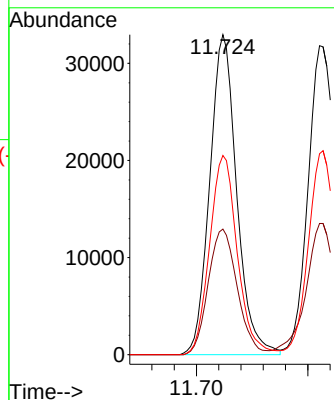
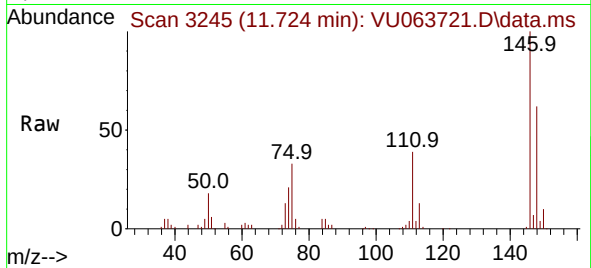




#64
 1,3-Dichlorobenzene
 Concen: 10.819 ug/L
 RT: 11.724 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063721.D
 Acq: 17 Nov 2025 11:43

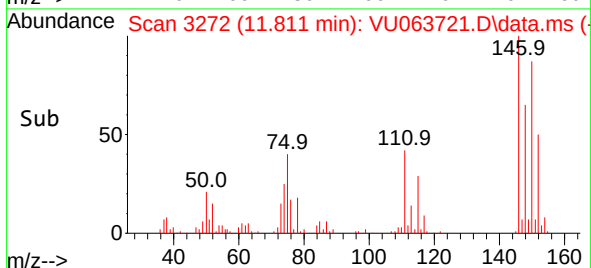
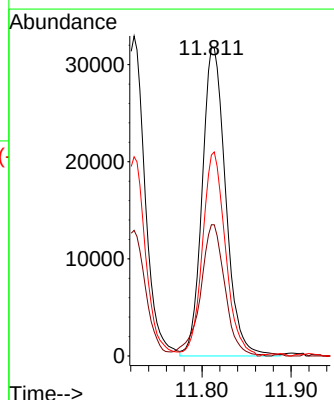
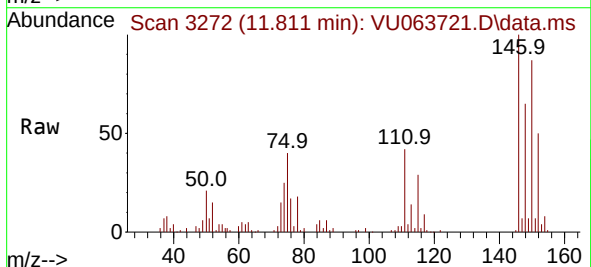
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010046

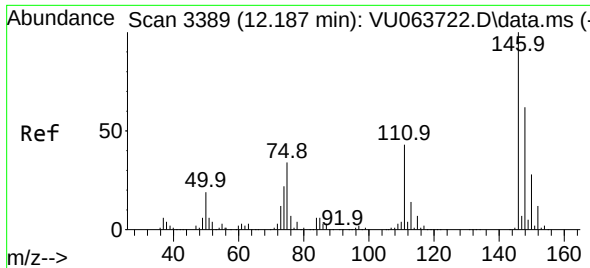
Tgt Ion:146 Resp: 55308
 Ion Ratio Lower Upper
 146 100
 111 39.2 29.8 55.3
 148 62.3 44.4 82.4



#65
 1,4-Dichlorobenzene
 Concen: 11.311 ug/L
 RT: 11.811 min Scan# 3272
 Delta R.T. 0.000 min
 Lab File: VU063721.D
 Acq: 17 Nov 2025 11:43

Tgt Ion:146 Resp: 58362
 Ion Ratio Lower Upper
 146 100
 111 42.4 28.8 53.4
 148 65.0 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 10.736 ug/L

RT: 12.190 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD010046

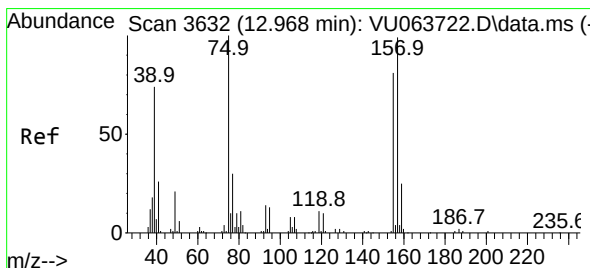
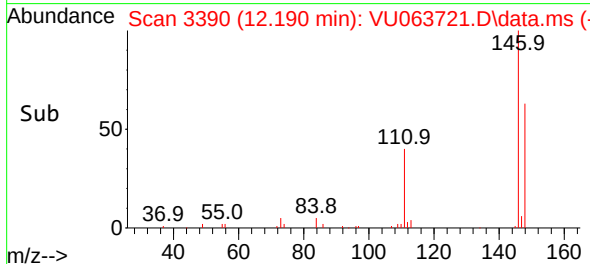
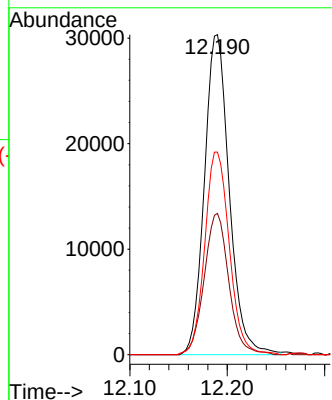
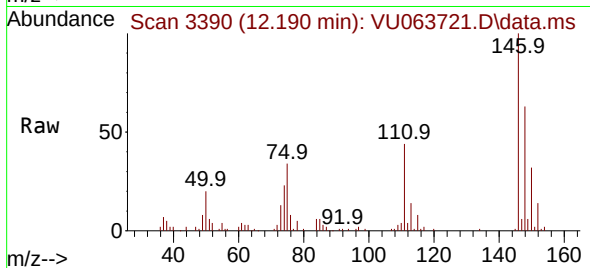
Tgt Ion:146 Resp: 53734

Ion Ratio Lower Upper

146 100

111 44.1 34.2 51.4

148 69.1 49.6 74.4



#68

1,2-Dibromo-3-chloropropane

Concen: 10.254 ug/L

RT: 12.968 min Scan# 3632

Delta R.T. 0.000 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

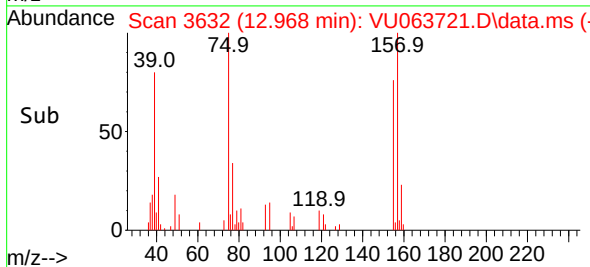
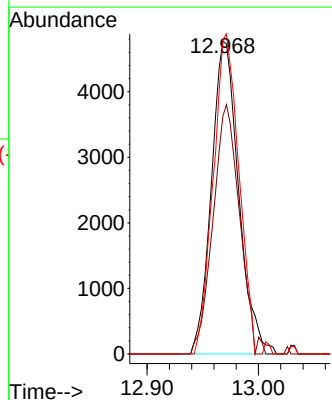
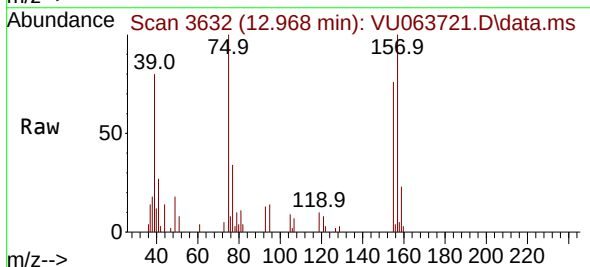
Tgt Ion: 75 Resp: 8089

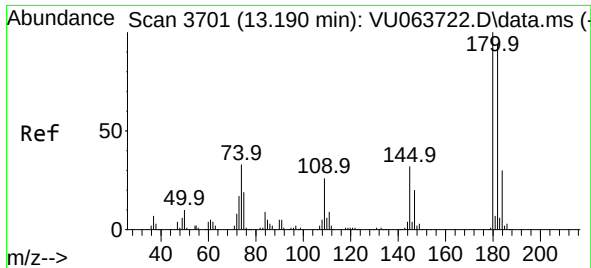
Ion Ratio Lower Upper

75 100

155 73.4 64.6 97.0

157 96.9 78.8 118.2

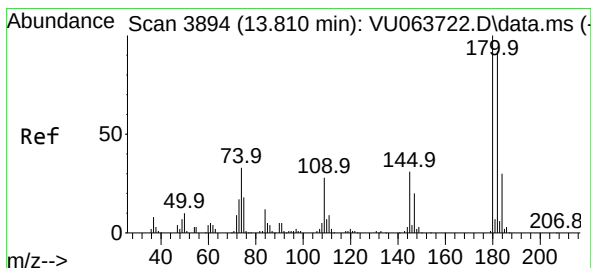
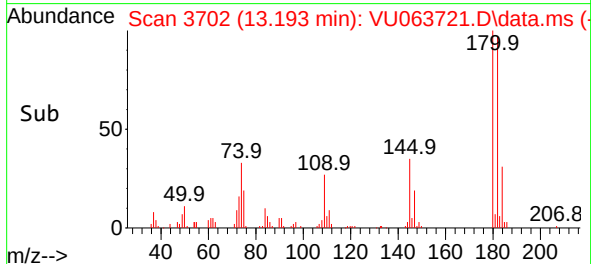
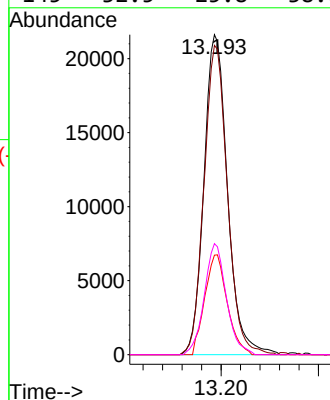
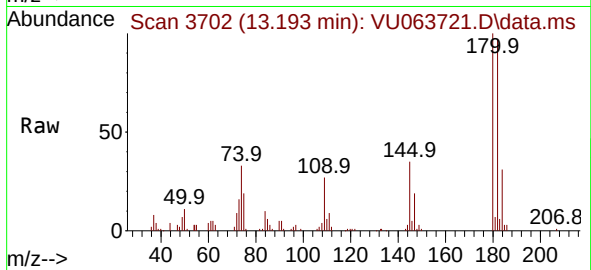




#69
 1,3,5-Trichlorobenzene
 Concen: 10.184 ug/L
 RT: 13.193 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063721.D
 Acq: 17 Nov 2025 11:43

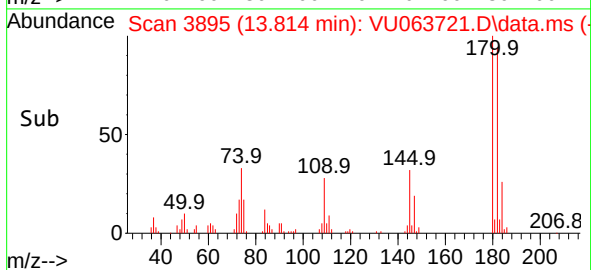
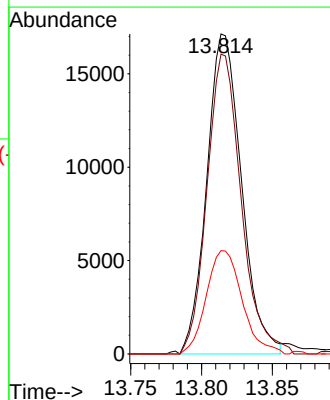
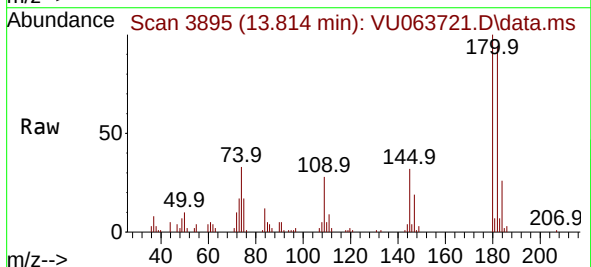
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010046

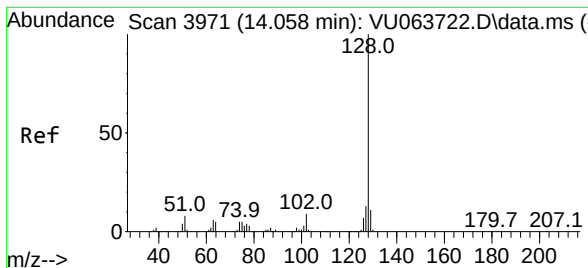
Tgt Ion:180	Resp:	36328
Ion Ratio	Lower	Upper
180	100	
182	96.0	76.4 114.6
184	29.7	24.4 36.6
145	32.5	25.8 38.6



#70
 1,2,4-trichlorobenzene
 Concen: 9.932 ug/L
 RT: 13.814 min Scan# 3895
 Delta R.T. 0.003 min
 Lab File: VU063721.D
 Acq: 17 Nov 2025 11:43

Tgt Ion:180	Resp:	29188
Ion Ratio	Lower	Upper
180	100	
182	92.3	75.8 113.8
145	33.3	25.7 38.5





#71

Naphthalene

Concen: 9.411 ug/L

RT: 14.061 min Scan# 3972

Delta R.T. 0.003 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD010046

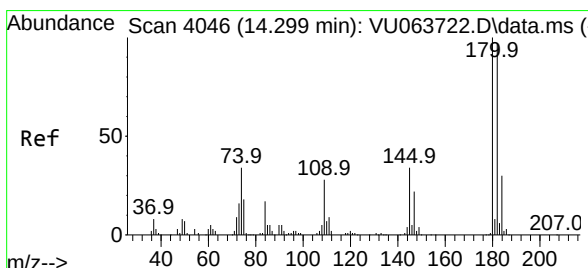
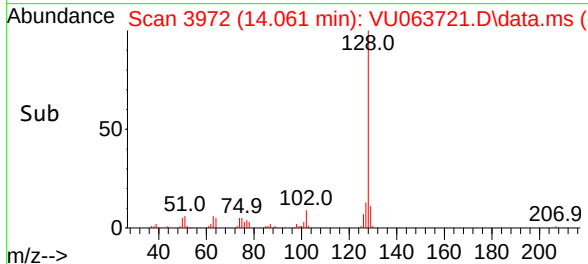
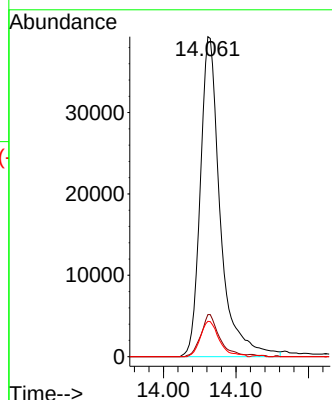
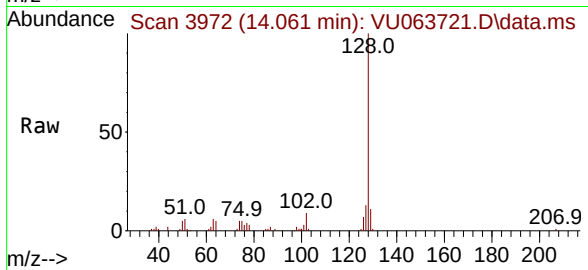
Tgt Ion:128 Resp: 75167

Ion Ratio Lower Upper

128 100

127 12.3 10.3 15.5

129 10.4 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 9.538 ug/L

RT: 14.302 min Scan# 4047

Delta R.T. 0.003 min

Lab File: VU063721.D

Acq: 17 Nov 2025 11:43

Tgt Ion:180 Resp: 26864

Ion Ratio Lower Upper

180 100

182 97.1 76.9 115.3

145 32.5 26.6 39.8

