

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111925\
 Data File : VU063740.D
 Acq On : 19 Nov 2025 10:37
 Operator : MD/SY
 Sample : VSTD00128
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001028

Quant Time: Nov 20 02:49:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 20 02:48:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	160555	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	163949	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	103510	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	15818	1.558	ug/L	0.00
7) Chloroethane-d5	1.895	69	13360	1.416	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.544	65	7118	1.479	ug/L	0.00
20) 2-Butanone-d5	4.621	46	22742	9.052	ug/L	0.03
24) Chloroform-d	5.033	84	32303	1.389	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.676	65	17206	1.405	ug/L	0.00
32) Benzene-d6	5.702	84	62237	1.348	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.663	67	17752	1.226	ug/L	0.00
41) Toluene-d8	7.875	98	60411	1.433	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.158	79	5907	1.439	ug/L	0.00
46) 2-Hexanone-d5	8.618	63	16445	8.470	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.730	84	13160	1.165	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.168	152	20377	1.166	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	11948	0.938	ug/L	100
3) Chloromethane	1.506	50	9880	0.749	ug/L	96
5) Vinyl chloride	1.586	62	11760	0.811	ug/L	98
6) Bromomethane	1.840	94	7708	0.883	ug/L	100
8) Chloroethane	1.914	64	8910	0.963	ug/L	95
9) Trichlorofluoromethane	2.120	101	23414	1.139	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	13560	1.140	ug/L	98
12) 1,1-Dichloroethene	2.557	96	10487	0.987	ug/L	94
13) Acetone	2.612	43	23772	11.029	ug/L	98
14) Carbon disulfide	2.766	76	14649	0.589	ug/L	98
15) Methyl Acetate	2.940	43	4877	1.043	ug/L #	79
16) Methylene chloride	3.020	84	14680	1.168	ug/L	95
17) Methyl tert-butyl Ether	3.338	73	33781	1.215	ug/L	99
18) trans-1,2-Dichloroethene	3.329	96	11268	1.030	ug/L	96
19) 1,1-Dichloroethane	3.837	63	26780	1.167	ug/L	97
21) 2-Butanone	4.698	43	26953	8.586	ug/L	81
22) cis-1,2-Dichloroethene	4.641	96	15851	1.223	ug/L	96
23) Bromochloromethane	4.949	128	6227	1.109	ug/L	96
25) Chloroform	5.055	83	31244	1.289	ug/L	97
27) 1,2-Dichloroethane	5.772	62	17243	1.101	ug/L	98
29) 1,1,1-Trichloroethane	5.280	97	22015	1.094	ug/L	95
30) Cyclohexane	5.358	56	17520	0.819	ug/L	98
31) Carbon tetrachloride	5.496	117	16676	1.069	ug/L	98
33) Benzene	5.747	78	56717	1.082	ug/L	100
34) Trichloroethene	6.518	95	16401	1.127	ug/L	95
35) Methylcyclohexane	6.734	83	18506	0.875	ug/L	98
37) 1,2-Dichloropropane	6.763	63	15013	1.049	ug/L #	91
38) Bromodichloromethane	7.081	83	19558	1.210	ug/L	99
39) cis-1,3-Dichloropropene	7.583	75	18302	1.088	ug/L	93
40) 4-Methyl-2-pentanone	7.769	43	74931	9.242	ug/L	99
42) Toluene	7.946	91	60651	1.054	ug/L	99
44) trans-1,3-Dichloropropene	8.190	75	13755	1.095	ug/L	94

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

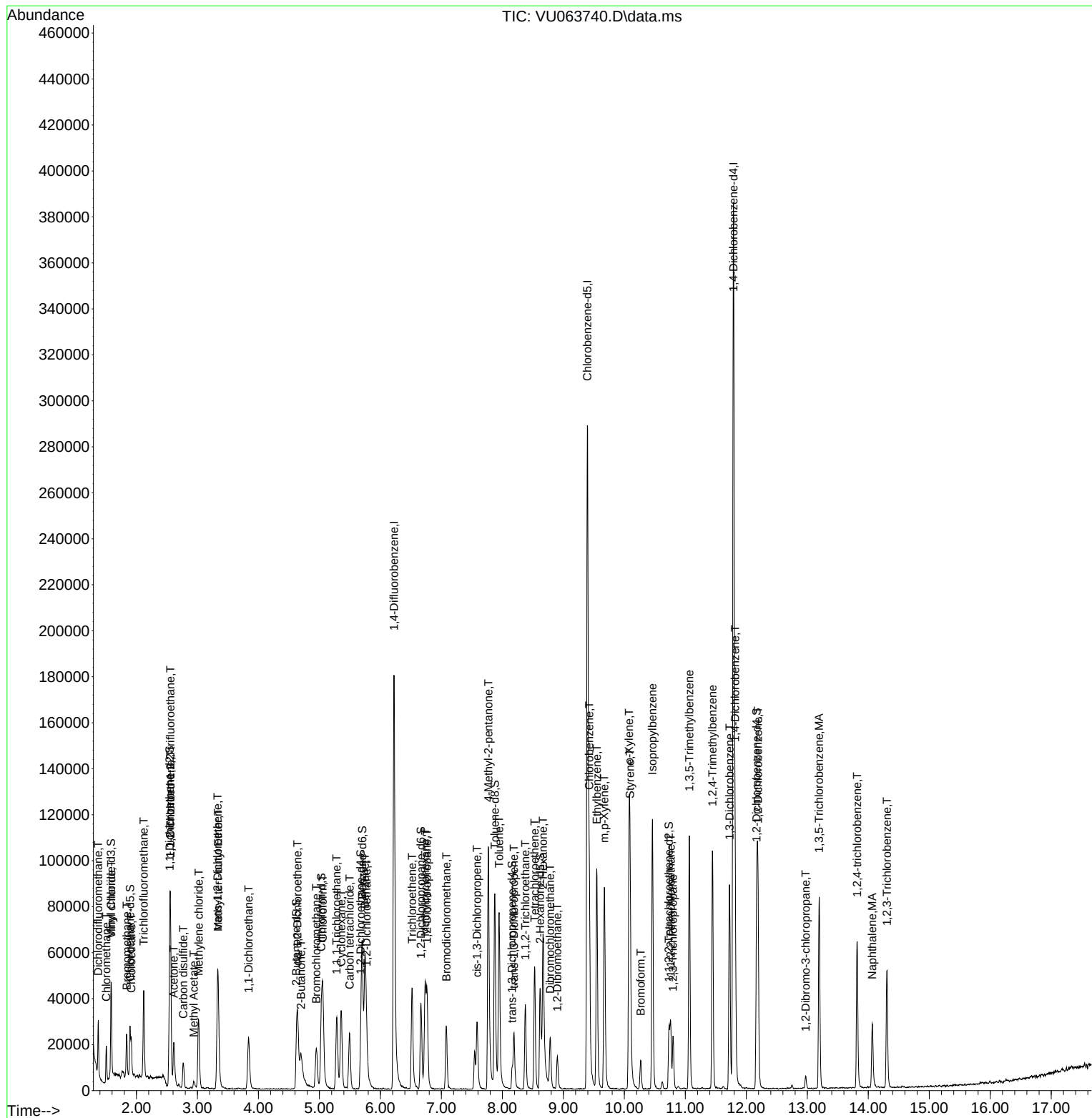
45) 1,1,2-Trichloroethane	8.377	97	11797	1.157	ug/L	96
47) Tetrachloroethene	8.528	164	12017	1.081	ug/L	94
48) 2-Hexanone	8.666	43	48444	8.487	ug/L	99
49) Dibromochloromethane	8.782	129	10994	1.144	ug/L	100
50) 1,2-Dibromoethane	8.901	107	10176	1.139	ug/L	99
51) Chlorobenzene	9.422	112	46762	1.233	ug/L	96
52) Ethylbenzene	9.547	91	73219	1.133	ug/L	98
53) m,p-Xylene	9.672	106	27554	1.145	ug/L	95
54) o-Xylene	10.078	106	27375	1.168	ug/L	90
55) Styrene	10.094	104	43220	1.116	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.759	83	13773	1.135	ug/L	99
59) Bromoform	10.267	173	5629	0.965	ug/L #	96
60) Isopropylbenzene	10.460	105	78425	1.031	ug/L	99
61) 1,2,3-Trichloropropane	10.798	75	9447	0.922	ug/L	97
62) 1,3,5-Trimethylbenzene	11.065	105	62317	1.004	ug/L	100
63) 1,2,4-Trimethylbenzene	11.444	105	58692	0.987	ug/L	97
64) 1,3-Dichlorobenzene	11.724	146	36937	1.083	ug/L	99
65) 1,4-Dichlorobenzene	11.814	146	36842	1.067	ug/L	95
67) 1,2-Dichlorobenzene	12.190	146	32380	1.019	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.971	75	1760	1.097	ug/L	89
69) 1,3,5-Trichlorobenzene	13.193	180	25584	0.998	ug/L	98
70) 1,2,4-trichlorobenzene	13.817	180	19543	0.989	ug/L	97
71) Naphthalene	14.065	128	24991	0.862	ug/L	99
72) 1,2,3-Trichlorobenzene	14.306	180	16253	0.970	ug/L	99

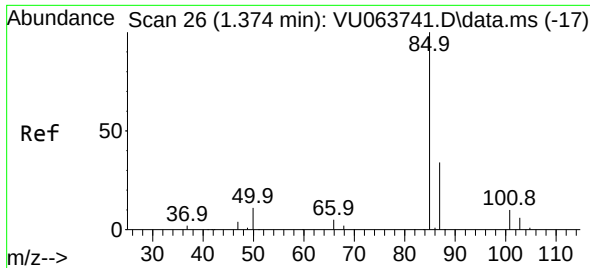
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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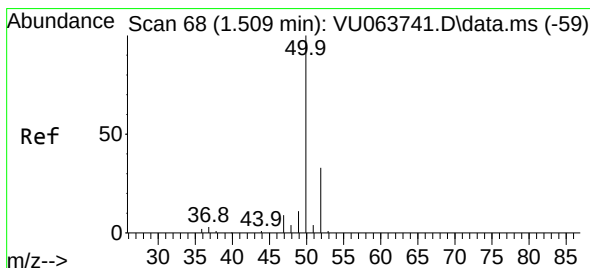
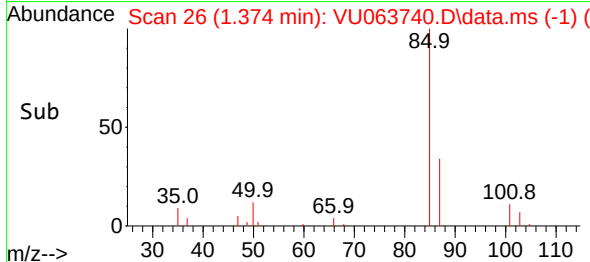
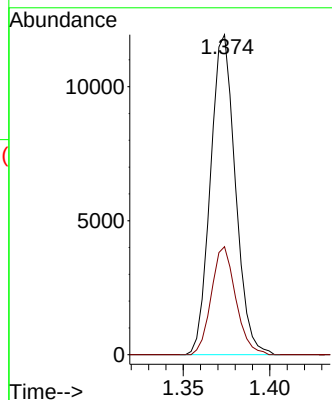
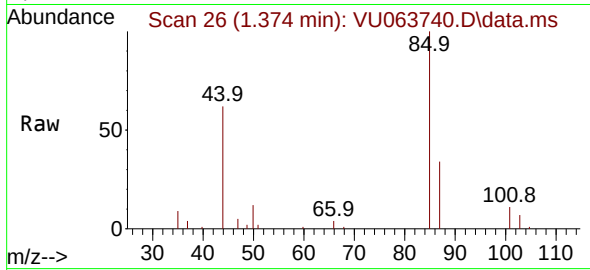




#2
 Dichlorodifluoromethane
 Concen: 0.938 ug/L
 RT: 1.374 min Scan# 2
 Delta R.T. 0.000 min
 Lab File: VU063740.D
 Acq: 19 Nov 2025 10:37

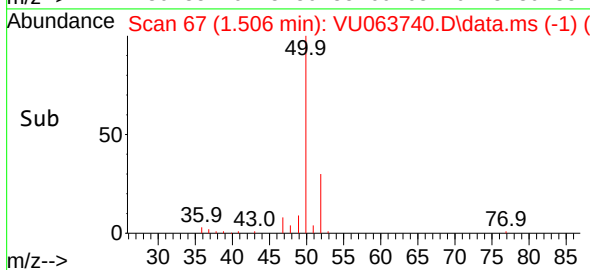
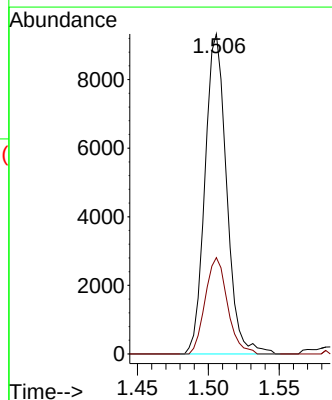
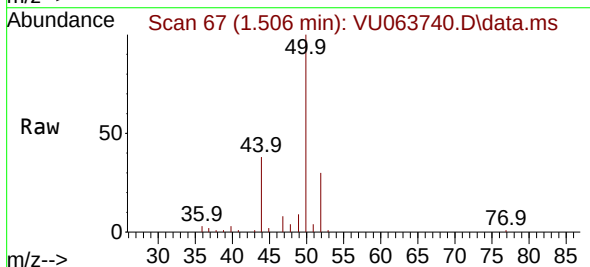
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001028

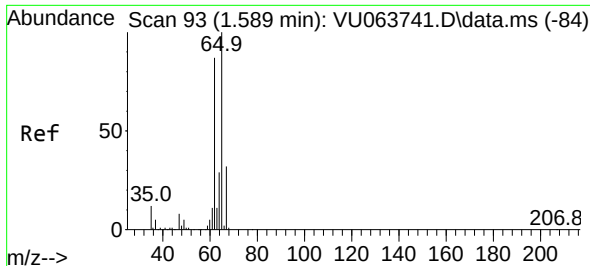
Tgt Ion: 85 Resp: 11948
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.4 39.6



#3
 Chloromethane
 Concen: 0.749 ug/L
 RT: 1.506 min Scan# 67
 Delta R.T. -0.003 min
 Lab File: VU063740.D
 Acq: 19 Nov 2025 10:37

Tgt Ion: 50 Resp: 9880
 Ion Ratio Lower Upper
 50 100
 52 30.1 22.7 42.3

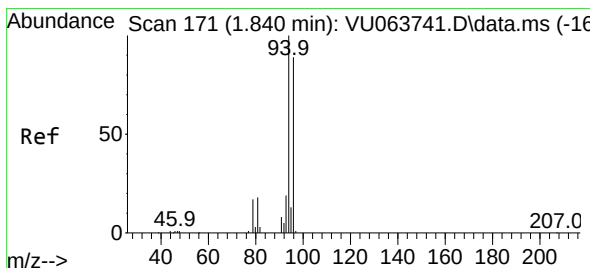
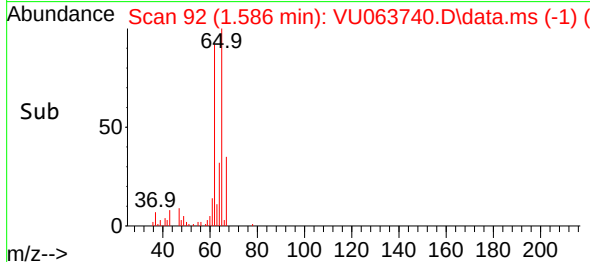
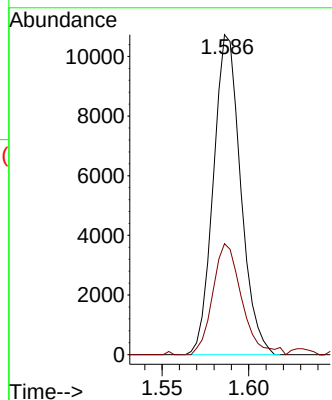
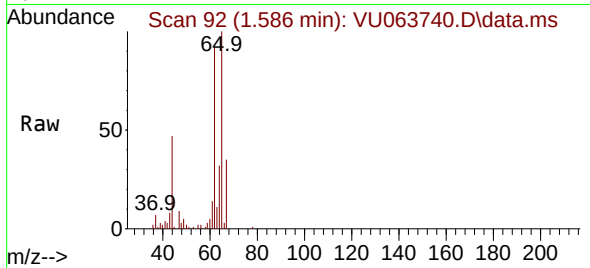




#5
 Vinyl chloride
 Concen: 0.811 ug/L
 RT: 1.586 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU063740.D
 Acq: 19 Nov 2025 10:37

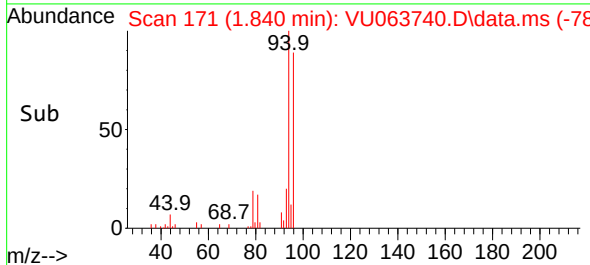
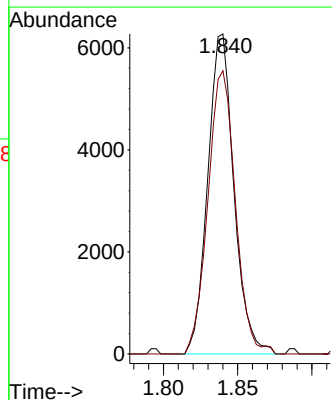
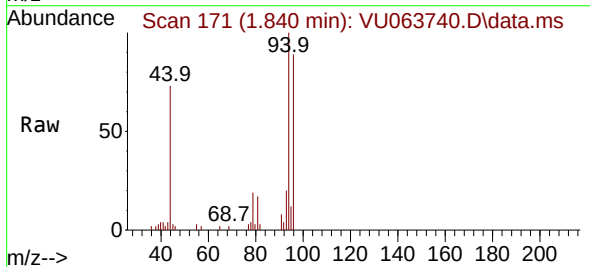
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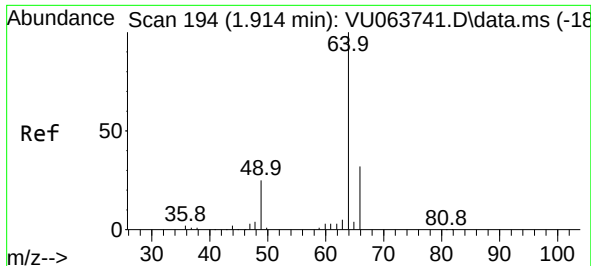
Tgt Ion: 62 Resp: 11760
 Ion Ratio Lower Upper
 62 100
 64 34.7 23.5 43.7



#6
 Bromomethane
 Concen: 0.883 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. 0.000 min
 Lab File: VU063740.D
 Acq: 19 Nov 2025 10:37

Tgt Ion: 94 Resp: 7708
 Ion Ratio Lower Upper
 94 100
 96 88.5 62.1 115.3

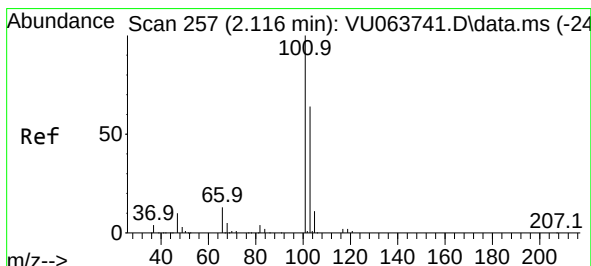
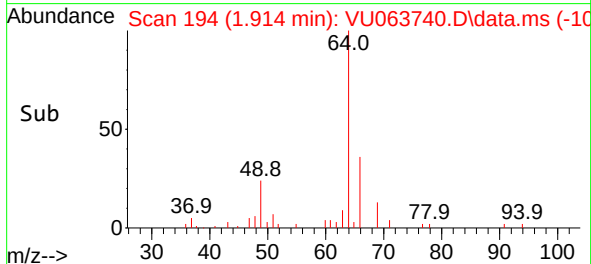
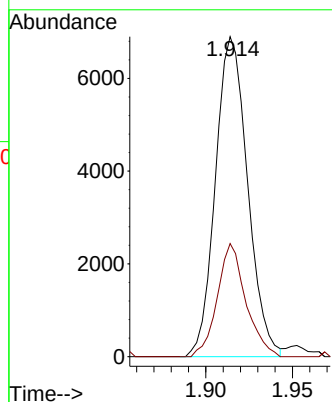
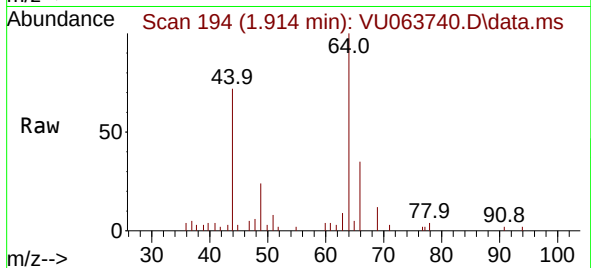




#8
Chloroethane
Concen: 0.963 ug/L
RT: 1.914 min Scan# 194
Delta R.T. 0.000 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

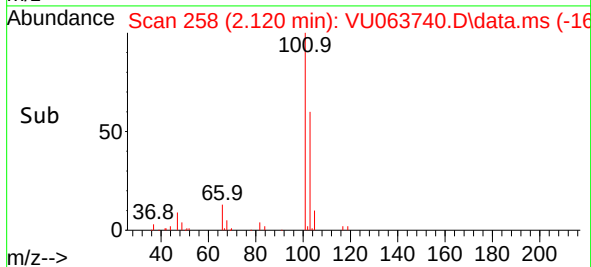
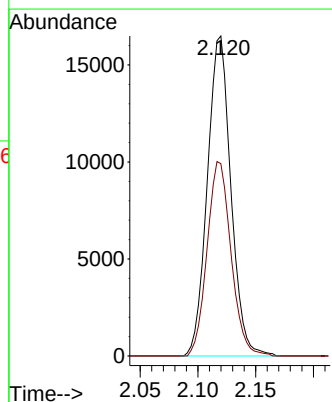
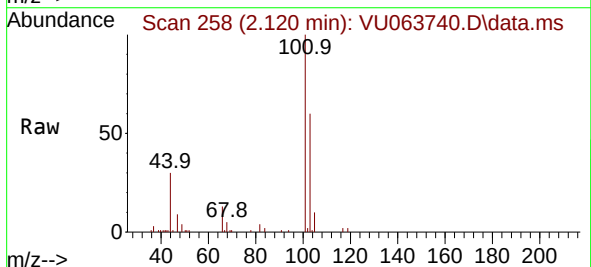
Instrument :
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ClientSampleId :
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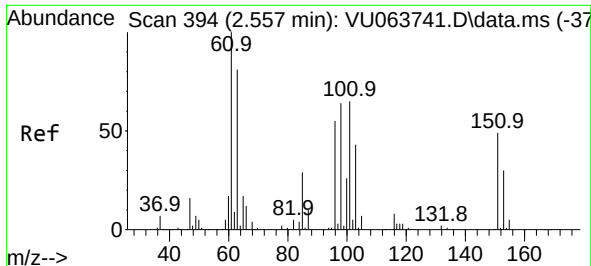
Tgt Ion: 64 Resp: 8910
Ion Ratio Lower Upper
64 100
66 35.4 22.6 42.0



#9
Trichlorofluoromethane
Concen: 1.139 ug/L
RT: 2.120 min Scan# 258
Delta R.T. 0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 101 Resp: 23414
Ion Ratio Lower Upper
101 100
103 61.7 51.0 76.4

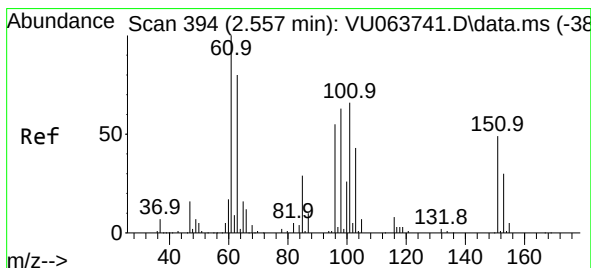
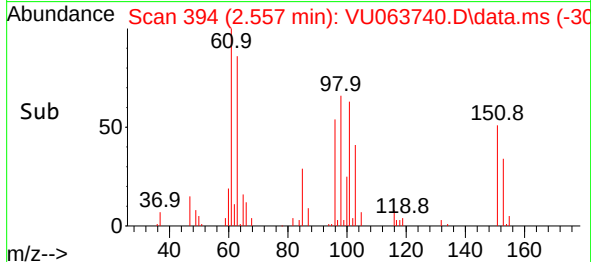
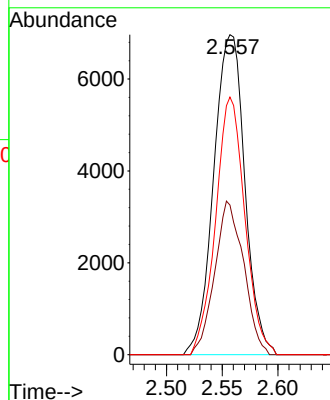
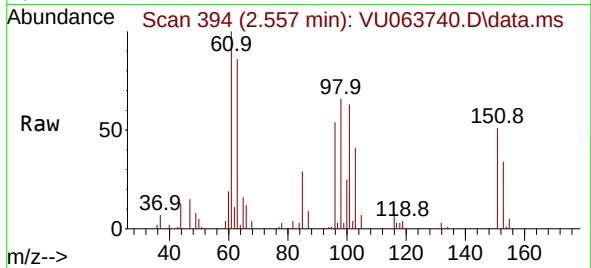




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.140 ug/L
 RT: 2.557 min Scan# 394
 Delta R.T. 0.000 min
 Lab File: VU063740.D
 Acq: 19 Nov 2025 10:37

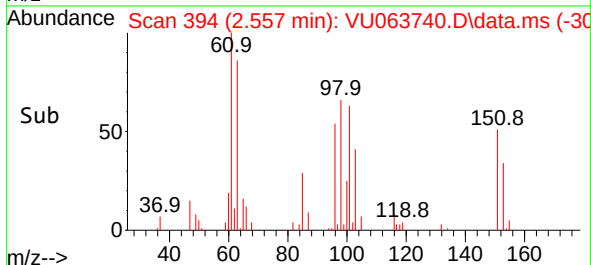
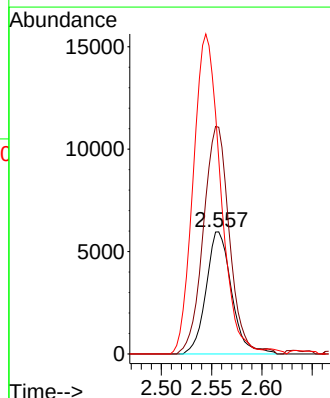
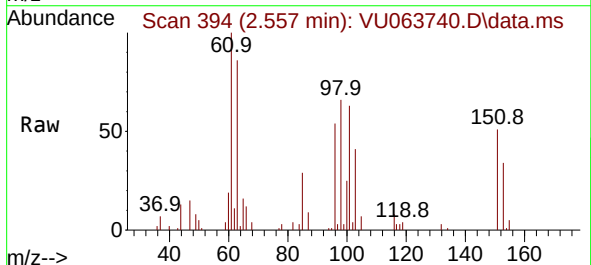
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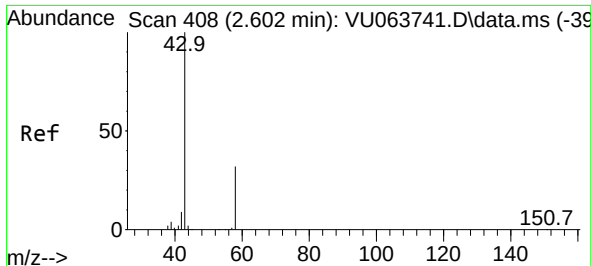
Tgt Ion: 101 Resp: 13560
 Ion Ratio Lower Upper
 101 100
 85 44.6 35.7 53.5
 151 75.5 58.1 87.1



#12
 1,1-Dichloroethene
 Concen: 0.987 ug/L
 RT: 2.557 min Scan# 394
 Delta R.T. 0.000 min
 Lab File: VU063740.D
 Acq: 19 Nov 2025 10:37

Tgt Ion: 96 Resp: 10487
 Ion Ratio Lower Upper
 96 100
 61 185.7 126.6 235.2
 63 159.5 104.2 193.4





#13

Acetone

Concen: 11.029 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.010 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

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ClientSampleId :

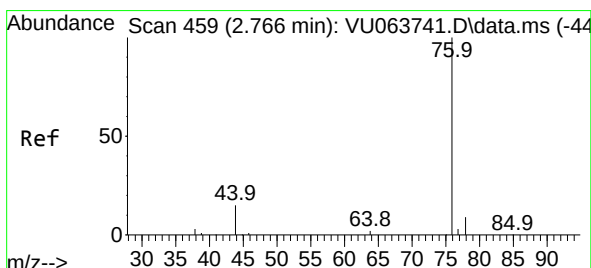
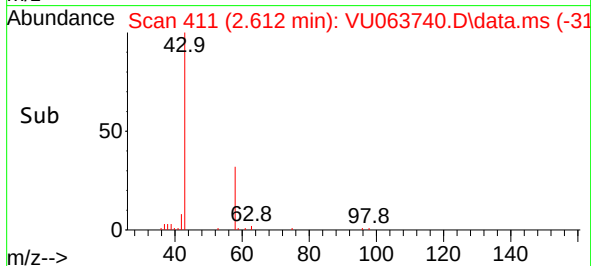
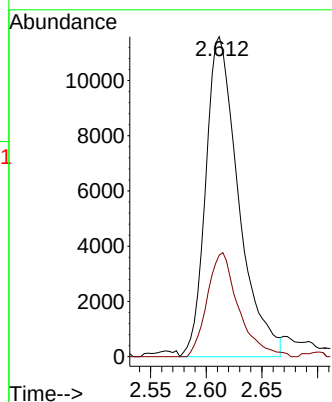
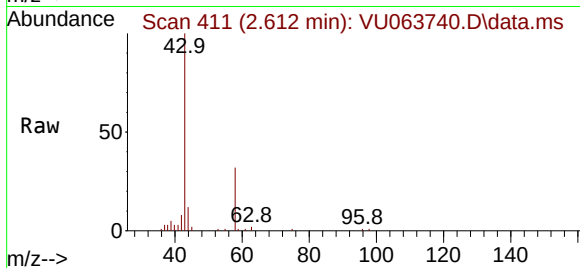
VSTD001028

Tgt Ion: 43 Resp: 23772

Ion Ratio Lower Upper

43 100

58 31.0 0.0 64.8



#14

Carbon disulfide

Concen: 0.589 ug/L

RT: 2.766 min Scan# 459

Delta R.T. 0.000 min

Lab File: VU063740.D

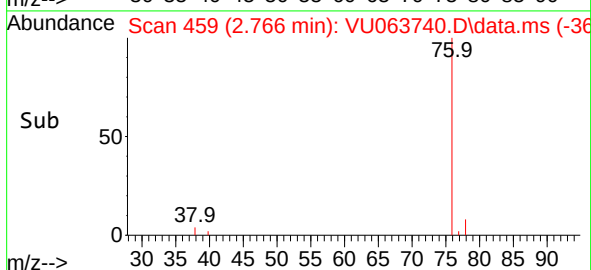
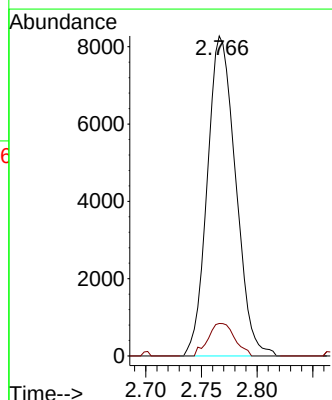
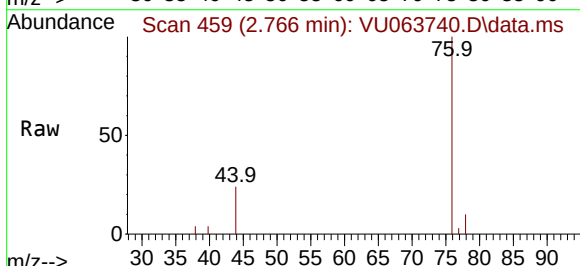
Acq: 19 Nov 2025 10:37

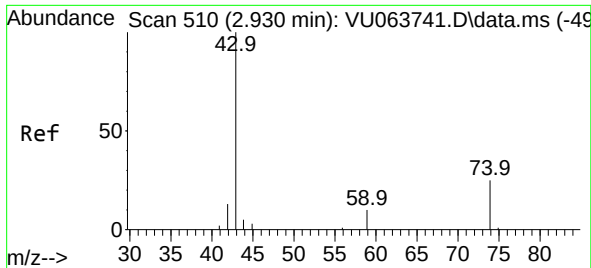
Tgt Ion: 76 Resp: 14649

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.2

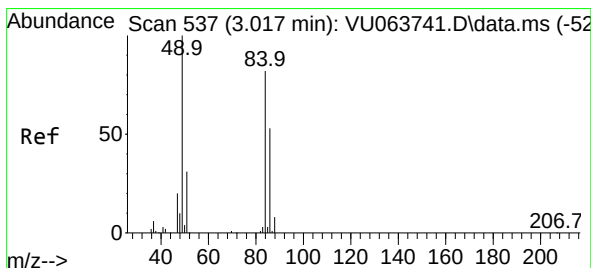
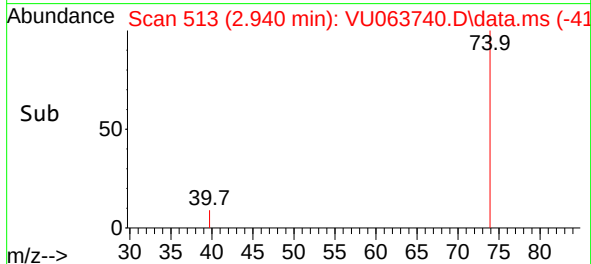
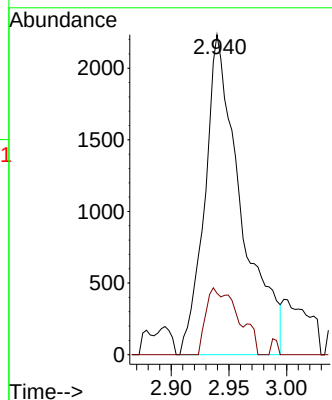
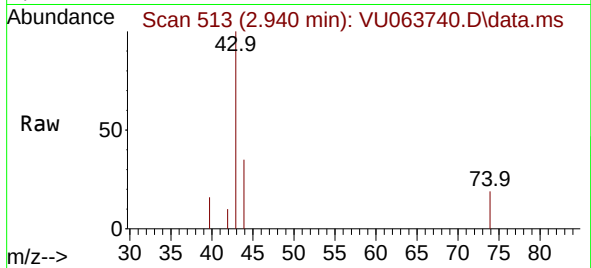




#15
Methyl Acetate
Concen: 1.043 ug/L
RT: 2.940 min Scan# 510
Delta R.T. 0.010 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

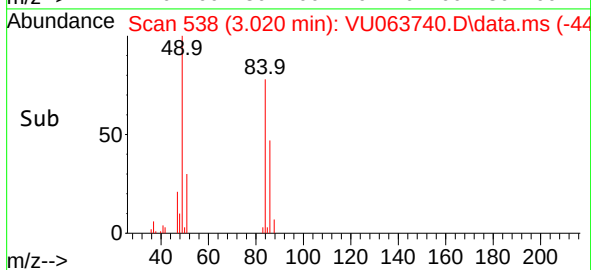
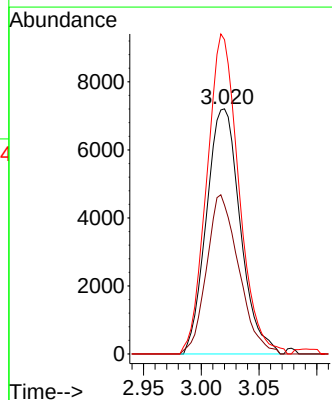
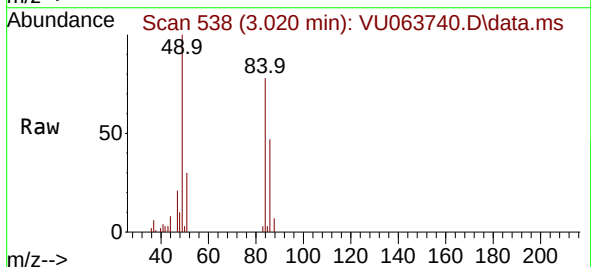
Instrument :
MSVOA_U
ClientSampleId :
VSTD001028

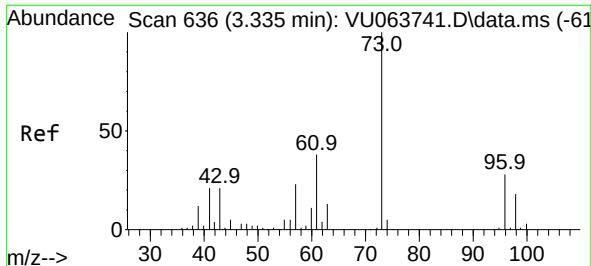
Tgt Ion: 43 Resp: 4877
Ion Ratio Lower Upper
43 100
74 16.2 21.7 32.5#



#16
Methylene chloride
Concen: 1.168 ug/L
RT: 3.020 min Scan# 538
Delta R.T. 0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 84 Resp: 14680
Ion Ratio Lower Upper
84 100
86 60.7 45.1 83.9
49 128.2 85.2 158.2





#17

Methyl tert-butyl Ether

Concen: 1.215 ug/L

RT: 3.338 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD001028

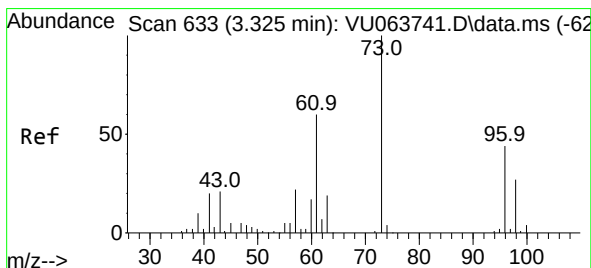
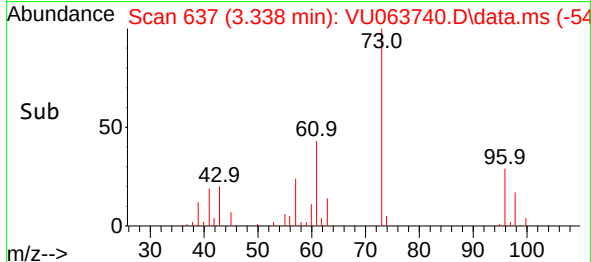
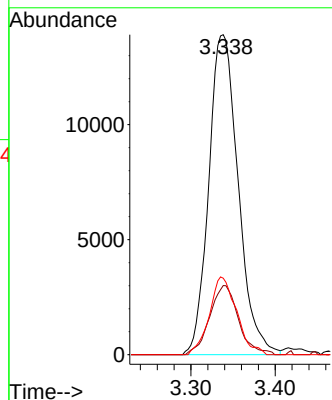
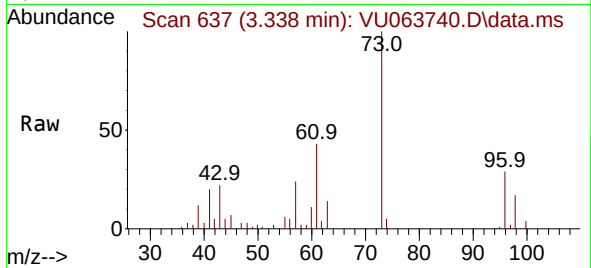
Tgt Ion: 73 Resp: 33781

Ion Ratio Lower Upper

73 100

43 21.1 17.0 25.4

57 22.5 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 1.030 ug/L

RT: 3.329 min Scan# 634

Delta R.T. 0.003 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

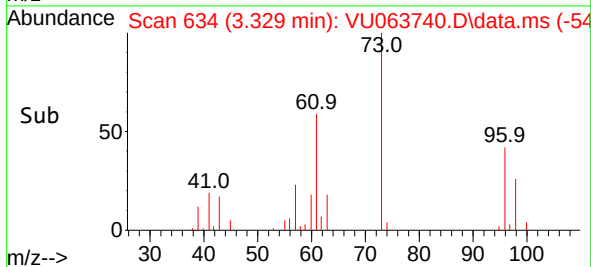
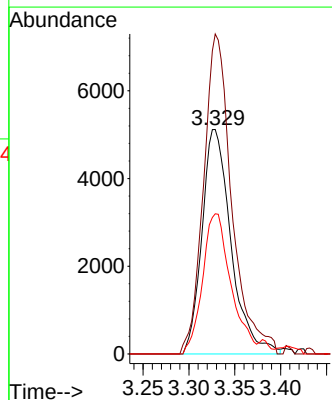
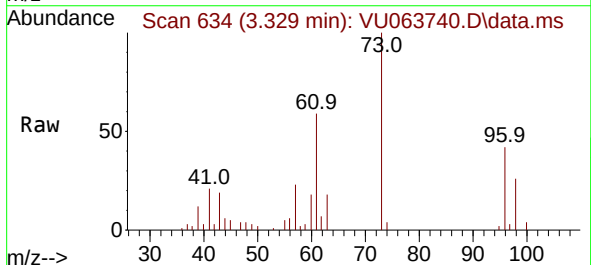
Tgt Ion: 96 Resp: 11268

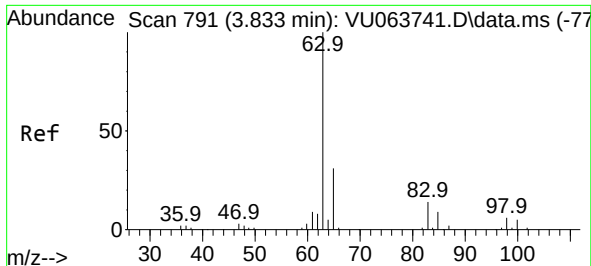
Ion Ratio Lower Upper

96 100

61 142.6 95.8 178.0

98 62.5 43.2 80.2





#19

1,1-Dichloroethane

Concen: 1.167 ug/L

RT: 3.837 min Scan# 791

Delta R.T. 0.003 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD001028

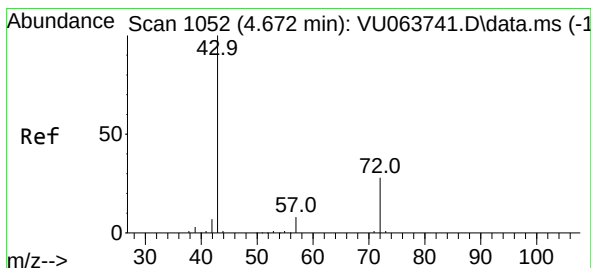
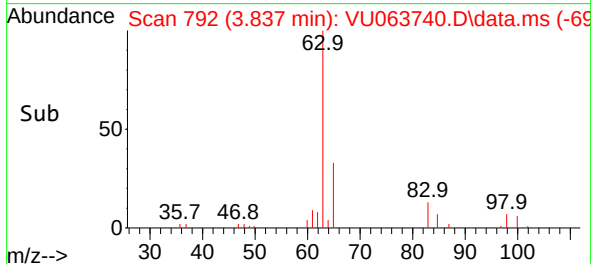
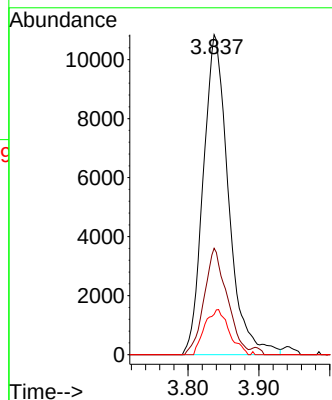
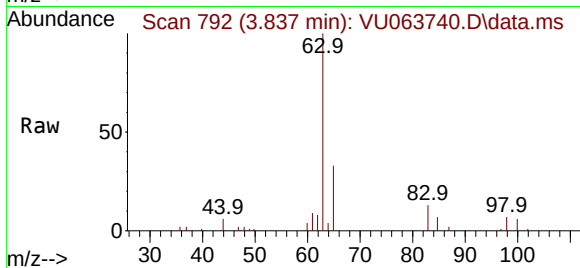
Tgt Ion: 63 Resp: 26780

Ion Ratio Lower Upper

63 100

65 33.2 22.0 40.8

83 12.6 9.9 18.3



#21

2-Butanone

Concen: 8.586 ug/L

RT: 4.698 min Scan# 1060

Delta R.T. 0.026 min

Lab File: VU063740.D

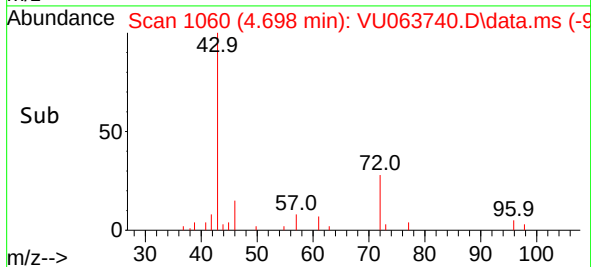
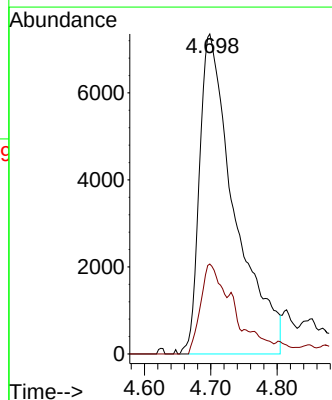
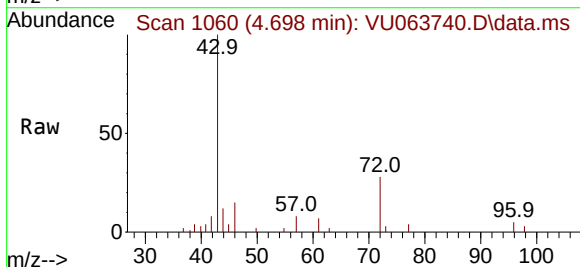
Acq: 19 Nov 2025 10:37

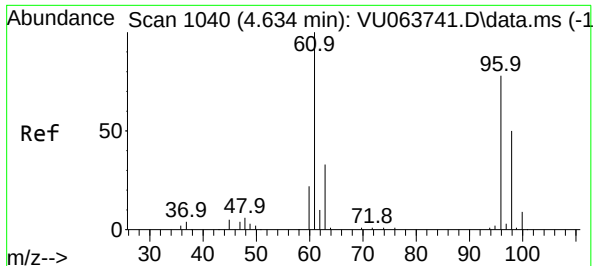
Tgt Ion: 43 Resp: 26953

Ion Ratio Lower Upper

43 100

72 17.4 13.6 40.8

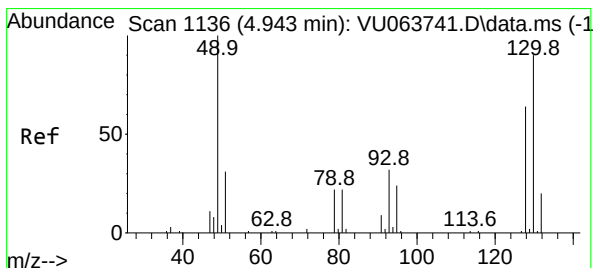
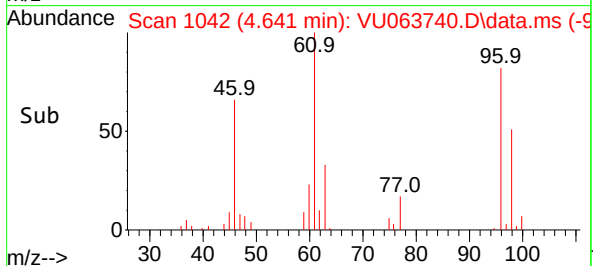
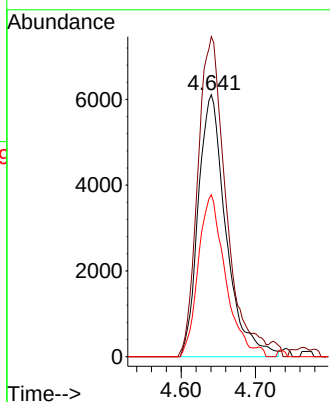
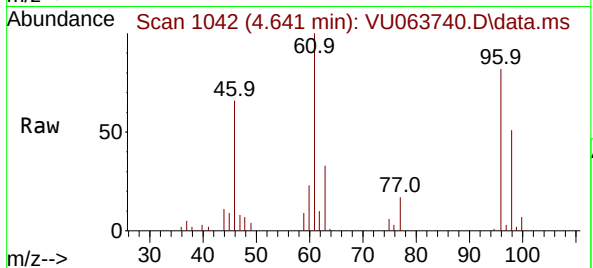




#22
 cis-1,2-Dichloroethene
 Concen: 1.223 ug/L
 RT: 4.641 min Scan# 1042
 Delta R.T. 0.007 min
 Lab File: VU063740.D
 Acq: 19 Nov 2025 10:37

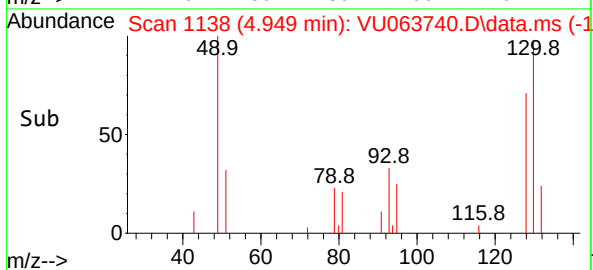
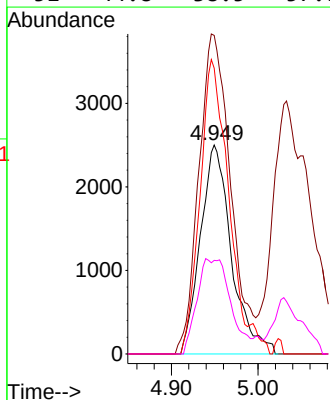
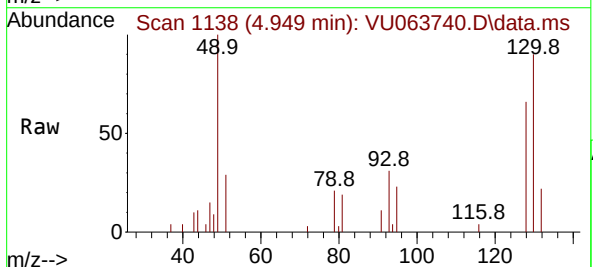
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001028

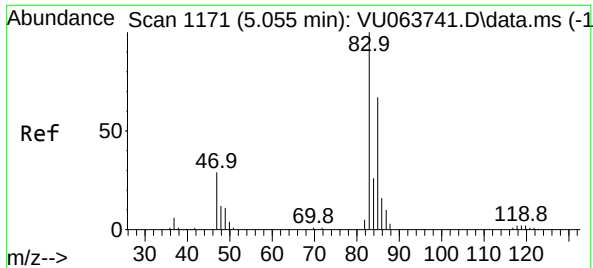
Tgt Ion:	96	Resp:	15851
Ion	Ratio	Lower	Upper
96	100		
61	122.2	89.5	166.1
98	61.8	44.6	82.8



#23
 Bromochloromethane
 Concen: 1.109 ug/L
 RT: 4.949 min Scan# 1138
 Delta R.T. 0.007 min
 Lab File: VU063740.D
 Acq: 19 Nov 2025 10:37

Tgt Ion:	128	Resp:	6227
Ion	Ratio	Lower	Upper
128	100		
49	152.4	110.0	204.4
130	136.7	98.9	183.7
51	44.8	38.5	57.7

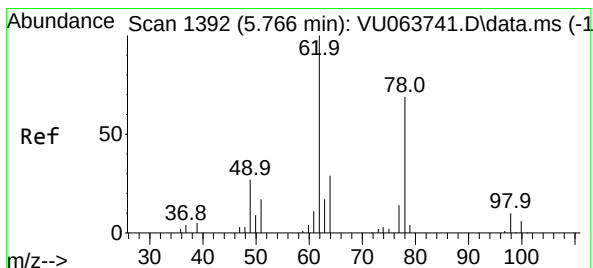
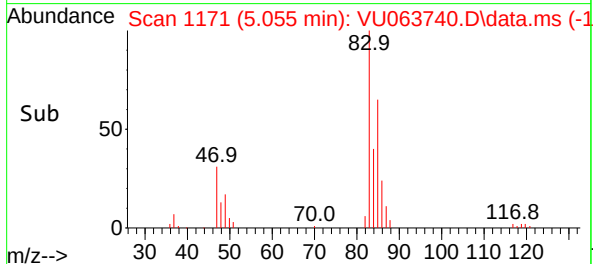
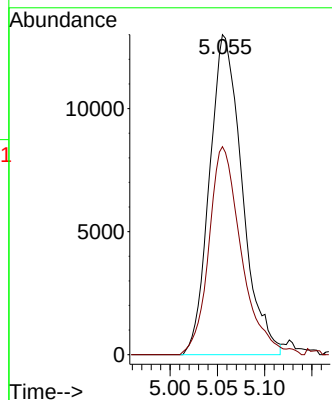
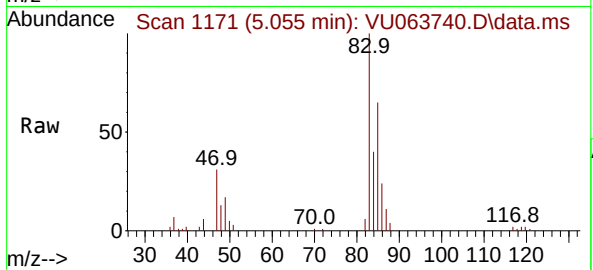




#25
Chloroform
Concen: 1.289 ug/L
RT: 5.055 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

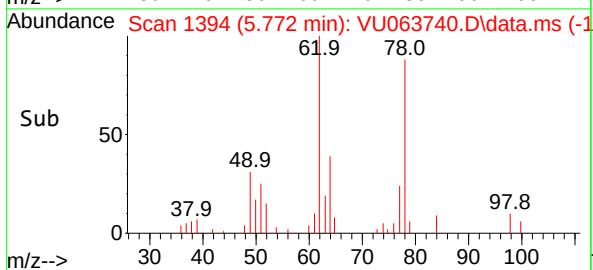
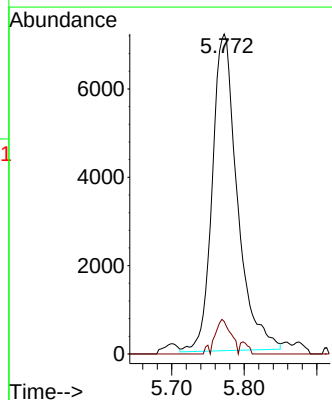
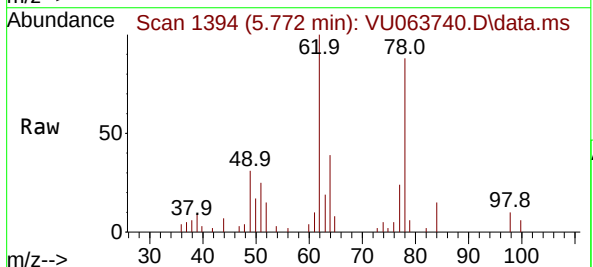
Instrument :
MSVOA_U
ClientSampleId :
VSTD001028

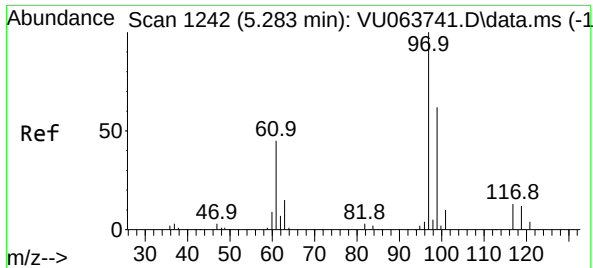
Tgt Ion: 83 Resp: 31244
Ion Ratio Lower Upper
83 100
85 65.0 47.3 87.9



#27
1,2-Dichloroethane
Concen: 1.101 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.007 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 62 Resp: 17243
Ion Ratio Lower Upper
62 100
98 10.1 7.6 11.4

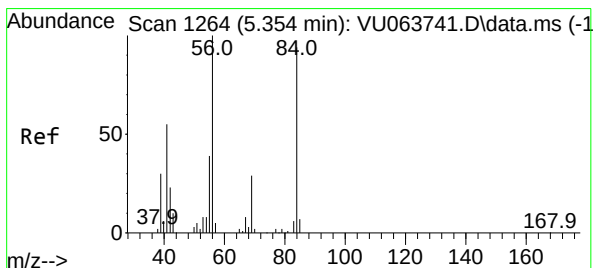
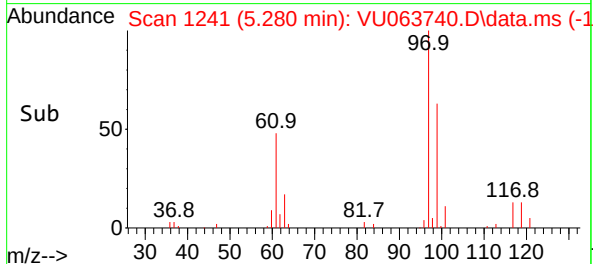
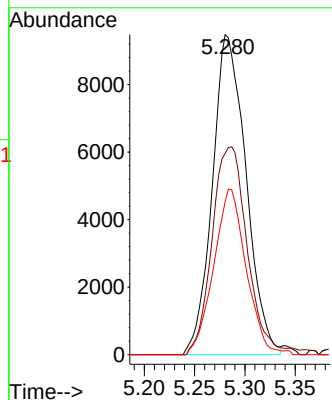
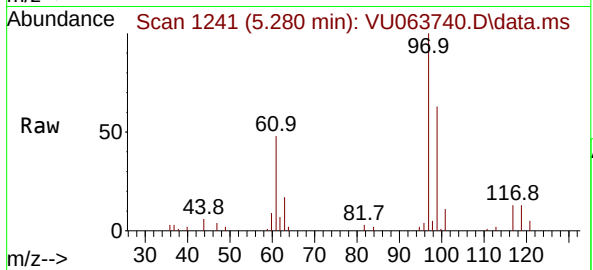




#29
1,1,1-Trichloroethane
Concen: 1.094 ug/L
RT: 5.280 min Scan# 1241
Delta R.T. -0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

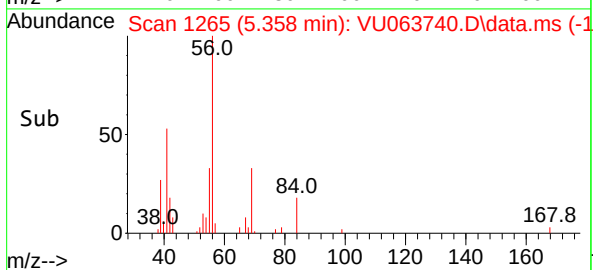
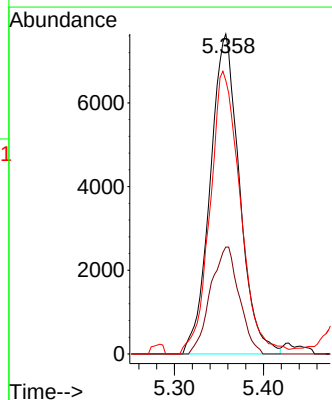
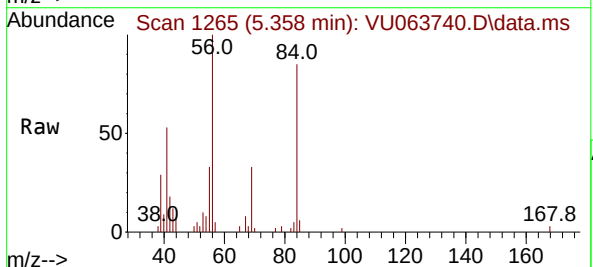
Instrument :
MSVOA_U
ClientSampleId :
VSTD001028

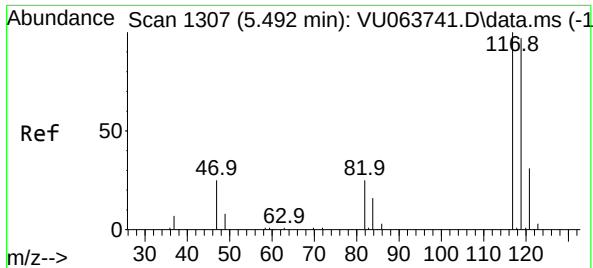
Tgt Ion:	97	Resp:	22015
Ion	Ratio	Lower	Upper
97	100		
99	68.7	51.4	77.2
61	50.1	37.4	56.2



#30
Cyclohexane
Concen: 0.819 ug/L
RT: 5.358 min Scan# 1265
Delta R.T. 0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

Tgt Ion:	56	Resp:	17520
Ion	Ratio	Lower	Upper
56	100		
69	32.6	24.3	36.5
84	91.2	72.0	108.0

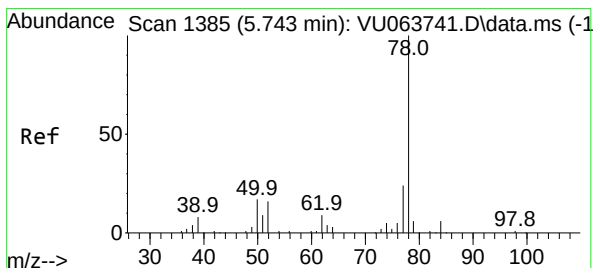
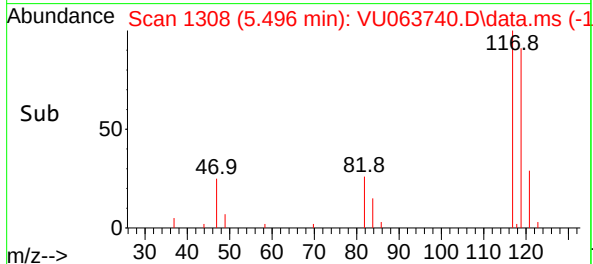
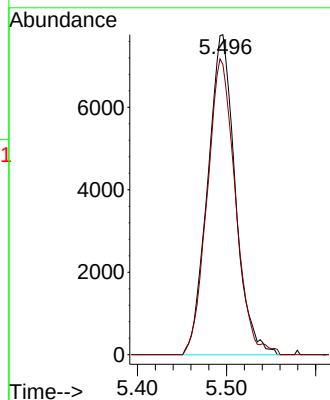
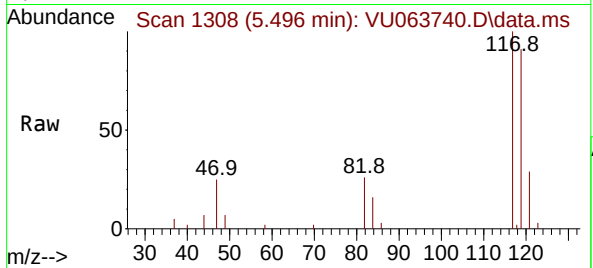




#31
Carbon tetrachloride
Concen: 1.069 ug/L
RT: 5.496 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

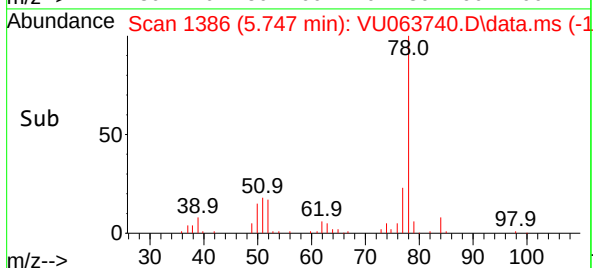
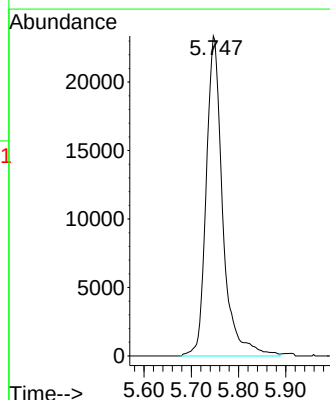
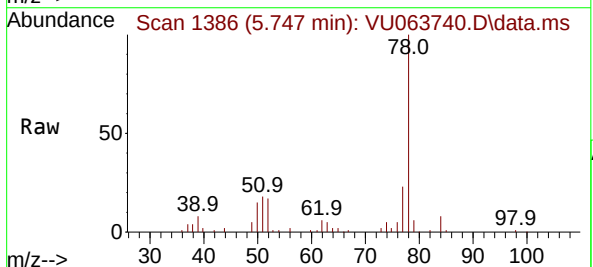
Instrument :
MSVOA_U
ClientSampleId :
VSTD001028

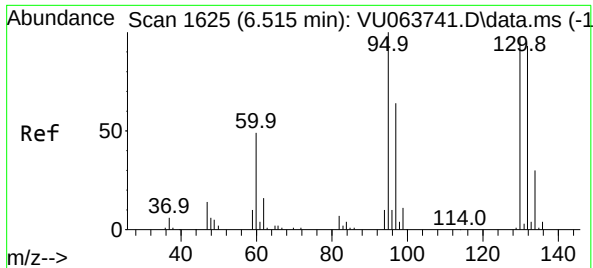
Tgt Ion:117 Resp: 16676
Ion Ratio Lower Upper
117 100
119 94.5 77.0 115.4



#33
Benzene
Concen: 1.082 ug/L
RT: 5.747 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 78 Resp: 56717

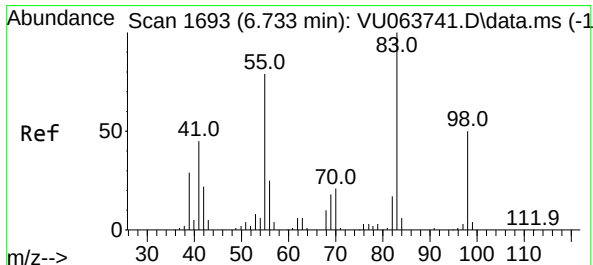
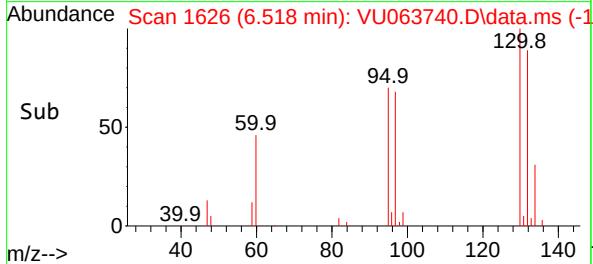
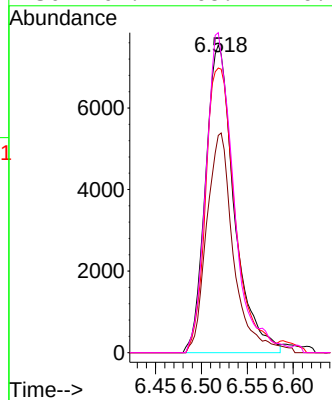
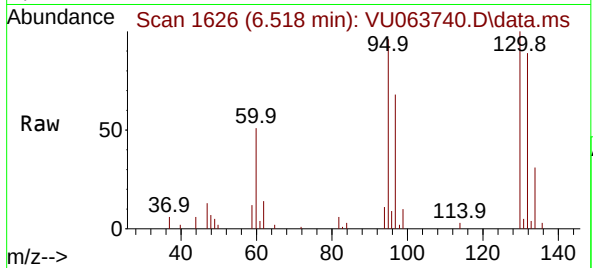




#34
Trichloroethene
Concen: 1.127 ug/L
RT: 6.518 min Scan# 1626
Delta R.T. 0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

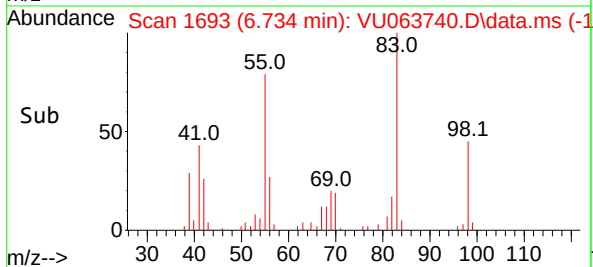
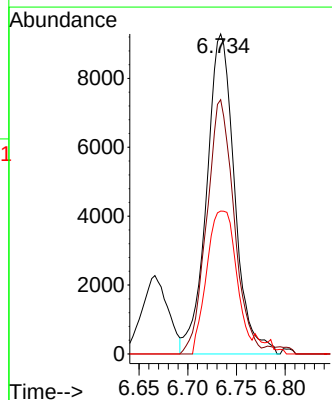
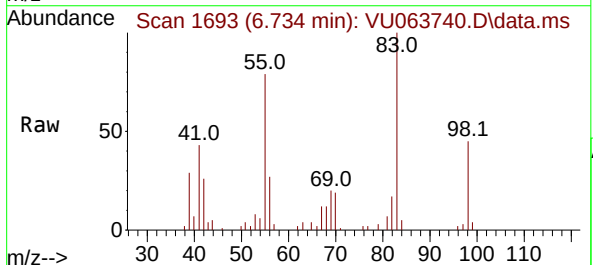
Instrument :
MSVOA_U
ClientSampleId :
VSTD001028

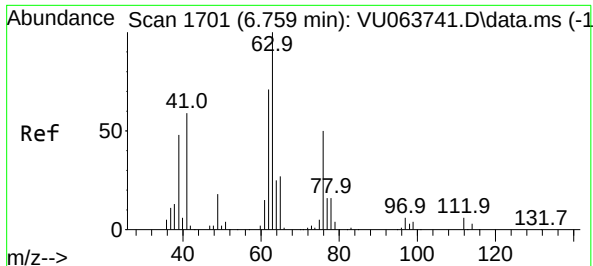
Tgt Ion: 95 Resp: 16401
Ion Ratio Lower Upper
95 100
97 70.7 44.9 83.5
132 92.6 65.4 121.4
130 104.1 68.2 126.6



#35
Methylcyclohexane
Concen: 0.875 ug/L
RT: 6.734 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 83 Resp: 18506
Ion Ratio Lower Upper
83 100
55 77.6 62.5 93.7
98 47.4 40.3 60.5

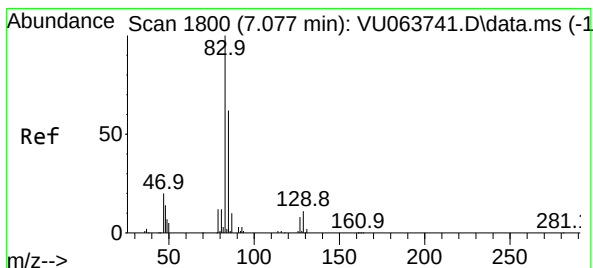
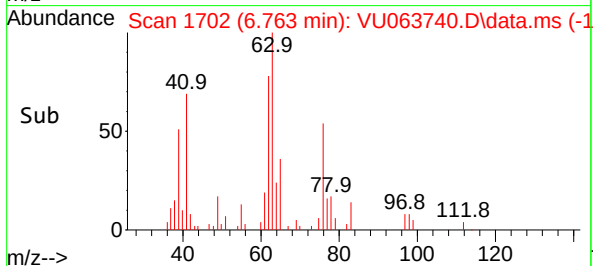
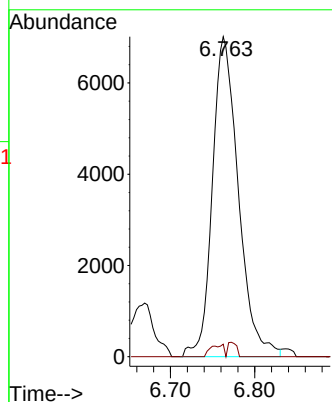
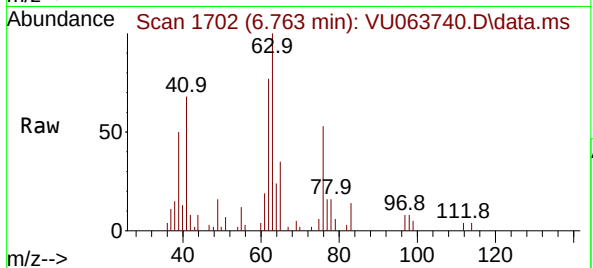




#37
1,2-Dichloropropane
Concen: 1.049 ug/L
RT: 6.763 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

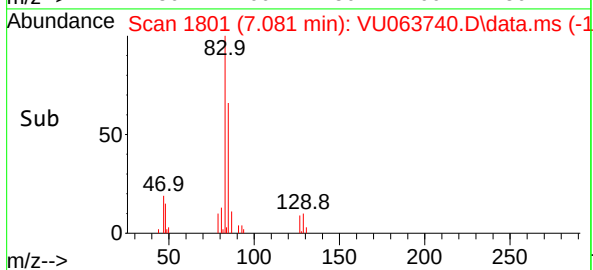
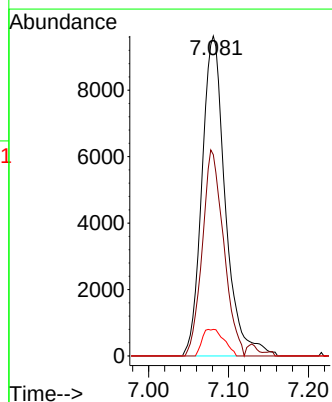
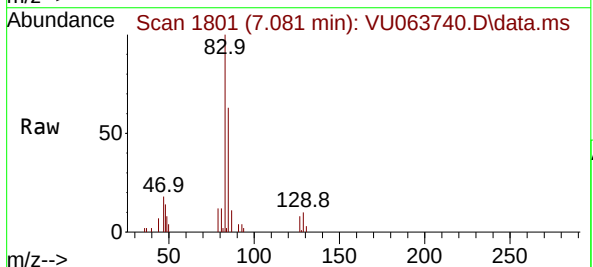
Instrument :
MSVOA_U
ClientSampleId :
VSTD001028

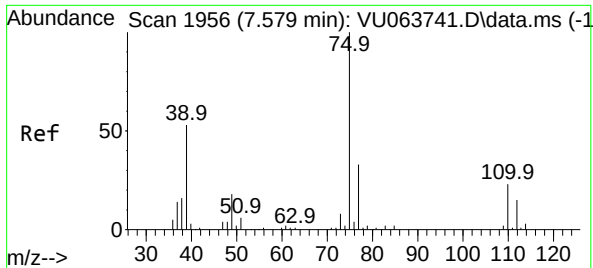
Tgt Ion: 63 Resp: 15013
Ion Ratio Lower Upper
63 100
112 1.9 3.8 5.8#



#38
Bromodichloromethane
Concen: 1.210 ug/L
RT: 7.081 min Scan# 1801
Delta R.T. 0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 83 Resp: 19558
Ion Ratio Lower Upper
83 100
85 62.9 43.7 81.1
127 8.3 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 1.088 ug/L

RT: 7.583 min Scan# 1956

Delta R.T. 0.003 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_U

ClientSampleId :

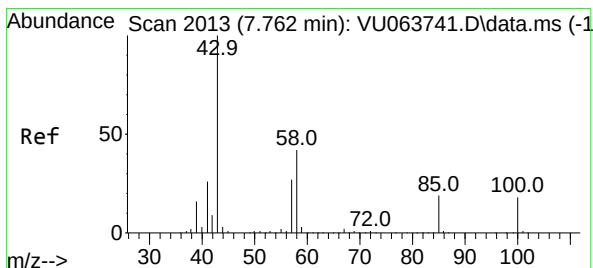
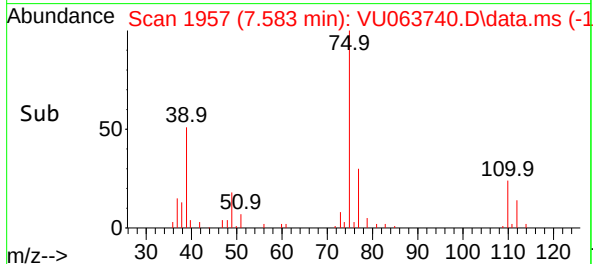
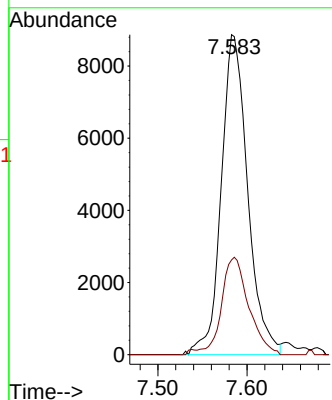
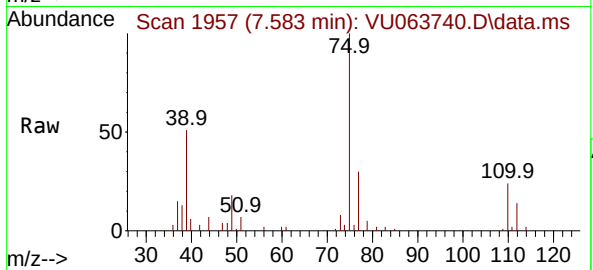
VSTD001028

Tgt Ion: 75 Resp: 18302

Ion Ratio Lower Upper

75 100

77 29.6 23.4 43.4



#40

4-Methyl-2-pentanone

Concen: 9.242 ug/L

RT: 7.769 min Scan# 2015

Delta R.T. 0.007 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

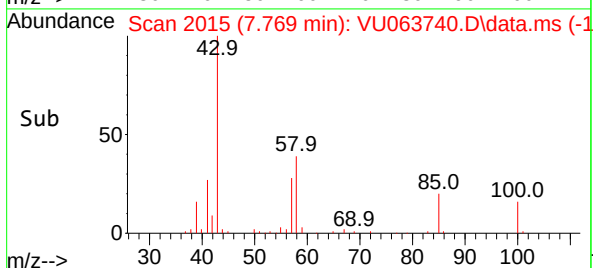
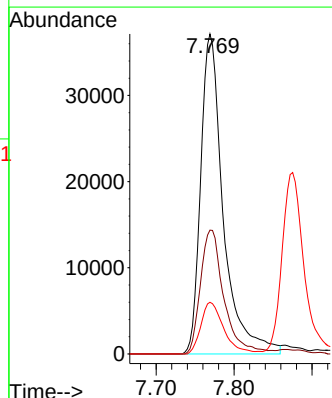
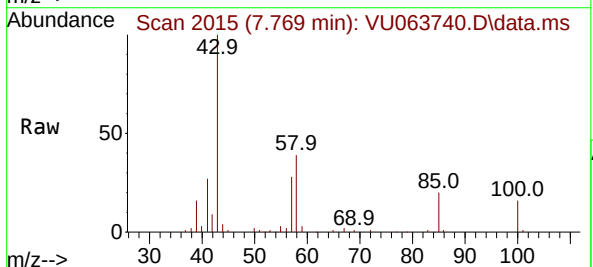
Tgt Ion: 43 Resp: 74931

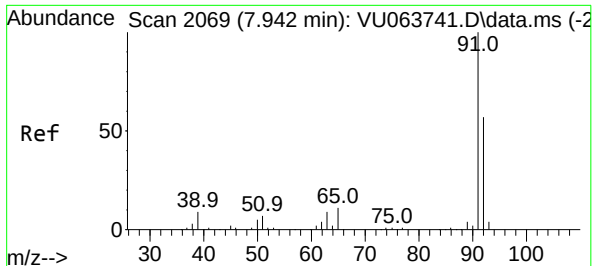
Ion Ratio Lower Upper

43 100

58 40.3 32.6 49.0

100 16.3 13.9 20.9





#42

Toluene

Concen: 1.054 ug/L

RT: 7.946 min Scan# 2069

Delta R.T. 0.003 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_U

ClientSampleId :

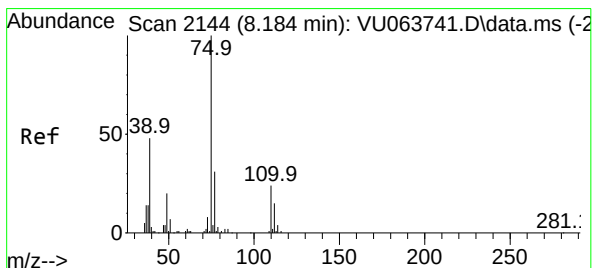
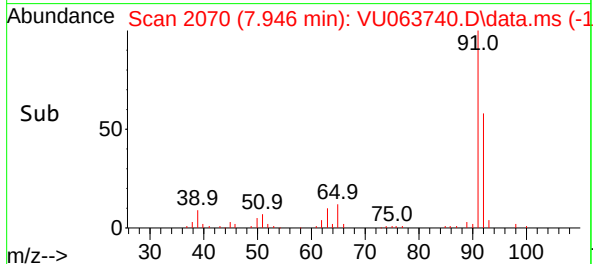
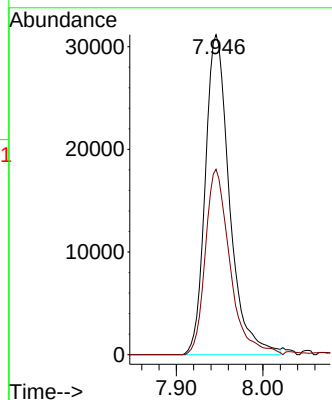
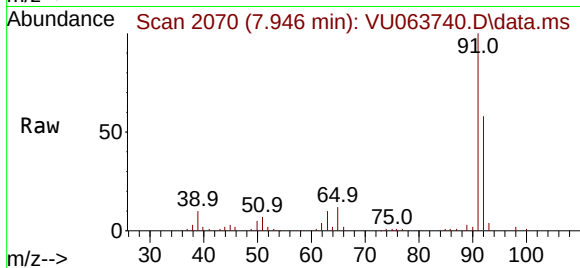
VSTD001028

Tgt Ion: 91 Resp: 60651

Ion Ratio Lower Upper

91 100

92 57.9 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 1.095 ug/L

RT: 8.190 min Scan# 2146

Delta R.T. 0.007 min

Lab File: VU063740.D

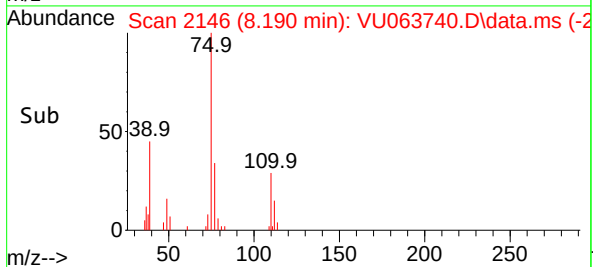
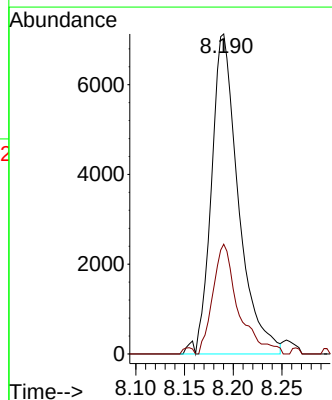
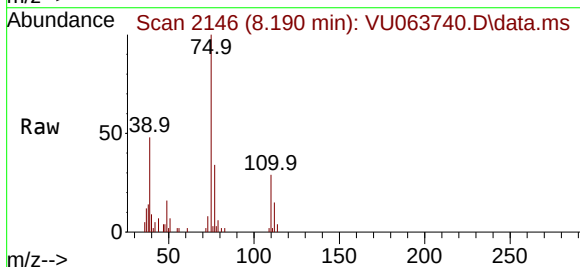
Acq: 19 Nov 2025 10:37

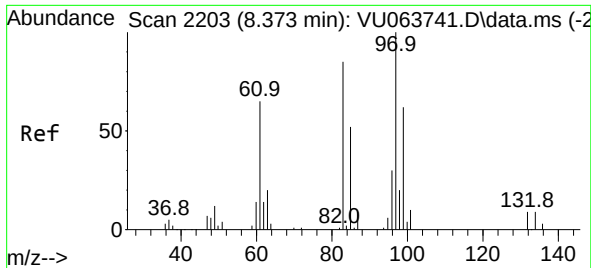
Tgt Ion: 75 Resp: 13755

Ion Ratio Lower Upper

75 100

77 34.3 21.7 40.3

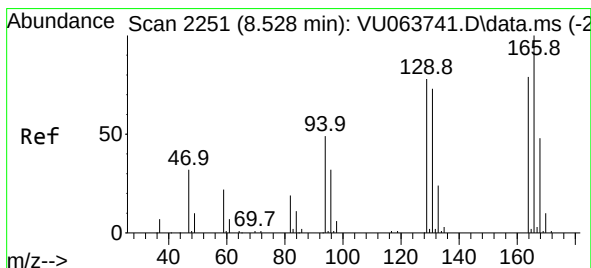
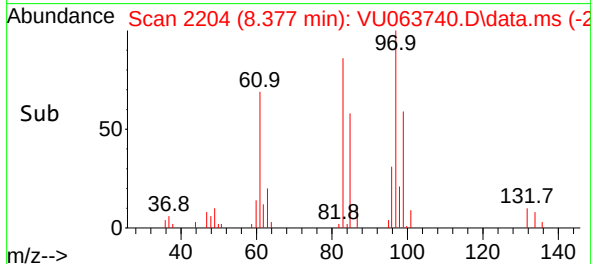
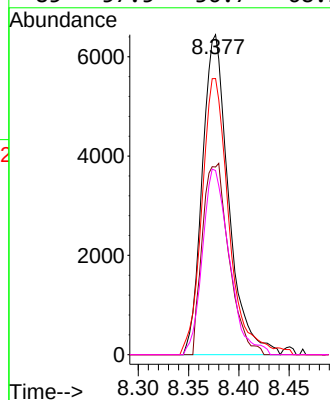
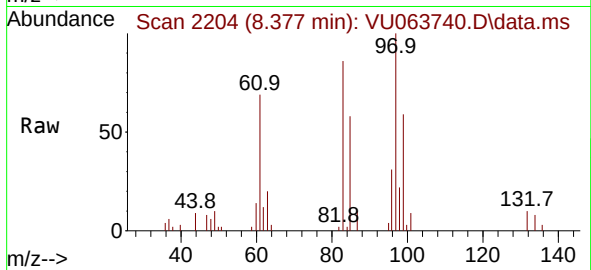




#45
1,1,2-Trichloroethane
Concen: 1.157 ug/L
RT: 8.377 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

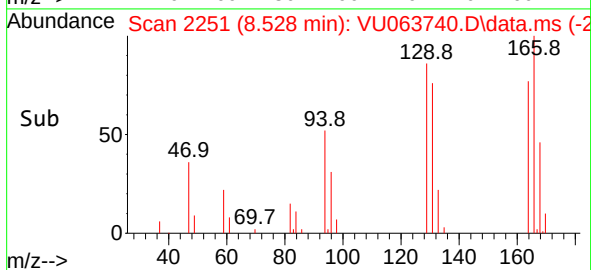
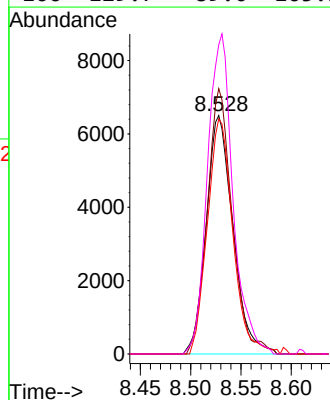
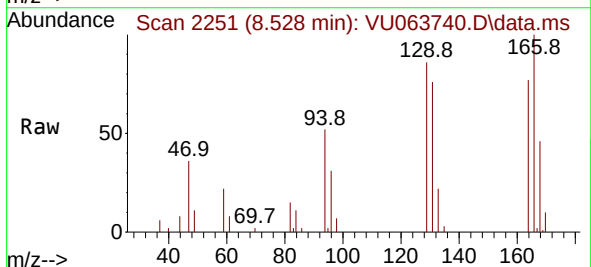
Instrument :
MSVOA_U
ClientSampleId :
VSTD001028

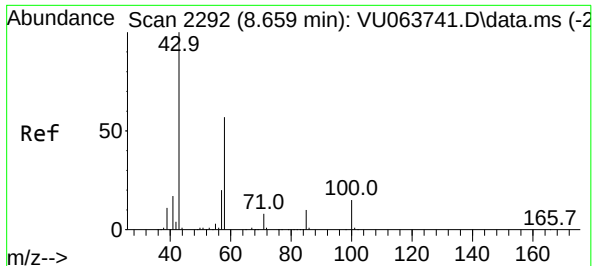
Tgt Ion:	97	Resp:	11797
Ion	Ratio	Lower	Upper
97	100		
99	58.7	43.4	80.6
83	86.3	59.4	110.2
85	57.5	36.7	68.1



#47
Tetrachloroethene
Concen: 1.081 ug/L
RT: 8.528 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

Tgt Ion:	164	Resp:	12017
Ion	Ratio	Lower	Upper
164	100		
129	111.3	69.5	129.1
131	98.6	65.2	121.2
166	129.7	89.0	165.2

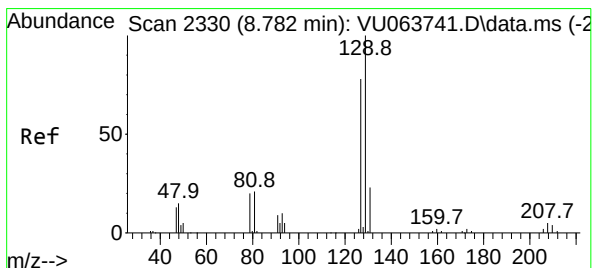
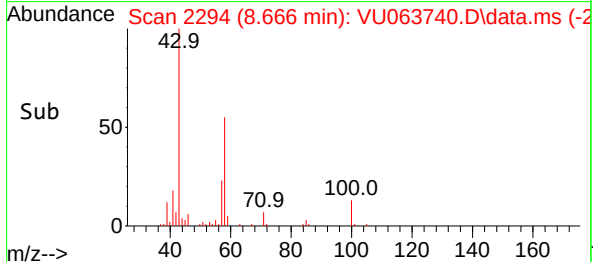
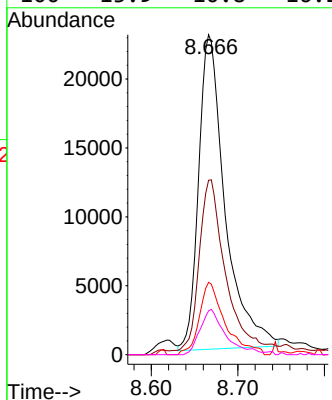
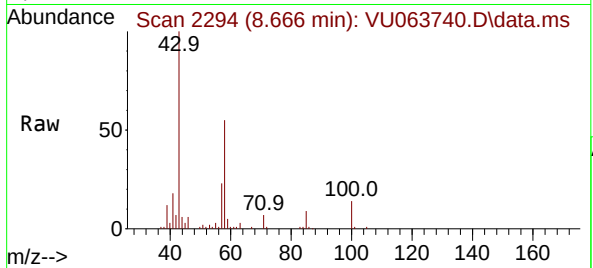




#48
2-Hexanone
Concen: 8.487 ug/L
RT: 8.666 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

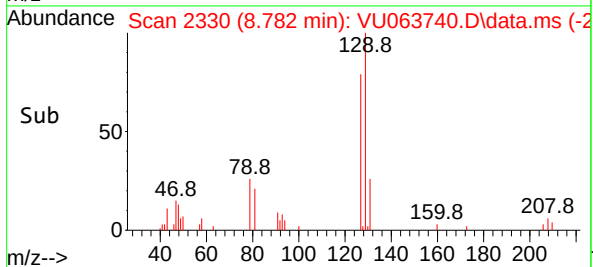
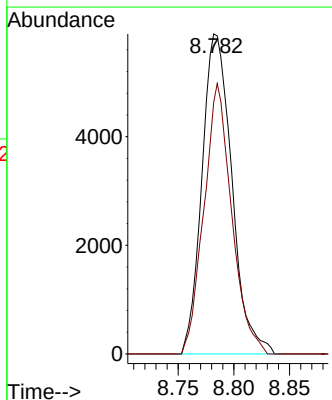
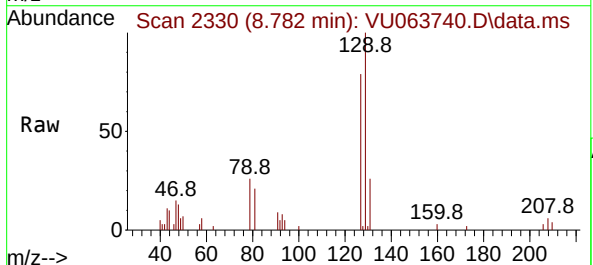
Instrument :
MSVOA_U
ClientSampleId :
VSTD001028

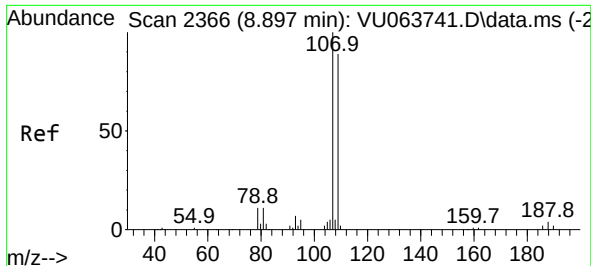
Tgt Ion: 43 Resp: 48444
Ion Ratio Lower Upper
43 100
58 53.9 43.3 64.9
57 22.4 16.2 24.2
100 13.9 10.8 16.2



#49
Dibromochloromethane
Concen: 1.144 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 129 Resp: 10994
Ion Ratio Lower Upper
129 100
127 78.7 54.9 102.1





#50

1,2-Dibromoethane

Concen: 1.139 ug/L

RT: 8.901 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD001028

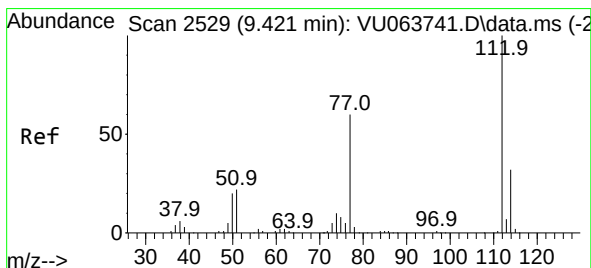
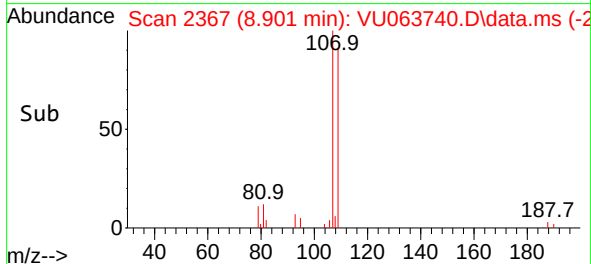
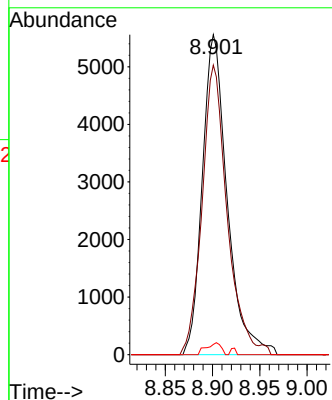
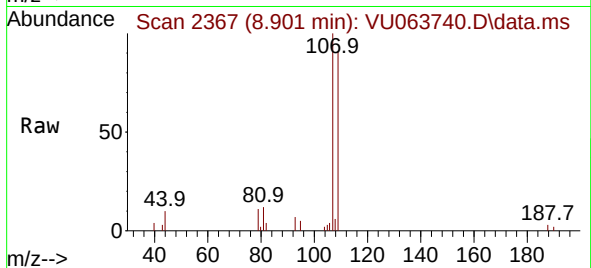
Tgt Ion:107 Resp: 10176

Ion Ratio Lower Upper

107 100

109 90.5 62.6 116.3

188 3.2 2.8 4.2



#51

Chlorobenzene

Concen: 1.233 ug/L

RT: 9.422 min Scan# 2529

Delta R.T. 0.000 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

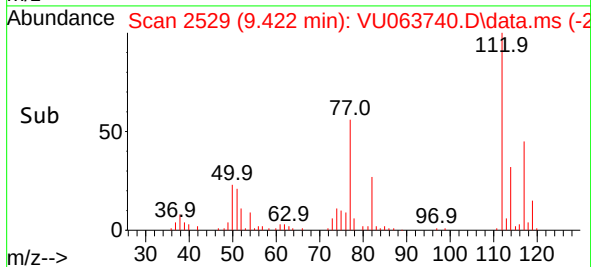
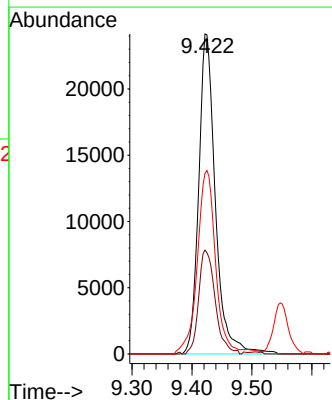
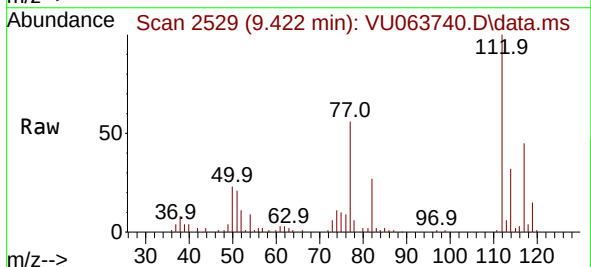
Tgt Ion:112 Resp: 46762

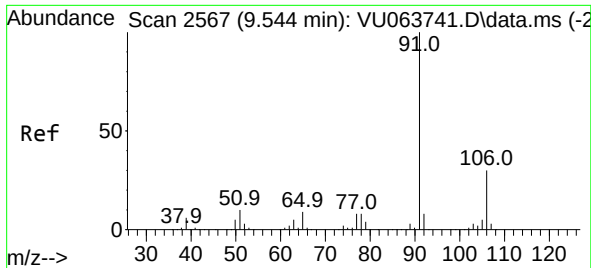
Ion Ratio Lower Upper

112 100

114 32.5 22.4 41.6

77 56.5 48.3 72.5

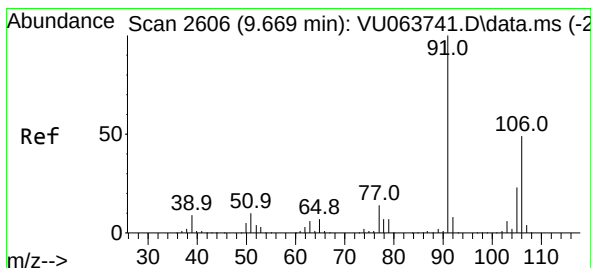
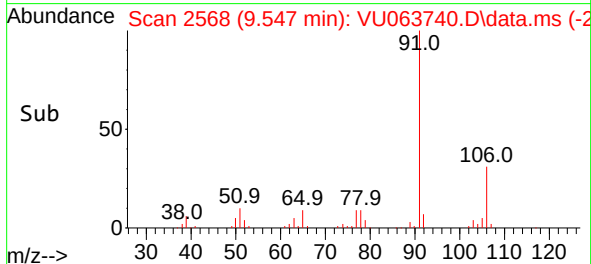
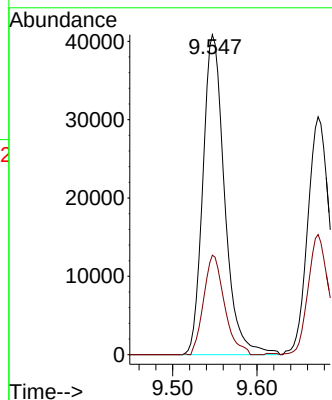
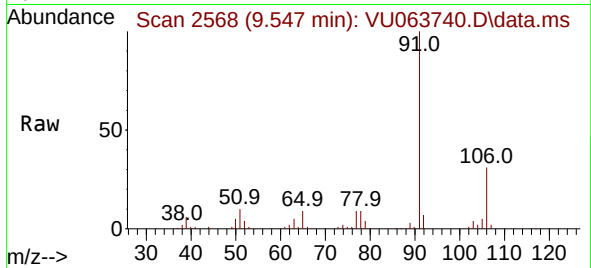




#52
Ethylbenzene
Concen: 1.133 ug/L
RT: 9.547 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

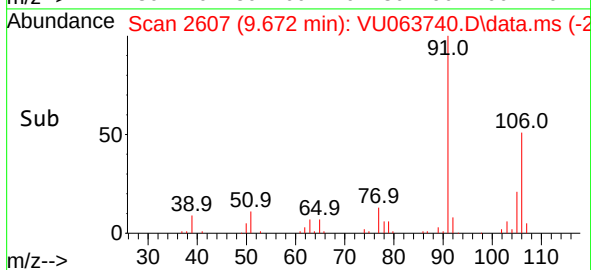
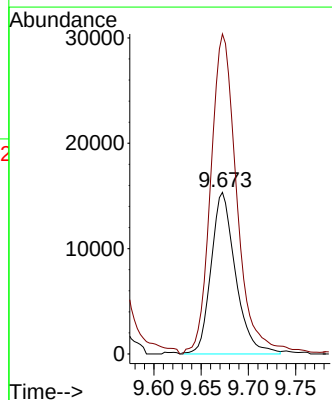
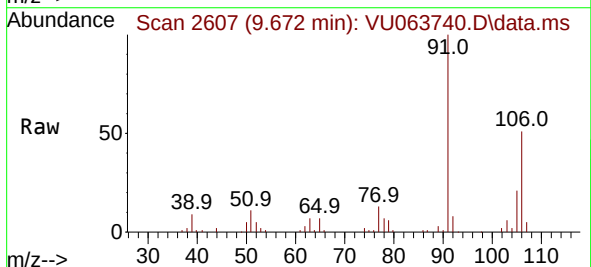
Instrument :
MSVOA_U
ClientSampleId :
VSTD001028

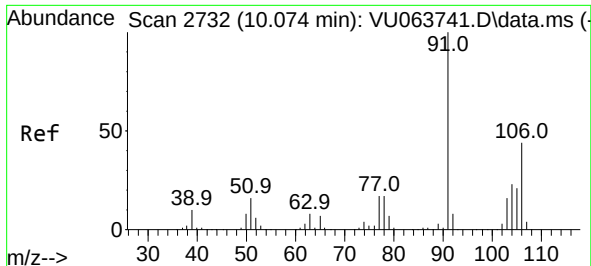
Tgt Ion: 91 Resp: 73219
Ion Ratio Lower Upper
91 100
106 31.1 21.1 39.3



#53
m,p-Xylene
Concen: 1.145 ug/L
RT: 9.672 min Scan# 2607
Delta R.T. 0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 106 Resp: 27554
Ion Ratio Lower Upper
106 100
91 198.0 144.5 268.3

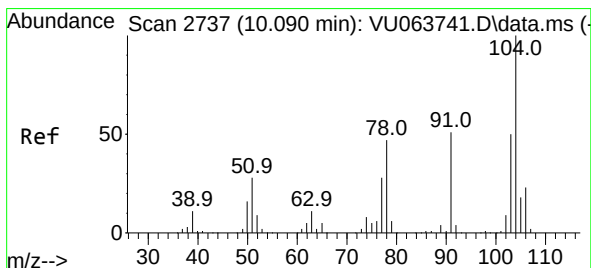
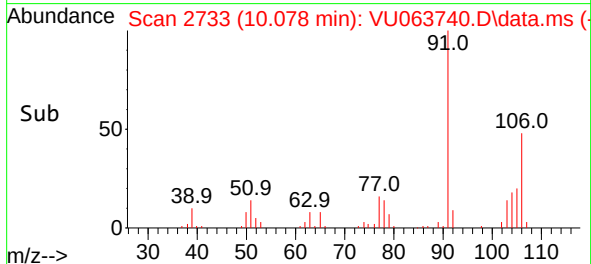
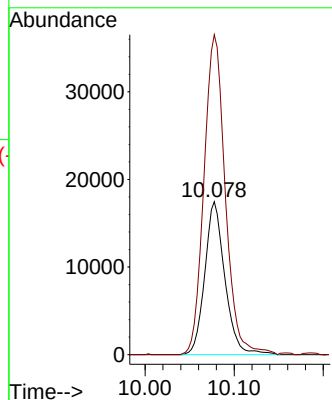
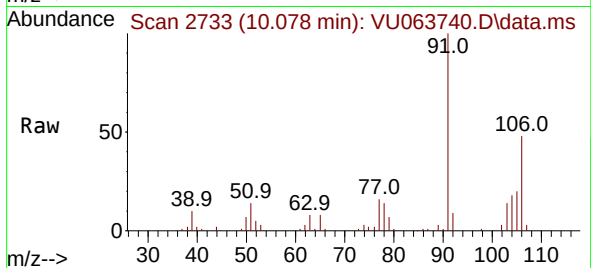




#54
o-Xylene
Concen: 1.168 ug/L
RT: 10.078 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

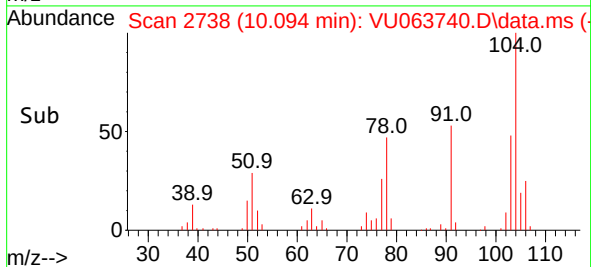
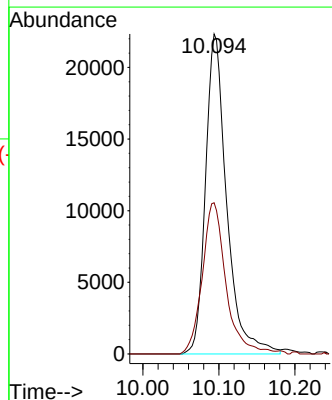
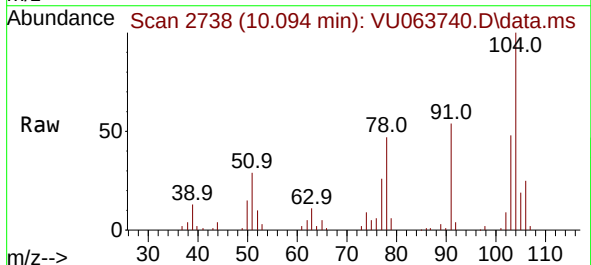
Instrument :
MSVOA_U
ClientSampleId :
VSTD001028

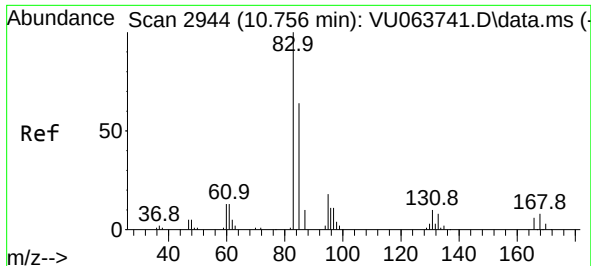
Tgt Ion:106 Resp: 27375
Ion Ratio Lower Upper
106 100
91 209.3 157.4 292.4



#55
Styrene
Concen: 1.116 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

Tgt Ion:104 Resp: 43220
Ion Ratio Lower Upper
104 100
78 47.3 32.7 60.7





#57

1,1,2,2-Tetrachloroethane

Concen: 1.135 ug/L

RT: 10.759 min Scan# 2945

Delta R.T. 0.003 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD001028

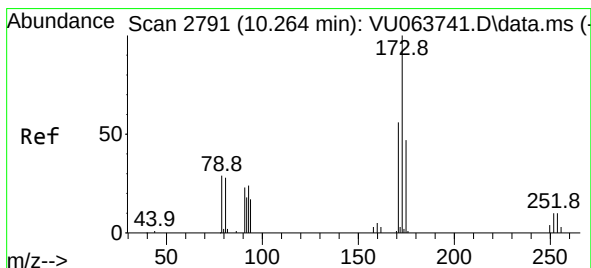
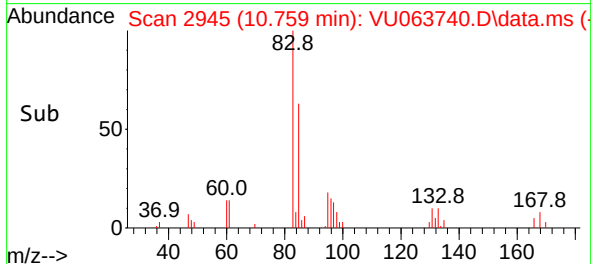
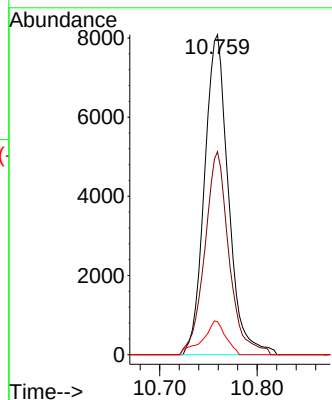
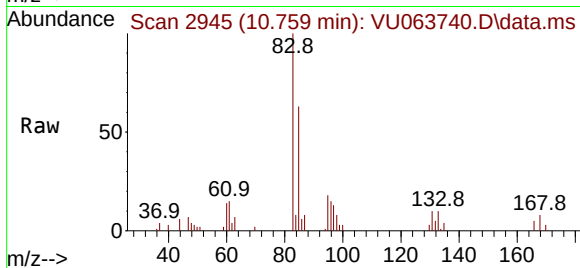
Tgt Ion: 83 Resp: 13773

Ion Ratio Lower Upper

83 100

85 63.4 45.2 84.0

131 10.3 8.4 12.6



#59

Bromoform

Concen: 0.965 ug/L

RT: 10.267 min Scan# 2792

Delta R.T. 0.003 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

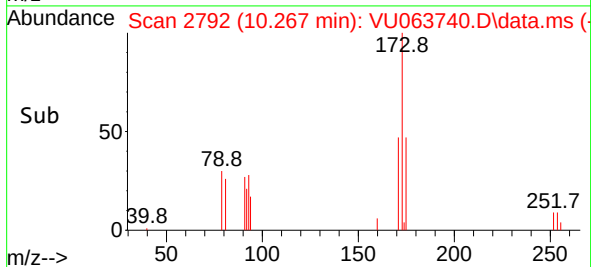
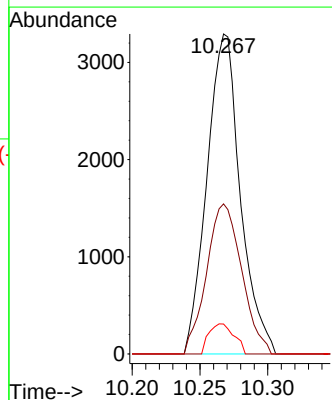
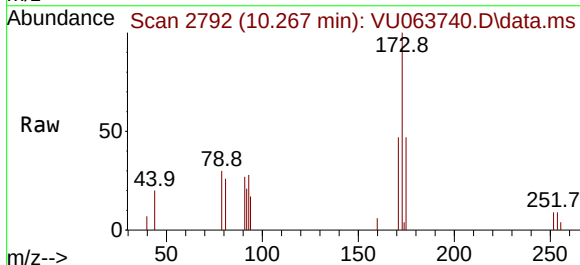
Tgt Ion:173 Resp: 5629

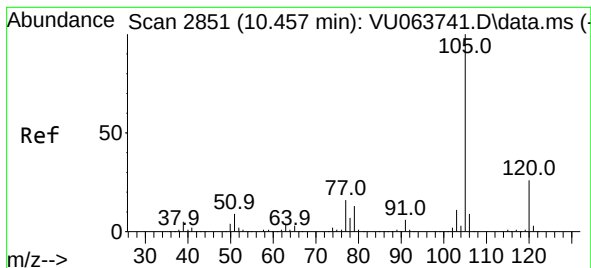
Ion Ratio Lower Upper

173 100

175 49.3 37.8 56.8

254 7.1 7.8 11.8#





#60

Isopropylbenzene

Concen: 1.031 ug/L

RT: 10.460 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD001028

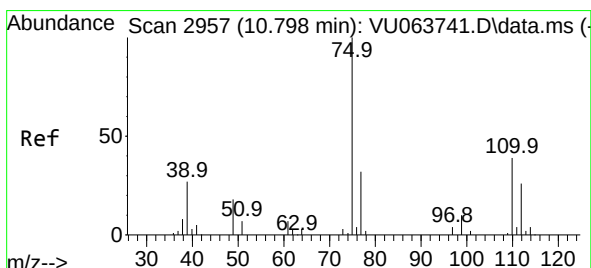
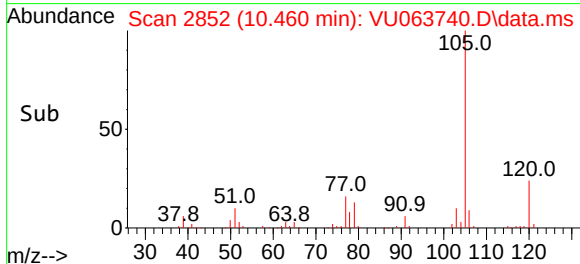
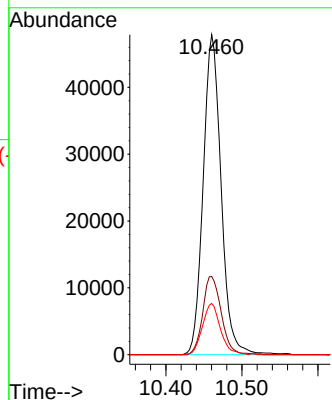
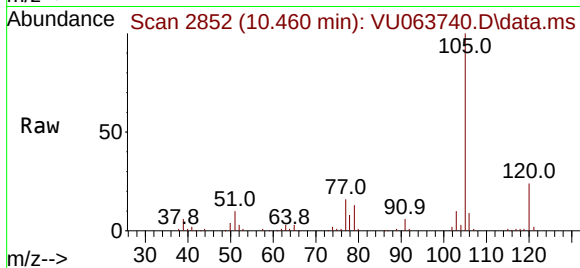
Tgt Ion:105 Resp: 78425

Ion Ratio Lower Upper

105 100

120 25.3 20.6 31.0

77 16.0 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 0.922 ug/L

RT: 10.798 min Scan# 2957

Delta R.T. 0.000 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

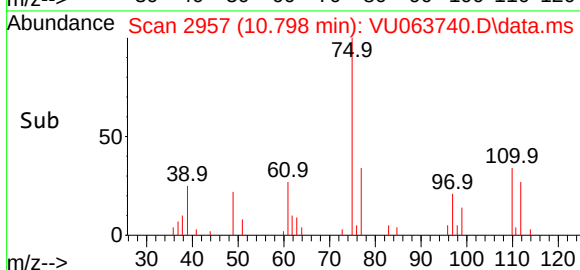
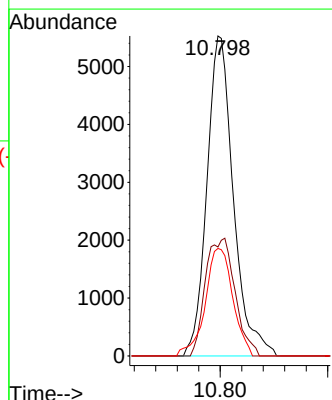
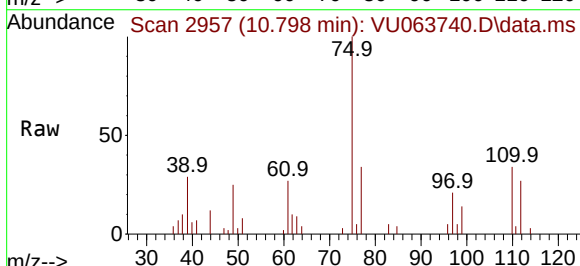
Tgt Ion: 75 Resp: 9447

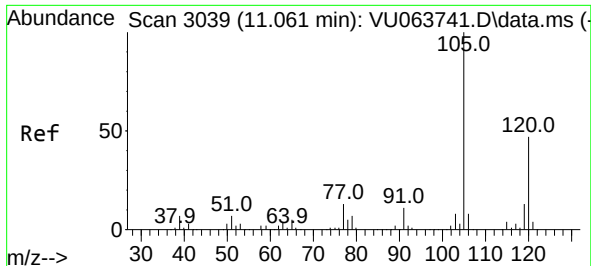
Ion Ratio Lower Upper

75 100

110 41.1 31.2 46.8

77 35.0 26.6 40.0





#62

1,3,5-Trimethylbenzene

Concen: 1.004 ug/L

RT: 11.065 min Scan# 3039

Delta R.T. 0.003 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_U

ClientSampleId :

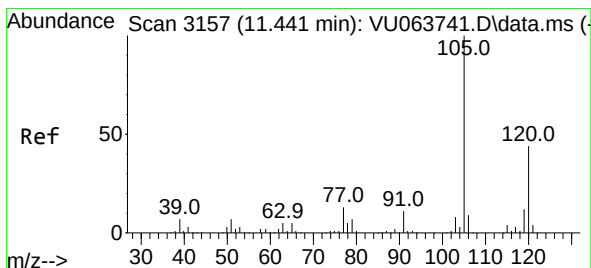
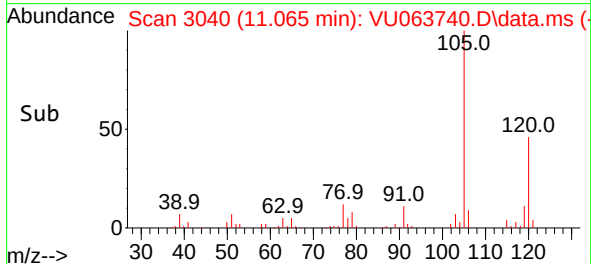
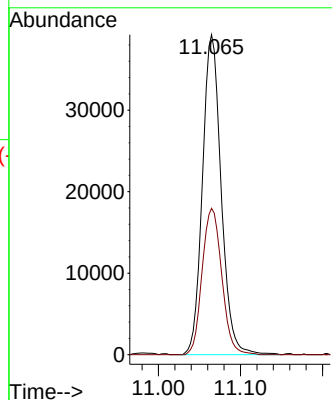
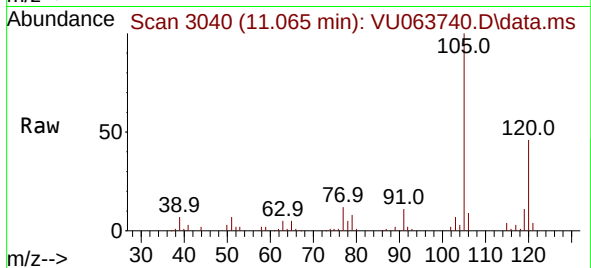
VSTD001028

Tgt Ion:105 Resp: 62317

Ion Ratio Lower Upper

105 100

120 47.8 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 0.987 ug/L

RT: 11.444 min Scan# 3158

Delta R.T. 0.003 min

Lab File: VU063740.D

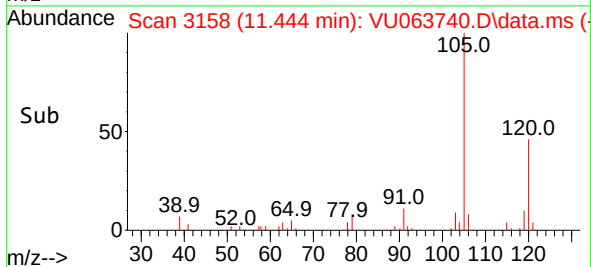
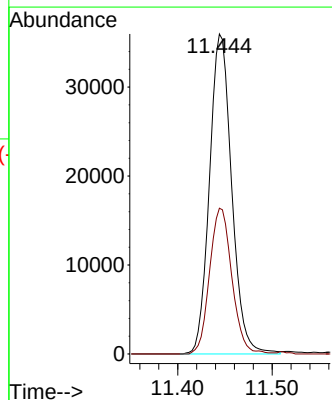
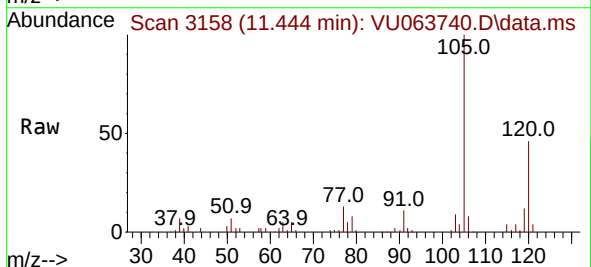
Acq: 19 Nov 2025 10:37

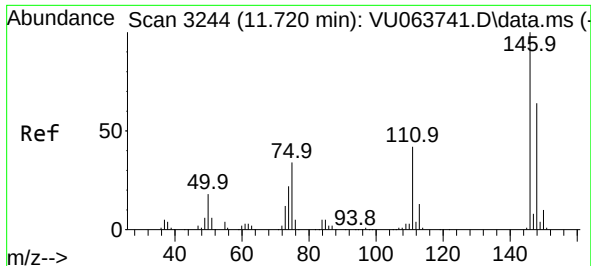
Tgt Ion:105 Resp: 58692

Ion Ratio Lower Upper

105 100

120 45.7 35.1 52.7

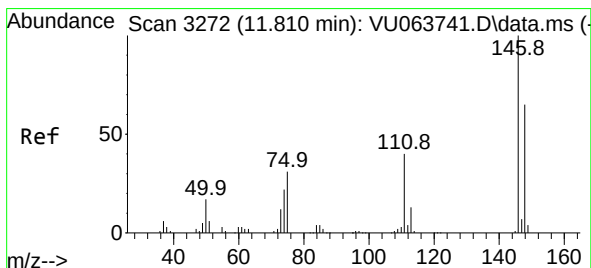
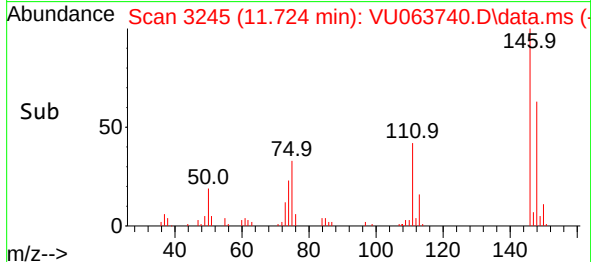
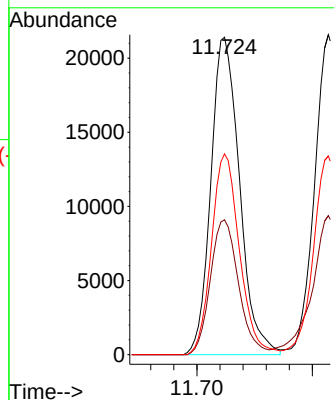
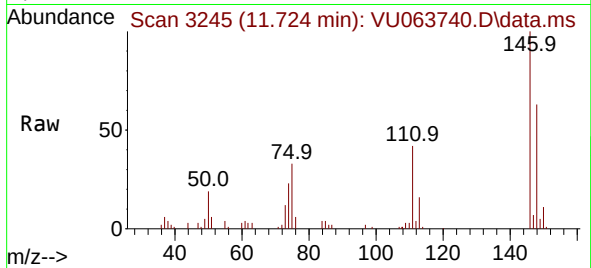




#64
 1,3-Dichlorobenzene
 Concen: 1.083 ug/L
 RT: 11.724 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063740.D
 Acq: 19 Nov 2025 10:37

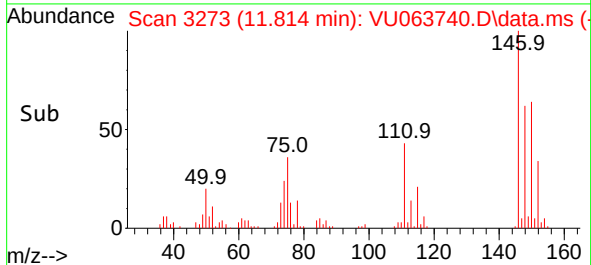
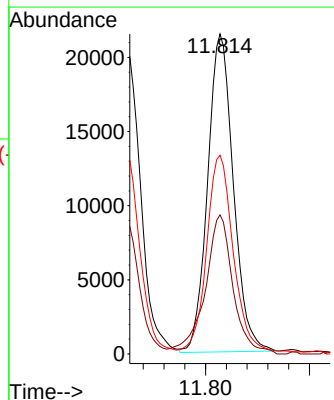
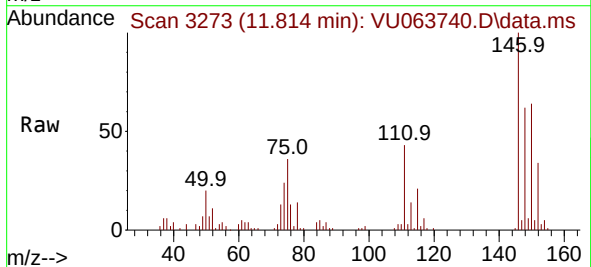
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001028

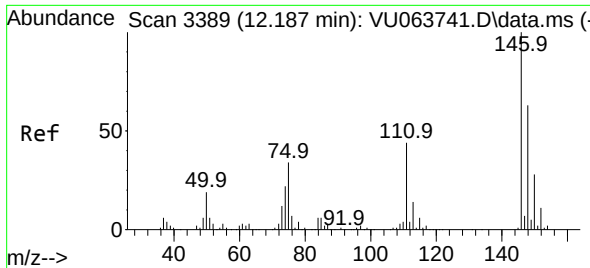
Tgt Ion:146 Resp: 36937
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.5 54.9
 148 63.2 44.7 83.1



#65
 1,4-Dichlorobenzene
 Concen: 1.067 ug/L
 RT: 11.814 min Scan# 3273
 Delta R.T. 0.003 min
 Lab File: VU063740.D
 Acq: 19 Nov 2025 10:37

Tgt Ion:146 Resp: 36842
 Ion Ratio Lower Upper
 146 100
 111 43.4 27.9 51.7
 148 62.1 45.7 84.9

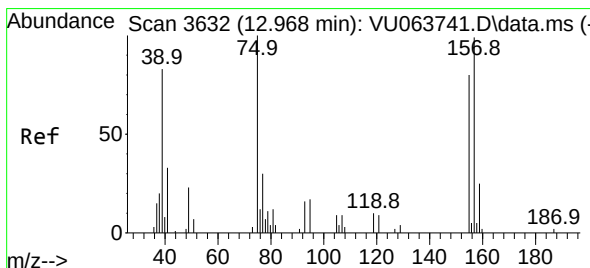
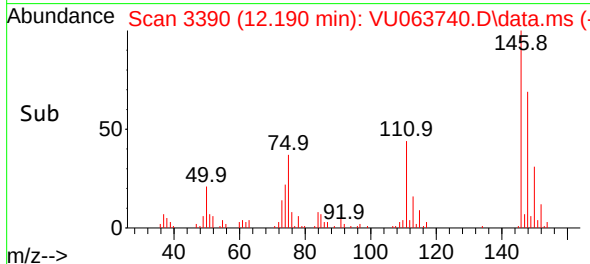
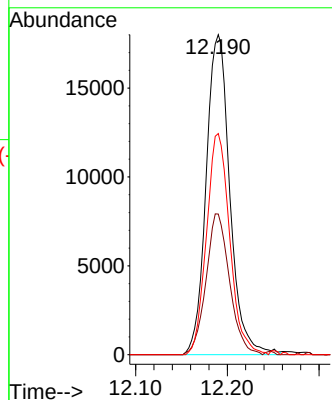
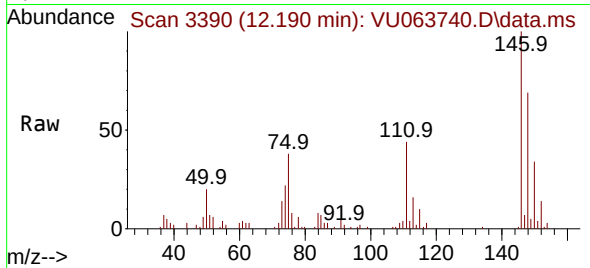




#67
1,2-Dichlorobenzene
Concen: 1.019 ug/L
RT: 12.190 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

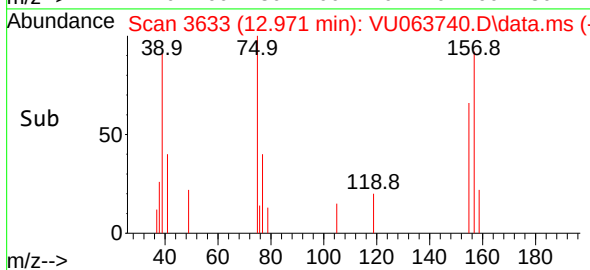
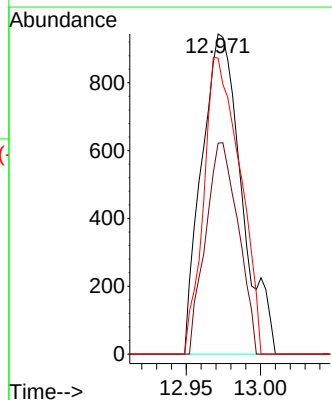
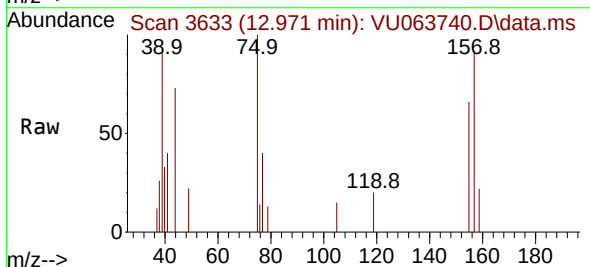
Instrument :
MSVOA_U
ClientSampleId :
VSTD001028

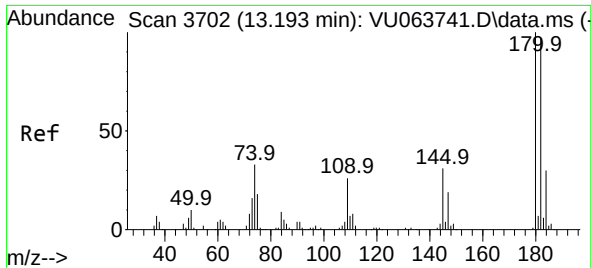
Tgt Ion:146 Resp: 32380
Ion Ratio Lower Upper
146 100
111 44.0 35.0 52.4
148 69.1 50.2 75.2



#68
1,2-Dibromo-3-chloropropane
Concen: 1.097 ug/L
RT: 12.971 min Scan# 3633
Delta R.T. 0.003 min
Lab File: VU063740.D
Acq: 19 Nov 2025 10:37

Tgt Ion: 75 Resp: 1760
Ion Ratio Lower Upper
75 100
155 65.9 64.1 96.1
157 92.5 79.0 118.4





#69

1,3,5-Trichlorobenzene

Concen: 0.998 ug/L

RT: 13.193 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD001028

Tgt Ion:180 Resp: 25584

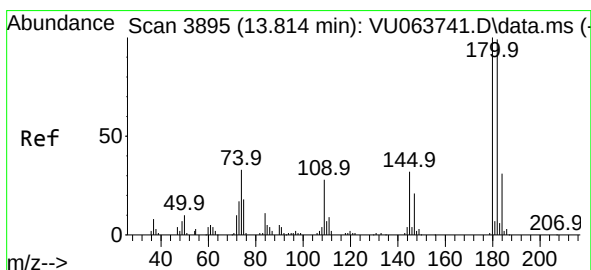
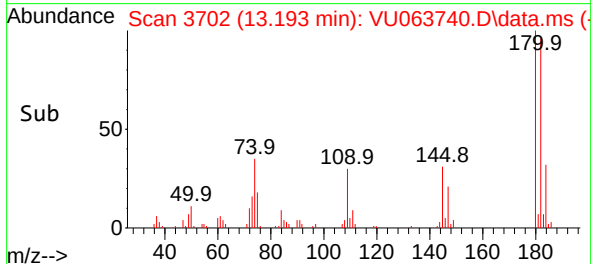
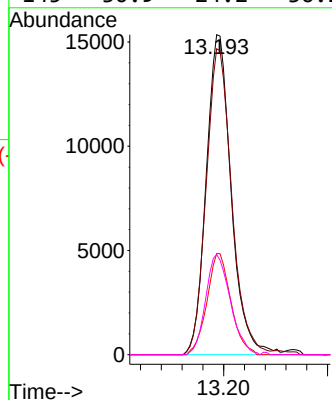
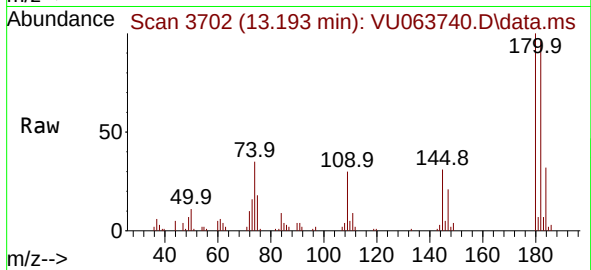
Ion Ratio Lower Upper

180 100

182 97.4 76.4 114.6

184 30.3 23.8 35.6

145 30.9 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 0.989 ug/L

RT: 13.817 min Scan# 3896

Delta R.T. 0.003 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

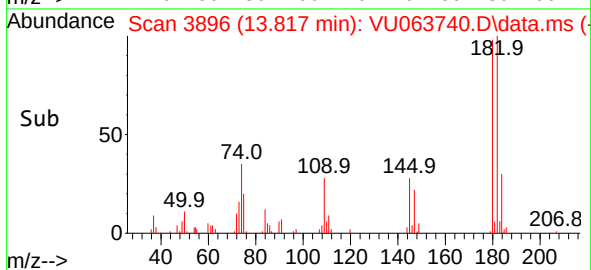
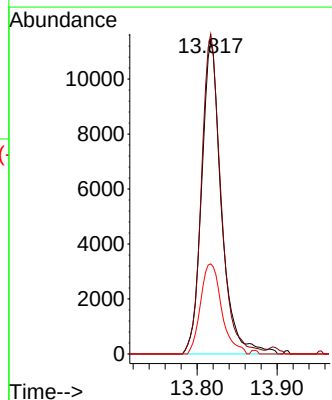
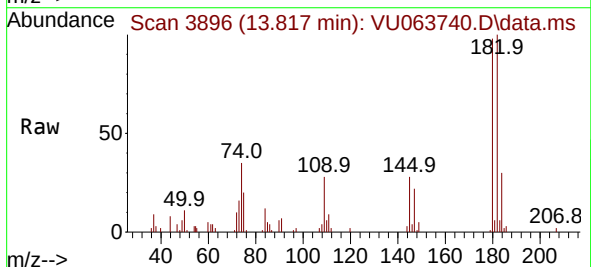
Tgt Ion:180 Resp: 19543

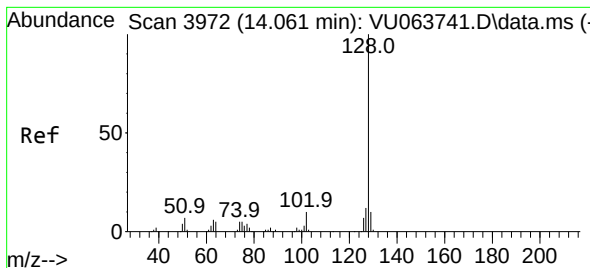
Ion Ratio Lower Upper

180 100

182 100.5 77.8 116.6

145 30.8 26.1 39.1





#71

Naphthalene

Concen: 0.862 ug/L

RT: 14.065 min Scan# 3972

Delta R.T. 0.003 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD001028

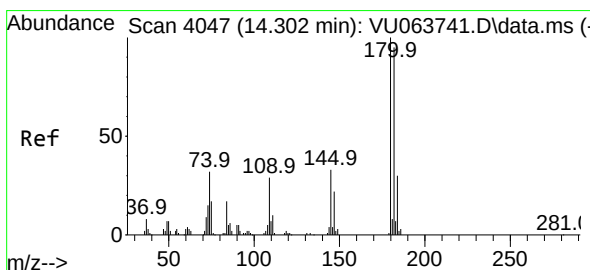
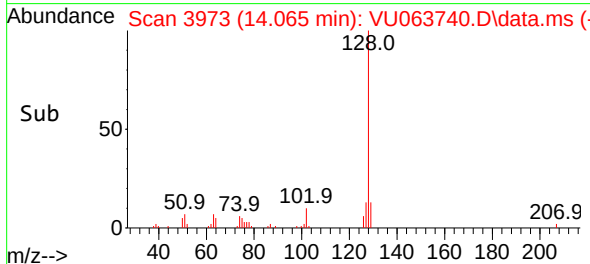
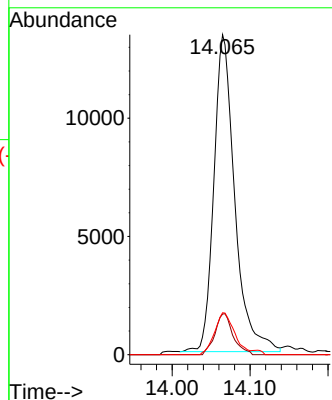
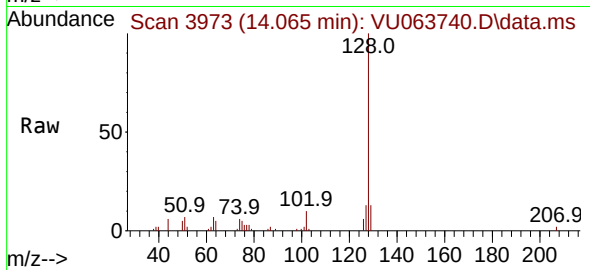
Tgt Ion:128 Resp: 24991

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

127 12.7 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 0.970 ug/L

RT: 14.306 min Scan# 4048

Delta R.T. 0.003 min

Lab File: VU063740.D

Acq: 19 Nov 2025 10:37

Tgt Ion:180 Resp: 16253

Ion Ratio Lower Upper

180 100

182 95.9 75.7 113.5

145 33.4 27.1 40.7

