

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010825\
 Data File : VSTD.D
 Acq On : 08 Jan 2025 09:34
 Operator : MD/SY
 Sample : VSTD005
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 08 23:04:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 08 23:04:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	141452	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	129542	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	64608	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	4577	4.716	ug/L	0.00
7) Chloroethane-d5	1.904	69	3635	5.090	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	9196	4.926	ug/L	0.00
21) 2-Butanone-d5	4.641	46	2685	4.380	ug/L	0.03
24) Chloroform-d	5.055	84	10367	4.999	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	6960	5.212	ug/L	0.00
32) Benzene-d6	5.718	84	17696	4.815	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	5168	4.518	ug/L	0.00
41) Toluene-d8	7.891	98	15988	4.668	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	2644	4.489	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	2293	5.557	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	7087	4.274	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	6185	4.846	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	7486	5.532	ug/L	99
3) Chloromethane	1.518	50	4859	4.526	ug/L	94
5) Vinyl chloride	1.602	62	5261	4.679	ug/L	99
6) Bromomethane	1.843	94	3902	5.909	ug/L	92
8) Chloroethane	1.924	64	3044	4.699	ug/L	95
9) Trichlorofluoromethane	2.133	101	11204	6.199	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	5281	5.420	ug/L	96
12) 1,1-Dichloroethene	2.573	96	4591	5.182	ug/L	79
13) Acetone	2.618	43	4741	6.616	ug/L	98
14) Carbon disulfide	2.785	76	13269	4.967	ug/L	99
15) Methyl Acetate	2.946	43	3492	3.778	ug/L	96
16) Methylene chloride	3.036	84	5240	5.208	ug/L	95
17) trans-1,2-Dichloroethene	3.348	96	4367	4.782	ug/L	90
18) Methyl tert-butyl Ether	3.351	73	15728	5.073	ug/L	97
19) 1,1-Dichloroethane	3.862	63	8361	4.816	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	5181	4.987	ug/L	97
22) 2-Butanone	4.714	43	3488	4.449	ug/L	70
23) Bromochloromethane	4.968	128	2895	5.254	ug/L	87
25) Chloroform	5.075	83	10397	5.421	ug/L	97
27) 1,2-Dichloroethane	5.785	62	8443	5.447	ug/L	96
29) Cyclohexane	5.377	56	6845	4.797	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	10163	5.923	ug/L	96
31) Carbon tetrachloride	5.515	117	9289	6.054	ug/L	100
33) Benzene	5.766	78	18479	4.889	ug/L	100
34) Trichloroethene	6.534	95	7119	6.753	ug/L	95
35) Methylcyclohexane	6.753	83	7776	4.962	ug/L	96
37) 1,2-Dichloropropane	6.785	63	4500	4.559	ug/L	# 93
38) Bromodichloromethane	7.097	83	7522	5.394	ug/L	97
39) cis-1,3-Dichloropropene	7.599	75	7897	4.834	ug/L	91
40) 4-Methyl-2-pentanone	7.782	43	9342	7.779	ug/L	# 94
42) Toluene	7.962	91	20110	4.934	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	7625	4.985	ug/L	90

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 ClientSampleId :

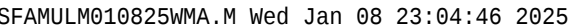
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 08 23:04:08 2025
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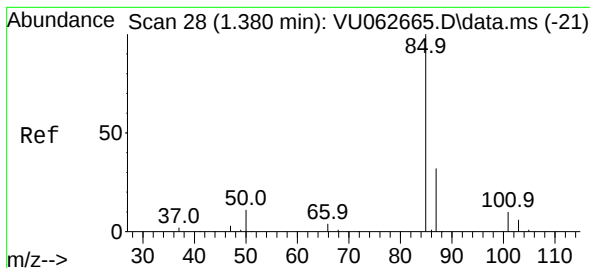
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.390	97	4830	4.840	ug/L	97
46) Tetrachloroethene	8.544	164	4513	5.591	ug/L	91
48) 2-Hexanone	8.679	43	6460	6.510	ug/L	96
49) Dibromochloromethane	8.798	129	6277	5.849	ug/L	99
50) 1,2-Dibromoethane	8.917	107	5490	5.044	ug/L #	93
51) Chlorobenzene	9.438	112	14019	5.387	ug/L	95
52) Ethylbenzene	9.563	91	22459	4.985	ug/L	100
53) m,p-Xylene	9.685	106	7920	4.753	ug/L	91
54) o-Xylene	10.090	106	7914	4.839	ug/L	94
55) Styrene	10.110	104	12961	4.709	ug/L	85
57) 1,1,2,2-Tetrachloroethane	10.772	83	7511	4.621	ug/L	96
59) Bromoform	10.283	173	4948	5.991	ug/L #	86
60) 1,2,3-Trichloropropane	10.814	75	6138	4.791	ug/L	97
61) Isopropylbenzene	10.473	105	22593	5.233	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	18619	5.025	ug/L	97
63) 1,2,4-Trimethylbenzene	11.460	105	17269	4.856	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	9765	4.856	ug/L	91
65) 1,4-Dichlorobenzene	11.830	146	10575	5.172	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	9372	4.746	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.997	75	1657	4.493	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.216	180	6300	4.465	ug/L	96
70) 1,2,4-trichlorobenzene	13.839	180	3951	3.342	ug/L	97
71) Naphthalene	14.094	128	7257	2.329	ug/L #	84
72) 1,2,3-Trichlorobenzene	14.325	180	3551	3.162	ug/L	97

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

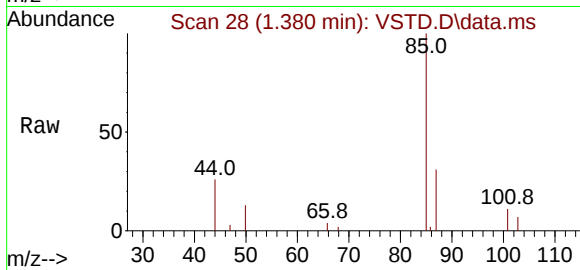
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010825WMA.M
Quant Title : VOC Analysis
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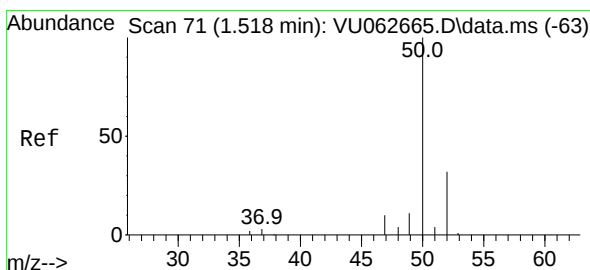
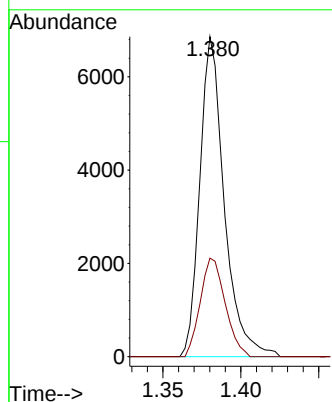
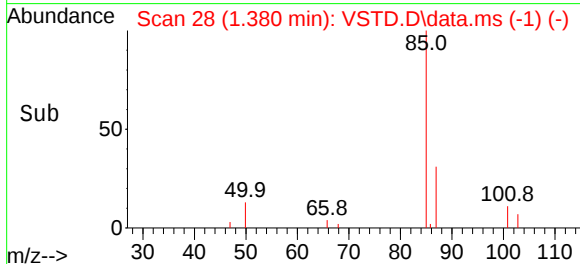


#2
 Dichlorodifluoromethane
 Concen: 5.532 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VSTD.D
 Acq: 08 Jan 2025 09:34

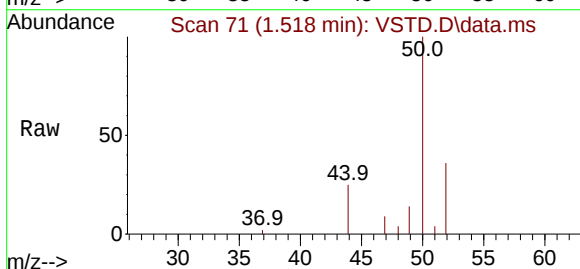
Instrument :
 MSVOA_U
 ClientSampleId :



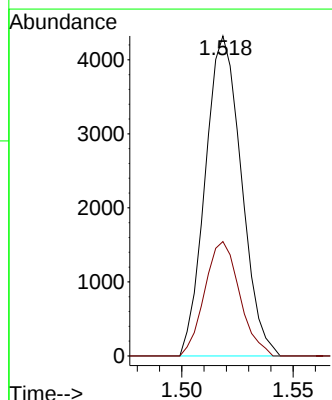
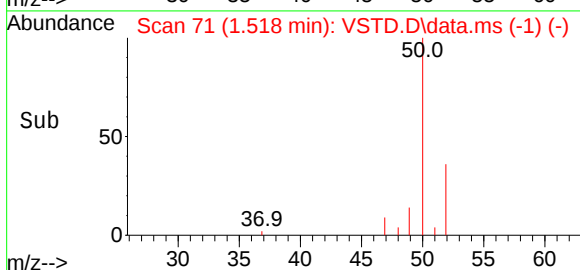
Tgt Ion: 85 Resp: 7486
 Ion Ratio Lower Upper
 85 100
 87 31.4 25.5 38.3

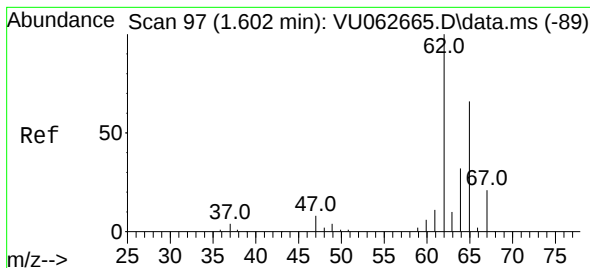


#3
 Chloromethane
 Concen: 4.526 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VSTD.D
 Acq: 08 Jan 2025 09:34



Tgt Ion: 50 Resp: 4859
 Ion Ratio Lower Upper
 50 100
 52 35.8 22.5 41.9





#5

Vinyl chloride

Concen: 4.679 ug/L

RT: 1.602 min Scan# 97

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Instrument :

MSVOA_U

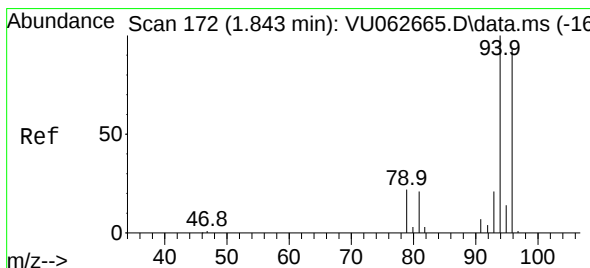
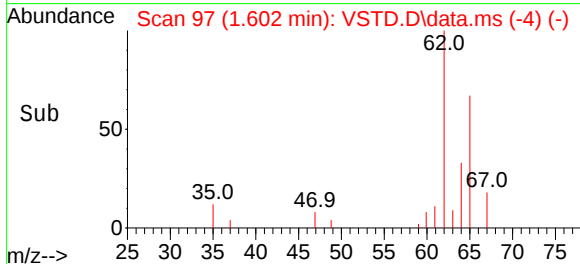
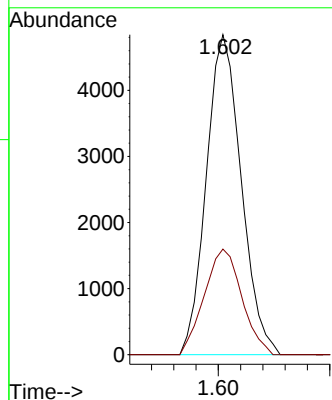
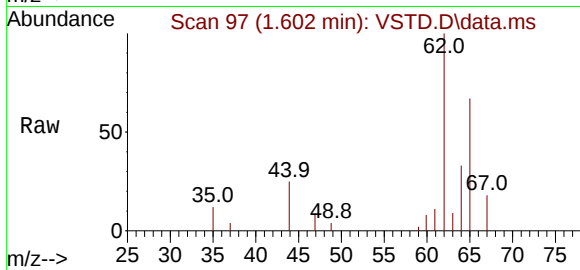
ClientSampleId :

Tgt Ion: 62 Resp: 5261

Ion Ratio Lower Upper

62 100

64 33.0 22.7 42.1



#6

Bromomethane

Concen: 5.909 ug/L

RT: 1.843 min Scan# 172

Delta R.T. 0.000 min

Lab File: VSTD.D

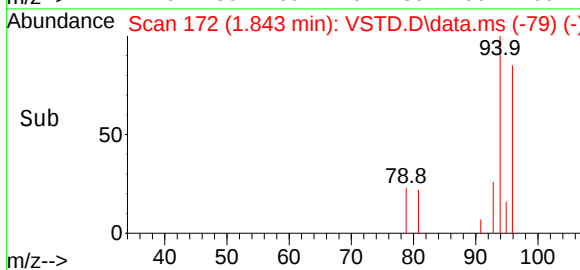
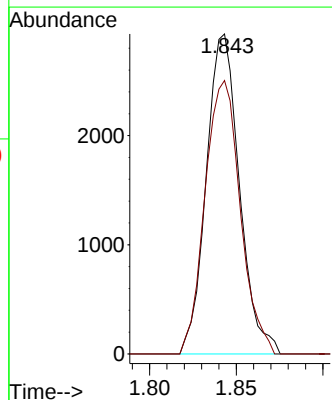
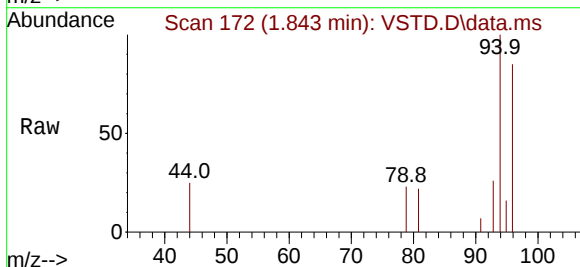
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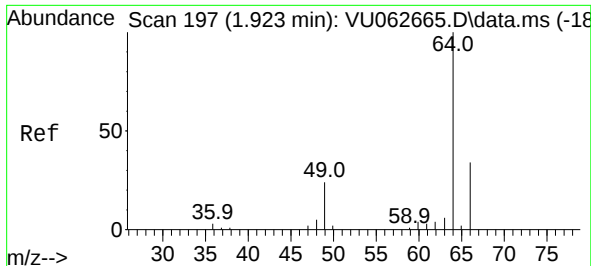
Tgt Ion: 94 Resp: 3902

Ion Ratio Lower Upper

94 100

96 85.5 65.2 121.0

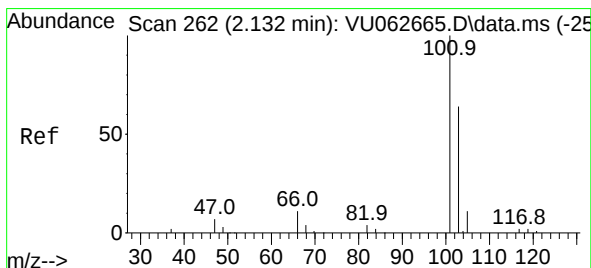
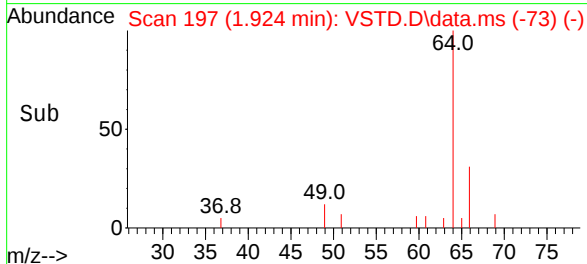
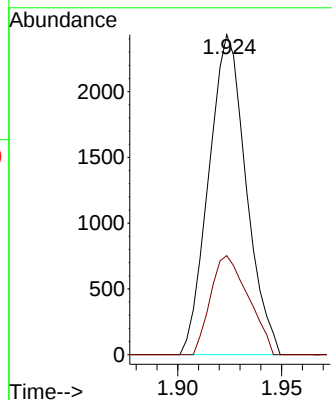
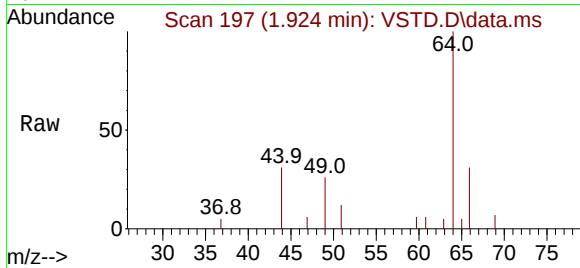




#8
Chloroethane
Concen: 4.699 ug/L
RT: 1.924 min Scan# 197
Delta R.T. 0.000 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

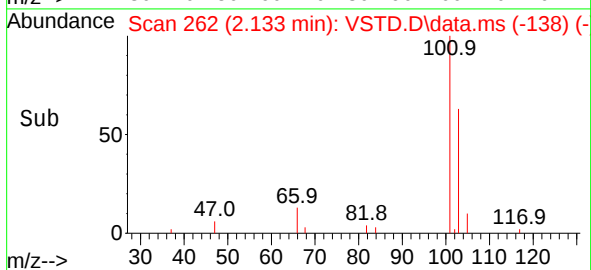
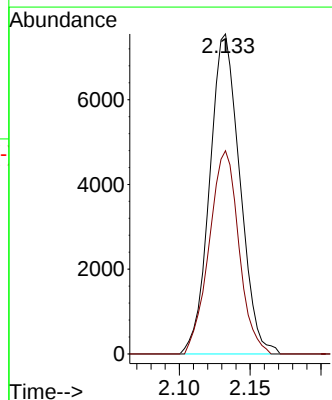
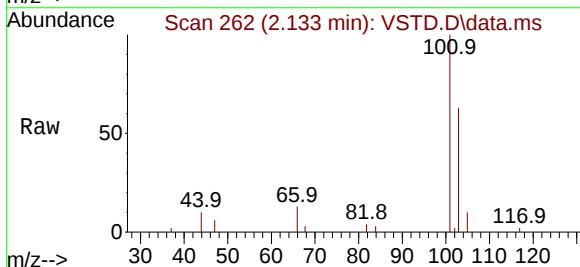
Instrument :
MSVOA_U
ClientSampleId :

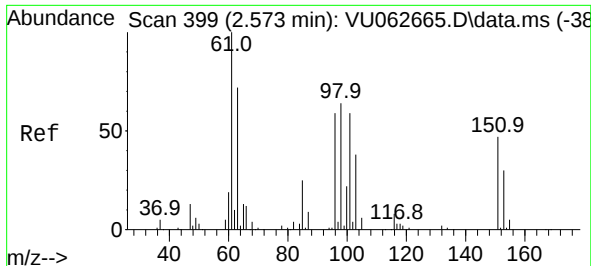
Tgt Ion: 64 Resp: 3044
Ion Ratio Lower Upper
64 100
66 30.9 23.6 43.8



#9
Trichlorofluoromethane
Concen: 6.199 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

Tgt Ion: 101 Resp: 11204
Ion Ratio Lower Upper
101 100
103 62.4 51.0 76.4

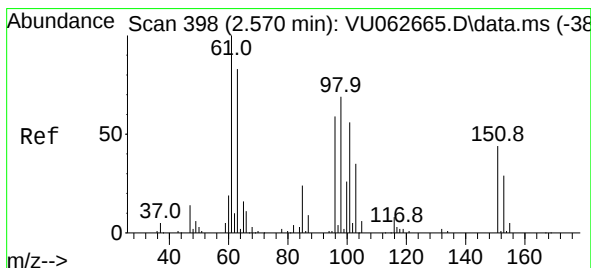
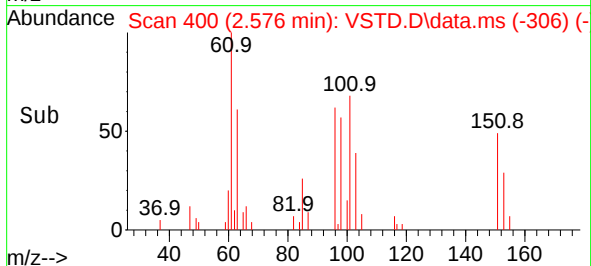
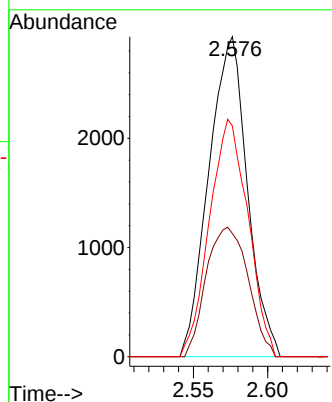
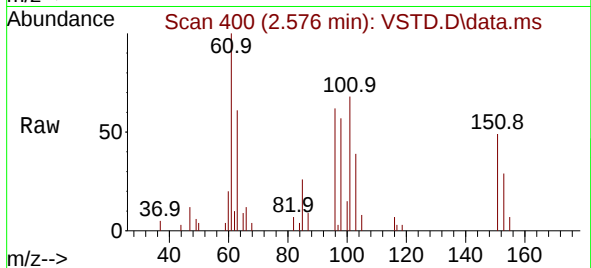




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.420 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

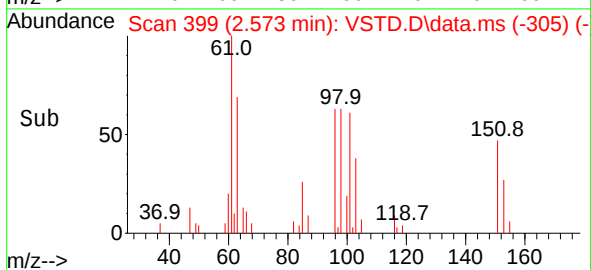
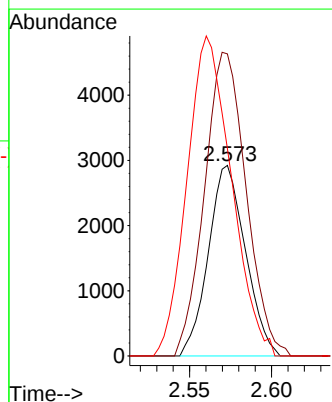
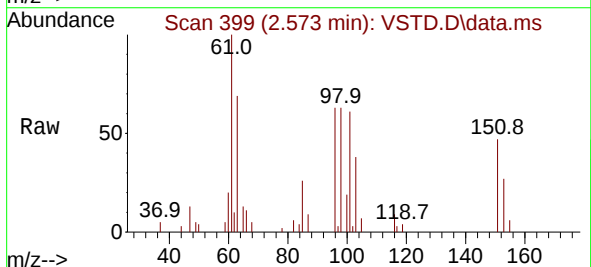
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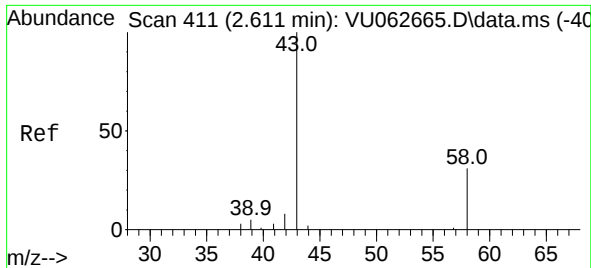
Tgt Ion: 101 Resp: 5281
Ion Ratio Lower Upper
101 100
85 44.1 35.9 53.9
151 74.3 63.0 94.6



#12
1,1-Dichloroethene
Concen: 5.182 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

Tgt Ion: 96 Resp: 4591
Ion Ratio Lower Upper
96 100
61 158.6 119.9 222.7
63 108.8 106.3 197.5





#13

Acetone

Concen: 6.616 ug/L

RT: 2.618 min Scan# 411

Delta R.T. 0.007 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Instrument :

MSVOA_U

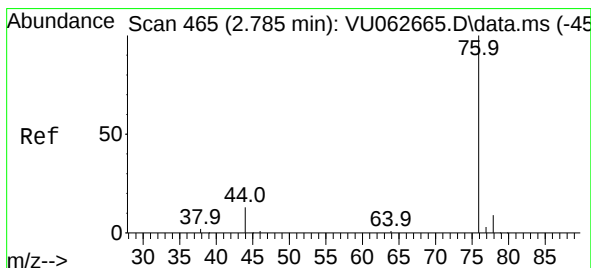
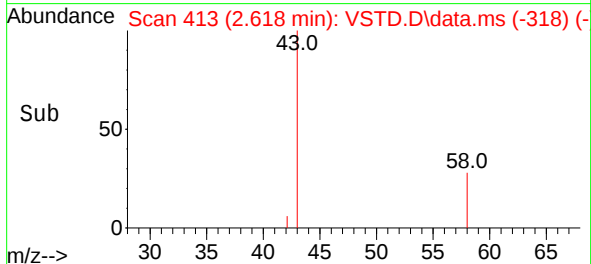
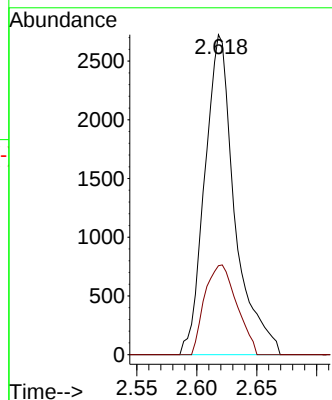
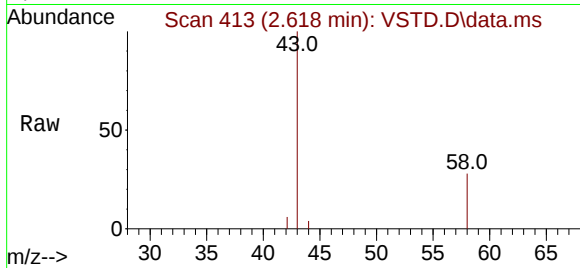
ClientSampleId :

Tgt Ion: 43 Resp: 4741

Ion Ratio Lower Upper

43 100

58 29.9 0.0 62.4



#14

Carbon disulfide

Concen: 4.967 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VSTD.D

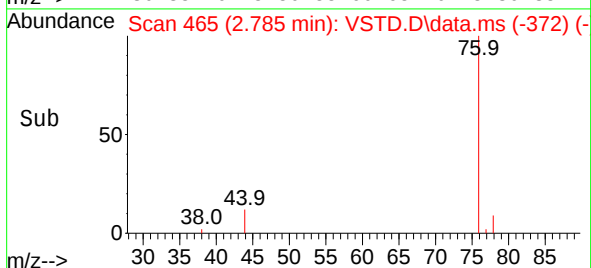
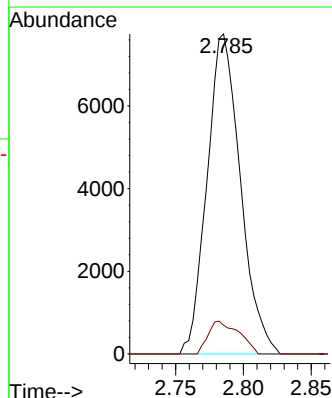
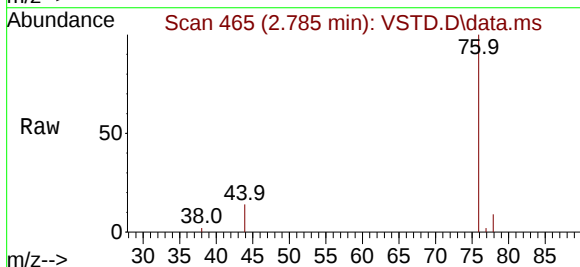
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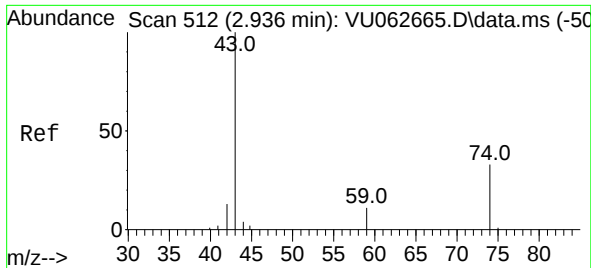
Tgt Ion: 76 Resp: 13269

Ion Ratio Lower Upper

76 100

78 9.0 6.9 10.3





#15

Methyl Acetate

Concen: 3.778 ug/L

RT: 2.946 min Scan# 512

Delta R.T. 0.010 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Instrument :

MSVOA_U

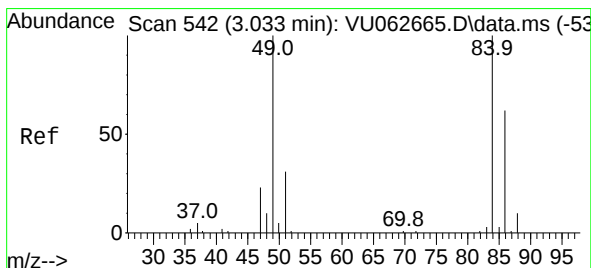
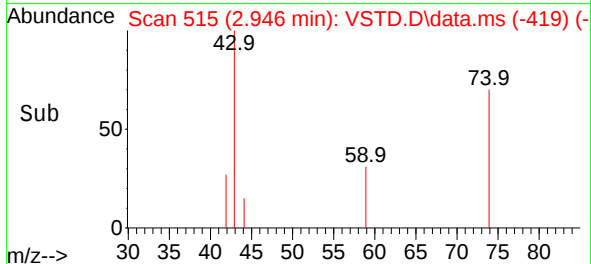
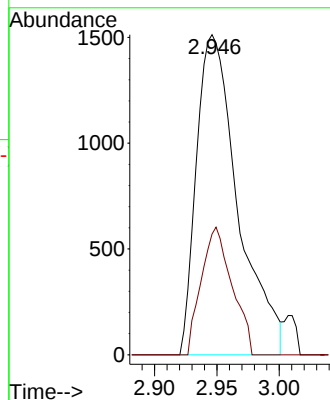
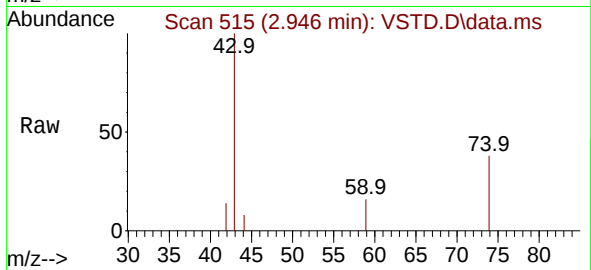
ClientSampleId :

Tgt Ion: 43 Resp: 3492

Ion Ratio Lower Upper

43 100

74 29.6 25.4 38.0



#16

Methylene chloride

Concen: 5.208 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

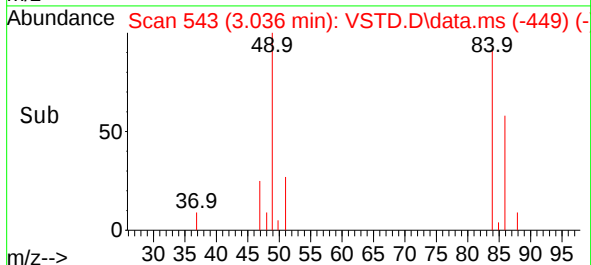
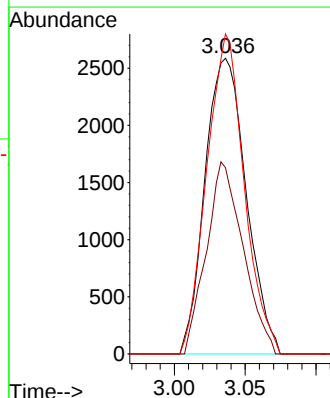
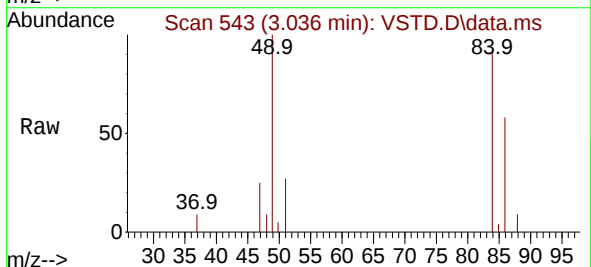
Tgt Ion: 84 Resp: 5240

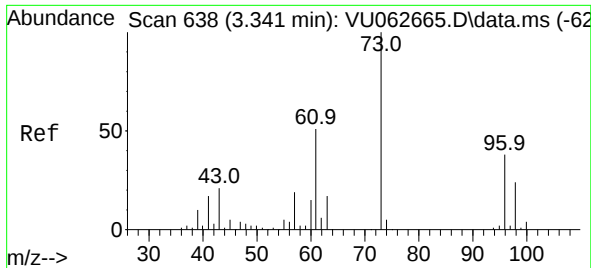
Ion Ratio Lower Upper

84 100

86 63.0 43.8 81.4

49 108.2 70.3 130.5

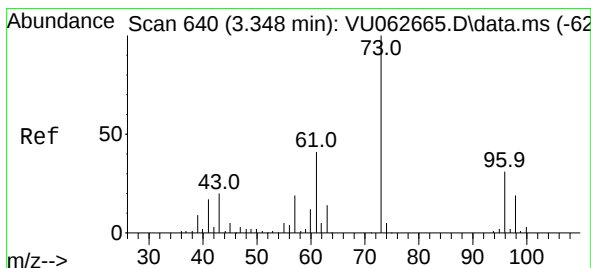
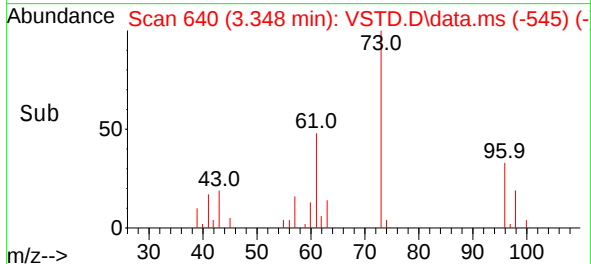
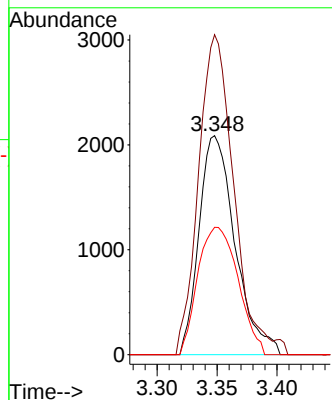
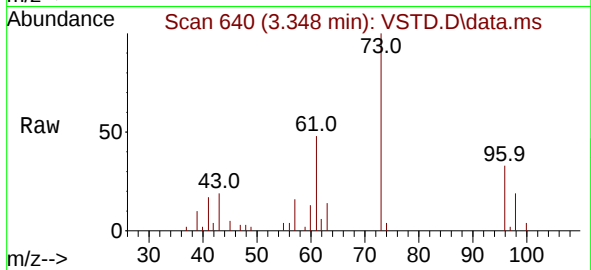




#17
trans-1,2-Dichloroethene
Concen: 4.782 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.007 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

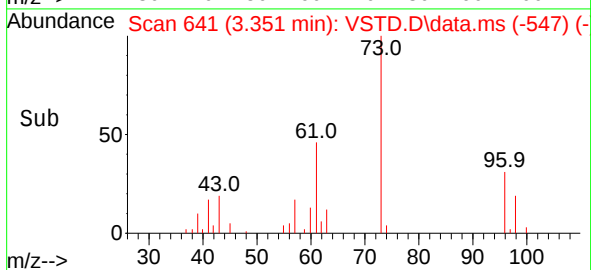
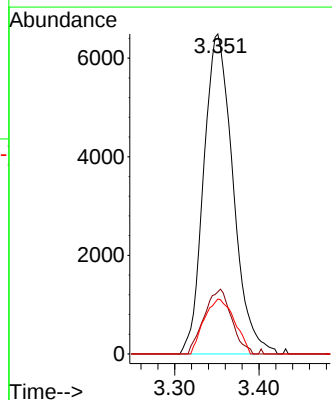
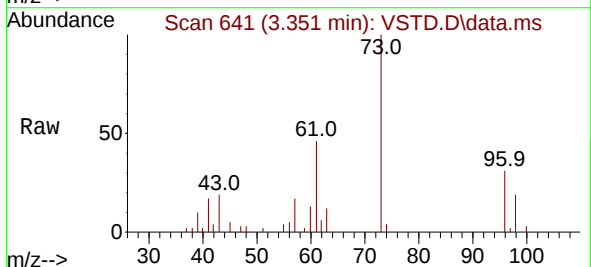
Instrument :
MSVOA_U
ClientSampleId :

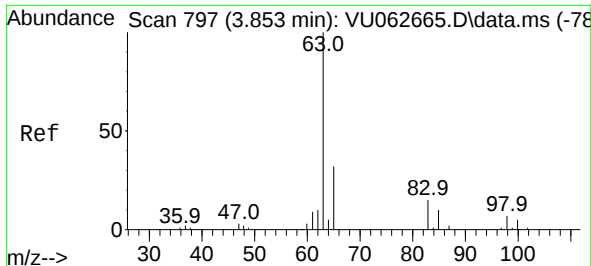
Tgt Ion: 96 Resp: 4367
Ion Ratio Lower Upper
96 100
61 146.1 92.9 172.5
98 58.1 43.8 81.3



#18
Methyl tert-butyl Ether
Concen: 5.073 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

Tgt Ion: 73 Resp: 15728
Ion Ratio Lower Upper
73 100
43 18.8 16.5 24.7
57 17.7 15.0 22.6

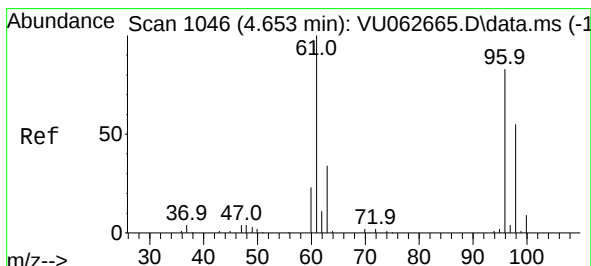
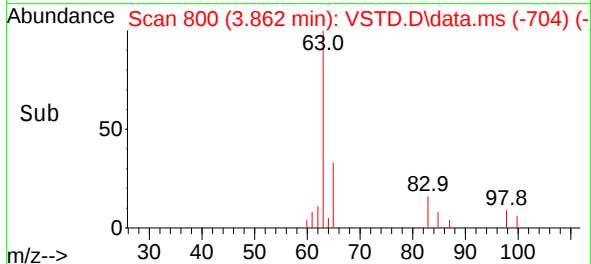
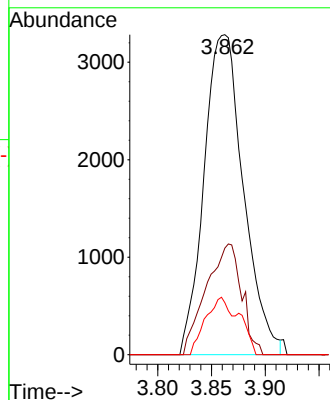
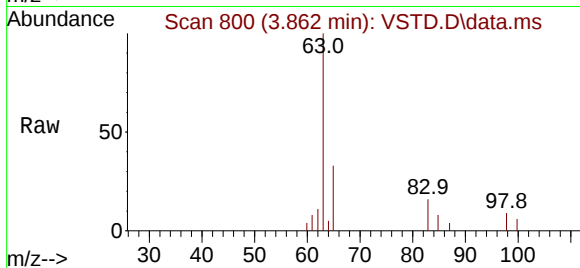




#19
1,1-Dichloroethane
Concen: 4.816 ug/L
RT: 3.862 min Scan# 80
Delta R.T. 0.010 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

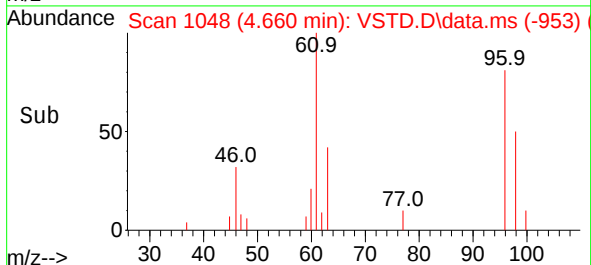
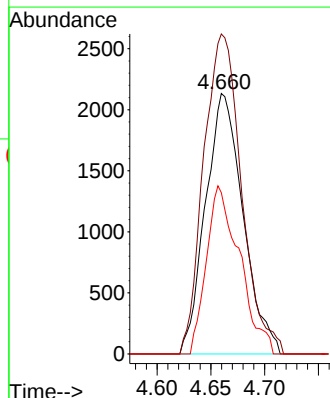
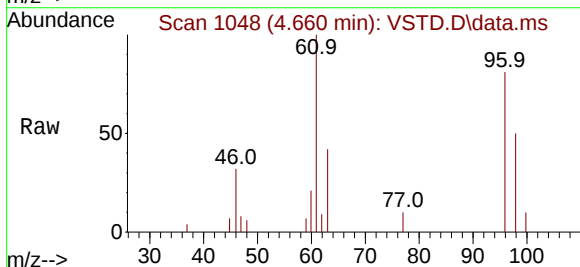
Instrument :
MSVOA_U
ClientSampleId :

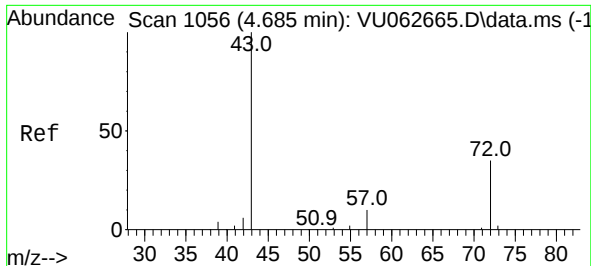
Tgt Ion: 63 Resp: 8361
Ion Ratio Lower Upper
63 100
65 33.3 22.7 42.1
83 16.3 10.1 18.9



#20
cis-1,2-Dichloroethene
Concen: 4.987 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.007 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

Tgt Ion: 96 Resp: 5181
Ion Ratio Lower Upper
96 100
61 122.9 85.1 158.1
98 61.9 46.7 86.7

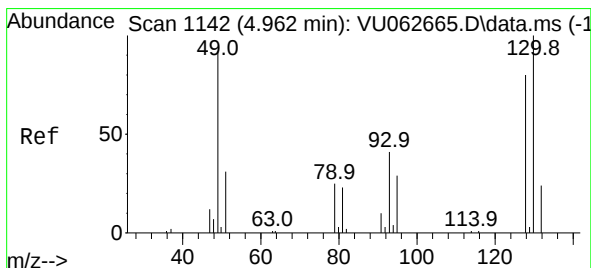
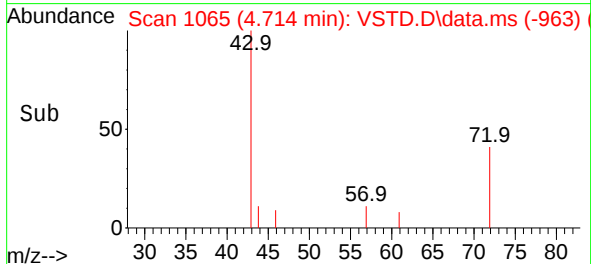
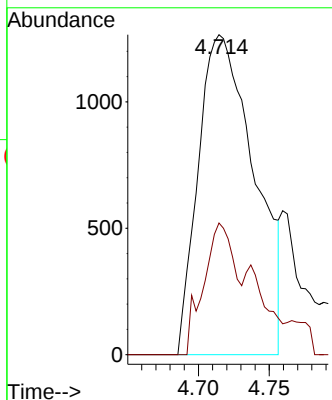
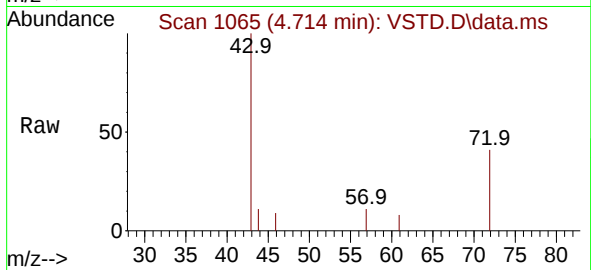




#22
2-Butanone
Concen: 4.449 ug/L
RT: 4.714 min Scan# 1065
Delta R.T. 0.029 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

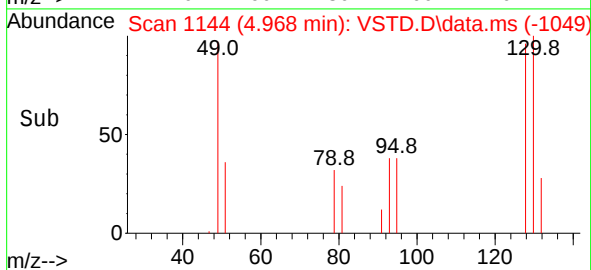
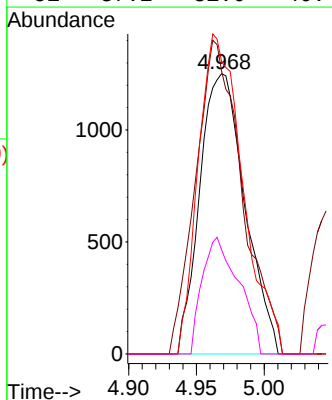
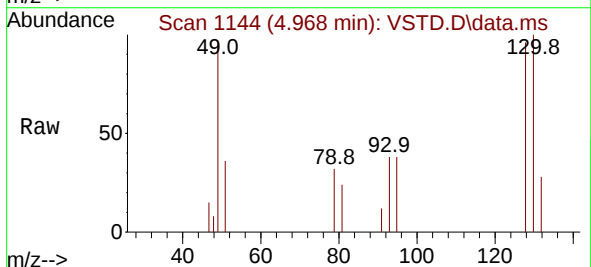
Instrument :
MSVOA_U
ClientSampleId :

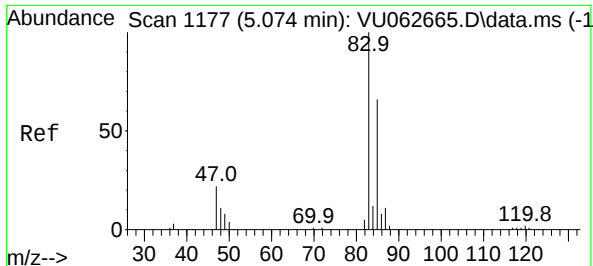
Tgt Ion: 43 Resp: 3488
Ion Ratio Lower Upper
43 100
72 18.8 18.3 54.8



#23
Bromochloromethane
Concen: 5.254 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.007 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

Tgt Ion: 128 Resp: 2895
Ion Ratio Lower Upper
128 100
49 101.0 79.9 148.5
130 104.3 87.2 162.0
51 37.2 31.0 46.4





#25

Chloroform

Concen: 5.421 ug/L

RT: 5.075 min Scan# 1177

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Instrument :

MSVOA_U

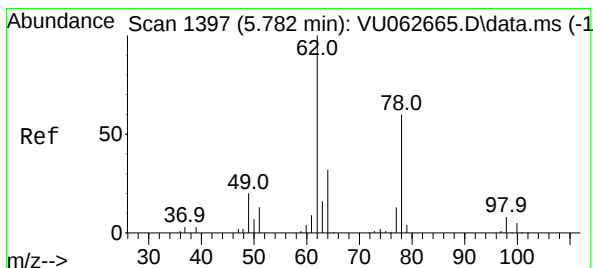
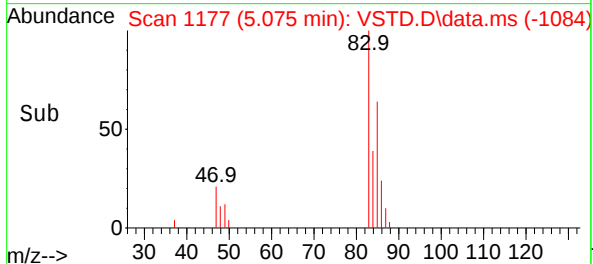
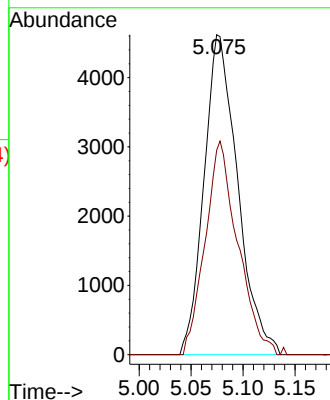
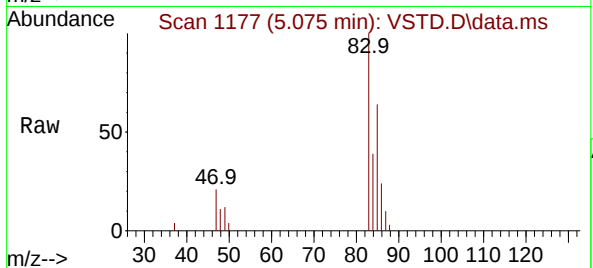
ClientSampleId :

Tgt Ion: 83 Resp: 10397

Ion Ratio Lower Upper

83 100

85 63.9 46.6 86.6



#27

1,2-Dichloroethane

Concen: 5.447 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.003 min

Lab File: VSTD.D

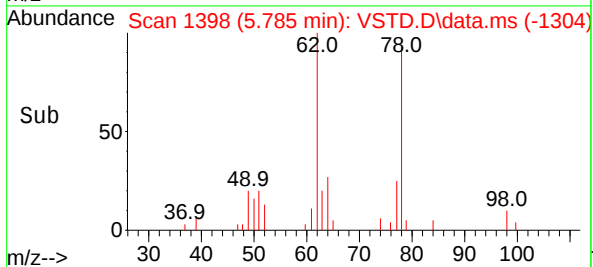
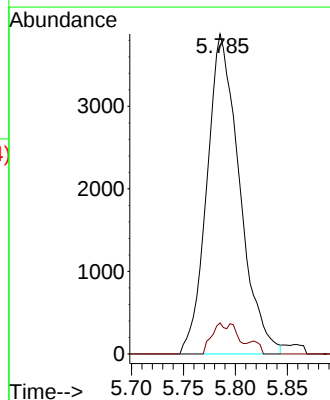
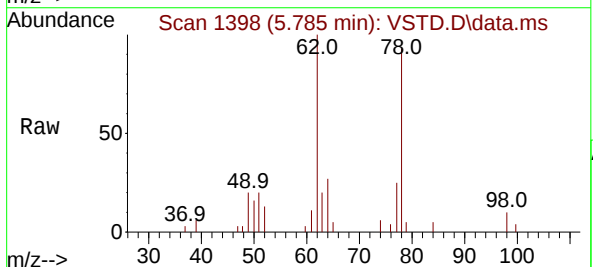
Acq: 08 Jan 2025 09:34

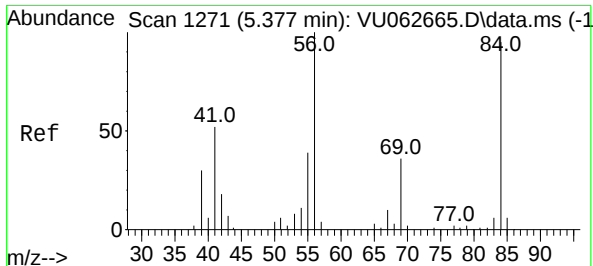
Tgt Ion: 62 Resp: 8443

Ion Ratio Lower Upper

62 100

98 9.7 6.6 10.0





#29

Cyclohexane

Concen: 4.797 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Instrument :

MSVOA_U

ClientSampleId :

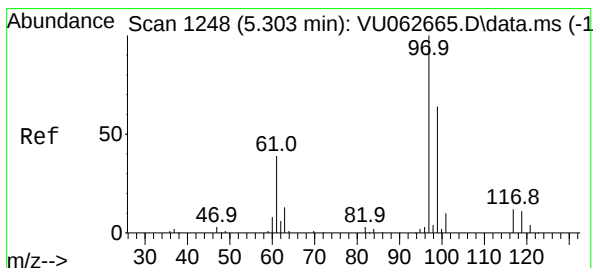
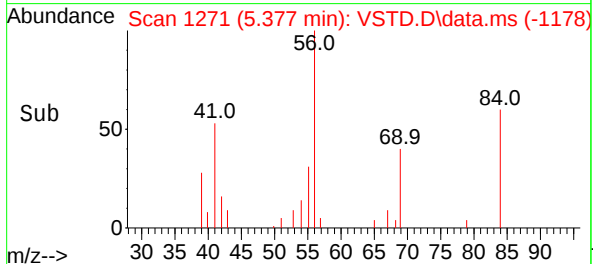
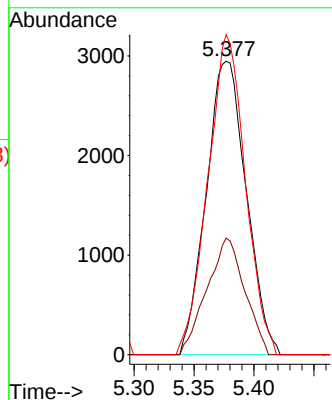
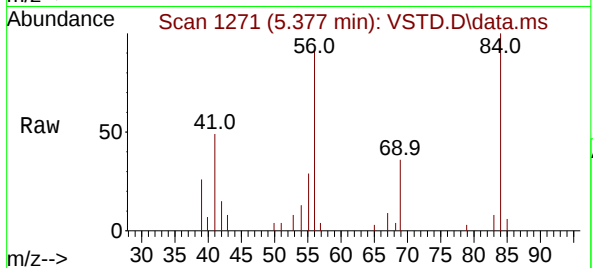
Tgt Ion: 56 Resp: 6845

Ion Ratio Lower Upper

56 100

69 37.5 29.8 44.6

84 102.0 80.6 120.8



#30

1,1,1-Trichloroethane

Concen: 5.923 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

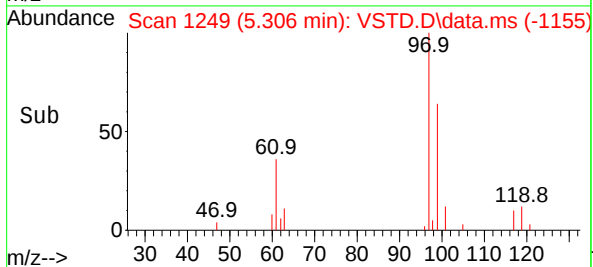
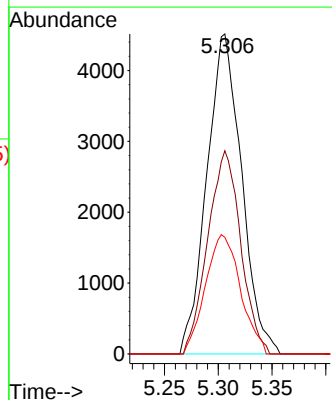
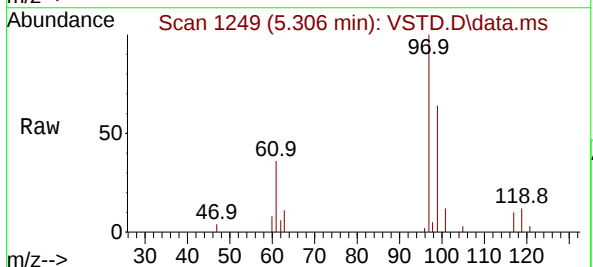
Tgt Ion: 97 Resp: 10163

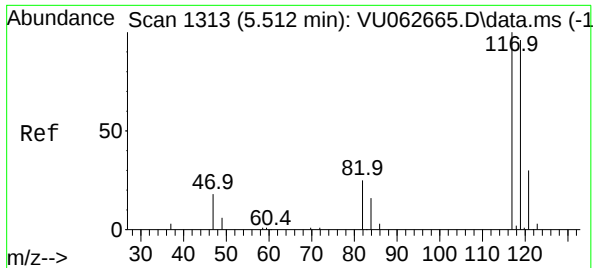
Ion Ratio Lower Upper

97 100

99 60.2 51.3 76.9

61 37.6 31.6 47.4

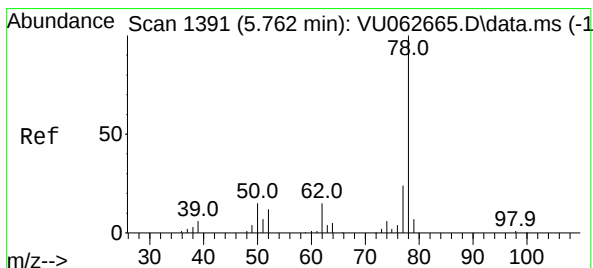
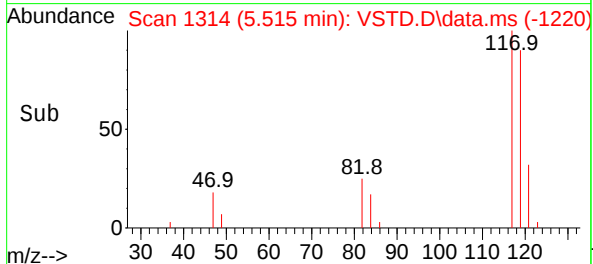
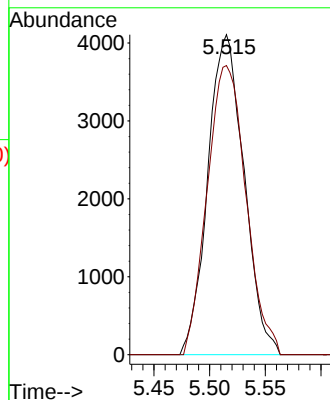
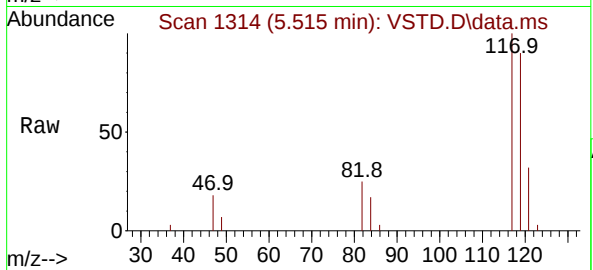




#31
Carbon tetrachloride
Concen: 6.054 ug/L
RT: 5.515 min Scan# 1313
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

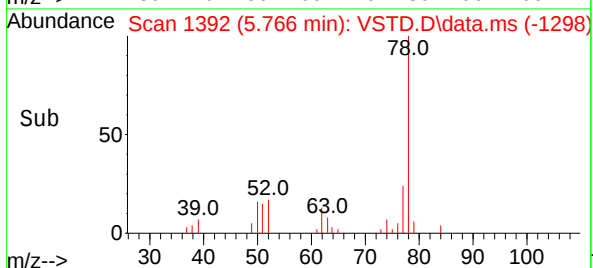
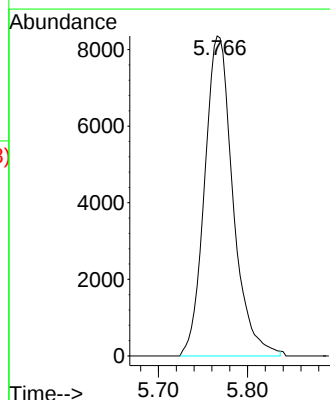
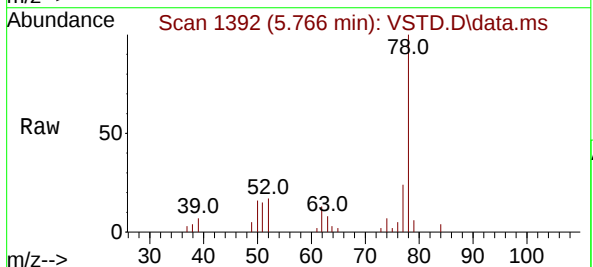
Instrument :
MSVOA_U
ClientSampleId :

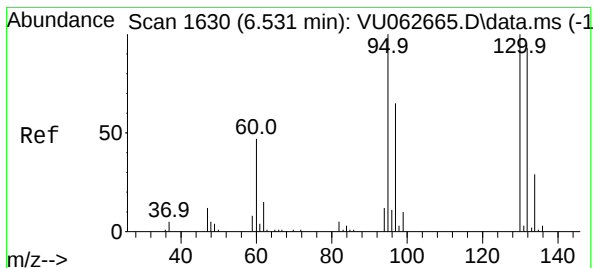
Tgt Ion:117 Resp: 9289
Ion Ratio Lower Upper
117 100
119 96.7 77.7 116.5



#33
Benzene
Concen: 4.889 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

Tgt Ion: 78 Resp: 18479





#34

Trichloroethene

Concen: 6.753 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 7119

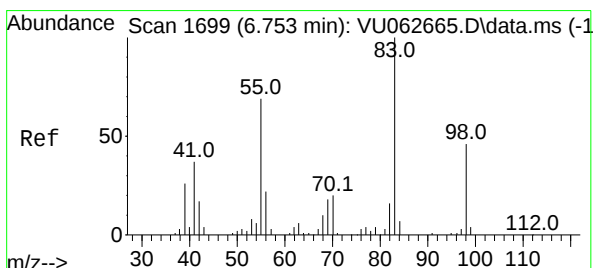
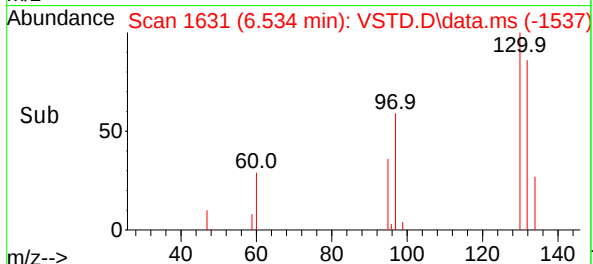
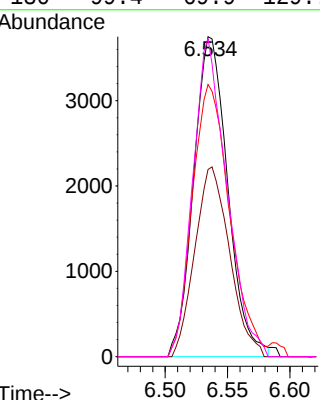
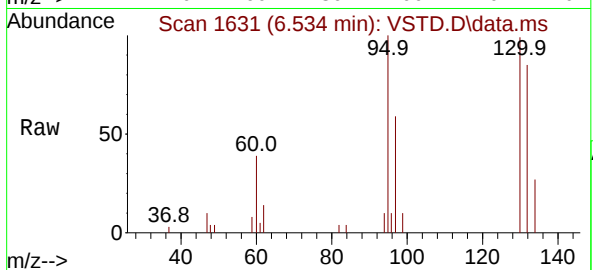
Ion Ratio Lower Upper

95 100

97 58.5 45.5 84.5

132 85.1 65.1 120.9

130 99.4 69.9 129.7



#35

Methylcyclohexane

Concen: 4.962 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

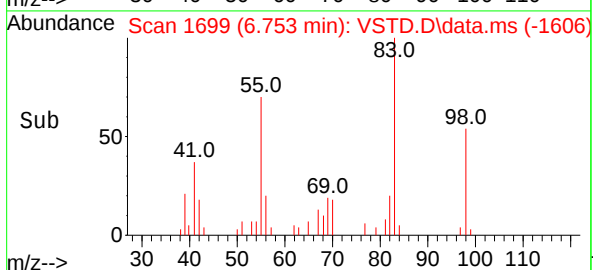
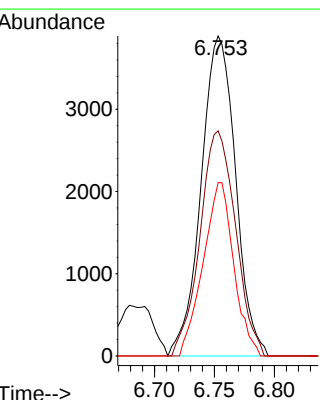
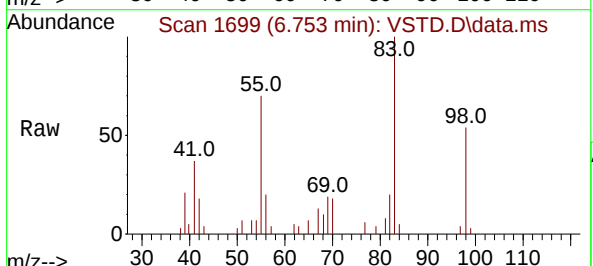
Tgt Ion: 83 Resp: 7776

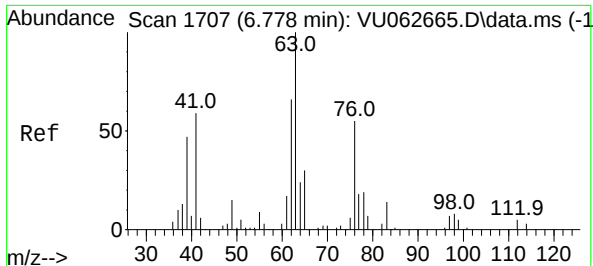
Ion Ratio Lower Upper

83 100

55 72.7 55.6 83.4

98 48.1 36.6 54.8

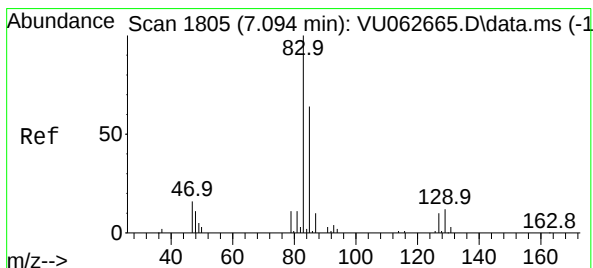
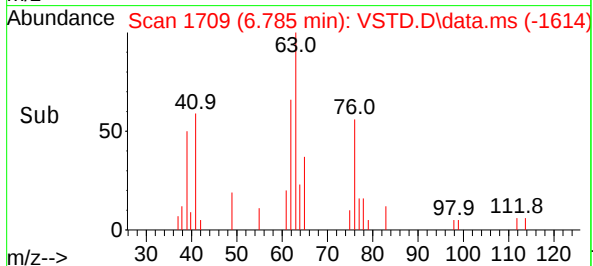
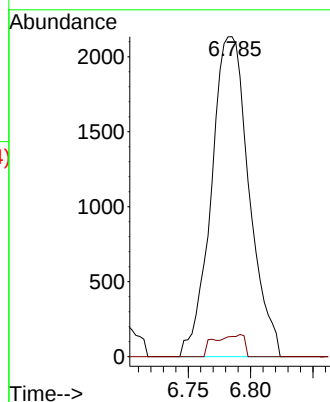
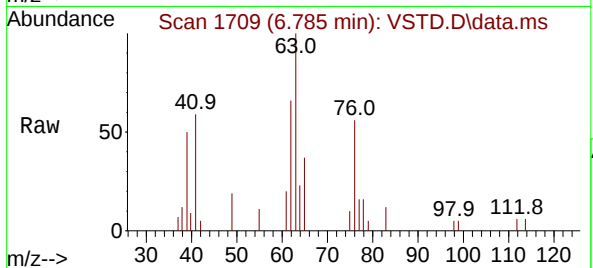




#37
1,2-Dichloropropane
Concen: 4.559 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.007 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

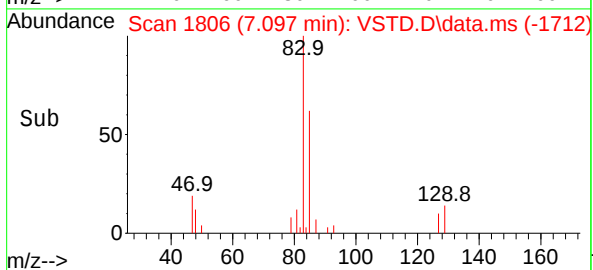
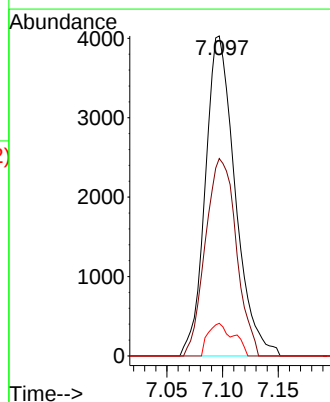
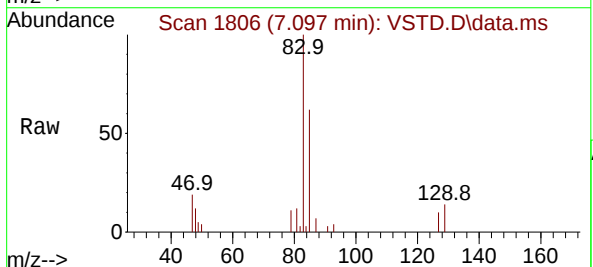
Instrument :
MSVOA_U
ClientSampleId :

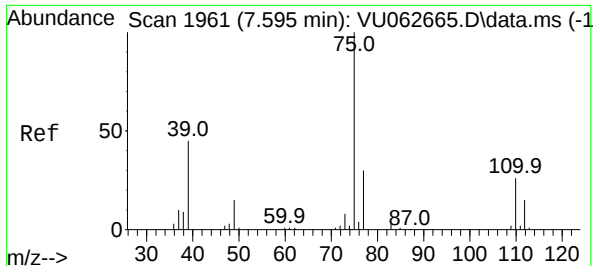
Tgt Ion: 63 Resp: 4500
Ion Ratio Lower Upper
63 100
112 2.2 3.6 5.4#



#38
Bromodichloromethane
Concen: 5.394 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

Tgt Ion: 83 Resp: 7522
Ion Ratio Lower Upper
83 100
85 61.7 44.9 83.3
127 10.2 7.8 11.6

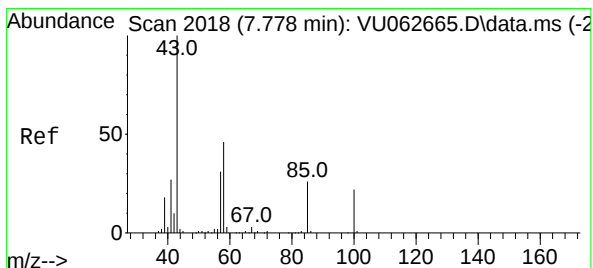
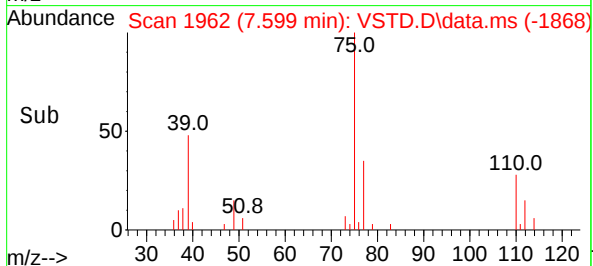
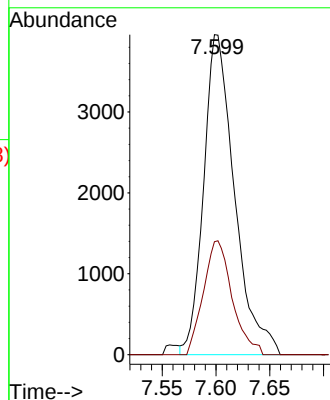
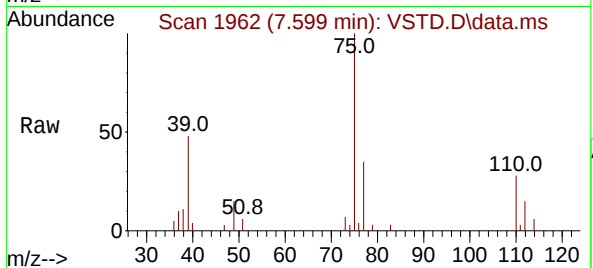




#39
 cis-1,3-Dichloropropene
 Concen: 4.834 ug/L
 RT: 7.599 min Scan# 1961
 Delta R.T. 0.003 min
 Lab File: VSTD.D
 Acq: 08 Jan 2025 09:34

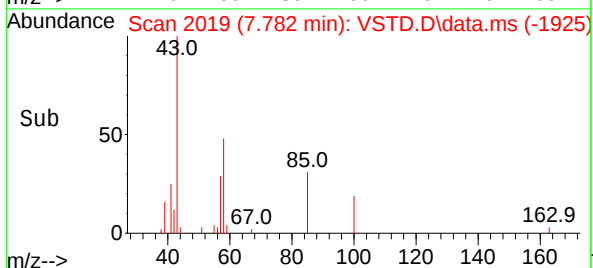
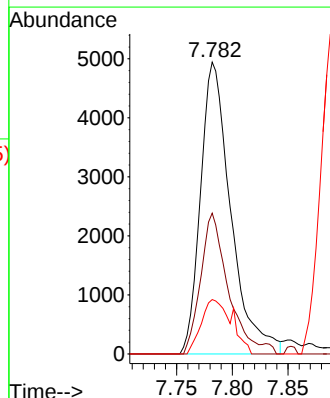
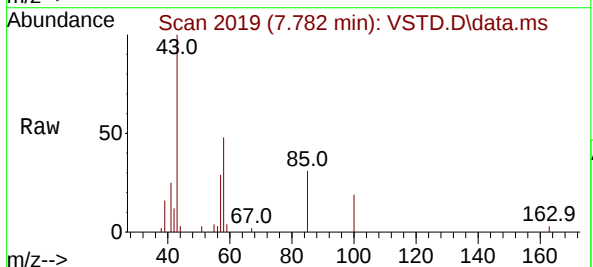
Instrument :
 MSVOA_U
 ClientSampleId :

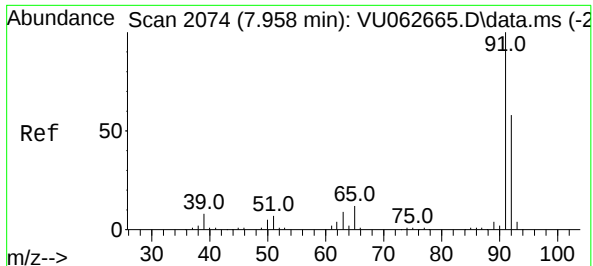
Tgt Ion: 75 Resp: 7897
 Ion Ratio Lower Upper
 75 100
 77 35.3 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 7.779 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.003 min
 Lab File: VSTD.D
 Acq: 08 Jan 2025 09:34

Tgt Ion: 43 Resp: 9342
 Ion Ratio Lower Upper
 43 100
 58 43.0 35.6 53.4
 100 15.3 16.9 25.3#

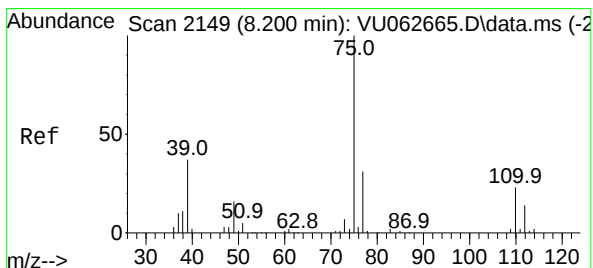
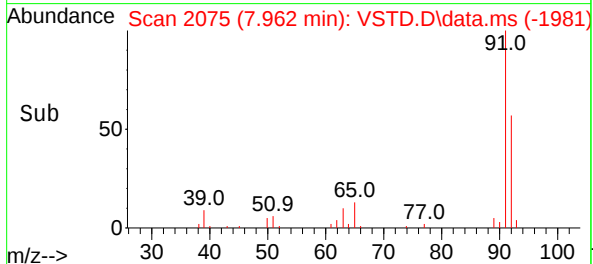
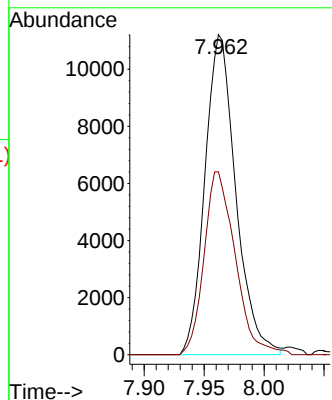
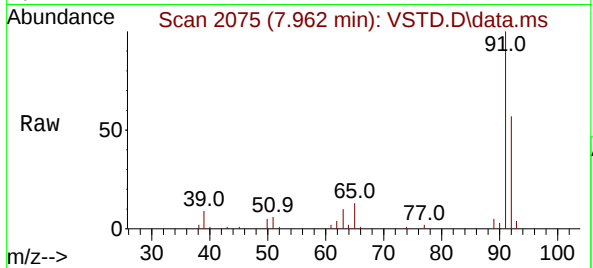




#42
Toluene
Concen: 4.934 ug/L
RT: 7.962 min Scan# 2074
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

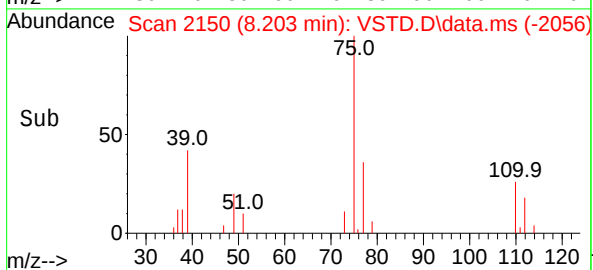
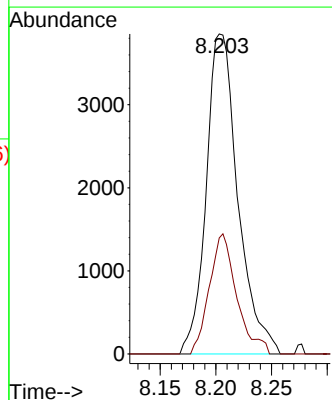
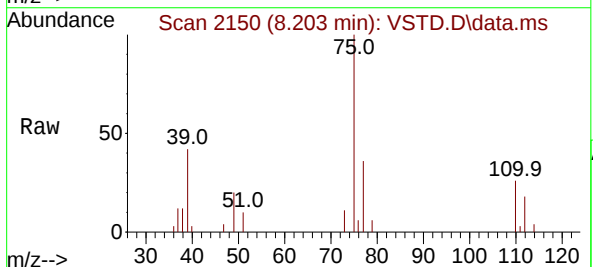
Instrument :
MSVOA_U
ClientSampleId :

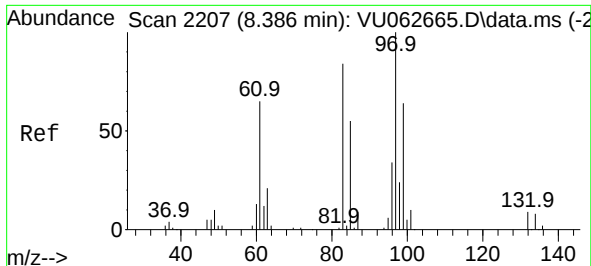
Tgt Ion: 91 Resp: 20110
Ion Ratio Lower Upper
91 100
92 57.2 40.3 74.9



#44
trans-1,3-Dichloropropene
Concen: 4.985 ug/L
RT: 8.203 min Scan# 2150
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

Tgt Ion: 75 Resp: 7625
Ion Ratio Lower Upper
75 100
77 36.2 21.4 39.8





#45

1,1,2-Trichloroethane

Concen: 4.840 ug/L

RT: 8.390 min Scan# 21

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 4830

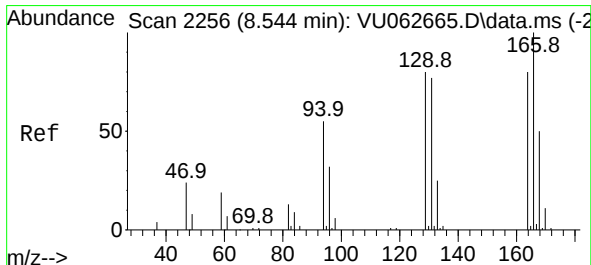
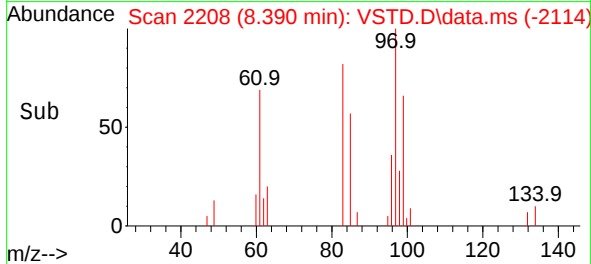
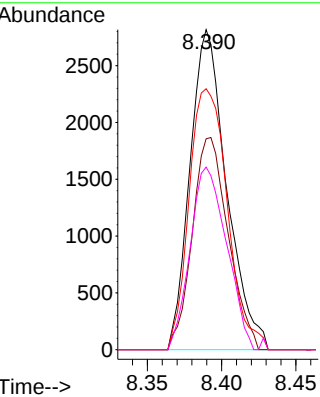
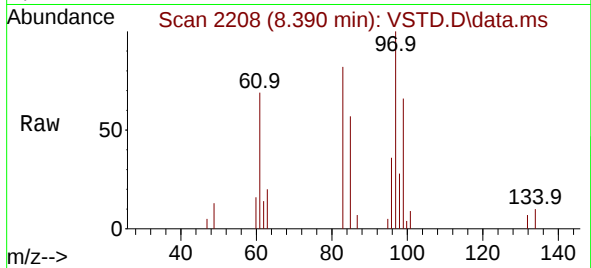
Ion Ratio Lower Upper

97 100

99 65.9 45.0 83.6

83 81.5 58.9 109.3

85 57.1 38.5 71.5



#46

Tetrachloroethene

Concen: 5.591 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Tgt Ion:164 Resp: 4513

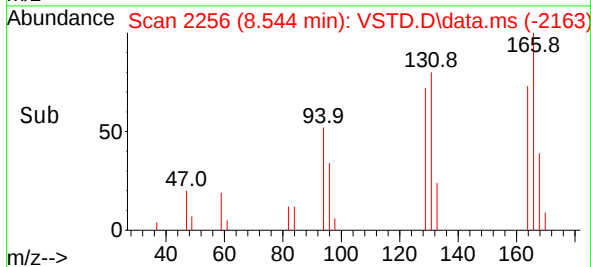
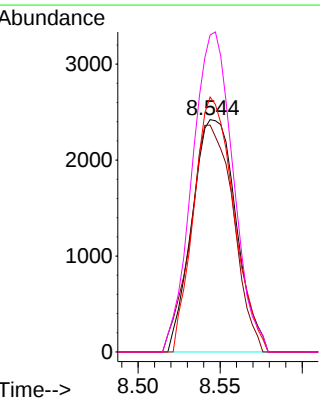
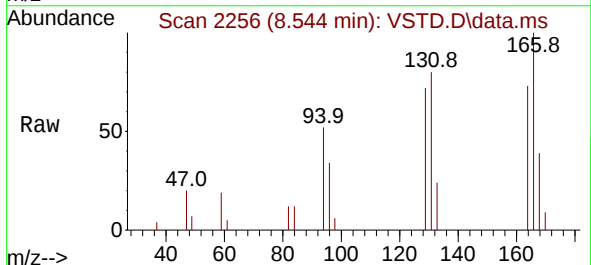
Ion Ratio Lower Upper

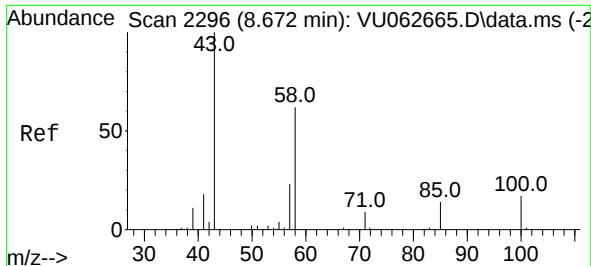
164 100

129 97.6 69.7 129.5

131 109.7 67.3 124.9

166 136.5 87.1 161.7





#48

2-Hexanone

Concen: 6.510 ug/L

RT: 8.679 min Scan# 2296

Delta R.T. 0.007 min

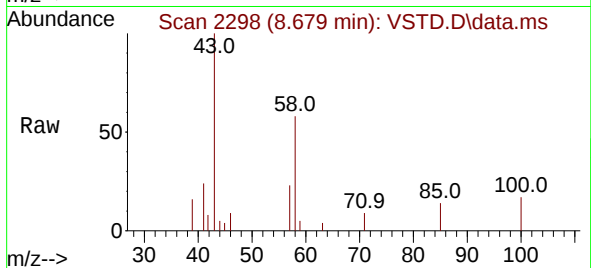
Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 6460

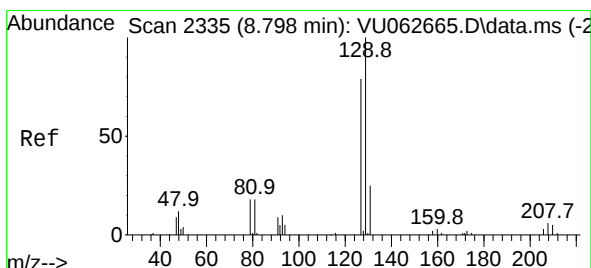
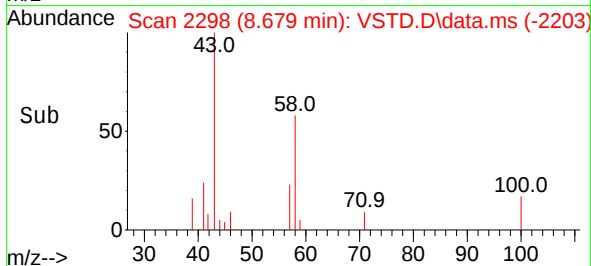
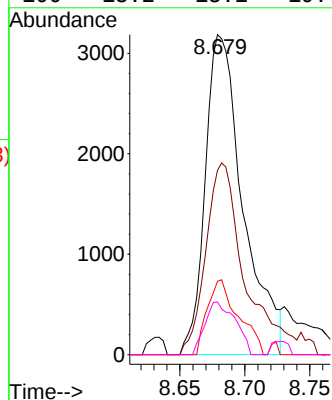
Ion Ratio Lower Upper

43 100

58 61.3 48.6 73.0

57 19.1 18.6 28.0

100 13.2 13.1 19.7



#49

Dibromochloromethane

Concen: 5.849 ug/L

RT: 8.798 min Scan# 2335

Delta R.T. 0.000 min

Lab File: VSTD.D

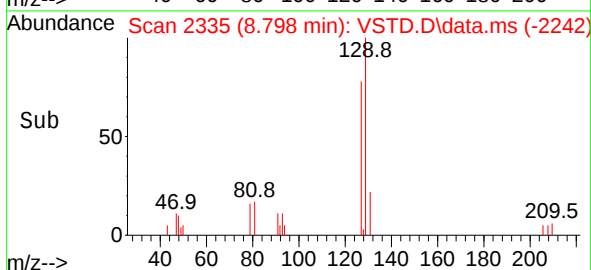
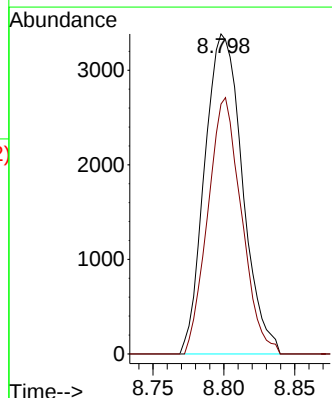
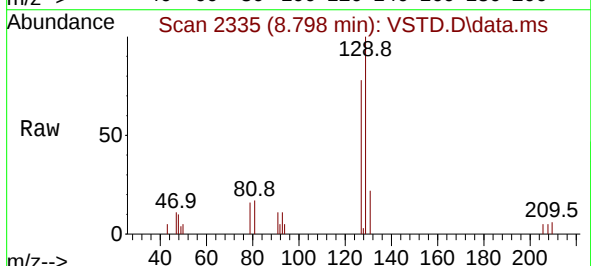
Acq: 08 Jan 2025 09:34

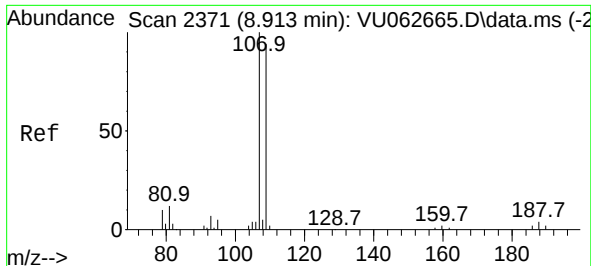
Tgt Ion: 129 Resp: 6277

Ion Ratio Lower Upper

129 100

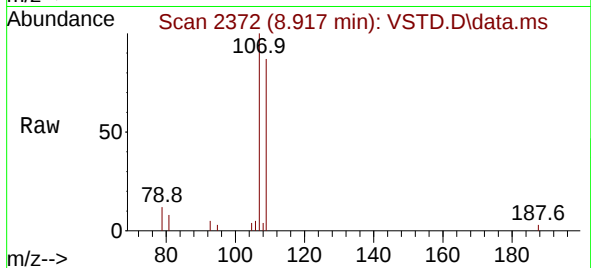
127 78.1 55.2 102.6



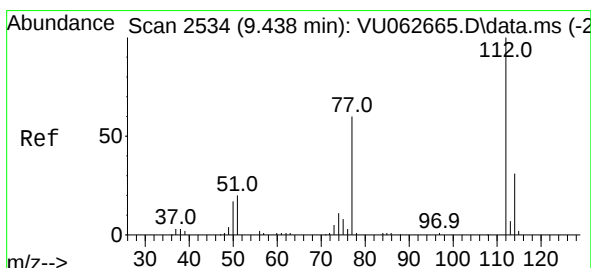
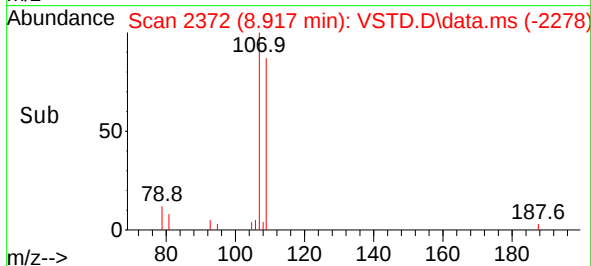
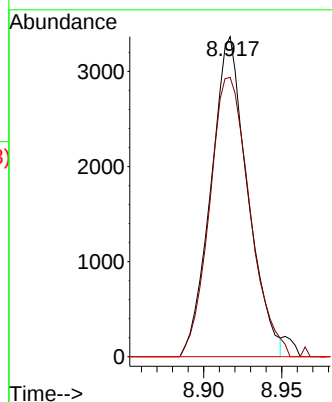


#50
1,2-Dibromoethane
Concen: 5.044 ug/L
RT: 8.917 min Scan# 241
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

Instrument :
MSVOA_U
ClientSampleId :

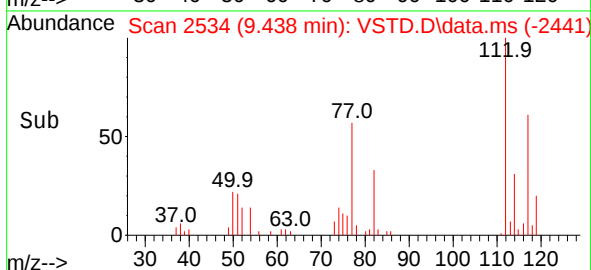
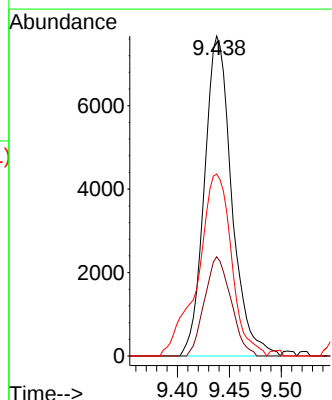
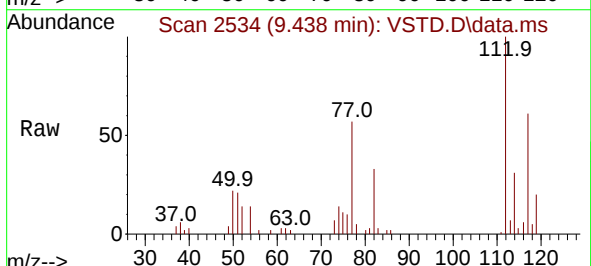


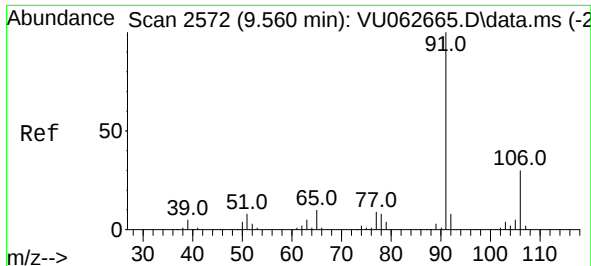
Tgt Ion:107 Resp: 5490
Ion Ratio Lower Upper
107 100
109 87.3 65.8 122.2
188 0.0 2.9 4.3#



#51
Chlorobenzene
Concen: 5.387 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

Tgt Ion:112 Resp: 14019
Ion Ratio Lower Upper
112 100
114 33.8 21.7 40.3
77 56.8 48.7 73.1





#52

Ethylbenzene

Concen: 4.985 ug/L

RT: 9.563 min Scan# 2572

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Instrument :

MSVOA_U

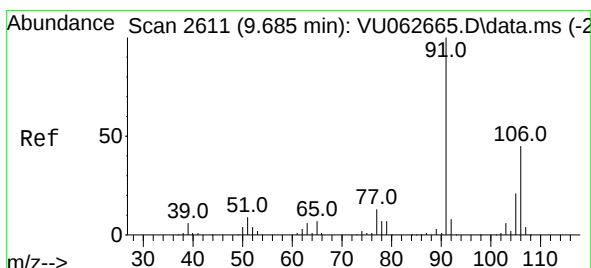
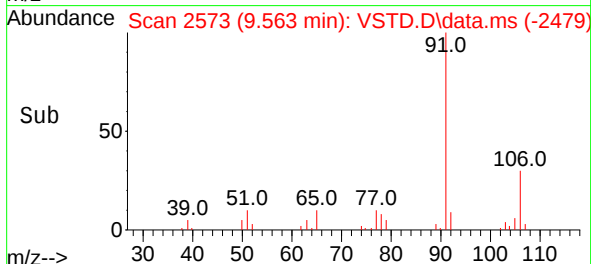
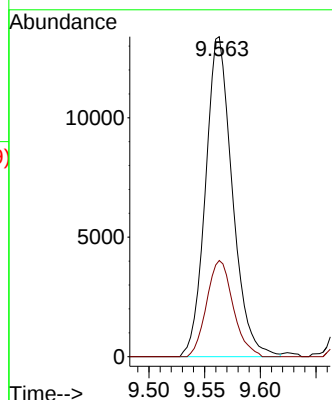
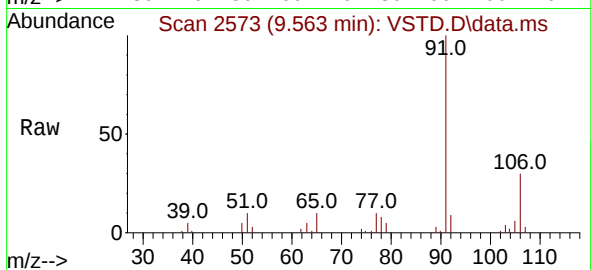
ClientSampleId :

Tgt Ion: 91 Resp: 22459

Ion Ratio Lower Upper

91 100

106 30.1 20.9 38.9



#53

m,p-Xylene

Concen: 4.753 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VSTD.D

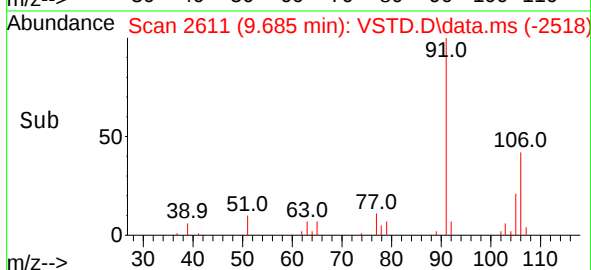
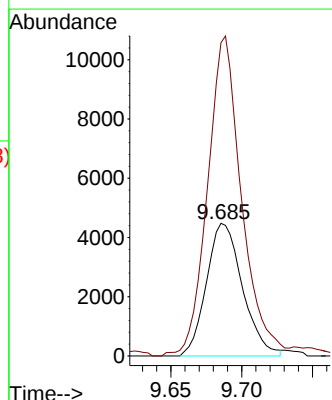
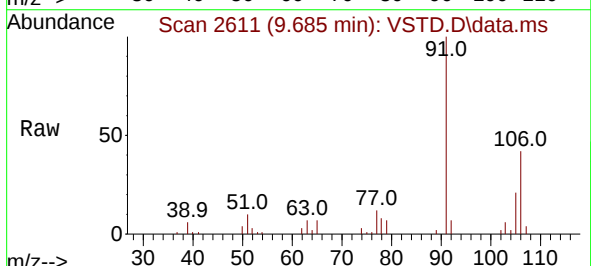
Acq: 08 Jan 2025 09:34

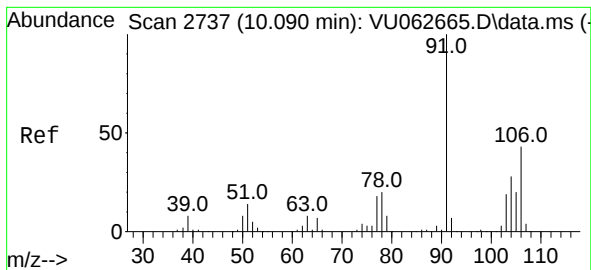
Tgt Ion:106 Resp: 7920

Ion Ratio Lower Upper

106 100

91 236.3 155.2 288.2





#54

o-Xylene

Concen: 4.839 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Instrument :

MSVOA_U

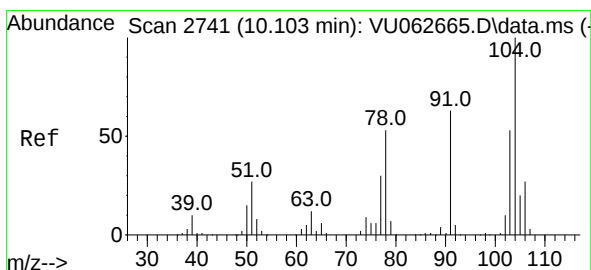
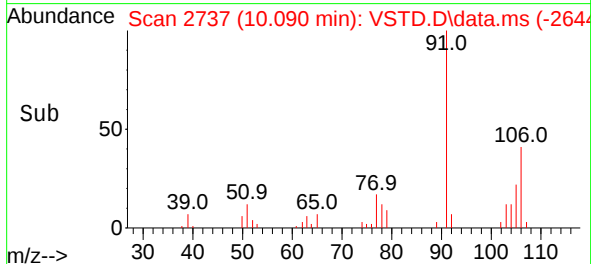
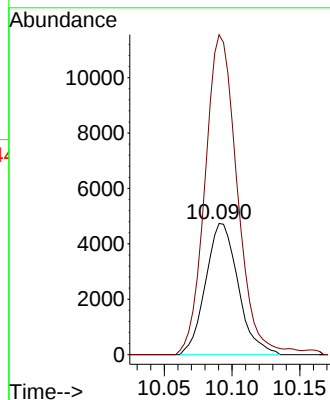
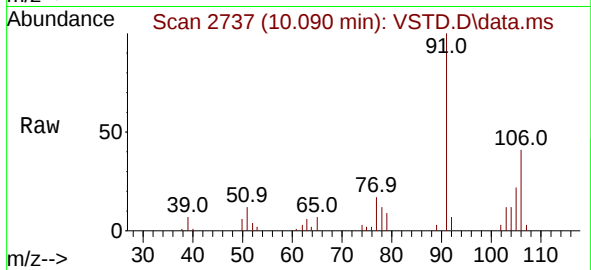
ClientSampleId :

Tgt Ion:106 Resp: 7914

Ion Ratio Lower Upper

106 100

91 244.0 163.4 303.4



#55

Styrene

Concen: 4.709 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.007 min

Lab File: VSTD.D

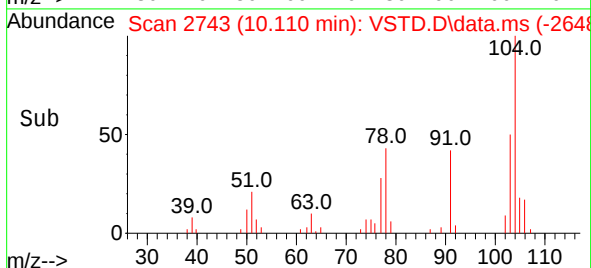
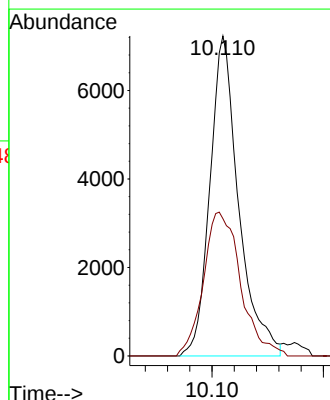
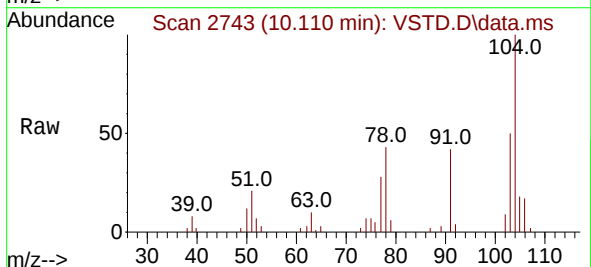
Acq: 08 Jan 2025 09:34

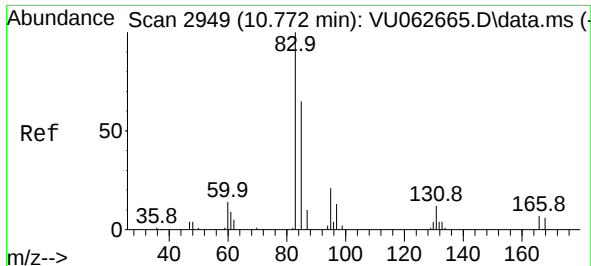
Tgt Ion:104 Resp: 12961

Ion Ratio Lower Upper

104 100

78 42.9 37.4 69.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.621 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

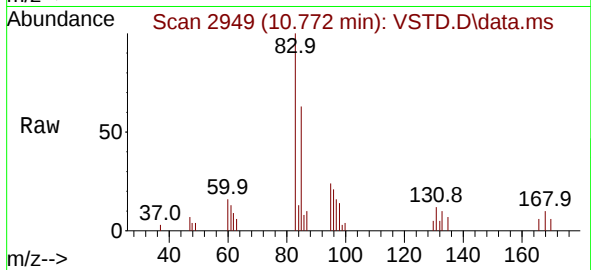
Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

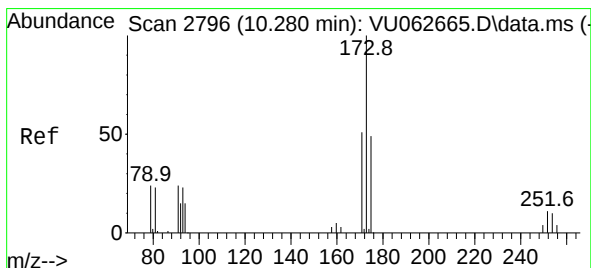
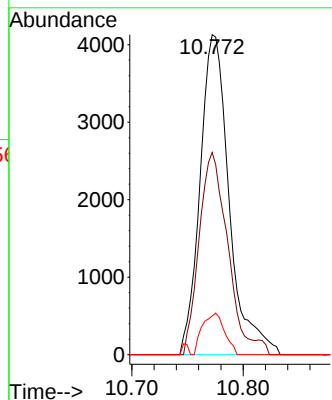
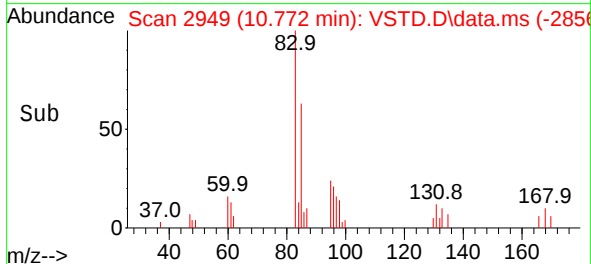
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	83	Resp:	7511
Ion	Ratio	Lower	Upper
83	100		
85	63.2	46.5	86.5
131	12.1	10.1	15.1



#59

Bromoform

Concen: 5.991 ug/L

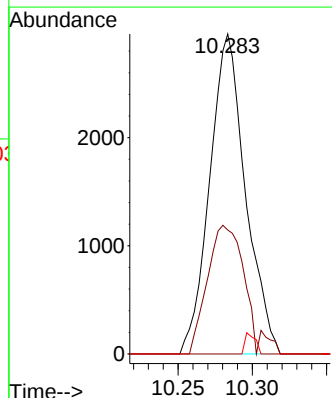
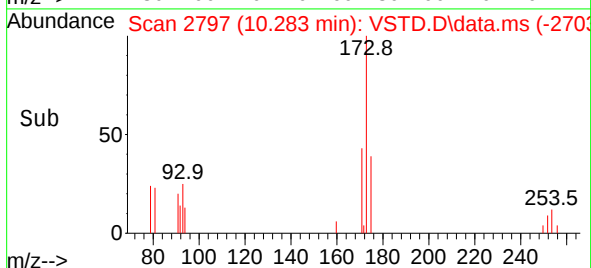
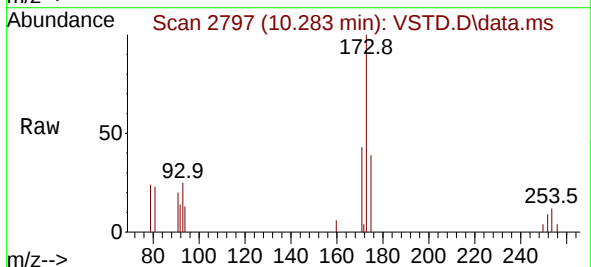
RT: 10.283 min Scan# 2797

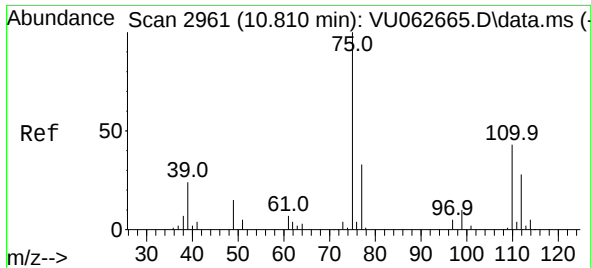
Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Tgt Ion:	173	Resp:	4948
Ion	Ratio	Lower	Upper
173	100		
175	40.0	38.8	58.2
254	0.0	7.2	10.8#





#60

1,2,3-Trichloropropane

Concen: 4.791 ug/L

RT: 10.814 min Scan# 2961

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Instrument :

MSVOA_U

ClientSampleId :

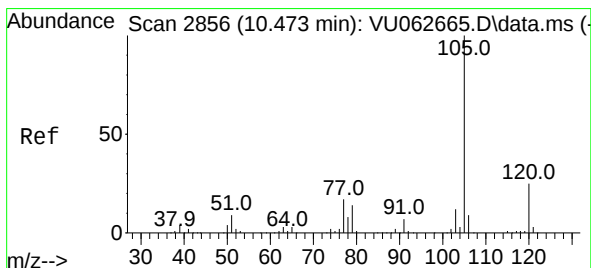
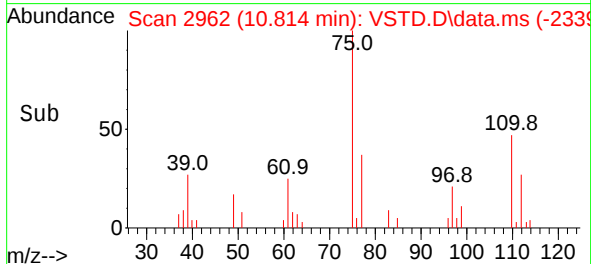
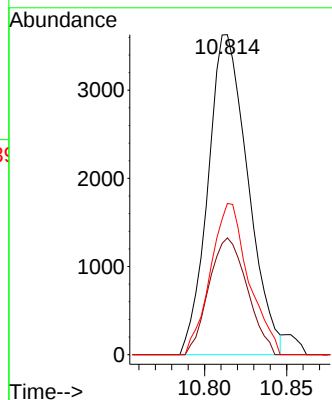
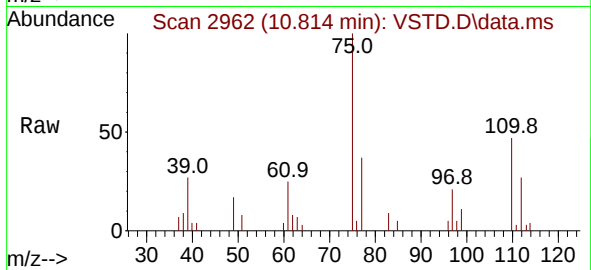
Tgt Ion: 75 Resp: 6138

Ion Ratio Lower Upper

75 100

77 35.0 26.6 40.0

110 45.1 34.6 52.0



#61

Isopropylbenzene

Concen: 5.233 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

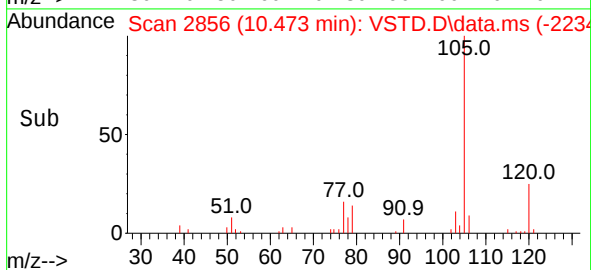
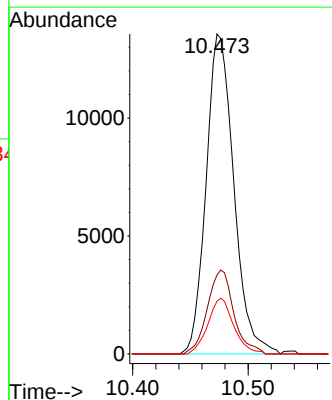
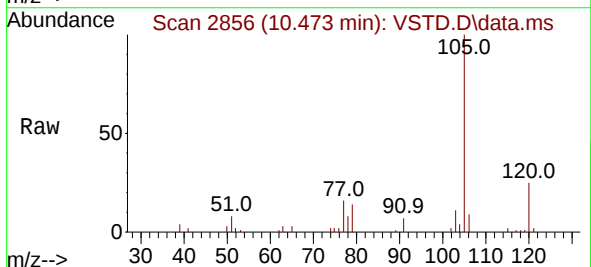
Tgt Ion:105 Resp: 22593

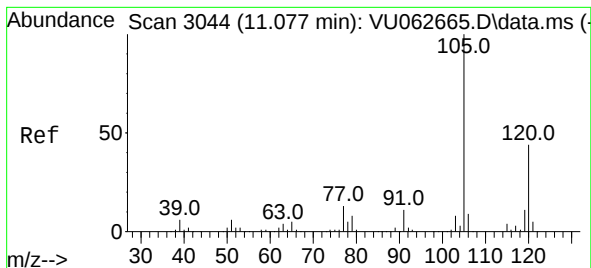
Ion Ratio Lower Upper

105 100

120 25.0 20.1 30.1

77 16.1 13.3 19.9





#62

1,3,5-Trimethylbenzene

Concen: 5.025 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Instrument :

MSVOA_U

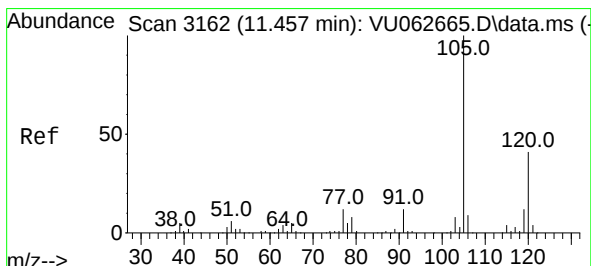
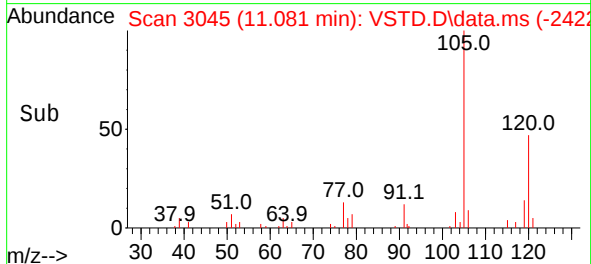
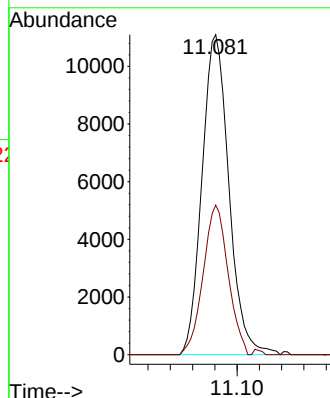
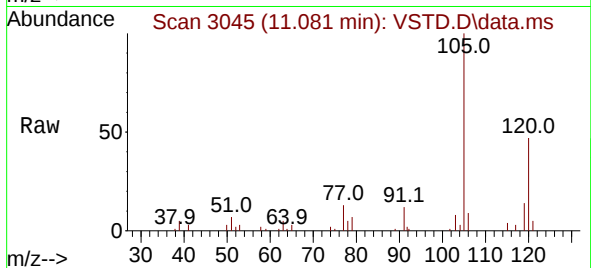
ClientSampleId :

Tgt Ion:105 Resp: 18619

Ion Ratio Lower Upper

105 100

120 43.3 36.0 54.0



#63

1,2,4-Trimethylbenzene

Concen: 4.856 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VSTD.D

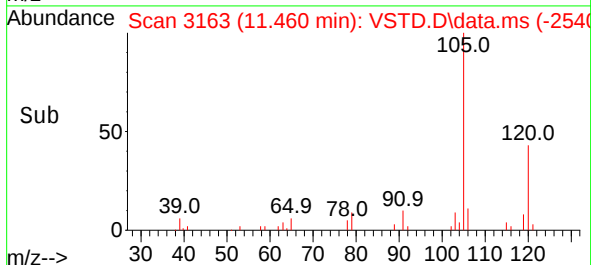
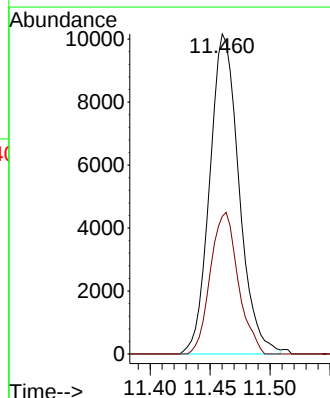
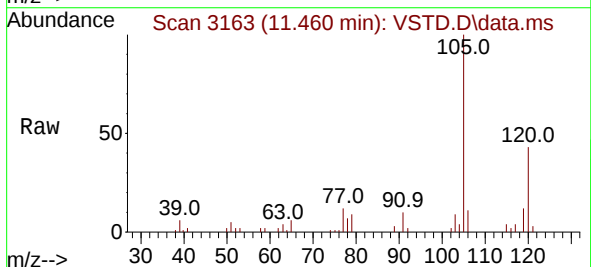
Acq: 08 Jan 2025 09:34

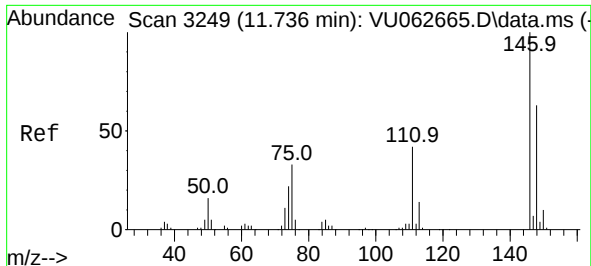
Tgt Ion:105 Resp: 17269

Ion Ratio Lower Upper

105 100

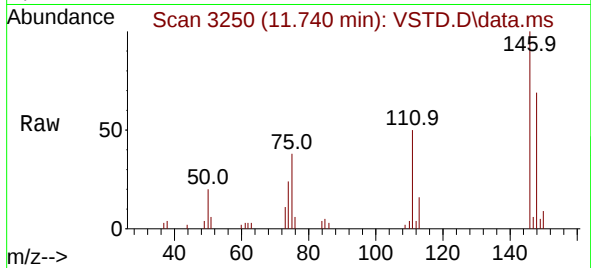
120 41.9 33.7 50.5



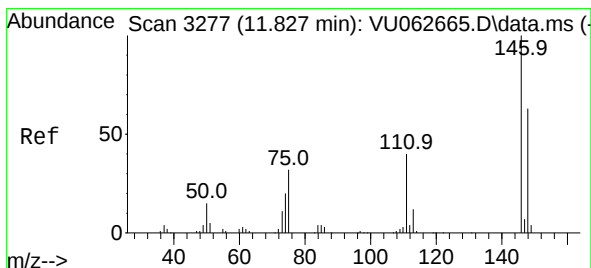
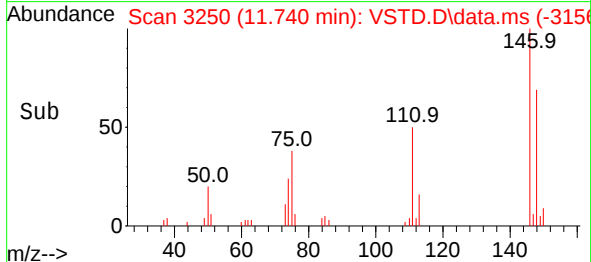
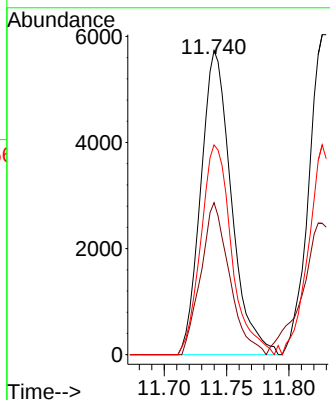


#64
1,3-Dichlorobenzene
Concen: 4.856 ug/L
RT: 11.740 min Scan# 3249
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

Instrument :
MSVOA_U
ClientSampleId :

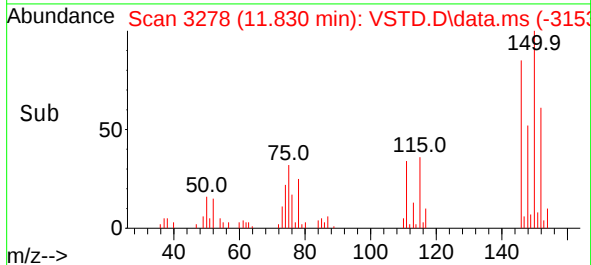
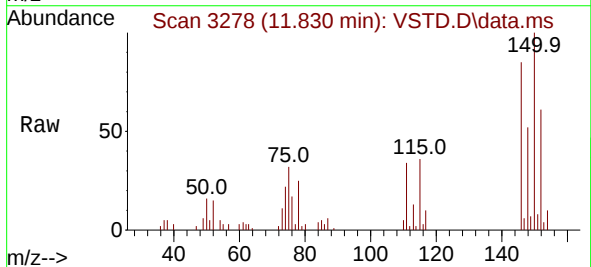
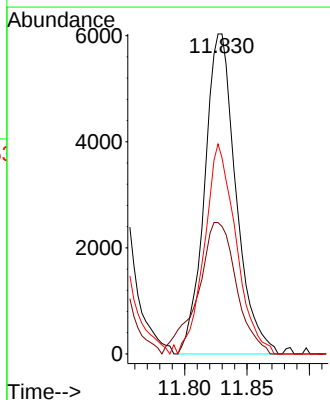


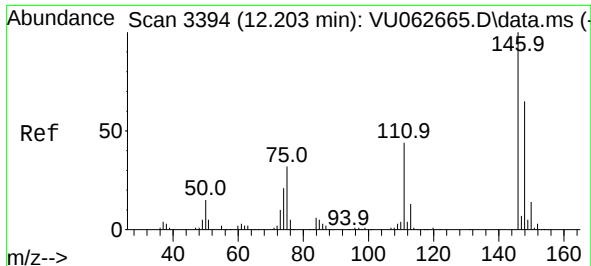
Tgt Ion:146 Resp: 9765
Ion Ratio Lower Upper
146 100
111 50.0 29.7 55.1
148 68.9 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 5.172 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 08 Jan 2025 09:34

Tgt Ion:146 Resp: 10575
Ion Ratio Lower Upper
146 100
111 37.1 28.3 52.7
148 64.8 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 4.746 ug/L

RT: 12.206 min Scan# 3411

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Instrument :

MSVOA_U

ClientSampleId :

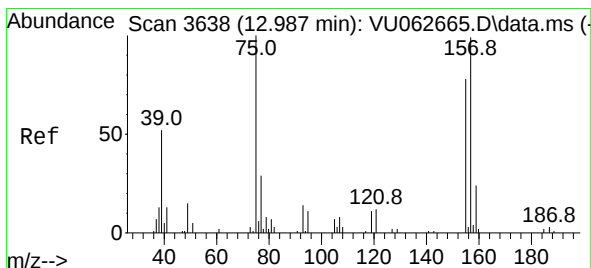
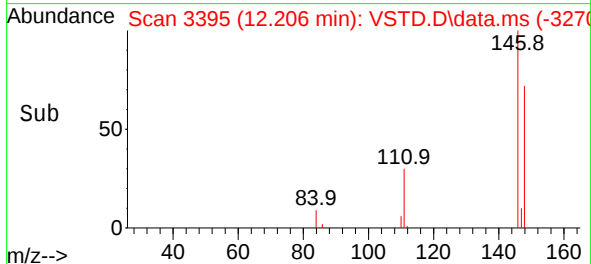
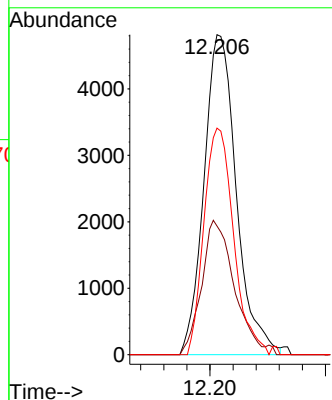
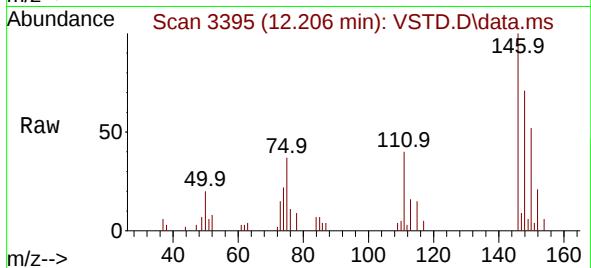
Tgt Ion:146 Resp: 9372

Ion Ratio Lower Upper

146 100

111 43.6 35.6 53.4

148 70.8 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.493 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.010 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

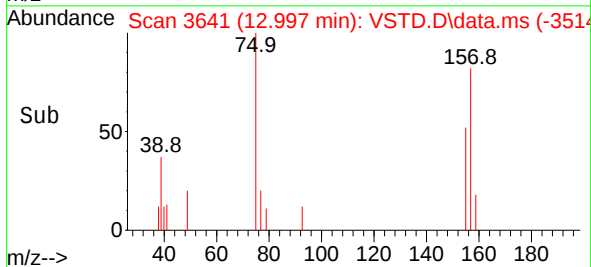
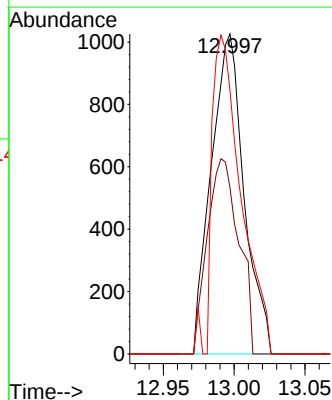
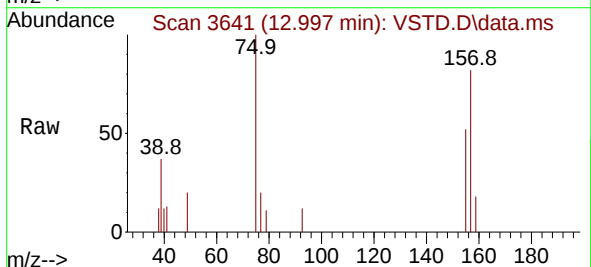
Tgt Ion: 75 Resp: 1657

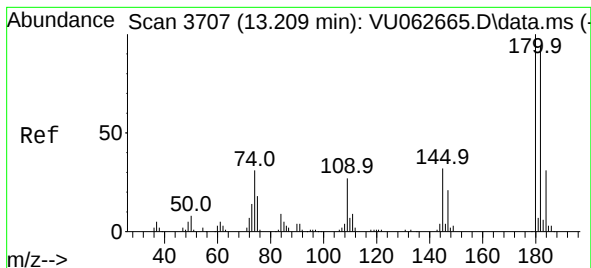
Ion Ratio Lower Upper

75 100

155 52.0 62.0 93.0#

157 82.5 82.1 123.1





#69

1,3,5-Trichlorobenzene

Concen: 4.465 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.007 min

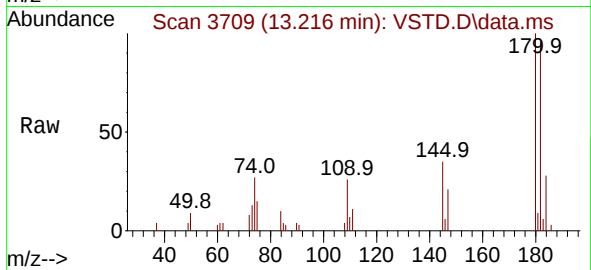
Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 6300

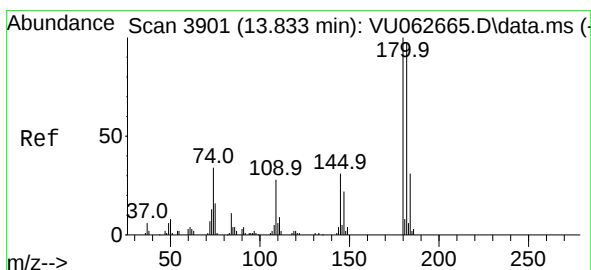
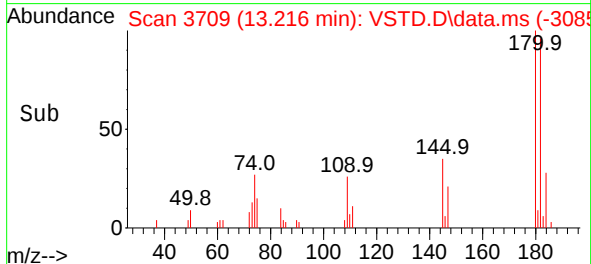
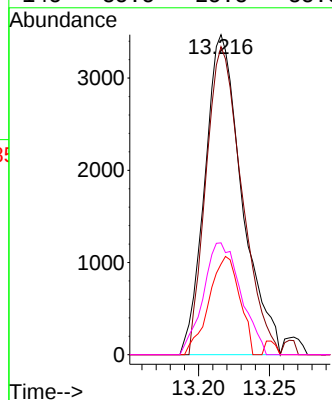
Ion Ratio Lower Upper

180 100

182 92.8 76.1 114.1

184 25.5 24.5 36.7

145 35.5 25.8 38.8



#70

1,2,4-trichlorobenzene

Concen: 3.342 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.007 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

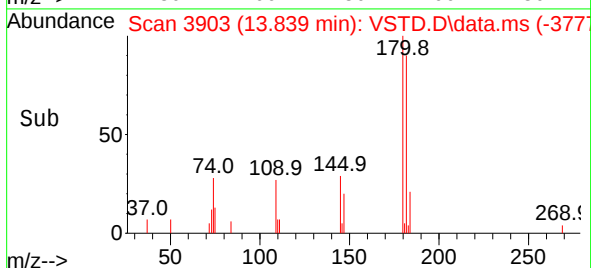
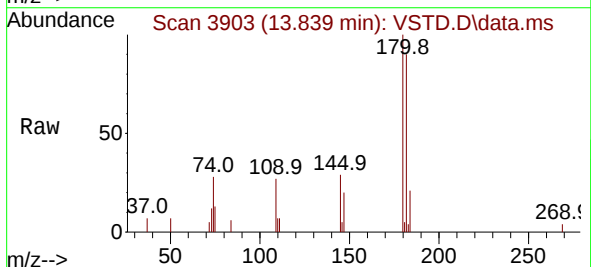
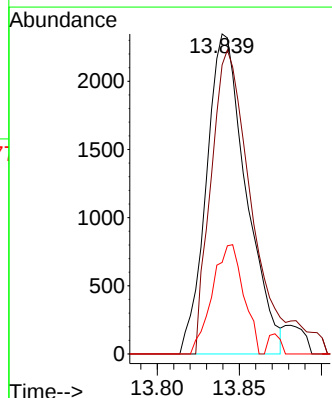
Tgt Ion:180 Resp: 3951

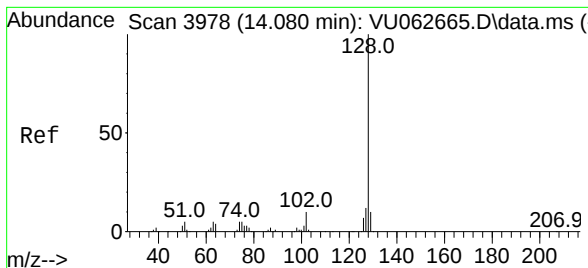
Ion Ratio Lower Upper

180 100

182 93.8 75.6 113.4

145 26.9 25.6 38.4





#71

Naphthalene

Concen: 2.329 ug/L

RT: 14.094 min Scan# 3978

Delta R.T. 0.013 min

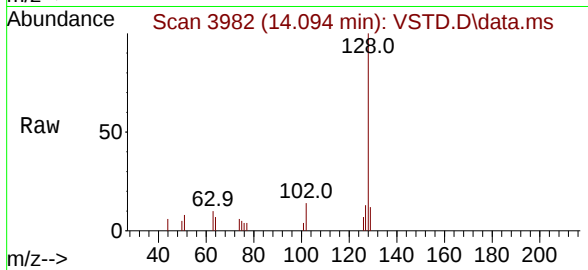
Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Instrument :

MSVOA_U

ClientSampleId :



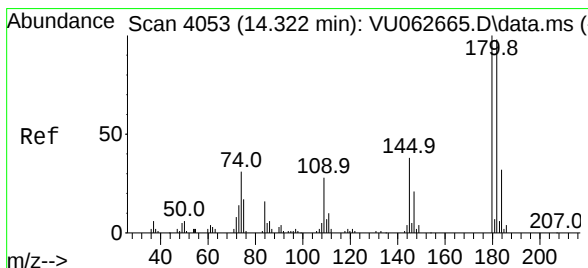
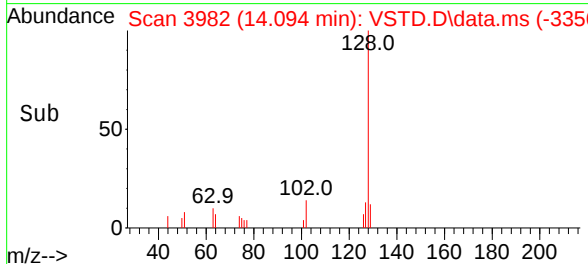
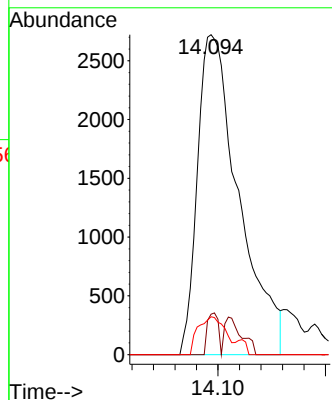
Tgt Ion:128 Resp: 7257

Ion Ratio Lower Upper

128 100

127 3.4 10.2 15.2#

129 7.6 8.6 12.8#



#72

1,2,3-Trichlorobenzene

Concen: 3.162 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 08 Jan 2025 09:34

Tgt Ion:180 Resp: 3551

Ion Ratio Lower Upper

180 100

182 97.2 79.0 118.4

145 32.4 29.5 44.3

