

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020425\
 Data File : VSTD.D
 Acq On : 04 Feb 2025 12:38
 Operator : MD/SY
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 05 07:27:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 05 07:27:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	92015	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	86629	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	37690	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	2448	0.401	ug/L	0.00
7) Chloroethane-d5	1.901	69	2348	0.456	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	65	1191	0.446	ug/L	0.00
20) 2-Butanone-d5	4.634	46	7233	4.863	ug/L	0.03
24) Chloroform-d	5.052	84	5662	0.453	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	2748	0.467	ug/L	0.00
32) Benzene-d6	5.721	84	10736	0.440	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	3501	0.434	ug/L	0.00
41) Toluene-d8	7.891	98	8859	0.404	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	1181	0.392	ug/L	0.00
46) 2-Hexanone-d5	8.627	63	5140	3.877	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	2857	0.429	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	3055	0.461	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	4223	0.686	ug/L	97
3) Chloromethane	1.518	50	5013	0.676	ug/L	98
5) Vinyl chloride	1.599	62	4726	0.612	ug/L	99
6) Bromomethane	1.846	94	2291	0.551	ug/L	99
8) Chloroethane	1.923	64	2935	0.639	ug/L	96
9) Trichlorofluoromethane	2.129	101	5333	0.533	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	3161	0.497	ug/L	94
12) 1,1-Dichloroethene	2.566	96	3211	0.546	ug/L	96
13) Acetone	2.618	43	5629	6.279	ug/L	98
14) Carbon disulfide	2.782	76	11580	0.651	ug/L	98
15) Methyl Acetate	2.952	43	1445	0.610	ug/L #	82
16) Methylene chloride	3.033	84	4094	0.601	ug/L	93
17) Methyl tert-butyl Ether	3.348	73	8142	0.521	ug/L	98
18) trans-1,2-Dichloroethene	3.345	96	3217	0.537	ug/L	98
19) 1,1-Dichloroethane	3.859	63	6540	0.541	ug/L #	96
21) 2-Butanone	4.705	43	7538	5.117	ug/L	99
22) cis-1,2-Dichloroethene	4.656	96	3721	0.517	ug/L	99
23) Bromochloromethane	4.968	128	1614	0.530	ug/L	88
25) Chloroform	5.078	83	6746	0.542	ug/L	98
27) 1,2-Dichloroethane	5.788	62	4092	0.548	ug/L #	93
29) 1,1,1-Trichloroethane	5.303	97	5328	0.526	ug/L	99
30) Cyclohexane	5.373	56	5408	0.564	ug/L	98
31) Carbon tetrachloride	5.508	117	4382	0.507	ug/L	93
33) Benzene	5.766	78	14784	0.540	ug/L	100
34) Trichloroethene	6.534	95	4013	0.558	ug/L	93
35) Methylcyclohexane	6.750	83	5609	0.545	ug/L	95
37) 1,2-Dichloropropane	6.785	63	3850	0.528	ug/L #	90
38) Bromodichloromethane	7.100	83	4656	0.519	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	5249	0.495	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	20376	5.364	ug/L	97
42) Toluene	7.965	91	14841	0.514	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	4342	0.496	ug/L	94

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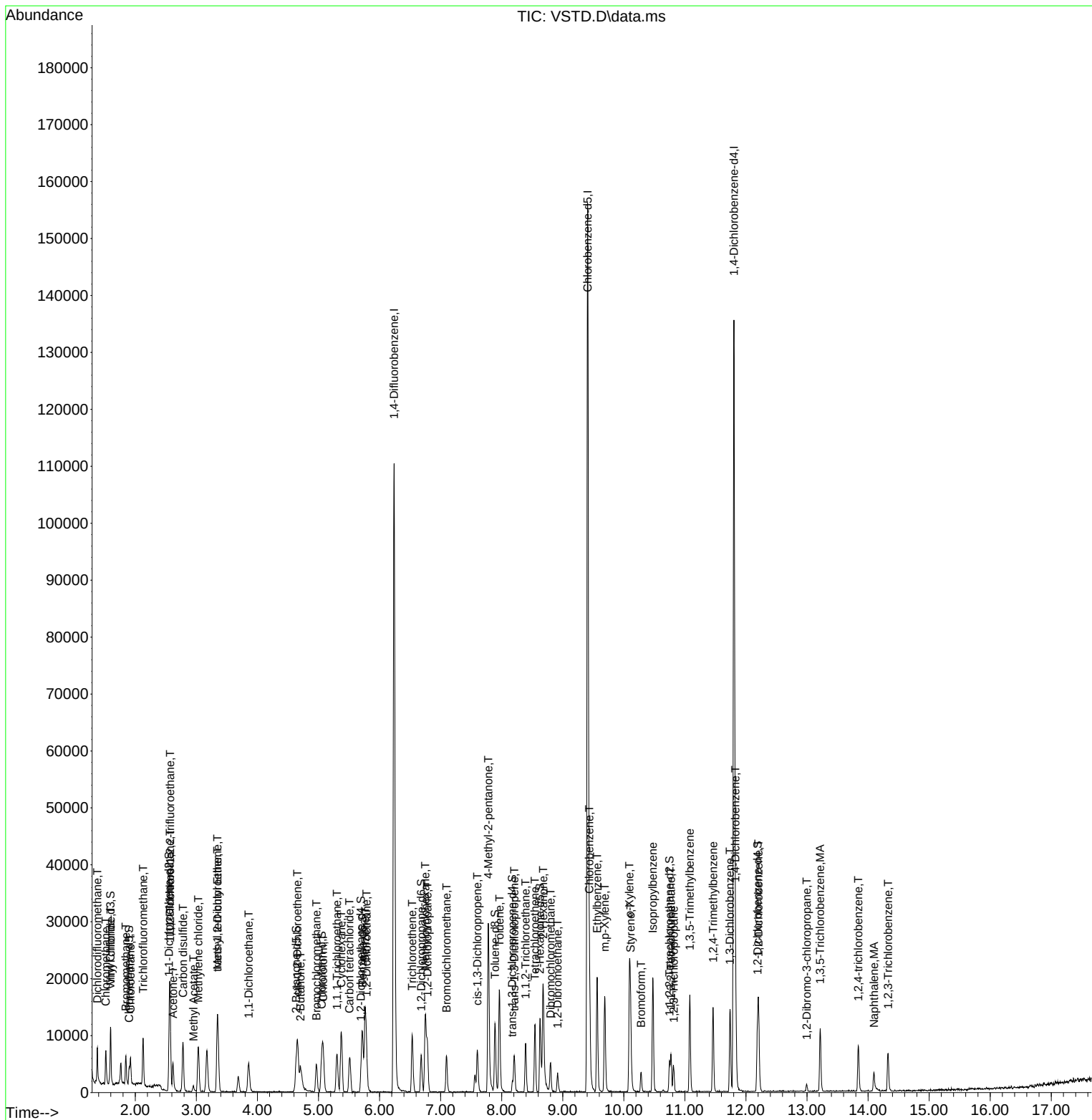
Quant Time: Feb 05 07:27:41 2025
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 05 07:27:04 2025
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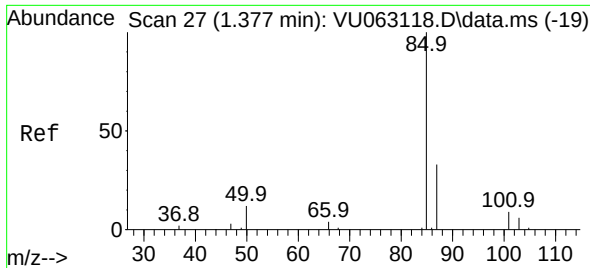
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.393	97	2911	0.533	ug/L	98
47) Tetrachloroethene	8.544	164	2643	0.535	ug/L	90
48) 2-Hexanone	8.679	43	14141	5.330	ug/L	99
49) Dibromochloromethane	8.801	129	2851	0.484	ug/L	94
50) 1,2-Dibromoethane	8.917	107	2541	0.508	ug/L #	95
51) Chlorobenzene	9.438	112	9283	0.530	ug/L	99
52) Ethylbenzene	9.563	91	15331	0.502	ug/L	97
53) m,p-Xylene	9.688	106	5143	0.457	ug/L	96
54) o-Xylene	10.094	106	5142	0.468	ug/L	99
55) Styrene	10.113	104	8015	0.435	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	3614	0.523	ug/L	97
59) Bromoform	10.283	173	1714	0.537	ug/L #	93
60) Isopropylbenzene	10.476	105	13587	0.508	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	2484	0.600	ug/L	94
62) 1,3,5-Trimethylbenzene	11.081	105	10013	0.476	ug/L	95
63) 1,2,4-Trimethylbenzene	11.463	105	8756	0.441	ug/L	96
64) 1,3-Dichlorobenzene	11.740	146	6447	0.534	ug/L	95
65) 1,4-Dichlorobenzene	11.830	146	6632	0.542	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	6166	0.535	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	432	0.635	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	4244	0.529	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	3304	0.587	ug/L	97
71) Naphthalene	14.097	128	4692	0.559	ug/L #	91
72) 1,2,3-Trichlorobenzene	14.328	180	2843	0.564	ug/L	98

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

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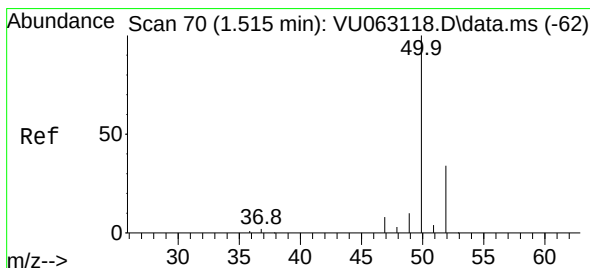
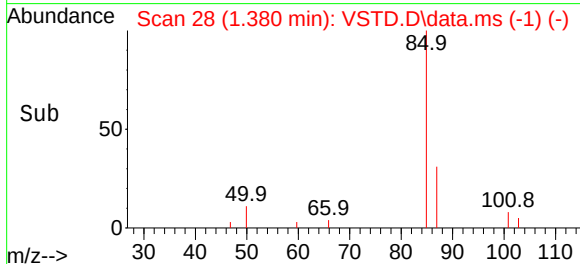
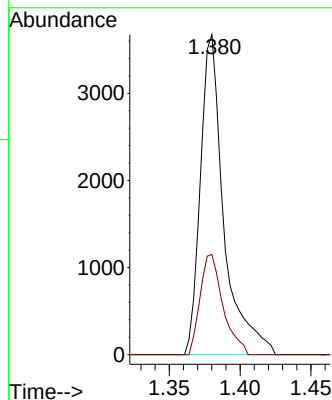
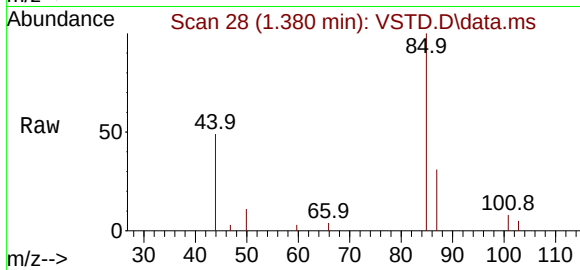




#2
 Dichlorodifluoromethane
 Concen: 0.686 ug/L
 RT: 1.380 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VSTD.D
 Acq: 04 Feb 2025 12:38

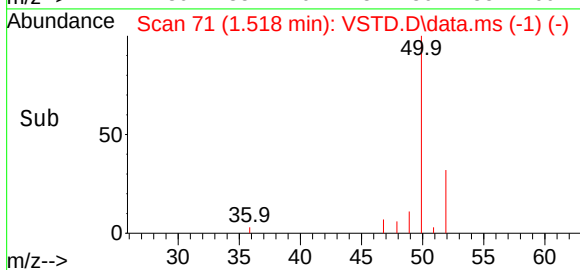
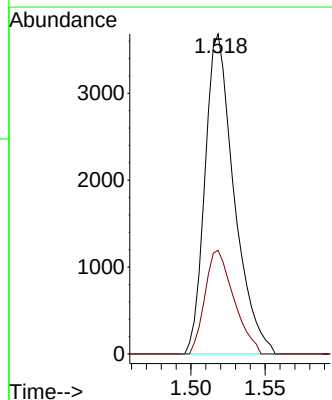
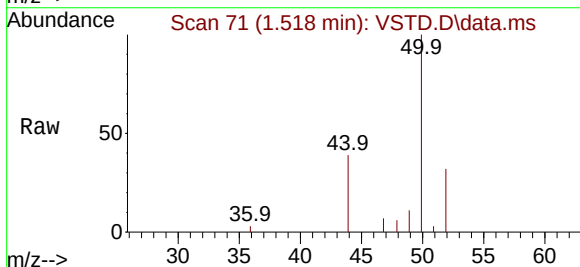
Instrument :
 MSVOA_U
 ClientSampleId :

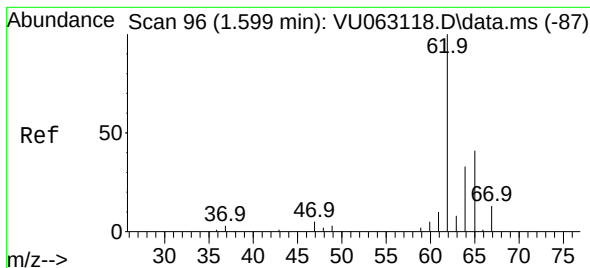
Tgt Ion: 85 Resp: 4223
 Ion Ratio Lower Upper
 85 100
 87 30.6 25.9 38.9



#3
 Chloromethane
 Concen: 0.676 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VSTD.D
 Acq: 04 Feb 2025 12:38

Tgt Ion: 50 Resp: 5013
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.4 43.6





#5

Vinyl chloride

Concen: 0.612 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

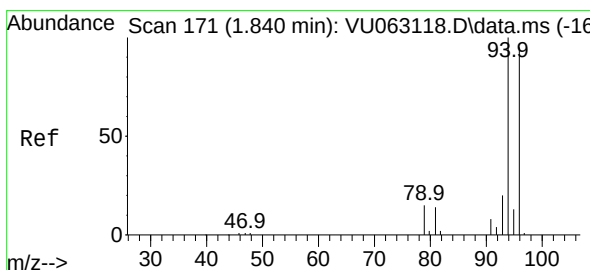
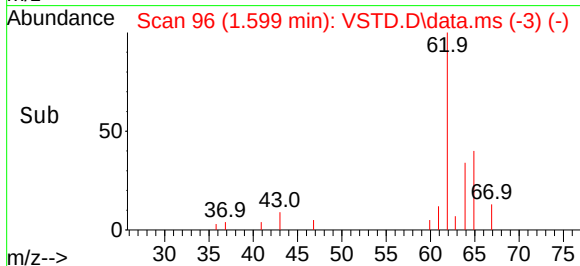
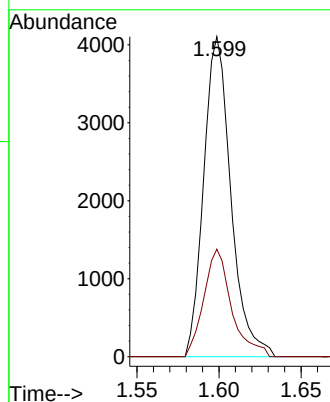
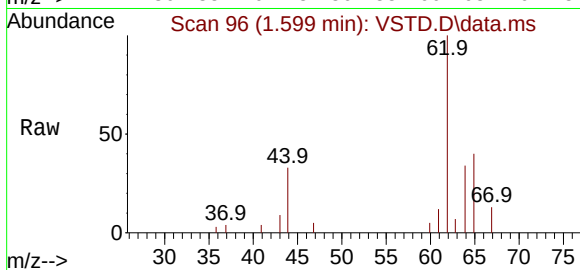
ClientSampleId :

Tgt Ion: 62 Resp: 4726

Ion Ratio Lower Upper

62 100

64 33.6 23.2 43.0



#6

Bromomethane

Concen: 0.551 ug/L

RT: 1.846 min Scan# 173

Delta R.T. 0.006 min

Lab File: VSTD.D

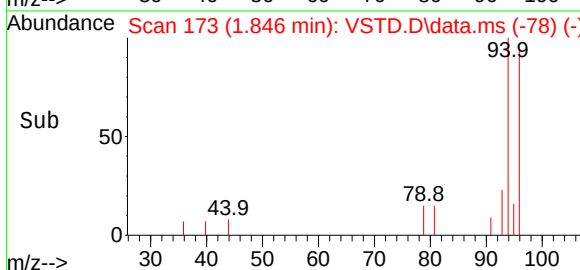
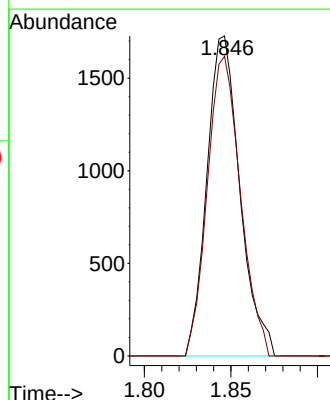
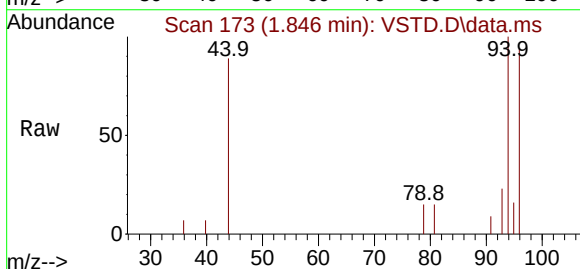
Acq: 04 Feb 2025 12:38

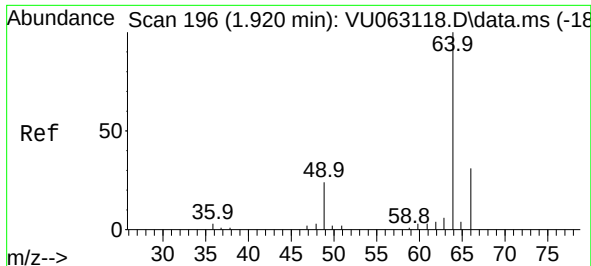
Tgt Ion: 94 Resp: 2291

Ion Ratio Lower Upper

94 100

96 93.6 66.3 123.1





#8

Chloroethane

Concen: 0.639 ug/L

RT: 1.923 min Scan# 196

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

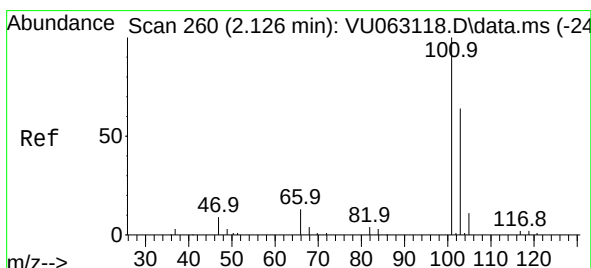
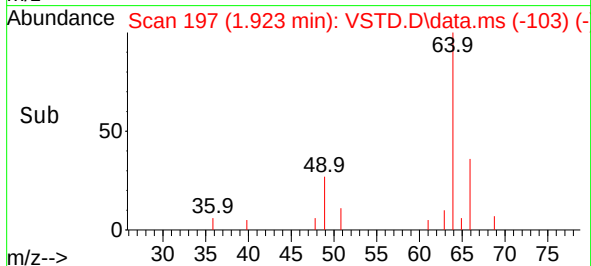
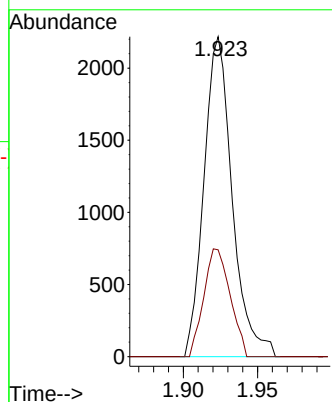
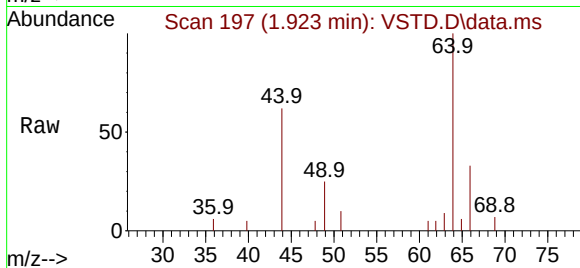
ClientSampleId :

Tgt Ion: 64 Resp: 2935

Ion Ratio Lower Upper

64 100

66 33.4 21.7 40.3



#9

Trichlorofluoromethane

Concen: 0.533 ug/L

RT: 2.129 min Scan# 261

Delta R.T. 0.003 min

Lab File: VSTD.D

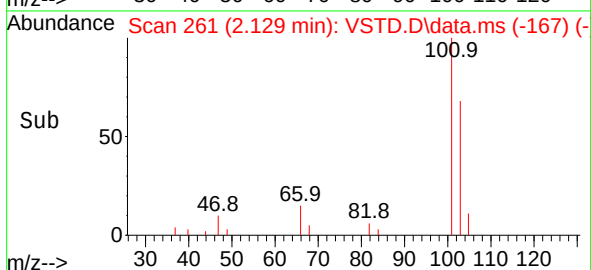
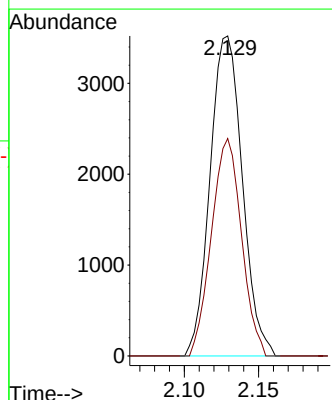
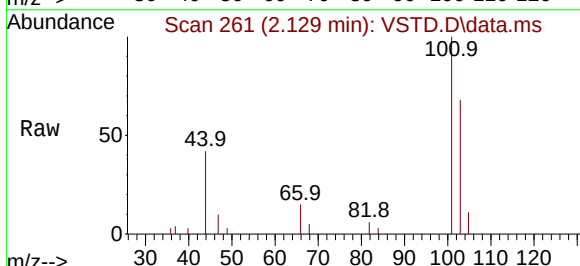
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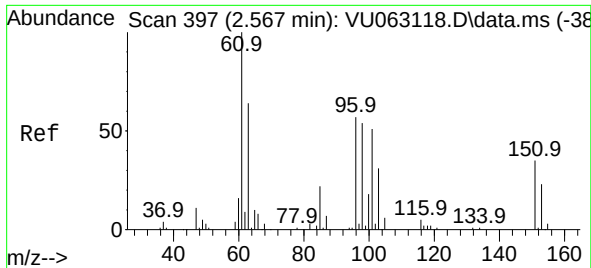
Tgt Ion:101 Resp: 5333

Ion Ratio Lower Upper

101 100

103 63.1 51.8 77.8

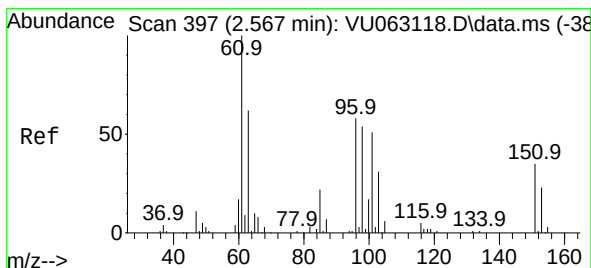
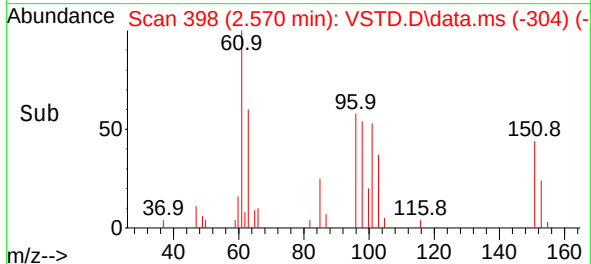
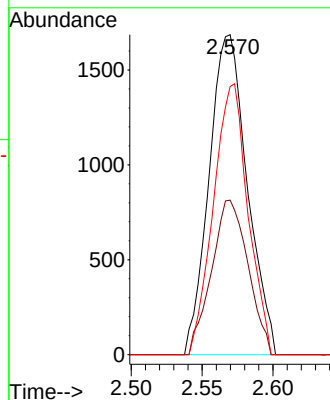
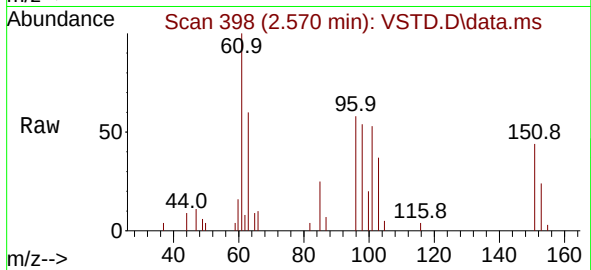




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.497 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

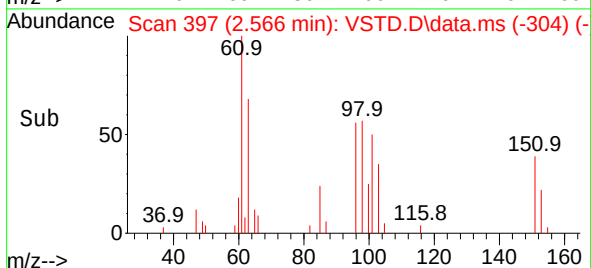
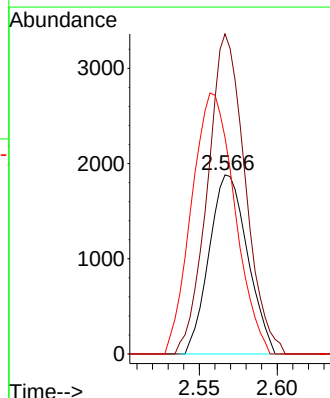
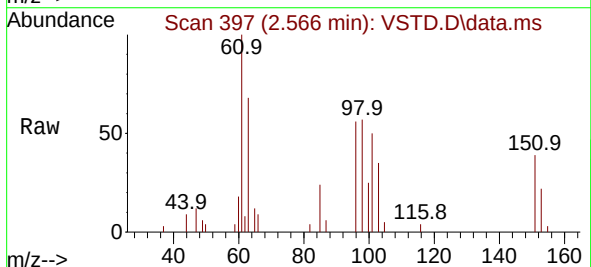
Instrument :
MSVOA_U
ClientSampleId :

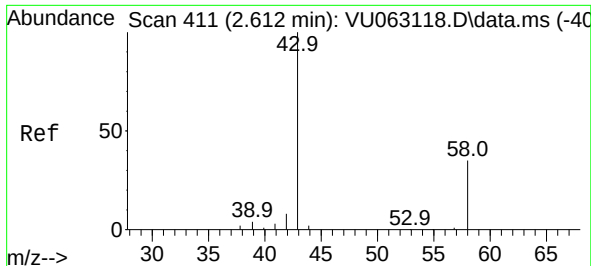
Tgt Ion:101 Resp: 3161
Ion Ratio Lower Upper
101 100
85 46.2 35.0 52.4
151 76.5 56.3 84.5



#12
1,1-Dichloroethene
Concen: 0.546 ug/L
RT: 2.566 min Scan# 397
Delta R.T. -0.000 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

Tgt Ion: 96 Resp: 3211
Ion Ratio Lower Upper
96 100
61 178.7 121.9 226.3
63 120.9 80.3 149.1





#13

Acetone

Concen: 6.279 ug/L

RT: 2.618 min Scan# 411

Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

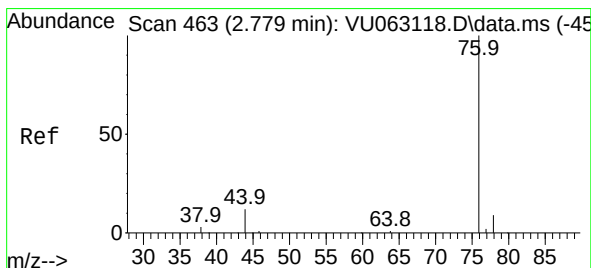
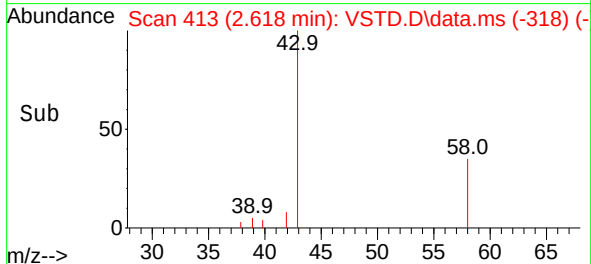
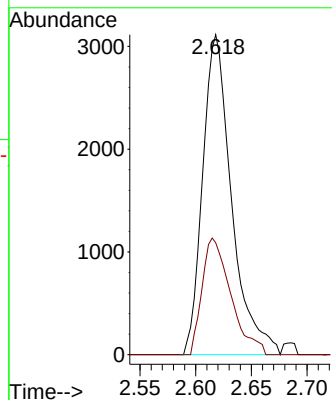
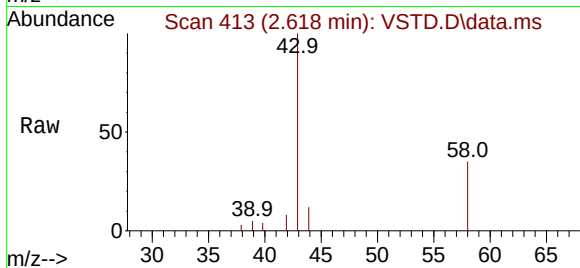
ClientSampleId :

Tgt Ion: 43 Resp: 5629

Ion Ratio Lower Upper

43 100

58 36.2 0.0 70.2



#14

Carbon disulfide

Concen: 0.651 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.003 min

Lab File: VSTD.D

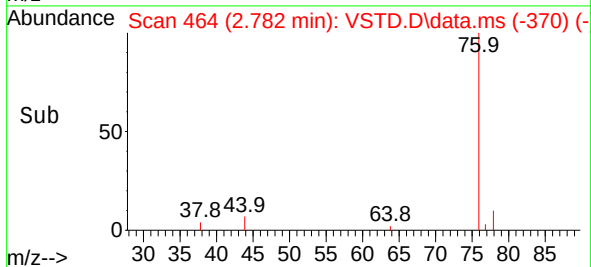
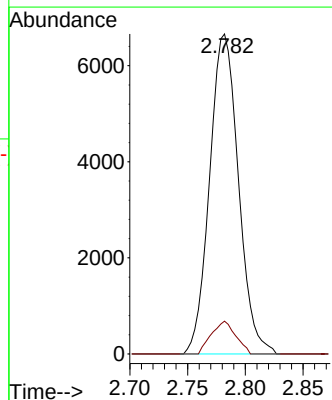
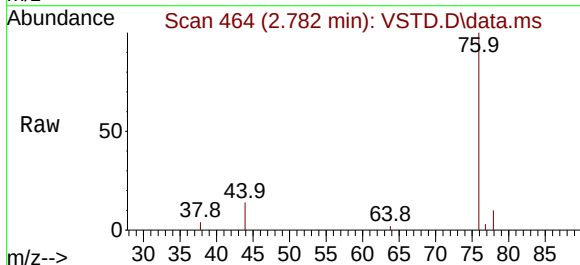
Acq: 04 Feb 2025 12:38

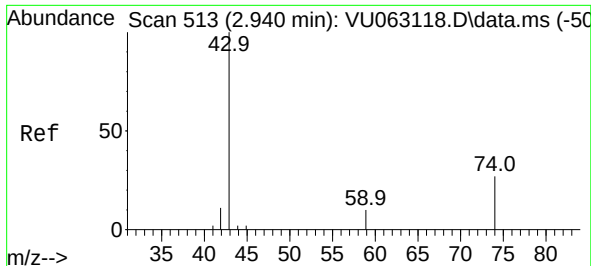
Tgt Ion: 76 Resp: 11580

Ion Ratio Lower Upper

76 100

78 10.3 7.5 11.3





#15

Methyl Acetate

Concen: 0.610 ug/L

RT: 2.952 min Scan# 51

Delta R.T. 0.013 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

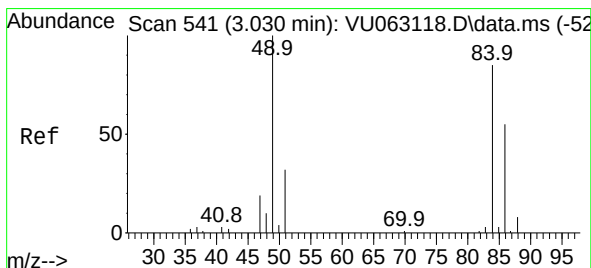
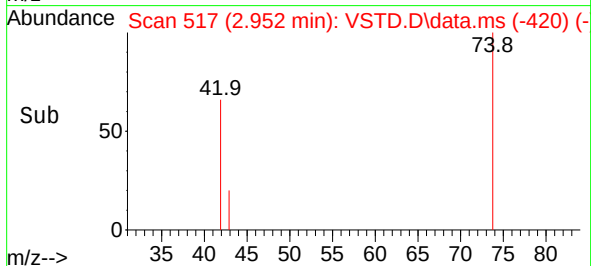
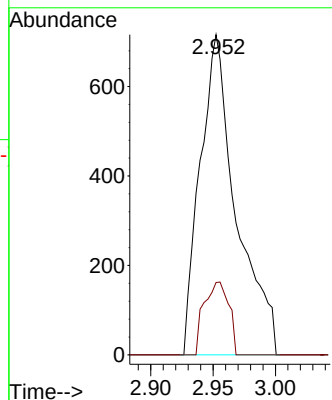
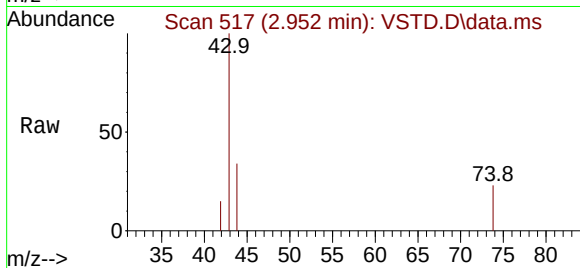
ClientSampleId :

Tgt Ion: 43 Resp: 1445

Ion Ratio Lower Upper

43 100

74 15.5 19.5 29.3#



#16

Methylene chloride

Concen: 0.601 ug/L

RT: 3.033 min Scan# 542

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

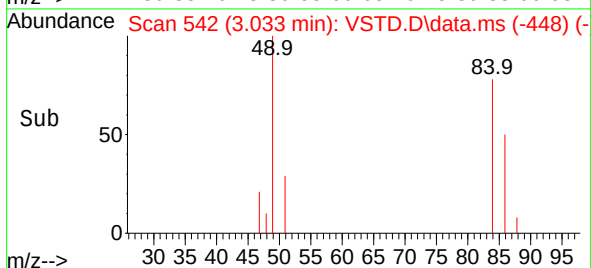
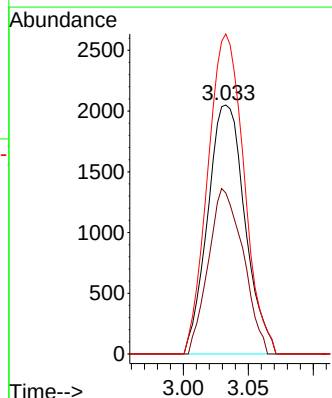
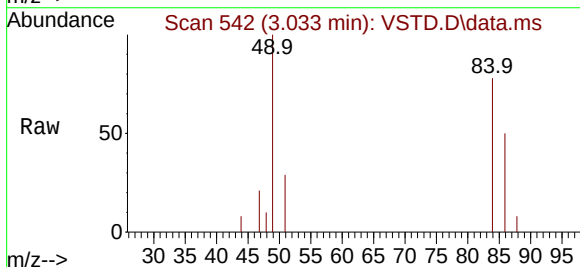
Tgt Ion: 84 Resp: 4094

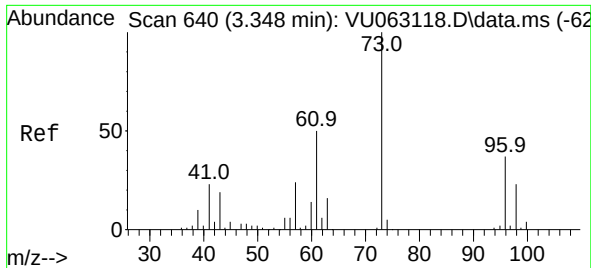
Ion Ratio Lower Upper

84 100

86 64.7 45.0 83.6

49 128.5 82.4 153.0

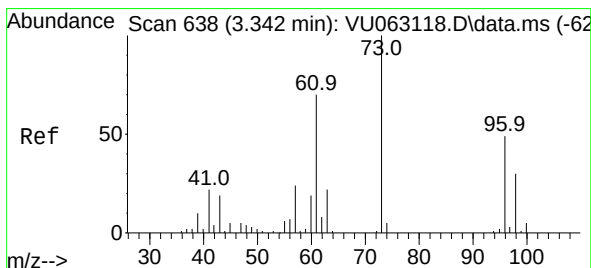
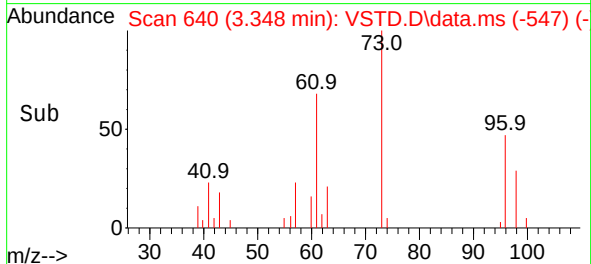
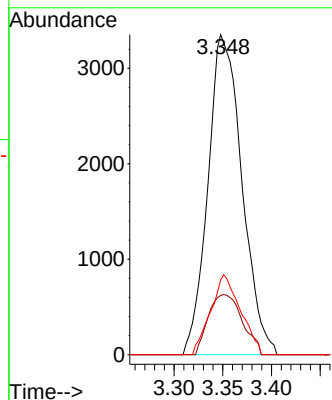
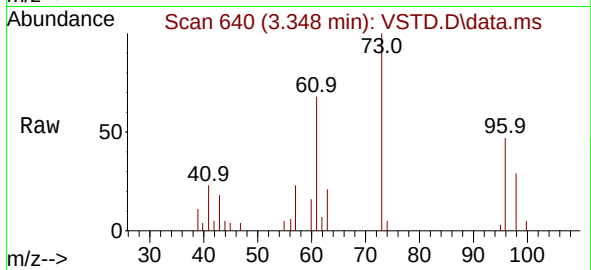




#17
Methyl tert-butyl Ether
Concen: 0.521 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

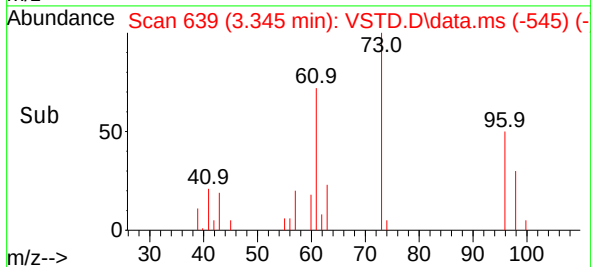
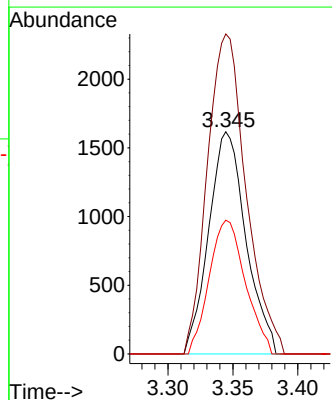
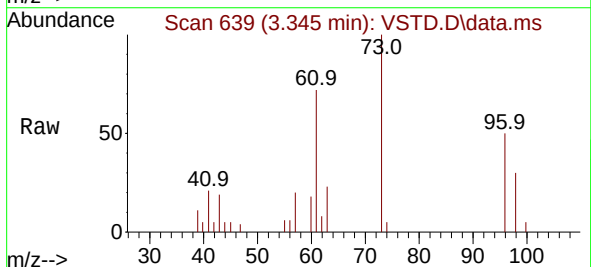
Instrument :
MSVOA_U
ClientSampleId :

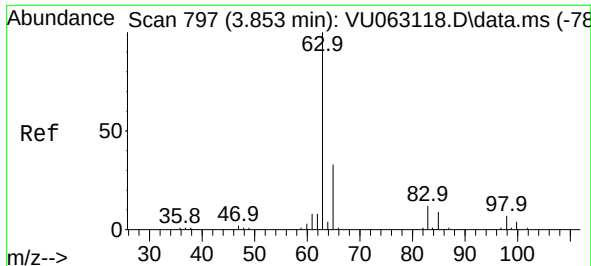
Tgt Ion: 73 Resp: 8142
Ion Ratio Lower Upper
73 100
43 18.8 15.1 22.7
57 21.8 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 0.537 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

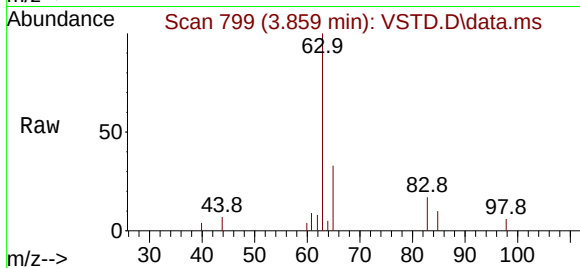
Tgt Ion: 96 Resp: 3217
Ion Ratio Lower Upper
96 100
61 143.9 99.2 184.2
98 60.2 43.2 80.2



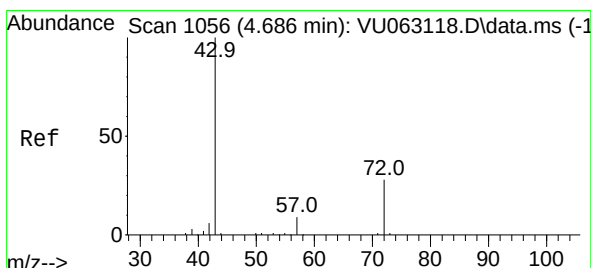
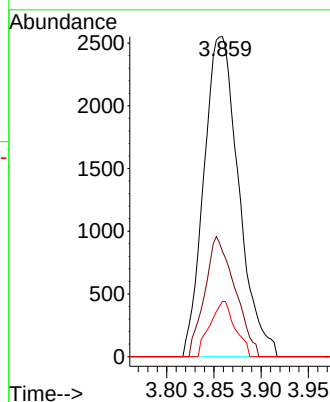
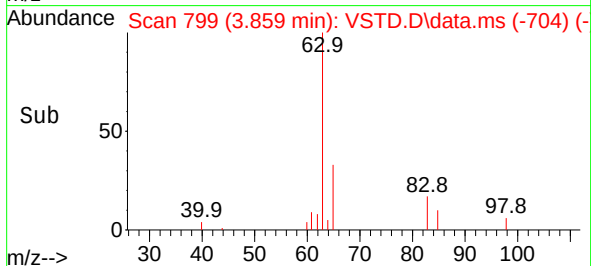


#19
1,1-Dichloroethane
Concen: 0.541 ug/L
RT: 3.859 min Scan# 797
Delta R.T. 0.006 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

Instrument :
MSVOA_U
ClientSampleId :

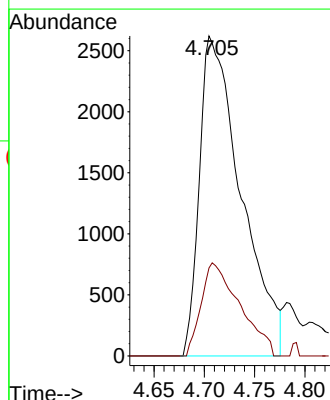
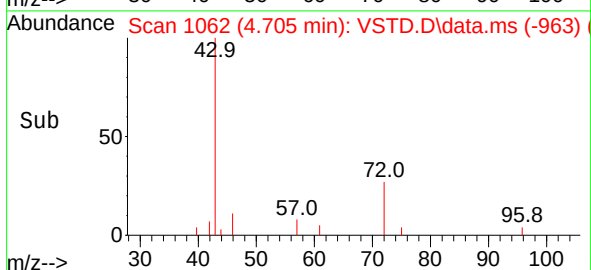
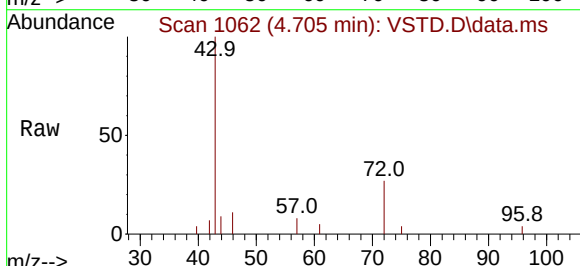


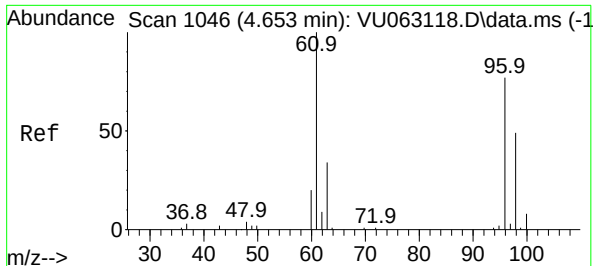
Tgt Ion: 63 Resp: 6540
Ion Ratio Lower Upper
63 100
65 32.9 23.2 43.0
83 17.2 8.7 16.1#



#21
2-Butanone
Concen: 5.117 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. 0.019 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

Tgt Ion: 43 Resp: 7538
Ion Ratio Lower Upper
43 100
72 27.0 13.9 41.7





#22

cis-1,2-Dichloroethene

Concen: 0.517 ug/L

RT: 4.656 min Scan# 1

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

ClientSampleId :

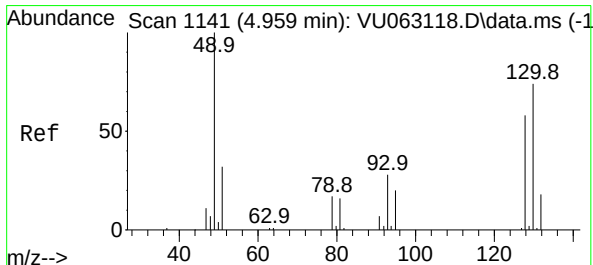
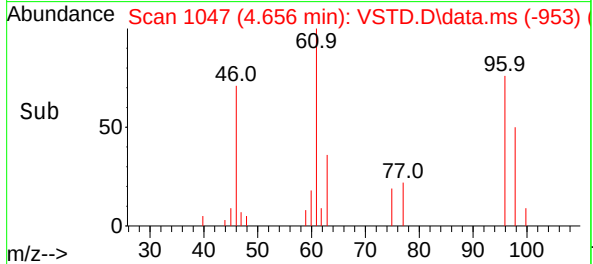
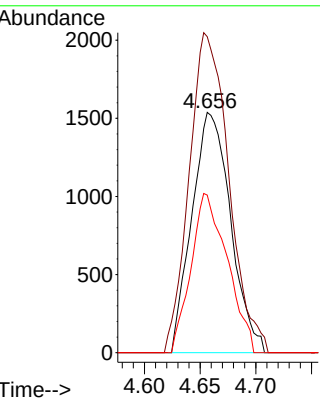
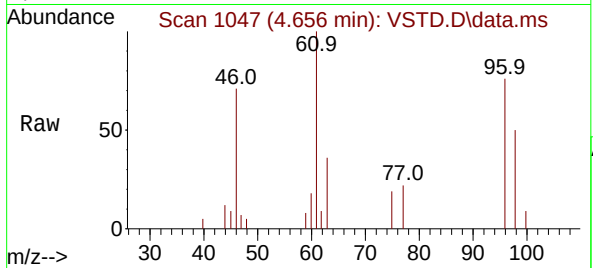
Tgt Ion: 96 Resp: 3721

Ion Ratio Lower Upper

96 100

61 131.5 91.8 170.6

98 65.6 44.4 82.4



#23

Bromochloromethane

Concen: 0.530 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.009 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Tgt Ion: 128 Resp: 1614

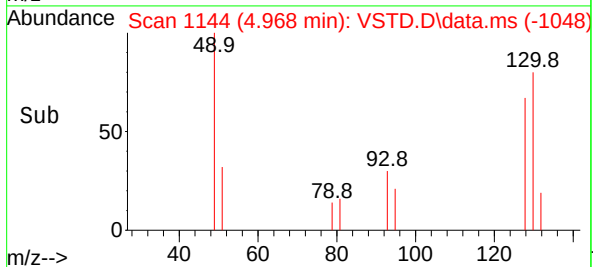
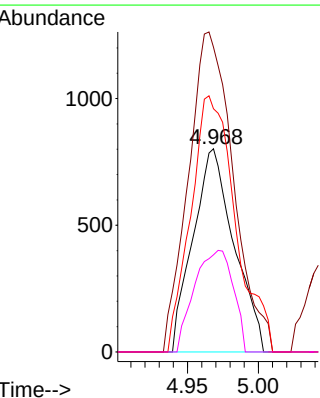
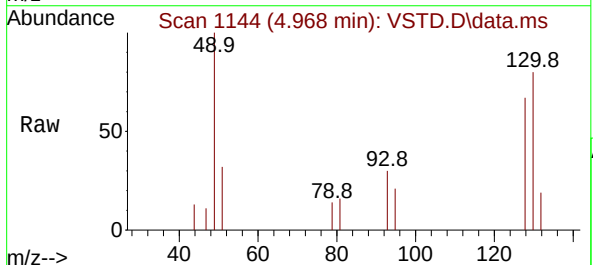
Ion Ratio Lower Upper

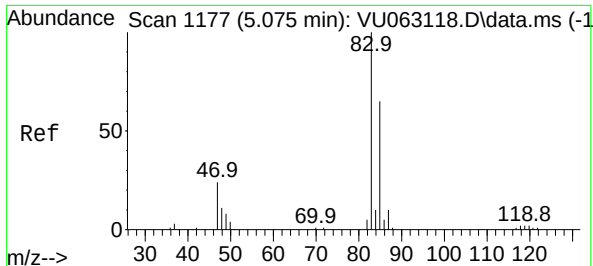
128 100

49 150.0 121.2 225.2

130 119.7 89.2 165.6

51 47.8 45.0 67.4





#25

Chloroform

Concen: 0.542 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

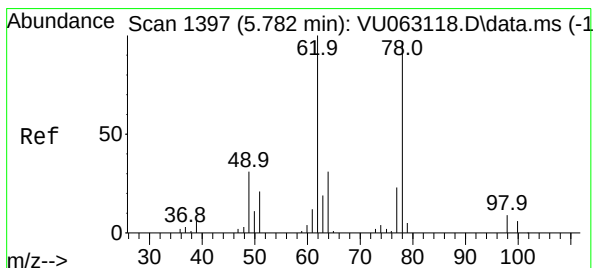
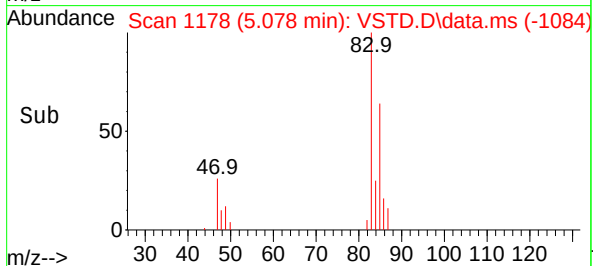
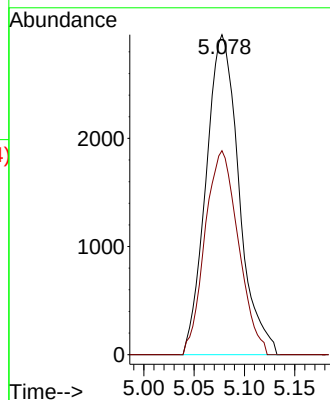
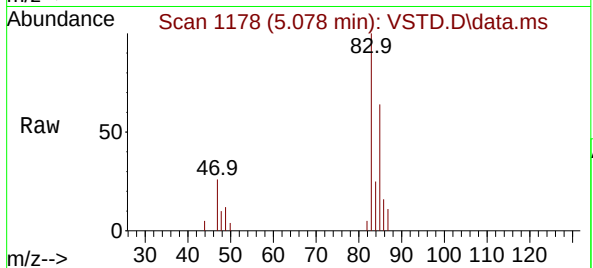
ClientSampleId :

Tgt Ion: 83 Resp: 6746

Ion Ratio Lower Upper

83 100

85 63.8 45.6 84.8



#27

1,2-Dichloroethane

Concen: 0.548 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VSTD.D

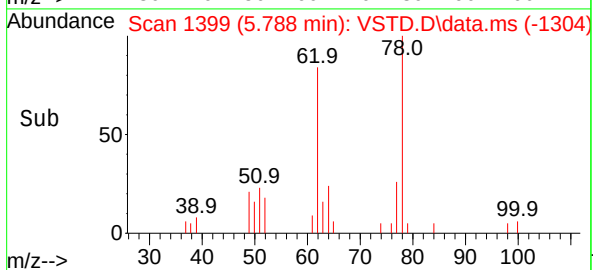
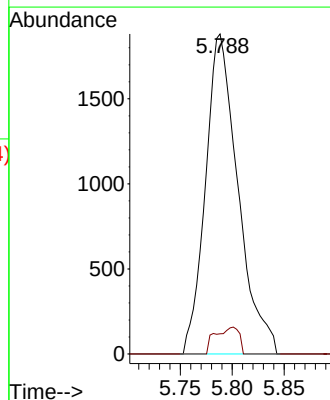
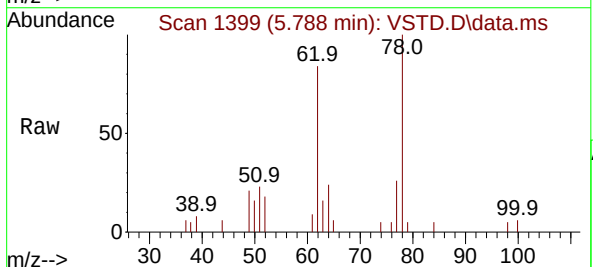
Acq: 04 Feb 2025 12:38

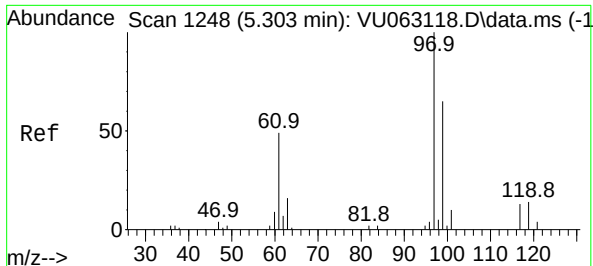
Tgt Ion: 62 Resp: 4092

Ion Ratio Lower Upper

62 100

98 6.3 7.2 10.8#

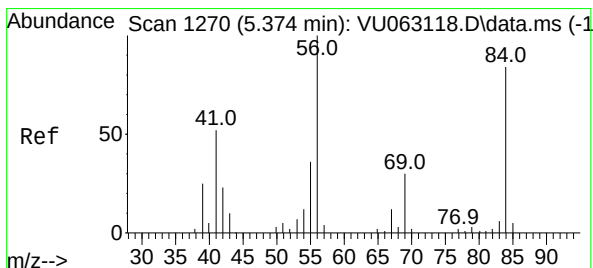
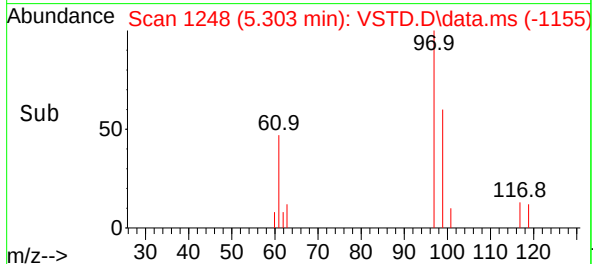
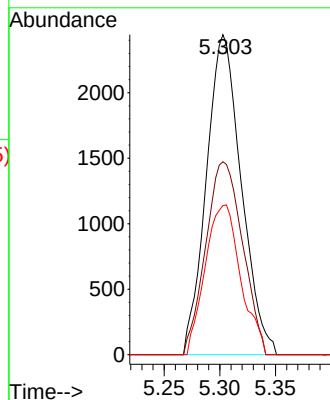
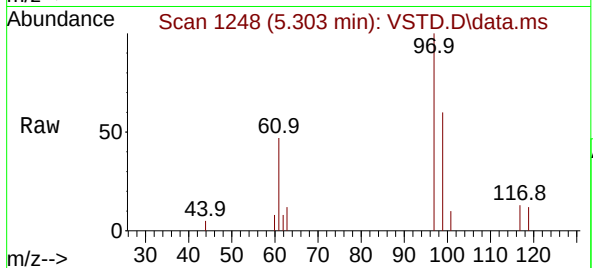




#29
1,1,1-Trichloroethane
Concen: 0.526 ug/L
RT: 5.303 min Scan# 11
Delta R.T. -0.000 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

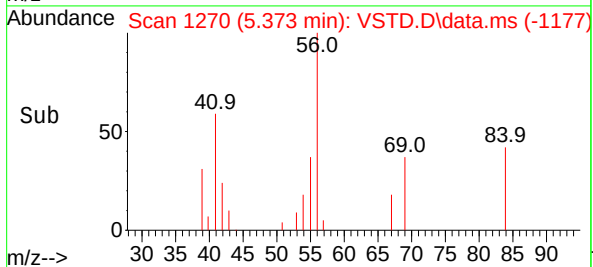
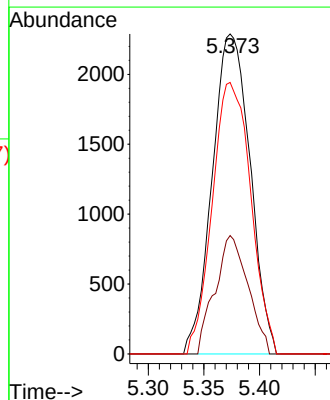
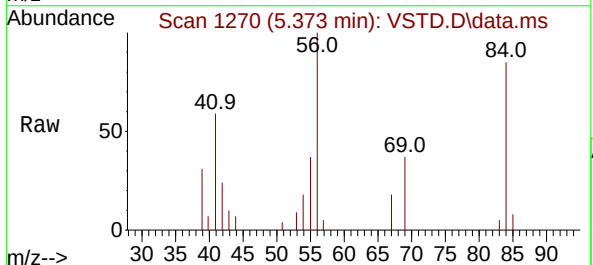
Instrument :
MSVOA_U
ClientSampleId :

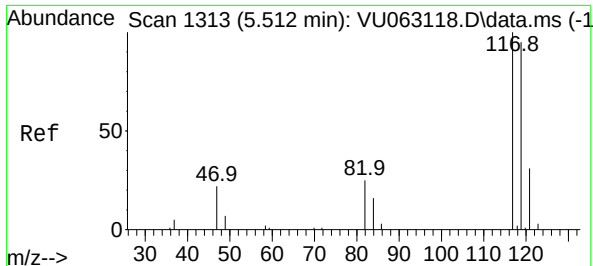
Tgt Ion: 97 Resp: 5328
Ion Ratio Lower Upper
97 100
99 63.6 51.5 77.3
61 47.6 38.5 57.7



#30
Cyclohexane
Concen: 0.564 ug/L
RT: 5.373 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

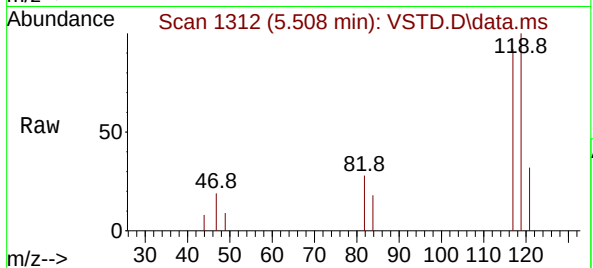
Tgt Ion: 56 Resp: 5408
Ion Ratio Lower Upper
56 100
69 32.3 24.6 37.0
84 86.1 67.9 101.9



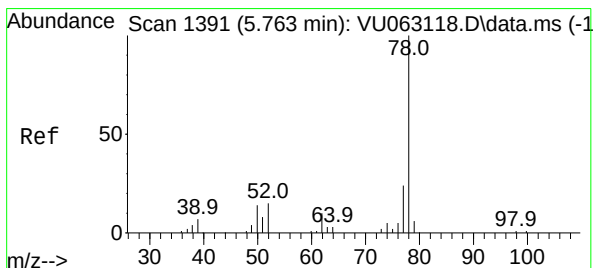
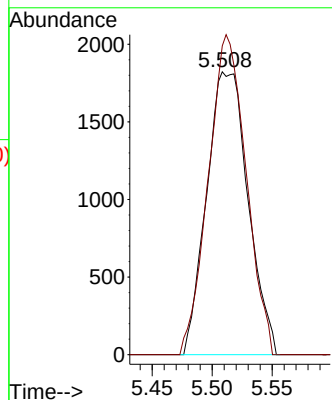
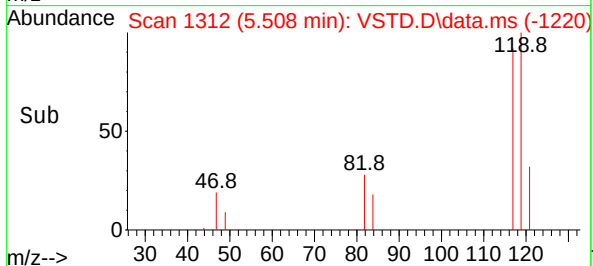


#31
Carbon tetrachloride
Concen: 0.507 ug/L
RT: 5.508 min Scan# 1312
Delta R.T. -0.003 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

Instrument :
MSVOA_U
ClientSampleId :

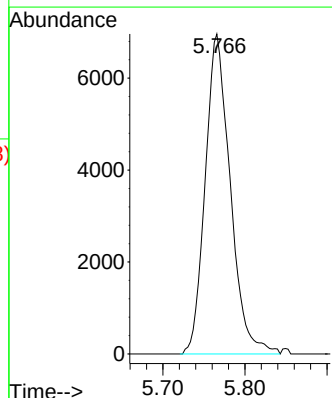
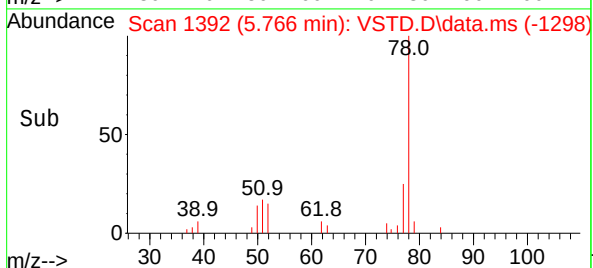
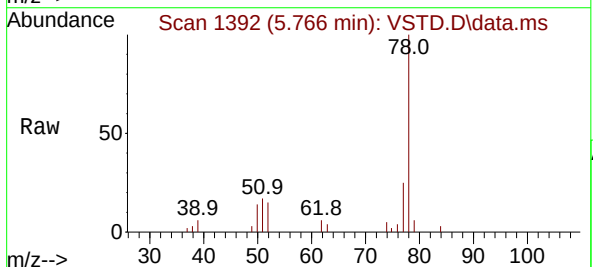


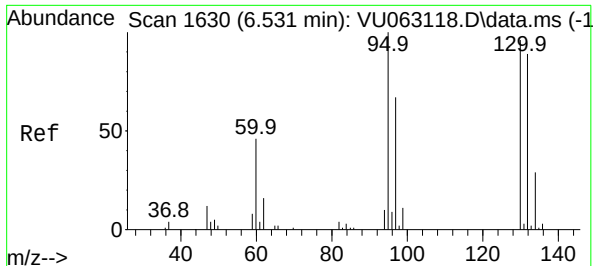
Tgt Ion:117 Resp: 4382
Ion Ratio Lower Upper
117 100
119 103.0 77.0 115.4



#33
Benzene
Concen: 0.540 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

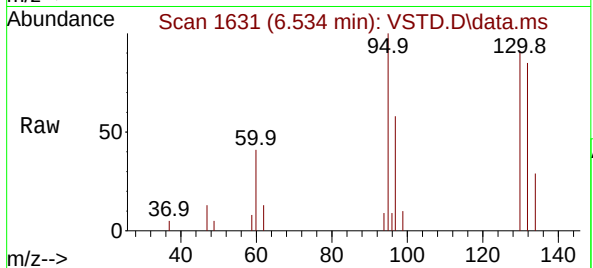
Tgt Ion: 78 Resp: 14784



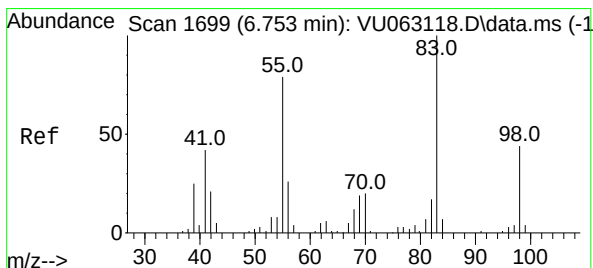
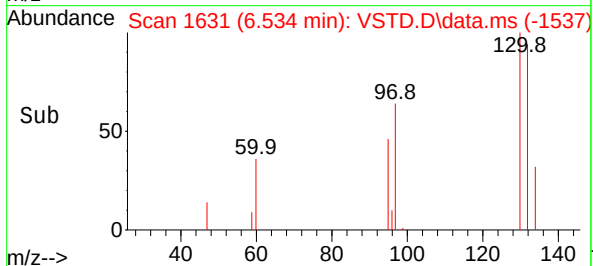
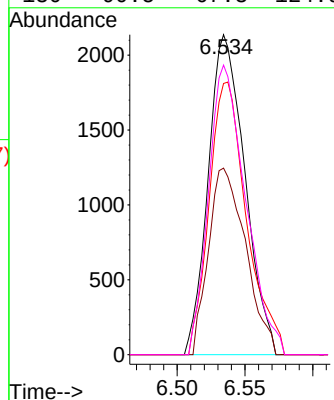


#34
Trichloroethene
Concen: 0.558 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

Instrument :
MSVOA_U
ClientSampleId :

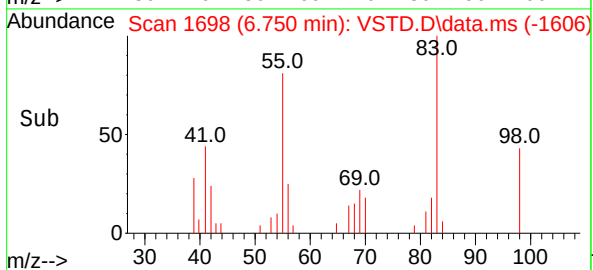
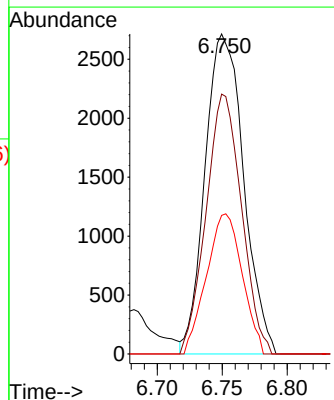
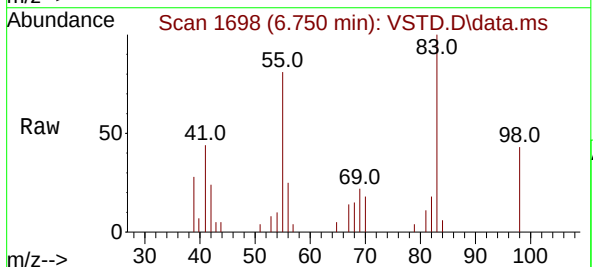


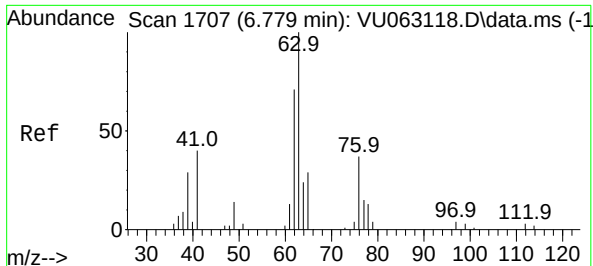
Tgt Ion: 95 Resp: 4013
Ion Ratio Lower Upper
95 100
97 58.3 46.7 86.7
132 84.7 62.4 115.8
130 90.5 67.3 124.9



#35
Methylcyclohexane
Concen: 0.545 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

Tgt Ion: 83 Resp: 5609
Ion Ratio Lower Upper
83 100
55 74.6 62.8 94.2
98 40.5 36.0 54.0





#37

1,2-Dichloropropane

Concen: 0.528 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

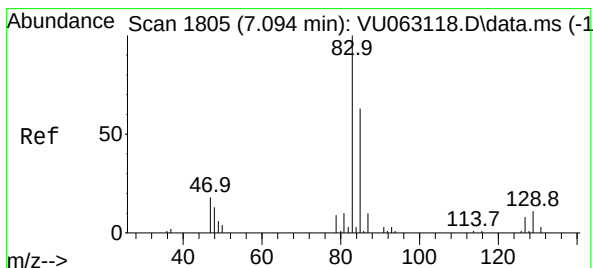
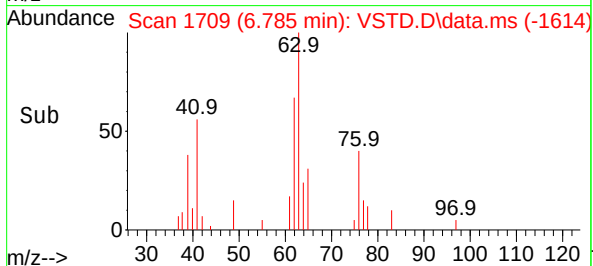
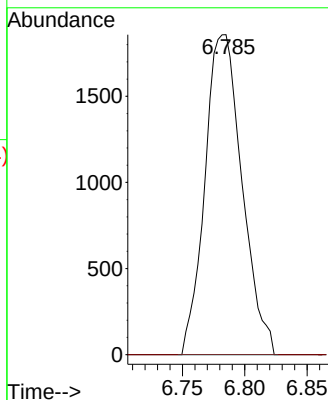
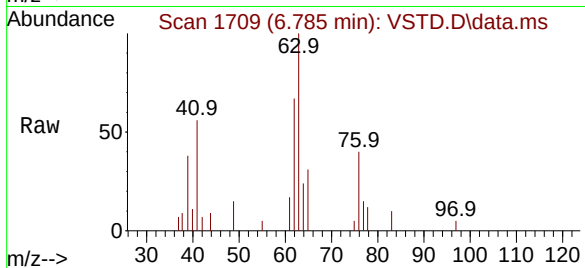
ClientSampleId :

Tgt Ion: 63 Resp: 3850

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#



#38

Bromodichloromethane

Concen: 0.519 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

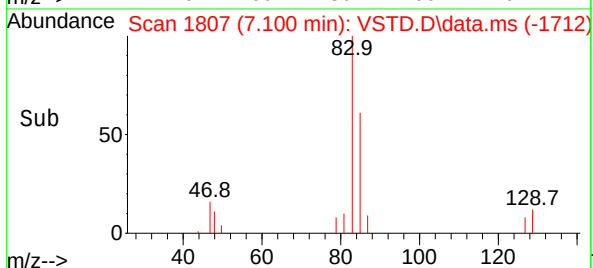
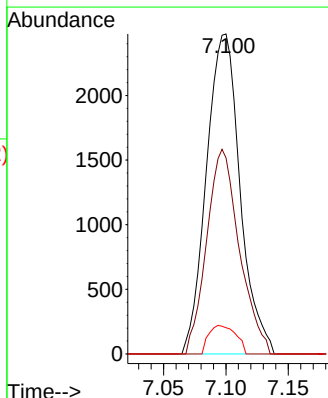
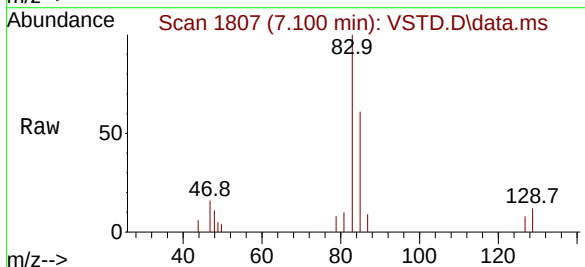
Tgt Ion: 83 Resp: 4656

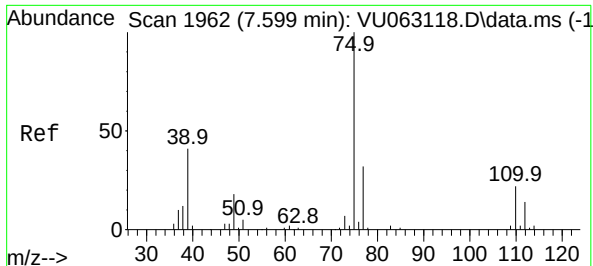
Ion Ratio Lower Upper

83 100

85 61.3 44.0 81.8

127 8.2 6.3 9.5

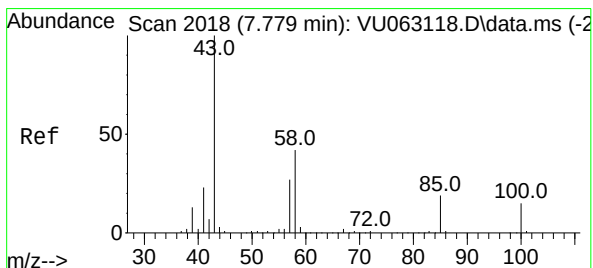
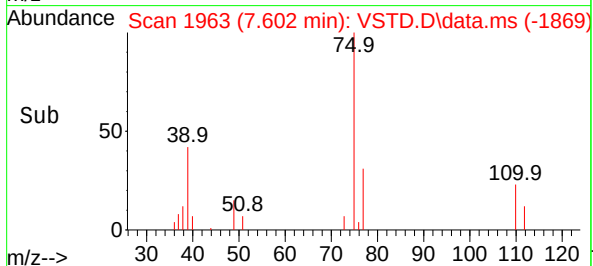
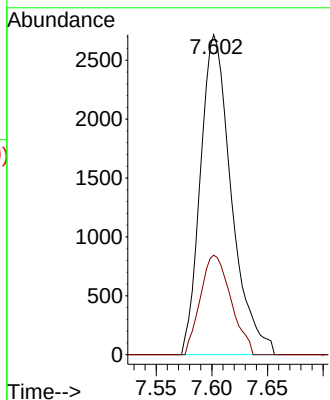
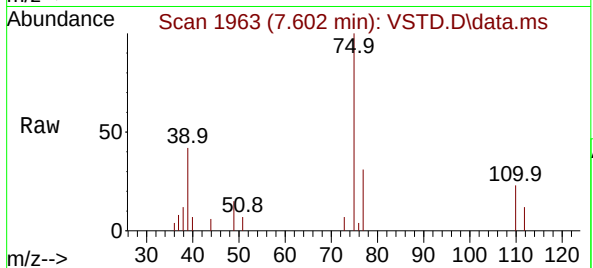




#39
 cis-1,3-Dichloropropene
 Concen: 0.495 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.003 min
 Lab File: VSTD.D
 Acq: 04 Feb 2025 12:38

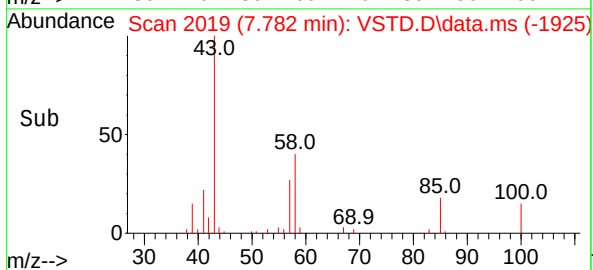
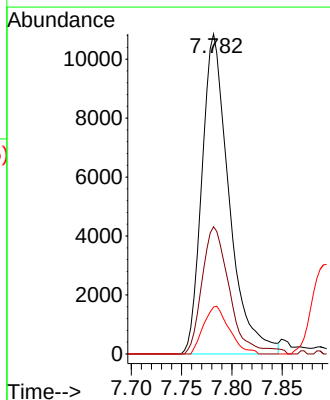
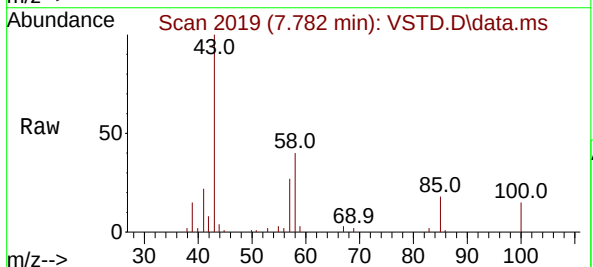
Instrument :
 MSVOA_U
 ClientSampleId :

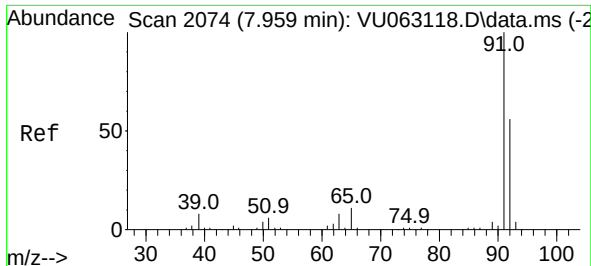
Tgt Ion: 75 Resp: 5249
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 5.364 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.003 min
 Lab File: VSTD.D
 Acq: 04 Feb 2025 12:38

Tgt Ion: 43 Resp: 20376
 Ion Ratio Lower Upper
 43 100
 58 40.4 33.7 50.5
 100 14.1 12.1 18.1





#42

Toluene

Concen: 0.514 ug/L

RT: 7.965 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

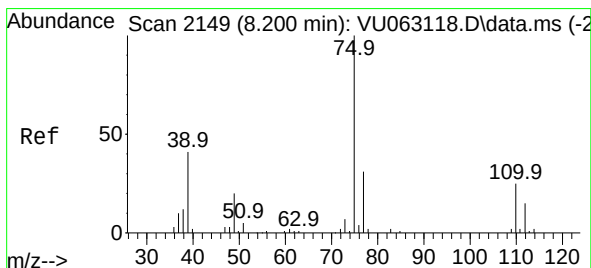
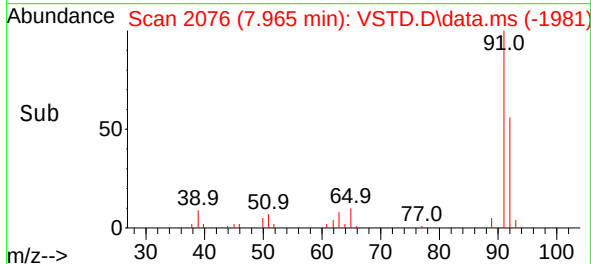
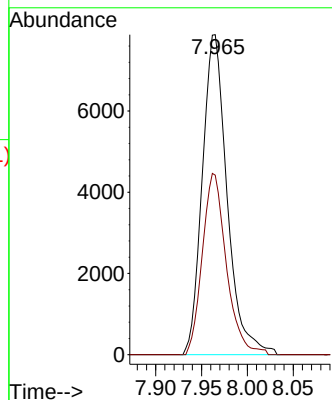
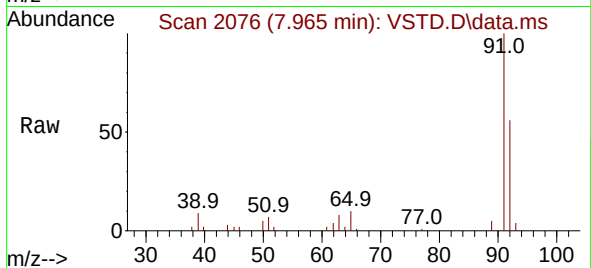
ClientSampleId :

Tgt Ion: 91 Resp: 14841

Ion Ratio Lower Upper

91 100

92 56.1 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 0.496 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.006 min

Lab File: VSTD.D

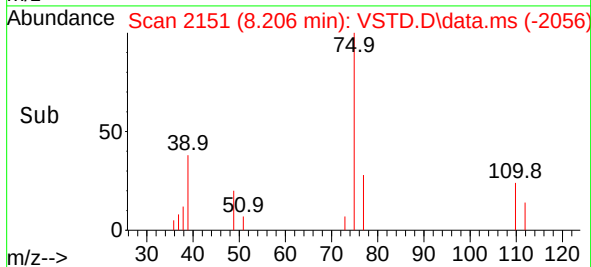
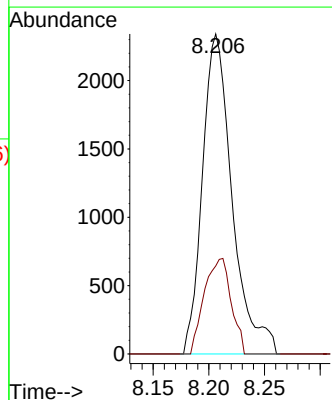
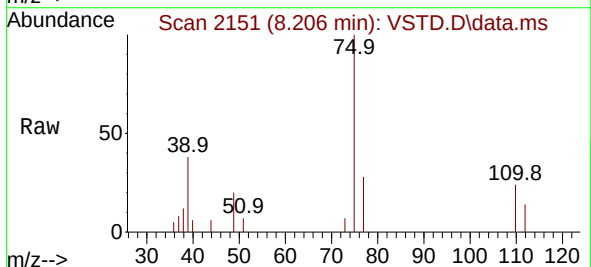
Acq: 04 Feb 2025 12:38

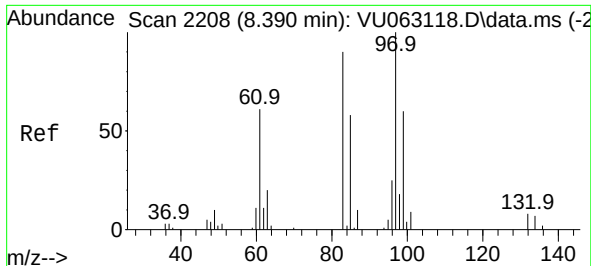
Tgt Ion: 75 Resp: 4342

Ion Ratio Lower Upper

75 100

77 27.5 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 0.533 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 2911

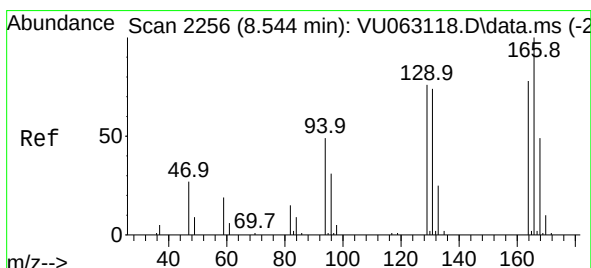
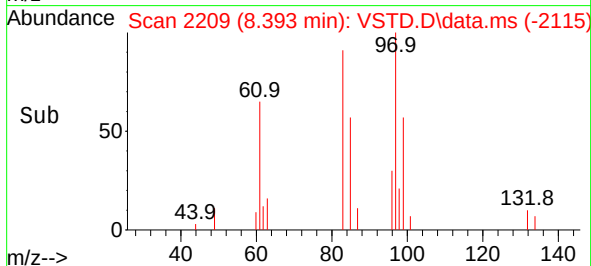
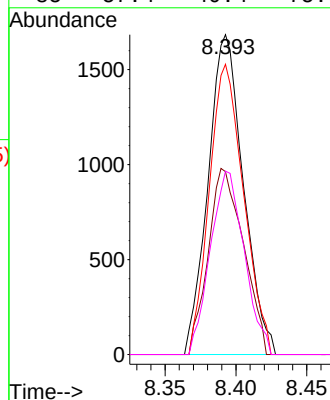
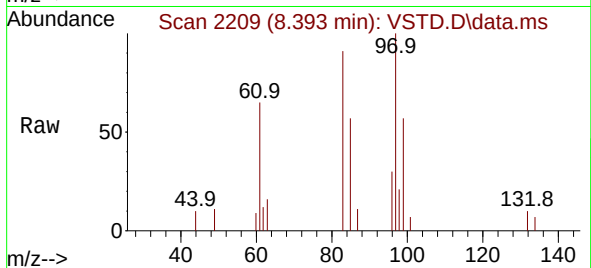
Ion Ratio Lower Upper

97 100

99 57.2 42.2 78.4

83 90.7 62.9 116.9

85 57.4 40.4 75.0



#47

Tetrachloroethene

Concen: 0.535 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Tgt Ion: 164 Resp: 2643

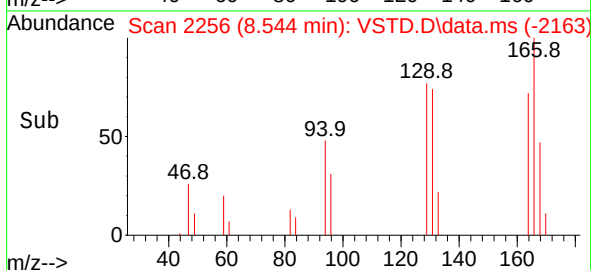
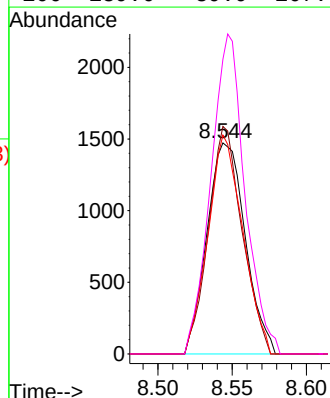
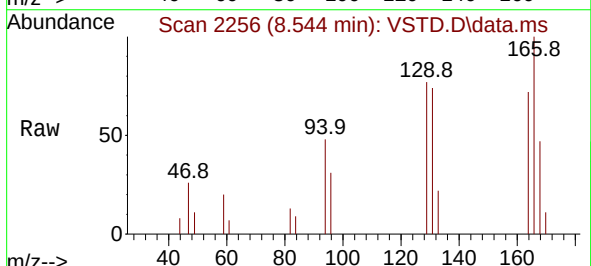
Ion Ratio Lower Upper

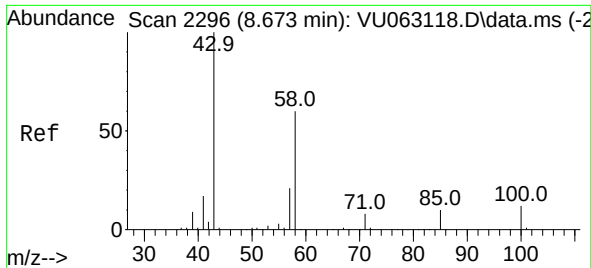
164 100

129 107.8 68.6 127.4

131 103.7 66.5 123.5

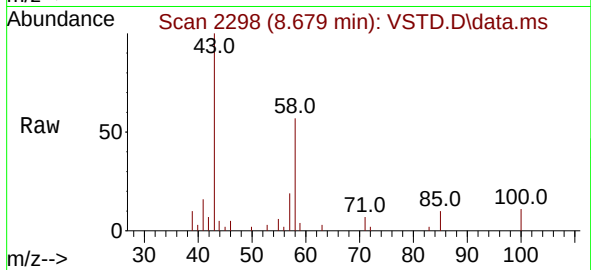
166 139.6 89.9 167.0



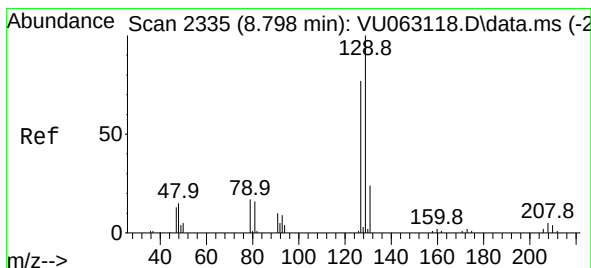
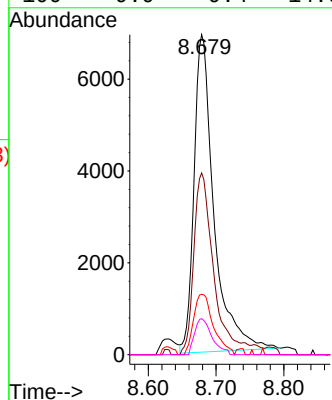
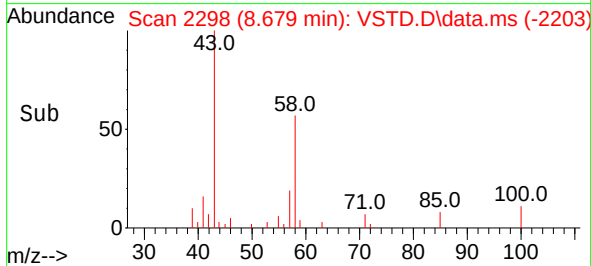


#48
2-Hexanone
Concen: 5.330 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.006 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

Instrument :
MSVOA_U
ClientSampleId :

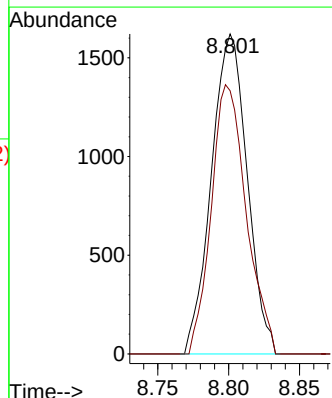
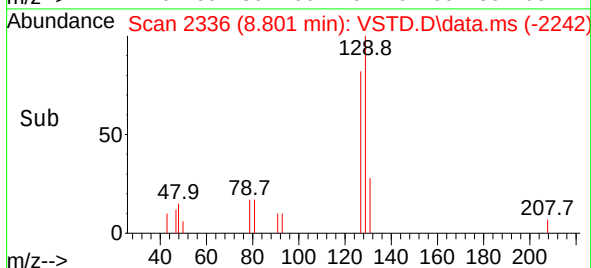
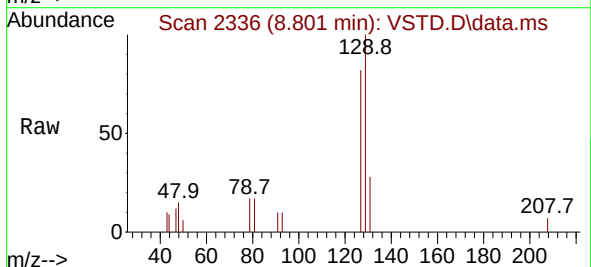


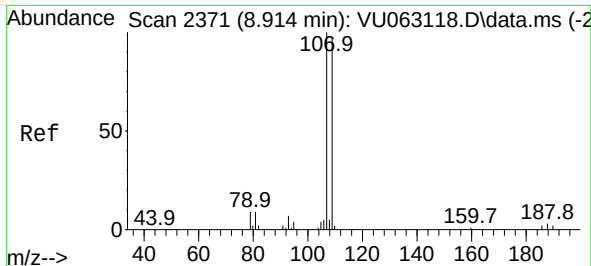
Tgt Ion: 43 Resp: 14141
Ion Ratio Lower Upper
43 100
58 57.0 45.8 68.8
57 18.9 15.7 23.5
100 9.9 9.4 14.0



#49
Dibromochloromethane
Concen: 0.484 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

Tgt Ion: 129 Resp: 2851
Ion Ratio Lower Upper
129 100
127 82.2 53.8 99.8





#50

1,2-Dibromoethane

Concen: 0.508 ug/L

RT: 8.917 min Scan# 24

Delta R.T. 0.003 min

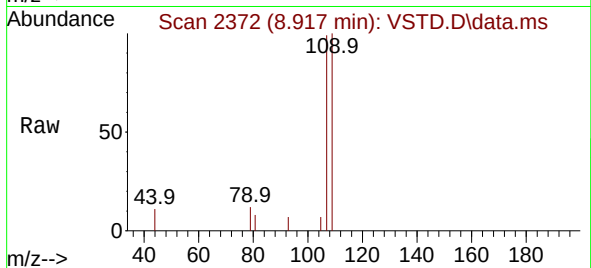
Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

ClientSampleId :



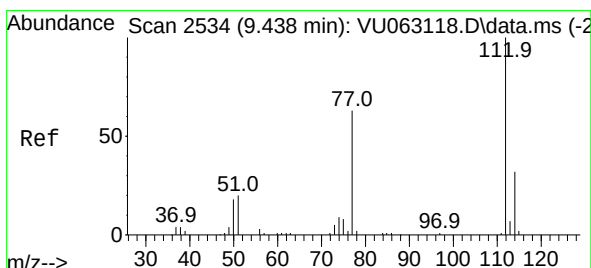
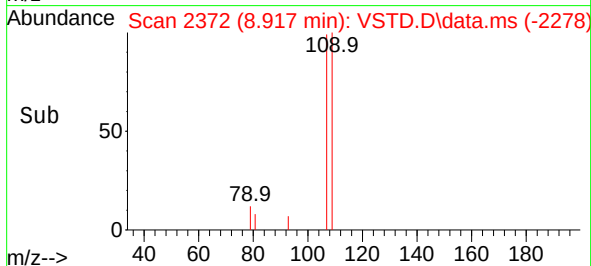
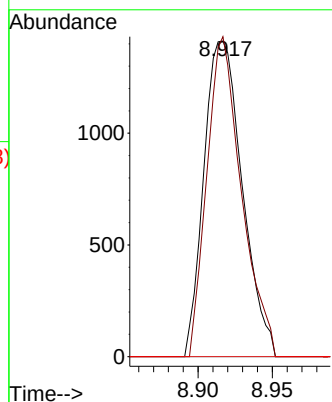
Tgt Ion:107 Resp: 2541

Ion Ratio Lower Upper

107 100

109 101.3 67.6 125.6

188 0.0 2.6 3.8#



#51

Chlorobenzene

Concen: 0.530 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. -0.000 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

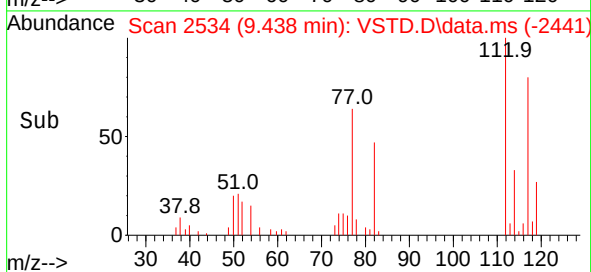
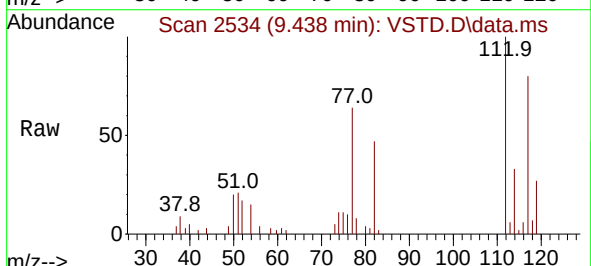
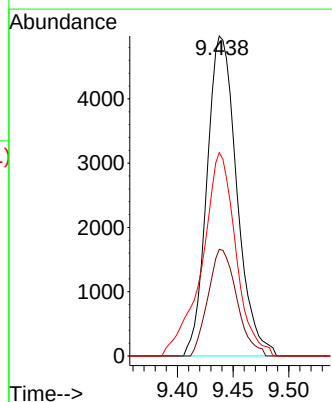
Tgt Ion:112 Resp: 9283

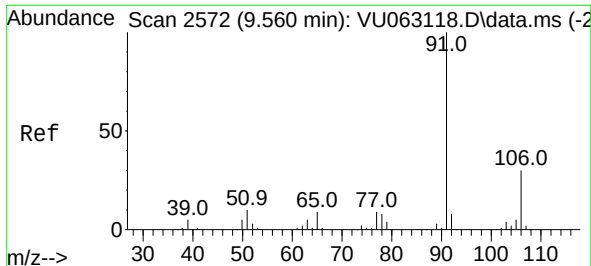
Ion Ratio Lower Upper

112 100

114 33.3 22.6 42.0

77 63.6 50.8 76.2





#52

Ethylbenzene

Concen: 0.502 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

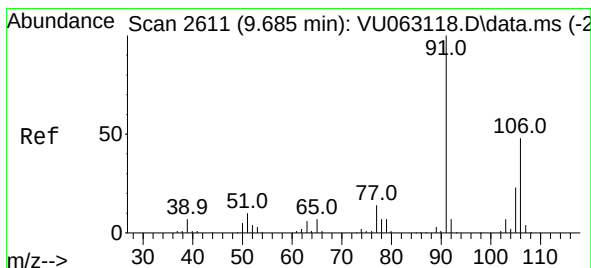
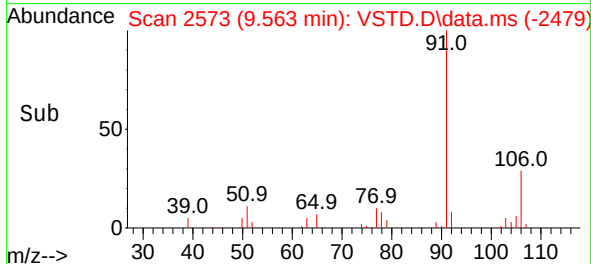
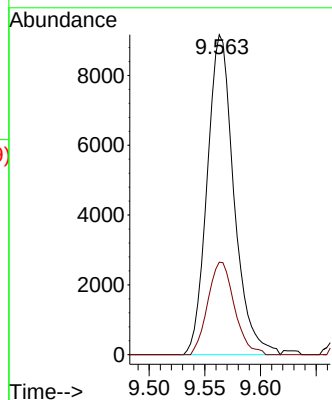
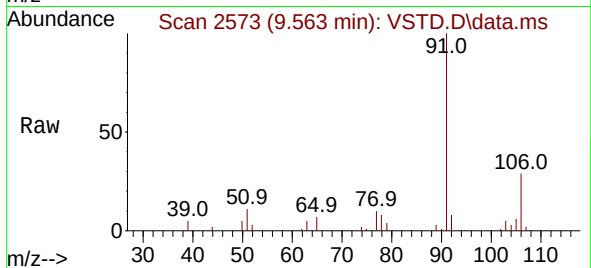
ClientSampleId :

Tgt Ion: 91 Resp: 15331

Ion Ratio Lower Upper

91 100

106 28.9 21.3 39.6



#53

m,p-Xylene

Concen: 0.457 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.003 min

Lab File: VSTD.D

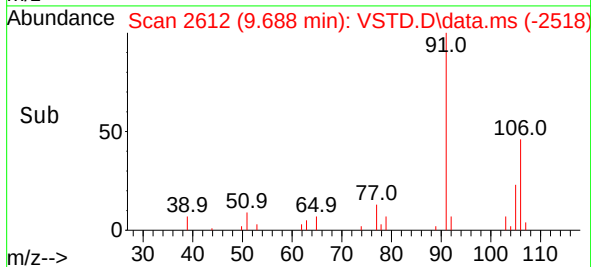
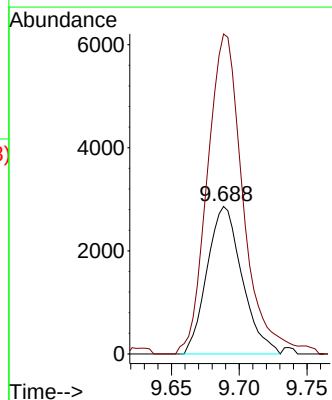
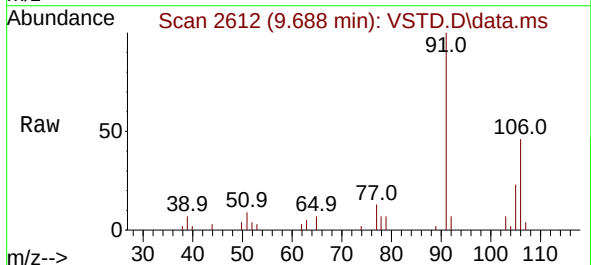
Acq: 04 Feb 2025 12:38

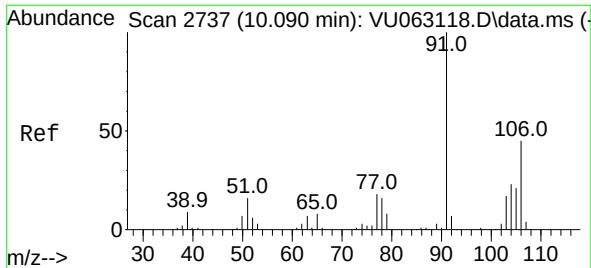
Tgt Ion:106 Resp: 5143

Ion Ratio Lower Upper

106 100

91 216.8 147.3 273.6

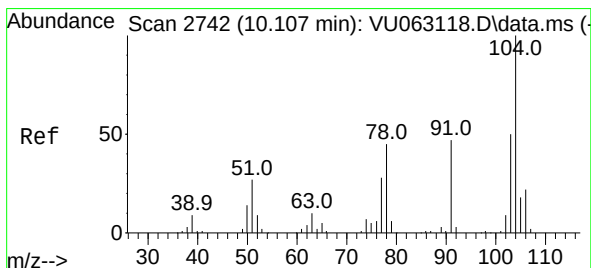
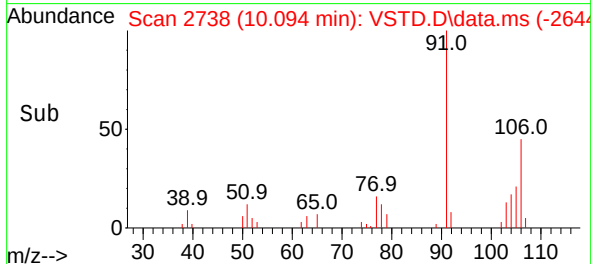
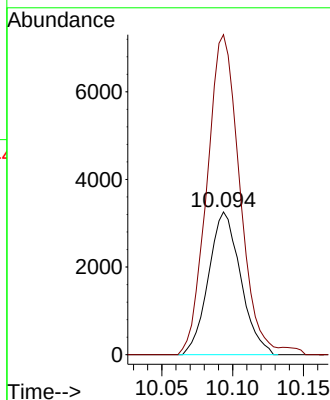
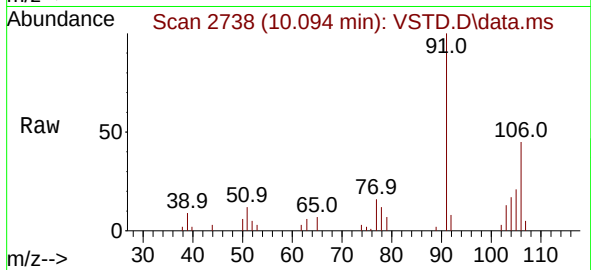




#54
o-Xylene
Concen: 0.468 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

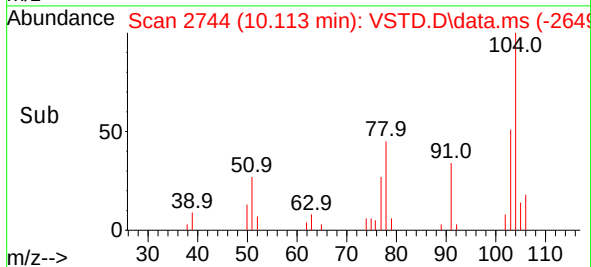
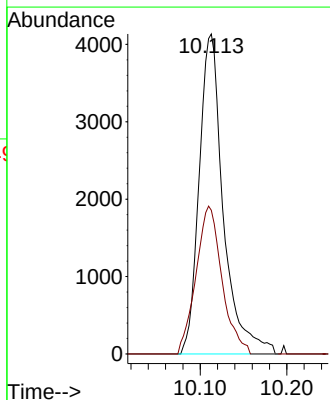
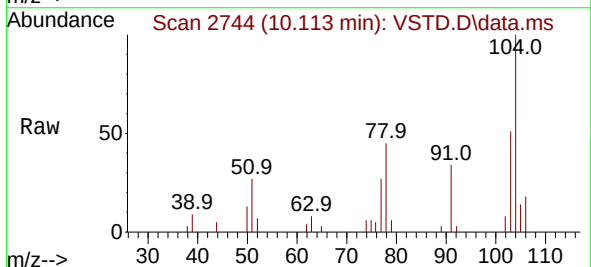
Instrument :
MSVOA_U
ClientSampleId :

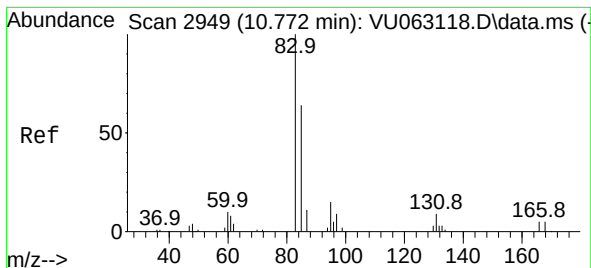
Tgt Ion:106 Resp: 5142
Ion Ratio Lower Upper
106 100
91 224.3 155.4 288.6



#55
Styrene
Concen: 0.435 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.006 min
Lab File: VSTD.D
Acq: 04 Feb 2025 12:38

Tgt Ion:104 Resp: 8015
Ion Ratio Lower Upper
104 100
78 44.9 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 0.523 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VSTD.D

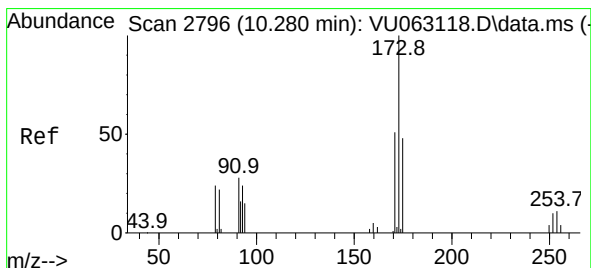
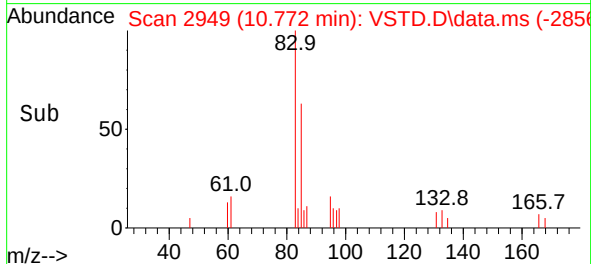
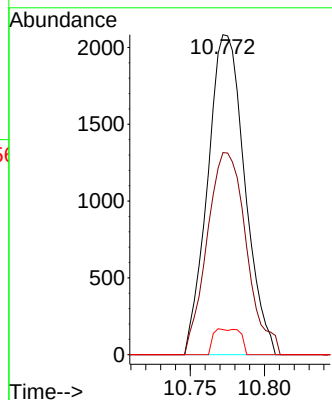
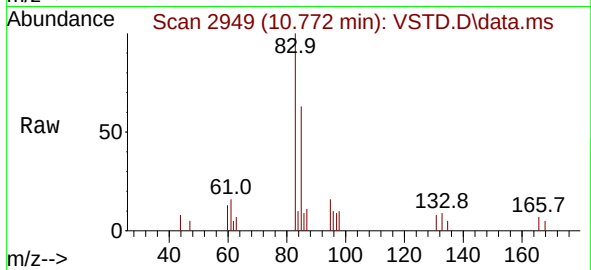
Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	3614
Ion	Ratio	Lower	Upper
83	100		
85	63.2	45.6	84.8
131	7.9	7.4	11.0



#59

Bromoform

Concen: 0.537 ug/L

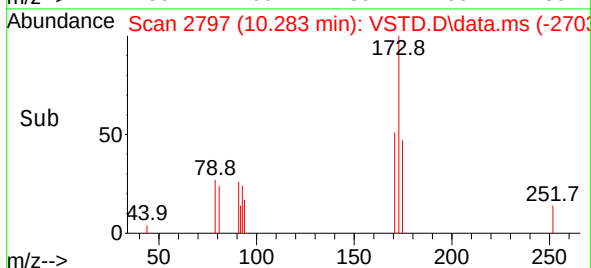
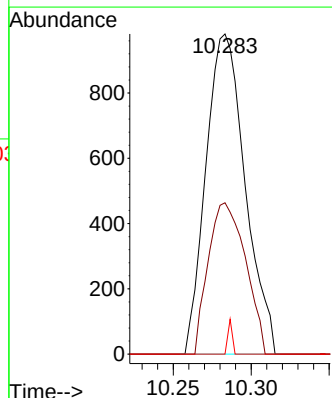
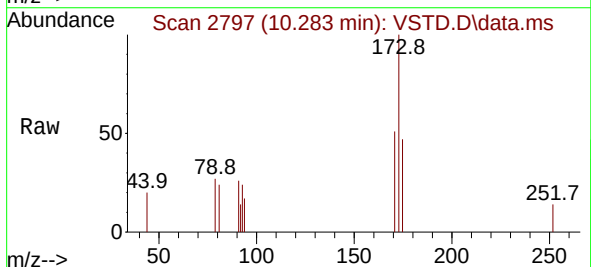
RT: 10.283 min Scan# 2797

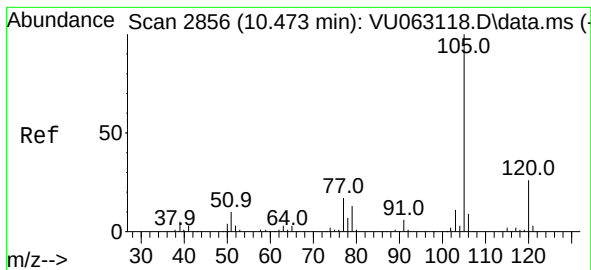
Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Tgt Ion:	173	Resp:	1714
Ion	Ratio	Lower	Upper
173	100		
175	44.8	37.7	56.5
254	1.2	7.9	11.9#





#60

Isopropylbenzene

Concen: 0.508 ug/L

RT: 10.476 min Scan# 2856

Delta R.T. 0.003 min

Lab File: VSTD.D

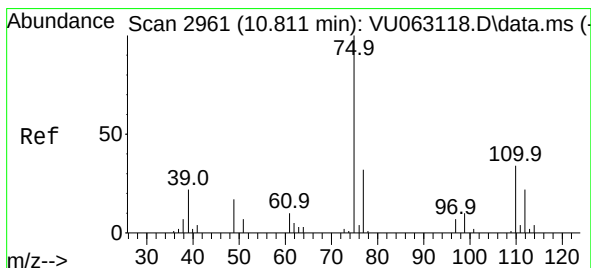
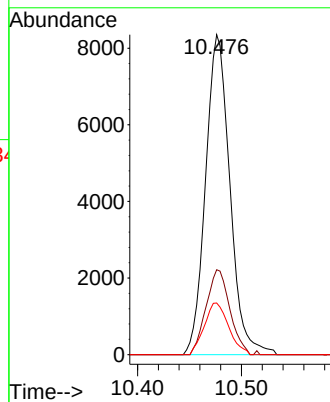
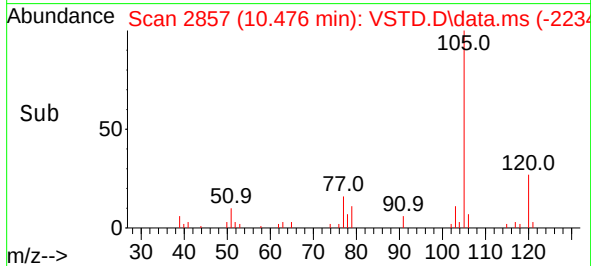
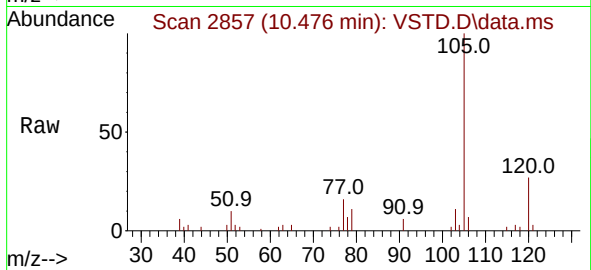
Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	13587
Ion Ratio	Lower	Upper	
105	100		
120	25.8	20.8	31.2
77	16.2	13.3	19.9



#61

1,2,3-Trichloropropane

Concen: 0.600 ug/L

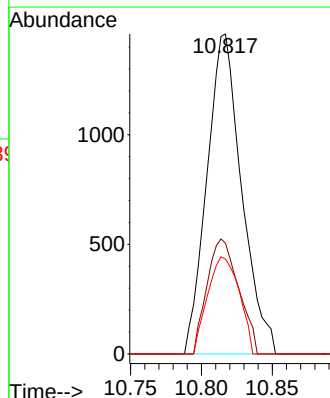
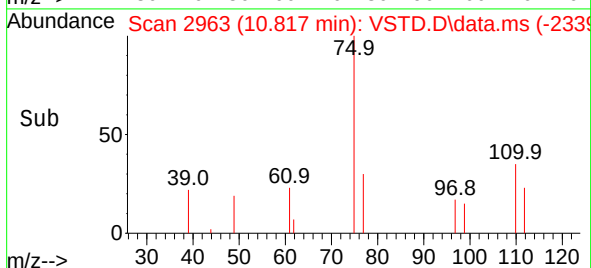
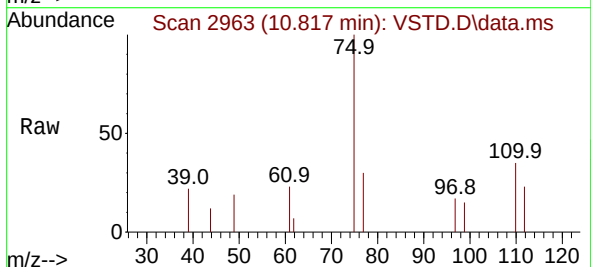
RT: 10.817 min Scan# 2963

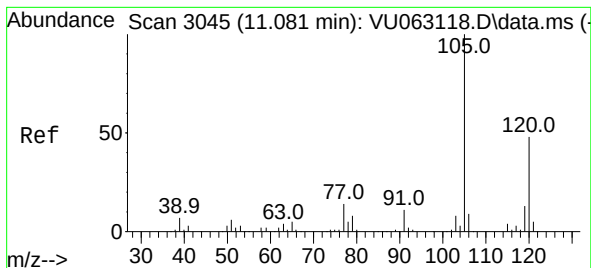
Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Tgt Ion:	75	Resp:	2484
Ion Ratio	Lower	Upper	
75	100		
110	32.7	27.4	41.0
77	27.5	26.3	39.5





#62

1,3,5-Trimethylbenzene

Concen: 0.476 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

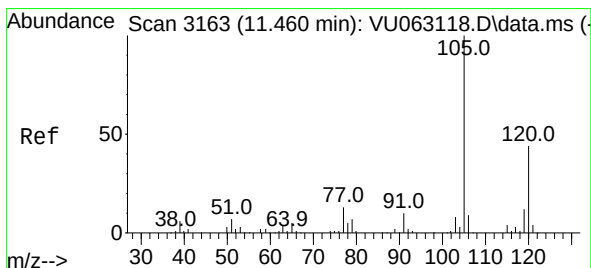
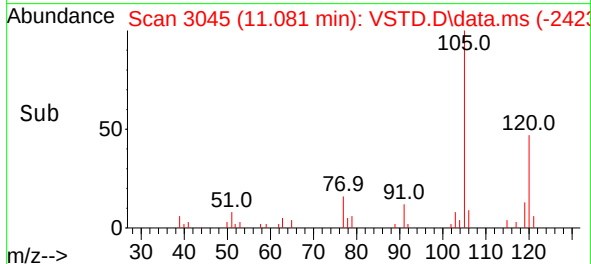
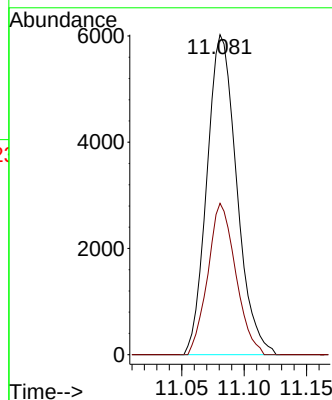
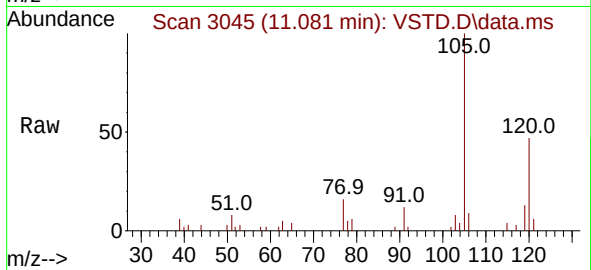
ClientSampleId :

Tgt Ion:105 Resp: 10013

Ion Ratio Lower Upper

105 100

120 44.3 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 0.441 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VSTD.D

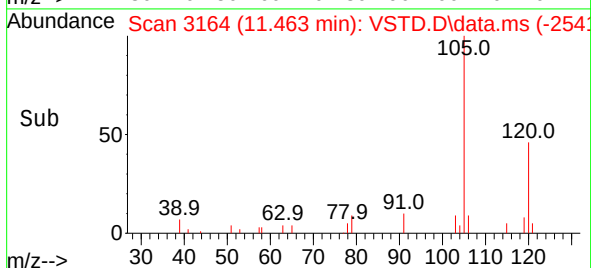
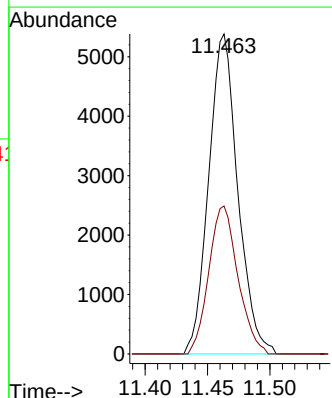
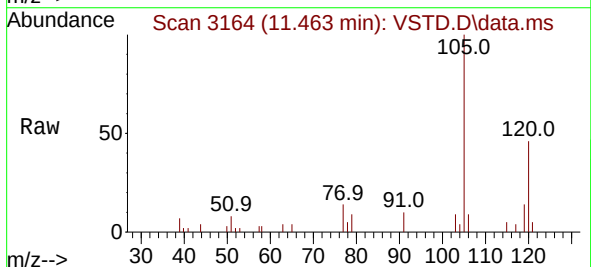
Acq: 04 Feb 2025 12:38

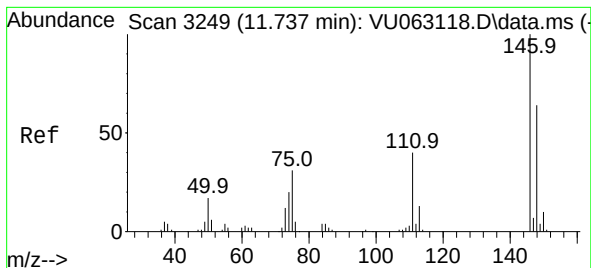
Tgt Ion:105 Resp: 8756

Ion Ratio Lower Upper

105 100

120 46.3 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 0.534 ug/L

RT: 11.740 min Scan# 3249

Delta R.T. 0.003 min

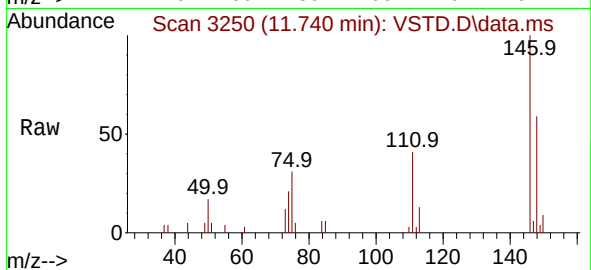
Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

ClientSampleId :



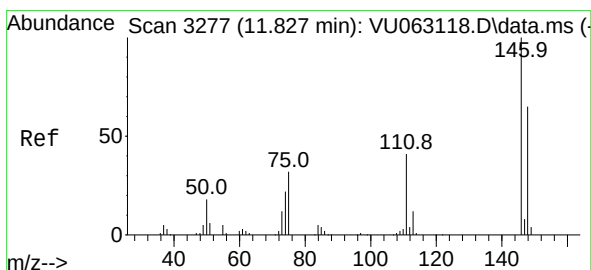
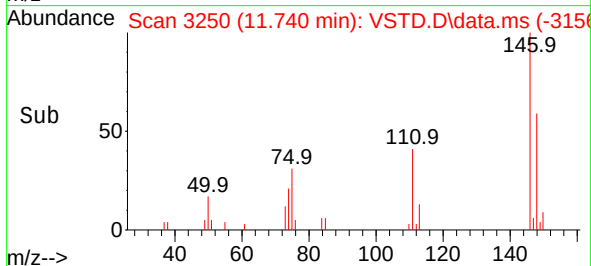
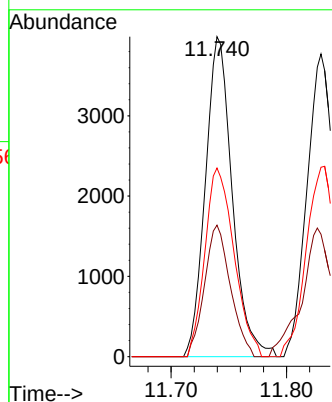
Tgt Ion:146 Resp: 6447

Ion Ratio Lower Upper

146 100

111 41.1 27.9 51.7

148 59.0 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 0.542 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

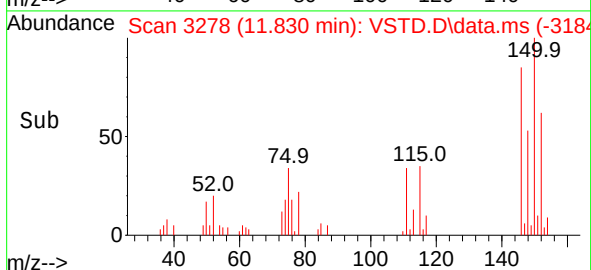
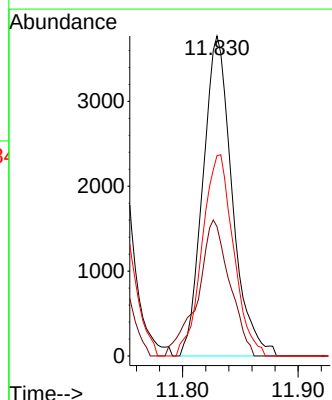
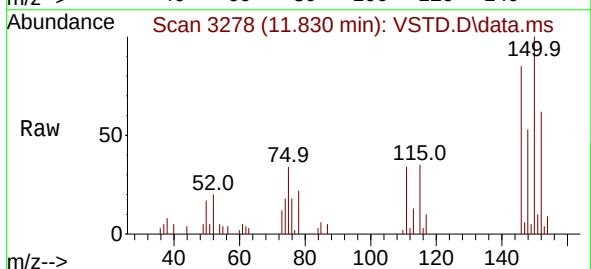
Tgt Ion:146 Resp: 6632

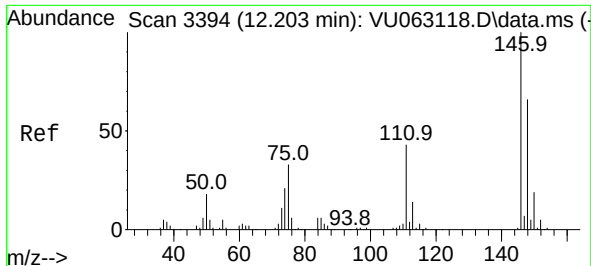
Ion Ratio Lower Upper

146 100

111 40.4 28.5 52.9

148 62.6 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 0.535 ug/L

RT: 12.206 min Scan# 3394

Delta R.T. 0.003 min

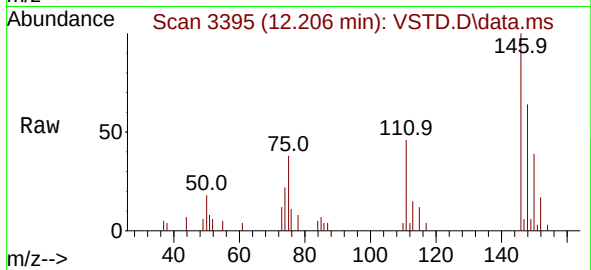
Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

ClientSampleId :



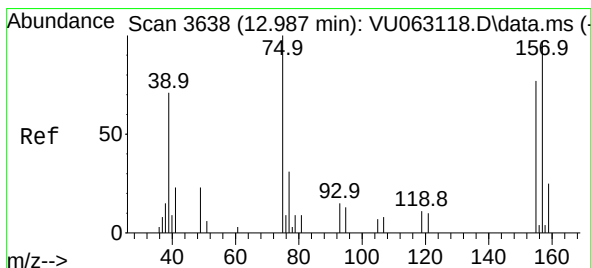
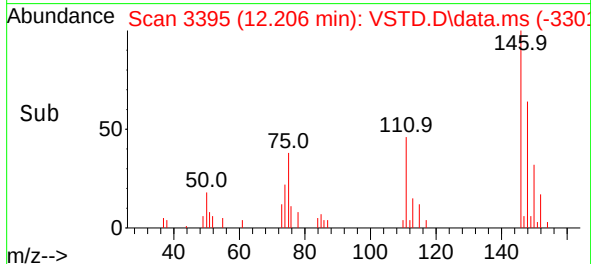
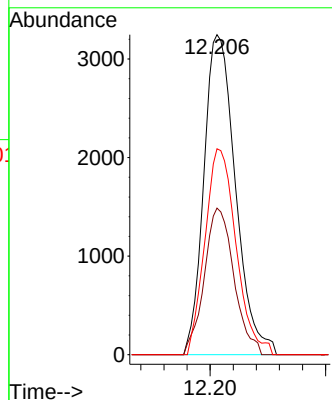
Tgt Ion:146 Resp: 6166

Ion Ratio Lower Upper

146 100

111 45.8 34.1 51.1

148 64.3 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 0.635 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

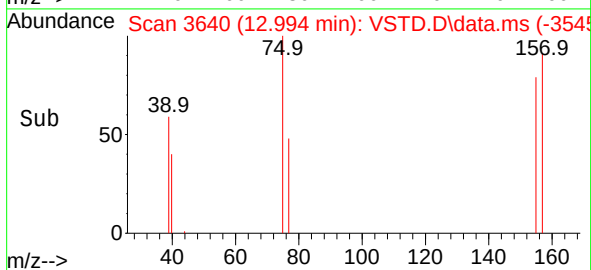
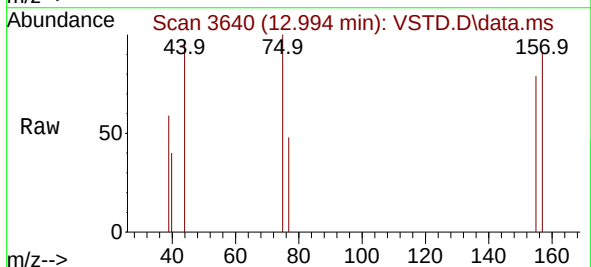
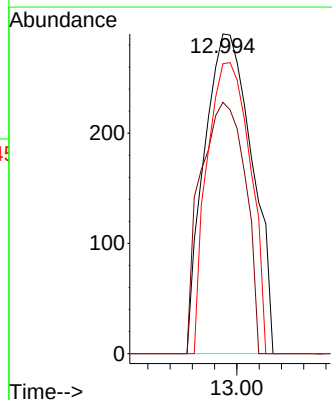
Tgt Ion: 75 Resp: 432

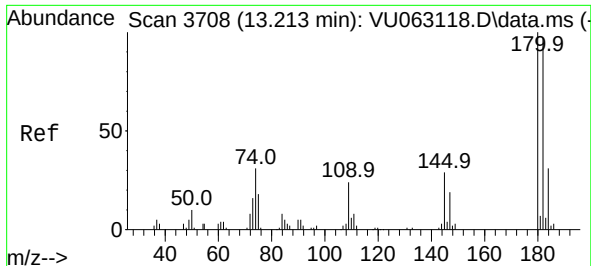
Ion Ratio Lower Upper

75 100

155 78.6 61.6 92.4

157 90.7 77.4 116.0





#69

1,3,5-Trichlorobenzene

Concen: 0.529 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

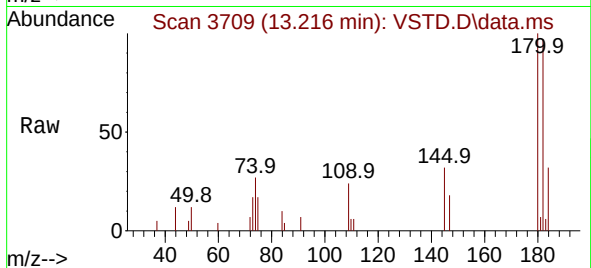
Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 4244

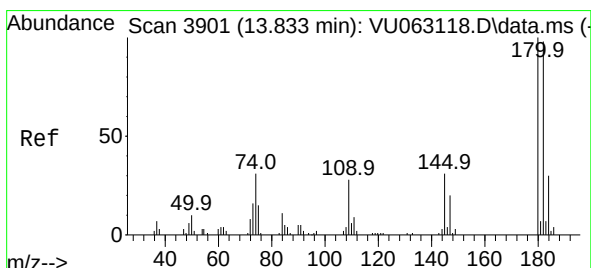
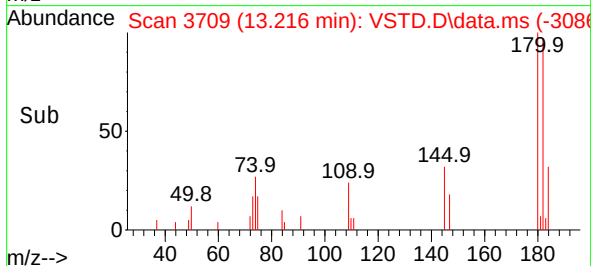
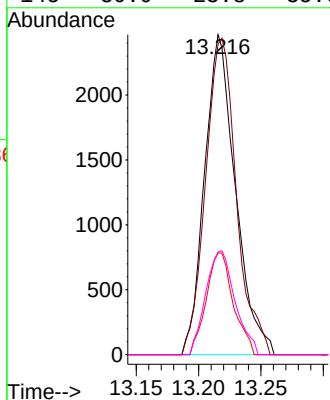
Ion Ratio Lower Upper

180 100

182 98.7 76.7 115.1

184 27.9 23.8 35.8

145 30.9 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 0.587 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

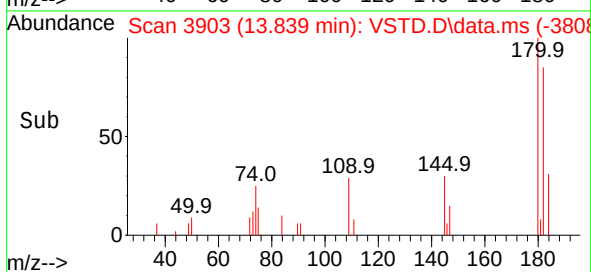
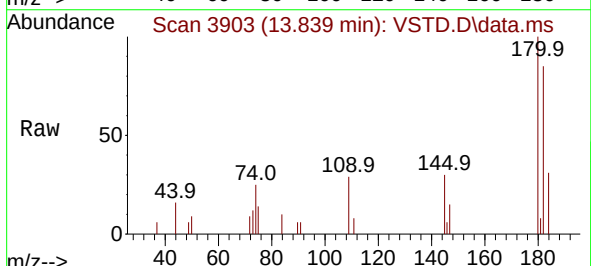
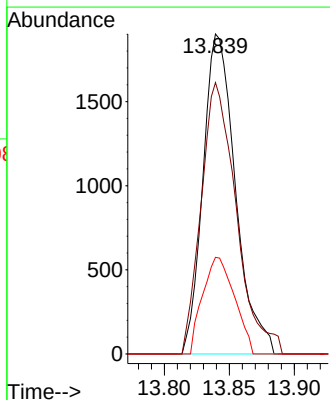
Tgt Ion:180 Resp: 3304

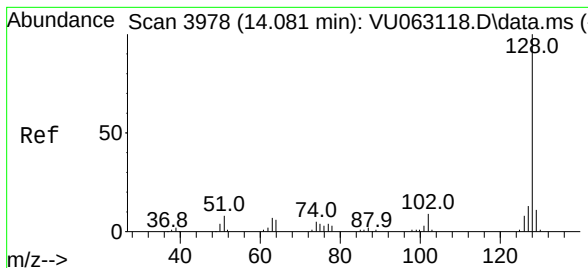
Ion Ratio Lower Upper

180 100

182 91.6 76.1 114.1

145 29.5 24.3 36.5





#71

Naphthalene

Concen: 0.559 ug/L

RT: 14.097 min Scan# 3978

Delta R.T. 0.016 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Instrument :

MSVOA_U

ClientSampleId :

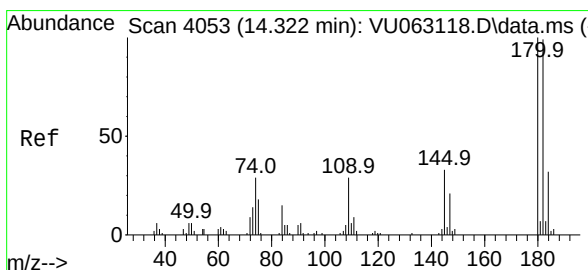
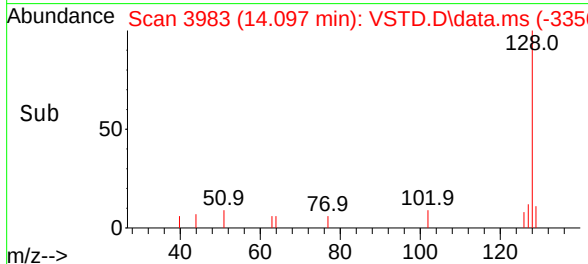
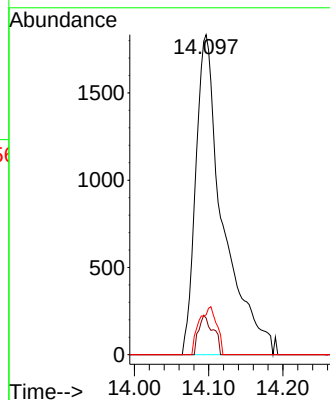
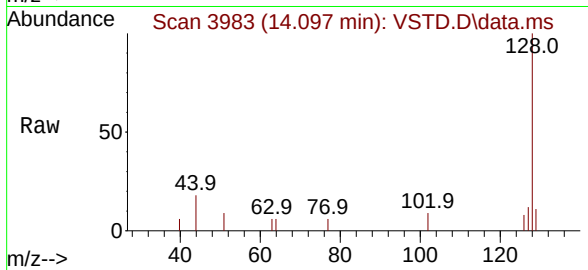
Tgt Ion:128 Resp: 4692

Ion Ratio Lower Upper

128 100

129 6.5 8.0 12.0#

127 9.7 10.6 15.8#



#72

1,2,3-Trichlorobenzene

Concen: 0.564 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 04 Feb 2025 12:38

Tgt Ion:180 Resp: 2843

Ion Ratio Lower Upper

180 100

182 98.2 78.5 117.7

145 28.4 26.1 39.1

