

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120224\
 Data File : VSTD.D
 Acq On : 02 Dec 2024 10:31
 Operator : SY/MD
 Sample : VSTD005
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 02 20:57:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 02 20:56:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	513935	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	519122	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	257881	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	21956	5.113	ug/L	0.00
7) Chloroethane-d5	1.529	69	18251	5.044	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	9398	5.162	ug/L	0.00
21) 2-Butanone-d5	3.841	46	3348	1.689	ug/L	0.06
24) Chloroform-d	4.243	84	16806	2.158	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	21893	4.746	ug/L	0.02
32) Benzene-d6	4.960	84	69293	4.633	ug/L	0.01
36) 1,2-Dichloropropane-d6	5.989	67	26950	5.563	ug/L	0.01
41) Toluene-d8	7.243	98	59012	4.362	ug/L	0.01
43) trans-1,3-Dichloroprop...	7.567	79	8989	4.060	ug/L	0.03
47) 2-Hexanone-d5	8.043	63	8861	6.509	ug/L	0.03
56) 1,1,2,2-Tetrachloroeth...	10.146	84	32348	4.973	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.554	152	23525	4.718	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	25774	5.461	ug/L	98
3) Chloromethane	1.214	50	27195	5.554	ug/L	98
5) Vinyl chloride	1.281	62	27176	5.441	ug/L	94
6) Bromomethane	1.484	94	16194	5.233	ug/L	99
8) Chloroethane	1.548	64	16546	5.236	ug/L	94
9) Trichlorofluoromethane	1.712	101	36629	5.561	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	20257	5.341	ug/L	97
12) 1,1-Dichloroethene	2.066	96	19204	5.317	ug/L	93
13) Acetone	2.114	43	33167	11.767	ug/L	97
14) Carbon disulfide	2.236	76	63115	5.309	ug/L	100
15) Methyl Acetate	2.381	43	17940	4.918	ug/L	96
16) Methylene chloride	2.442	84	23336	5.354	ug/L	100
17) trans-1,2-Dichloroethene	2.693	96	20613	5.234	ug/L	92
18) Methyl tert-butyl Ether	2.699	73	51348	4.514	ug/L	97
19) 1,1-Dichloroethane	3.111	63	37229	5.154	ug/L	97
20) cis-1,2-Dichloroethene	3.821	96	19841	4.790	ug/L	97
23) Bromochloromethane	4.153	128	11336	5.035	ug/L	94
25) Chloroform	4.272	83	38870	5.155	ug/L	96
27) 1,2-Dichloroethane	5.050	62	26603	4.837	ug/L	96
29) Cyclohexane	4.574	56	24585	4.408	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	34294	5.228	ug/L #	75
31) Carbon tetrachloride	4.731	117	30571	5.303	ug/L	97
33) Benzene	5.011	78	75108	4.793	ug/L	100
34) Trichloroethene	5.834	95	20987	5.013	ug/L	96
35) Methylcyclohexane	6.040	83	26238	4.365	ug/L	94
37) 1,2-Dichloropropane	6.091	63	19427	4.768	ug/L #	95
38) Bromodichloromethane	6.432	83	28553	5.050	ug/L #	96
39) cis-1,3-Dichloropropene	6.960	75	26024	4.116	ug/L	91
40) 4-Methyl-2-pentanone	7.162	43	32933	7.602	ug/L	97
42) Toluene	7.313	91	74545	4.579	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	23488	3.915	ug/L	96
45) 1,1,2-Trichloroethane	7.767	97	21040	4.977	ug/L	97

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 ALS Vial : 4 Sample Multiplier: 1

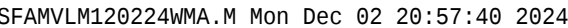
Instrument :
 MSVOA_V
 ClientSampleId :

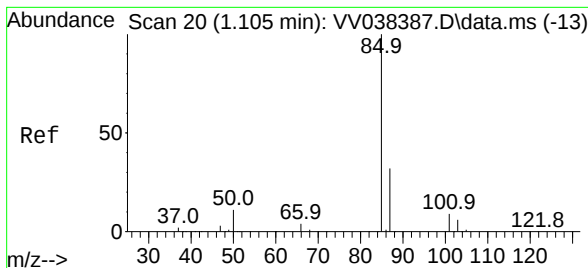
Quant Time: Dec 02 20:57:27 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Tetrachloroethene	7.905	164	16462	5.094	ug/L	99
49) Dibromochloromethane	8.172	129	20944	4.804	ug/L	99
50) 1,2-Dibromoethane	8.281	107	21651	4.860	ug/L	98
51) Chlorobenzene	8.808	112	57956	5.182	ug/L	98
52) Ethylbenzene	8.943	91	75531	4.326	ug/L	99
53) m,p-Xylene	9.069	106	27094	4.094	ug/L	99
54) o-Xylene	9.474	106	26489	4.161	ug/L	91
55) Styrene	9.496	104	42230	3.778	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	33635	5.122	ug/L	96
59) Bromoform	9.660	173	13352	4.816	ug/L #	96
60) Isopropylbenzene	9.860	105	71164	4.513	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	23484	5.231	ug/L	96
62) 1,3,5-Trimethylbenzene	10.471	105	54931	4.341	ug/L	97
63) 1,2,4-Trimethylbenzene	10.847	105	49873	4.009	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	40583	5.014	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	45962	5.341	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	43298	5.247	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	5796	4.898	ug/L	92
69) 1,3,5-Trichlorobenzene	12.577	180	27015	4.893	ug/L	97
70) 1,2,4-trichlorobenzene	13.194	180	20857	4.484	ug/L	98
71) Naphthalene	13.438	128	57990	4.715	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	21569	4.727	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 5.461 ug/L

RT: 1.105 min Scan# 20

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Instrument :

MSVOA_V

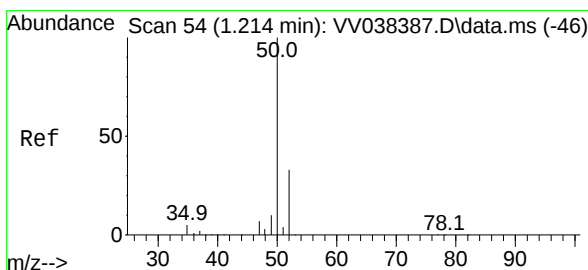
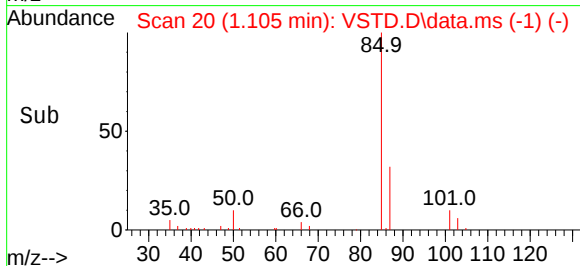
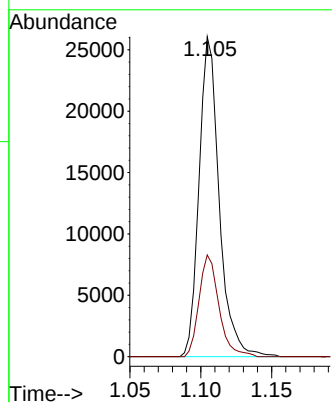
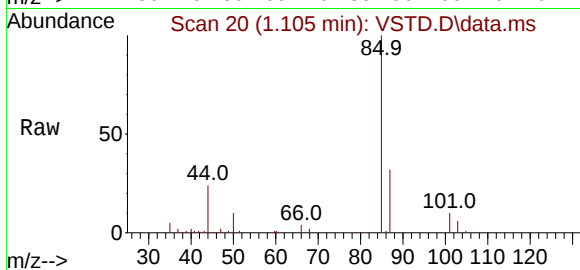
ClientSampleId :

Tgt Ion: 85 Resp: 25774

Ion Ratio Lower Upper

85 100

87 31.3 25.8 38.6



#3

Chloromethane

Concen: 5.554 ug/L

RT: 1.214 min Scan# 54

Delta R.T. 0.000 min

Lab File: VSTD.D

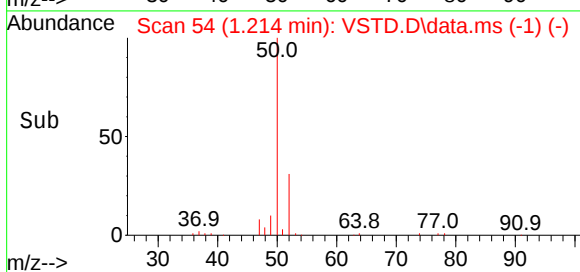
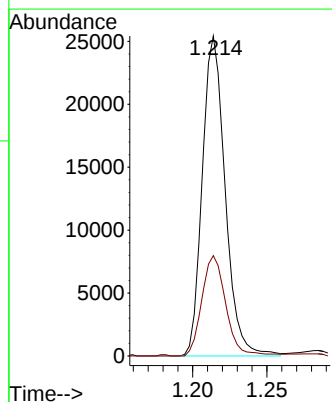
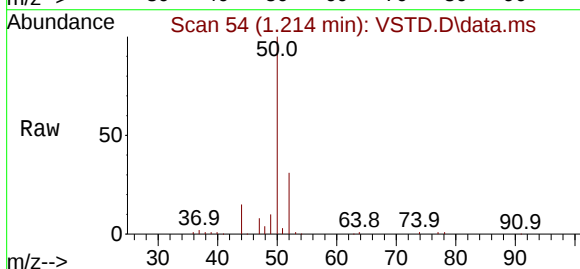
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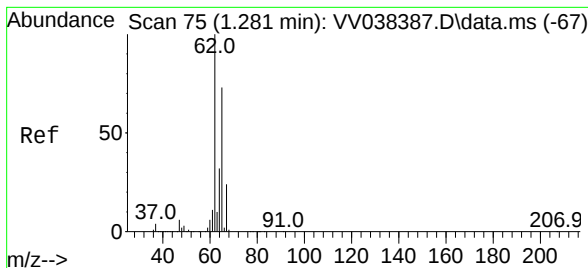
Tgt Ion: 50 Resp: 27195

Ion Ratio Lower Upper

50 100

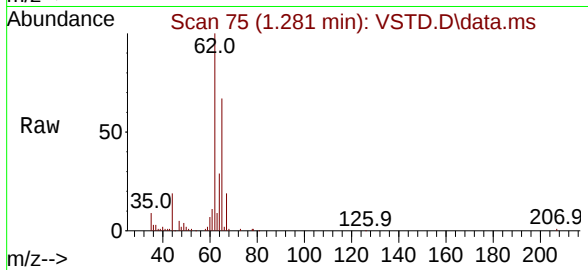
52 31.4 22.7 42.3



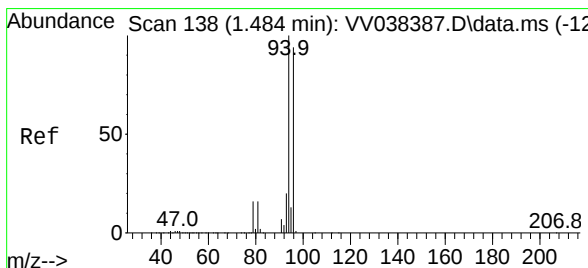
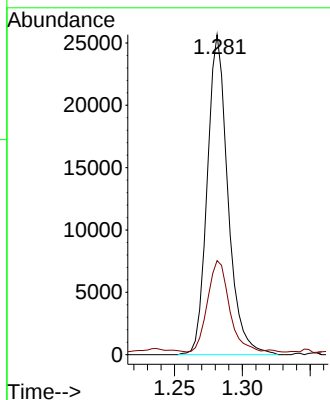
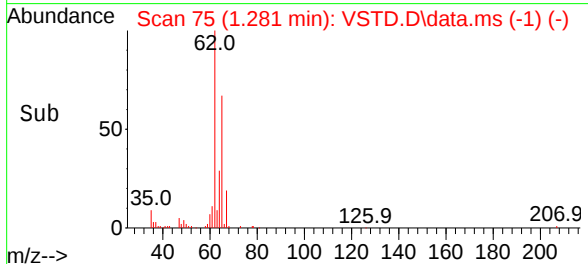


#5
 Vinyl chloride
 Concen: 5.441 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VSTD.D
 Acq: 02 Dec 2024 10:31

Instrument :
 MSVOA_V
 ClientSampleId :

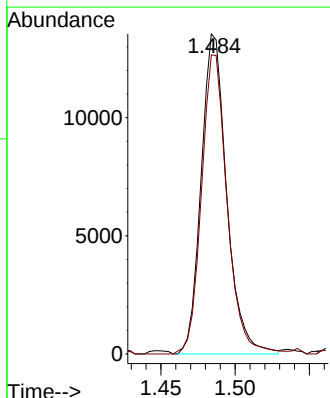
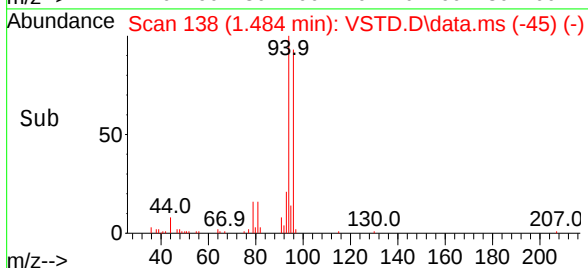
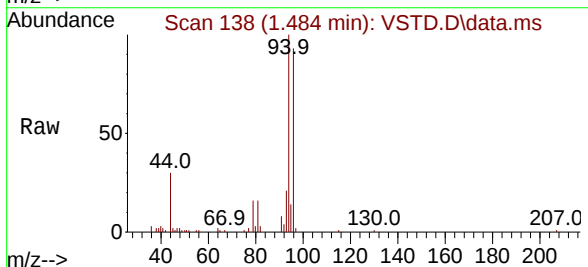


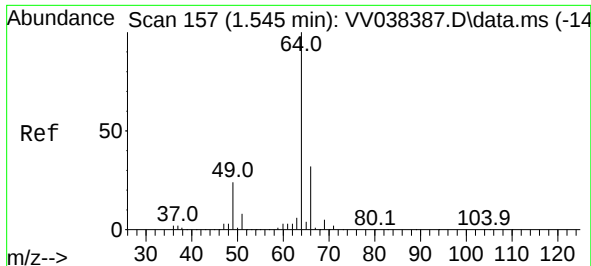
Tgt Ion: 62 Resp: 27176
 Ion Ratio Lower Upper
 62 100
 64 29.4 22.8 42.4



#6
 Bromomethane
 Concen: 5.233 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VSTD.D
 Acq: 02 Dec 2024 10:31

Tgt Ion: 94 Resp: 16194
 Ion Ratio Lower Upper
 94 100
 96 93.4 66.1 122.8

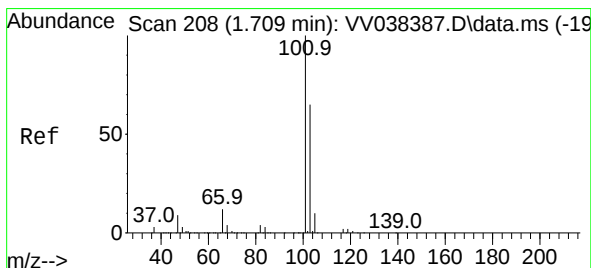
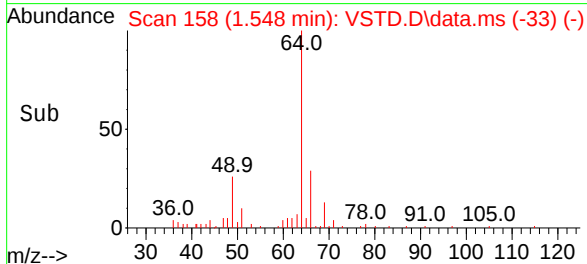
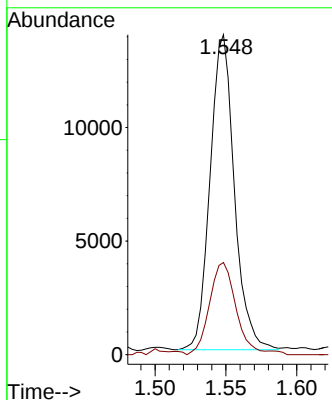
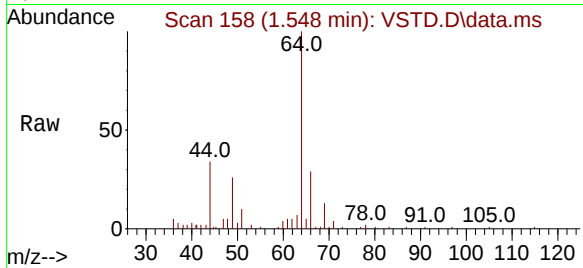




#8
Chloroethane
Concen: 5.236 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

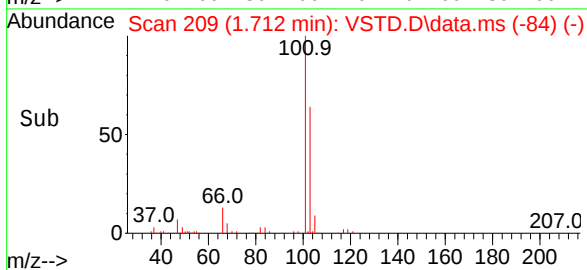
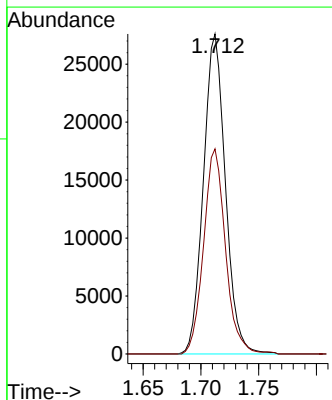
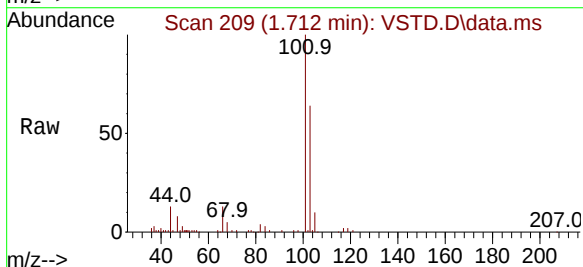
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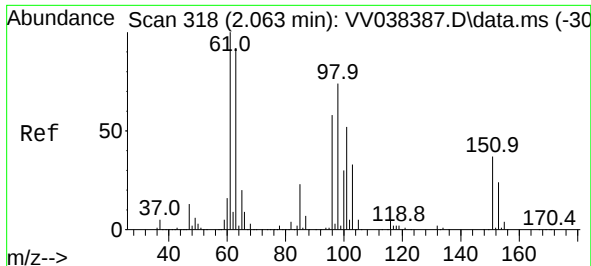
Tgt Ion: 64 Resp: 16546
Ion Ratio Lower Upper
64 100
66 28.8 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.561 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

Tgt Ion:101 Resp: 36629
Ion Ratio Lower Upper
101 100
103 63.6 51.7 77.5

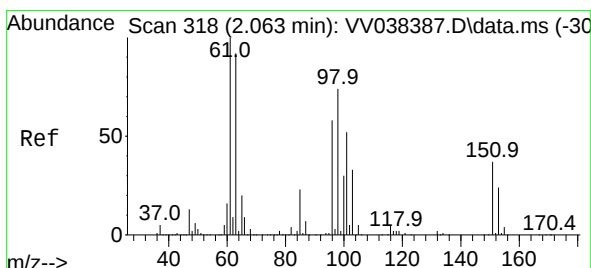
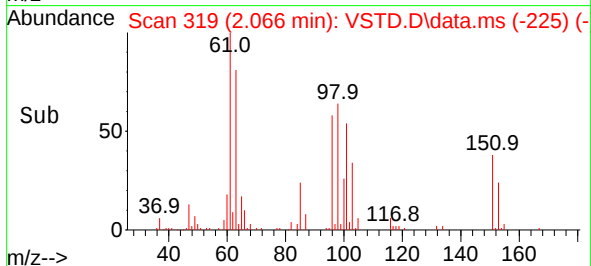
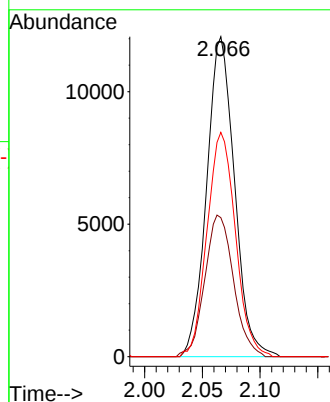
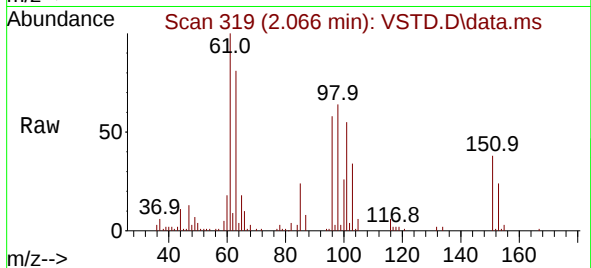




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.341 ug/L
RT: 2.066 min Scan# 318
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

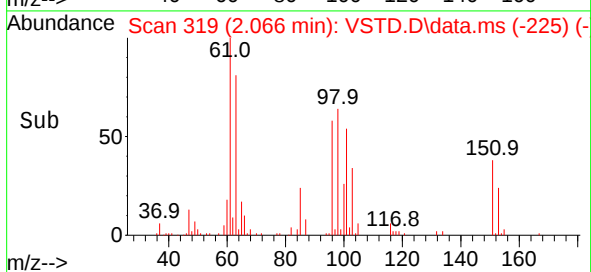
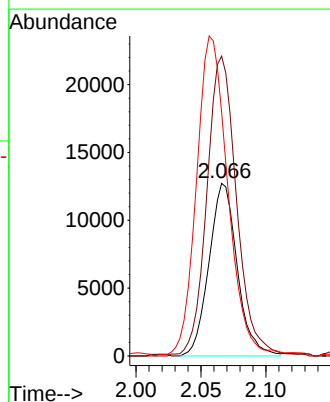
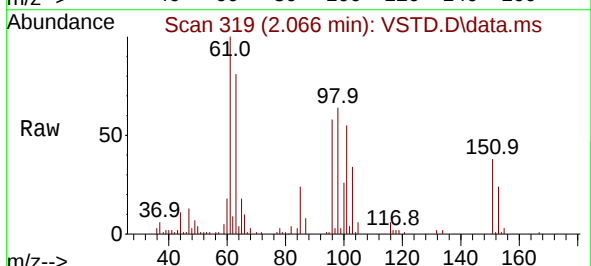
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MSVOA_V
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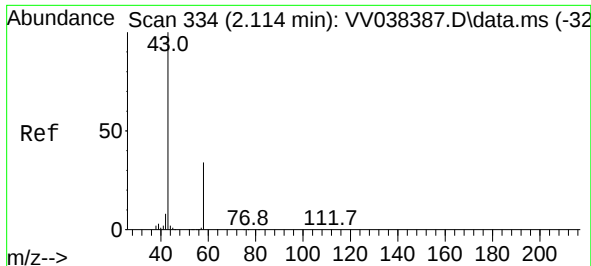
Tgt Ion:101 Resp: 20257
Ion Ratio Lower Upper
101 100
85 45.7 34.7 52.1
151 71.7 55.3 82.9



#12
1,1-Dichloroethene
Concen: 5.317 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

Tgt Ion: 96 Resp: 19204
Ion Ratio Lower Upper
96 100
61 173.7 120.9 224.5
63 141.1 110.9 205.9





#13

Acetone

Concen: 11.767 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.000 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Instrument :

MSVOA_V

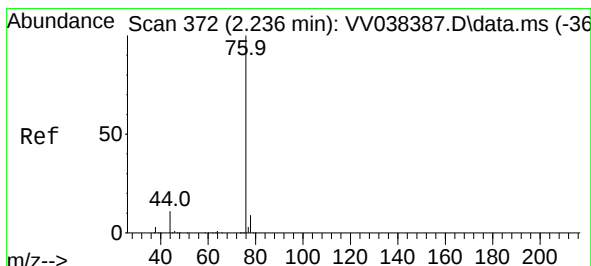
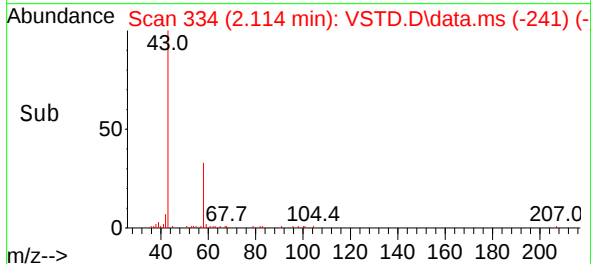
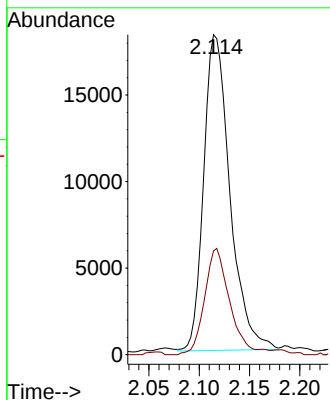
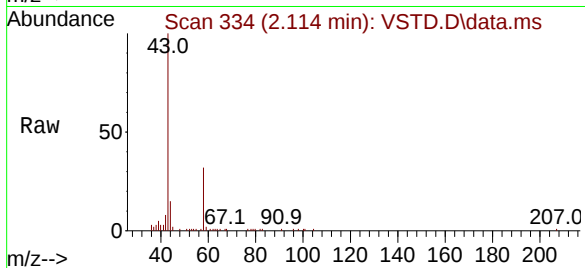
ClientSampleId :

Tgt Ion: 43 Resp: 33167

Ion Ratio Lower Upper

43 100

58 31.8 0.0 67.2



#14

Carbon disulfide

Concen: 5.309 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.000 min

Lab File: VSTD.D

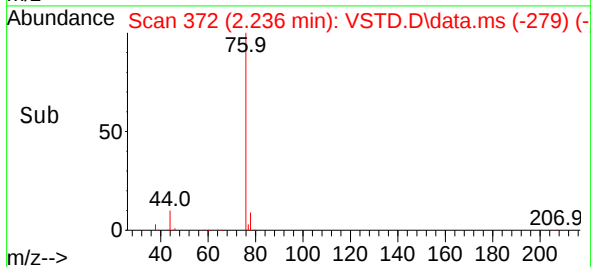
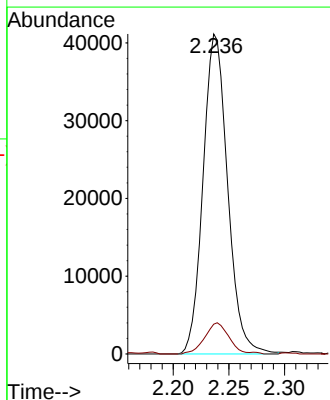
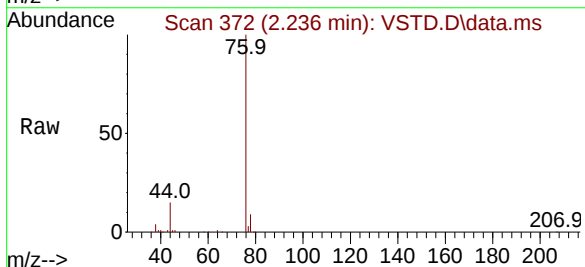
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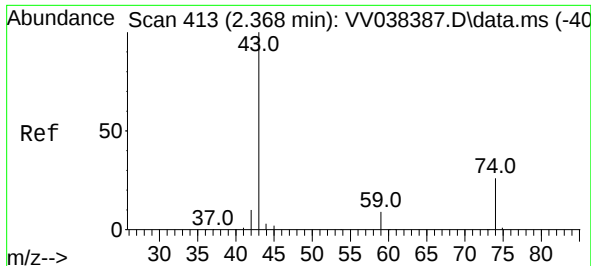
Tgt Ion: 76 Resp: 63115

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

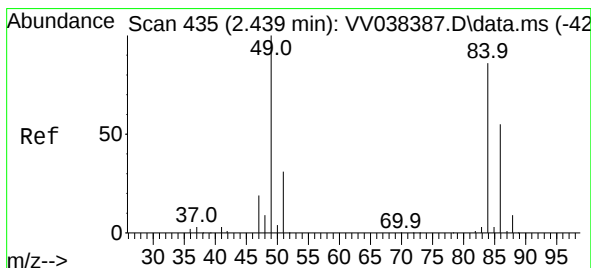
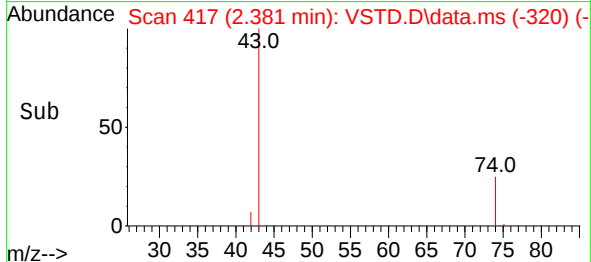
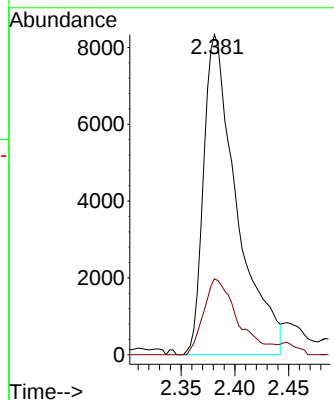
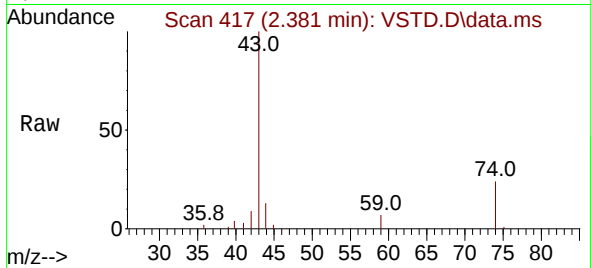




#15
Methyl Acetate
Concen: 4.918 ug/L
RT: 2.381 min Scan# 413
Delta R.T. 0.013 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

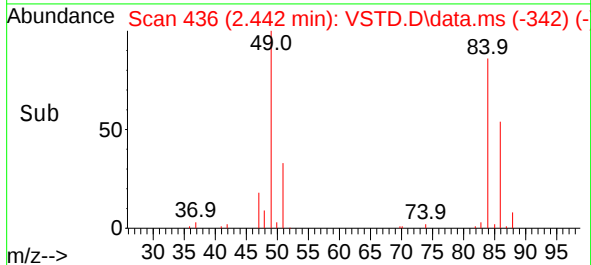
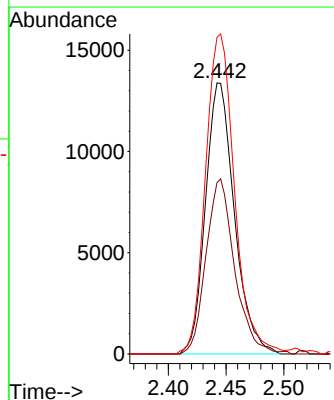
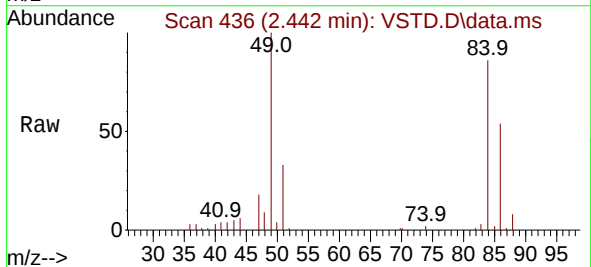
Instrument :
MSVOA_V
ClientSampleId :

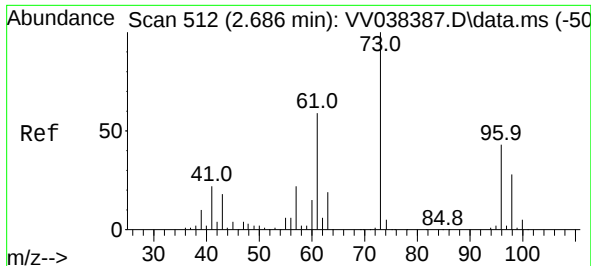
Tgt Ion: 43 Resp: 17940
Ion Ratio Lower Upper
43 100
74 23.7 20.6 31.0



#16
Methylene chloride
Concen: 5.354 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.003 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

Tgt Ion: 84 Resp: 23336
Ion Ratio Lower Upper
84 100
86 63.2 44.5 82.7
49 116.8 81.7 151.7





#17

trans-1,2-Dichloroethene

Concen: 5.234 ug/L

RT: 2.693 min Scan# 512

Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Instrument :

MSVOA_V

ClientSampleId :

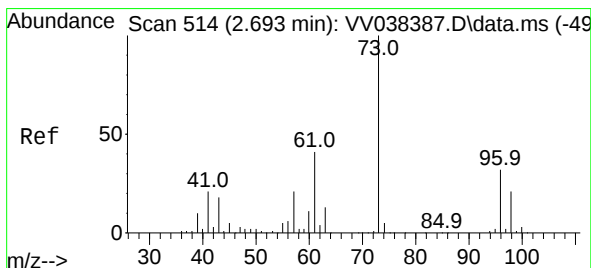
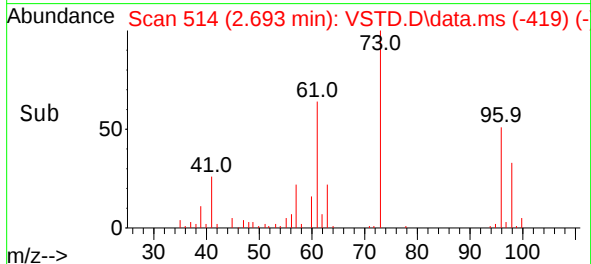
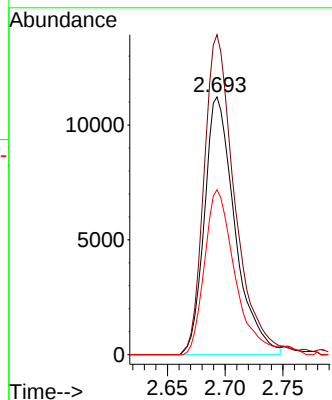
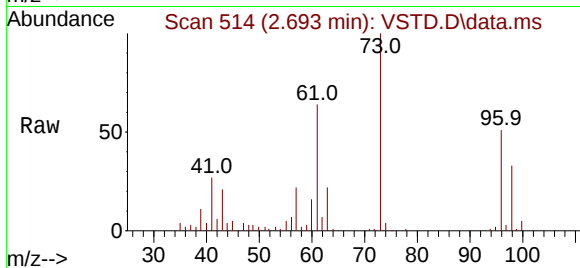
Tgt Ion: 96 Resp: 20613

Ion Ratio Lower Upper

96 100

61 124.2 95.7 177.7

98 64.0 46.4 86.2



#18

Methyl tert-butyl Ether

Concen: 4.514 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

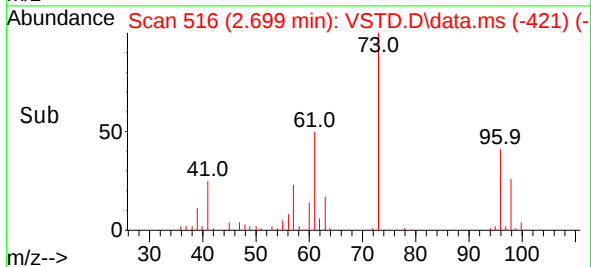
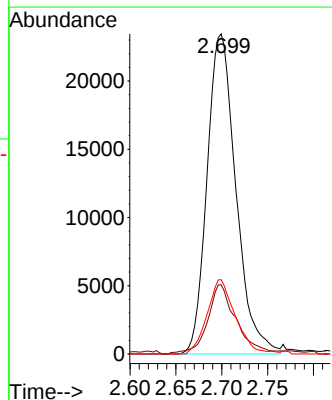
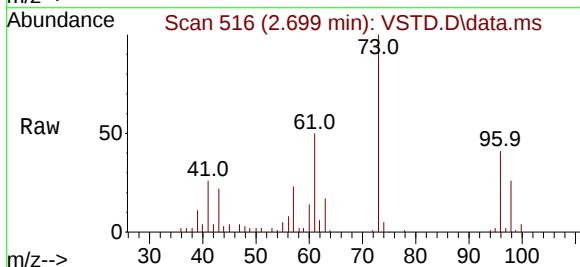
Tgt Ion: 73 Resp: 51348

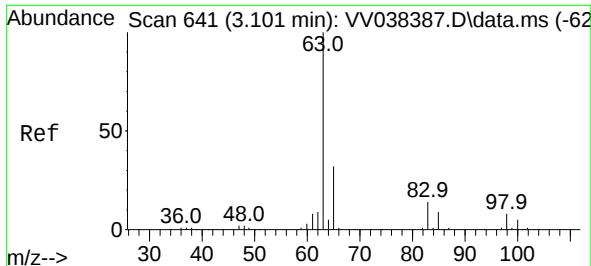
Ion Ratio Lower Upper

73 100

43 21.4 14.7 22.1

57 22.5 17.7 26.5

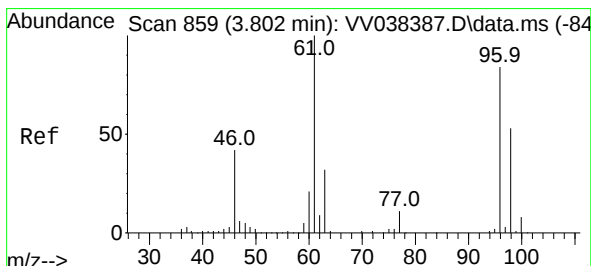
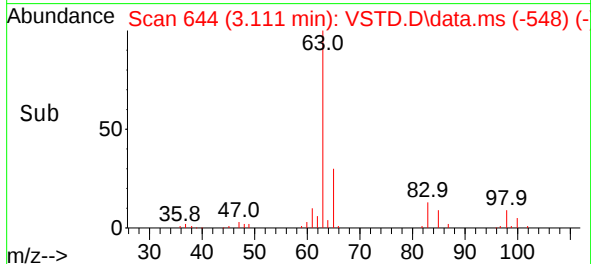
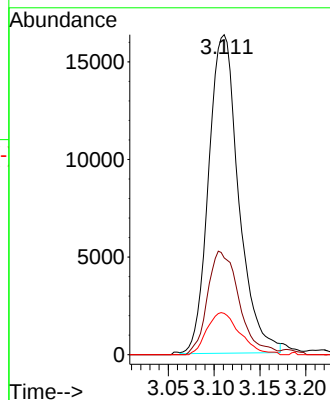
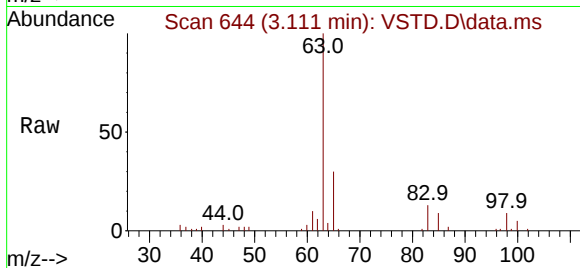




#19
1,1-Dichloroethane
Concen: 5.154 ug/L
RT: 3.111 min Scan# 641
Delta R.T. 0.010 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

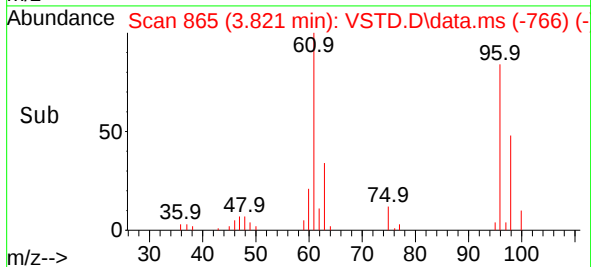
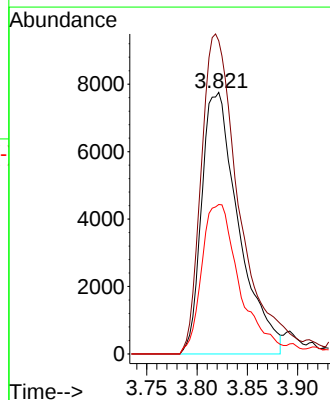
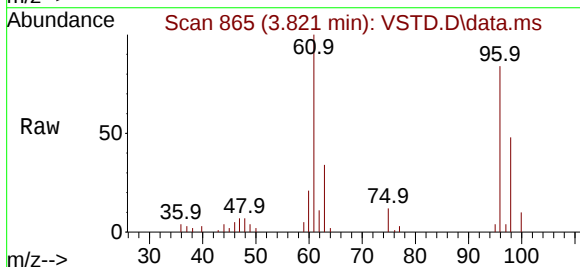
Instrument :
MSVOA_V
ClientSampleId :

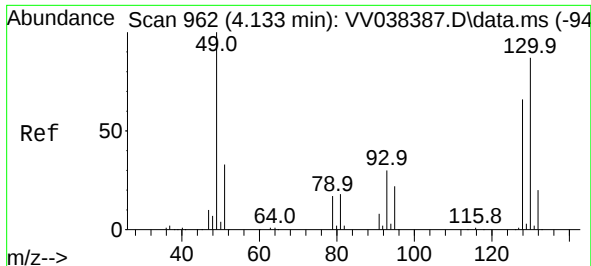
Tgt Ion: 63 Resp: 37229
Ion Ratio Lower Upper
63 100
65 30.2 22.6 42.0
83 12.9 9.8 18.2



#20
cis-1,2-Dichloroethene
Concen: 4.790 ug/L
RT: 3.821 min Scan# 865
Delta R.T. 0.019 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

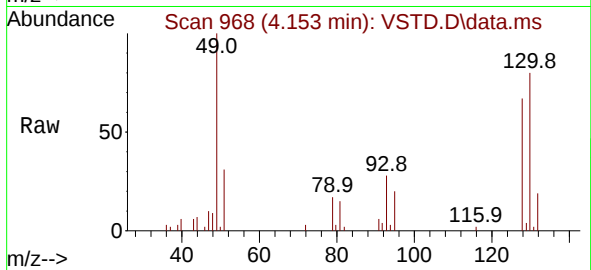
Tgt Ion: 96 Resp: 19841
Ion Ratio Lower Upper
96 100
61 119.7 83.5 155.1
98 57.1 44.6 82.8



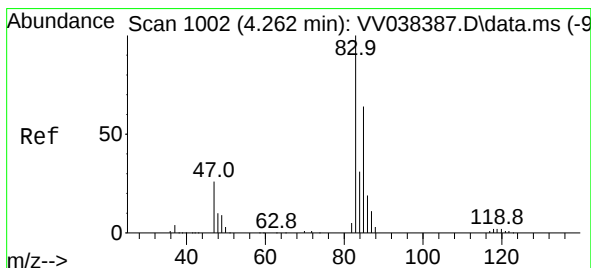
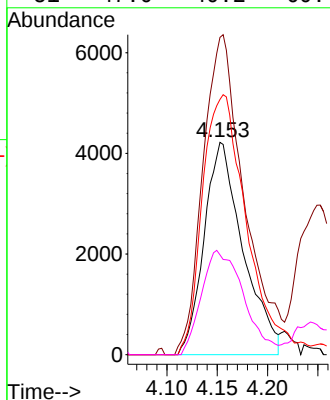
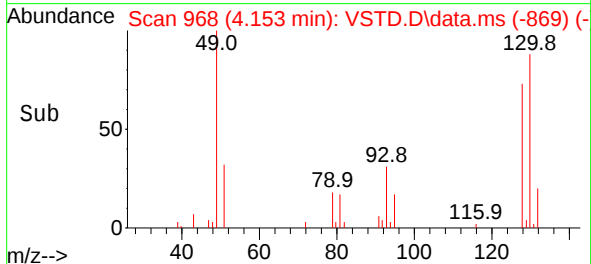


#23
Bromochloromethane
Concen: 5.035 ug/L
RT: 4.153 min Scan# 90
Delta R.T. 0.019 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

Instrument :
MSVOA_V
ClientSampleId :

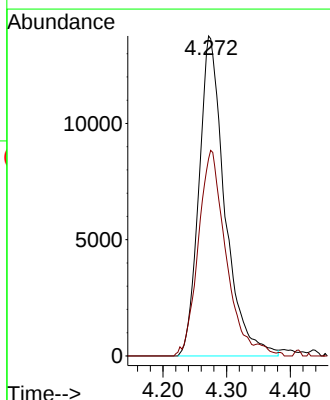
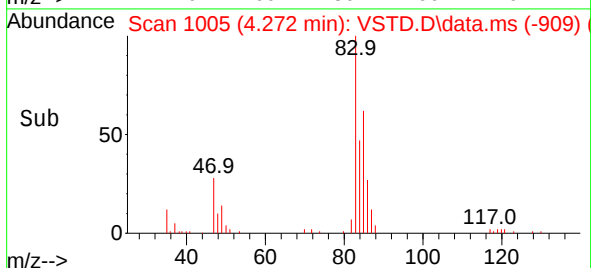
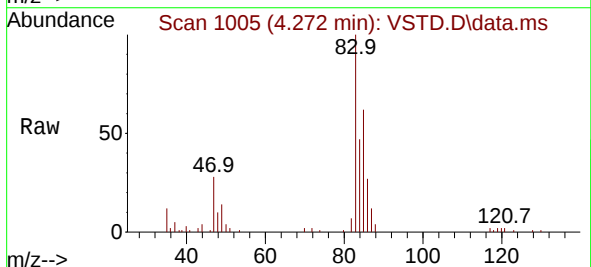


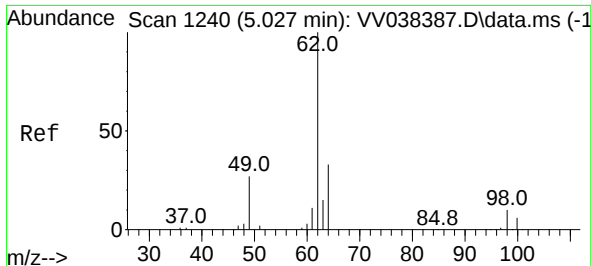
Tgt Ion:128 Resp: 11336
Ion Ratio Lower Upper
128 100
49 149.4 106.7 198.3
130 120.1 93.2 173.2
51 47.0 40.2 60.4



#25
Chloroform
Concen: 5.155 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.010 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

Tgt Ion: 83 Resp: 38870
Ion Ratio Lower Upper
83 100
85 61.7 45.2 84.0





#27

1,2-Dichloroethane

Concen: 4.837 ug/L

RT: 5.050 min Scan# 11

Delta R.T. 0.023 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Instrument :

MSVOA_V

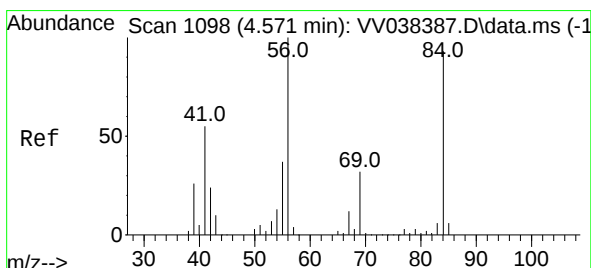
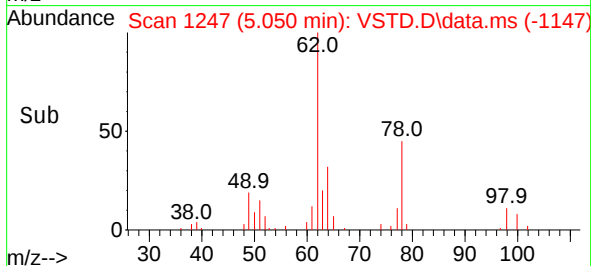
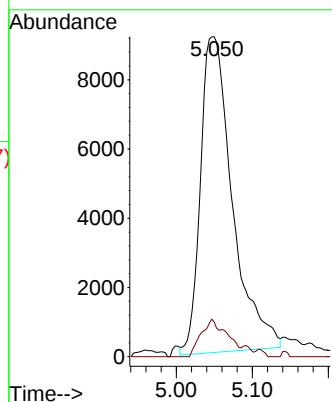
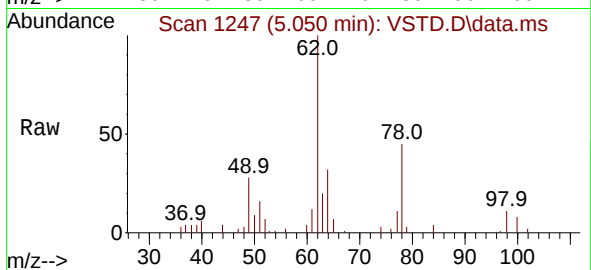
ClientSampleId :

Tgt Ion: 62 Resp: 26603

Ion Ratio Lower Upper

62 100

98 10.9 7.5 11.3



#29

Cyclohexane

Concen: 4.408 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

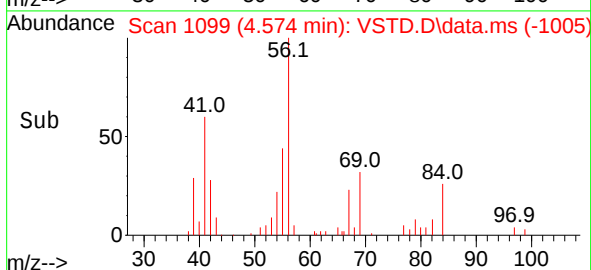
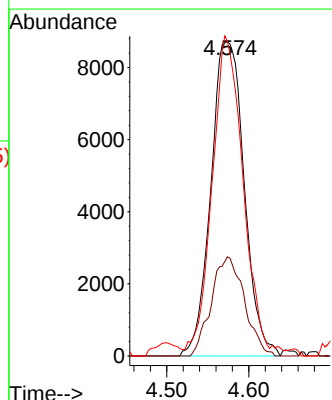
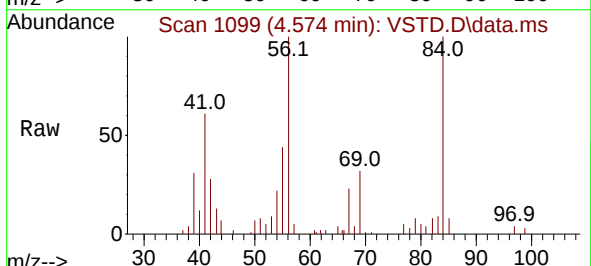
Tgt Ion: 56 Resp: 24585

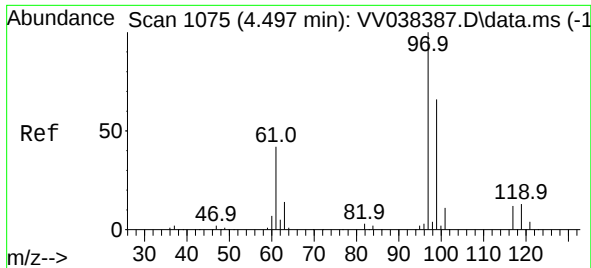
Ion Ratio Lower Upper

56 100

69 31.3 24.8 37.2

84 90.7 73.7 110.5





#30

1,1,1-Trichloroethane

Concen: 5.228 ug/L

RT: 4.506 min Scan# 1

Delta R.T. 0.010 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Instrument :

MSVOA_V

ClientSampleId :

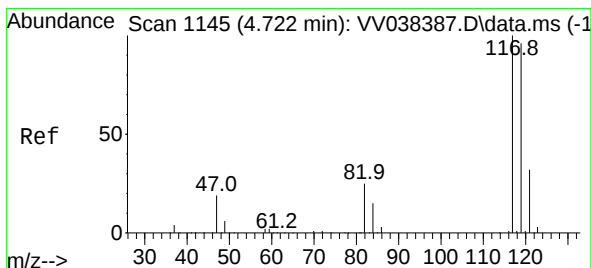
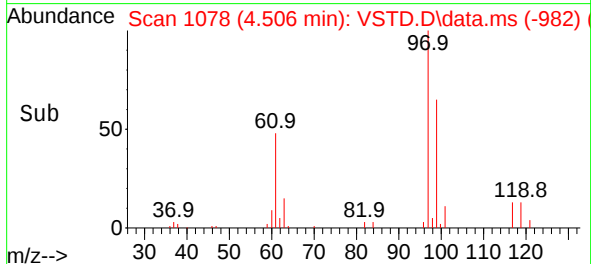
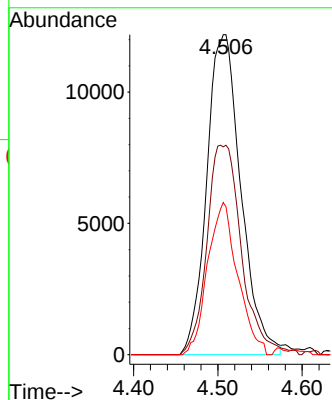
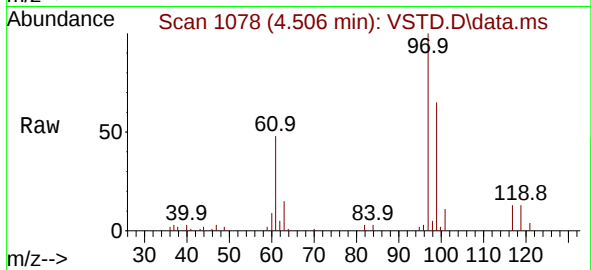
Tgt Ion: 97 Resp: 34294

Ion Ratio Lower Upper

97 100

99 33.0 52.3 78.5#

61 41.8 33.6 50.4



#31

Carbon tetrachloride

Concen: 5.303 ug/L

RT: 4.731 min Scan# 1148

Delta R.T. 0.010 min

Lab File: VSTD.D

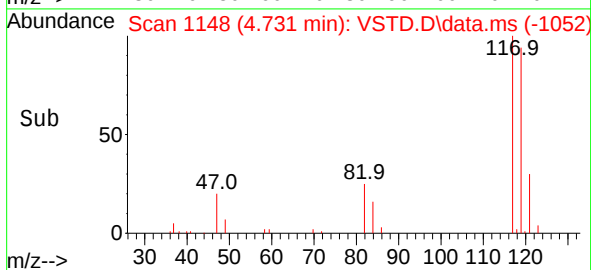
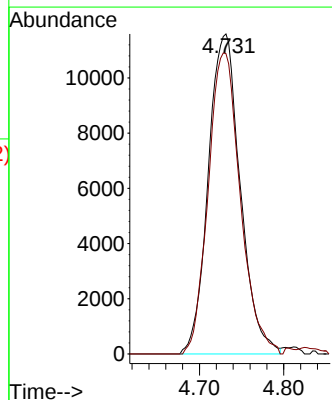
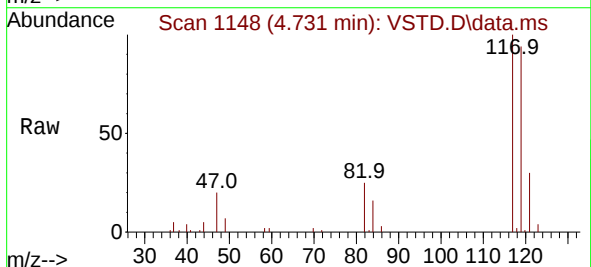
Acq: 02 Dec 2024 10:31

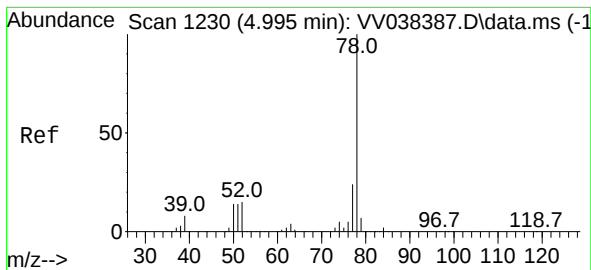
Tgt Ion: 117 Resp: 30571

Ion Ratio Lower Upper

117 100

119 94.4 77.7 116.5





#33

Benzene

Concen: 4.793 ug/L

RT: 5.011 min Scan# 1490

Delta R.T. 0.016 min

Lab File: VSTD.D

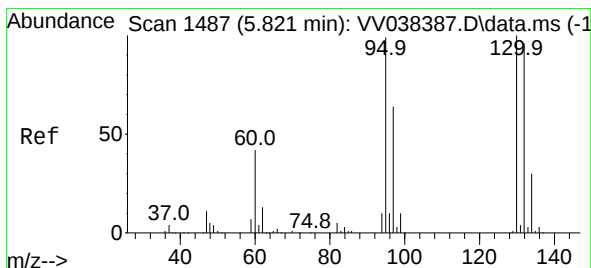
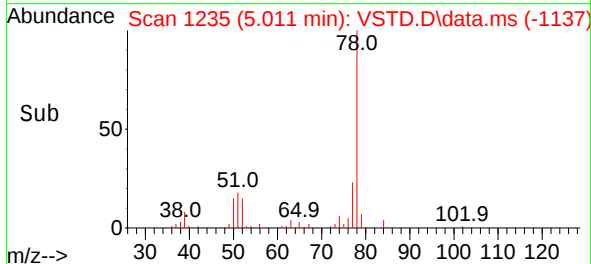
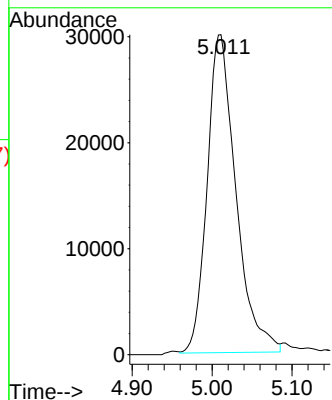
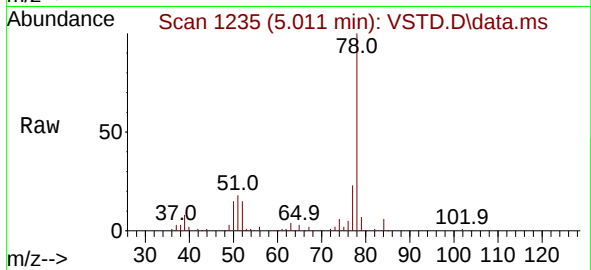
Acq: 02 Dec 2024 10:31

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 75108



#34

Trichloroethene

Concen: 5.013 ug/L

RT: 5.834 min Scan# 1491

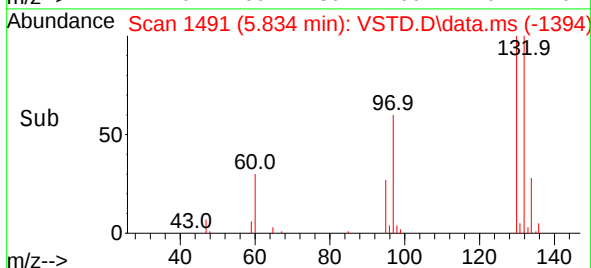
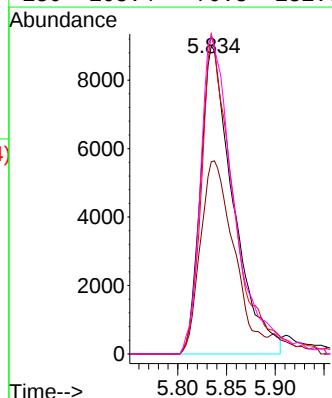
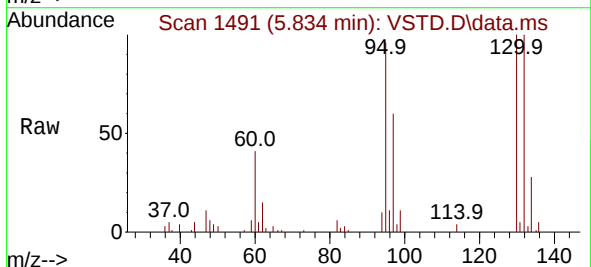
Delta R.T. 0.013 min

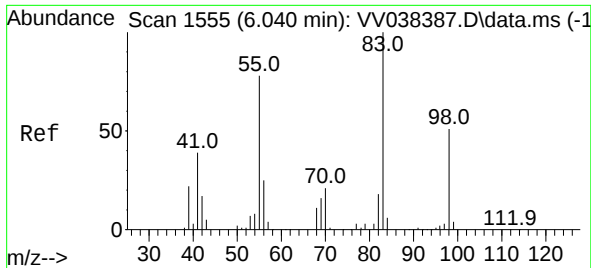
Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Tgt Ion: 95 Resp: 20987

Ion	Ratio	Lower	Upper
95	100		
97	62.4	45.6	84.8
132	103.9	67.6	125.6
130	103.4	70.8	131.6





#35

Methylcyclohexane

Concen: 4.365 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VSTD.D

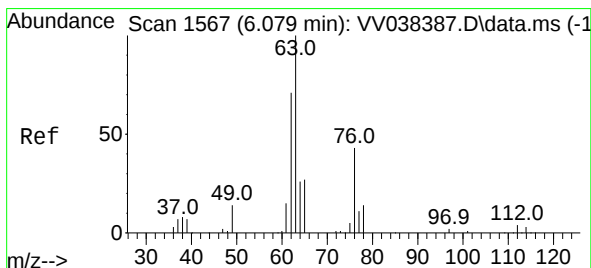
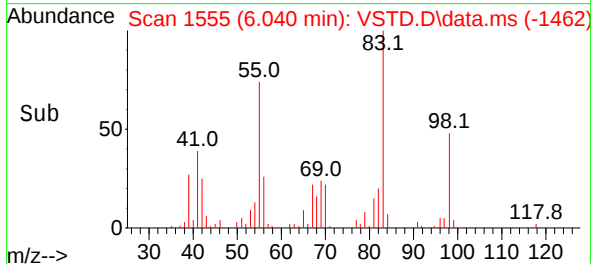
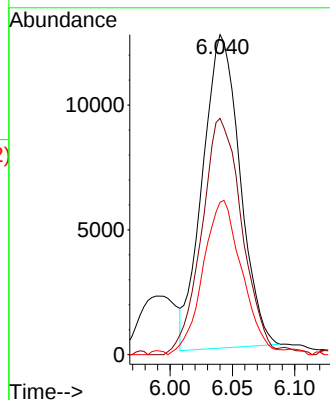
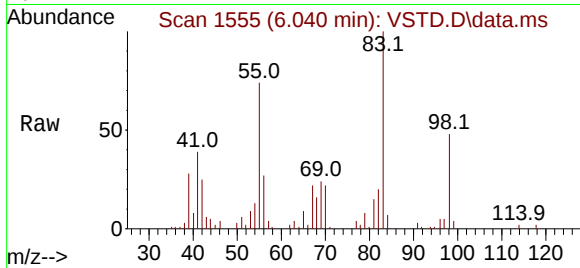
Acq: 02 Dec 2024 10:31

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 26238
Ion Ratio	Lower Upper
83 100	
55 80.9	59.0 88.6
98 51.4	39.5 59.3



#37

1,2-Dichloropropane

Concen: 4.768 ug/L

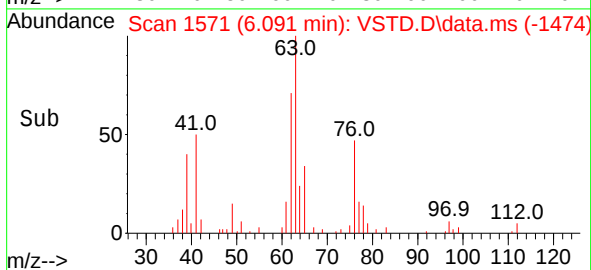
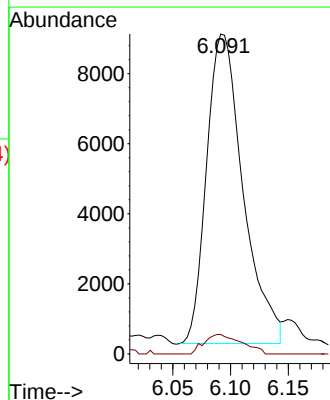
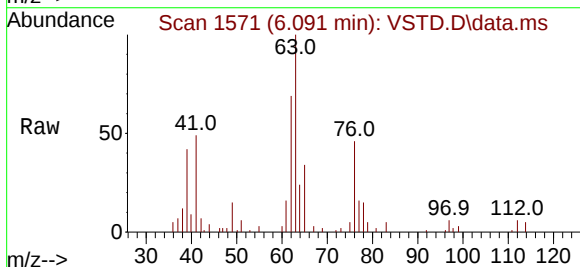
RT: 6.091 min Scan# 1571

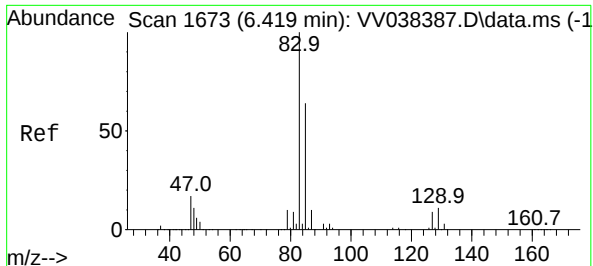
Delta R.T. 0.013 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Tgt Ion: 63	Resp: 19427
Ion Ratio	Lower Upper
63 100	
112 6.5	3.8 5.6#





#38

Bromodichloromethane

Concen: 5.050 ug/L

RT: 6.432 min Scan# 1

Delta R.T. 0.013 min

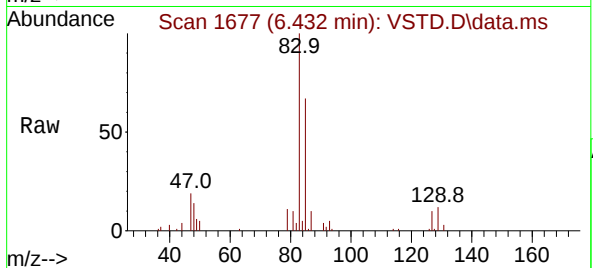
Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

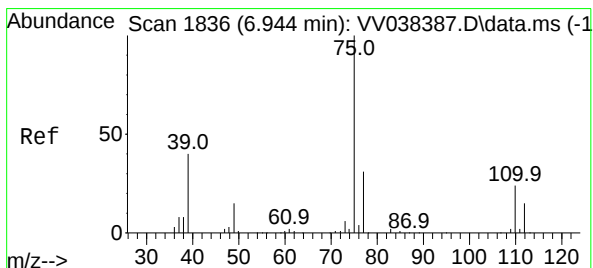
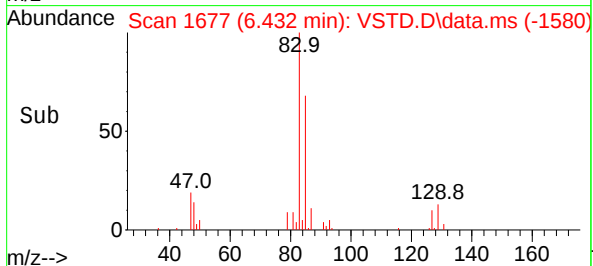
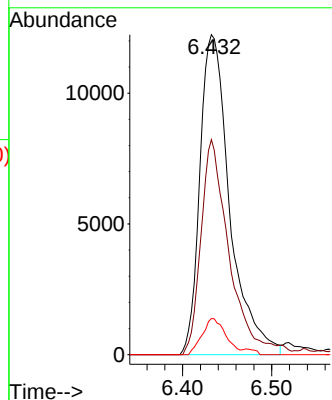
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	83	Resp:	28553
Ion	Ratio	Lower	Upper
83	100		
85	67.2	44.9	83.5
127	11.3	6.8	10.2#



#39

cis-1,3-Dichloropropene

Concen: 4.116 ug/L

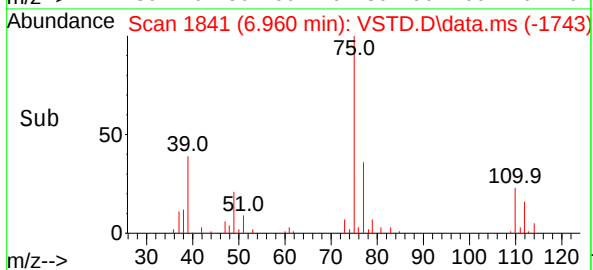
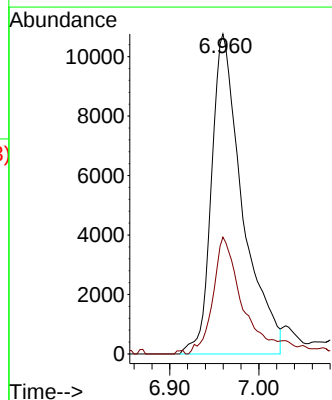
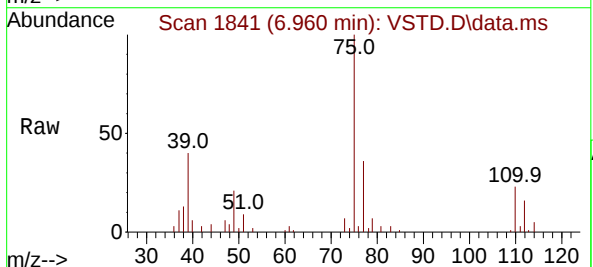
RT: 6.960 min Scan# 1841

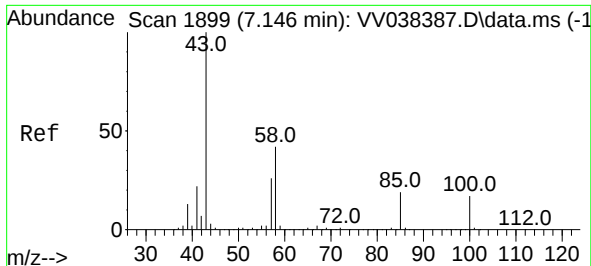
Delta R.T. 0.016 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Tgt Ion:	75	Resp:	26024
Ion	Ratio	Lower	Upper
75	100		
77	36.5	21.9	40.7





#40

4-Methyl-2-pentanone

Concen: 7.602 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.016 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Instrument :

MSVOA_V

ClientSampleId :

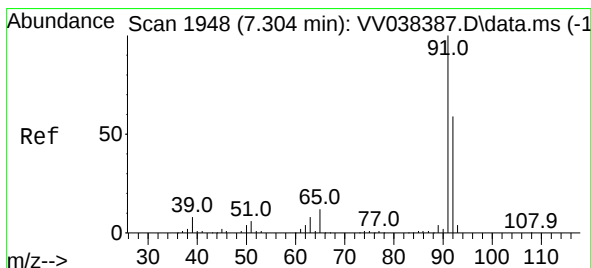
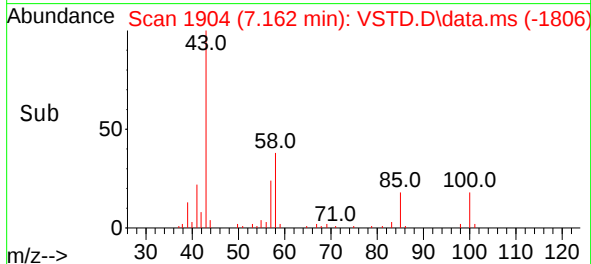
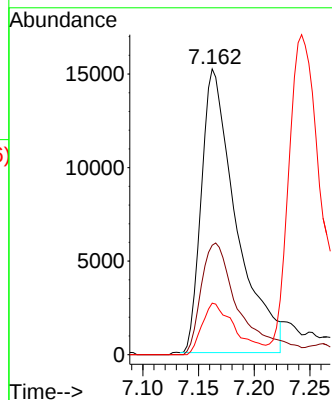
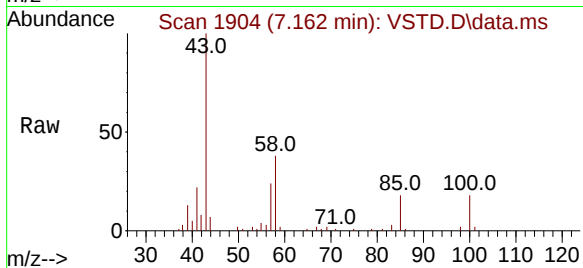
Tgt Ion: 43 Resp: 32933

Ion Ratio Lower Upper

43 100

58 43.0 32.7 49.1

100 17.6 13.7 20.5



#42

Toluene

Concen: 4.579 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.010 min

Lab File: VSTD.D

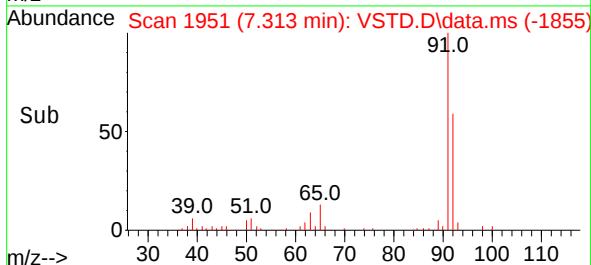
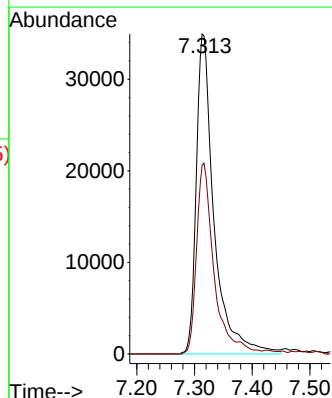
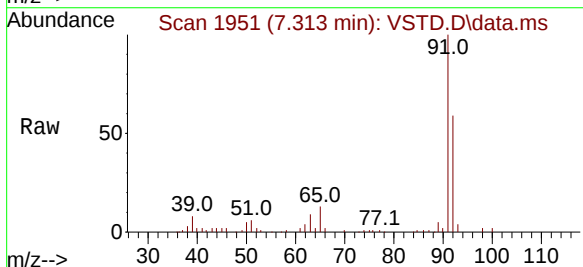
Acq: 02 Dec 2024 10:31

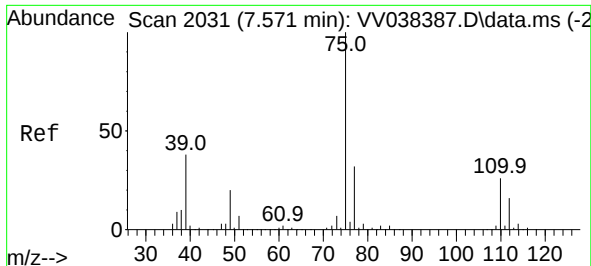
Tgt Ion: 91 Resp: 74545

Ion Ratio Lower Upper

91 100

92 59.0 41.2 76.4

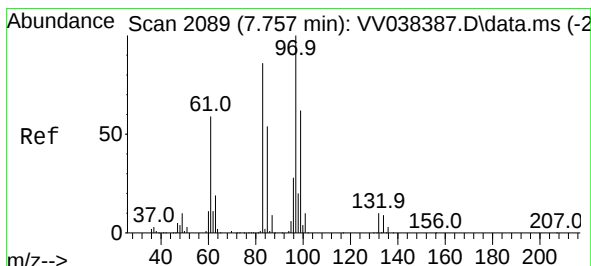
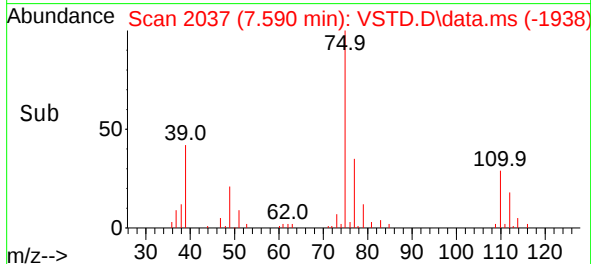
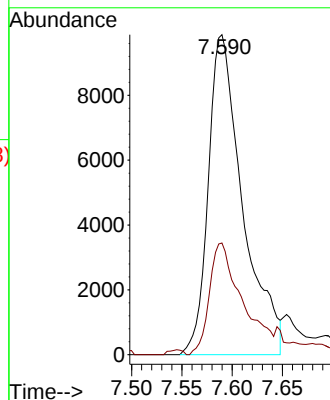
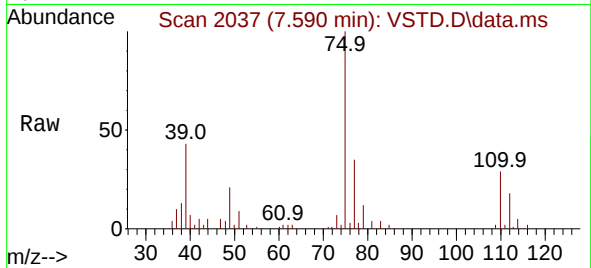




#44
trans-1,3-Dichloropropene
Concen: 3.915 ug/L
RT: 7.590 min Scan# 2037
Delta R.T. 0.019 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

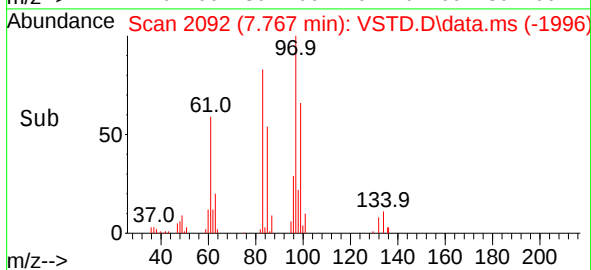
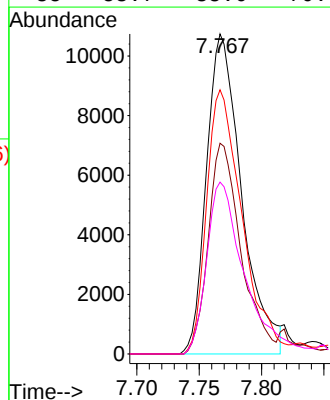
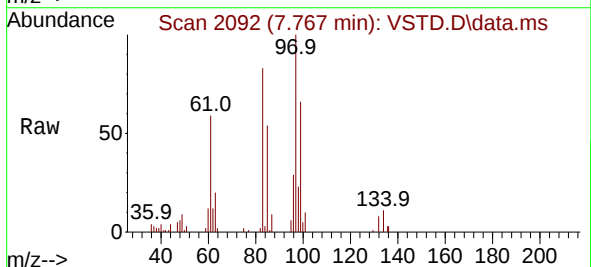
Instrument :
MSVOA_V
ClientSampleId :

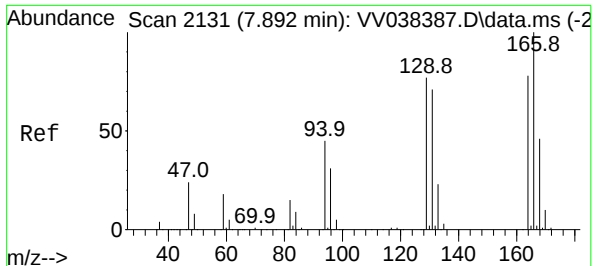
Tgt Ion: 75 Resp: 23488
Ion Ratio Lower Upper
75 100
77 34.9 22.7 42.1



#45
1,1,2-Trichloroethane
Concen: 4.977 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.010 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

Tgt Ion: 97 Resp: 21040
Ion Ratio Lower Upper
97 100
99 65.8 43.6 81.0
83 82.5 60.5 112.5
85 53.7 38.0 70.6





#46

Tetrachloroethene

Concen: 5.094 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.013 min

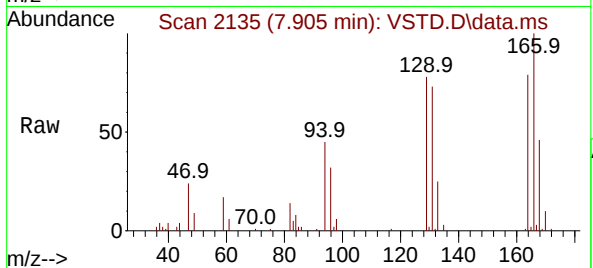
Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 16462

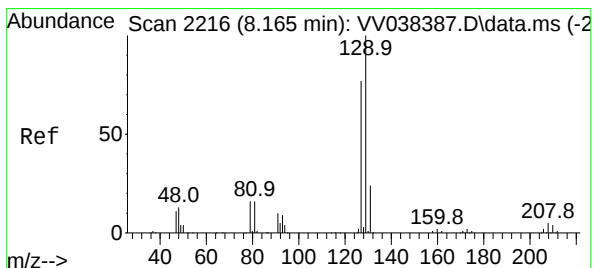
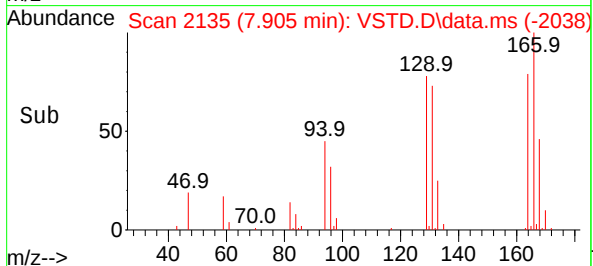
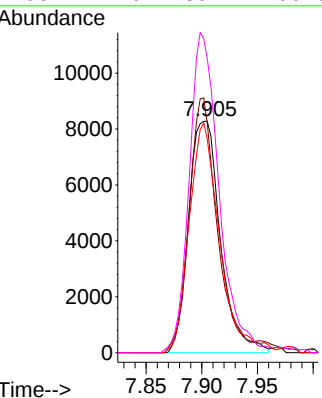
Ion Ratio Lower Upper

164 100

129 99.2 69.2 128.4

131 92.2 63.1 117.3

166 127.0 89.7 166.5



#49

Dibromochloromethane

Concen: 4.804 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.006 min

Lab File: VSTD.D

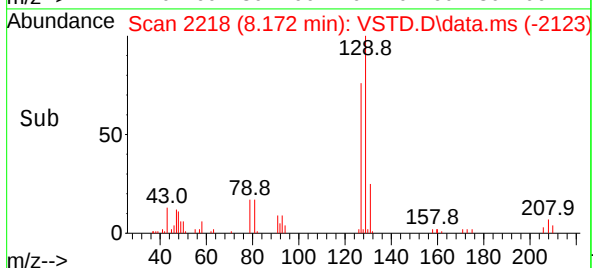
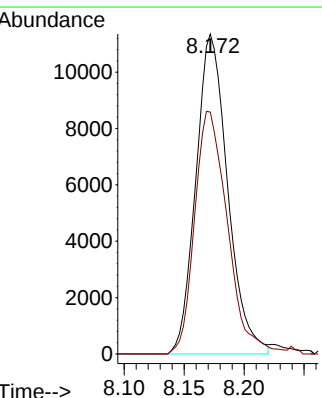
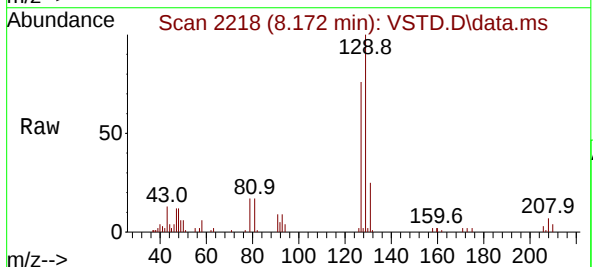
Acq: 02 Dec 2024 10:31

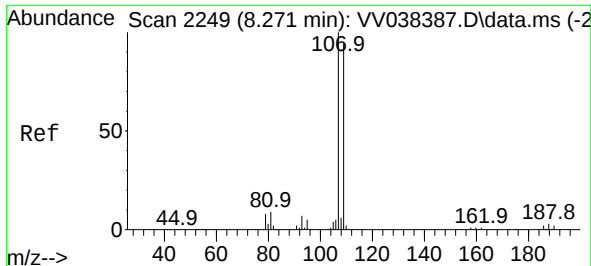
Tgt Ion:129 Resp: 20944

Ion Ratio Lower Upper

129 100

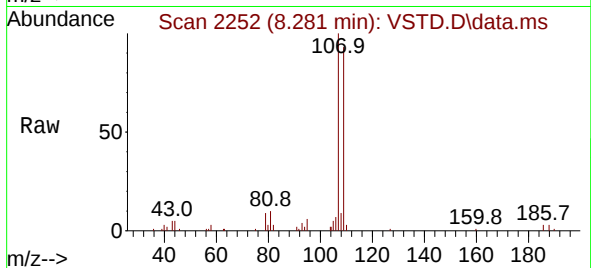
127 75.6 53.8 100.0



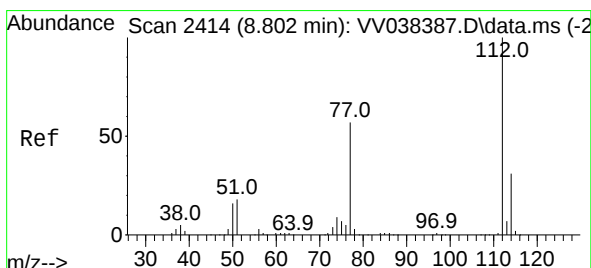
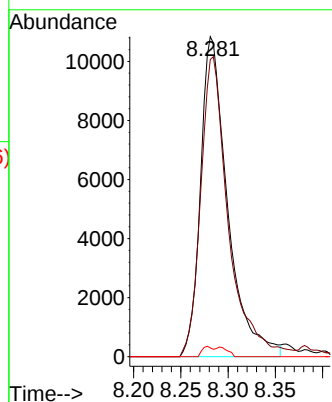
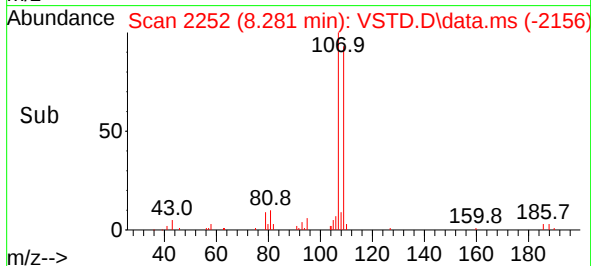


#50
1,2-Dibromoethane
Concen: 4.860 ug/L
RT: 8.281 min Scan# 21651
Delta R.T. 0.010 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

Instrument :
MSVOA_V
ClientSampleId :

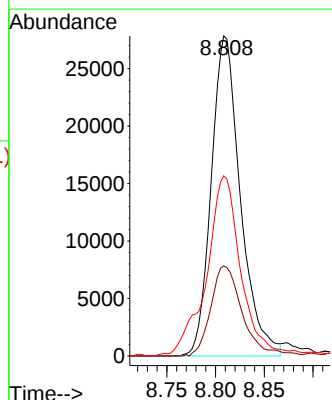
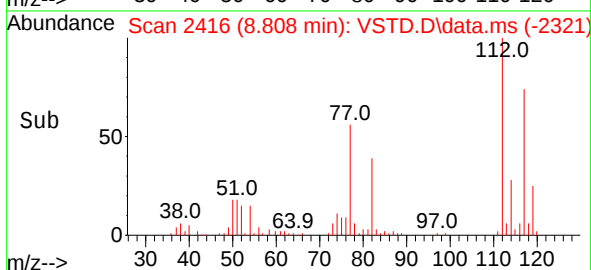
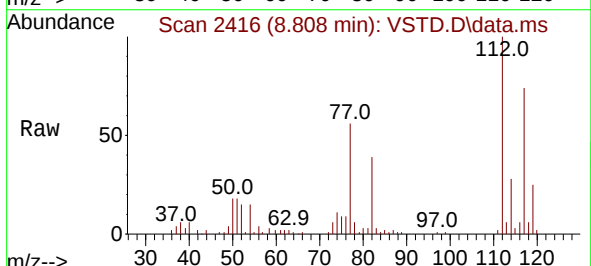


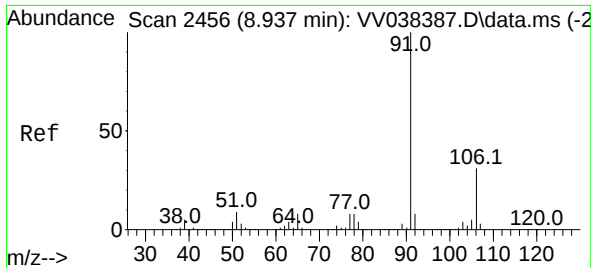
Tgt Ion:107 Resp: 21651
Ion Ratio Lower Upper
107 100
109 92.9 66.1 122.7
188 2.8 2.6 3.8



#51
Chlorobenzene
Concen: 5.182 ug/L
RT: 8.808 min Scan# 2416
Delta R.T. 0.006 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

Tgt Ion:112 Resp: 57956
Ion Ratio Lower Upper
112 100
114 28.1 21.9 40.7
77 56.3 45.4 68.0

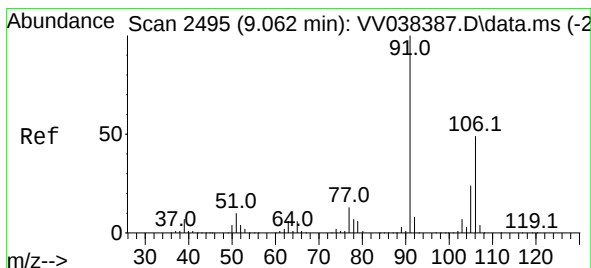
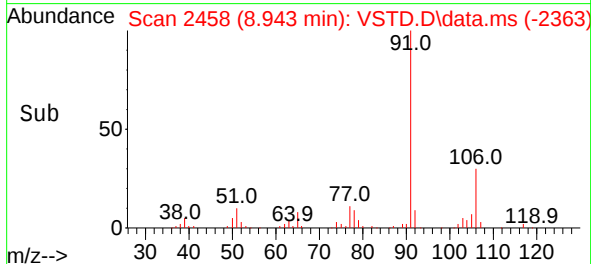
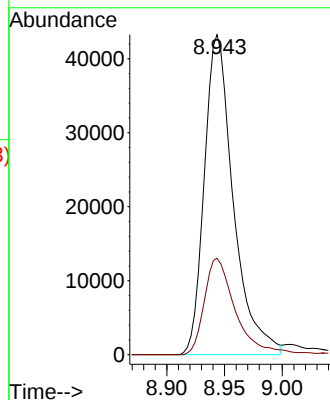
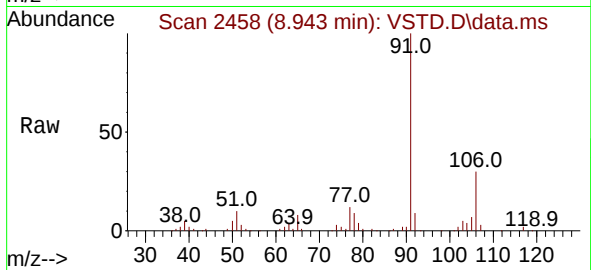




#52
Ethylbenzene
Concen: 4.326 ug/L
RT: 8.943 min Scan# 2456
Delta R.T. 0.006 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

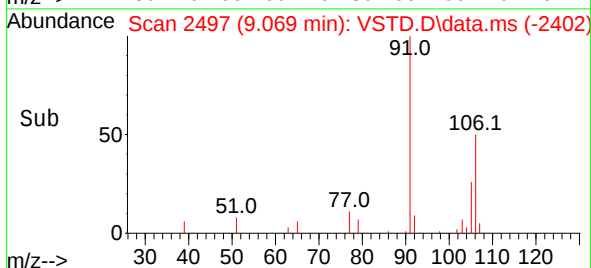
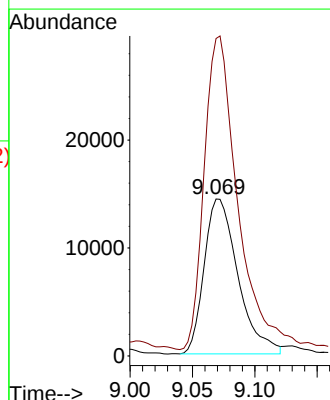
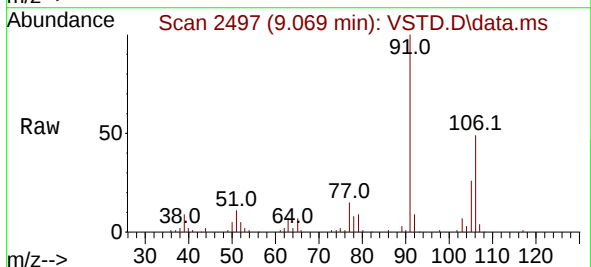
Instrument :
MSVOA_V
ClientSampleId :

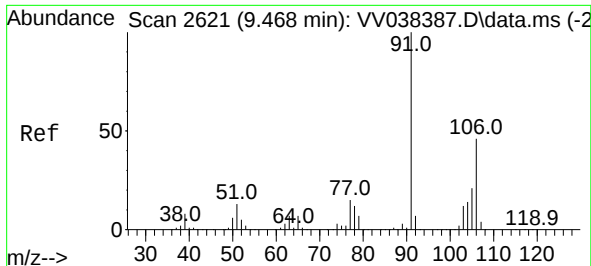
Tgt Ion: 91 Resp: 75531
Ion Ratio Lower Upper
91 100
106 30.2 21.6 40.0



#53
m,p-Xylene
Concen: 4.094 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.006 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

Tgt Ion: 106 Resp: 27094
Ion Ratio Lower Upper
106 100
91 202.1 142.6 264.8

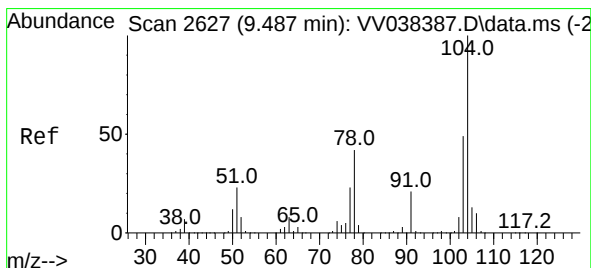
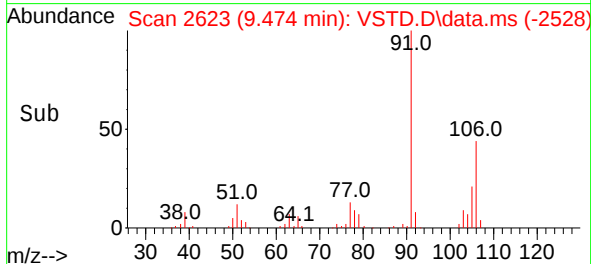
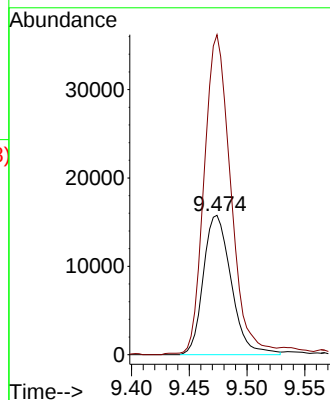
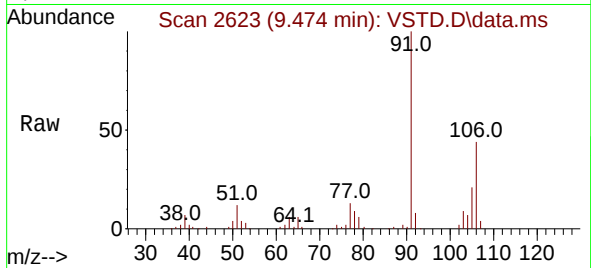




#54
o-Xylene
Concen: 4.161 ug/L
RT: 9.474 min Scan# 2621
Delta R.T. 0.006 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

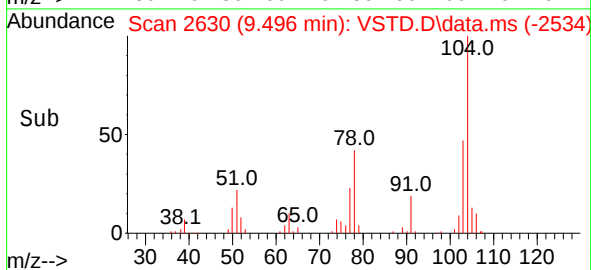
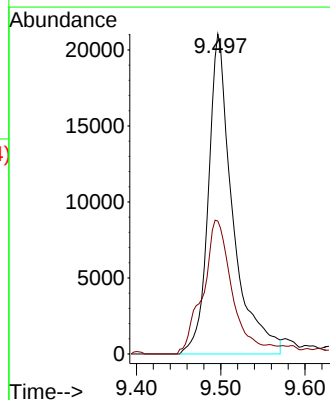
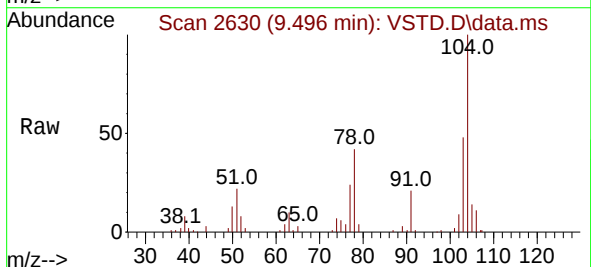
Instrument :
MSVOA_V
ClientSampleId :

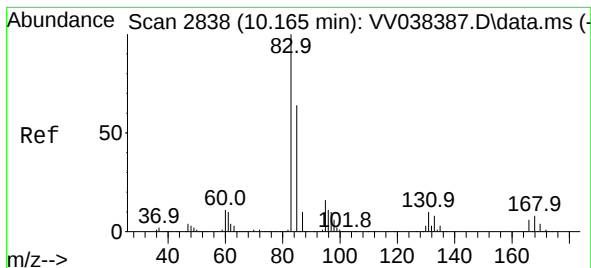
Tgt Ion:106 Resp: 26489
Ion Ratio Lower Upper
106 100
91 229.6 151.1 280.7



#55
Styrene
Concen: 3.778 ug/L
RT: 9.496 min Scan# 2630
Delta R.T. 0.010 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

Tgt Ion:104 Resp: 42230
Ion Ratio Lower Upper
104 100
78 41.6 29.7 55.1





#57

1,1,2,2-Tetrachloroethane

Concen: 5.122 ug/L

RT: 10.172 min Scan# 2838

Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Instrument :

MSVOA_V

ClientSampleId :

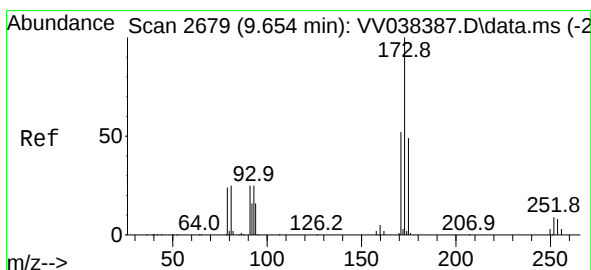
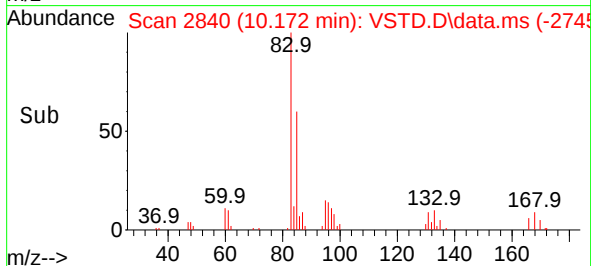
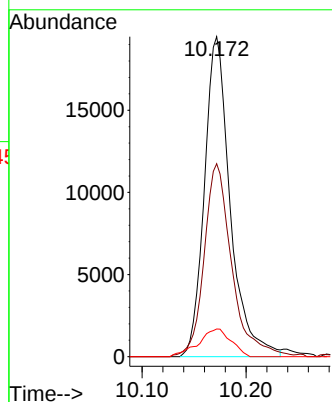
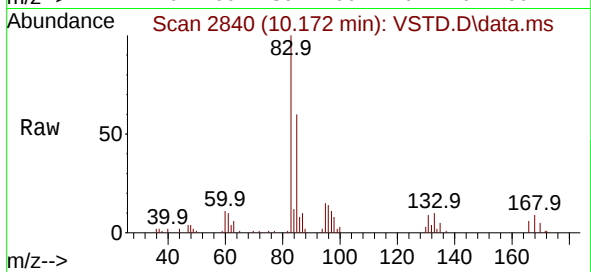
Tgt Ion: 83 Resp: 33635

Ion Ratio Lower Upper

83 100

85 60.3 44.7 82.9

131 8.6 8.0 12.0



#59

Bromoform

Concen: 4.816 ug/L

RT: 9.660 min Scan# 2681

Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

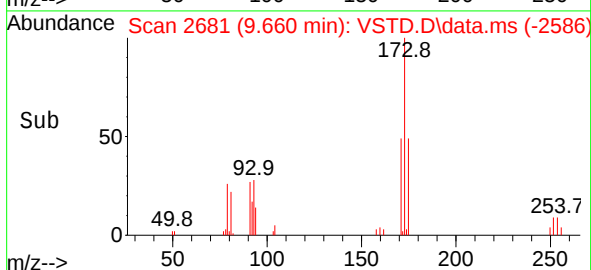
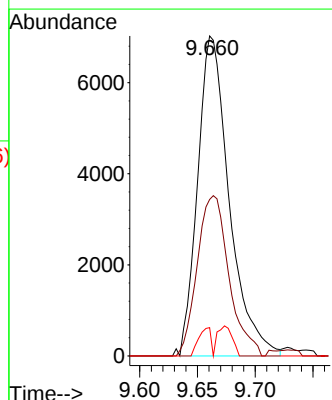
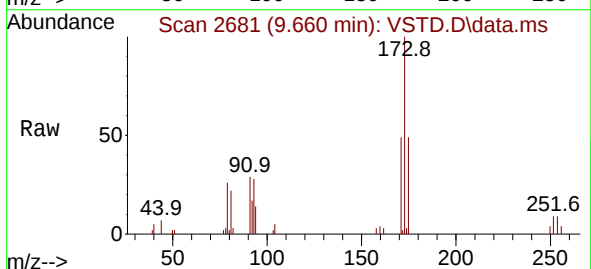
Tgt Ion: 173 Resp: 13352

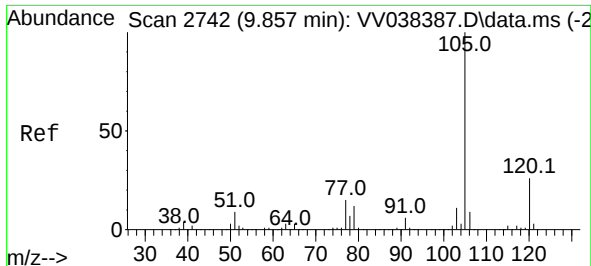
Ion Ratio Lower Upper

173 100

175 50.2 38.8 58.2

254 3.4 6.9 10.3#





#60

Isopropylbenzene

Concen: 4.513 ug/L

RT: 9.860 min Scan# 21

Delta R.T. 0.003 min

Lab File: VSTD.D

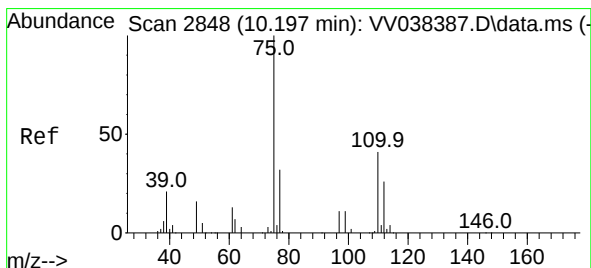
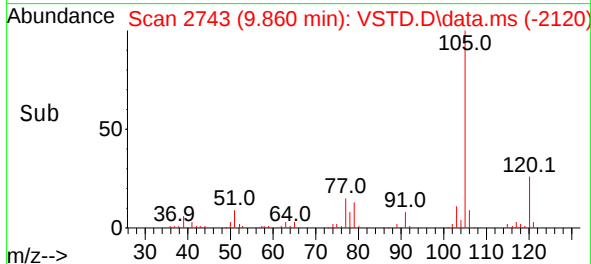
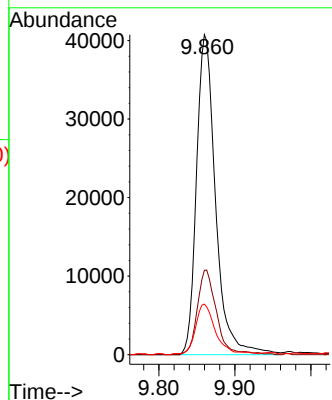
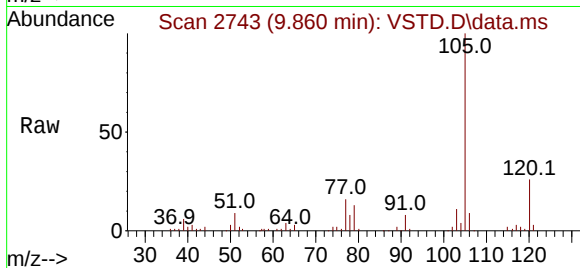
Acq: 02 Dec 2024 10:31

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	105	Resp:	71164
Ion	Ratio	Lower	Upper
105	100		
120	25.8	21.0	31.4
77	15.4	12.2	18.4



#61

1,2,3-Trichloropropane

Concen: 5.231 ug/L

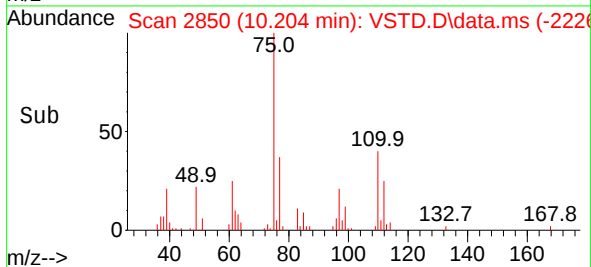
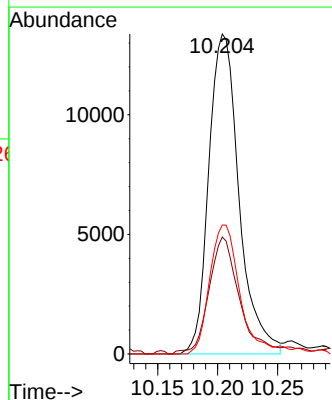
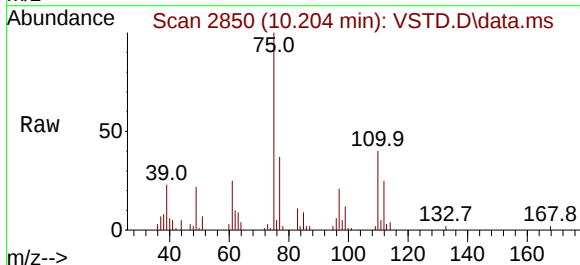
RT: 10.204 min Scan# 2850

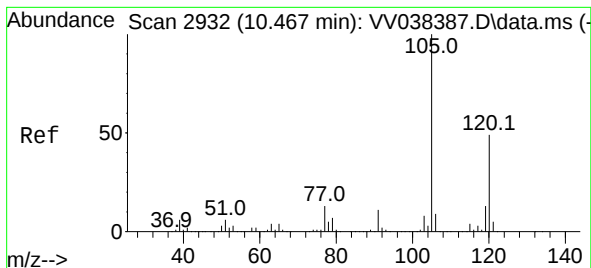
Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Tgt Ion:	75	Resp:	23484
Ion	Ratio	Lower	Upper
75	100		
77	36.7	25.8	38.6
110	39.3	32.2	48.4





#62

1,3,5-Trimethylbenzene

Concen: 4.341 ug/L

RT: 10.471 min Scan# 2932

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Instrument :

MSVOA_V

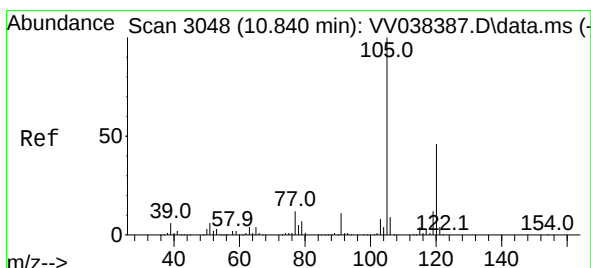
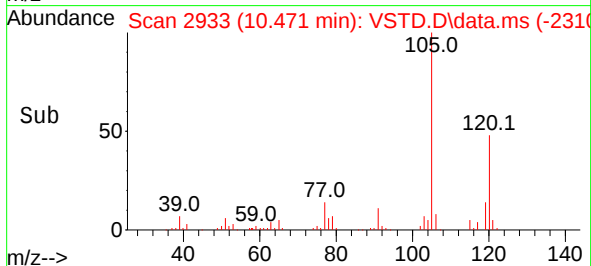
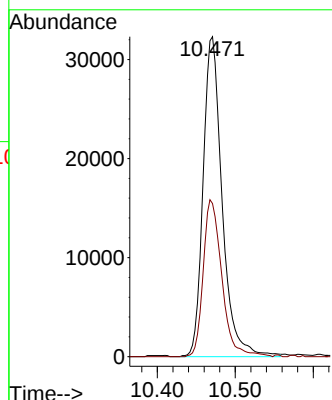
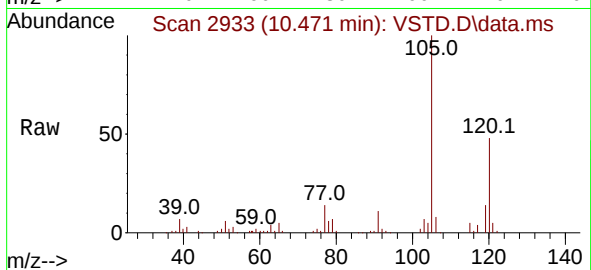
ClientSampleId :

Tgt Ion:105 Resp: 54931

Ion Ratio Lower Upper

105 100

120 47.2 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 4.009 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.006 min

Lab File: VSTD.D

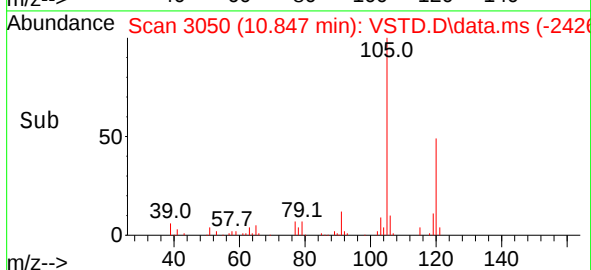
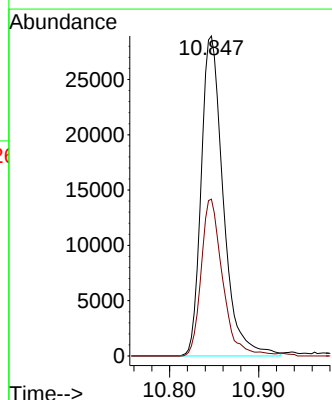
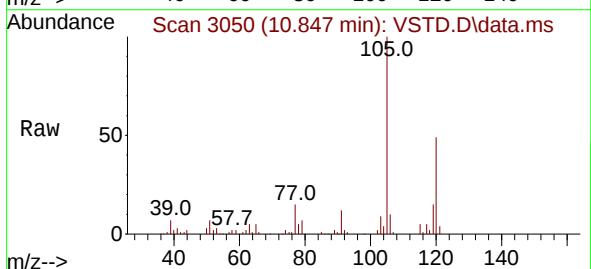
Acq: 02 Dec 2024 10:31

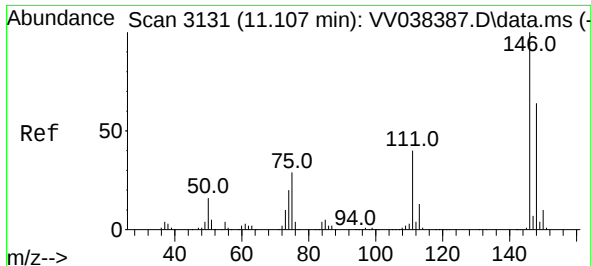
Tgt Ion:105 Resp: 49873

Ion Ratio Lower Upper

105 100

120 46.8 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 5.014 ug/L

RT: 11.114 min Scan# 31

Delta R.T. 0.006 min

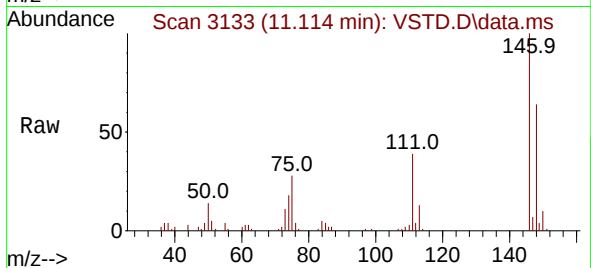
Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Instrument :

MSVOA_V

ClientSampleId :



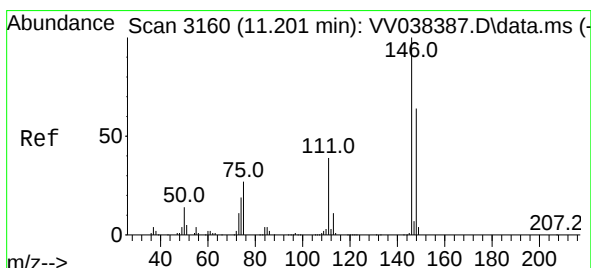
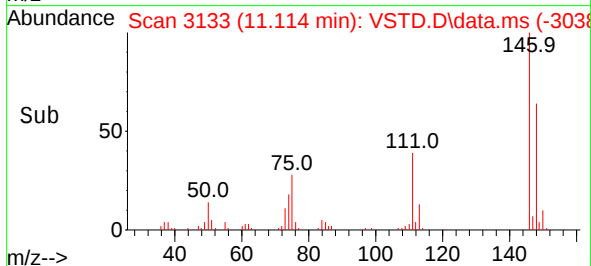
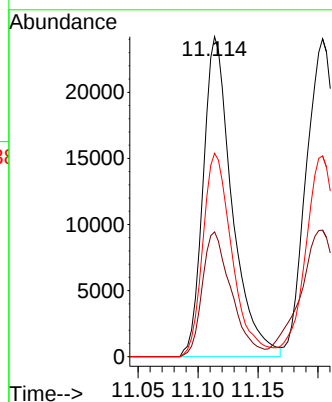
Tgt Ion:146 Resp: 40583

Ion Ratio Lower Upper

146 100

111 39.0 27.8 51.6

148 63.5 45.1 83.7



#65

1,4-Dichlorobenzene

Concen: 5.341 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

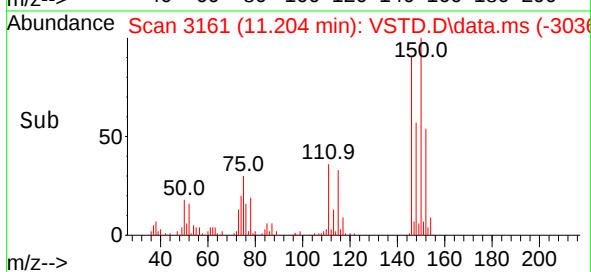
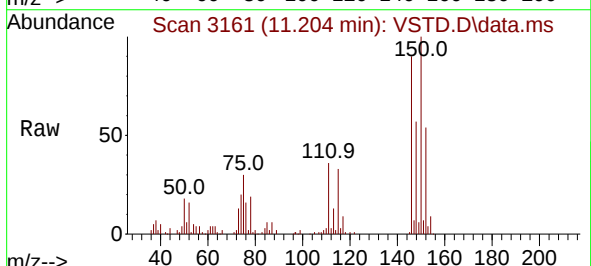
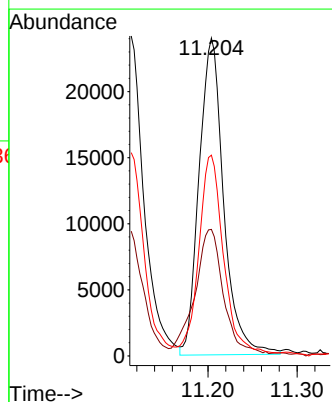
Tgt Ion:146 Resp: 45962

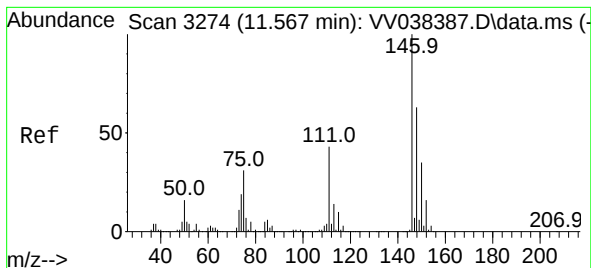
Ion Ratio Lower Upper

146 100

111 39.8 27.6 51.4

148 63.1 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 5.247 ug/L

RT: 11.574 min Scan# 31

Delta R.T. 0.006 min

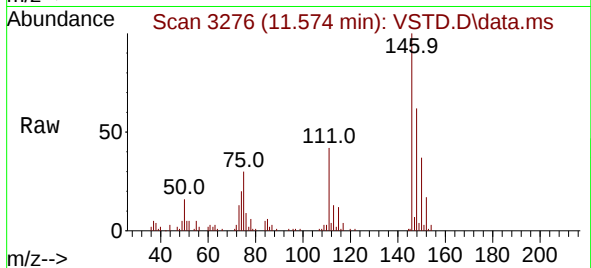
Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Instrument :

MSVOA_V

ClientSampleId :



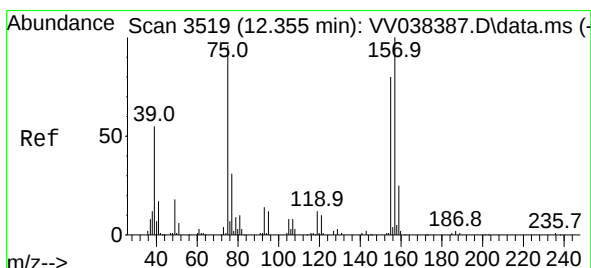
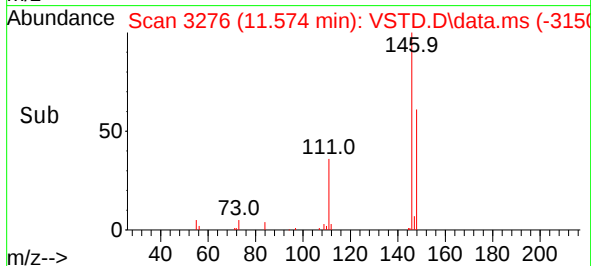
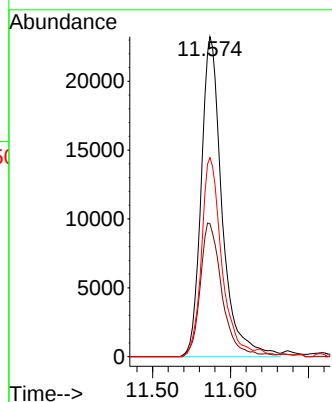
Tgt Ion:146 Resp: 43298

Ion Ratio Lower Upper

146 100

111 41.5 34.2 51.2

148 62.2 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.898 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

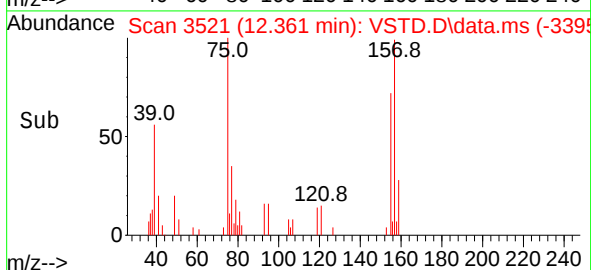
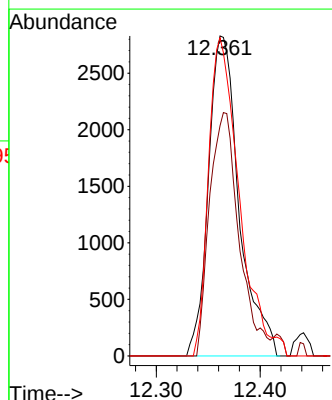
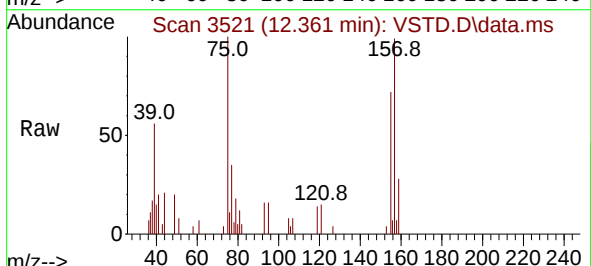
Tgt Ion: 75 Resp: 5796

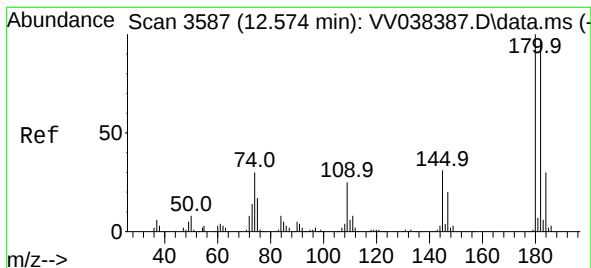
Ion Ratio Lower Upper

75 100

155 72.0 66.8 100.2

157 99.4 83.4 125.2





#69

1,3,5-Trichlorobenzene

Concen: 4.893 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.003 min

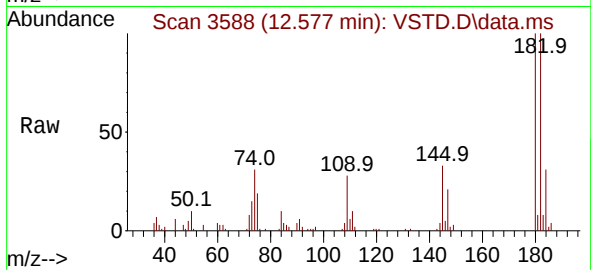
Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 27015

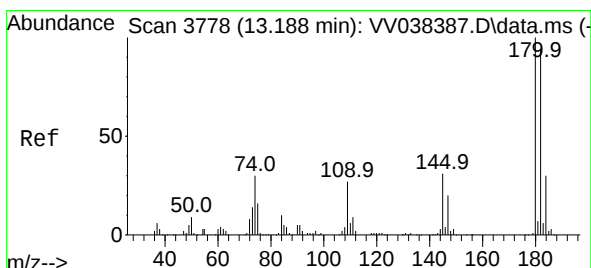
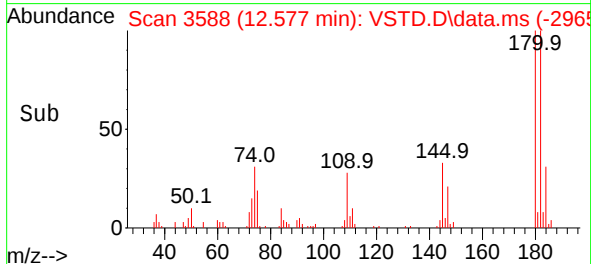
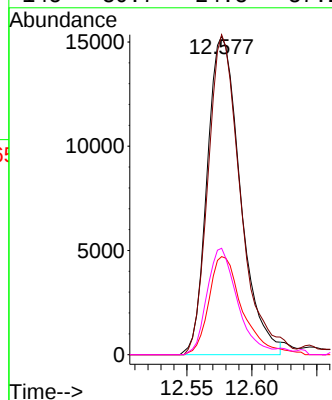
Ion Ratio Lower Upper

180 100

182 98.7 76.2 114.4

184 31.4 23.8 35.6

145 30.7 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 4.484 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.006 min

Lab File: VSTD.D

Acq: 02 Dec 2024 10:31

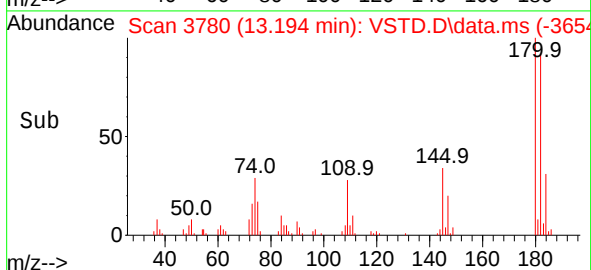
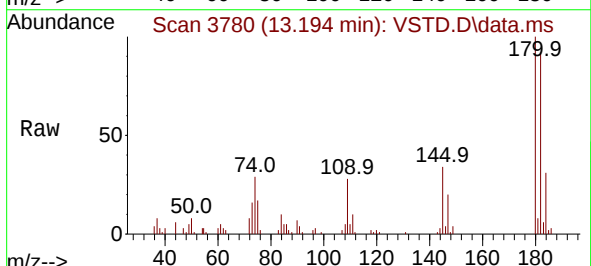
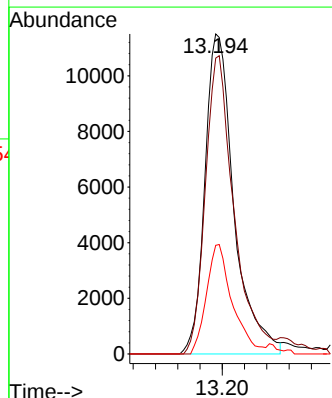
Tgt Ion:180 Resp: 20857

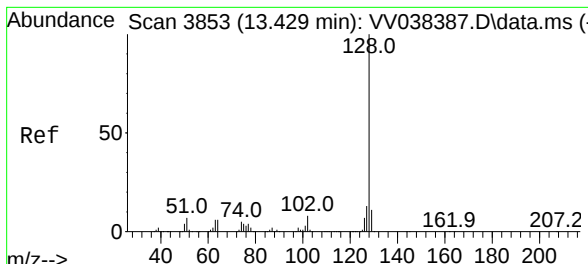
Ion Ratio Lower Upper

180 100

182 92.1 76.2 114.2

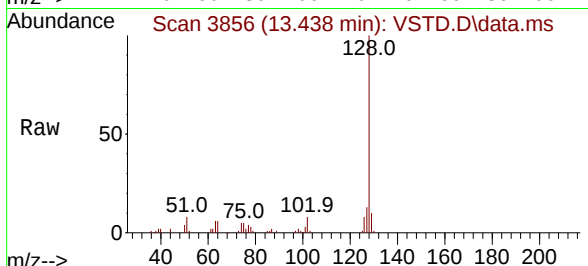
145 30.6 24.7 37.1



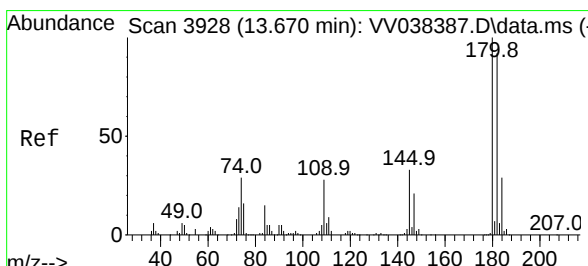
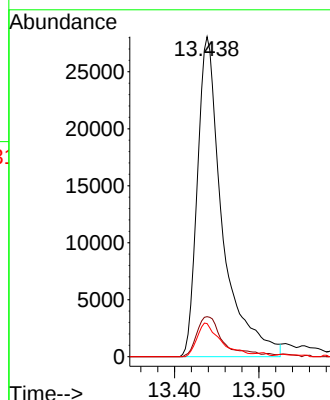
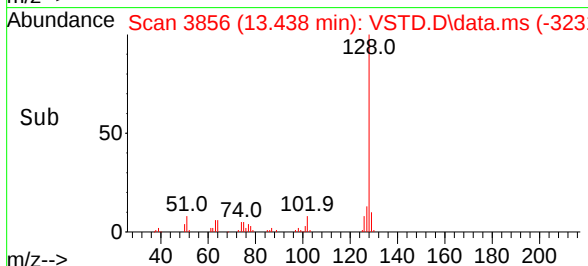


#71
Naphthalene
Concen: 4.715 ug/L
RT: 13.438 min Scan# 3856
Delta R.T. 0.010 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 57990
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.1 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 4.727 ug/L
RT: 13.676 min Scan# 3930
Delta R.T. 0.006 min
Lab File: VSTD.D
Acq: 02 Dec 2024 10:31

Tgt Ion:180 Resp: 21569
Ion Ratio Lower Upper
180 100
182 92.5 75.8 113.6
145 33.3 27.1 40.7

