

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021723\
 Data File : VW030064.D
 Acq On : 17 Feb 2023 13:26
 Operator : SY/MD
 Sample : VSTD10011
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100211

Quant Time: Feb 20 00:31:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 20 00:27:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	455485	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	439421	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	280059	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	305842	94.443	ug/L	0.00
7) Chloroethane-d5	1.532	69	242984	98.059	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	63	620420	100.148	ug/L	0.00
21) 2-Butanone-d5	3.793	46	392885	196.815	ug/L	0.00
24) Chloroform-d	4.259	84	583715	96.973	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	339043	95.290	ug/L	0.00
32) Benzene-d6	4.970	84	1127870	96.643	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	354542	95.539	ug/L	0.00
41) Toluene-d8	7.252	98	1067355	96.909	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	187009	101.404	ug/L	0.00
47) 2-Hexanone-d5	8.031	63	347226	200.705	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.162	84	553508	99.437	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.571	152	481100	96.455	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	480477	99.657	ug/L	100
3) Chloromethane	1.217	50	574070	92.794	ug/L	99
5) Vinyl chloride	1.285	62	421987	97.950	ug/L	100
6) Bromomethane	1.487	94	73626	94.017	ug/L	96
8) Chloroethane	1.548	64	244216	97.155	ug/L	98
9) Trichlorofluoromethane	1.716	101	567136	99.308	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	361809	103.514	ug/L	98
12) 1,1-Dichloroethene	2.073	96	326377	103.801	ug/L	90
13) Acetone	2.121	43	320293	206.491	ug/L	100
14) Carbon disulfide	2.246	76	951805	102.370	ug/L	99
15) Methyl Acetate	2.378	43	316505	98.132	ug/L	99
16) Methylene chloride	2.452	84	334811	97.264	ug/L	100
17) trans-1,2-Dichloroethene	2.700	96	322015	100.185	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	1049656	102.619	ug/L	100
19) 1,1-Dichloroethane	3.121	63	587030	99.091	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	364203	102.460	ug/L	99
22) 2-Butanone	3.873	43	444597	209.754	ug/L	97
23) Bromochloromethane	4.156	128	191192	100.883	ug/L	97
25) Chloroform	4.285	83	608030	100.676	ug/L	100
27) 1,2-Dichloroethane	5.050	62	450827	99.947	ug/L	99
29) Cyclohexane	4.593	56	526636	102.851	ug/L	99
30) 1,1,1-Trichloroethane	4.523	97	548622	100.505	ug/L	99
31) Carbon tetrachloride	4.745	117	487667	101.765	ug/L	99
33) Benzene	5.018	78	1292182	99.671	ug/L	100
34) Trichloroethene	5.841	95	356292	100.972	ug/L	97
35) Methylcyclohexane	6.060	83	593430	105.941	ug/L	98
37) 1,2-Dichloropropane	6.101	63	344015	100.758	ug/L	100
38) Bromodichloromethane	6.439	83	461321	100.596	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	601320	104.771	ug/L	99
40) 4-Methyl-2-pentanone	7.166	43	855845	201.631	ug/L	98
42) Toluene	7.323	91	1424550	100.416	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	552466	105.842	ug/L	100

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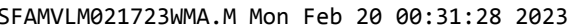
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100211

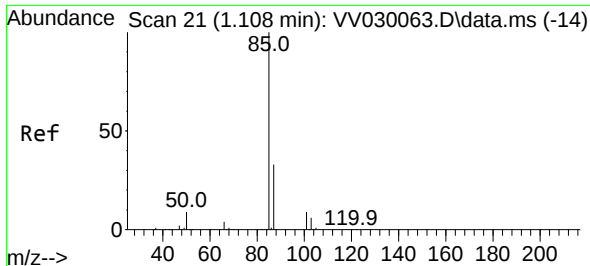
Quant Time: Feb 20 00:31:20 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.777	97	351783	99.273	ug/L	98
46) Tetrachloroethene	7.915	164	303522	102.318	ug/L	99
48) 2-Hexanone	8.082	43	653306	202.814	ug/L	99
49) Dibromochloromethane	8.185	129	377837	102.798	ug/L	99
50) 1,2-Dibromoethane	8.291	107	389573	100.210	ug/L	99
51) Chlorobenzene	8.822	112	950271	100.511	ug/L	100
52) Ethylbenzene	8.953	91	1615022	102.818	ug/L	100
53) m,p-Xylene	9.082	106	626044	104.319	ug/L	98
54) o-Xylene	9.487	106	604994	104.607	ug/L	98
55) Styrene	9.503	104	1047347	106.007	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.188	83	597295	103.111	ug/L	100
59) Bromoform	9.674	173	285746	103.031	ug/L	99
60) Isopropylbenzene	9.876	105	1674131	100.524	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	454521	98.091	ug/L	100
62) 1,3,5-Trimethylbenzene	10.487	105	1457623	105.676	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	1437446	106.031	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	854214	101.780	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	863252	100.523	ug/L	100
67) 1,2-Dichlorobenzene	11.590	146	838836	100.385	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	139005	102.824	ug/L	99
69) 1,3,5-Trichlorobenzene	12.593	180	694883	103.754	ug/L	100
70) 1,2,4-trichlorobenzene	13.210	180	660390	104.908	ug/L	100
71) Naphthalene	13.448	128	1944158	106.476	ug/L	100
72) 1,2,3-Trichlorobenzene	13.693	180	640700	103.708	ug/L	99

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

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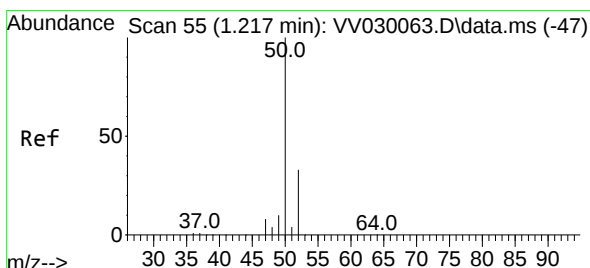
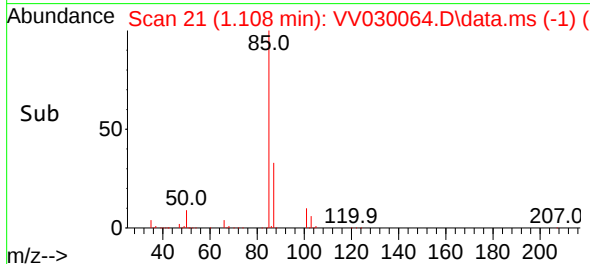
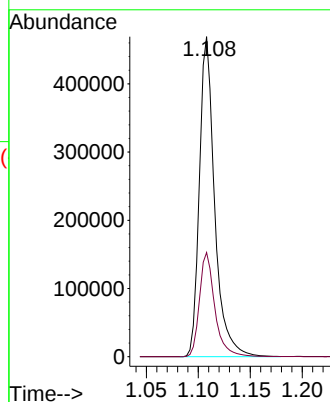
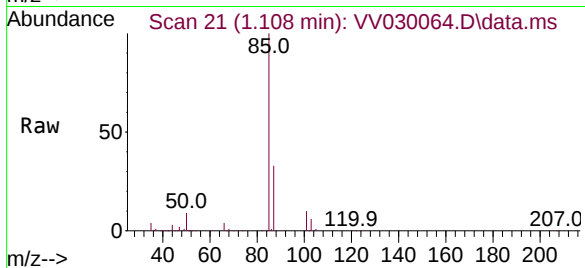




#2
 Dichlorodifluoromethane
 Concen: 99.657 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030064.D
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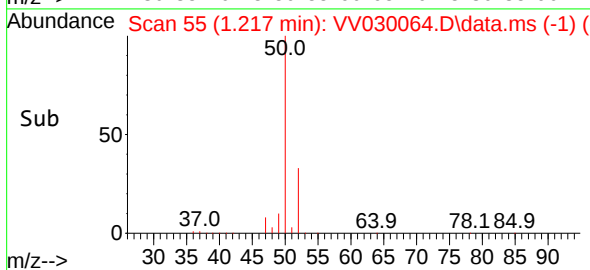
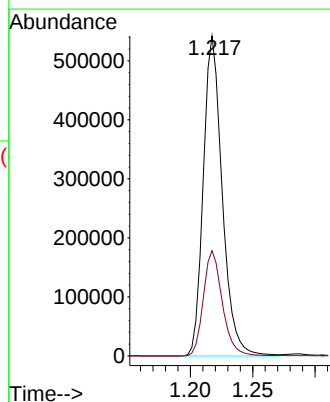
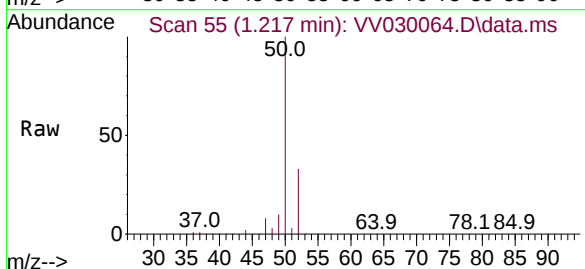
Instrument :
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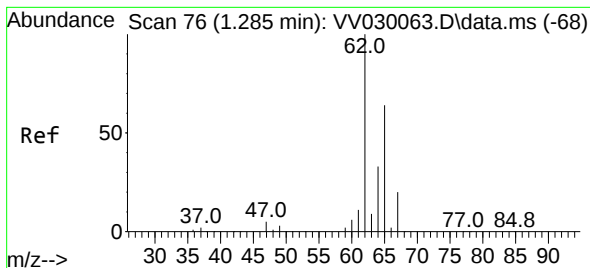
Tgt Ion: 85 Resp: 480477
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.0 39.0



#3
 Chloromethane
 Concen: 92.794 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030064.D
 Acq: 17 Feb 2023 13:26

Tgt Ion: 50 Resp: 574070
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.4 43.4





#5

Vinyl chloride

Concen: 97.950 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

Instrument :

MSVOA_V

ClientSampleId :

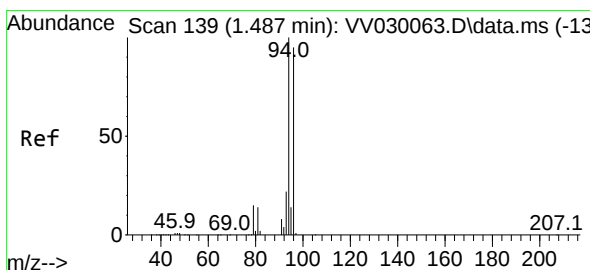
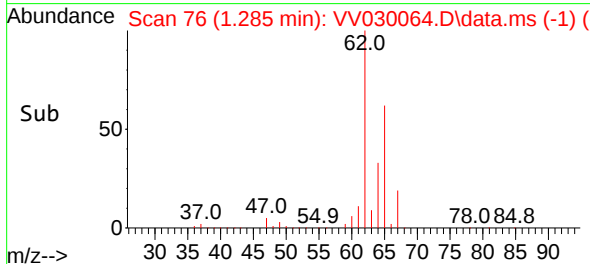
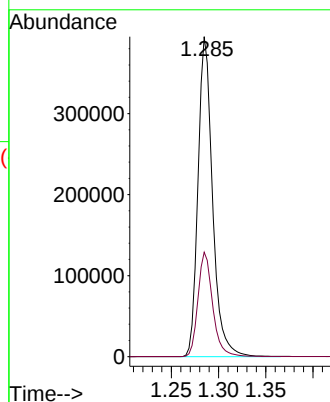
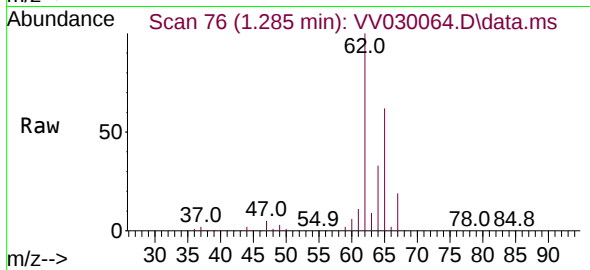
VSTD100211

Tgt Ion: 62 Resp: 421987

Ion Ratio Lower Upper

62 100

64 32.6 22.9 42.5



#6

Bromomethane

Concen: 94.017 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV030064.D

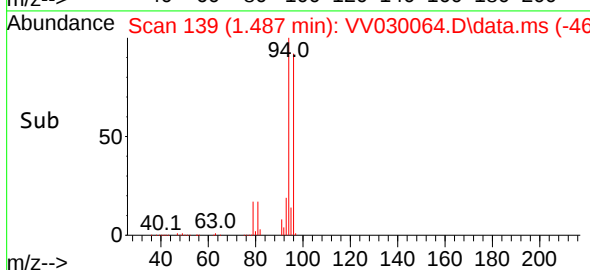
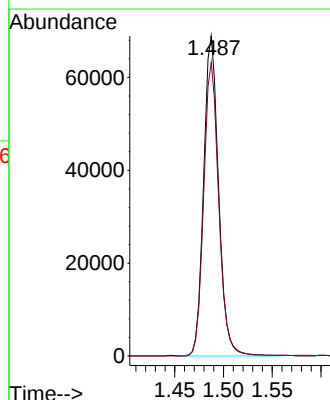
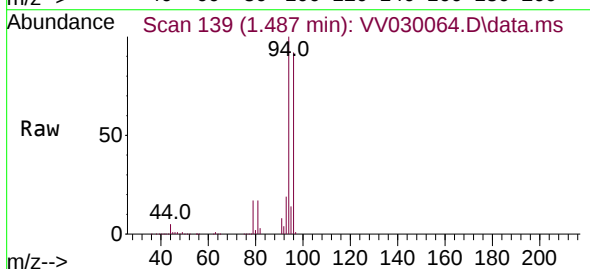
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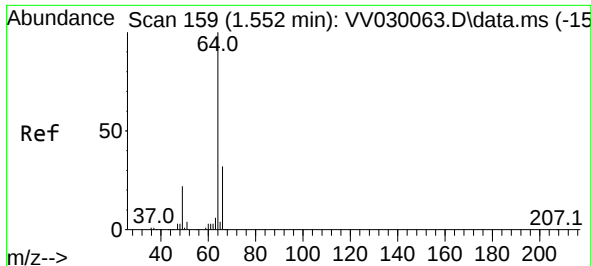
Tgt Ion: 94 Resp: 73626

Ion Ratio Lower Upper

94 100

96 91.7 66.7 123.9

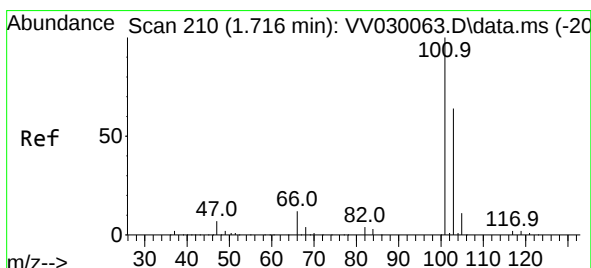
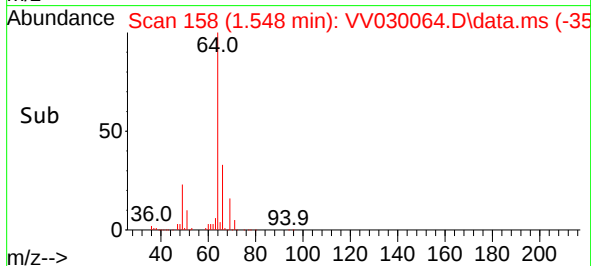
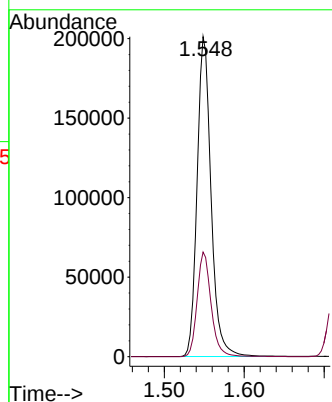
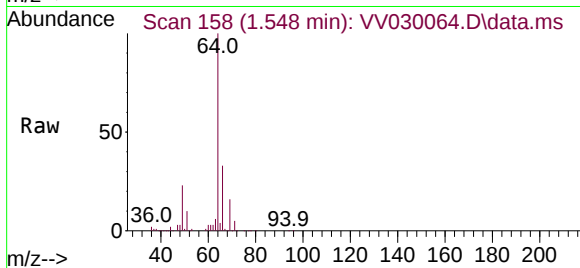




#8
Chloroethane
Concen: 97.155 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

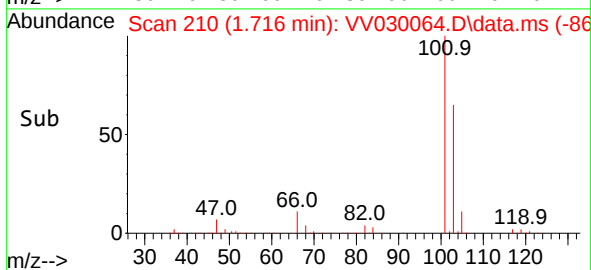
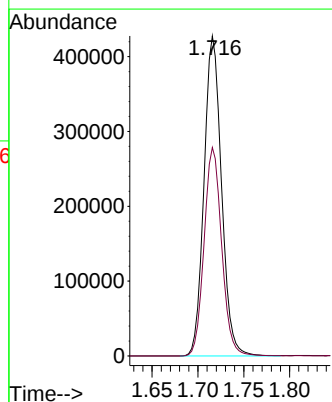
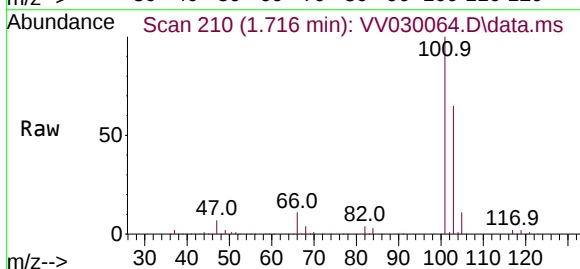
Instrument :
MSVOA_V
ClientSampleId :
VSTD100211

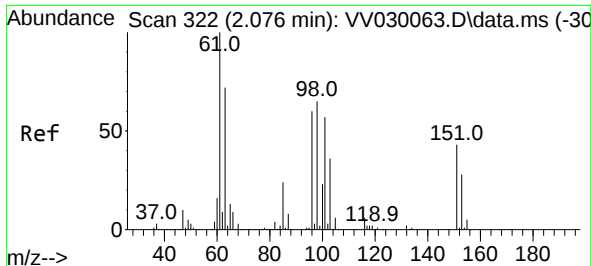
Tgt Ion: 64 Resp: 244216
Ion Ratio Lower Upper
64 100
66 32.7 22.3 41.3



#9
Trichlorofluoromethane
Concen: 99.308 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

Tgt Ion:101 Resp: 567136
Ion Ratio Lower Upper
101 100
103 65.5 52.6 78.8

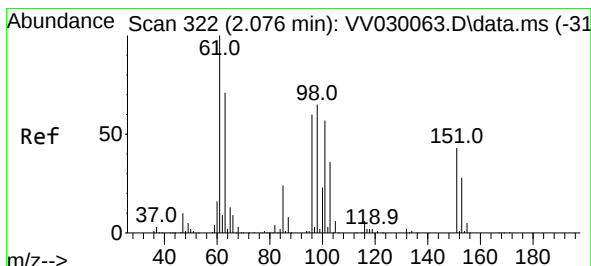
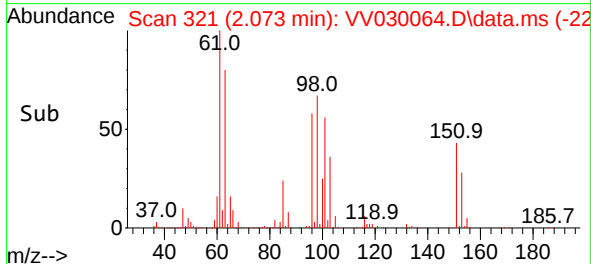
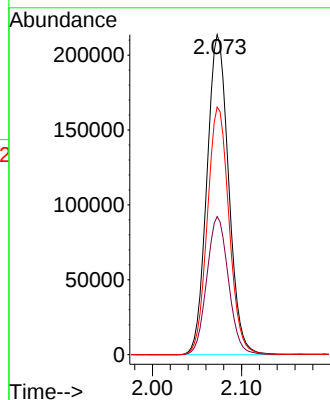
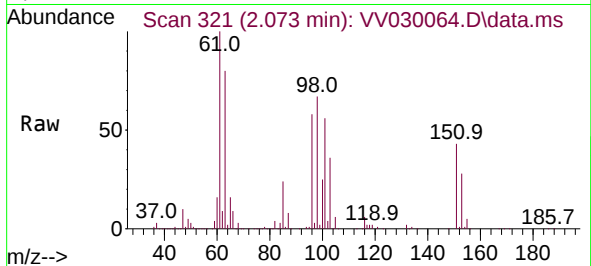




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 103.514 ug/L
RT: 2.073 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

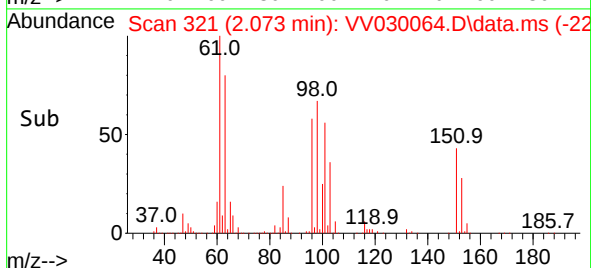
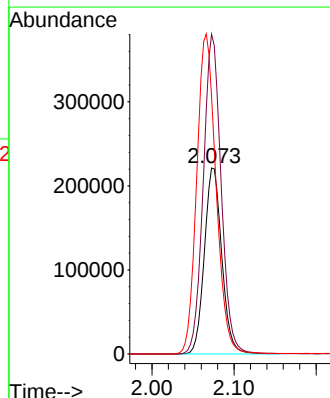
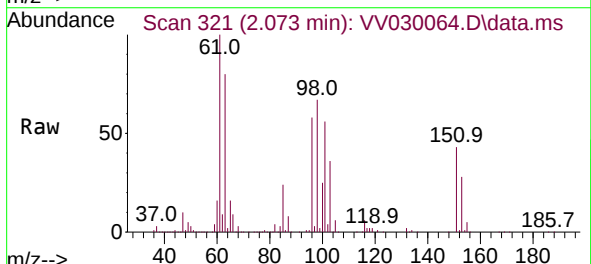
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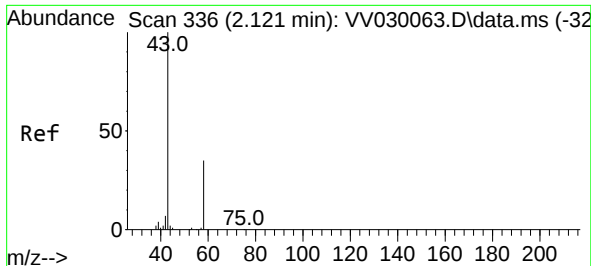
Tgt Ion:101 Resp: 361809
Ion Ratio Lower Upper
101 100
85 43.1 33.4 50.2
151 77.4 60.8 91.2



#12
1,1-Dichloroethene
Concen: 103.801 ug/L
RT: 2.073 min Scan# 321
Delta R.T. -0.003 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

Tgt Ion: 96 Resp: 326377
Ion Ratio Lower Upper
96 100
61 172.1 115.8 215.2
63 138.5 83.4 154.8





#13

Acetone

Concen: 206.491 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

Instrument :

MSVOA_V

ClientSampleId :

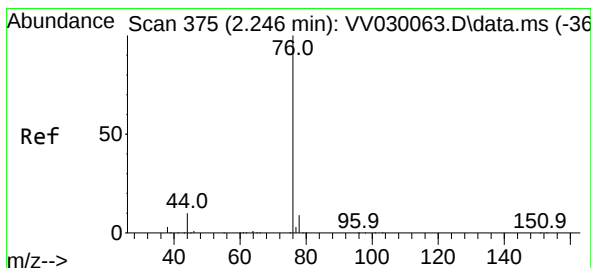
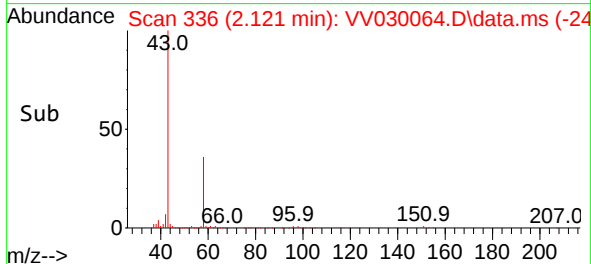
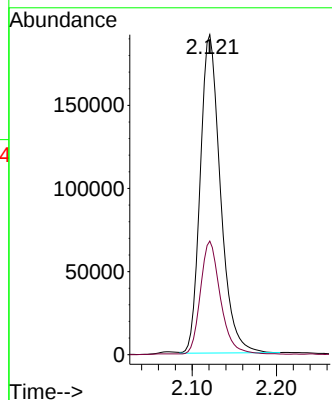
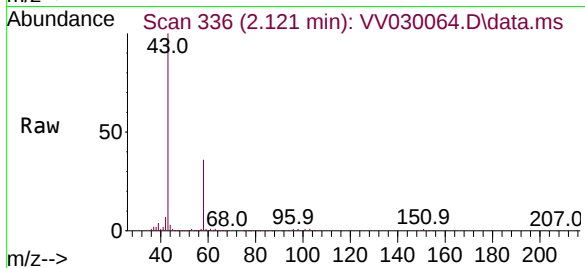
VSTD100211

Tgt Ion: 43 Resp: 320293

Ion Ratio Lower Upper

43 100

58 35.6 0.0 70.6



#14

Carbon disulfide

Concen: 102.370 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030064.D

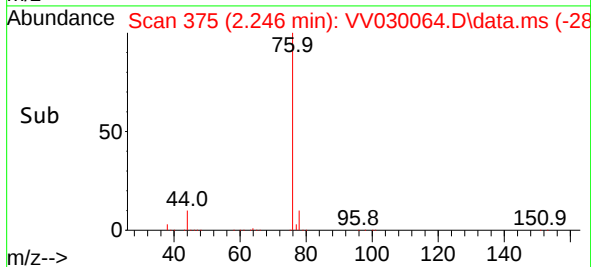
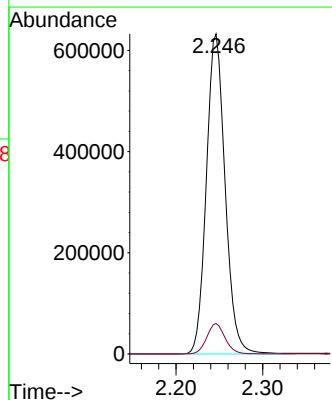
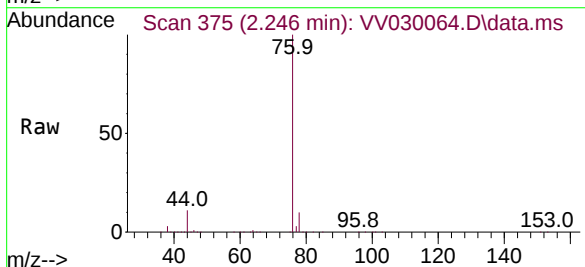
Acq: 17 Feb 2023 13:26

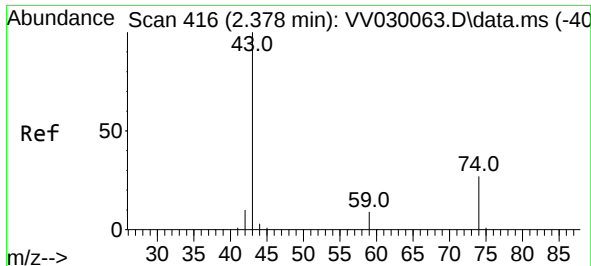
Tgt Ion: 76 Resp: 951805

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2

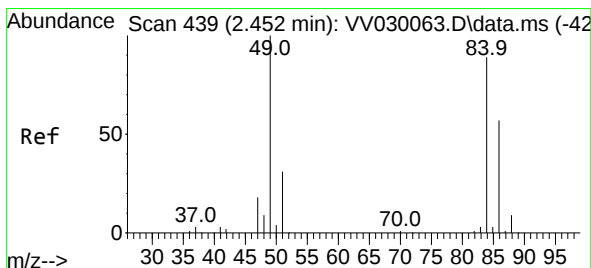
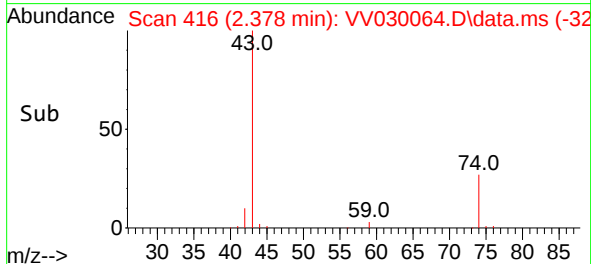
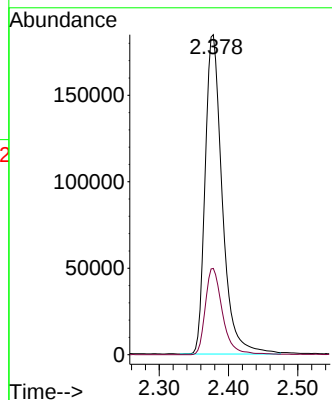
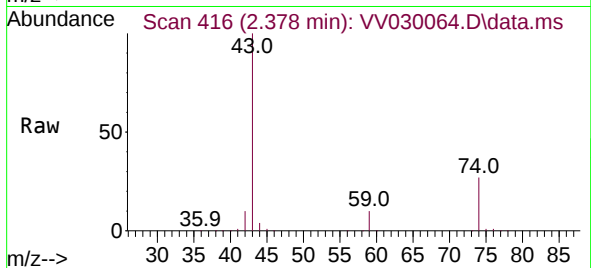




#15
Methyl Acetate
Concen: 98.132 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

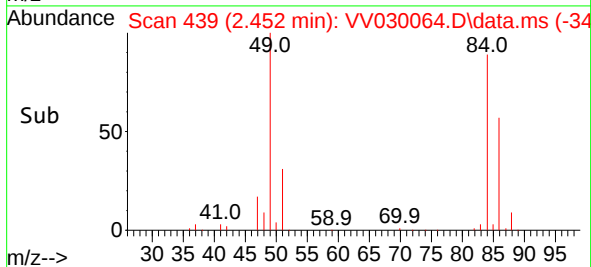
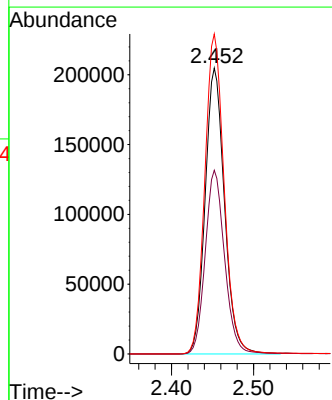
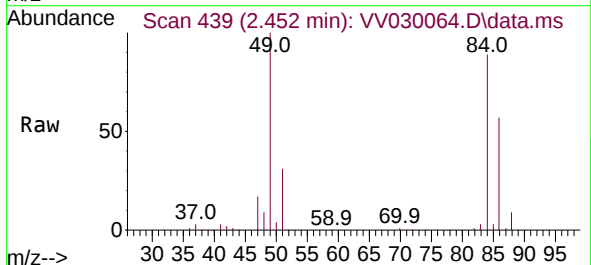
Instrument :
MSVOA_V
ClientSampleId :
VSTD100211

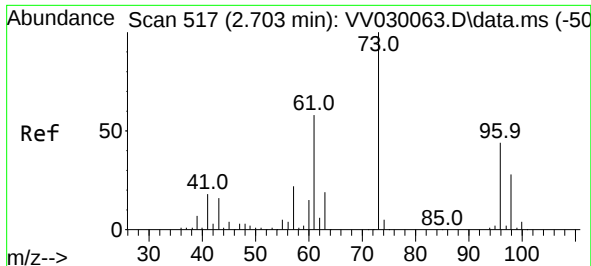
Tgt Ion: 43 Resp: 316505
Ion Ratio Lower Upper
43 100
74 26.8 21.9 32.9



#16
Methylene chloride
Concen: 97.264 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

Tgt Ion: 84 Resp: 334811
Ion Ratio Lower Upper
84 100
86 64.3 45.1 83.7
49 111.9 78.7 146.1





#17

trans-1,2-Dichloroethene

Concen: 100.185 ug/L

RT: 2.700 min Scan# 517

Delta R.T. -0.003 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD100211

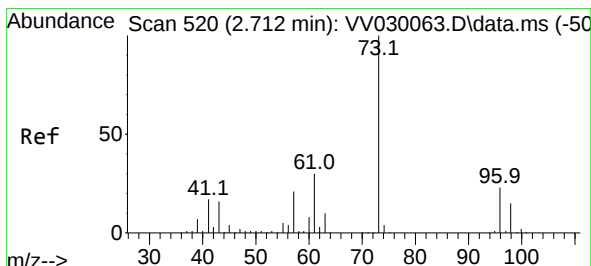
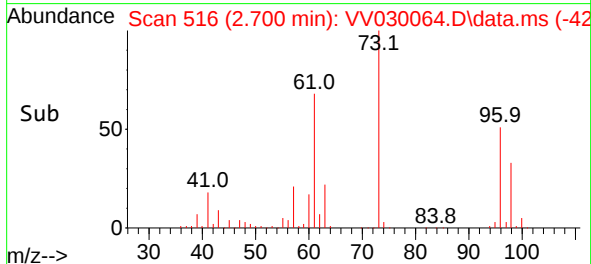
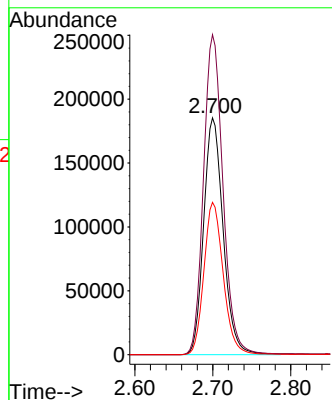
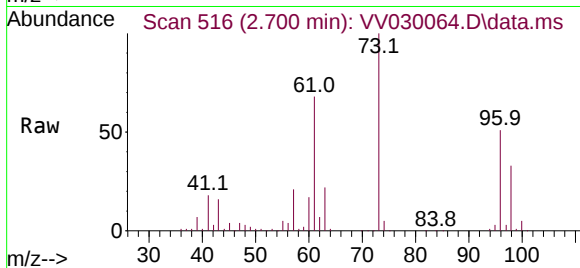
Tgt Ion: 96 Resp: 322015

Ion Ratio Lower Upper

96 100

61 135.1 93.3 173.3

98 64.3 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 102.619 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.003 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

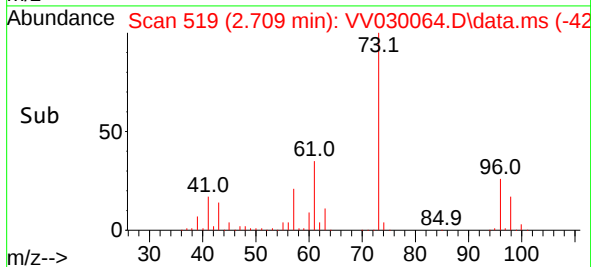
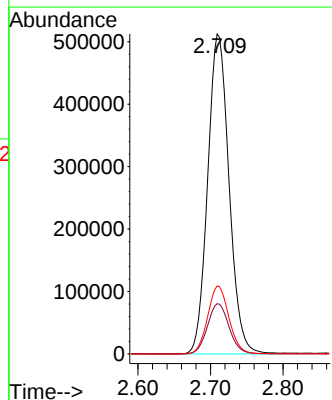
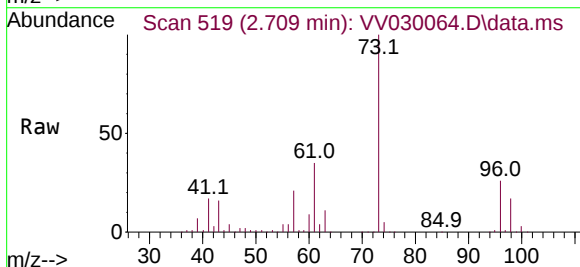
Tgt Ion: 73 Resp: 1049656

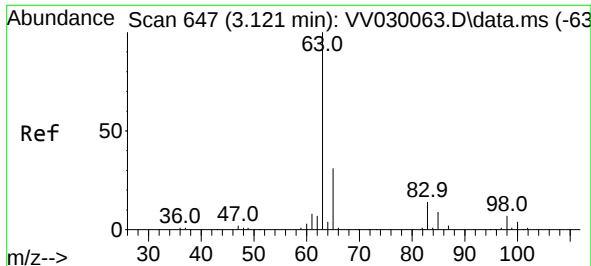
Ion Ratio Lower Upper

73 100

43 15.8 12.7 19.1

57 21.2 17.0 25.4





#19

1,1-Dichloroethane

Concen: 99.091 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.000 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD100211

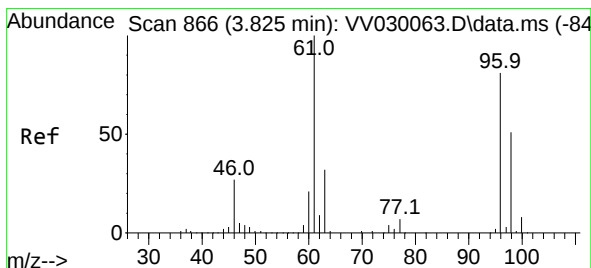
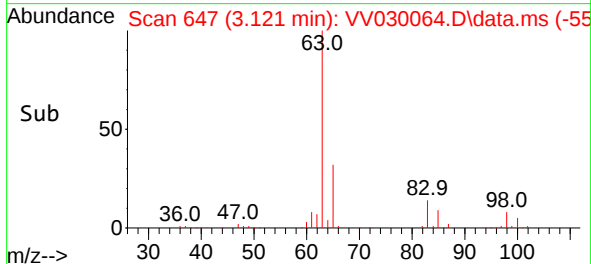
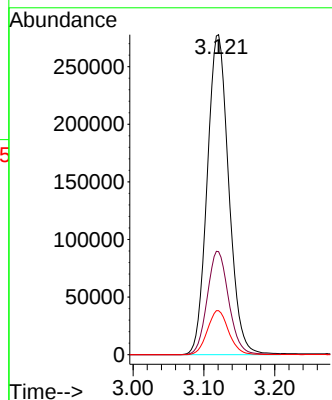
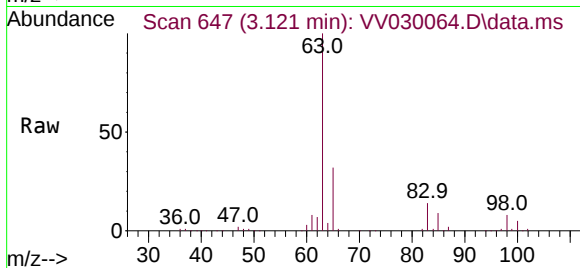
Tgt Ion: 63 Resp: 587030

Ion Ratio Lower Upper

63 100

65 32.2 22.0 41.0

83 13.8 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 102.460 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.000 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

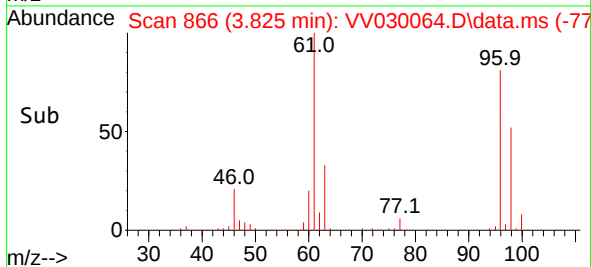
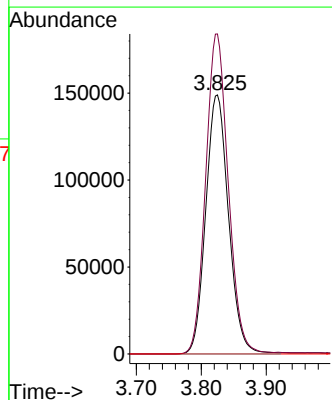
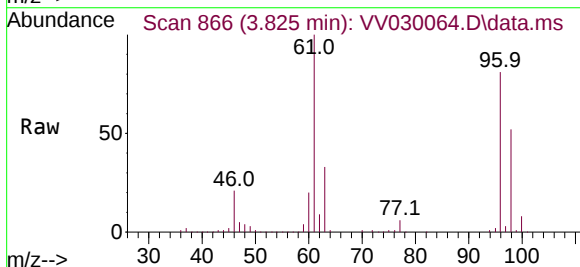
Tgt Ion: 96 Resp: 364203

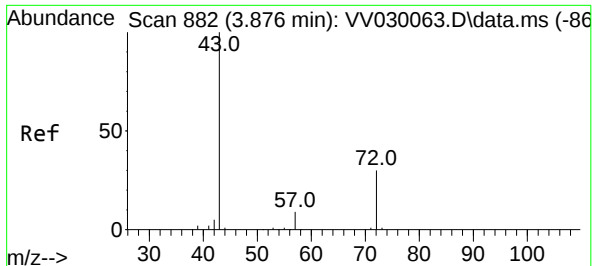
Ion Ratio Lower Upper

96 100

61 123.5 86.0 159.6

68 0.0 0.0 0.0

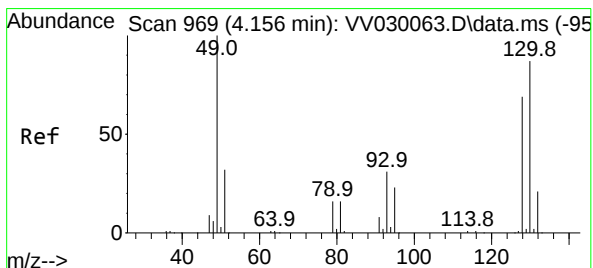
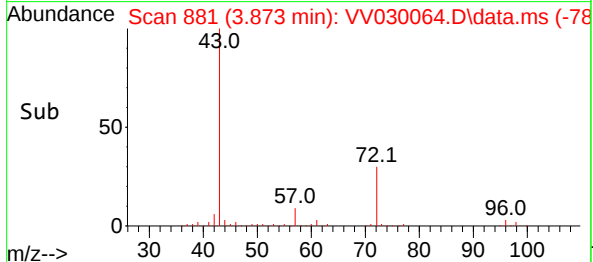
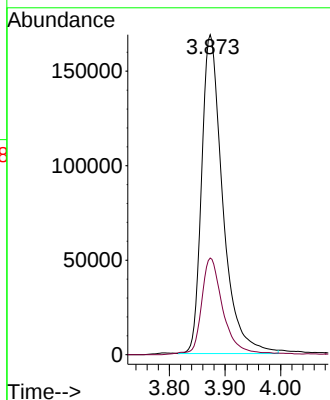
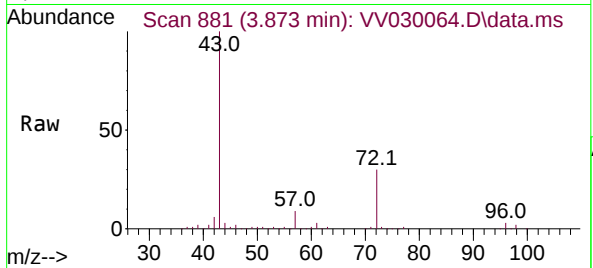




#22
2-Butanone
Concen: 209.754 ug/L
RT: 3.873 min Scan# 881
Delta R.T. -0.003 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

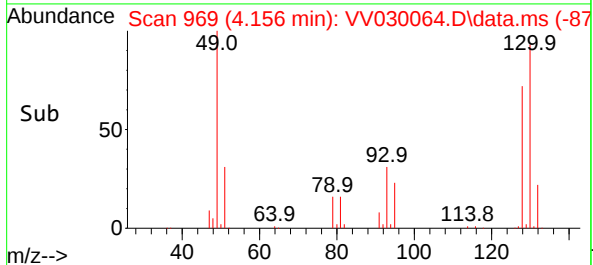
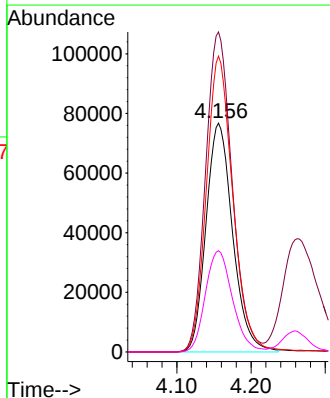
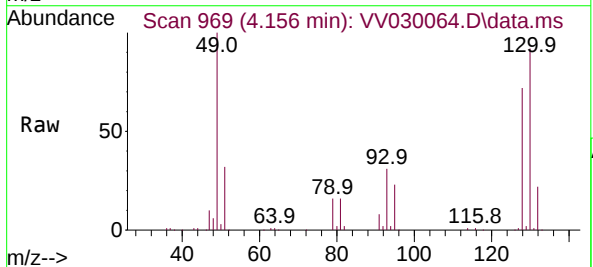
Instrument :
MSVOA_V
ClientSampleId :
VSTD100211

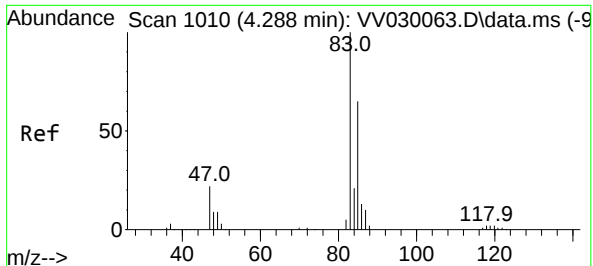
Tgt Ion: 43 Resp: 444597
Ion Ratio Lower Upper
43 100
72 30.8 14.7 44.1



#23
Bromochloromethane
Concen: 100.883 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

Tgt Ion:128 Resp: 191192
Ion Ratio Lower Upper
128 100
49 139.8 101.0 187.6
130 129.3 88.2 163.8
51 44.3 37.4 56.0





#25

Chloroform

Concen: 100.676 ug/L

RT: 4.285 min Scan# 1010

Delta R.T. -0.003 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

Instrument :

MSVOA_V

ClientSampleId :

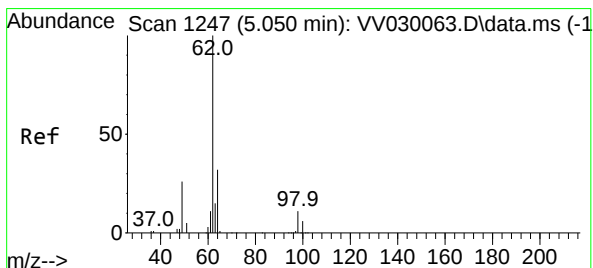
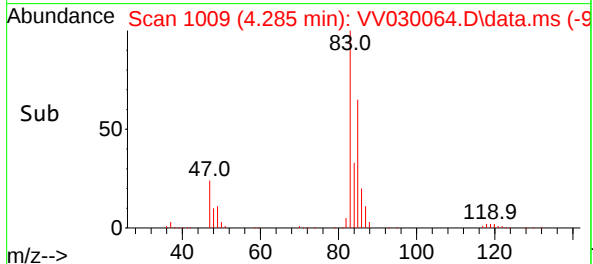
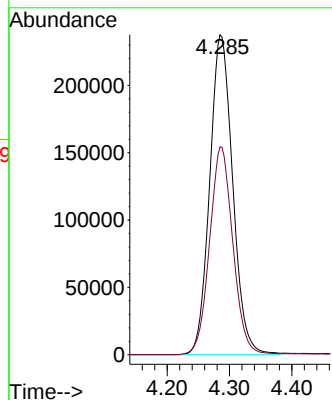
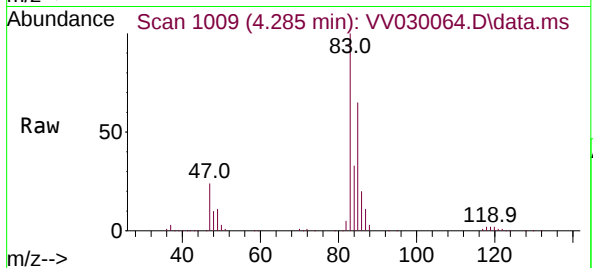
VSTD100211

Tgt Ion: 83 Resp: 608030

Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.4



#27

1,2-Dichloroethane

Concen: 99.947 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VV030064.D

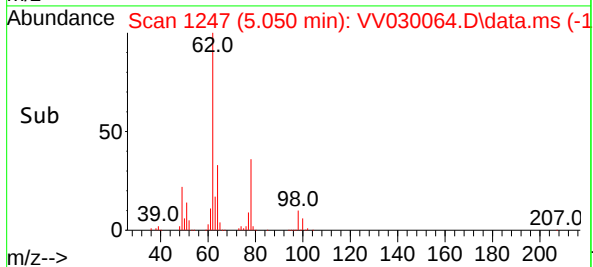
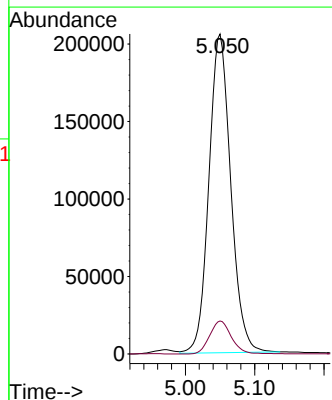
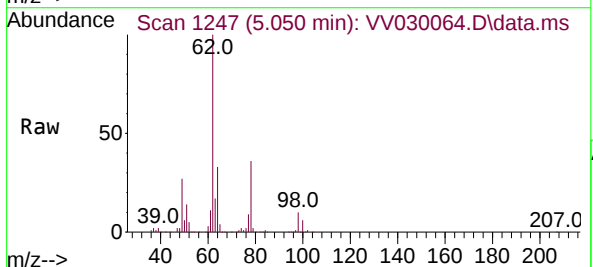
Acq: 17 Feb 2023 13:26

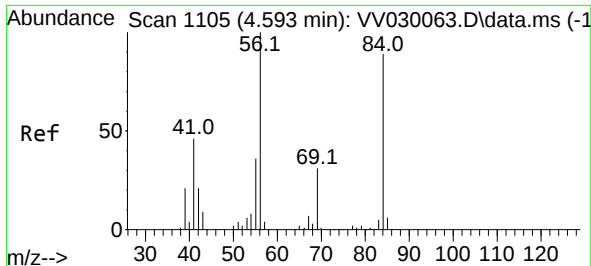
Tgt Ion: 62 Resp: 450827

Ion Ratio Lower Upper

62 100

98 10.3 8.5 12.7





#29

Cyclohexane

Concen: 102.851 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD100211

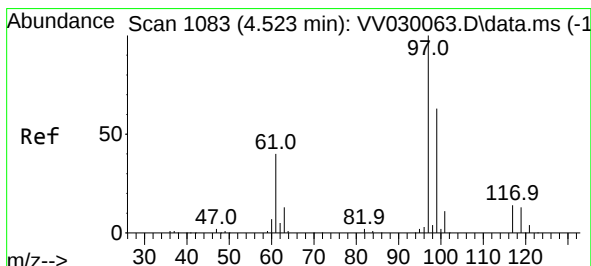
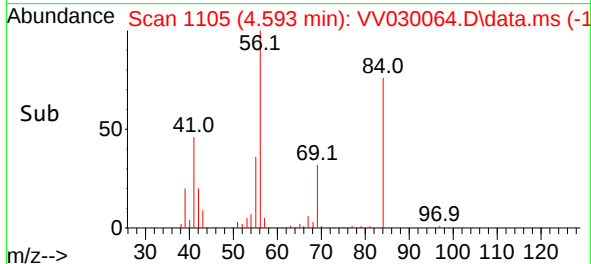
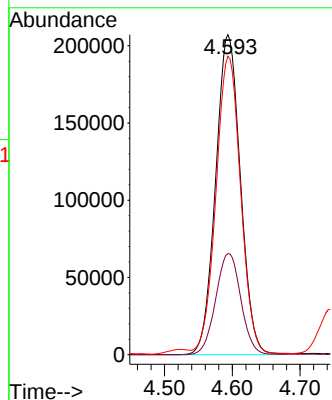
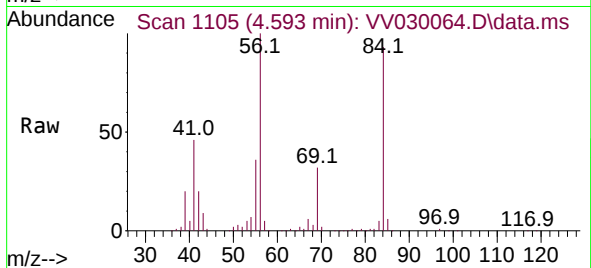
Tgt Ion: 56 Resp: 526636

Ion Ratio Lower Upper

56 100

69 32.1 25.3 37.9

84 92.8 73.0 109.4



#30

1,1,1-Trichloroethane

Concen: 100.505 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

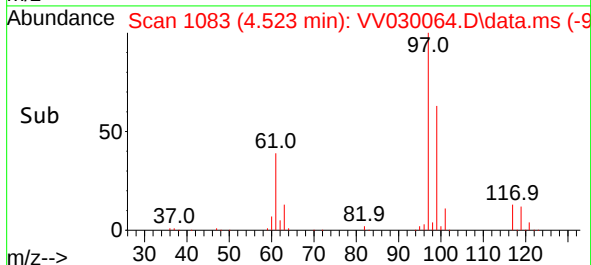
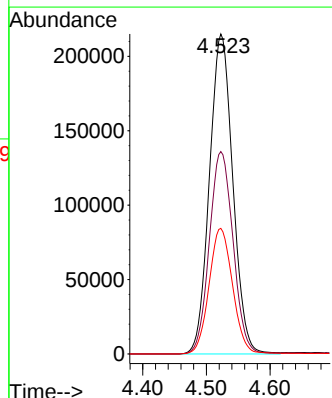
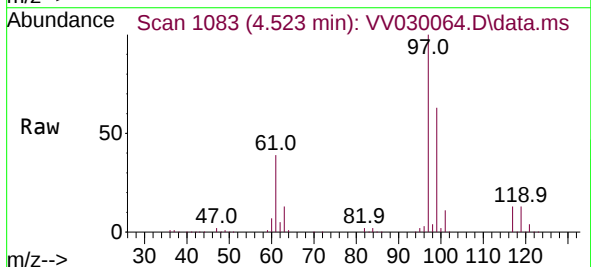
Tgt Ion: 97 Resp: 548622

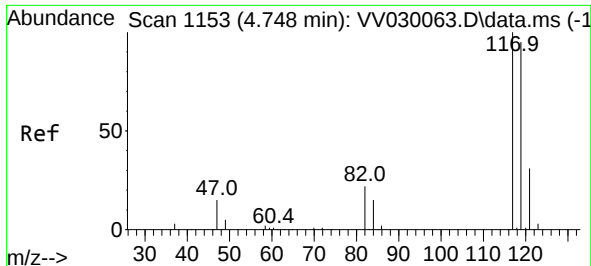
Ion Ratio Lower Upper

97 100

99 64.2 50.7 76.1

61 39.6 31.6 47.4

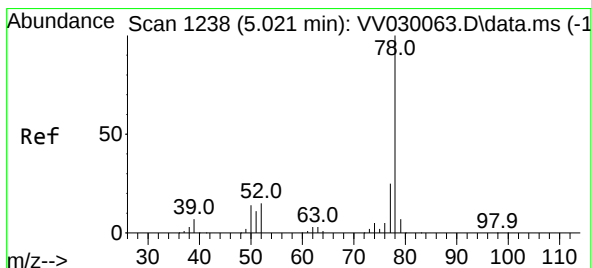
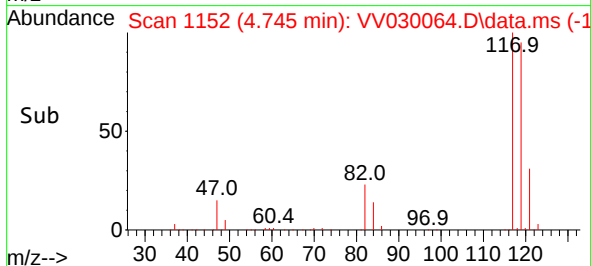
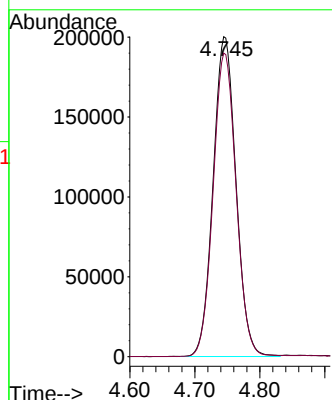
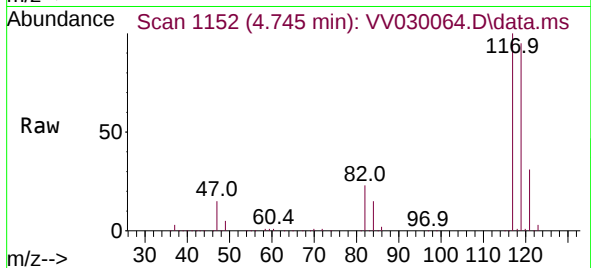




#31
Carbon tetrachloride
Concen: 101.765 ug/L
RT: 4.745 min Scan# 1153
Delta R.T. -0.003 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

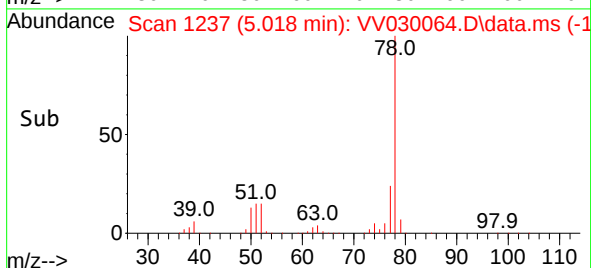
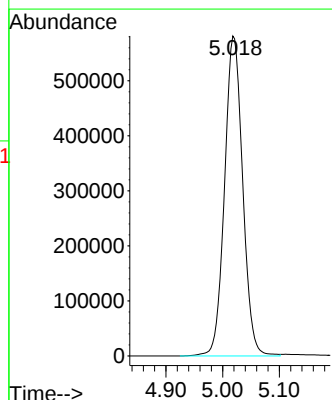
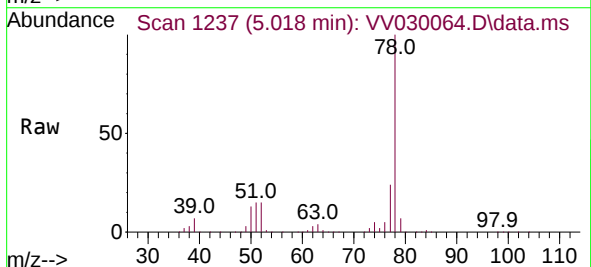
Instrument :
MSVOA_V
ClientSampleId :
VSTD100211

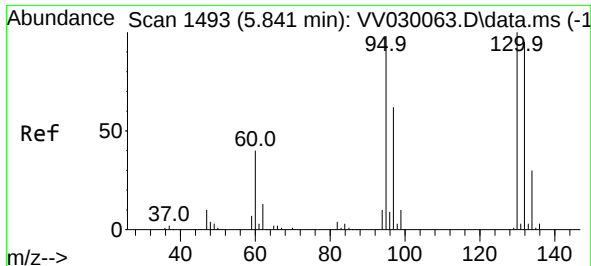
Tgt Ion:117 Resp: 487667
Ion Ratio Lower Upper
117 100
119 95.5 76.8 115.2



#33
Benzene
Concen: 99.671 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.003 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

Tgt Ion: 78 Resp: 1292182

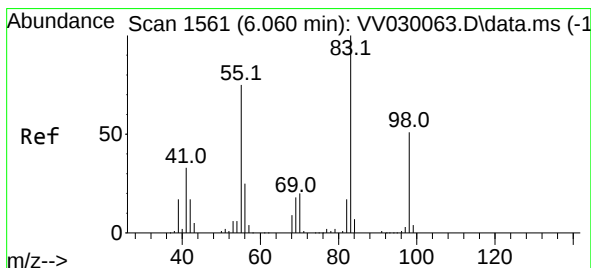
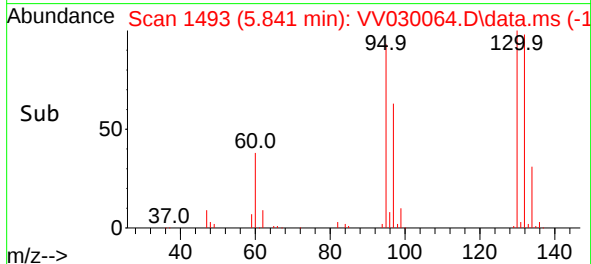
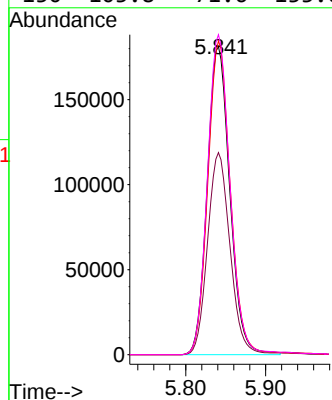
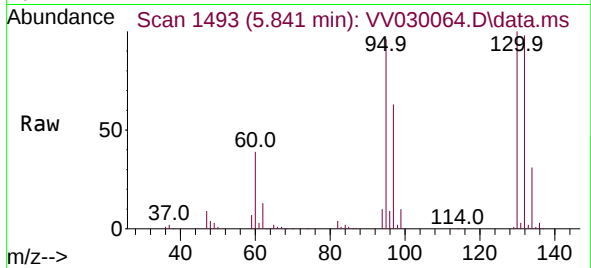




#34
Trichloroethene
Concen: 100.972 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

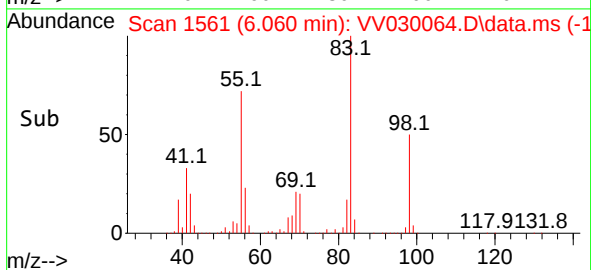
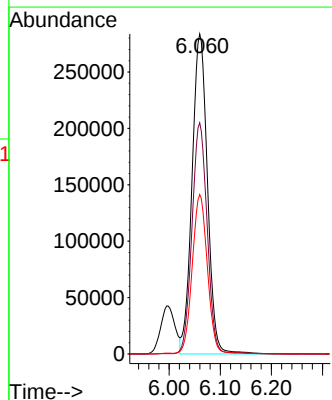
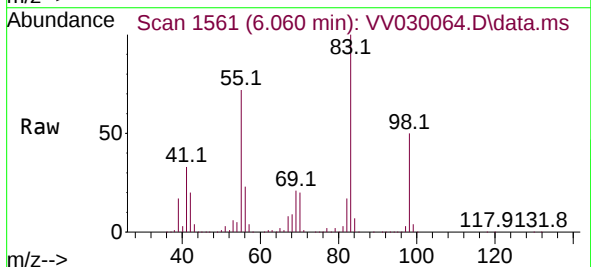
Instrument :
MSVOA_V
ClientSampleId :
VSTD100211

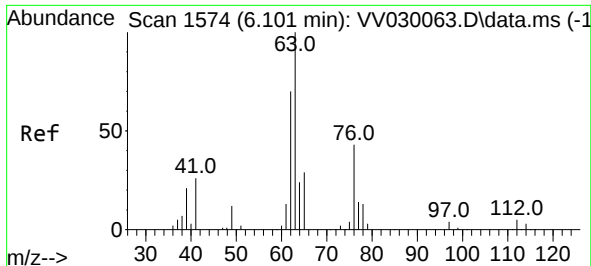
Tgt Ion: 95 Resp: 356292
Ion Ratio Lower Upper
95 100
97 65.6 44.1 81.9
132 101.8 68.3 126.9
130 103.8 71.6 133.0



#35
Methylcyclohexane
Concen: 105.941 ug/L
RT: 6.060 min Scan# 1561
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

Tgt Ion: 83 Resp: 593430
Ion Ratio Lower Upper
83 100
55 70.6 58.4 87.6
98 48.5 39.8 59.8





#37

1,2-Dichloropropane

Concen: 100.758 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

Instrument :

MSVOA_V

ClientSampleId :

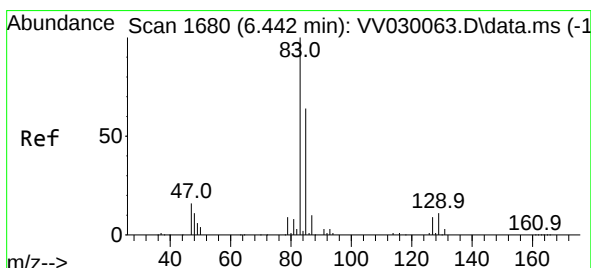
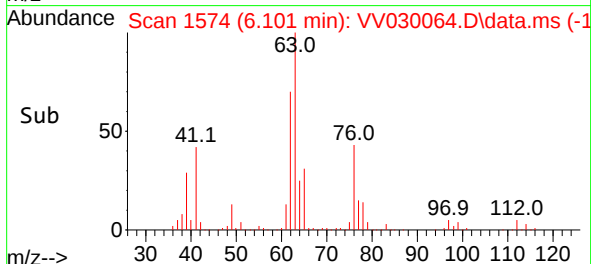
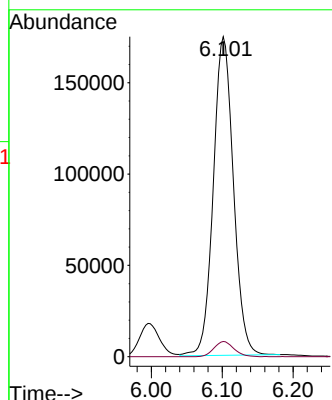
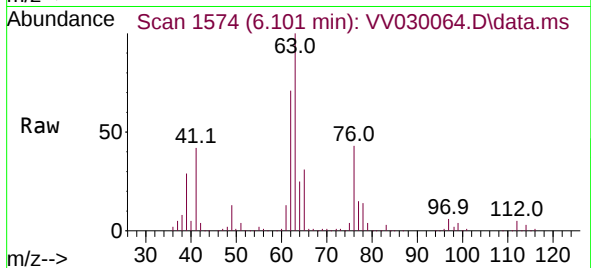
VSTD100211

Tgt Ion: 63 Resp: 344015

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 100.596 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.003 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

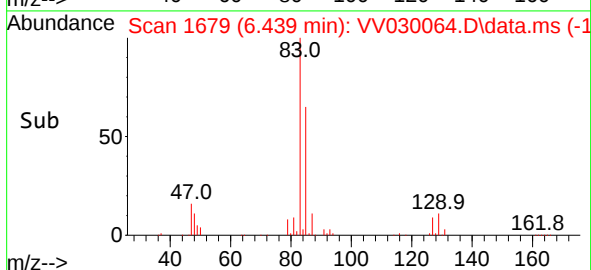
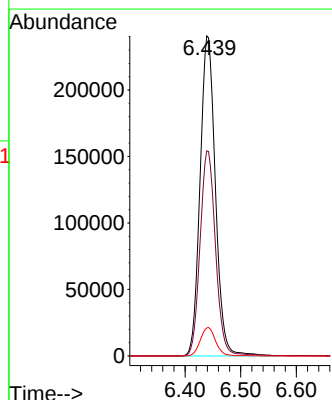
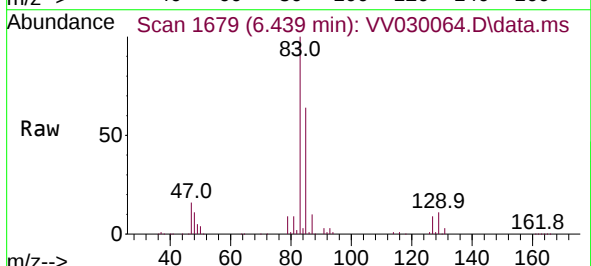
Tgt Ion: 83 Resp: 461321

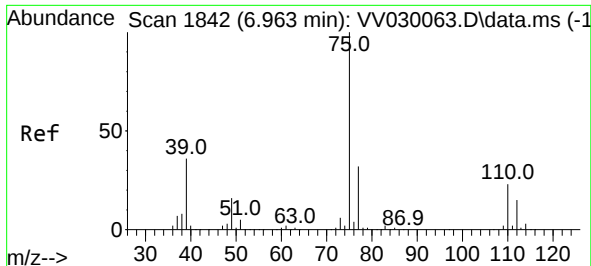
Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.5

127 8.8 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 104.771 ug/L

RT: 6.960 min Scan# 1842

Delta R.T. -0.003 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

Instrument :

MSVOA_V

ClientSampleId :

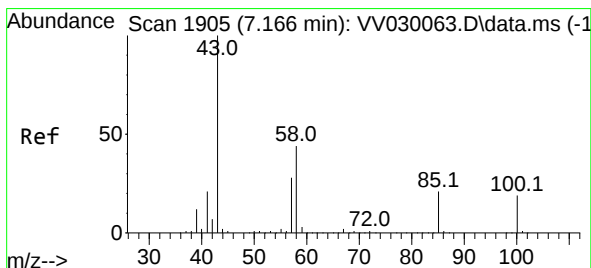
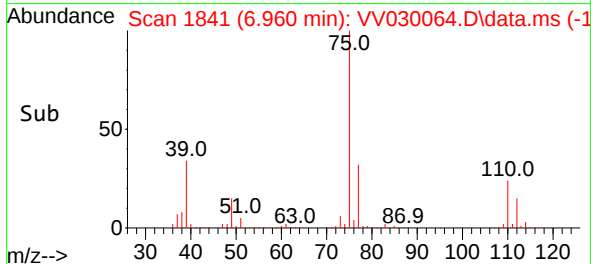
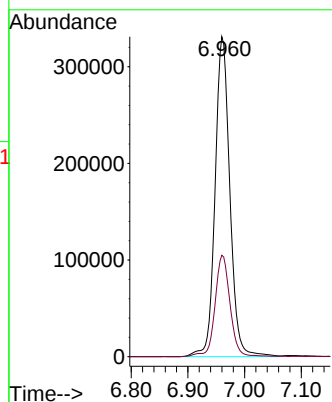
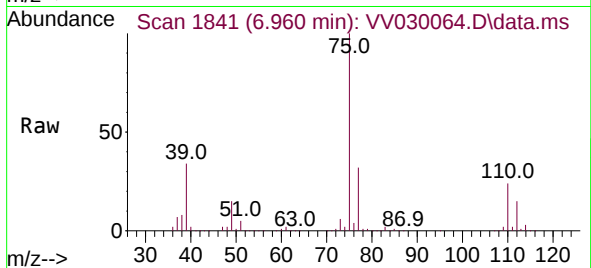
VSTD100211

Tgt Ion: 75 Resp: 601320

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 201.631 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

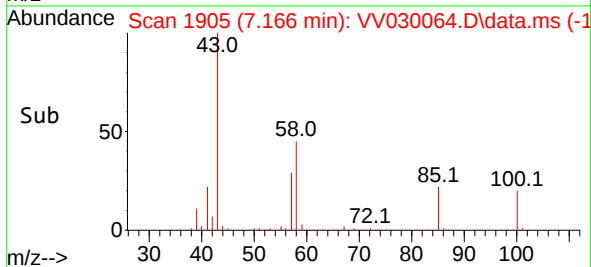
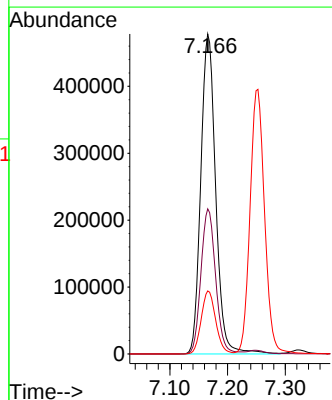
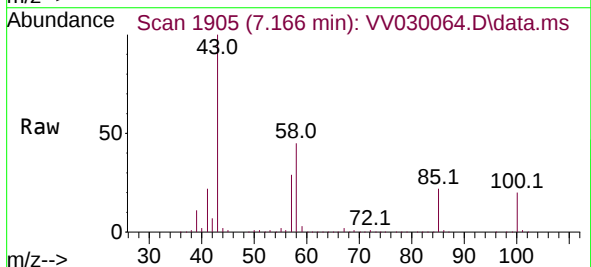
Tgt Ion: 43 Resp: 855845

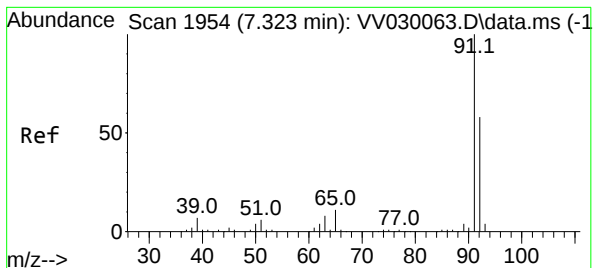
Ion Ratio Lower Upper

43 100

58 44.7 34.8 52.2

100 19.2 14.6 22.0





#42

Toluene

Concen: 100.416 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

Instrument :

MSVOA_V

ClientSampleId :

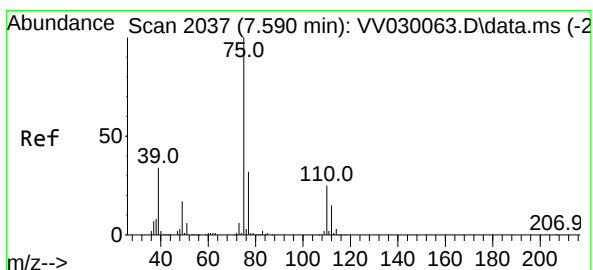
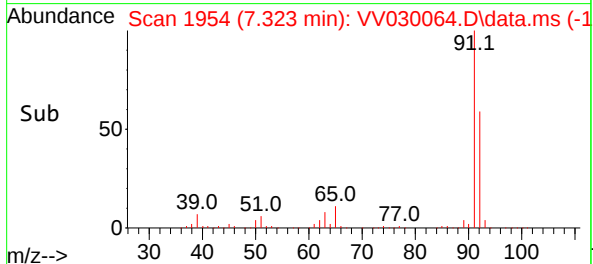
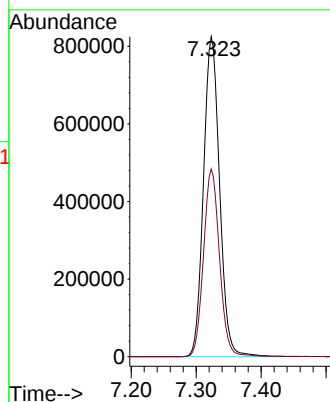
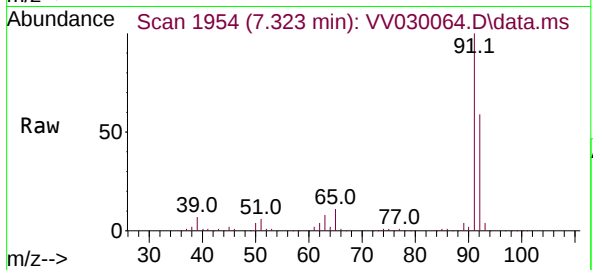
VSTD100211

Tgt Ion: 91 Resp: 1424550

Ion Ratio Lower Upper

91 100

92 58.6 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 105.842 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.003 min

Lab File: VV030064.D

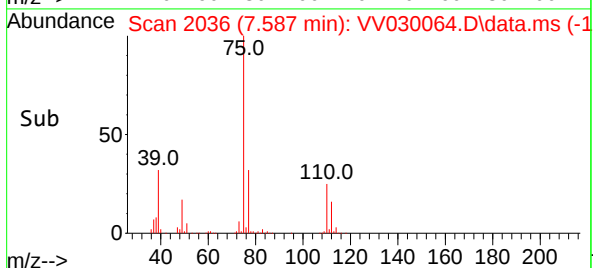
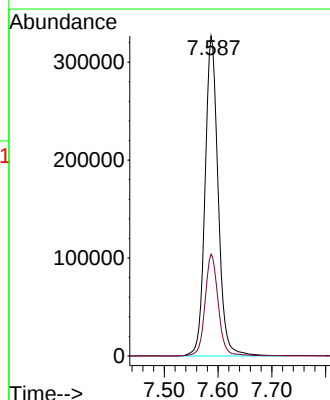
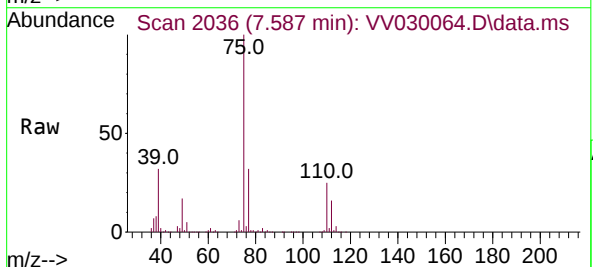
Acq: 17 Feb 2023 13:26

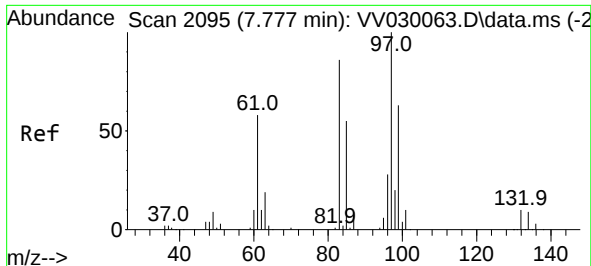
Tgt Ion: 75 Resp: 552466

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.5

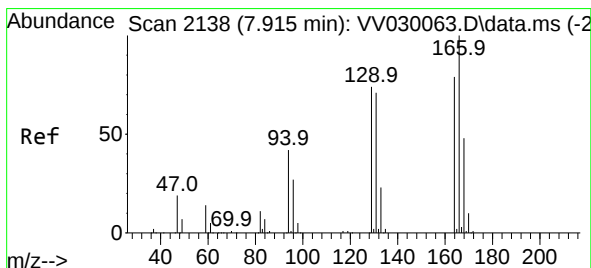
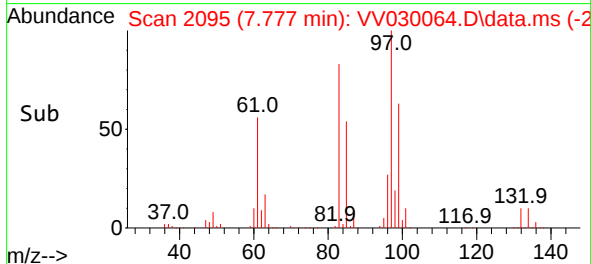
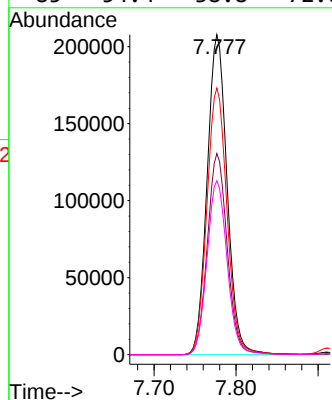
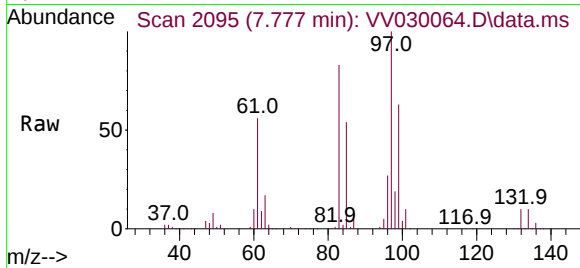




#45
1,1,2-Trichloroethane
Concen: 99.273 ug/L
RT: 7.777 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

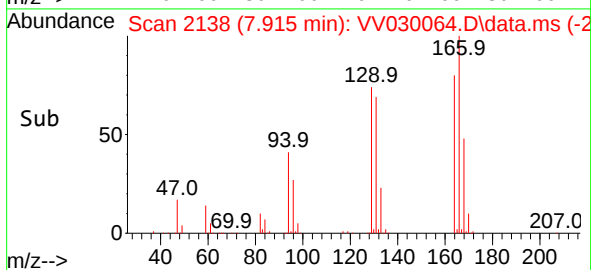
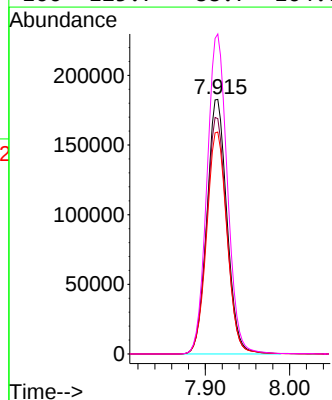
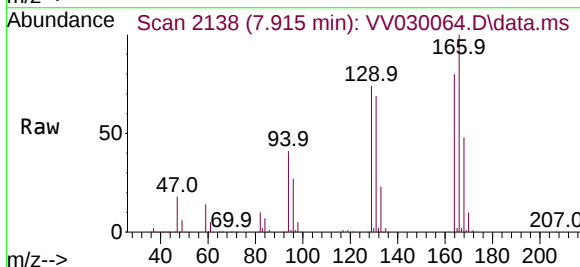
Instrument :
MSVOA_V
ClientSampleId :
VSTD100211

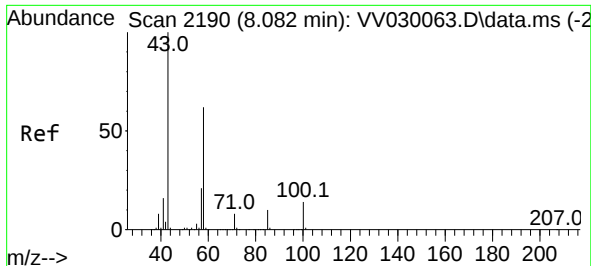
Tgt Ion:	97	Resp:	351783
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.8	81.4
83	83.3	59.9	111.3
85	54.4	38.8	72.0



#46
Tetrachloroethene
Concen: 102.318 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

Tgt Ion:	164	Resp:	303522
Ion	Ratio	Lower	Upper
164	100		
129	92.5	65.2	121.0
131	87.2	63.1	117.3
166	125.7	88.7	164.7



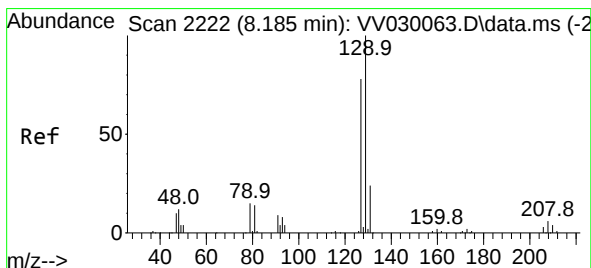
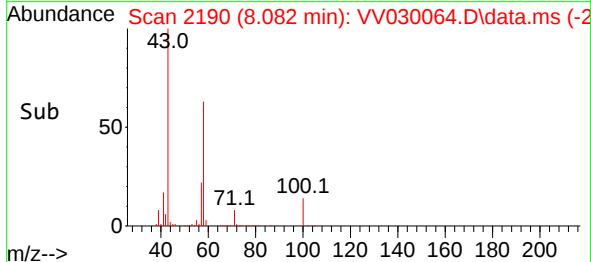
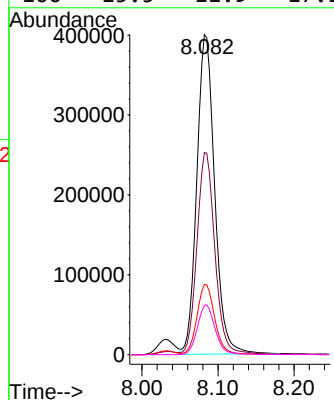
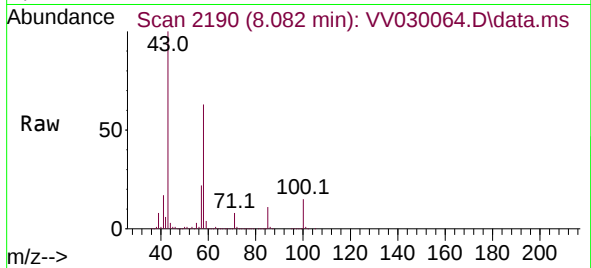


#48
2-Hexanone
Concen: 202.814 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD100211

Tgt Ion: 43 Resp: 653306

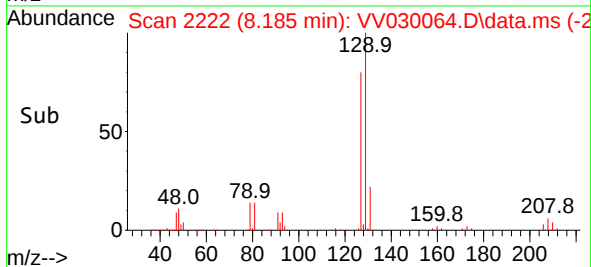
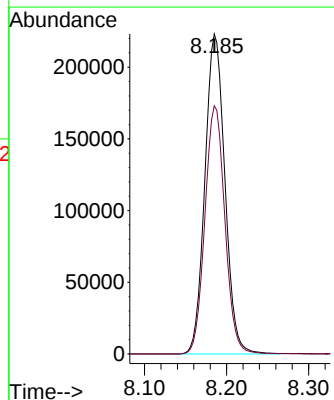
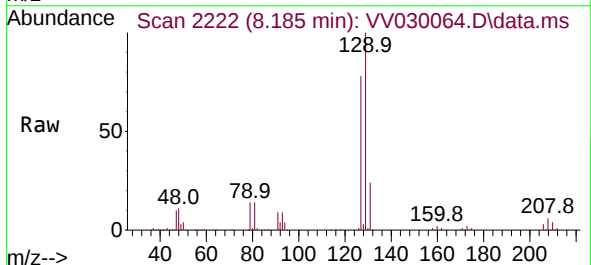
Ion	Ratio	Lower	Upper
43	100		
58	63.5	49.9	74.9
57	22.0	17.4	26.0
100	15.5	11.9	17.9

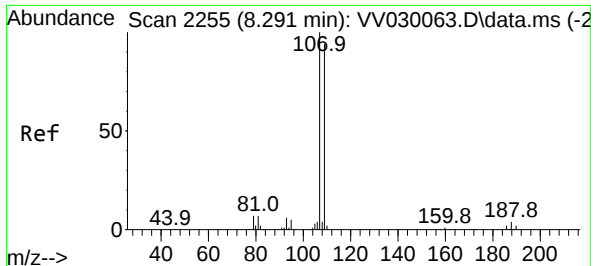


#49
Dibromochloromethane
Concen: 102.798 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

Tgt Ion: 129 Resp: 377837

Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.9	102.1

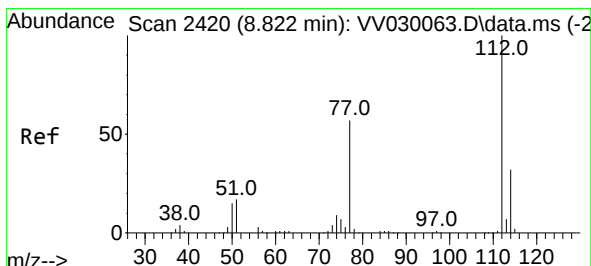
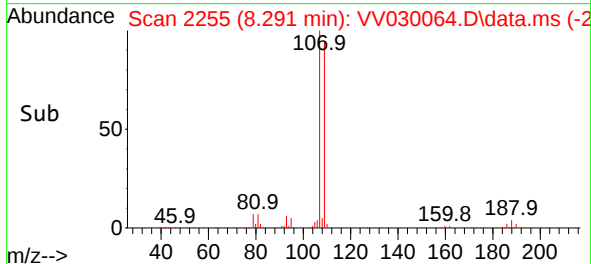
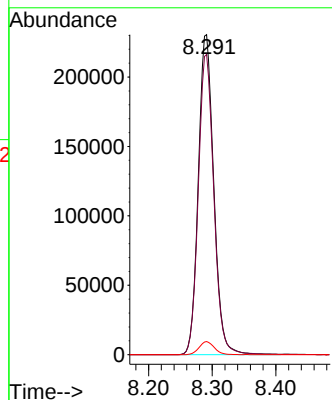
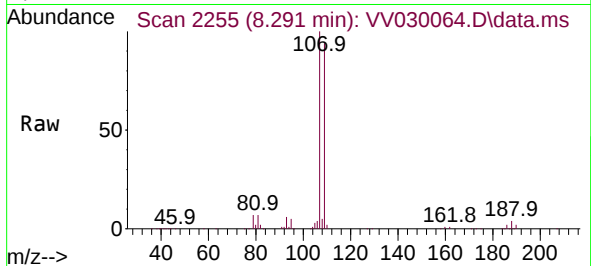




#50
1,2-Dibromoethane
Concen: 100.210 ug/L
RT: 8.291 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

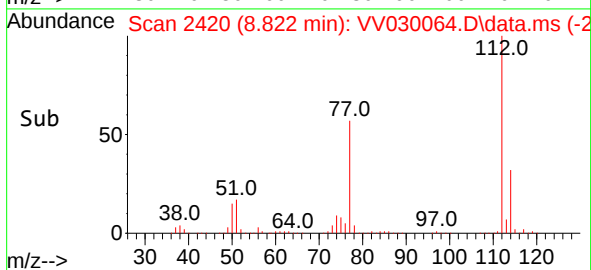
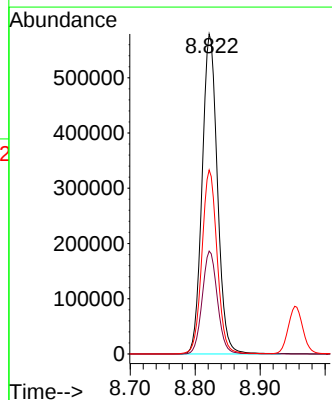
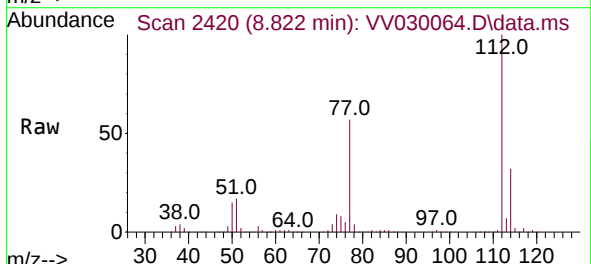
Instrument :
MSVOA_V
ClientSampleId :
VSTD100211

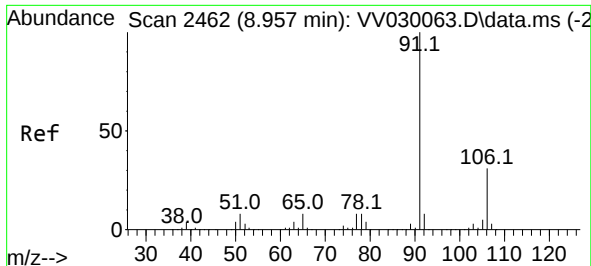
Tgt Ion:107 Resp: 389573
Ion Ratio Lower Upper
107 100
109 93.8 66.0 122.6
188 4.1 3.4 5.0



#51
Chlorobenzene
Concen: 100.511 ug/L
RT: 8.822 min Scan# 2420
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

Tgt Ion:112 Resp: 950271
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.3
77 57.5 46.0 69.0

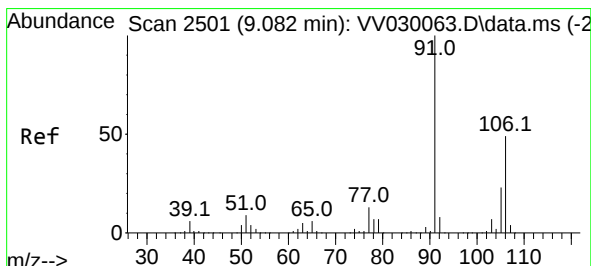
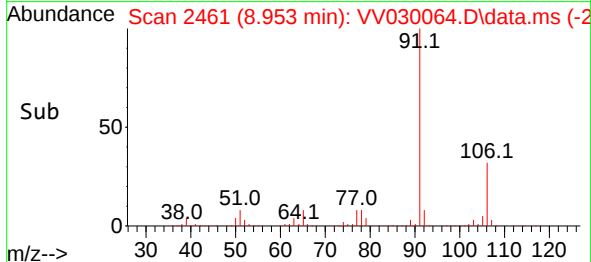
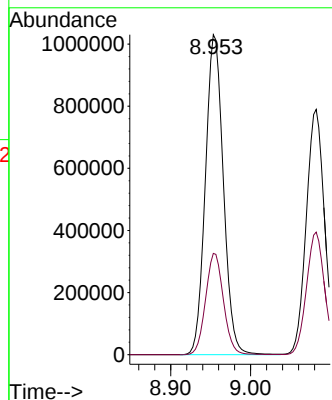
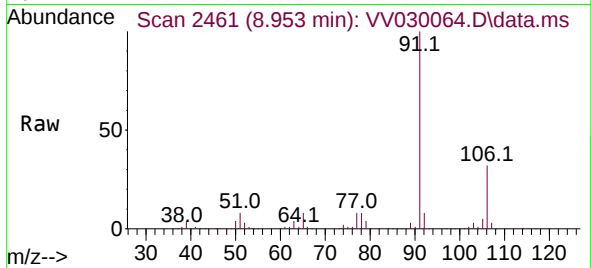




#52
Ethylbenzene
Concen: 102.818 ug/L
RT: 8.953 min Scan# 2462
Delta R.T. -0.003 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

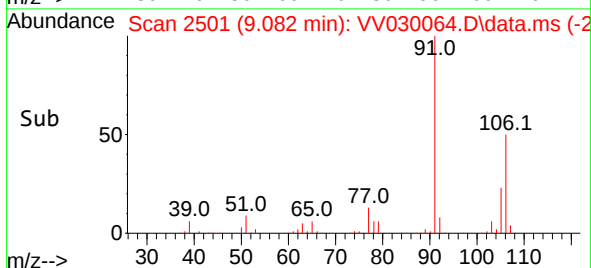
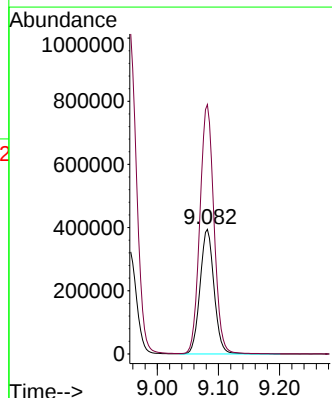
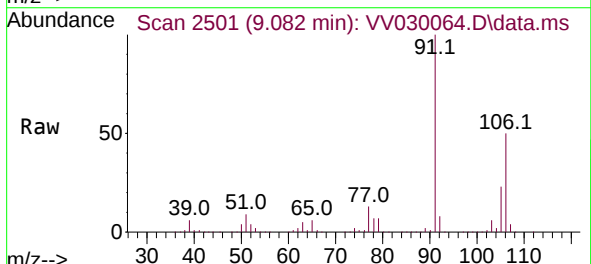
Instrument :
MSVOA_V
ClientSampleId :
VSTD100211

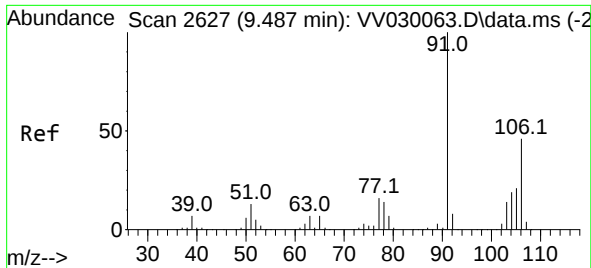
Tgt Ion: 91 Resp: 1615022
Ion Ratio Lower Upper
91 100
106 31.6 22.0 40.8



#53
m,p-Xylene
Concen: 104.319 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. -0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

Tgt Ion: 106 Resp: 626044
Ion Ratio Lower Upper
106 100
91 200.1 142.0 263.8

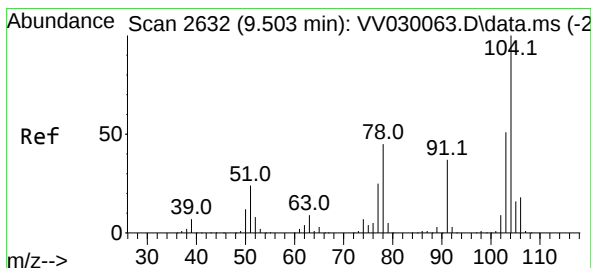
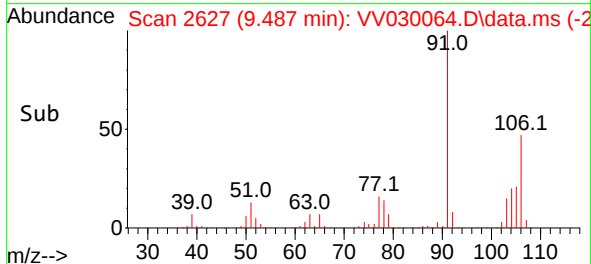
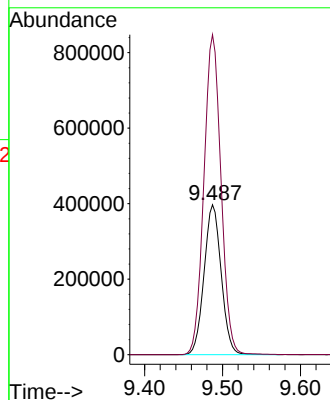
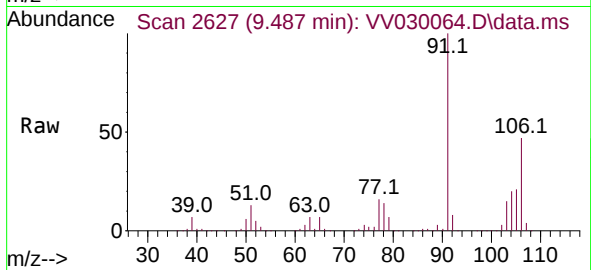




#54
o-Xylene
Concen: 104.607 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

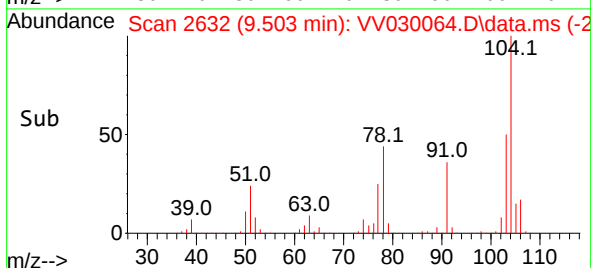
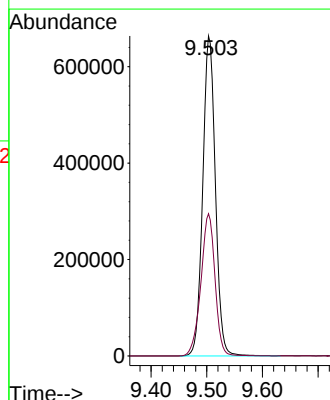
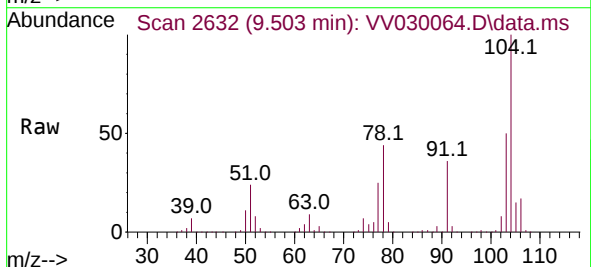
Instrument :
MSVOA_V
ClientSampleId :
VSTD100211

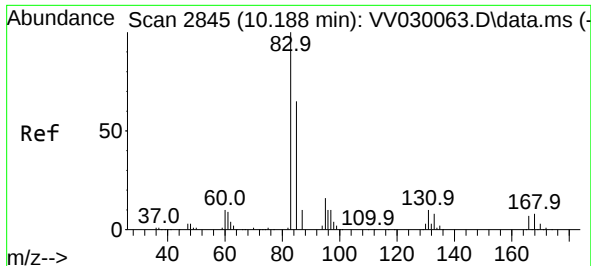
Tgt Ion:106 Resp: 604994
Ion Ratio Lower Upper
106 100
91 213.5 151.5 281.3



#55
Styrene
Concen: 106.007 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

Tgt Ion:104 Resp: 1047347
Ion Ratio Lower Upper
104 100
78 44.5 31.9 59.2

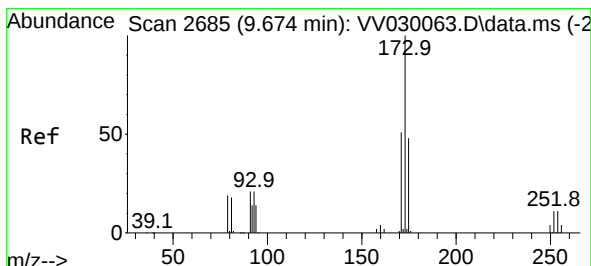
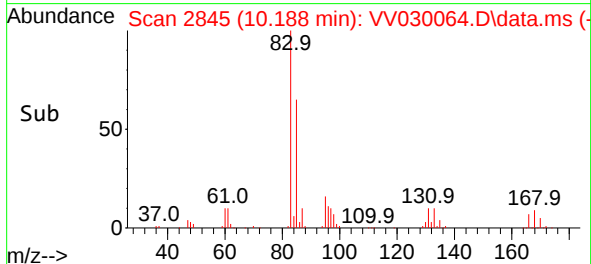
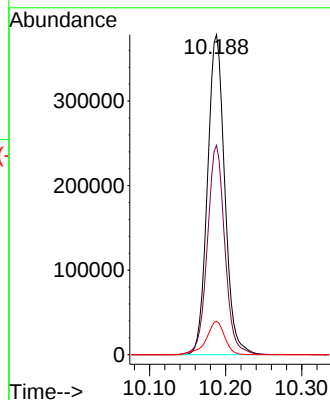
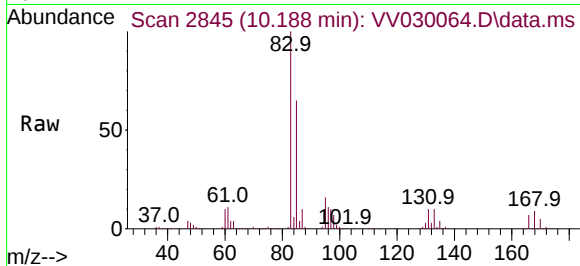




#57
1,1,2,2-Tetrachloroethane
Concen: 103.111 ug/L
RT: 10.188 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

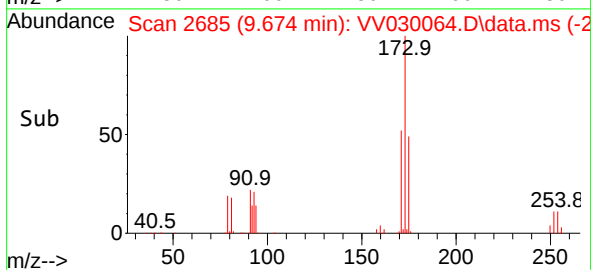
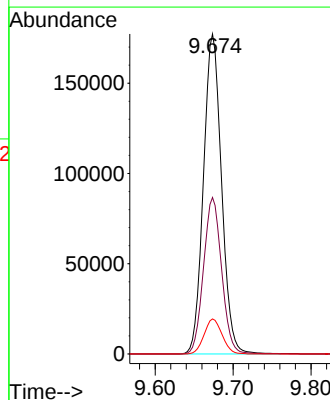
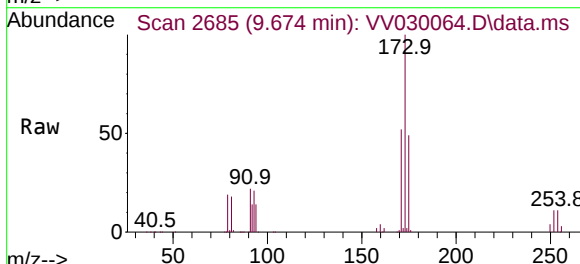
Instrument :
MSVOA_V
ClientSampleId :
VSTD100211

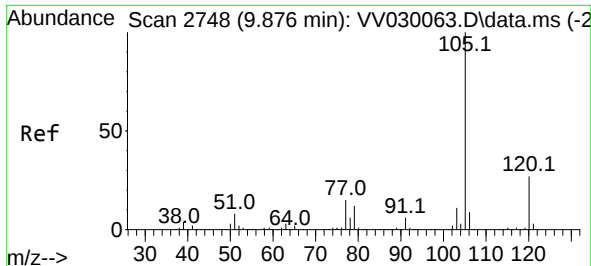
Tgt Ion: 83 Resp: 597295
Ion Ratio Lower Upper
83 100
85 65.4 45.5 84.5
131 10.5 8.3 12.5



#59
Bromoform
Concen: 103.031 ug/L
RT: 9.674 min Scan# 2685
Delta R.T. -0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

Tgt Ion: 173 Resp: 285746
Ion Ratio Lower Upper
173 100
175 48.9 38.7 58.1
254 10.9 8.7 13.1

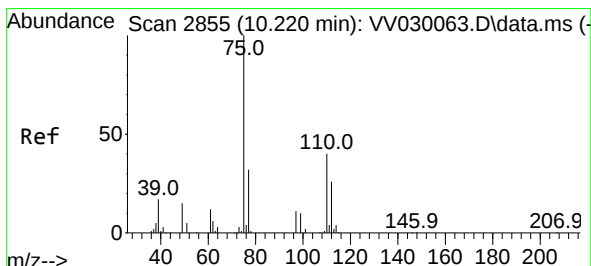
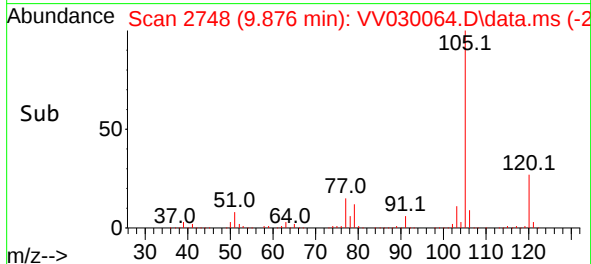
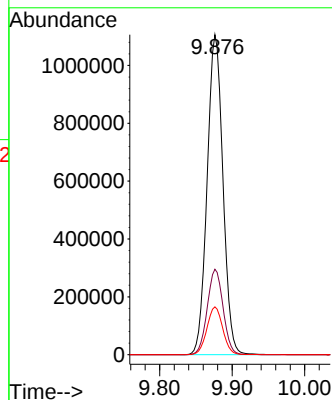
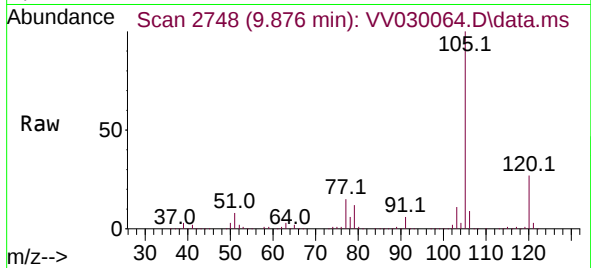




#60
Isopropylbenzene
Concen: 100.524 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

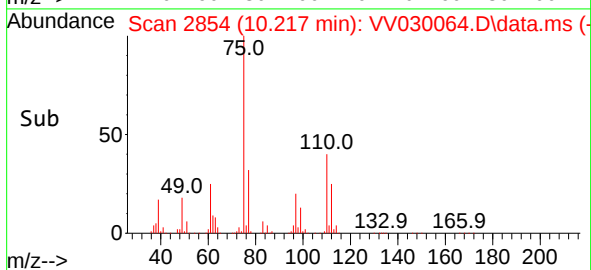
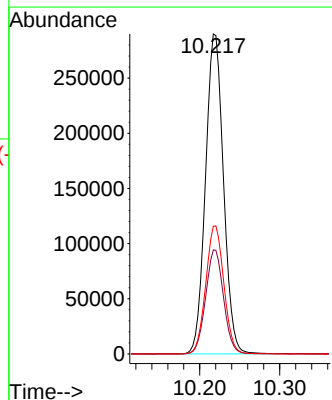
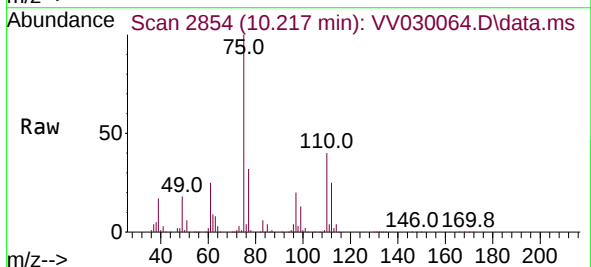
Instrument :
MSVOA_V
ClientSampleId :
VSTD100211

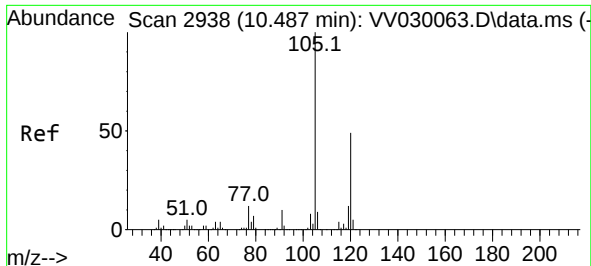
Tgt Ion:105 Resp: 1674131
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.0
77 15.0 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 98.091 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.003 min
Lab File: VV030064.D
Acq: 17 Feb 2023 13:26

Tgt Ion: 75 Resp: 454521
Ion Ratio Lower Upper
75 100
77 32.3 25.9 38.9
110 40.3 32.1 48.1





#62

1,3,5-Trimethylbenzene

Concen: 105.676 ug/L

RT: 10.487 min Scan# 2938

Delta R.T. 0.000 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

Instrument :

MSVOA_V

ClientSampleId :

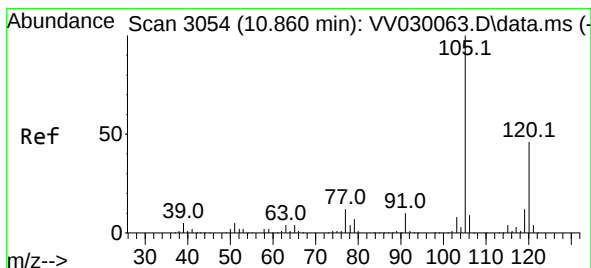
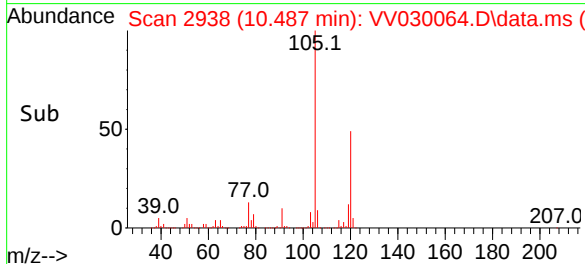
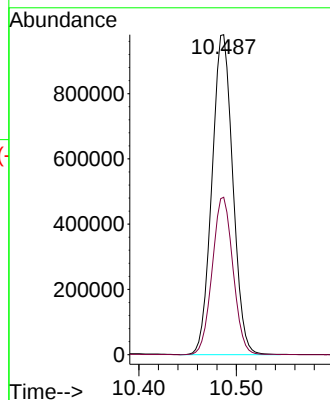
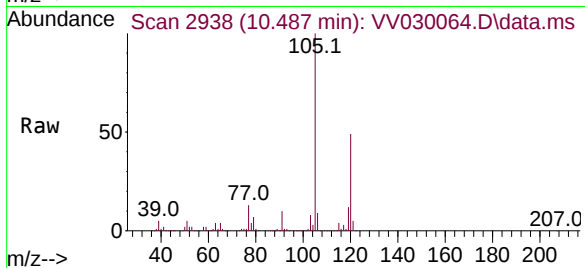
VSTD100211

Tgt Ion:105 Resp: 1457623

Ion Ratio Lower Upper

105 100

120 49.0 39.0 58.4



#63

1,2,4-Trimethylbenzene

Concen: 106.031 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030064.D

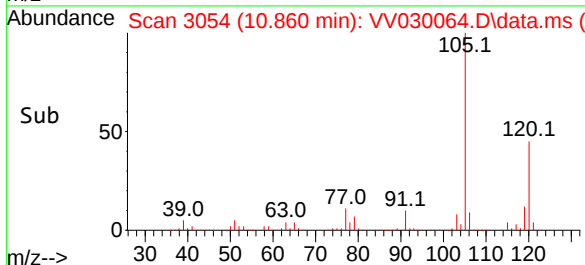
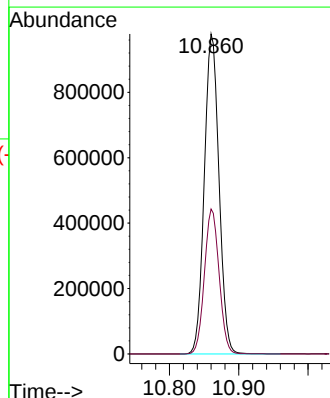
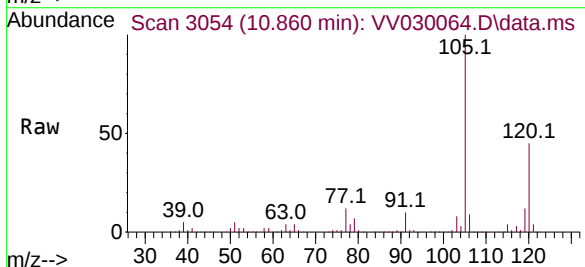
Acq: 17 Feb 2023 13:26

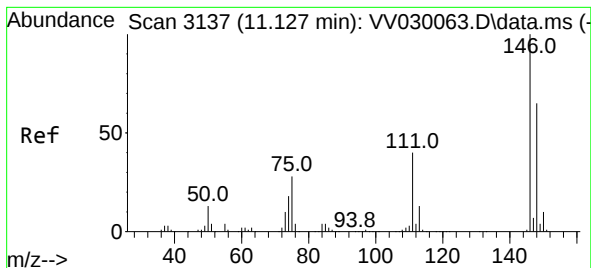
Tgt Ion:105 Resp: 1437446

Ion Ratio Lower Upper

105 100

120 45.3 36.3 54.5





#64

1,3-Dichlorobenzene

Concen: 101.780 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. -0.000 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD100211

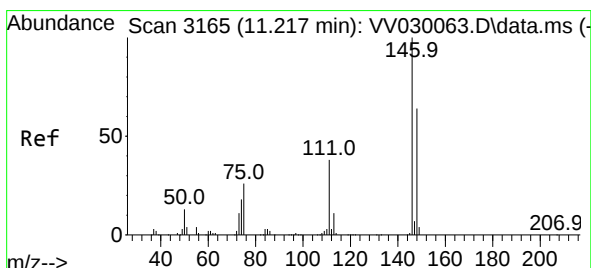
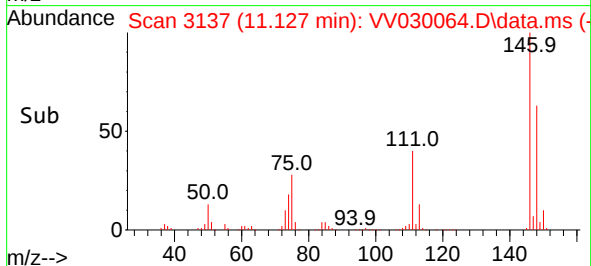
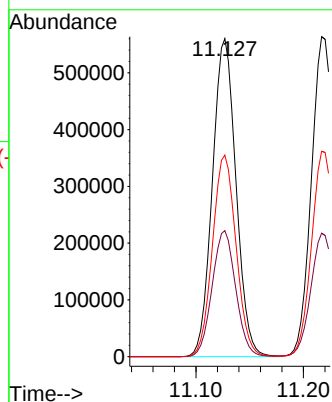
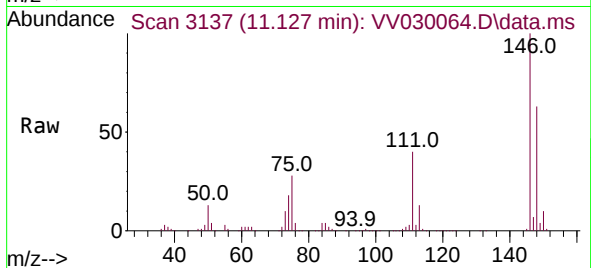
Tgt Ion:146 Resp: 854214

Ion Ratio Lower Upper

146 100

111 39.6 28.2 52.4

148 63.4 45.3 84.1



#65

1,4-Dichlorobenzene

Concen: 100.523 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

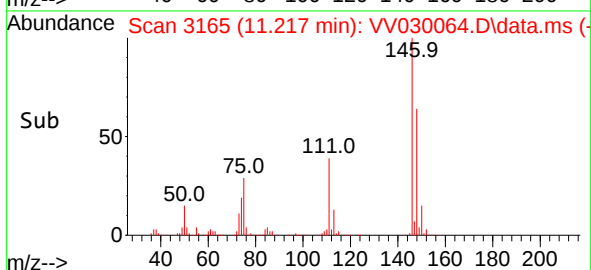
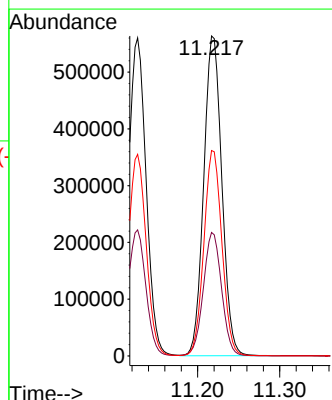
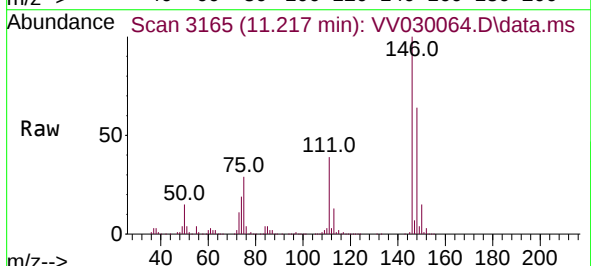
Tgt Ion:146 Resp: 863252

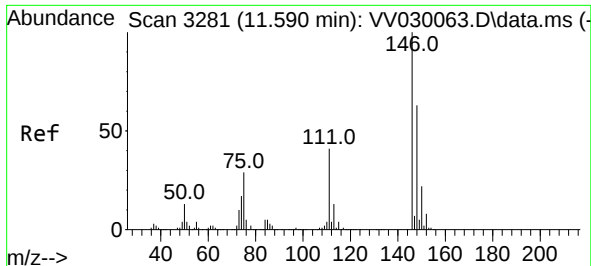
Ion Ratio Lower Upper

146 100

111 38.6 27.1 50.3

148 64.2 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 100.385 ug/L

RT: 11.590 min Scan# 3281

Delta R.T. 0.000 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD100211

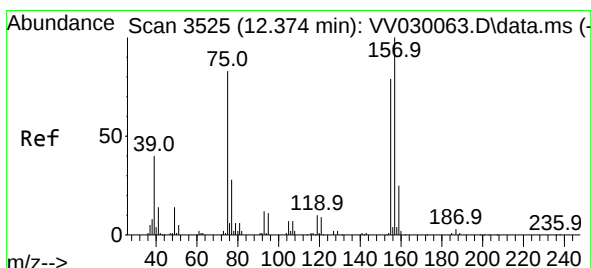
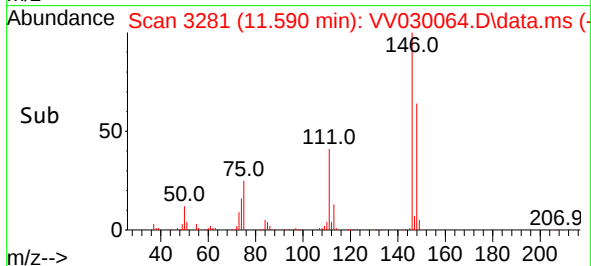
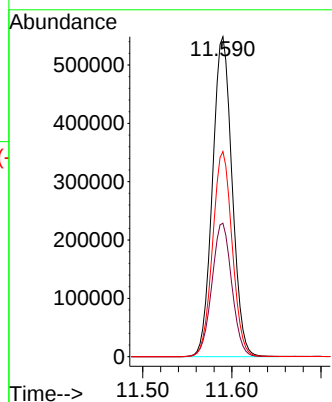
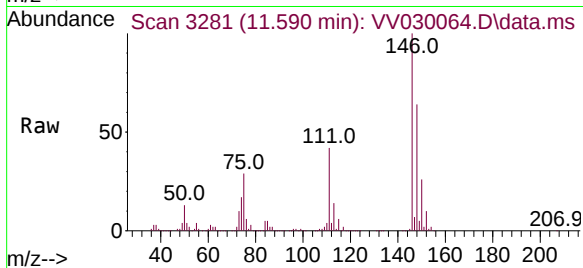
Tgt Ion:146 Resp: 838836

Ion Ratio Lower Upper

146 100

111 41.7 33.0 49.4

148 64.1 50.7 76.1



#68

1,2-Dibromo-3-chloropropane

Concen: 102.824 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.000 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

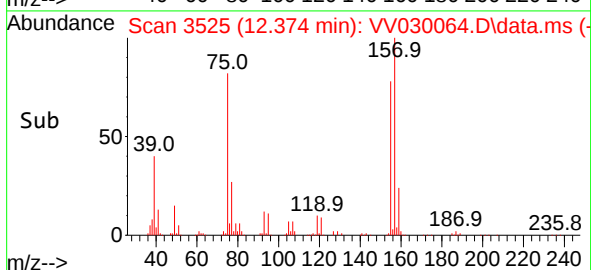
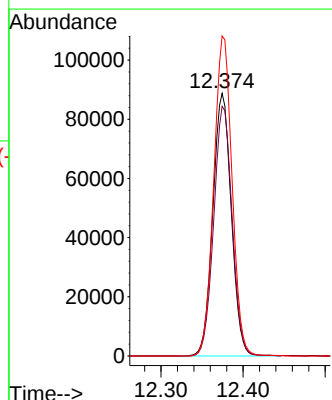
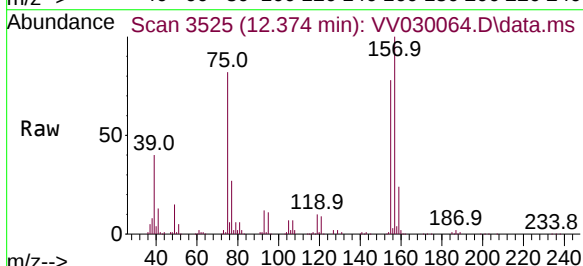
Tgt Ion: 75 Resp: 139005

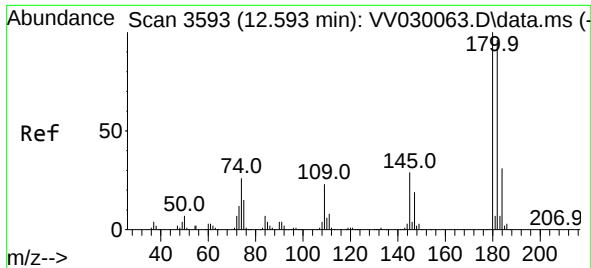
Ion Ratio Lower Upper

75 100

155 95.0 76.2 114.2

157 121.8 96.0 144.0



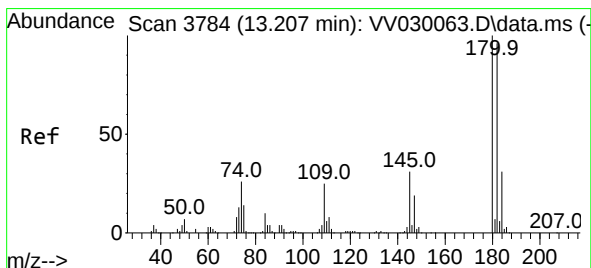
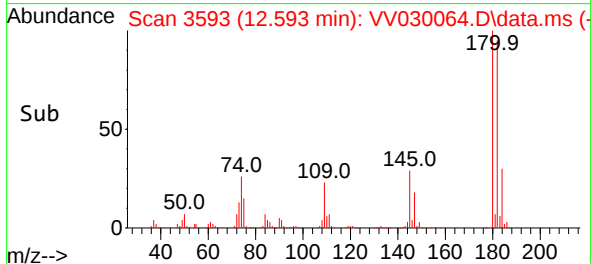
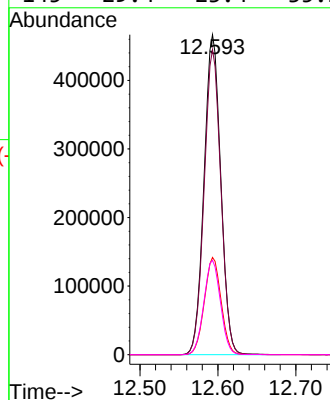
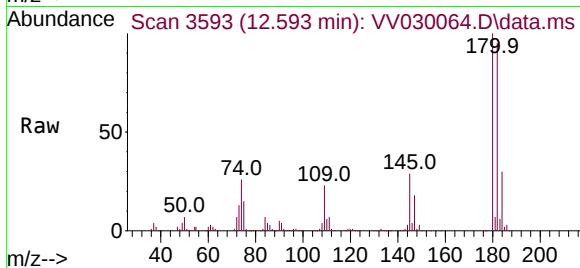


#69
 1,3,5-Trichlorobenzene
 Concen: 103.754 ug/L
 RT: 12.593 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV030064.D
 Acq: 17 Feb 2023 13:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100211

Tgt Ion:180 Resp: 694883

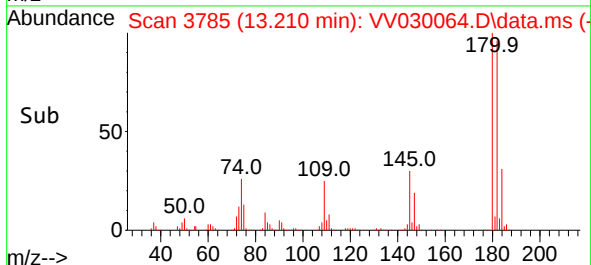
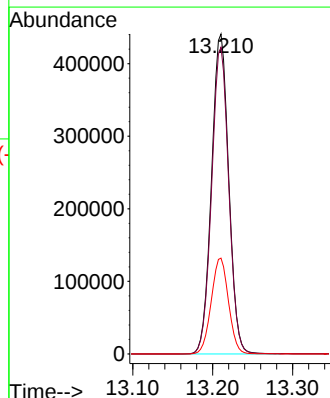
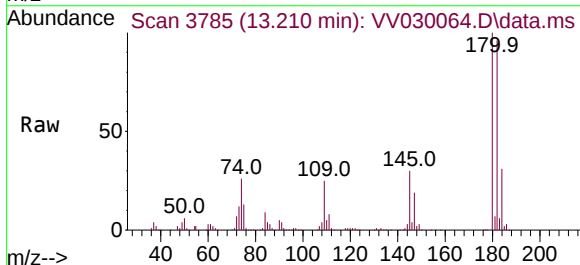
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.4	114.6
184	30.5	24.5	36.7
145	29.4	23.4	35.2

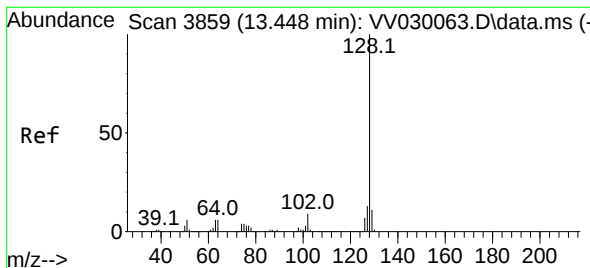


#70
 1,2,4-trichlorobenzene
 Concen: 104.908 ug/L
 RT: 13.210 min Scan# 3785
 Delta R.T. 0.003 min
 Lab File: VV030064.D
 Acq: 17 Feb 2023 13:26

Tgt Ion:180 Resp: 660390

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	30.0	24.3	36.5





#71

Naphthalene

Concen: 106.476 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD100211

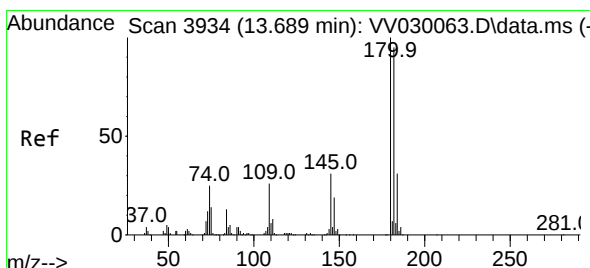
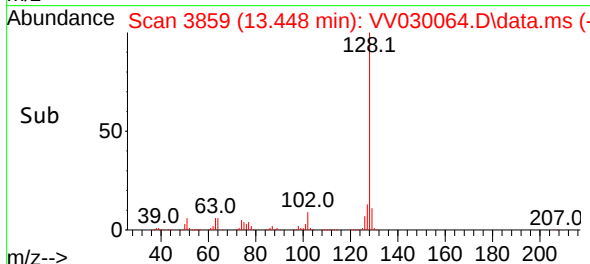
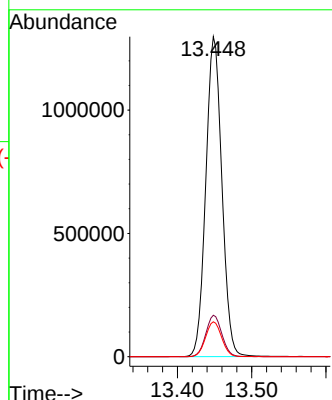
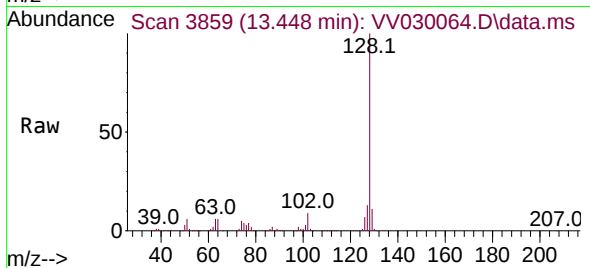
Tgt Ion:128 Resp: 1944158

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 103.708 ug/L

RT: 13.693 min Scan# 3935

Delta R.T. 0.003 min

Lab File: VV030064.D

Acq: 17 Feb 2023 13:26

Tgt Ion:180 Resp: 640700

Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.8

145 32.2 25.0 37.6

