

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052323\
 Data File : VW031203.D
 Acq On : 23 May 2023 20:22
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050352

Quant Time: May 24 01:38:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 24 01:27:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	194470	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	195559	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	118885	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	73656	44.318	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.640%
7) Chloroethane-d5	1.536	69	65063	50.817	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.640%
11) 1,1-Dichloroethene-d2	2.063	65	35318	45.317	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.640%
21) 2-Butanone-d5	3.799	46	81915	92.498	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.500%
24) Chloroform-d	4.259	84	140535	47.798	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	4.950	65	98504	49.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.160%
32) Benzene-d6	4.970	84	246108	46.423	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.840%
36) 1,2-Dichloropropane-d6	5.995	67	73768	46.505	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.000%
41) Toluene-d8	7.249	98	255385	51.614	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.220%
43) trans-1,3-Dichloroprop...	7.558	79	40434	50.807	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.620%
47) 2-Hexanone-d5	8.031	63	57533	93.025	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.020%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	115178	48.411	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.820%
66) 1,2-Dichlorobenzene-d4	11.567	152	109505	51.258	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	58267	46.410	ug/L	99
3) Chloromethane	1.217	50	59855	43.547	ug/L	98
5) Vinyl chloride	1.288	62	57378	46.737	ug/L	99
6) Bromomethane	1.491	94	32235	46.852	ug/L	97
8) Chloroethane	1.555	64	40227	50.850	ug/L	94
9) Trichlorofluoromethane	1.719	101	121295	50.232	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	59597	46.802	ug/L	96
12) 1,1-Dichloroethene	2.076	96	51663	47.825	ug/L	95
13) Acetone	2.124	43	73142	63.530	ug/L	95
14) Carbon disulfide	2.249	76	90813	46.132	ug/L	100
15) Methyl Acetate	2.381	43	64516	49.306	ug/L	98
16) Methylene chloride	2.455	84	55591	46.225	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	47748	47.807	ug/L	95
18) Methyl tert-butyl Ether	2.712	73	200243	51.900	ug/L	98
19) 1,1-Dichloroethane	3.118	63	108508	47.672	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	59021	47.937	ug/L	94
22) 2-Butanone	3.880	43	87796	79.522	ug/L	98
23) Bromochloromethane	4.156	128	33505	49.520	ug/L	96
25) Chloroform	4.285	83	129189	50.808	ug/L	96

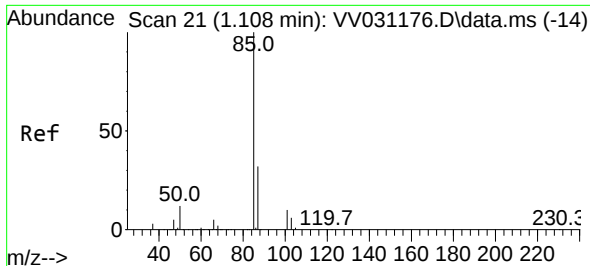
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 Quant Title : VOC Analysis
 QLast Update : Wed May 24 01:27:41 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	119012	55.166	ug/L	98
29) Cyclohexane	4.593	56	69059	44.877	ug/L	98
30) 1,1,1-Trichloroethane	4.523	97	118897	49.546	ug/L	99
31) Carbon tetrachloride	4.744	117	105872	50.642	ug/L	97
33) Benzene	5.018	78	229056	48.891	ug/L	100
34) Trichloroethene	5.841	95	62069	49.444	ug/L	98
35) Methylcyclohexane	6.060	83	81656	49.020	ug/L	99
37) 1,2-Dichloropropane	6.101	63	65866	51.079	ug/L	99
38) Bromodichloromethane	6.439	83	101472	50.763	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	102816	51.707	ug/L	98
40) 4-Methyl-2-pentanone	7.166	43	203110	102.360	ug/L	99
42) Toluene	7.323	91	274939	54.241	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	106158	52.775	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	72931	51.830	ug/L	99
46) Tetrachloroethene	7.912	164	54957	50.984	ug/L	96
48) 2-Hexanone	8.082	43	167815	101.540	ug/L	95
49) Dibromochloromethane	8.182	129	80907	50.961	ug/L	95
50) 1,2-Dibromoethane	8.288	107	69971	50.015	ug/L	99
51) Chlorobenzene	8.821	112	186584	51.717	ug/L	100
52) Ethylbenzene	8.953	91	307719	53.023	ug/L	99
53) m,p-Xylene	9.079	106	120394	53.480	ug/L	95
54) o-Xylene	9.484	106	119702	53.900	ug/L	98
55) Styrene	9.500	104	218565	55.647	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	118187	51.119	ug/L	100
59) Bromoform	9.670	173	67681	49.097	ug/L	99
60) Isopropylbenzene	9.873	105	331101	52.075	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	91427	49.990	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	263549	50.427	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	269219	52.683	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	171097	52.518	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	174999	51.634	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	174379	52.752	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	27196	48.441	ug/L	89
69) 1,3,5-Trichlorobenzene	12.590	180	126368	50.177	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	110795	51.694	ug/L	99
71) Naphthalene	13.445	128	280731	50.426	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	112413	52.487	ug/L	98

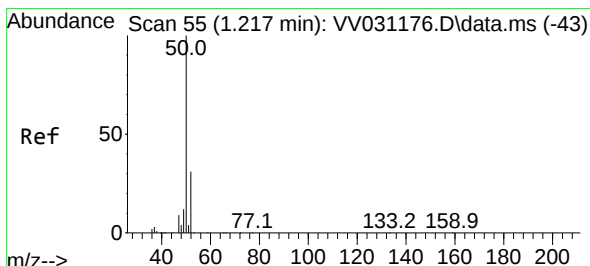
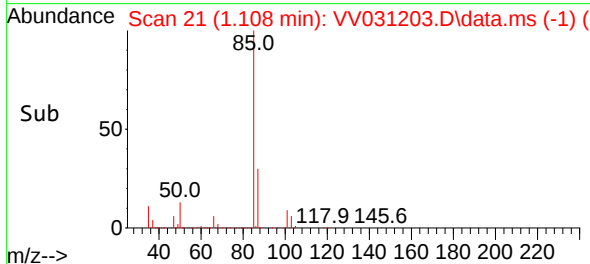
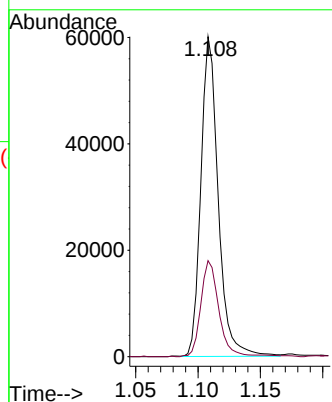
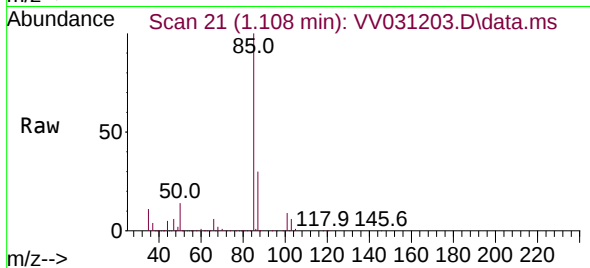
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#2
 Dichlorodifluoromethane
 Concen: 46.410 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031203.D
 Acq: 23 May 2023 20:22

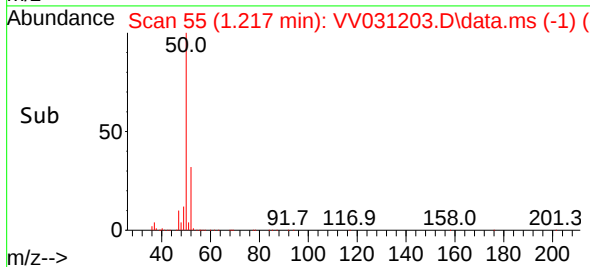
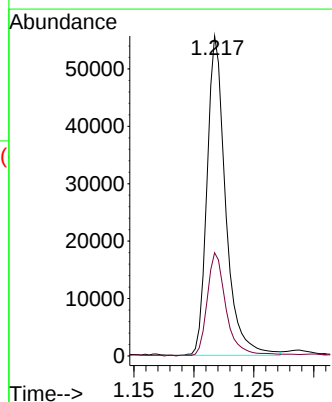
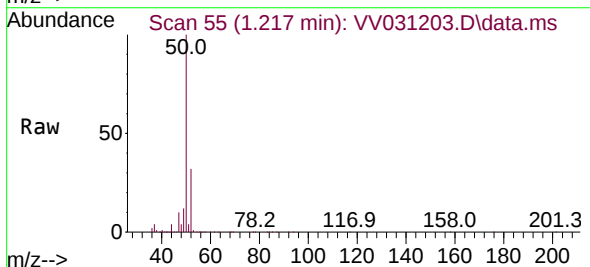
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050352

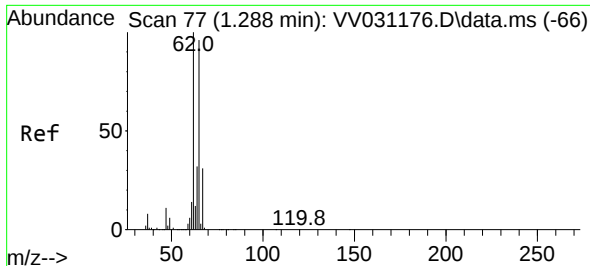
Tgt Ion: 85 Resp: 58267
 Ion Ratio Lower Upper
 85 100
 87 30.8 25.2 37.8



#3
 Chloromethane
 Concen: 43.547 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031203.D
 Acq: 23 May 2023 20:22

Tgt Ion: 50 Resp: 59855
 Ion Ratio Lower Upper
 50 100
 52 32.3 23.3 43.3

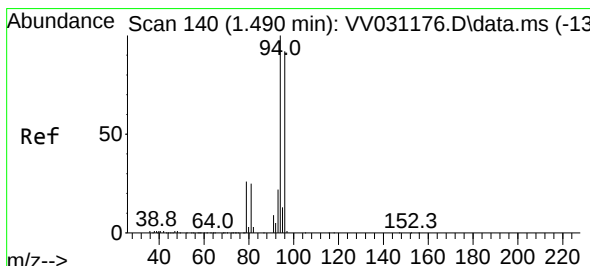
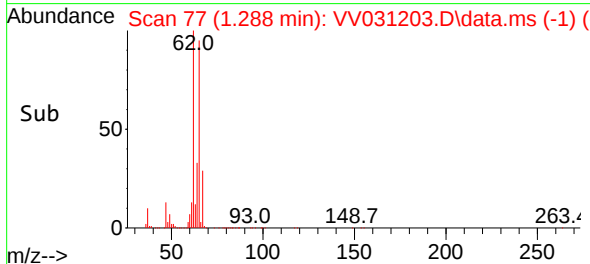
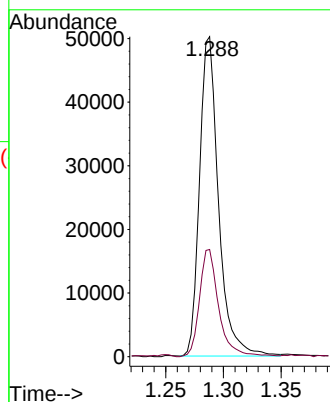
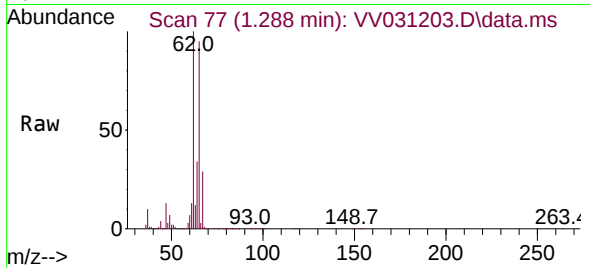




#5
 Vinyl chloride
 Concen: 46.737 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV031203.D
 Acq: 23 May 2023 20:22

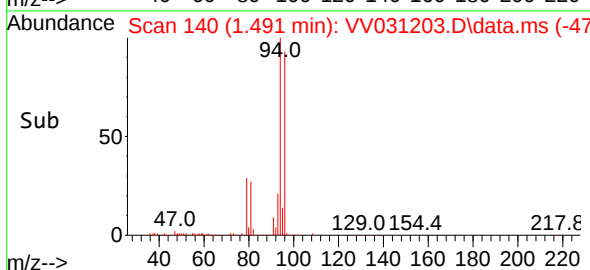
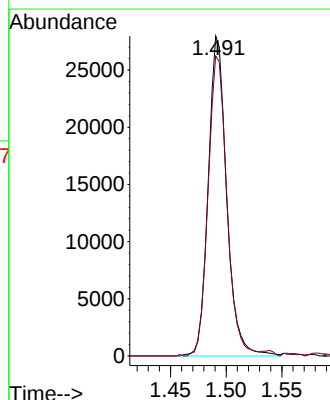
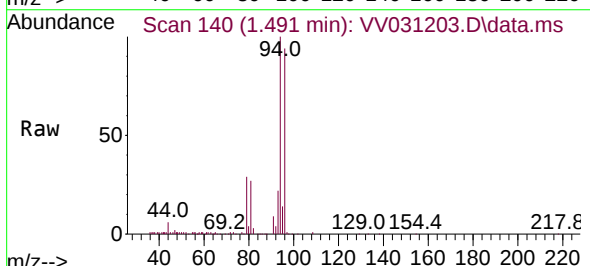
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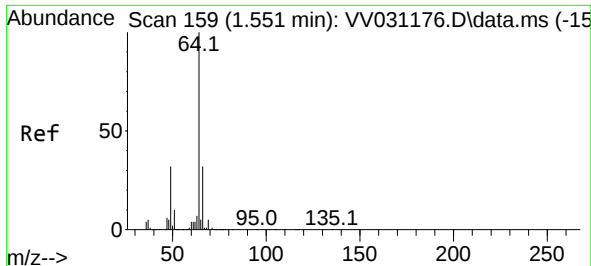
Tgt Ion: 62 Resp: 57378
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.1 42.9



#6
 Bromomethane
 Concen: 46.852 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV031203.D
 Acq: 23 May 2023 20:22

Tgt Ion: 94 Resp: 32235
 Ion Ratio Lower Upper
 94 100
 96 93.7 63.9 118.7

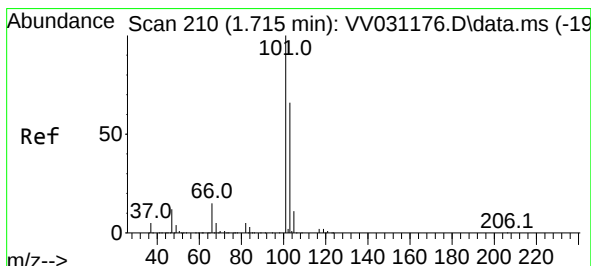
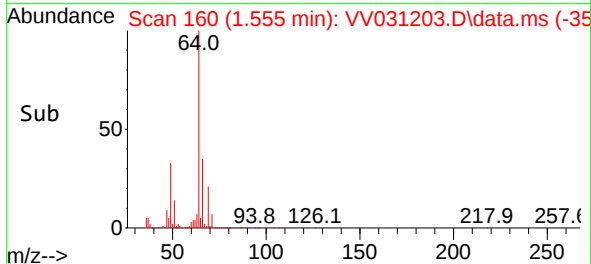
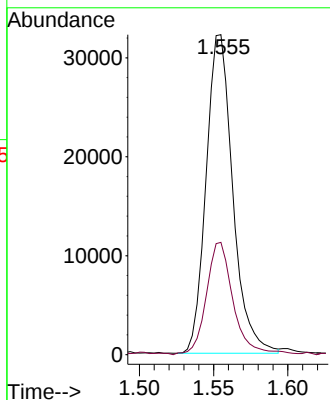
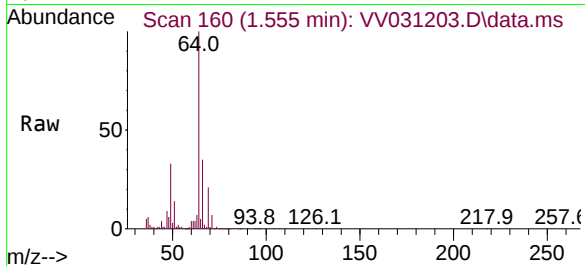




#8
Chloroethane
Concen: 50.850 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

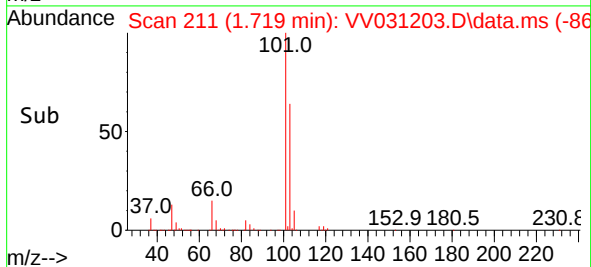
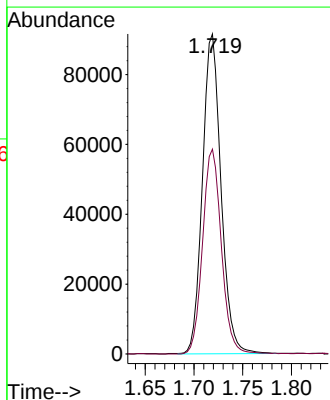
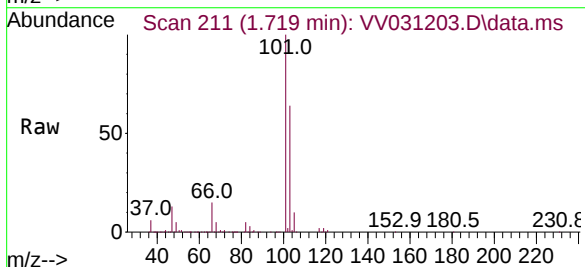
Instrument :
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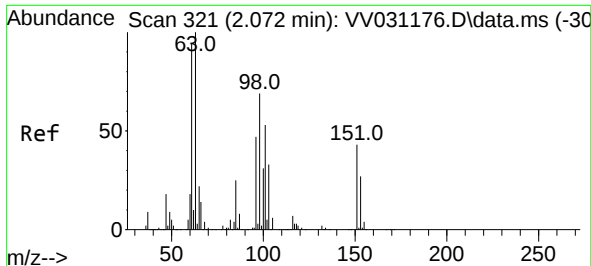
Tgt Ion: 64 Resp: 40227
Ion Ratio Lower Upper
64 100
66 35.1 22.1 41.1



#9
Trichlorofluoromethane
Concen: 50.232 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

Tgt Ion:101 Resp: 121295
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 46.802 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050352

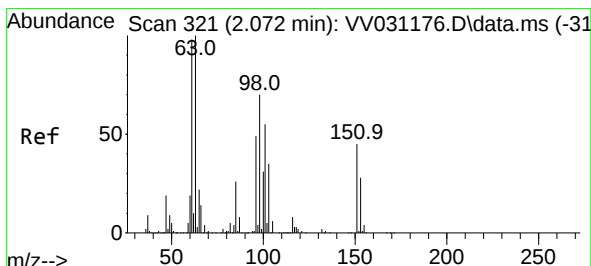
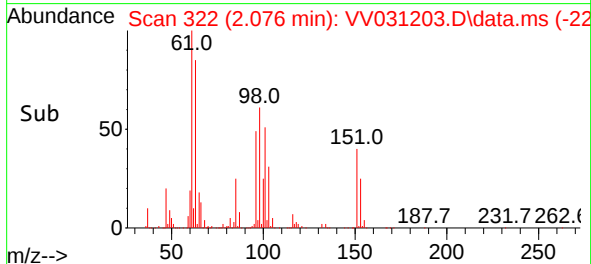
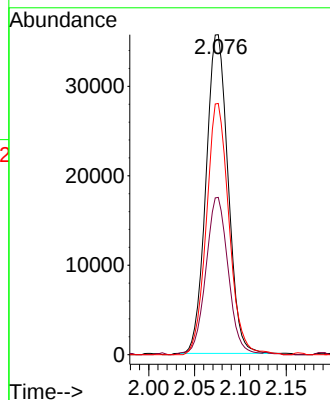
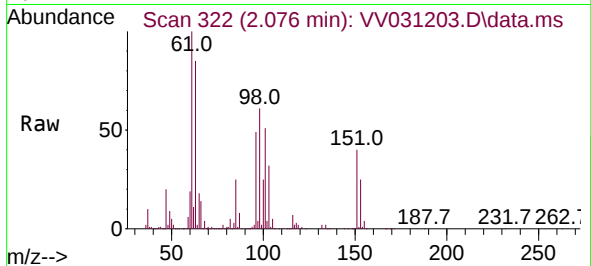
Tgt Ion:101 Resp: 59597

Ion Ratio Lower Upper

101 100

85 50.1 38.0 57.0

151 80.8 61.7 92.5



#12

1,1-Dichloroethene

Concen: 47.825 ug/L

RT: 2.076 min Scan# 322

Delta R.T. 0.003 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

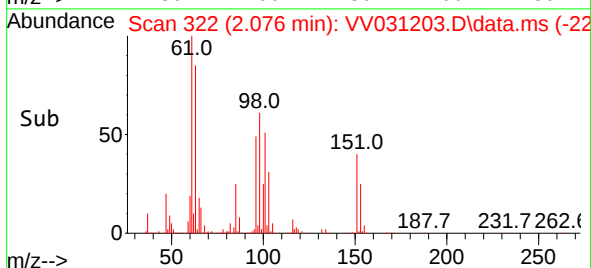
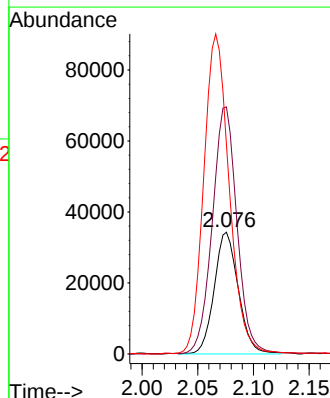
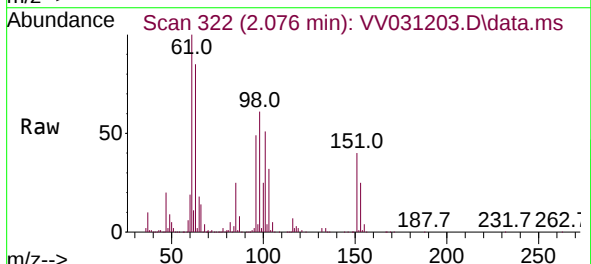
Tgt Ion: 96 Resp: 51663

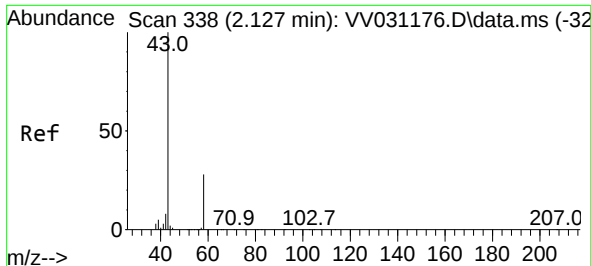
Ion Ratio Lower Upper

96 100

61 202.8 137.9 256.1

63 171.9 114.2 212.0





#13

Acetone

Concen: 63.530 ug/L

RT: 2.124 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

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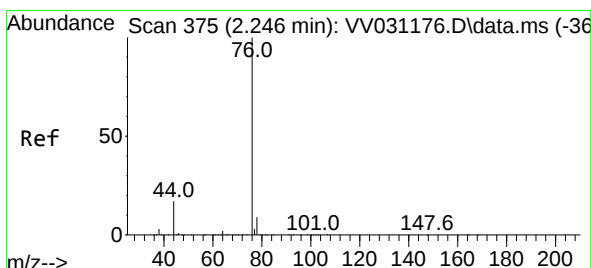
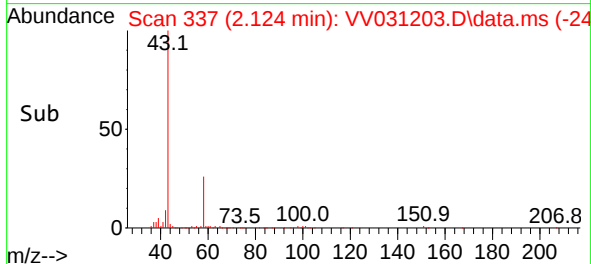
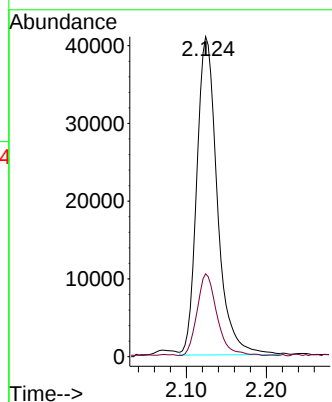
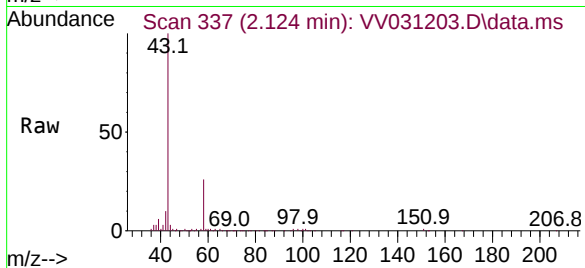
VSTD050352

Tgt Ion: 43 Resp: 73142

Ion Ratio Lower Upper

43 100

58 24.6 0.0 54.0



#14

Carbon disulfide

Concen: 46.132 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV031203.D

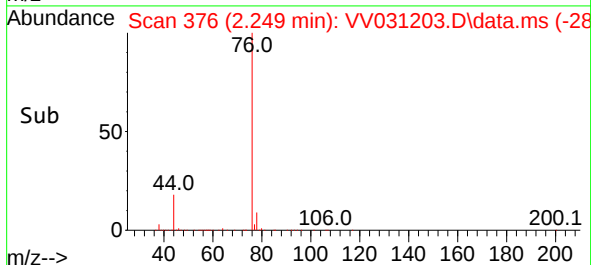
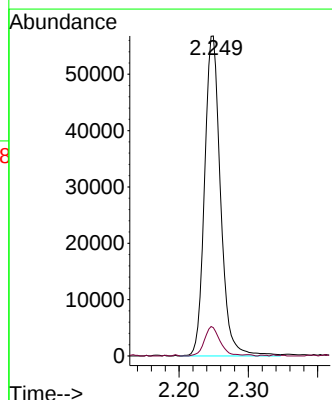
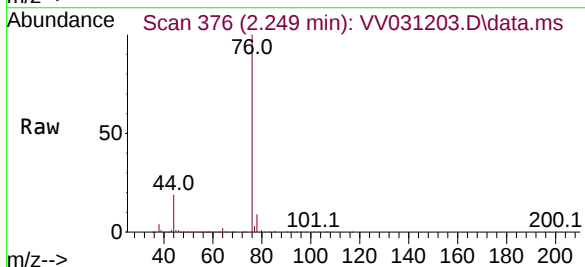
Acq: 23 May 2023 20:22

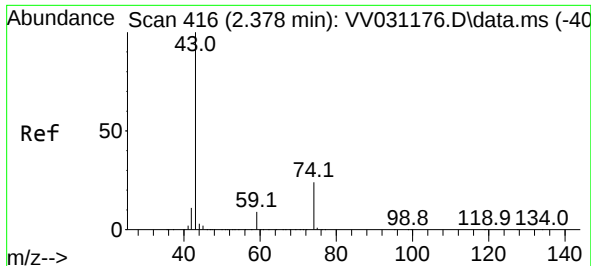
Tgt Ion: 76 Resp: 90813

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4

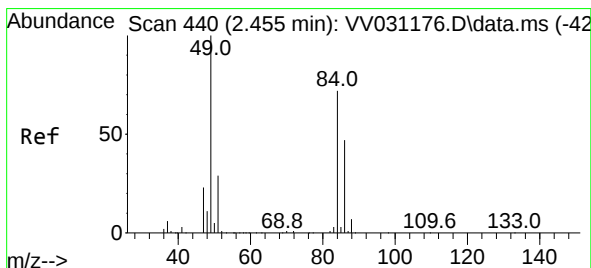
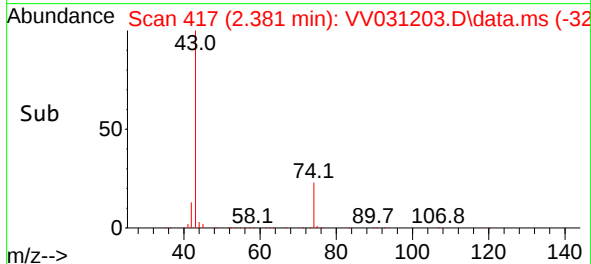
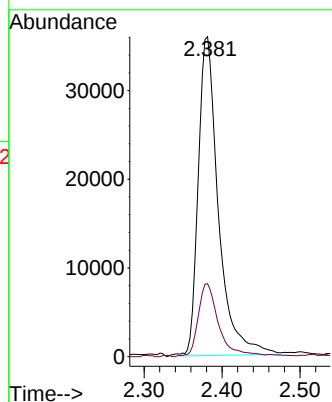
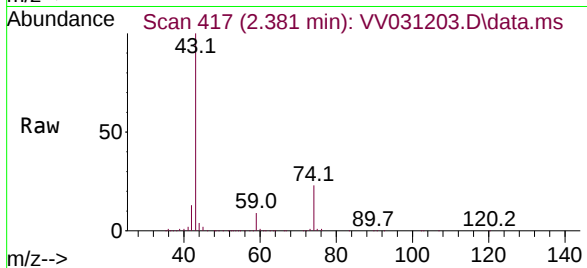




#15
Methyl Acetate
Concen: 49.306 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

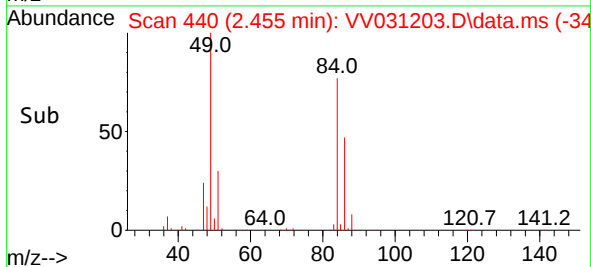
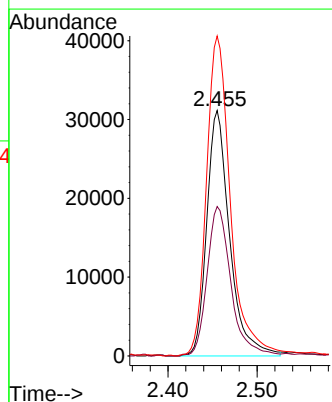
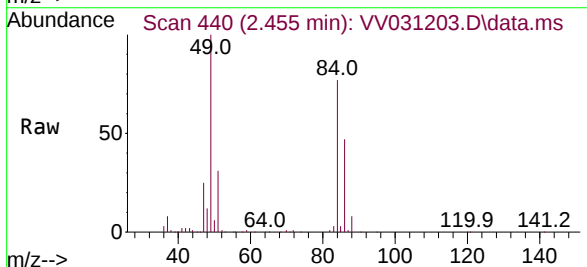
Instrument :
MSVOA_V
ClientSampleId :
VSTD050352

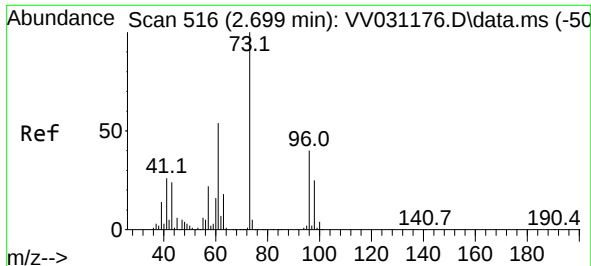
Tgt Ion: 43 Resp: 64516
Ion Ratio Lower Upper
43 100
74 23.3 18.1 27.1



#16
Methylene chloride
Concen: 46.225 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

Tgt Ion: 84 Resp: 55591
Ion Ratio Lower Upper
84 100
86 60.9 43.3 80.3
49 130.4 92.6 172.0

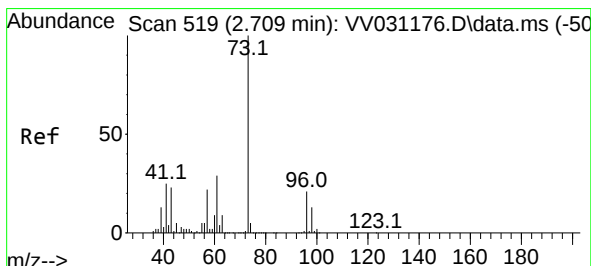
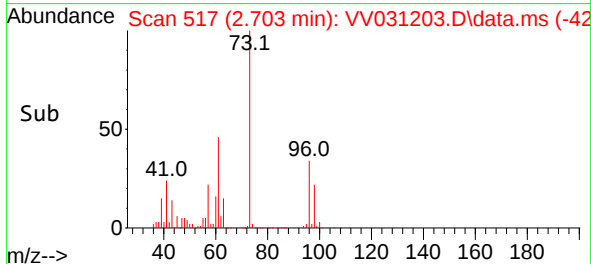
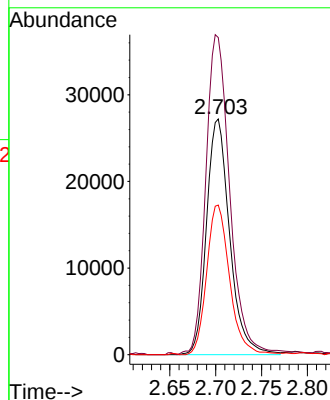
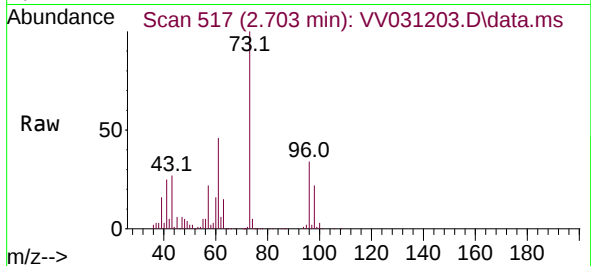




#17
trans-1,2-Dichloroethene
Concen: 47.807 ug/L
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

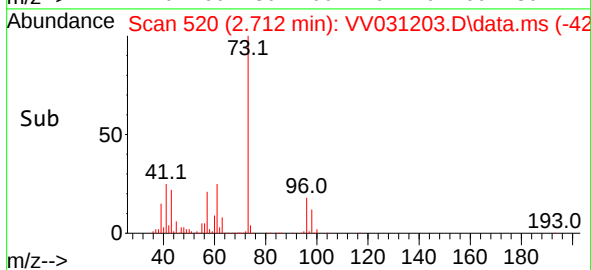
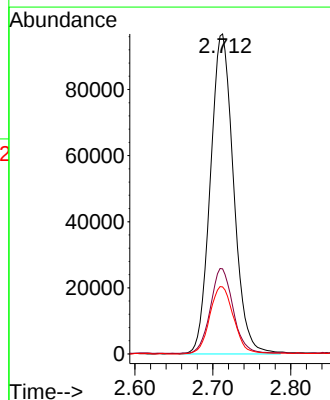
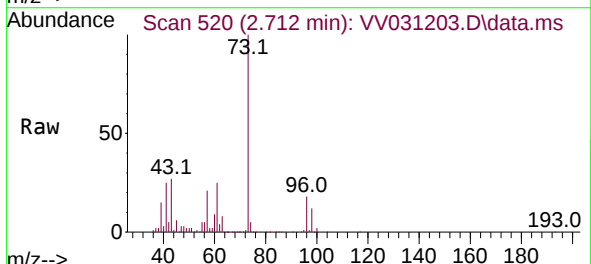
Instrument :
MSVOA_V
ClientSampleId :
VSTD050352

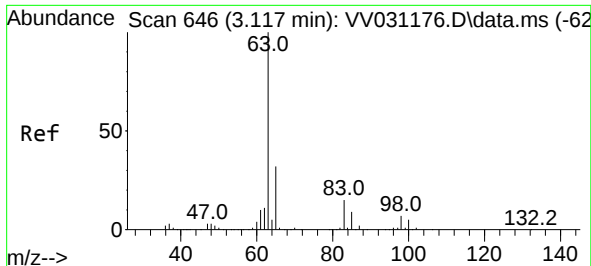
Tgt Ion: 96 Resp: 47748
Ion Ratio Lower Upper
96 100
61 134.6 100.0 185.6
98 63.5 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 51.900 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

Tgt Ion: 73 Resp: 200243
Ion Ratio Lower Upper
73 100
43 25.6 19.4 29.2
57 21.8 17.1 25.7





#19

1,1-Dichloroethane

Concen: 47.672 ug/L

RT: 3.118 min Scan# 646

Delta R.T. 0.000 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050352

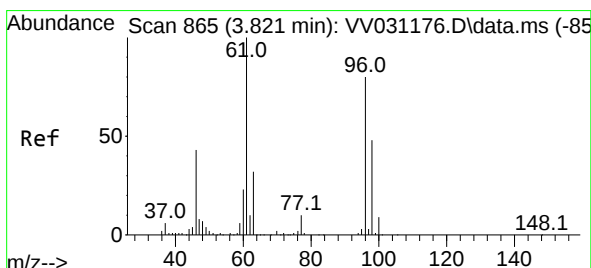
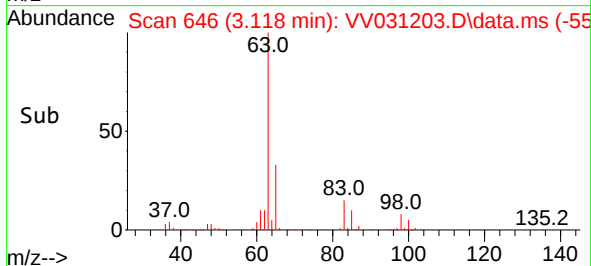
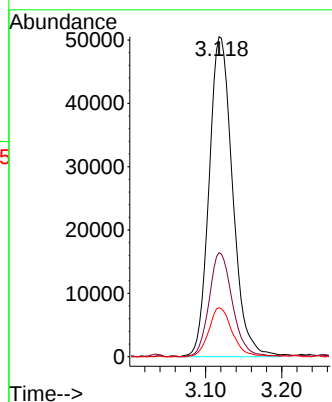
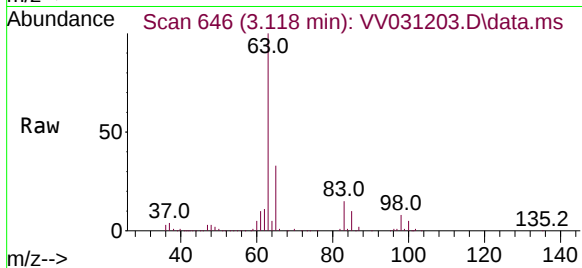
Tgt Ion: 63 Resp: 108508

Ion Ratio Lower Upper

63 100

65 32.5 21.9 40.7

83 15.3 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 47.937 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

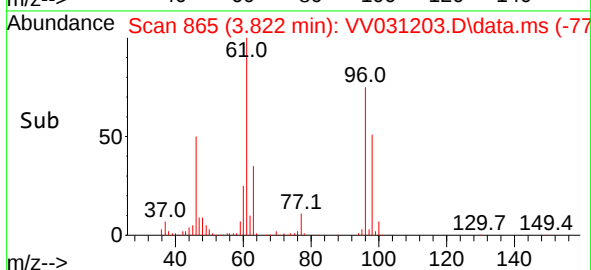
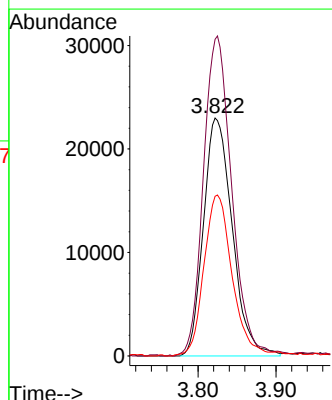
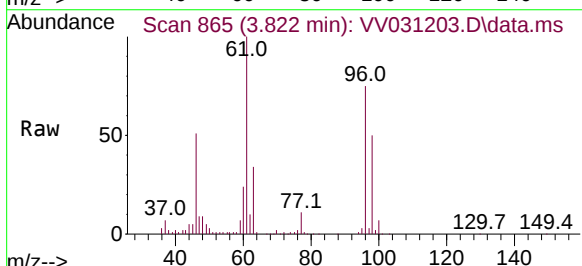
Tgt Ion: 96 Resp: 59021

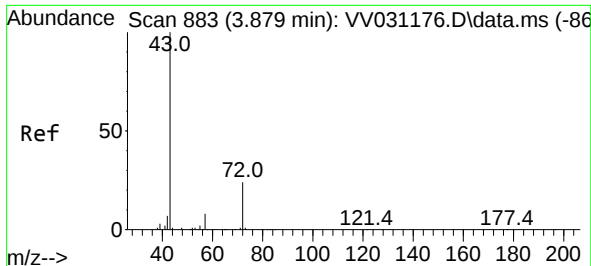
Ion Ratio Lower Upper

96 100

61 133.1 89.2 165.6

98 67.2 43.0 80.0





#22

2-Butanone

Concen: 79.522 ug/L

RT: 3.880 min Scan# 883

Delta R.T. 0.000 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

Instrument :

MSVOA_V

ClientSampleId :

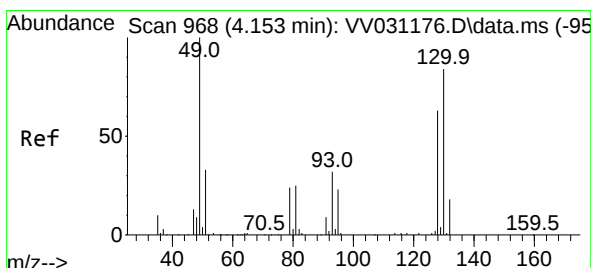
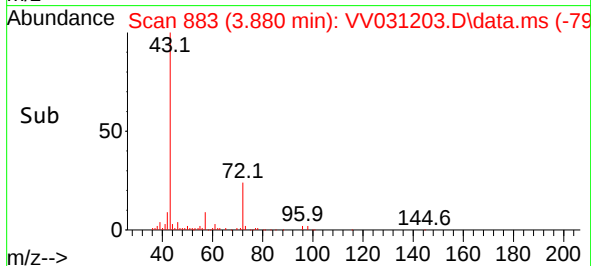
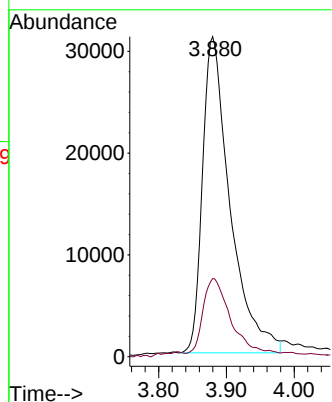
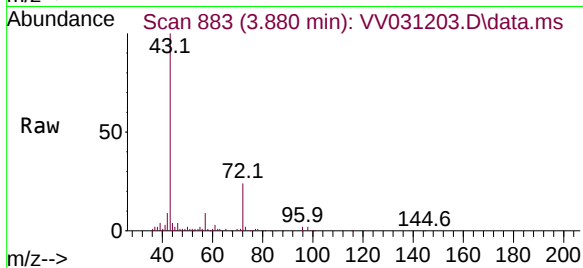
VSTD050352

Tgt Ion: 43 Resp: 87796

Ion Ratio Lower Upper

43 100

72 22.9 11.9 35.7



#23

Bromochloromethane

Concen: 49.520 ug/L

RT: 4.156 min Scan# 969

Delta R.T. 0.003 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

Tgt Ion:128 Resp: 33505

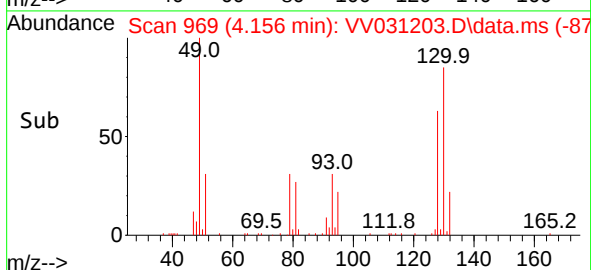
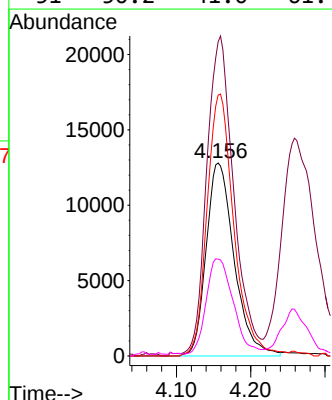
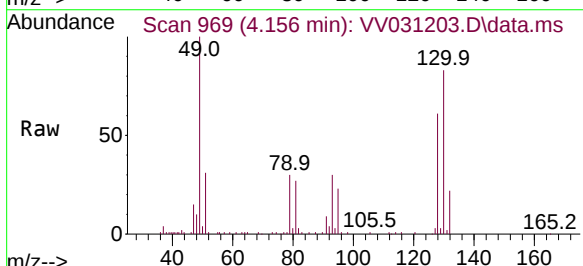
Ion Ratio Lower Upper

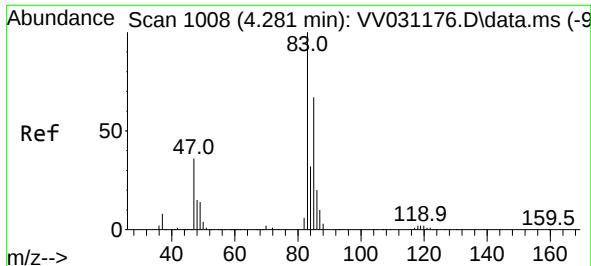
128 100

49 162.8 113.2 210.2

130 135.2 87.5 162.5

51 50.2 41.0 61.4

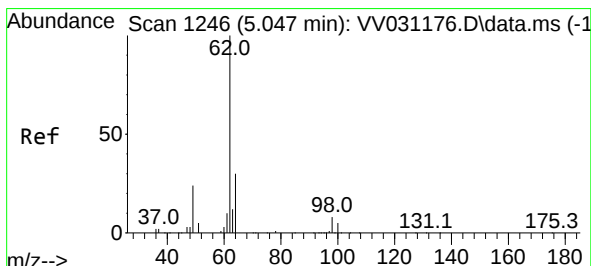
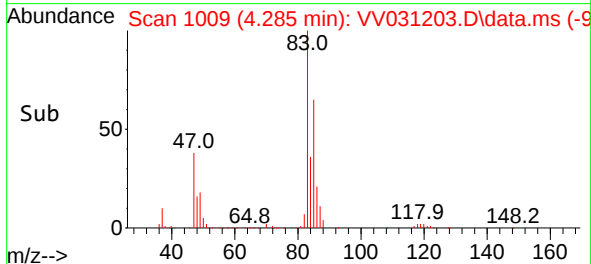
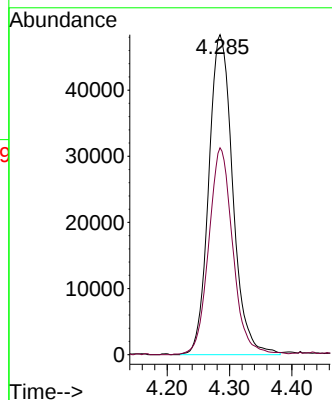
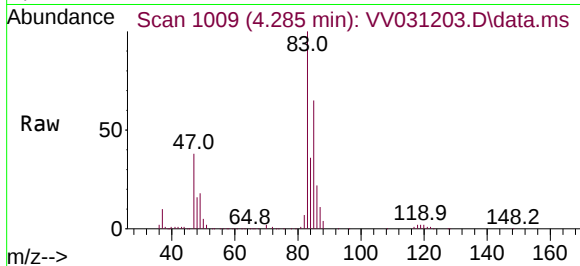




#25
Chloroform
Concen: 50.808 ug/L
RT: 4.285 min Scan# 1008
Delta R.T. 0.003 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

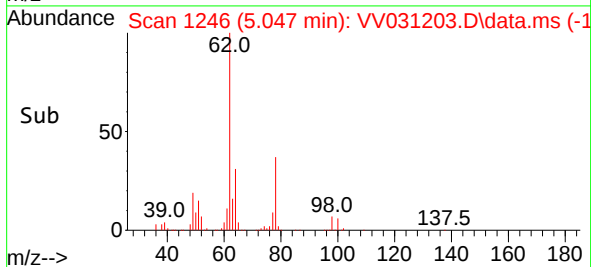
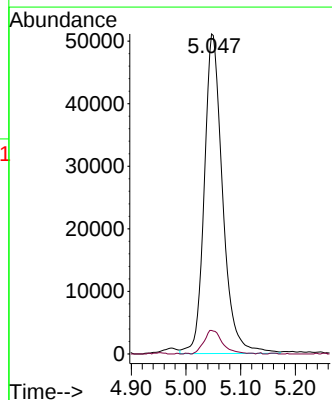
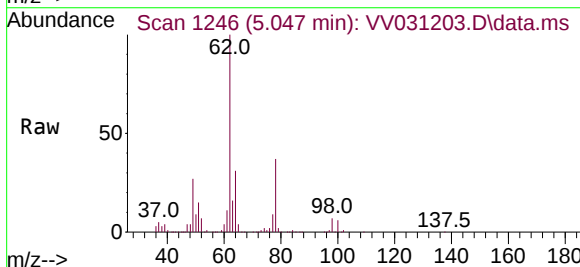
Instrument :
MSVOA_V
ClientSampleId :
VSTD050352

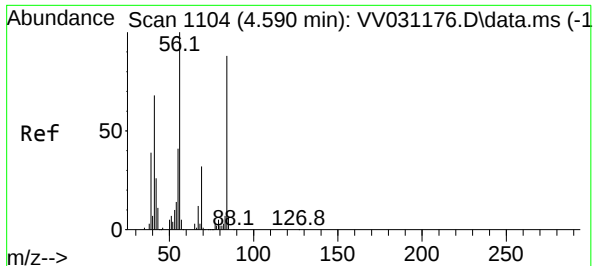
Tgt Ion: 83 Resp: 129189
Ion Ratio Lower Upper
83 100
85 64.6 47.3 87.9



#27
1,2-Dichloroethane
Concen: 55.166 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.000 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

Tgt Ion: 62 Resp: 119012
Ion Ratio Lower Upper
62 100
98 7.4 6.3 9.5





#29

Cyclohexane

Concen: 44.877 ug/L

RT: 4.593 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050352

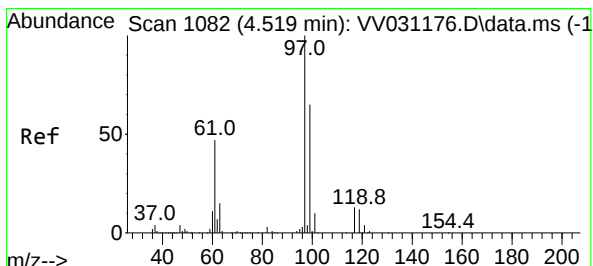
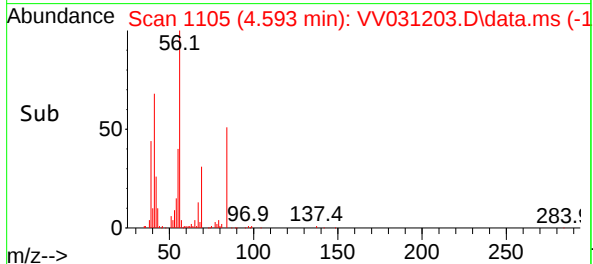
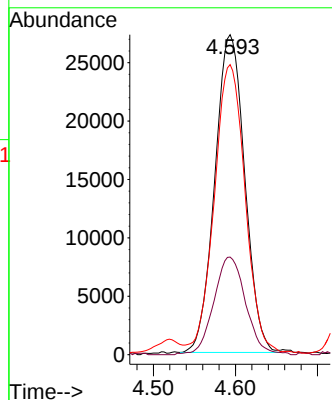
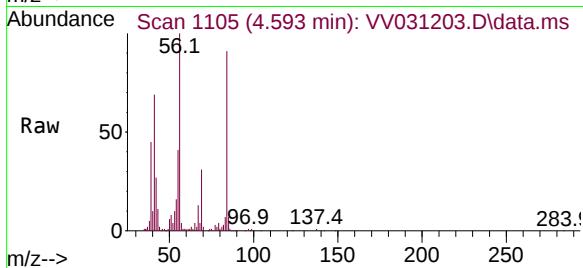
Tgt Ion: 56 Resp: 69059

Ion Ratio Lower Upper

56 100

69 31.9 25.1 37.7

84 91.8 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 49.546 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

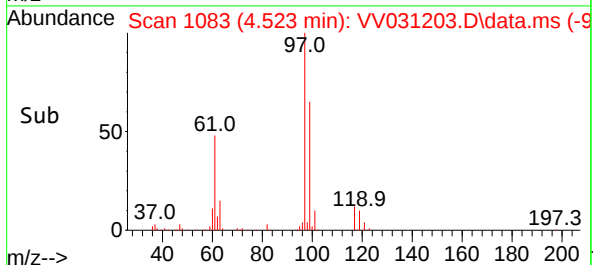
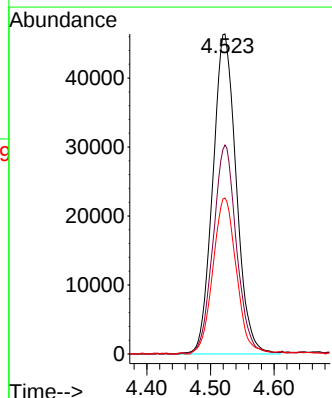
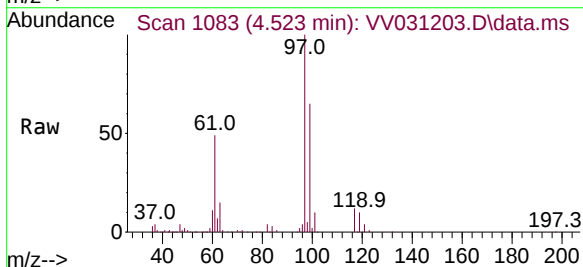
Tgt Ion: 97 Resp: 118897

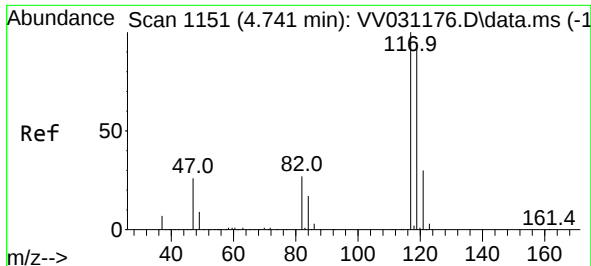
Ion Ratio Lower Upper

97 100

99 64.5 51.9 77.9

61 48.8 38.2 57.2

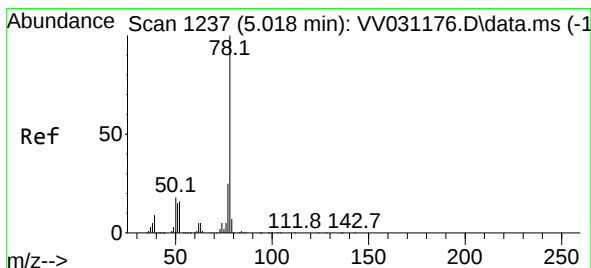
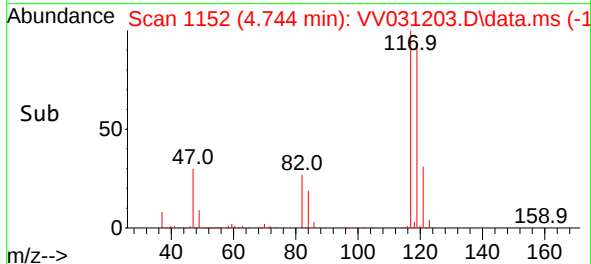
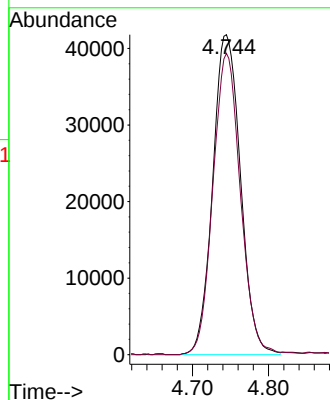
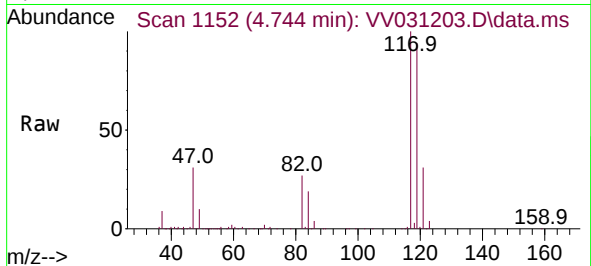




#31
Carbon tetrachloride
Concen: 50.642 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

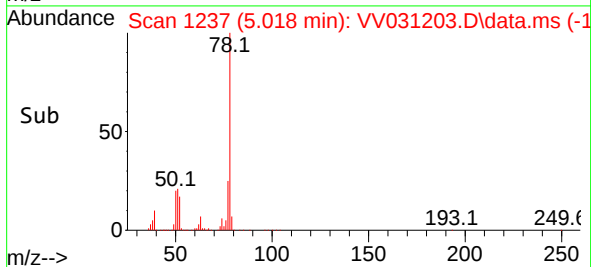
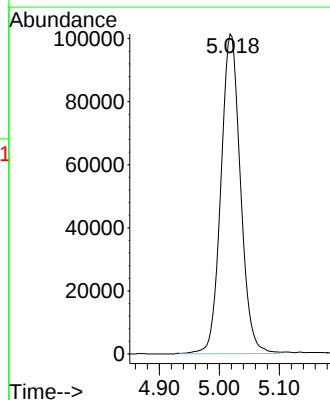
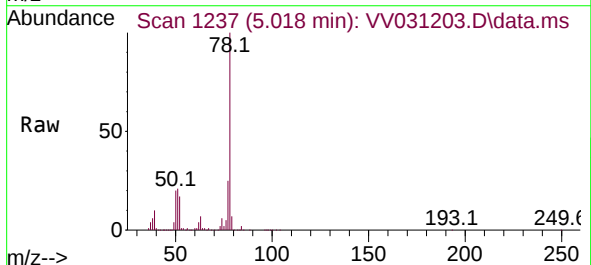
Instrument :
MSVOA_V
ClientSampleId :
VSTD050352

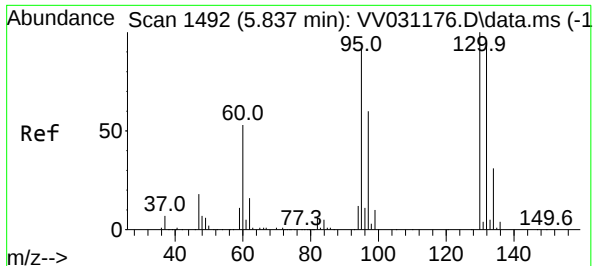
Tgt Ion:117 Resp: 105872
Ion Ratio Lower Upper
117 100
119 93.4 76.9 115.3



#33
Benzene
Concen: 48.891 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

Tgt Ion: 78 Resp: 229056



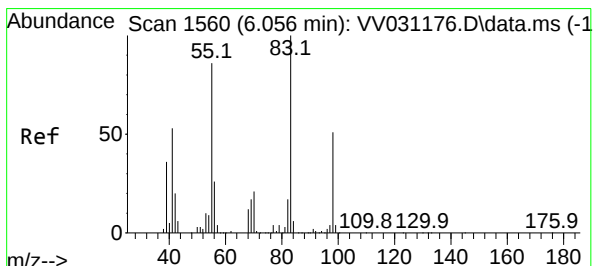
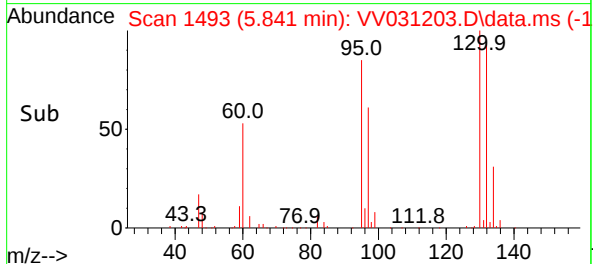
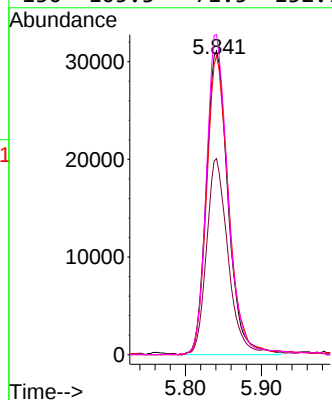
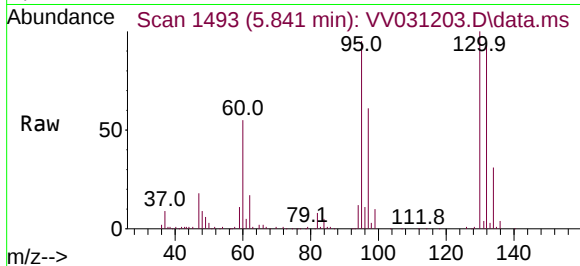


#34
Trichloroethene
Concen: 49.444 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD050352

Tgt Ion: 95 Resp: 62069

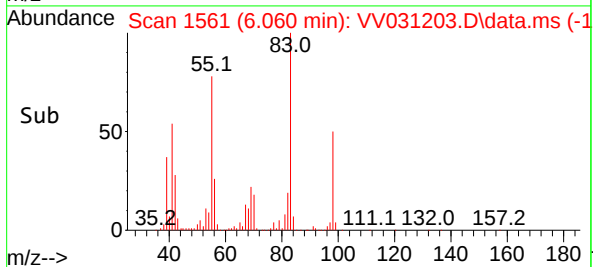
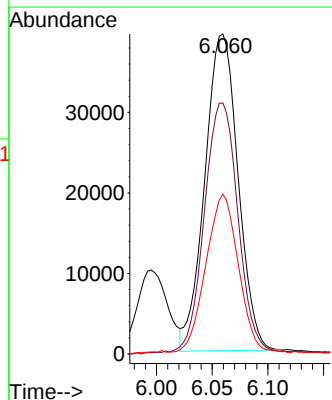
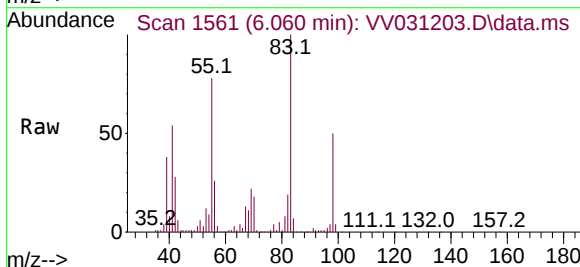
Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.4	82.5
132	98.4	70.2	130.4
130	105.3	71.5	132.7

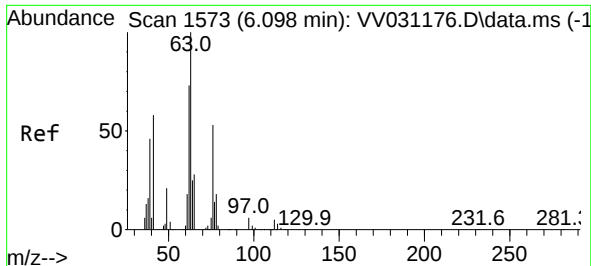


#35
Methylcyclohexane
Concen: 49.020 ug/L
RT: 6.060 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

Tgt Ion: 83 Resp: 81656

Ion	Ratio	Lower	Upper
83	100		
55	79.1	64.2	96.2
98	49.1	40.0	60.0





#37

1,2-Dichloropropane

Concen: 51.079 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

Instrument :

MSVOA_V

ClientSampleId :

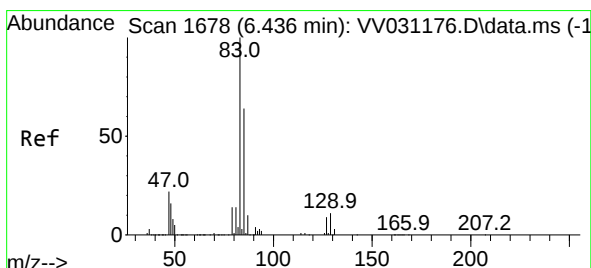
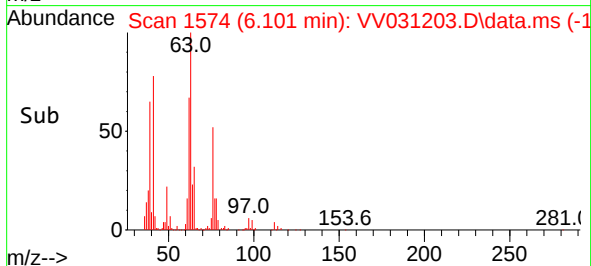
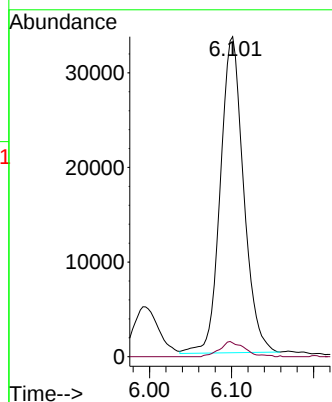
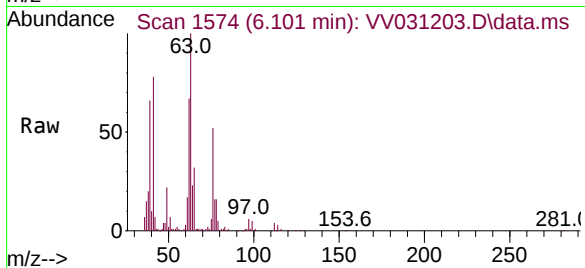
VSTD050352

Tgt Ion: 63 Resp: 65866

Ion Ratio Lower Upper

63 100

112 4.9 4.3 6.5



#38

Bromodichloromethane

Concen: 50.763 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

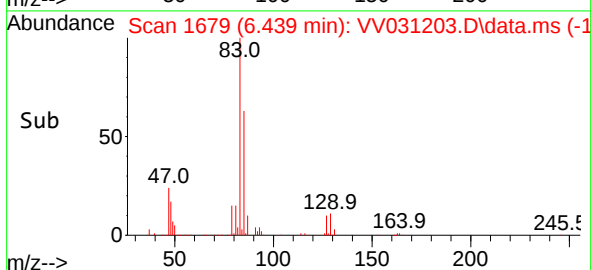
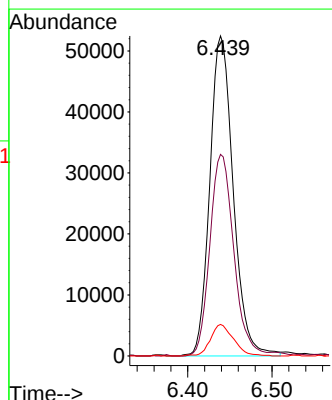
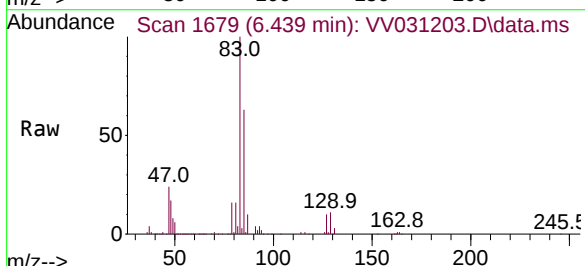
Tgt Ion: 83 Resp: 101472

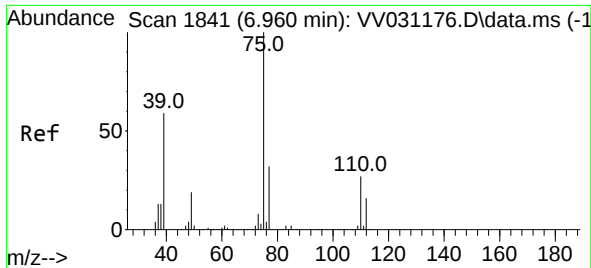
Ion Ratio Lower Upper

83 100

85 63.0 44.0 81.6

127 9.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 51.707 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

Instrument :

MSVOA_V

ClientSampleId :

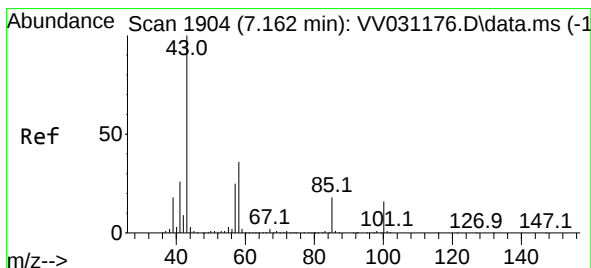
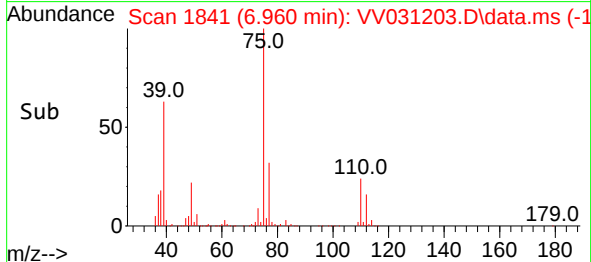
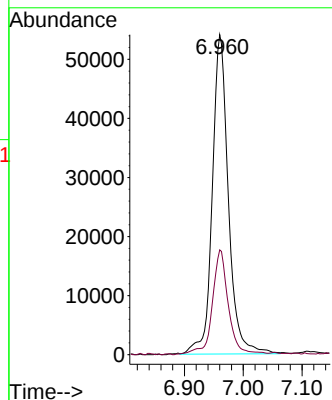
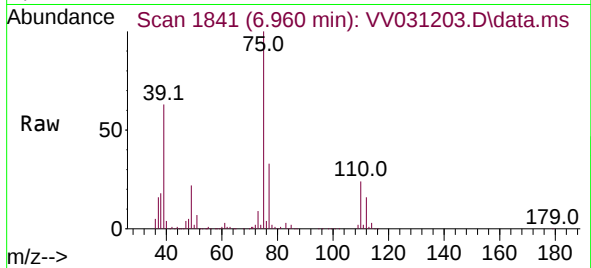
VSTD050352

Tgt Ion: 75 Resp: 102816

Ion Ratio Lower Upper

75 100

77 32.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 102.360 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

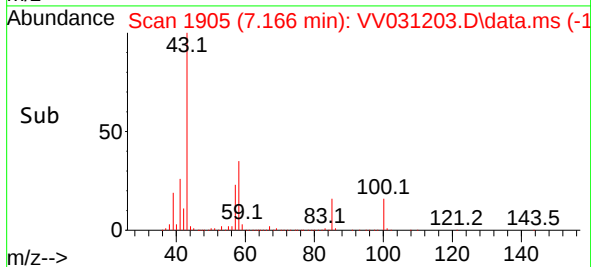
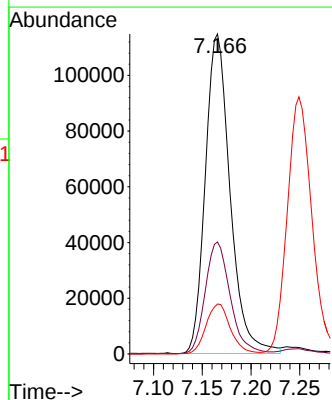
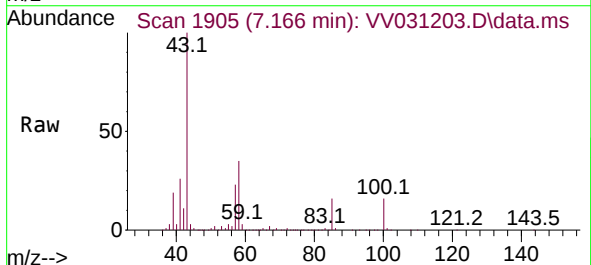
Tgt Ion: 43 Resp: 203110

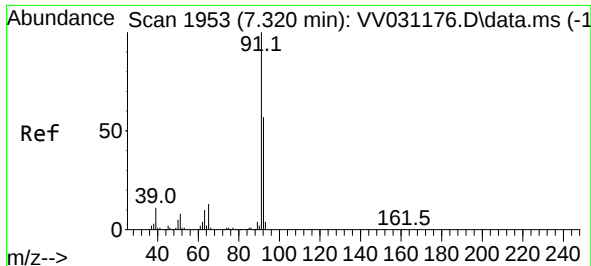
Ion Ratio Lower Upper

43 100

58 35.4 29.0 43.4

100 15.5 12.2 18.4





#42

Toluene

Concen: 54.241 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

Instrument :

MSVOA_V

ClientSampleId :

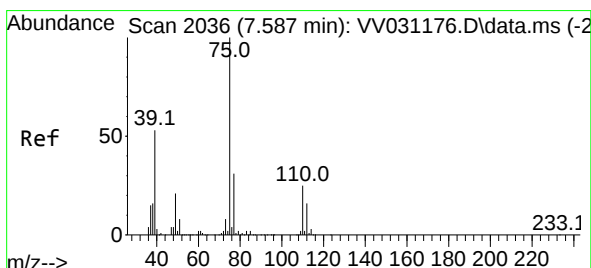
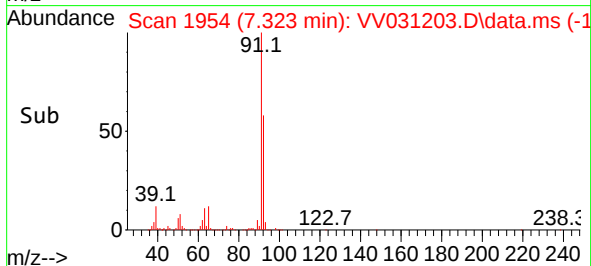
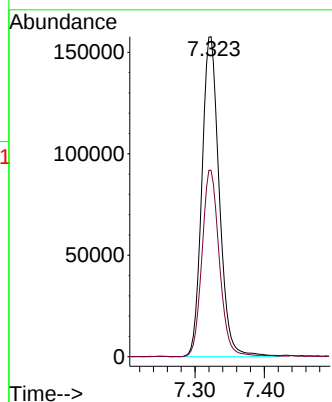
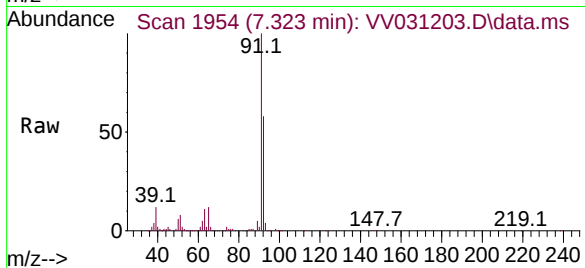
VSTD050352

Tgt Ion: 91 Resp: 274939

Ion Ratio Lower Upper

91 100

92 58.3 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 52.775 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031203.D

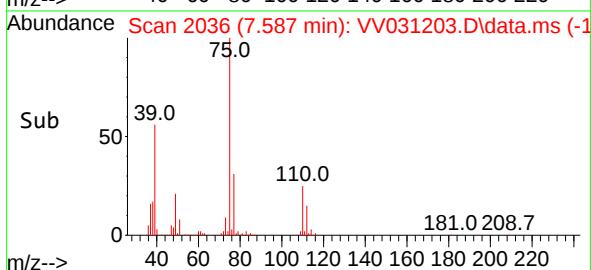
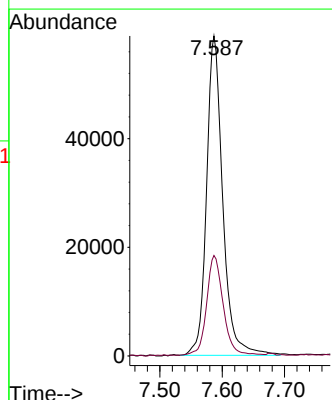
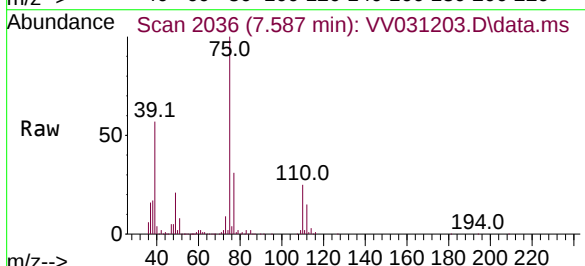
Acq: 23 May 2023 20:22

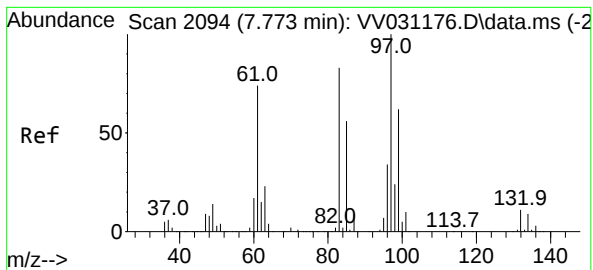
Tgt Ion: 75 Resp: 106158

Ion Ratio Lower Upper

75 100

77 31.4 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 51.830 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.000 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050352

Tgt Ion: 97 Resp: 72931

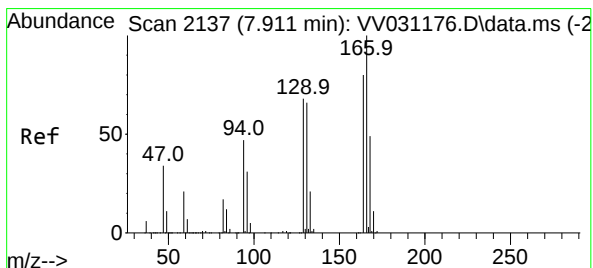
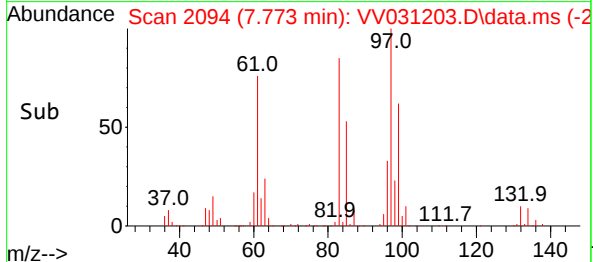
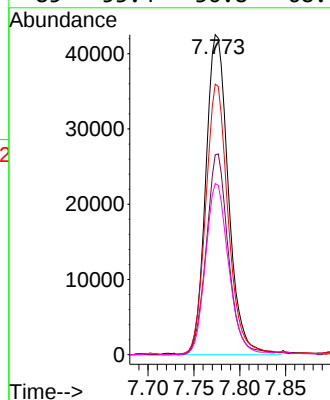
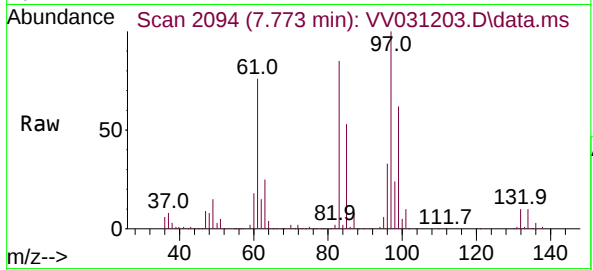
Ion Ratio Lower Upper

97 100

99 62.5 43.2 80.2

83 84.6 60.5 112.3

85 53.4 36.8 68.4



#46

Tetrachloroethene

Concen: 50.984 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

Tgt Ion:164 Resp: 54957

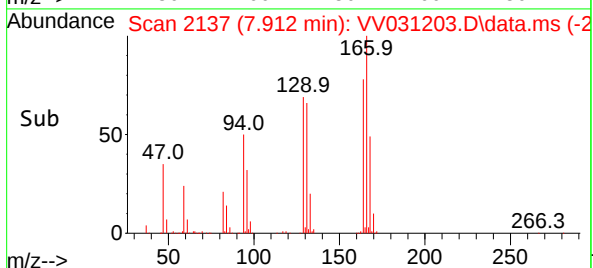
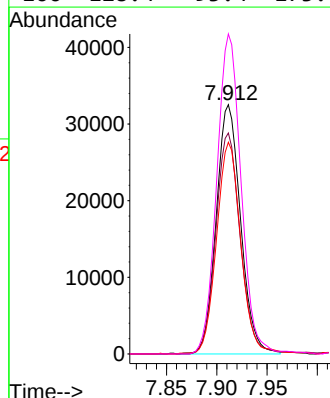
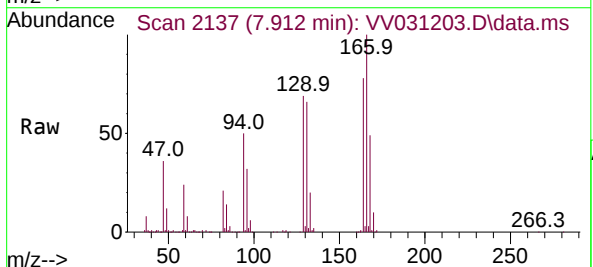
Ion Ratio Lower Upper

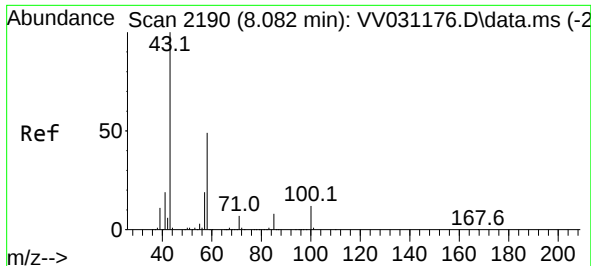
164 100

129 88.7 65.5 121.7

131 84.9 62.1 115.3

166 128.4 93.4 173.4

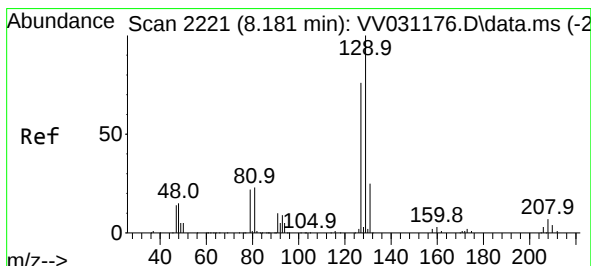
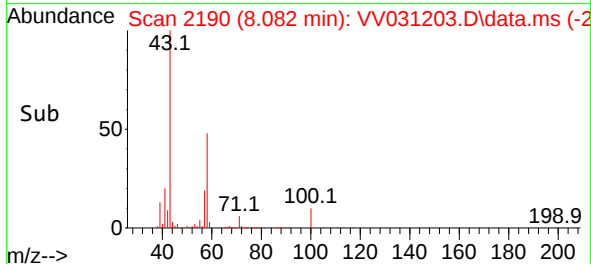
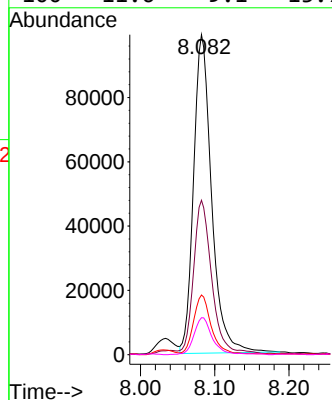
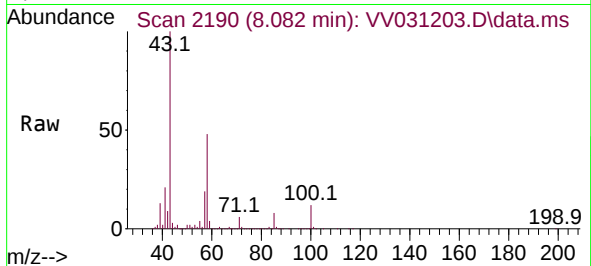




#48
2-Hexanone
Concen: 101.540 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

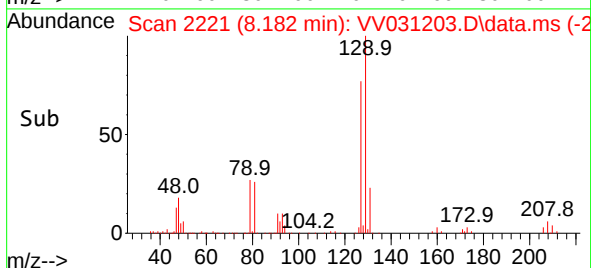
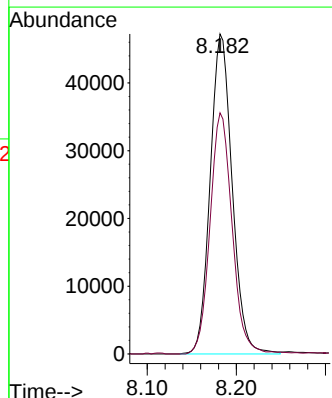
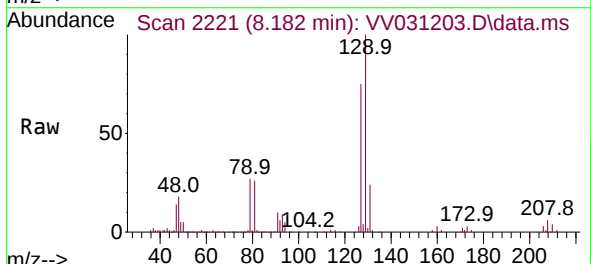
Instrument :
MSVOA_V
ClientSampleId :
VSTD050352

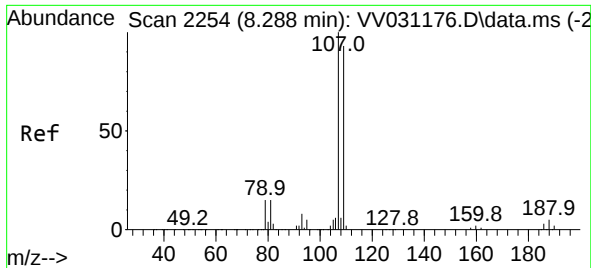
Tgt Ion: 43 Resp: 167815
Ion Ratio Lower Upper
43 100
58 45.1 39.8 59.6
57 17.0 14.4 21.6
100 11.6 9.1 13.7



#49
Dibromochloromethane
Concen: 50.961 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

Tgt Ion: 129 Resp: 80907
Ion Ratio Lower Upper
129 100
127 75.4 56.1 104.1

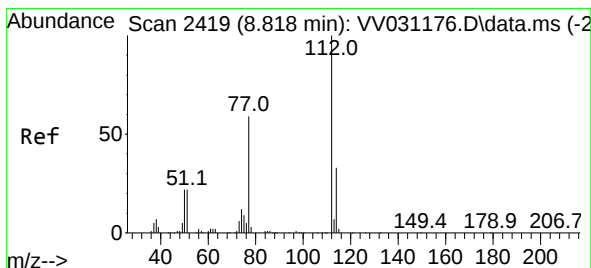
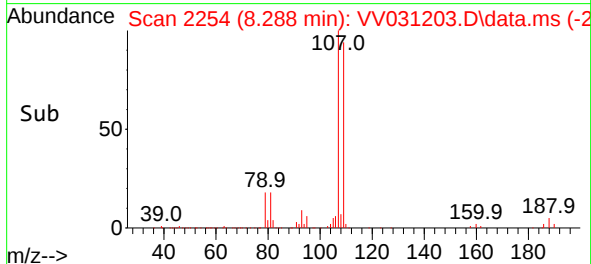
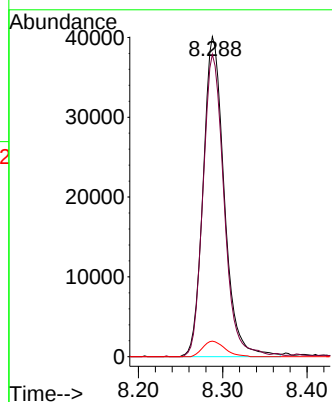
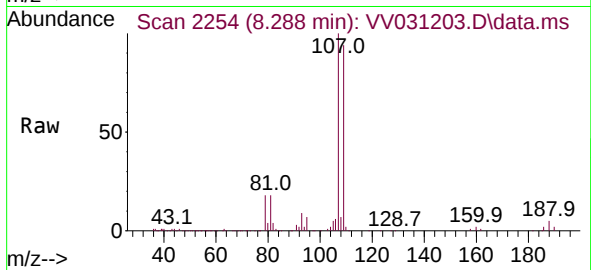




#50
 1,2-Dibromoethane
 Concen: 50.015 ug/L
 RT: 8.288 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031203.D
 Acq: 23 May 2023 20:22

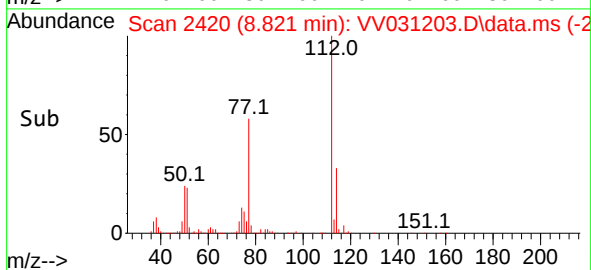
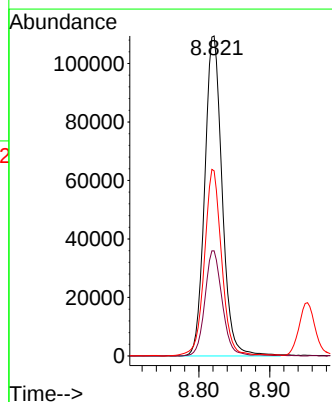
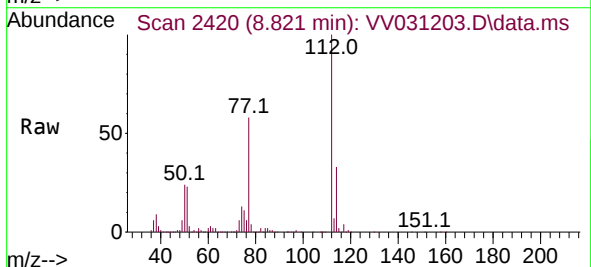
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050352

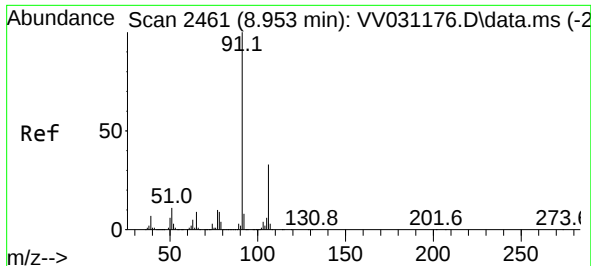
Tgt Ion:107 Resp: 69971
 Ion Ratio Lower Upper
 107 100
 109 94.5 65.6 121.8
 188 4.9 3.8 5.6



#51
 Chlorobenzene
 Concen: 51.717 ug/L
 RT: 8.821 min Scan# 2420
 Delta R.T. 0.003 min
 Lab File: VV031203.D
 Acq: 23 May 2023 20:22

Tgt Ion:112 Resp: 186584
 Ion Ratio Lower Upper
 112 100
 114 32.8 23.0 42.8
 77 57.8 46.2 69.4

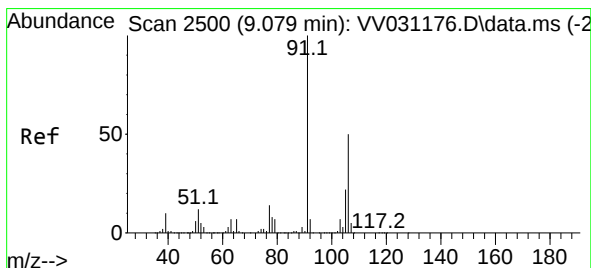
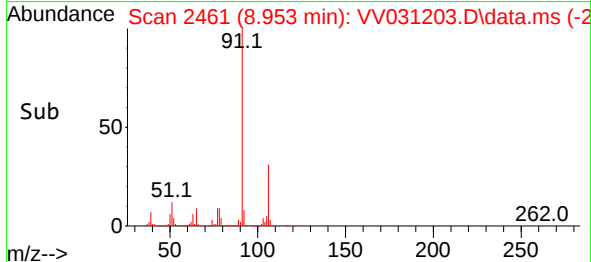
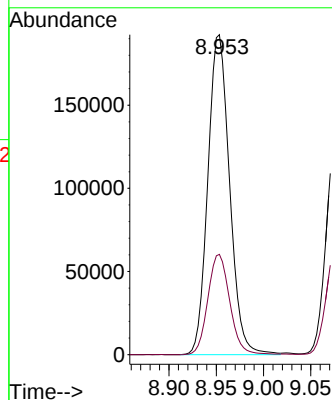
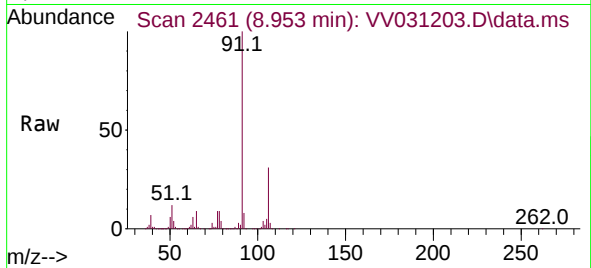




#52
Ethylbenzene
Concen: 53.023 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

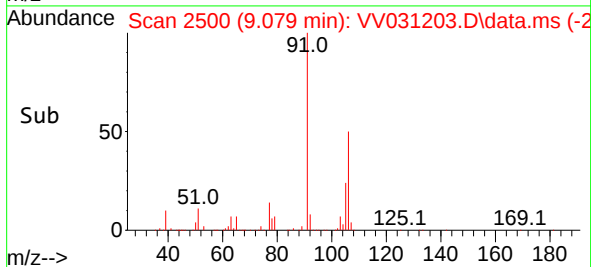
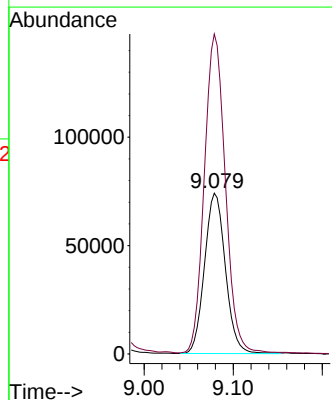
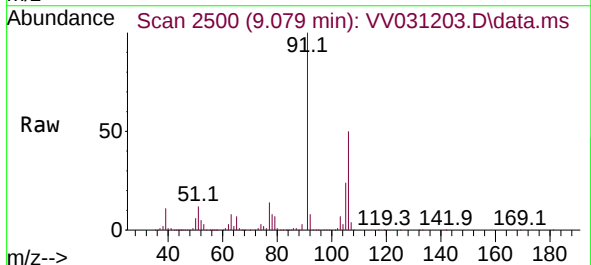
Instrument :
MSVOA_V
ClientSampleId :
VSTD050352

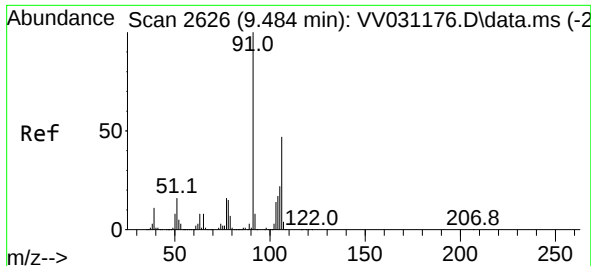
Tgt Ion: 91 Resp: 307719
Ion Ratio Lower Upper
91 100
106 31.3 21.5 39.9



#53
m,p-Xylene
Concen: 53.480 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

Tgt Ion: 106 Resp: 120394
Ion Ratio Lower Upper
106 100
91 199.0 145.3 269.8

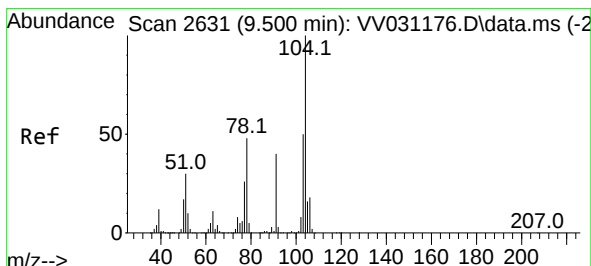
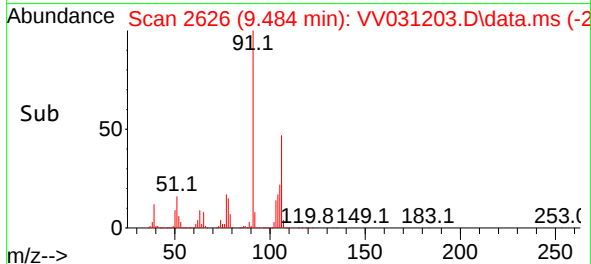
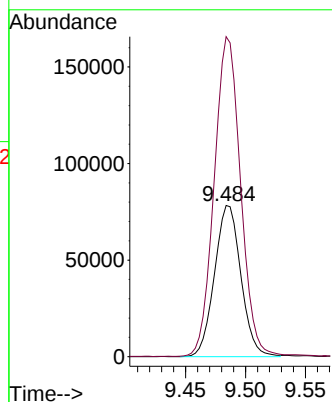
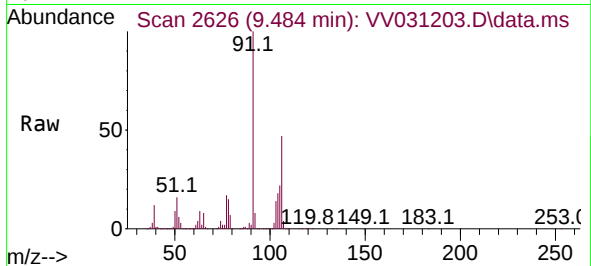




#54
o-Xylene
Concen: 53.900 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

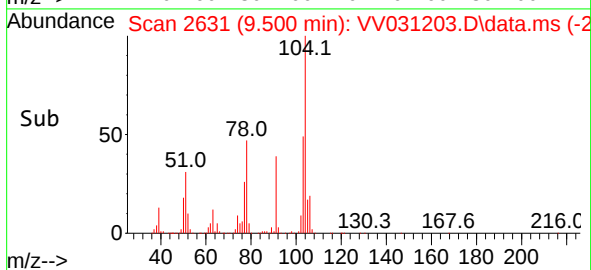
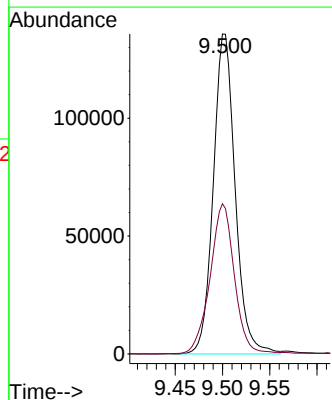
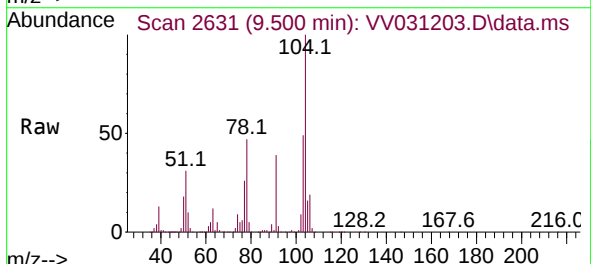
Instrument :
MSVOA_V
ClientSampleId :
VSTD050352

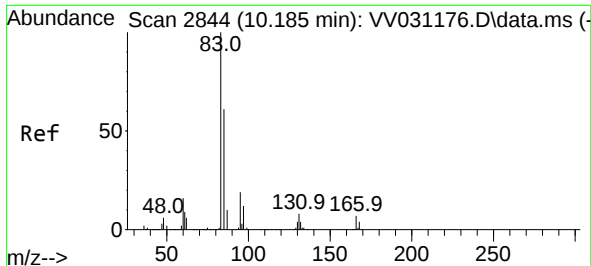
Tgt Ion:106 Resp: 119702
Ion Ratio Lower Upper
106 100
91 211.7 150.4 279.2



#55
Styrene
Concen: 55.647 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

Tgt Ion:104 Resp: 218565
Ion Ratio Lower Upper
104 100
78 46.9 33.2 61.6

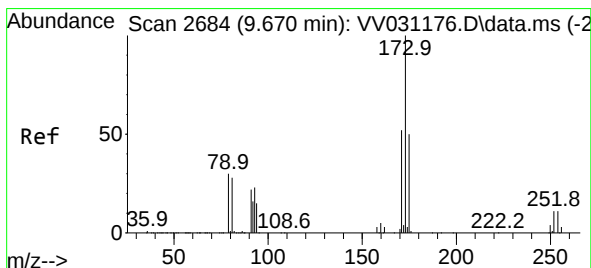
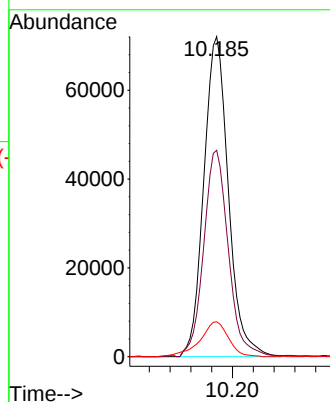
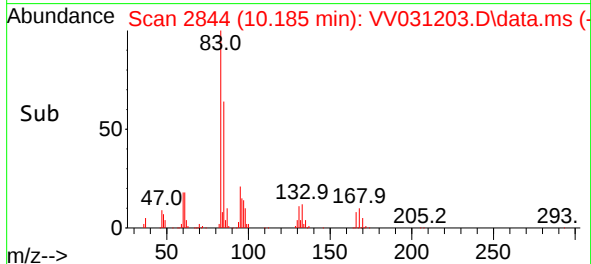
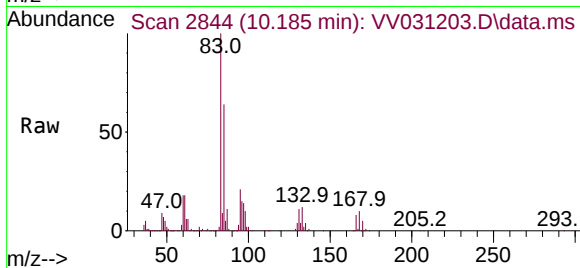




#57
1,1,2,2-Tetrachloroethane
Concen: 51.119 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

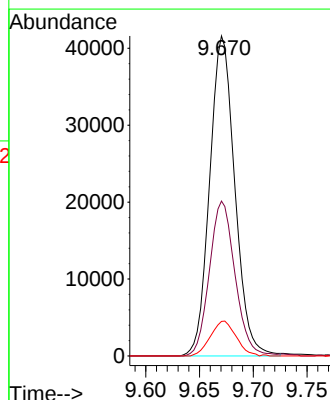
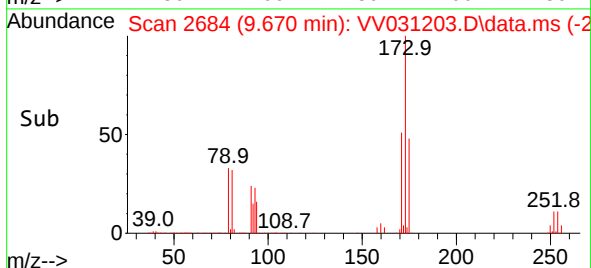
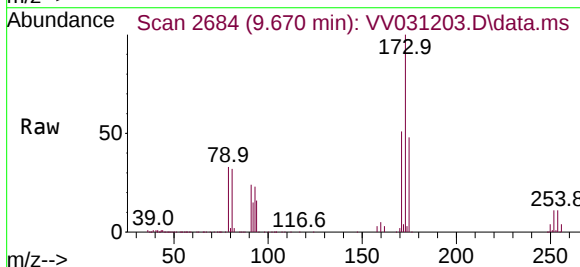
Instrument :
MSVOA_V
ClientSampleId :
VSTD050352

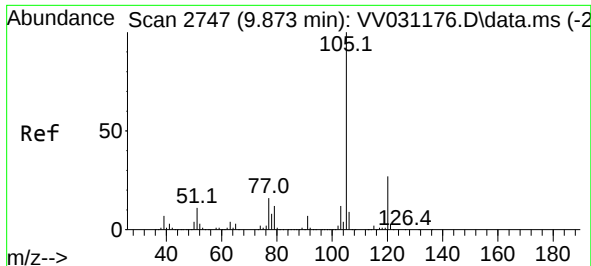
Tgt Ion: 83 Resp: 118187
Ion Ratio Lower Upper
83 100
85 64.5 45.0 83.6
131 10.9 9.2 13.8



#59
Bromoform
Concen: 49.097 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

Tgt Ion: 173 Resp: 67681
Ion Ratio Lower Upper
173 100
175 49.2 38.8 58.2
254 11.1 8.8 13.2

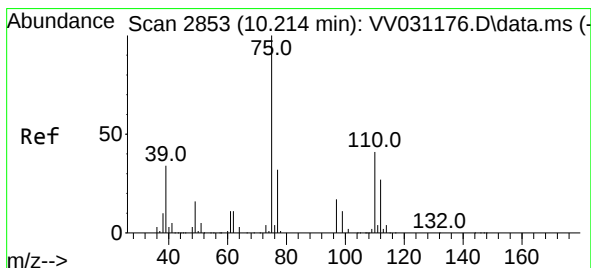
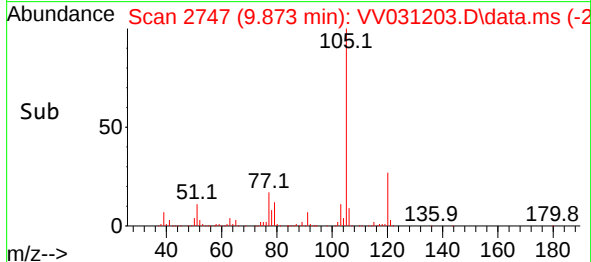
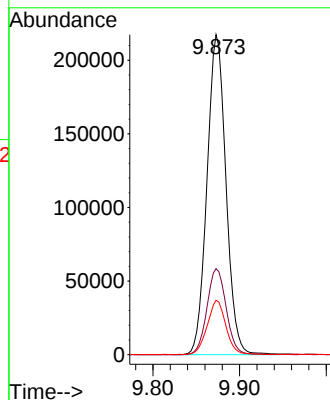
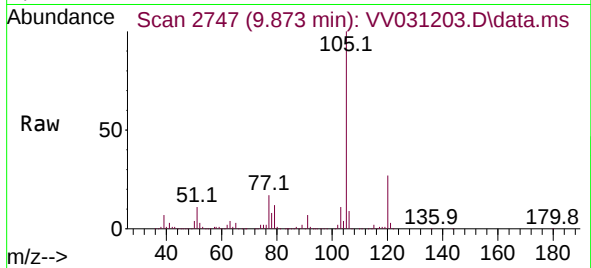




#60
Isopropylbenzene
Concen: 52.075 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

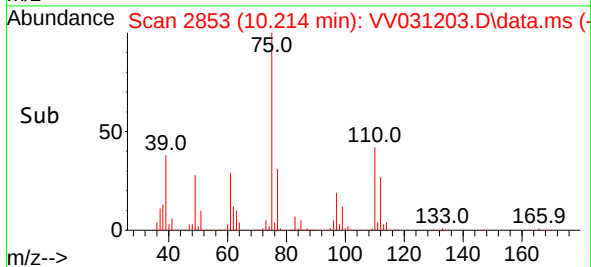
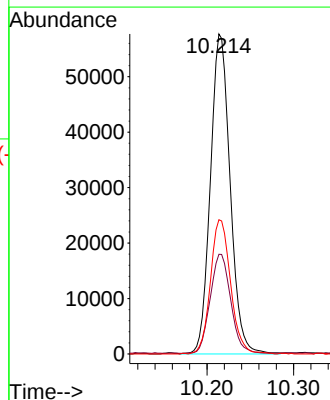
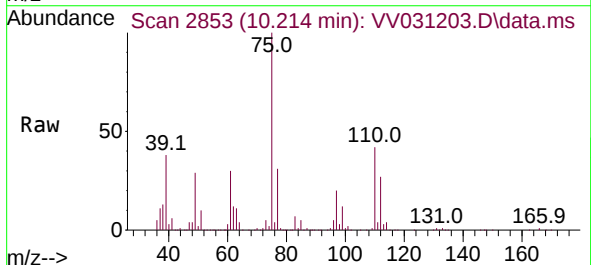
Instrument :
MSVOA_V
ClientSampleId :
VSTD050352

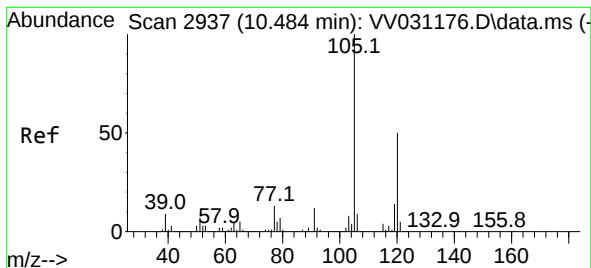
Tgt Ion:105 Resp: 331101
Ion Ratio Lower Upper
105 100
120 27.2 21.4 32.0
77 16.7 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 49.990 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031203.D
Acq: 23 May 2023 20:22

Tgt Ion: 75 Resp: 91427
Ion Ratio Lower Upper
75 100
77 32.0 25.5 38.3
110 42.7 32.5 48.7





#62

1,3,5-Trimethylbenzene

Concen: 50.427 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

Instrument :

MSVOA_V

ClientSampleId :

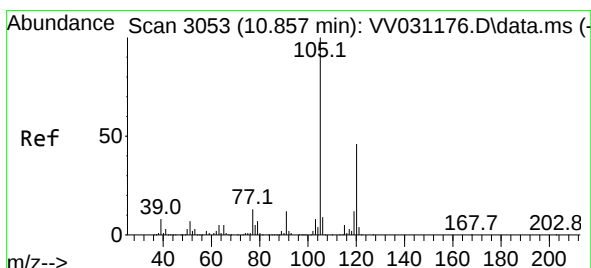
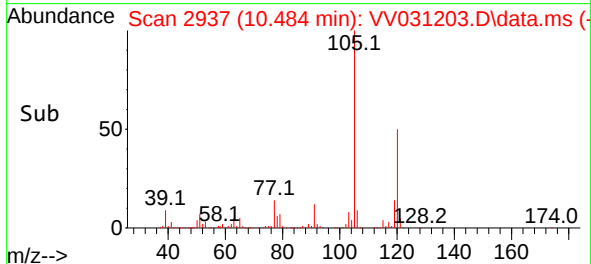
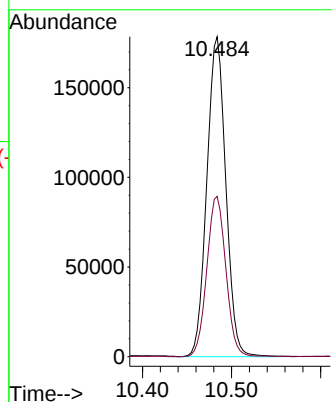
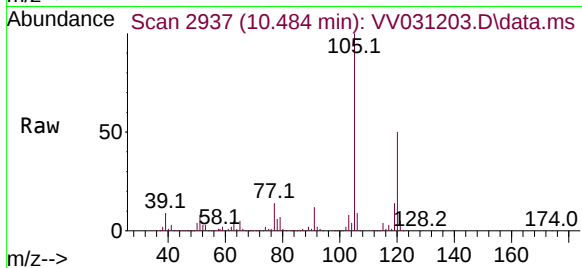
VSTD050352

Tgt Ion:105 Resp: 263549

Ion Ratio Lower Upper

105 100

120 50.2 40.5 60.7



#63

1,2,4-Trimethylbenzene

Concen: 52.683 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031203.D

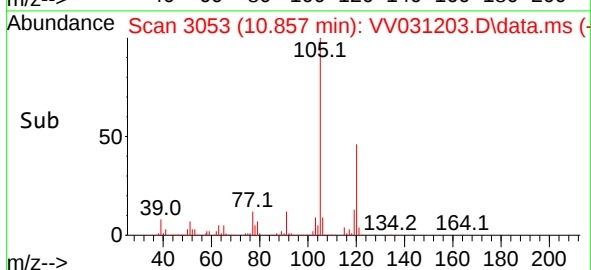
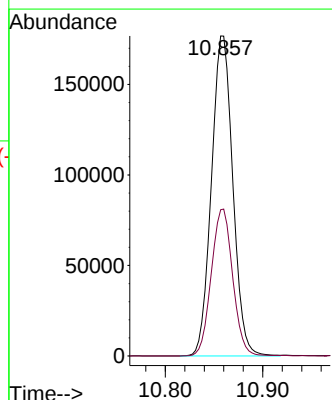
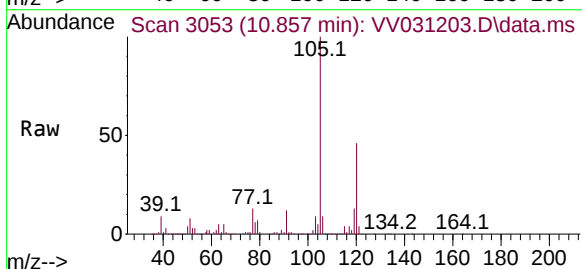
Acq: 23 May 2023 20:22

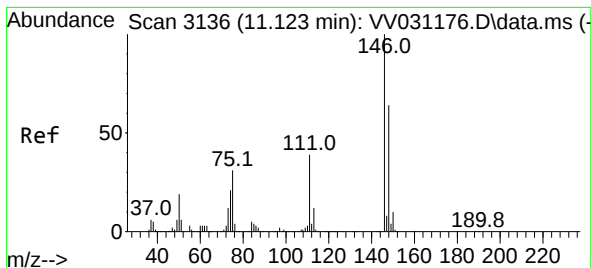
Tgt Ion:105 Resp: 269219

Ion Ratio Lower Upper

105 100

120 46.0 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 52.518 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050352

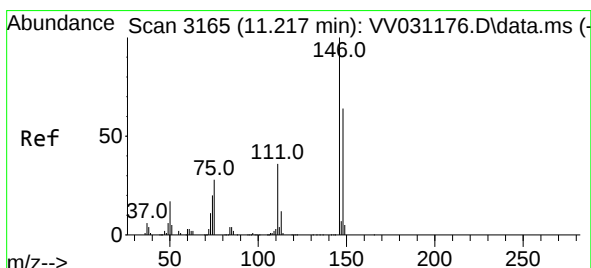
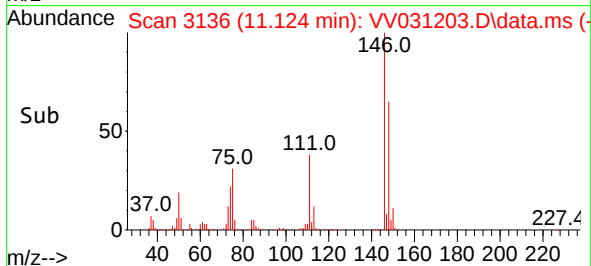
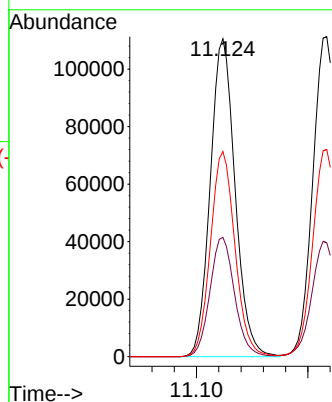
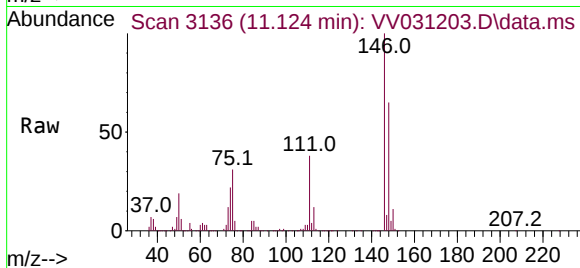
Tgt Ion:146 Resp: 171097

Ion Ratio Lower Upper

146 100

111 37.6 27.2 50.4

148 64.5 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 51.634 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

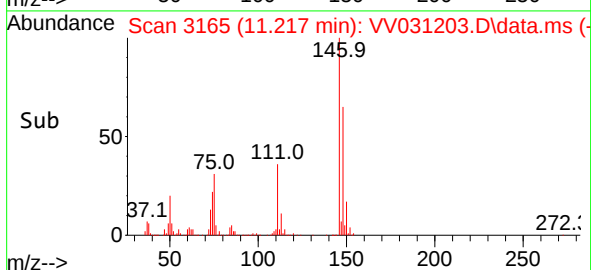
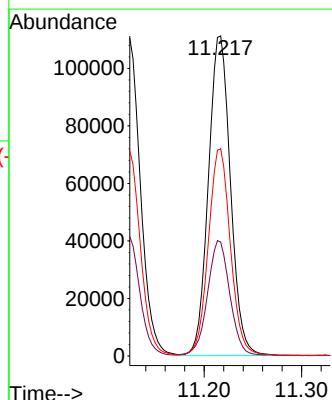
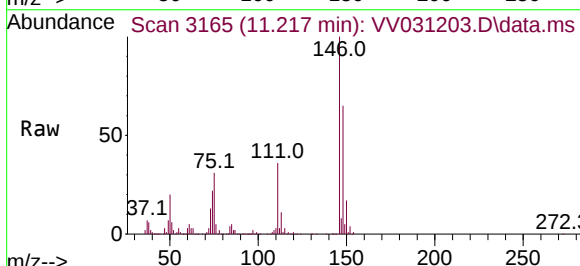
Tgt Ion:146 Resp: 174999

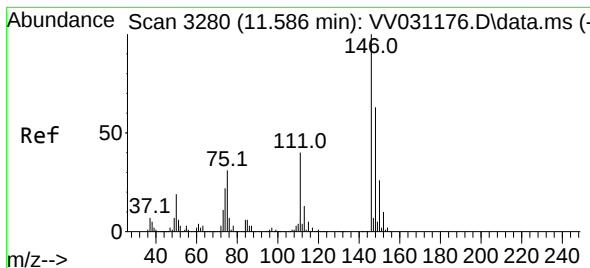
Ion Ratio Lower Upper

146 100

111 35.6 25.5 47.3

148 64.8 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 52.752 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050352

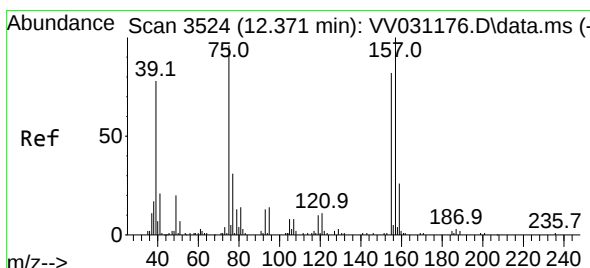
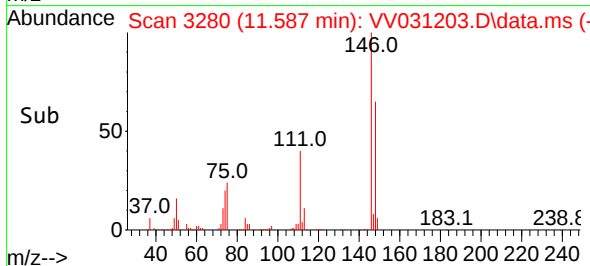
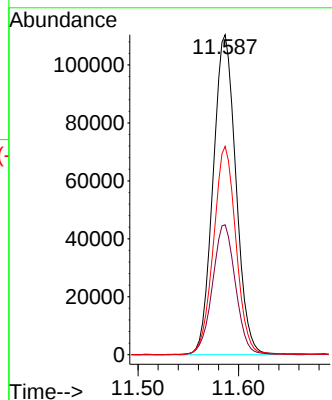
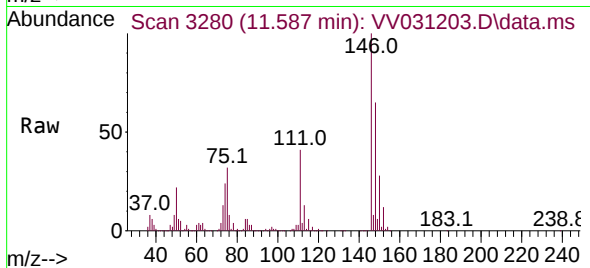
Tgt Ion:146 Resp: 174379

Ion Ratio Lower Upper

146 100

111 40.6 31.4 47.2

148 65.1 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 48.441 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

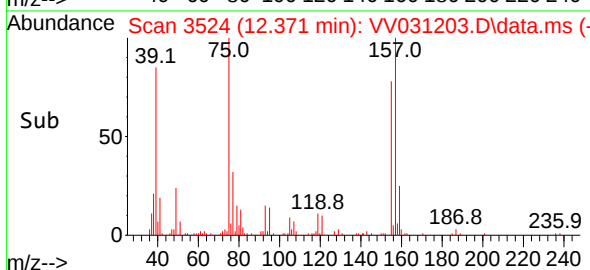
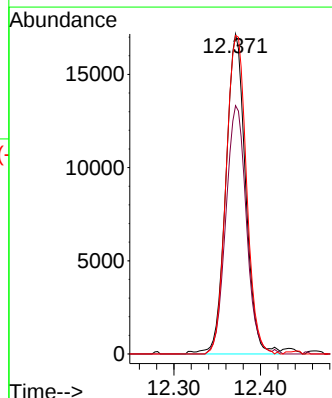
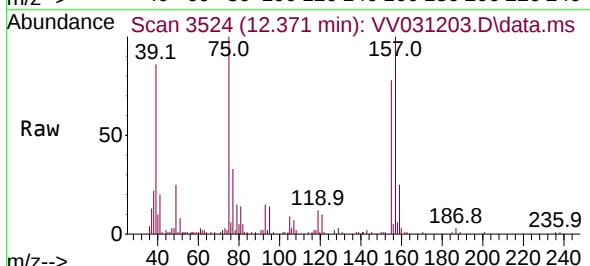
Tgt Ion: 75 Resp: 27196

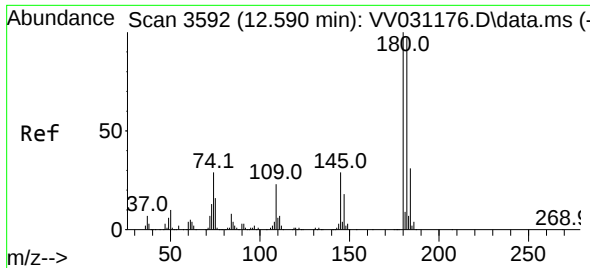
Ion Ratio Lower Upper

75 100

155 77.6 70.9 106.3

157 99.5 88.1 132.1

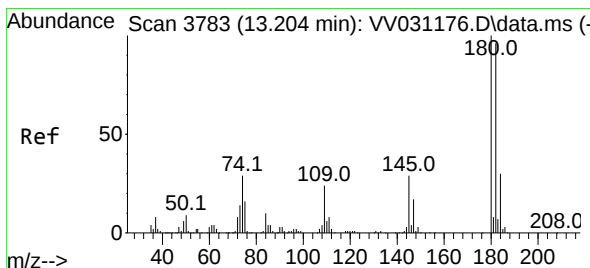
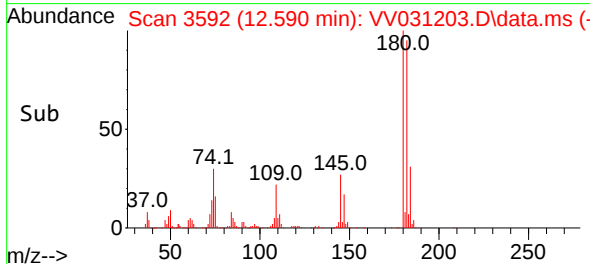
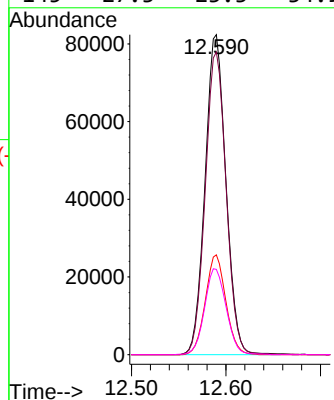
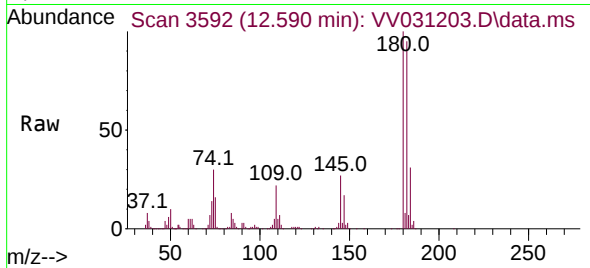




#69
 1,3,5-Trichlorobenzene
 Concen: 50.177 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV031203.D
 Acq: 23 May 2023 20:22

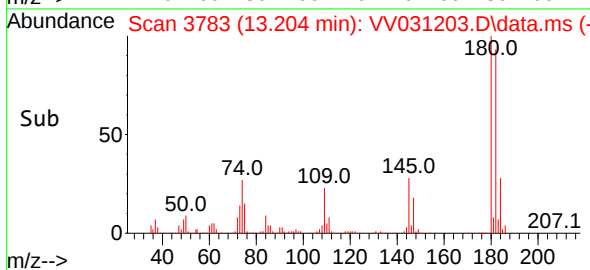
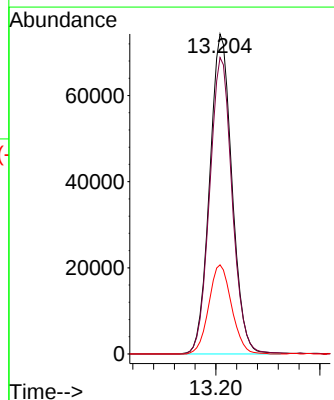
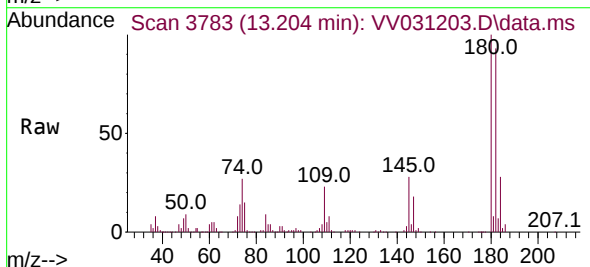
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050352

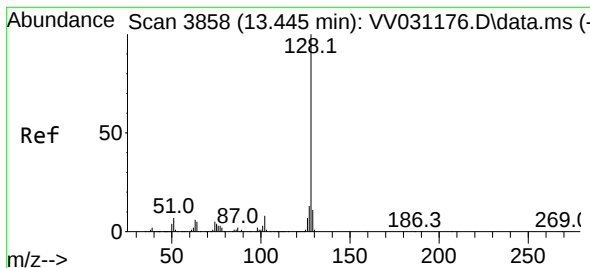
Tgt Ion:180	Resp:	126368
Ion Ratio	Lower	Upper
180	100	
182	94.5	76.6 115.0
184	30.7	24.6 37.0
145	27.3	23.3 34.9



#70
 1,2,4-trichlorobenzene
 Concen: 51.694 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. 0.000 min
 Lab File: VV031203.D
 Acq: 23 May 2023 20:22

Tgt Ion:180	Resp:	110795
Ion Ratio	Lower	Upper
180	100	
182	93.4	75.4 113.2
145	28.4	23.1 34.7





#71

Naphthalene

Concen: 50.426 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050352

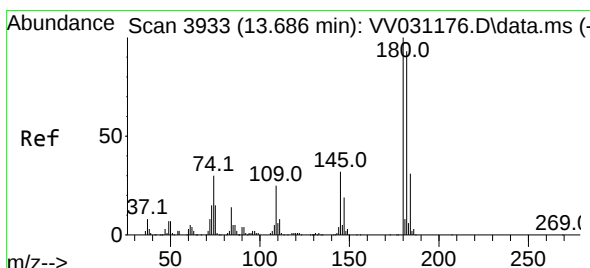
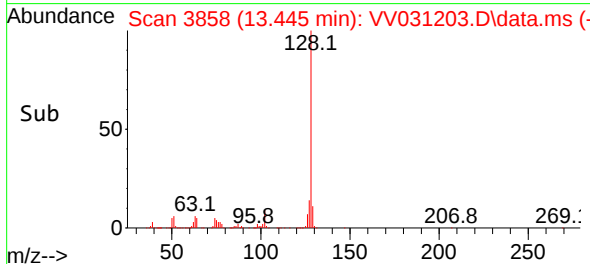
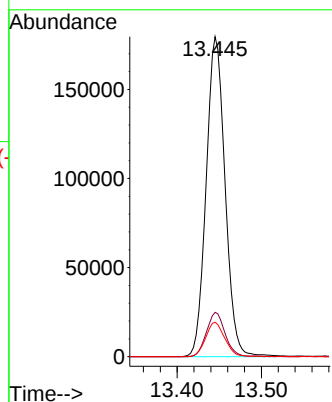
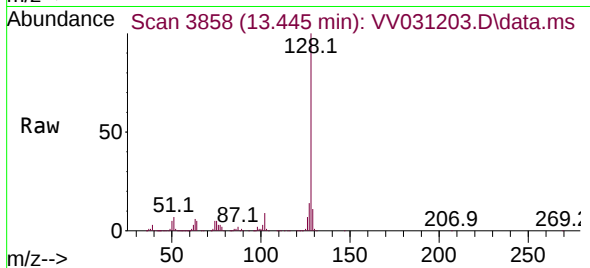
Tgt Ion:128 Resp: 280731

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 52.487 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031203.D

Acq: 23 May 2023 20:22

Tgt Ion:180 Resp: 112413

Ion Ratio Lower Upper

180 100

182 96.0 75.4 113.0

145 30.7 24.2 36.4

