

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
 Data File : VW031100.D
 Acq On : 19 May 2023 11:55
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV226

Quant Time: May 20 00:24:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 20 00:13:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	283750	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	276411	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	165201	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	114897	47.381	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.760%
7) Chloroethane-d5	1.536	69	86610	46.362	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.720%
11) 1,1-Dichloroethene-d2	2.063	65	53948	47.441	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.880%
21) 2-Butanone-d5	3.796	46	132625	102.639	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.640%
24) Chloroform-d	4.256	84	205803	47.973	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.940%
26) 1,2-Dichloroethane-d4	4.947	65	142234	49.065	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.120%
32) Benzene-d6	4.966	84	371544	49.584	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.160%
36) 1,2-Dichloropropane-d6	5.995	67	109407	48.798	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.600%
41) Toluene-d8	7.249	98	356185	50.930	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.860%
43) trans-1,3-Dichloroprop...	7.558	79	58159	51.703	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.400%
47) 2-Hexanone-d5	8.031	63	85255	97.527	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.530%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	159086	47.308	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.620%
66) 1,2-Dichlorobenzene-d4	11.567	152	146101	49.215	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	86252	47.084	ug/L	99
3) Chloromethane	1.217	50	90225	44.989	ug/L	100
5) Vinyl chloride	1.285	62	86792	48.452	ug/L	100
6) Bromomethane	1.487	94	46144	45.965	ug/L	100
8) Chloroethane	1.552	64	54961	47.615	ug/L	100
9) Trichlorofluoromethane	1.716	101	169917	48.227	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	91014	48.985	ug/L	97
12) 1,1-Dichloroethene	2.073	96	76563	48.575	ug/L	88
13) Acetone	2.121	43	162147	96.524	ug/L	98
14) Carbon disulfide	2.246	76	139454	48.551	ug/L	99
15) Methyl Acetate	2.378	43	97688	51.167	ug/L	99
16) Methylene chloride	2.452	84	85231	48.572	ug/L	99
17) trans-1,2-Dichloroethene	2.700	96	70121	48.117	ug/L	94
18) Methyl tert-butyl Ether	2.709	73	293554	52.145	ug/L	99
19) 1,1-Dichloroethane	3.118	63	161824	48.726	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	89229	49.669	ug/L	95
22) 2-Butanone	3.876	43	162798	101.059	ug/L	96
23) Bromochloromethane	4.156	128	49406	50.046	ug/L	99
25) Chloroform	4.285	83	183224	49.386	ug/L	95

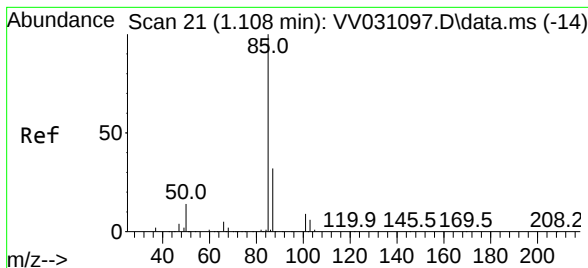
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 Quant Title : VOC Analysis
 QLast Update : Sat May 20 00:13:55 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	158904	50.481	ug/L	100
29) Cyclohexane	4.590	56	109541	50.362	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	166587	49.114	ug/L	99
31) Carbon tetrachloride	4.741	117	145365	49.194	ug/L	99
33) Benzene	5.018	78	335852	50.717	ug/L	100
34) Trichloroethene	5.838	95	86514	48.758	ug/L	98
35) Methylcyclohexane	6.056	83	120272	51.082	ug/L	99
37) 1,2-Dichloropropane	6.101	63	90937	49.893	ug/L	97
38) Bromodichloromethane	6.439	83	136072	48.161	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	143980	51.229	ug/L	100
40) 4-Methyl-2-pentanone	7.166	43	296743	105.804	ug/L	99
42) Toluene	7.320	91	368385	51.418	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	150044	52.773	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	97706	49.126	ug/L	96
46) Tetrachloroethene	7.912	164	77242	50.697	ug/L	97
48) 2-Hexanone	8.082	43	248684	106.457	ug/L	100
49) Dibromochloromethane	8.182	129	110154	49.088	ug/L	95
50) 1,2-Dibromoethane	8.288	107	97291	49.201	ug/L	97
51) Chlorobenzene	8.818	112	252322	49.481	ug/L	99
52) Ethylbenzene	8.953	91	417956	50.952	ug/L	99
53) m,p-Xylene	9.079	106	163391	51.349	ug/L	95
54) o-Xylene	9.484	106	160613	51.167	ug/L	98
55) Styrene	9.503	104	289076	52.071	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	162083	49.599	ug/L	98
59) Bromoform	9.670	173	91370	47.699	ug/L	100
60) Isopropylbenzene	9.873	105	443554	50.203	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	126183	49.650	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	365138	50.278	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	366050	51.549	ug/L	97
64) 1,3-Dichlorobenzene	11.124	146	228672	50.512	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	237264	50.378	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	230665	50.215	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	38500	49.350	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	177834	50.816	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	158665	53.274	ug/L	99
71) Naphthalene	13.445	128	435549	56.301	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	161117	54.136	ug/L	98

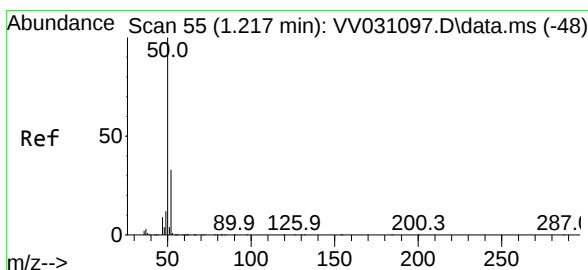
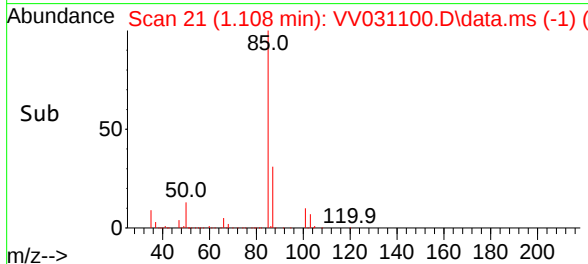
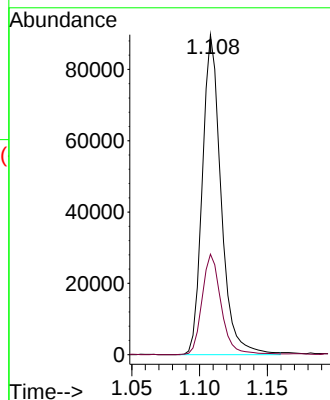
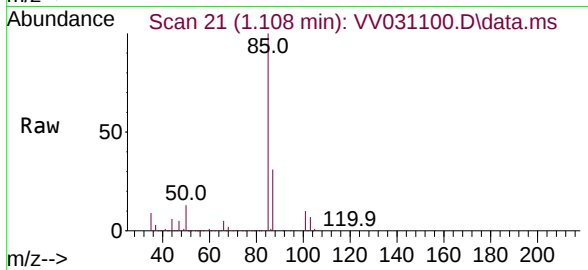
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 47.084 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

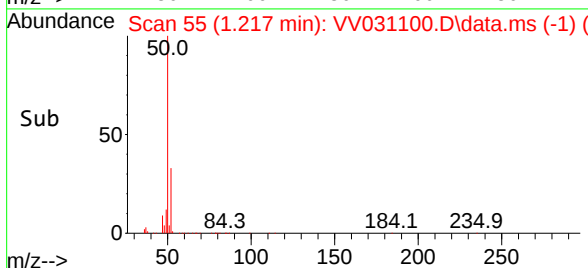
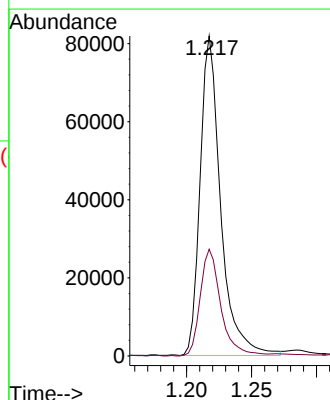
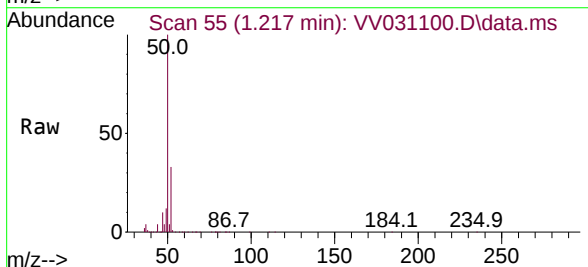
Instrument :
MSVOA_V
ClientSampleId :
VICV226

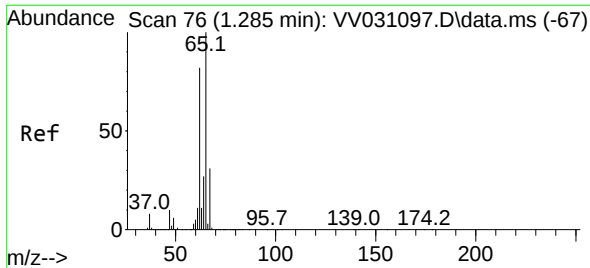
Tgt Ion: 85 Resp: 86252
Ion Ratio Lower Upper
85 100
87 32.2 25.2 37.8



#3
Chloromethane
Concen: 44.989 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

Tgt Ion: 50 Resp: 90225
Ion Ratio Lower Upper
50 100
52 33.3 23.3 43.3

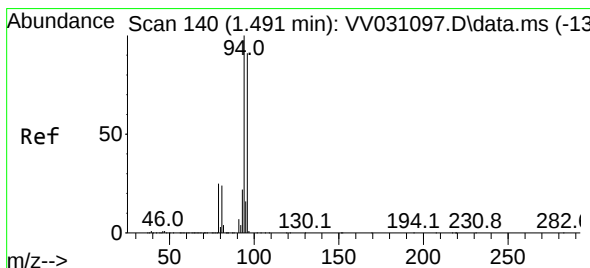
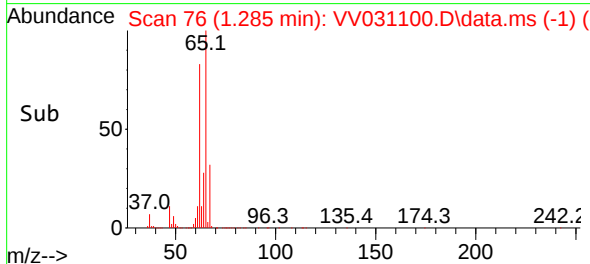
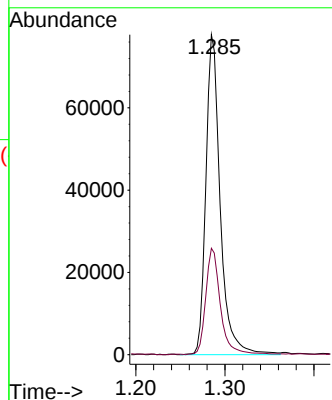
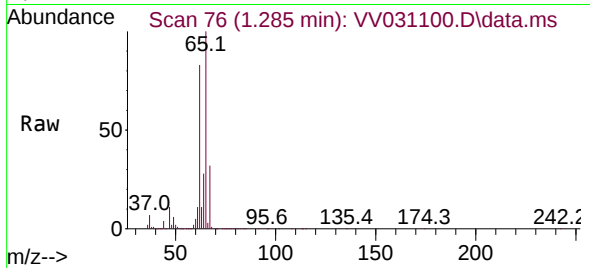




#5
 Vinyl chloride
 Concen: 48.452 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031100.D
 Acq: 19 May 2023 11:55

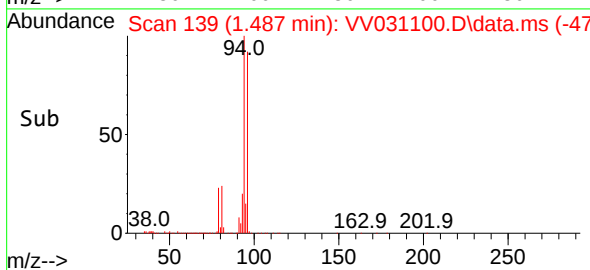
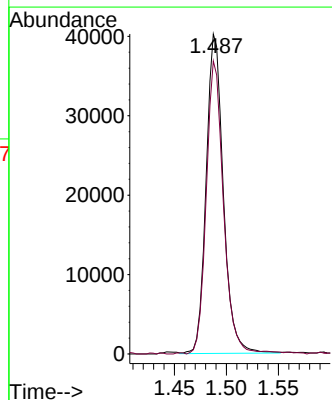
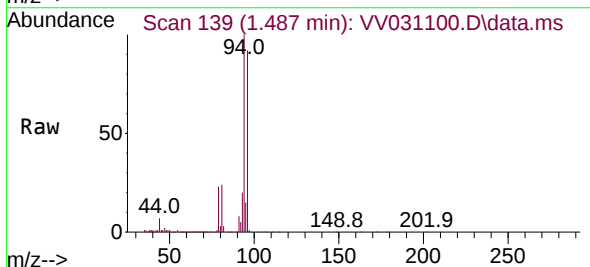
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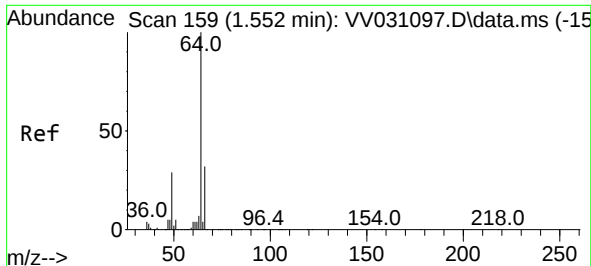
Tgt Ion: 62 Resp: 86792
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.1 42.9



#6
 Bromomethane
 Concen: 45.965 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV031100.D
 Acq: 19 May 2023 11:55

Tgt Ion: 94 Resp: 46144
 Ion Ratio Lower Upper
 94 100
 96 91.5 63.9 118.7

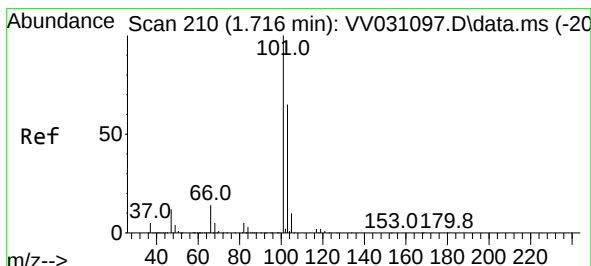
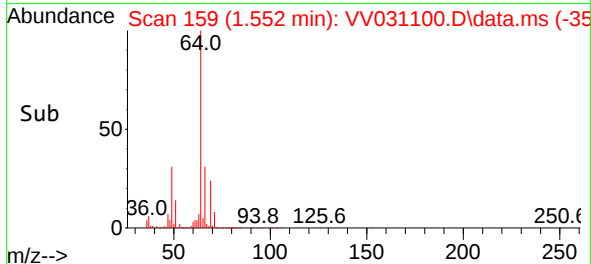
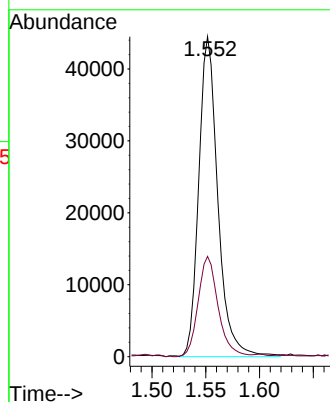
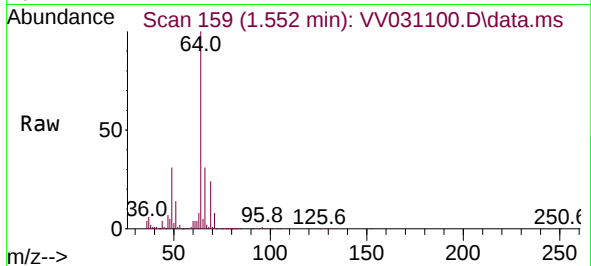




#8
Chloroethane
Concen: 47.615 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

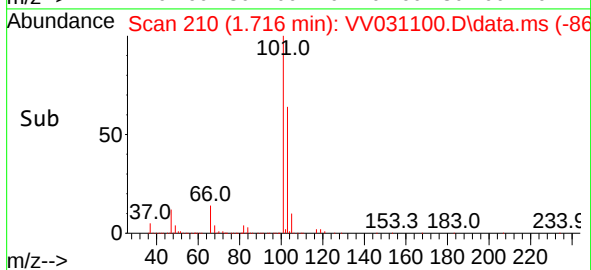
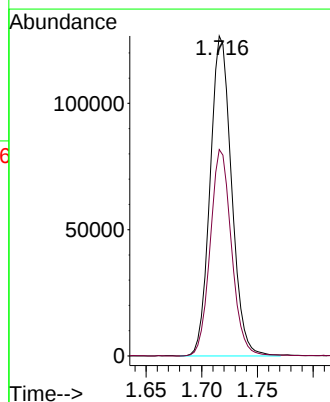
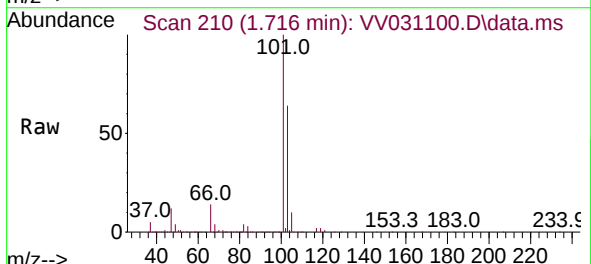
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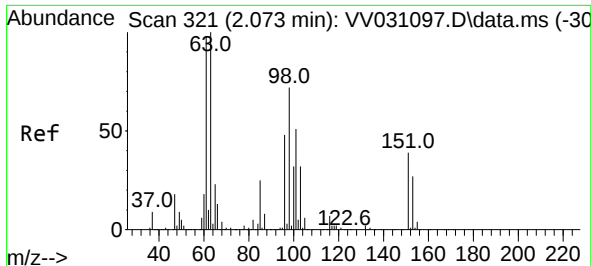
Tgt Ion: 64 Resp: 54961
Ion Ratio Lower Upper
64 100
66 31.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 48.227 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

Tgt Ion:101 Resp: 169917
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.2

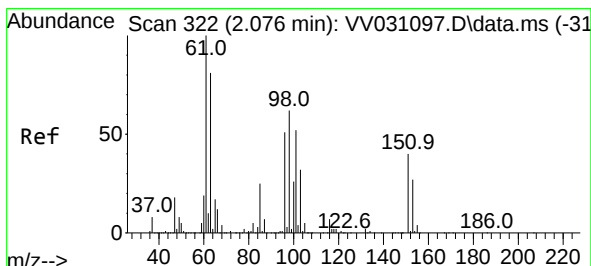
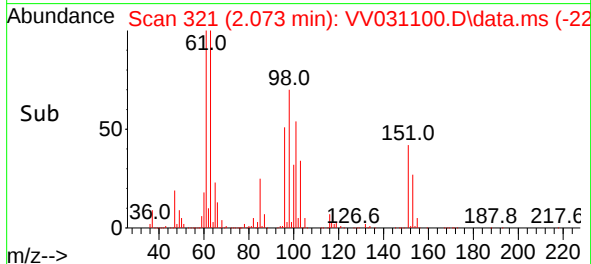
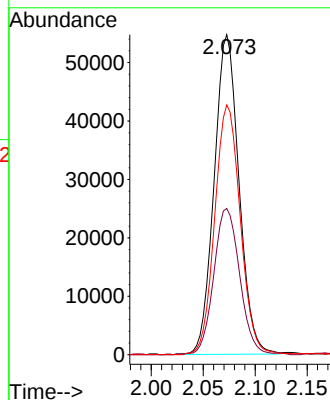
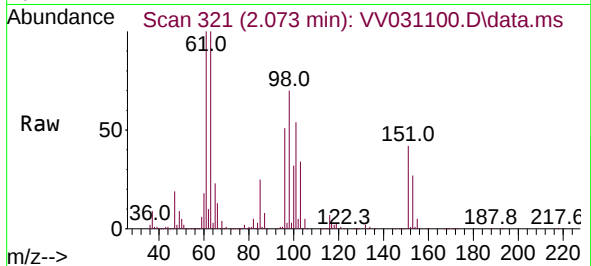




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.985 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031100.D
 Acq: 19 May 2023 11:55

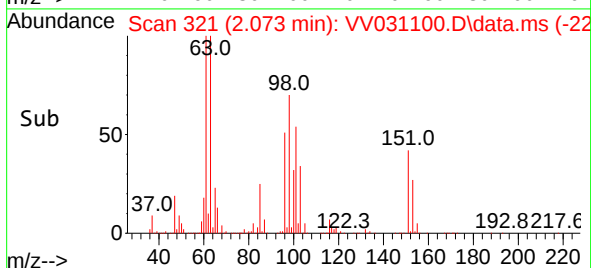
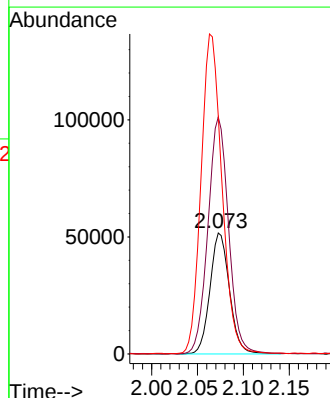
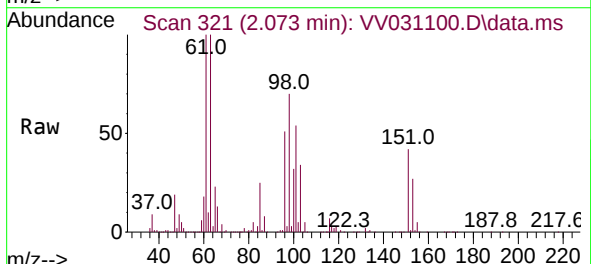
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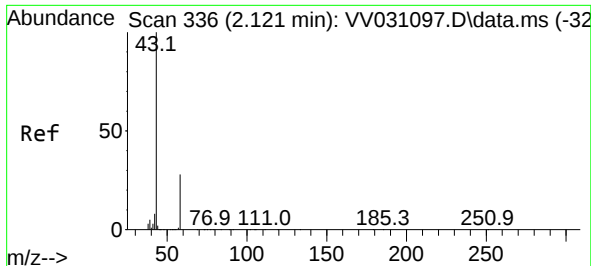
Tgt Ion:101 Resp: 91014
 Ion Ratio Lower Upper
 101 100
 85 47.1 38.0 57.0
 151 80.5 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 48.575 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. -0.003 min
 Lab File: VV031100.D
 Acq: 19 May 2023 11:55

Tgt Ion: 96 Resp: 76563
 Ion Ratio Lower Upper
 96 100
 61 196.0 137.9 256.1
 63 196.8 114.2 212.0





#13

Acetone

Concen: 96.524 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

Instrument :

MSVOA_V

ClientSampleId :

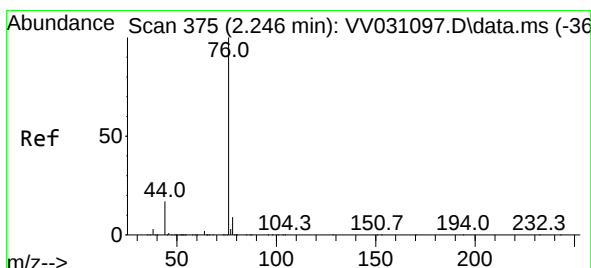
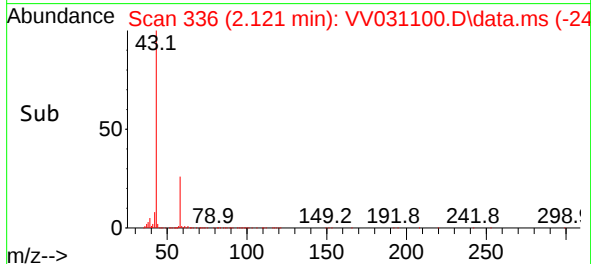
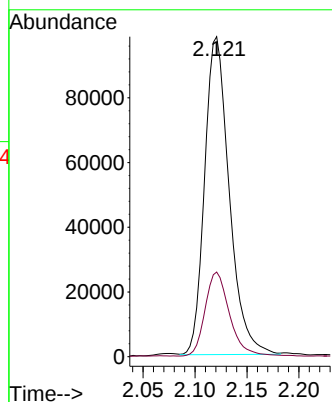
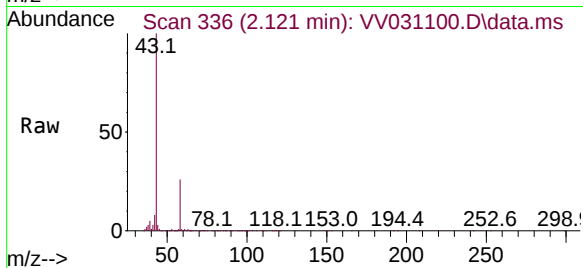
VICV226

Tgt Ion: 43 Resp: 162147

Ion Ratio Lower Upper

43 100

58 26.1 0.0 54.0



#14

Carbon disulfide

Concen: 48.551 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031100.D

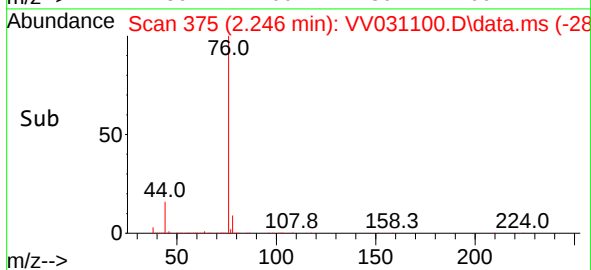
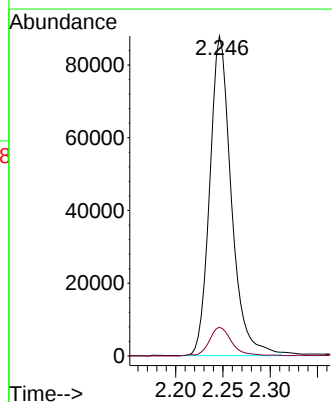
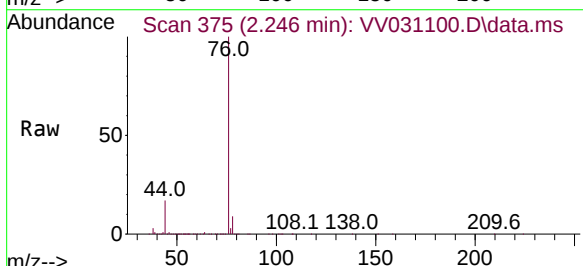
Acq: 19 May 2023 11:55

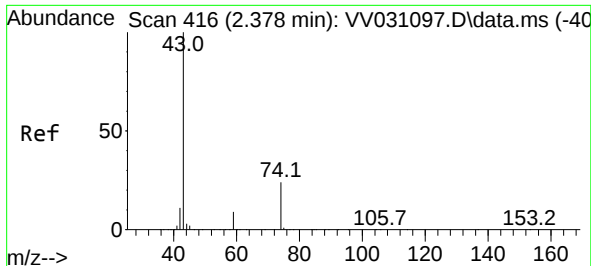
Tgt Ion: 76 Resp: 139454

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4

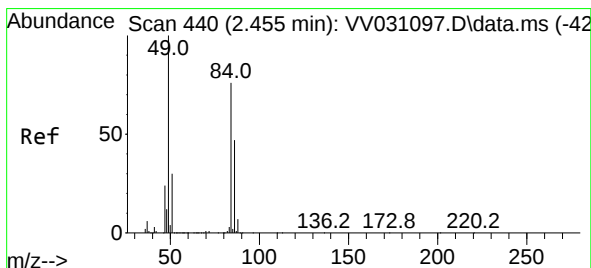
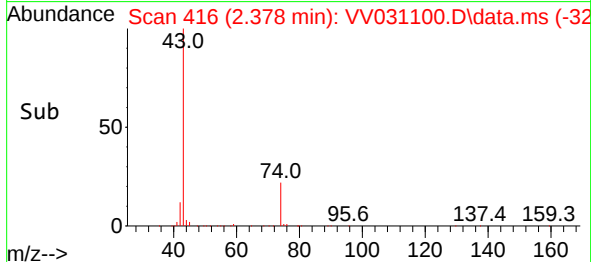
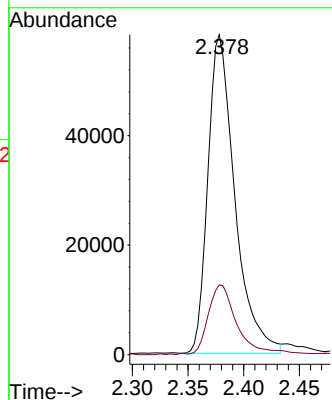
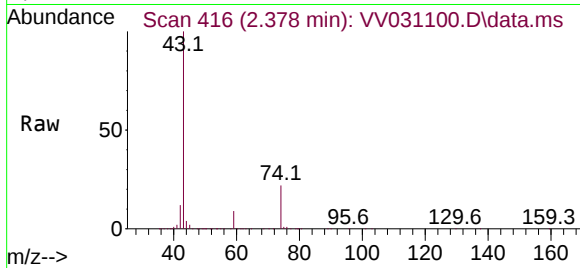




#15
Methyl Acetate
Concen: 51.167 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

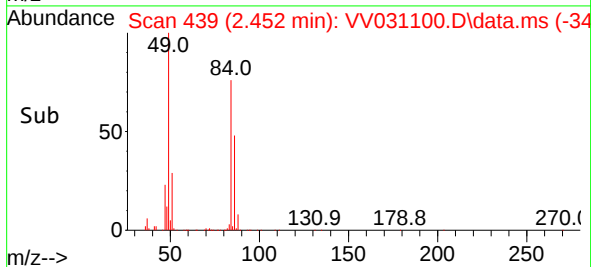
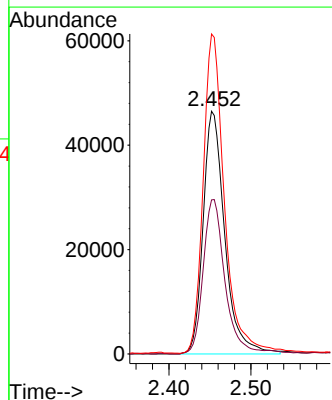
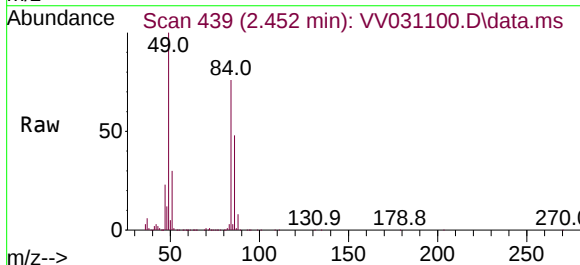
Instrument :
MSVOA_V
ClientSampleId :
VICV226

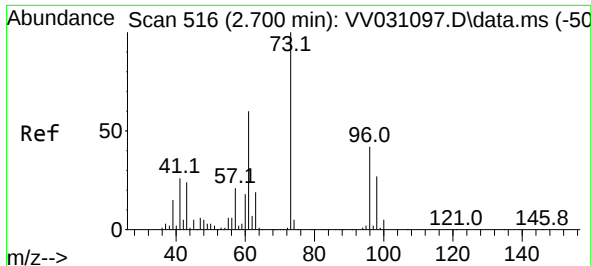
Tgt Ion: 43 Resp: 97688
Ion Ratio Lower Upper
43 100
74 22.2 18.1 27.1



#16
Methylene chloride
Concen: 48.572 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.003 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

Tgt Ion: 84 Resp: 85231
Ion Ratio Lower Upper
84 100
86 63.5 43.3 80.3
49 131.8 92.6 172.0





#17

trans-1,2-Dichloroethene

Concen: 48.117 ug/L

RT: 2.700 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

Instrument :

MSVOA_V

ClientSampleId :

VICV226

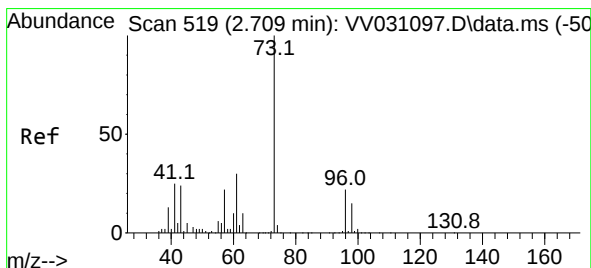
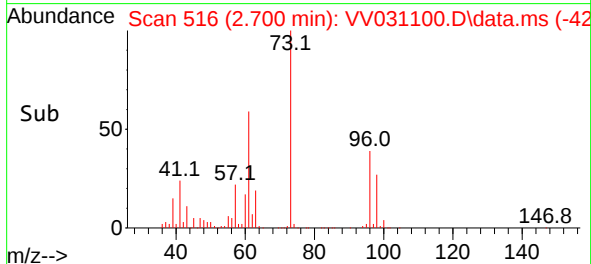
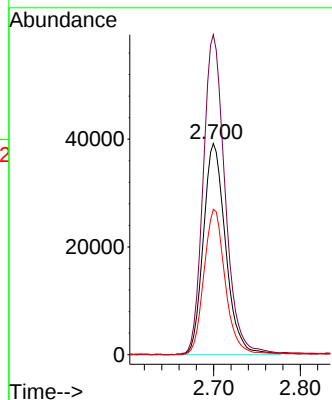
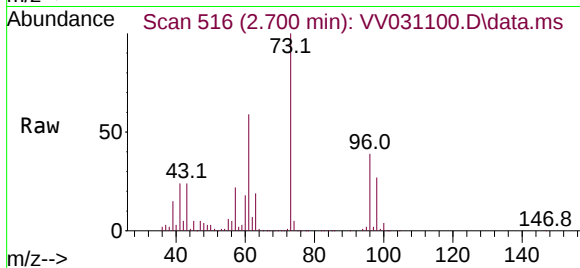
Tgt Ion: 96 Resp: 70121

Ion Ratio Lower Upper

96 100

61 151.6 100.0 185.6

98 68.8 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 52.145 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

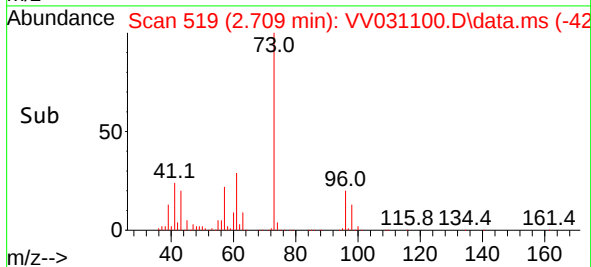
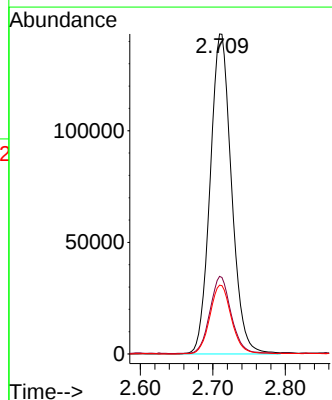
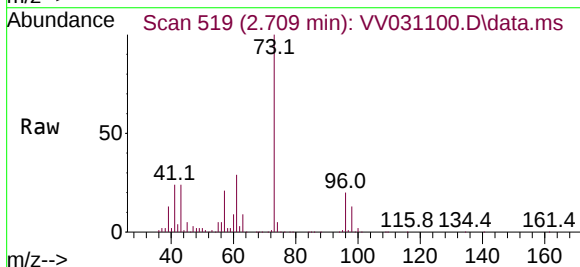
Tgt Ion: 73 Resp: 293554

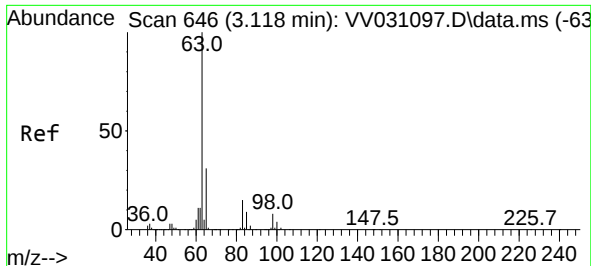
Ion Ratio Lower Upper

73 100

43 23.6 19.4 29.2

57 21.4 17.1 25.7

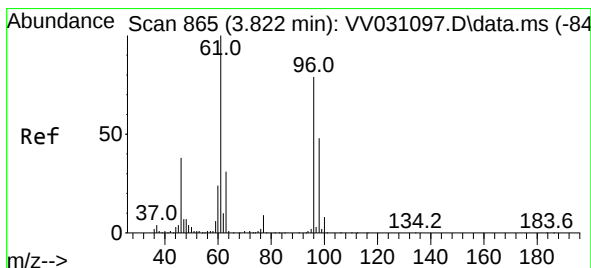
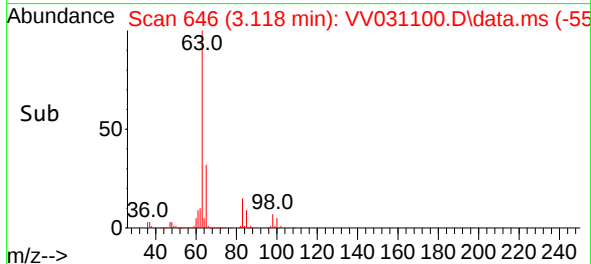
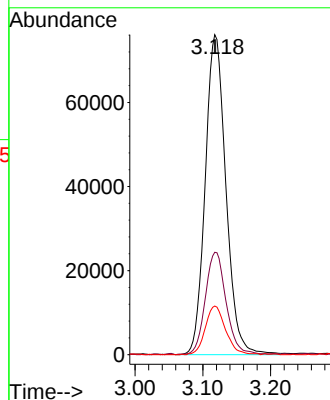
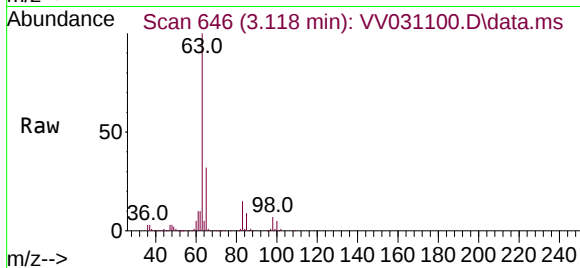




#19
1,1-Dichloroethane
Concen: 48.726 ug/L
RT: 3.118 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

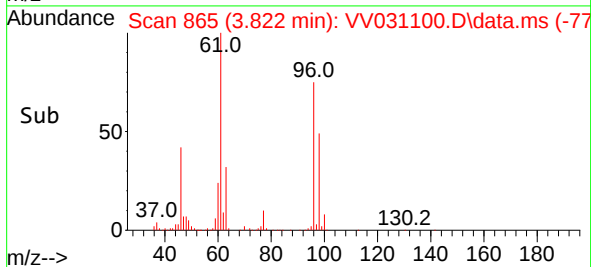
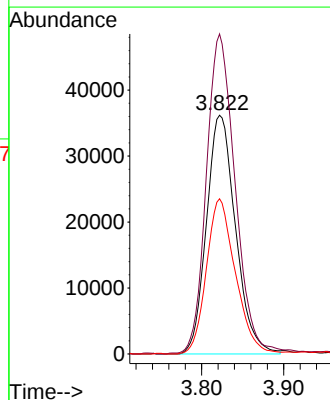
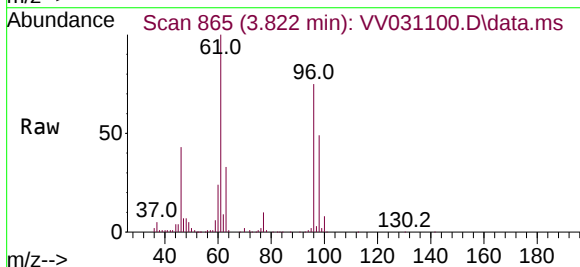
Instrument :
MSVOA_V
ClientSampleId :
VICV226

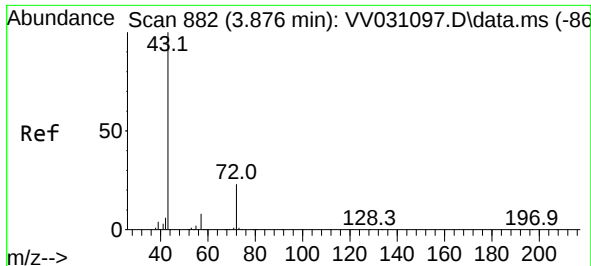
Tgt Ion: 63 Resp: 161824
Ion Ratio Lower Upper
63 100
65 32.0 21.9 40.7
83 15.2 10.4 19.2



#20
cis-1,2-Dichloroethene
Concen: 49.669 ug/L
RT: 3.822 min Scan# 865
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

Tgt Ion: 96 Resp: 89229
Ion Ratio Lower Upper
96 100
61 134.0 89.2 165.6
98 65.0 43.0 80.0

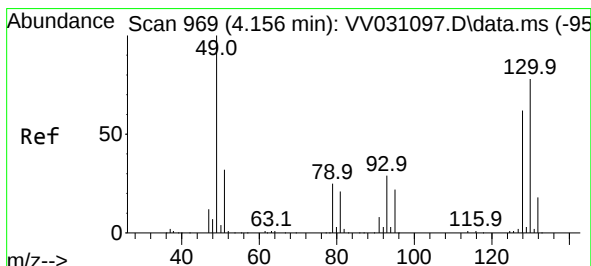
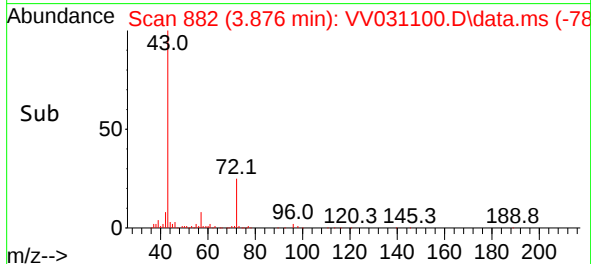
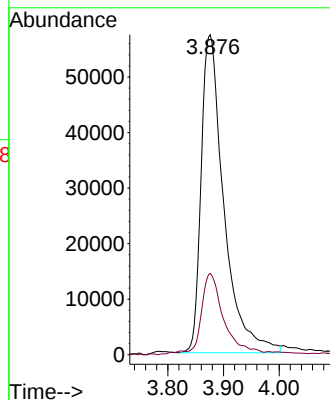
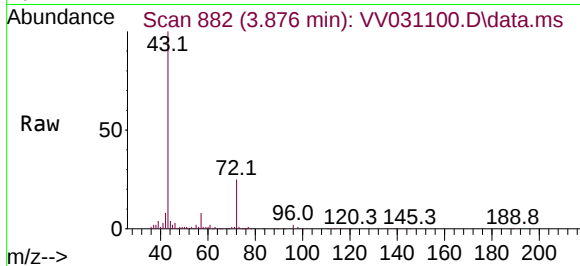




#22
2-Butanone
Concen: 101.059 ug/L
RT: 3.876 min Scan# 882
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

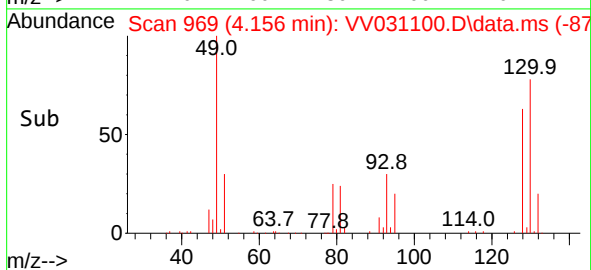
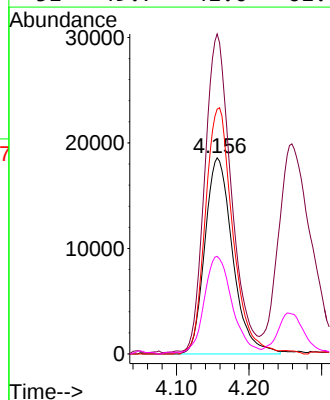
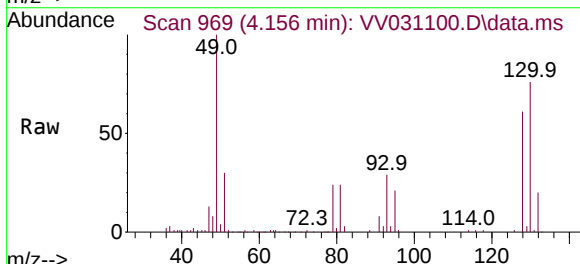
Instrument :
MSVOA_V
ClientSampleId :
VICV226

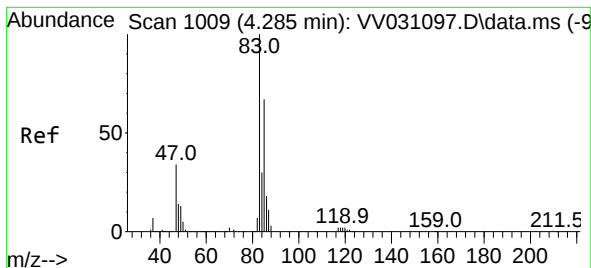
Tgt Ion: 43 Resp: 162798
Ion Ratio Lower Upper
43 100
72 21.7 11.9 35.7



#23
Bromochloromethane
Concen: 50.046 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

Tgt Ion: 128 Resp: 49406
Ion Ratio Lower Upper
128 100
49 163.1 113.2 210.2
130 124.8 87.5 162.5
51 49.7 41.0 61.4





#25

Chloroform

Concen: 49.386 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

Instrument :

MSVOA_V

ClientSampleId :

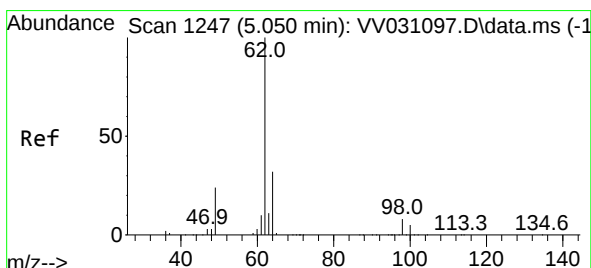
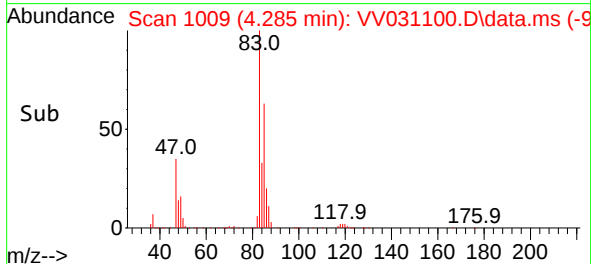
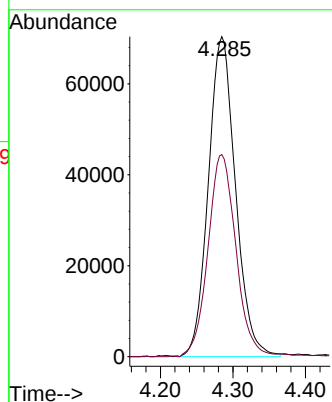
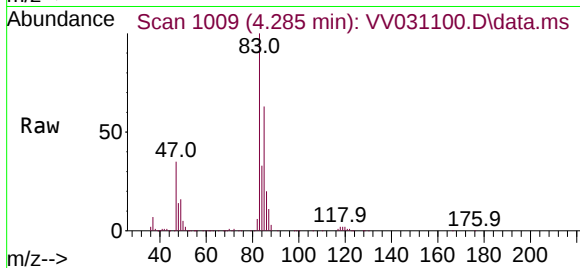
VICV226

Tgt Ion: 83 Resp: 183224

Ion Ratio Lower Upper

83 100

85 63.2 47.3 87.9



#27

1,2-Dichloroethane

Concen: 50.481 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.003 min

Lab File: VV031100.D

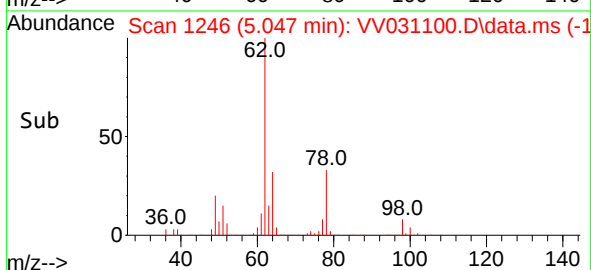
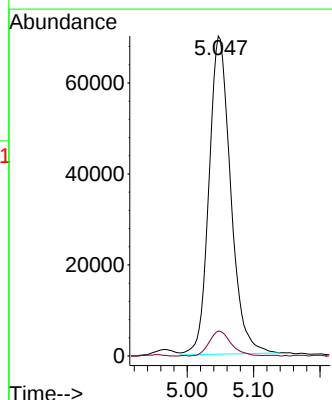
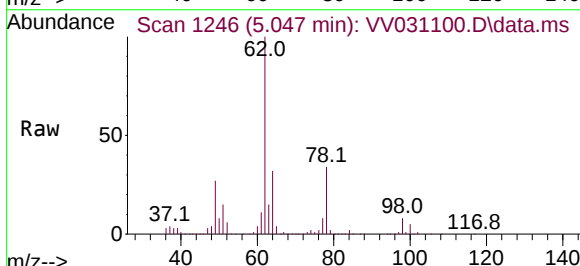
Acq: 19 May 2023 11:55

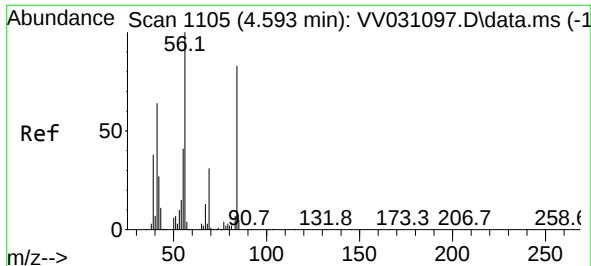
Tgt Ion: 62 Resp: 158904

Ion Ratio Lower Upper

62 100

98 7.8 6.3 9.5





#29

Cyclohexane

Concen: 50.362 ug/L

RT: 4.590 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

Instrument :

MSVOA_V

ClientSampleId :

VICV226

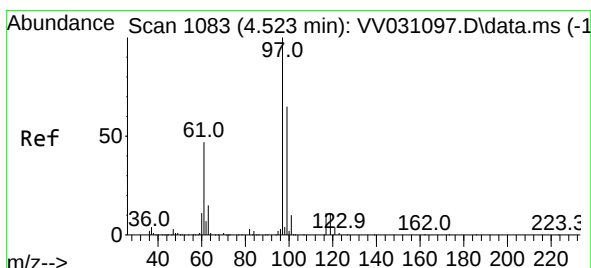
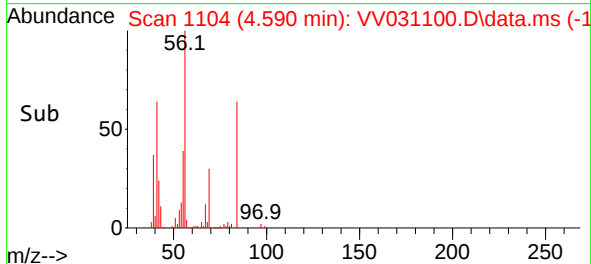
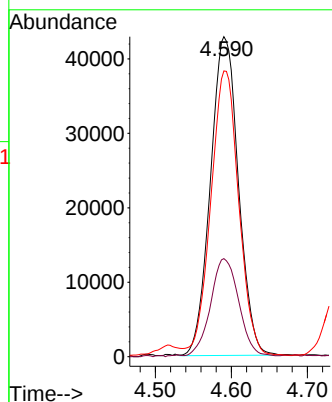
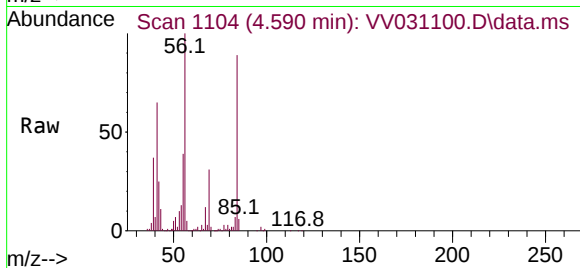
Tgt Ion: 56 Resp: 109541

Ion Ratio Lower Upper

56 100

69 30.7 25.1 37.7

84 88.5 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 49.114 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.003 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

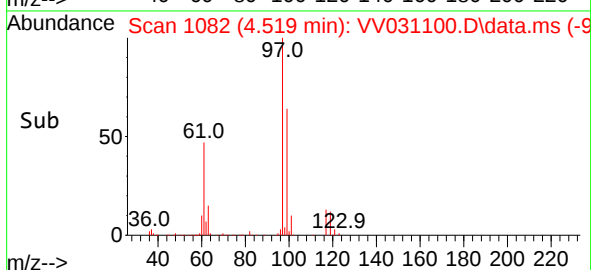
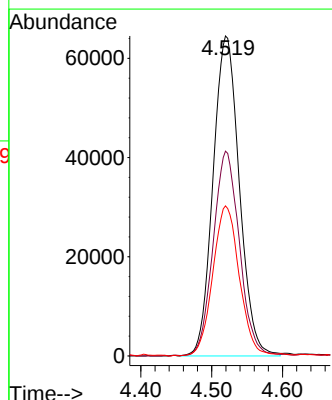
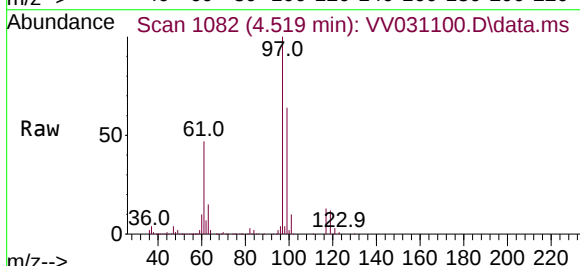
Tgt Ion: 97 Resp: 166587

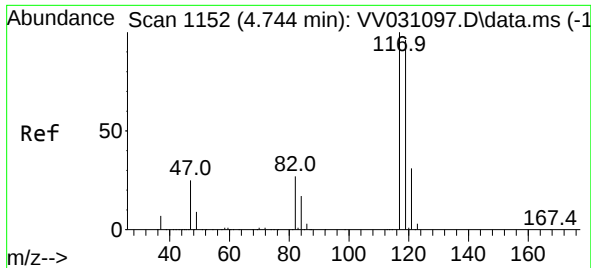
Ion Ratio Lower Upper

97 100

99 63.5 51.9 77.9

61 47.2 38.2 57.2

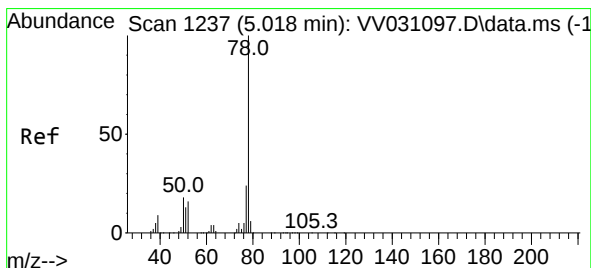
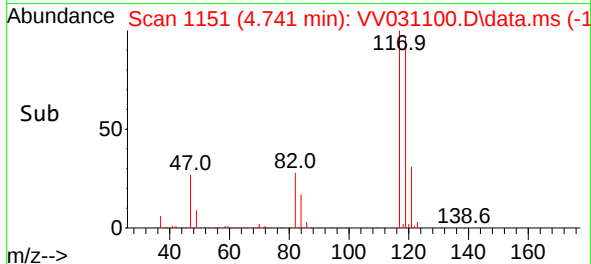
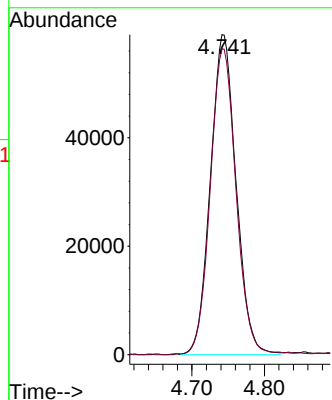
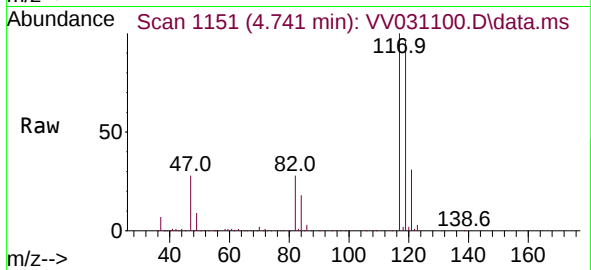




#31
Carbon tetrachloride
Concen: 49.194 ug/L
RT: 4.741 min Scan# 1152
Delta R.T. -0.003 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

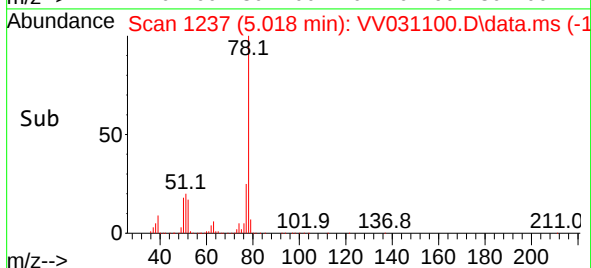
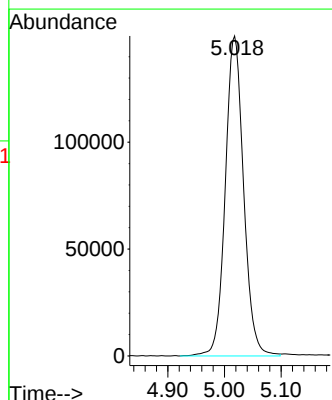
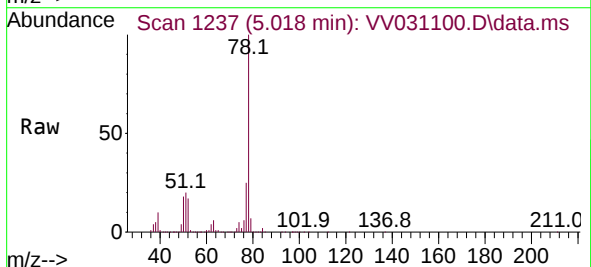
Instrument :
MSVOA_V
ClientSampleId :
VICV226

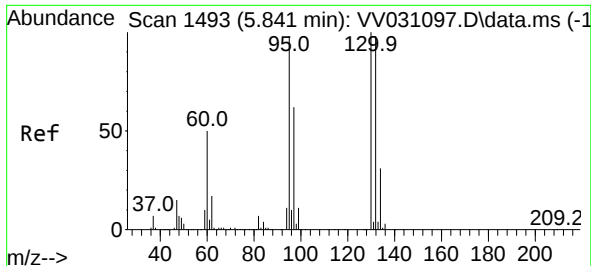
Tgt Ion:117 Resp: 145365
Ion Ratio Lower Upper
117 100
119 94.8 76.9 115.3



#33
Benzene
Concen: 50.717 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

Tgt Ion: 78 Resp: 335852

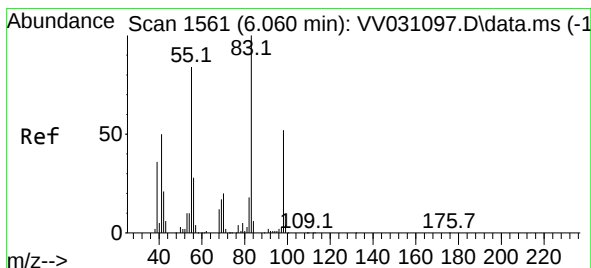
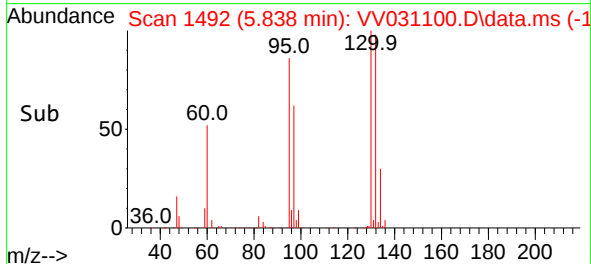
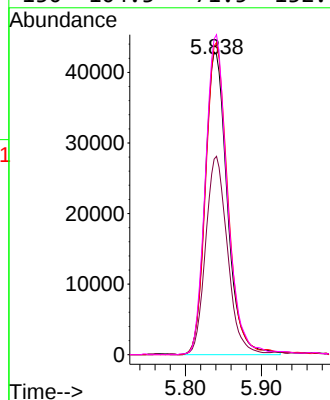
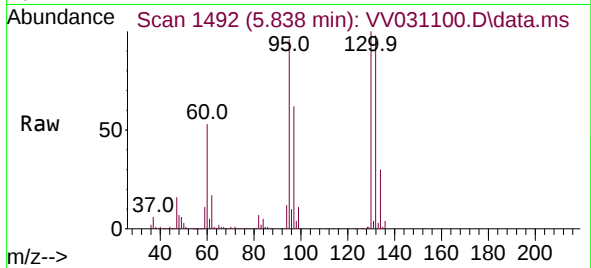




#34
 Trichloroethene
 Concen: 48.758 ug/L
 RT: 5.838 min Scan# 1492
 Delta R.T. -0.003 min
 Lab File: VV031100.D
 Acq: 19 May 2023 11:55

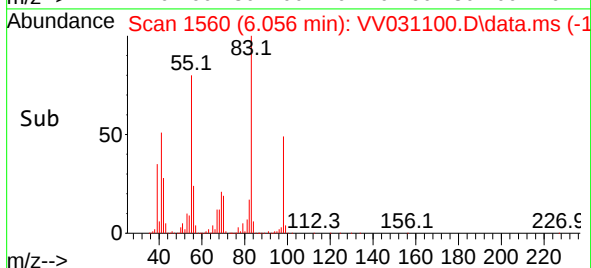
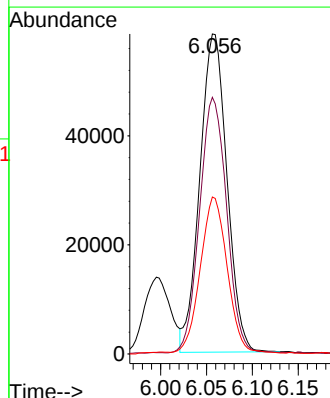
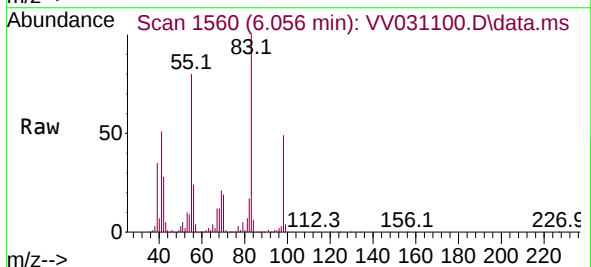
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV226

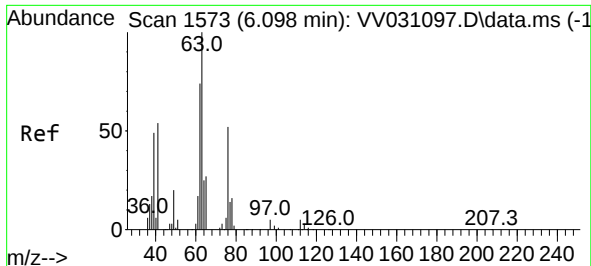
Tgt Ion:	95	Resp:	86514
Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.4	82.5
132	101.9	70.2	130.4
130	104.3	71.5	132.7



#35
 Methylcyclohexane
 Concen: 51.082 ug/L
 RT: 6.056 min Scan# 1560
 Delta R.T. -0.003 min
 Lab File: VV031100.D
 Acq: 19 May 2023 11:55

Tgt Ion:	83	Resp:	120272
Ion	Ratio	Lower	Upper
83	100		
55	79.8	64.2	96.2
98	49.0	40.0	60.0





#37

1,2-Dichloropropane

Concen: 49.893 ug/L

RT: 6.101 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

Instrument :

MSVOA_V

ClientSampleId :

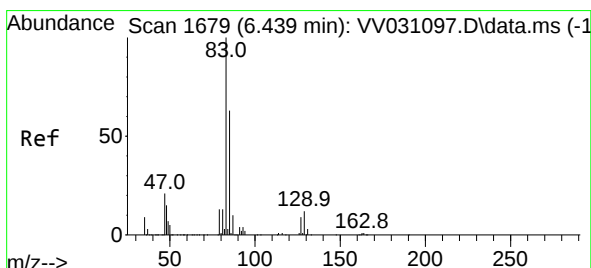
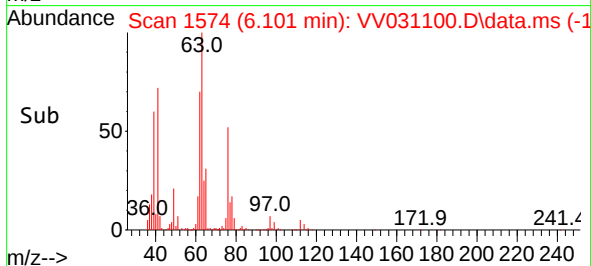
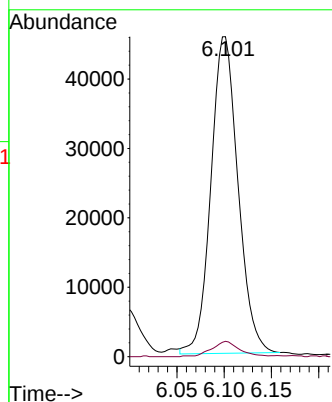
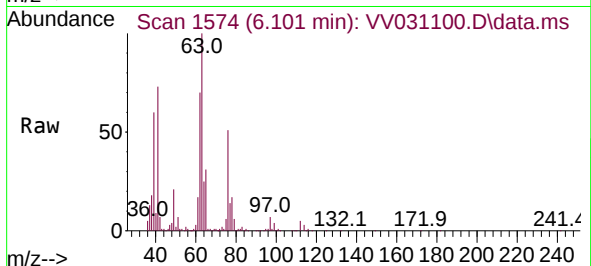
VICV226

Tgt Ion: 63 Resp: 90937

Ion Ratio Lower Upper

63 100

112 4.6 4.3 6.5



#38

Bromodichloromethane

Concen: 48.161 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

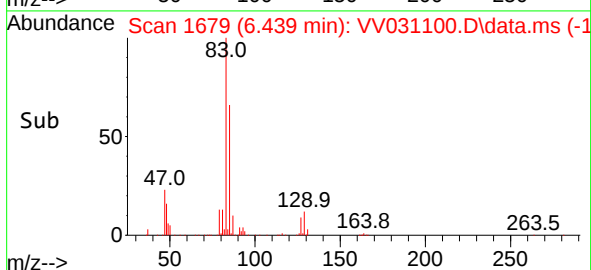
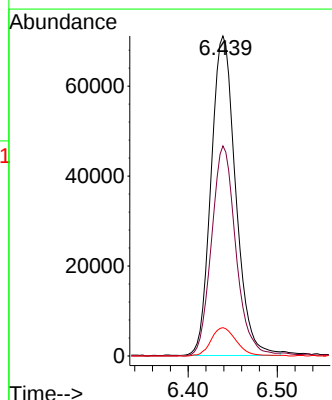
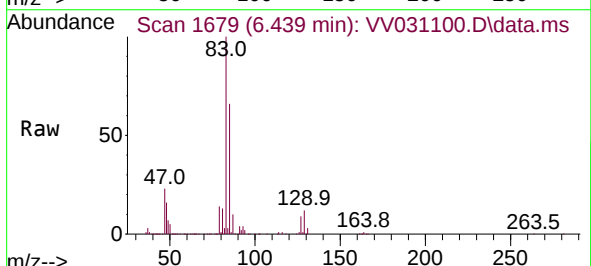
Tgt Ion: 83 Resp: 136072

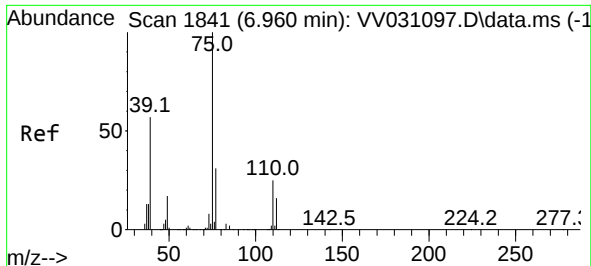
Ion Ratio Lower Upper

83 100

85 65.6 44.0 81.6

127 8.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 51.229 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

Instrument :

MSVOA_V

ClientSampleId :

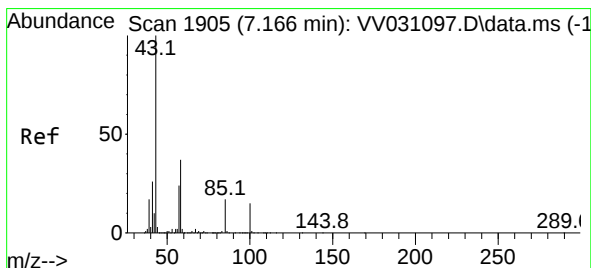
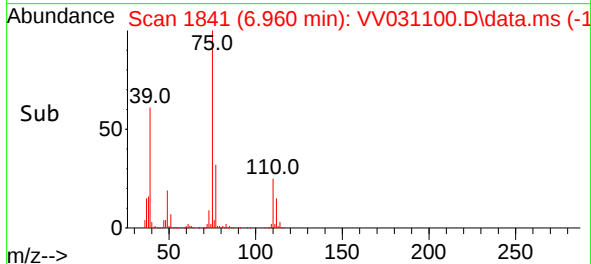
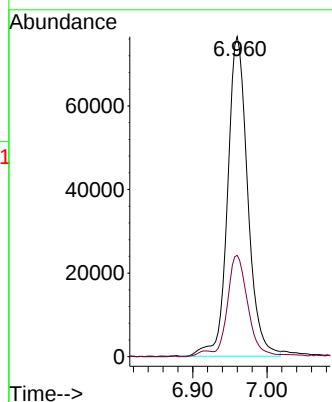
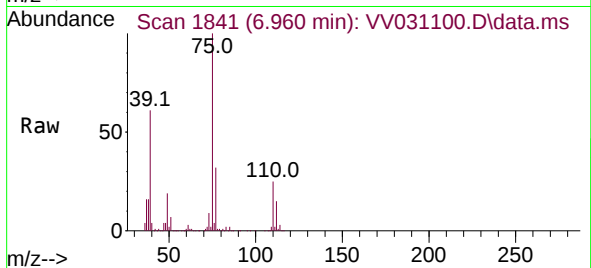
VICV226

Tgt Ion: 75 Resp: 143980

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 105.804 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

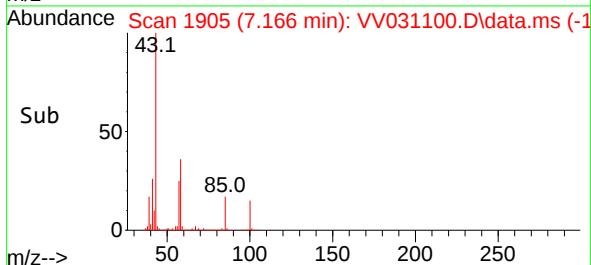
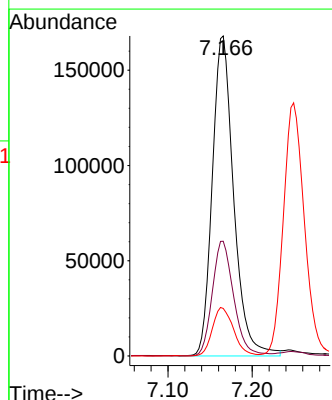
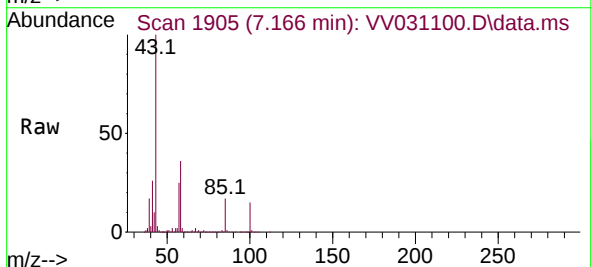
Tgt Ion: 43 Resp: 296743

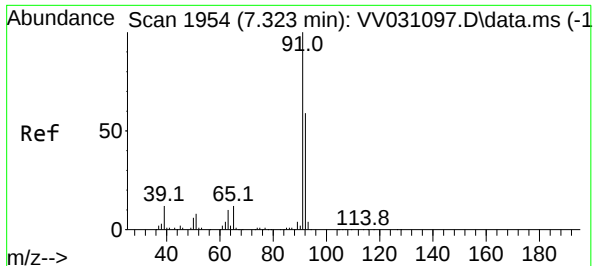
Ion Ratio Lower Upper

43 100

58 35.8 29.0 43.4

100 15.0 12.2 18.4





#42

Toluene

Concen: 51.418 ug/L

RT: 7.320 min Scan# 1954

Delta R.T. -0.003 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

Instrument :

MSVOA_V

ClientSampleId :

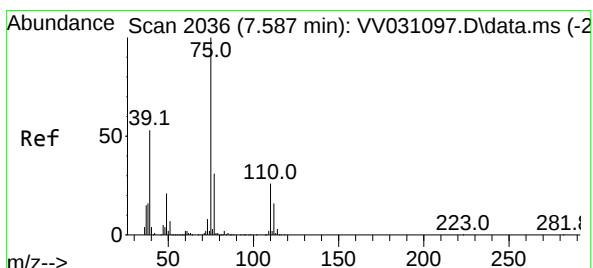
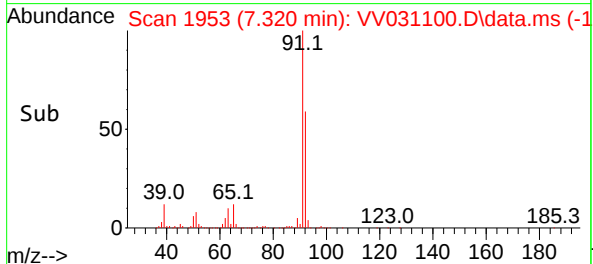
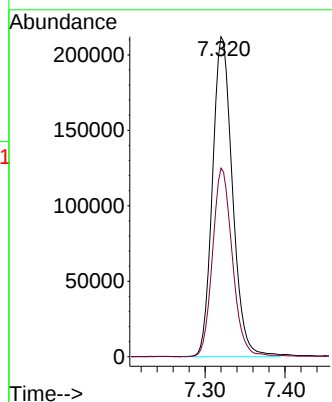
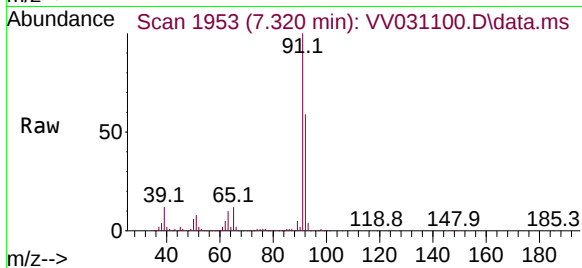
VICV226

Tgt Ion: 91 Resp: 368385

Ion Ratio Lower Upper

91 100

92 58.9 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 52.773 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031100.D

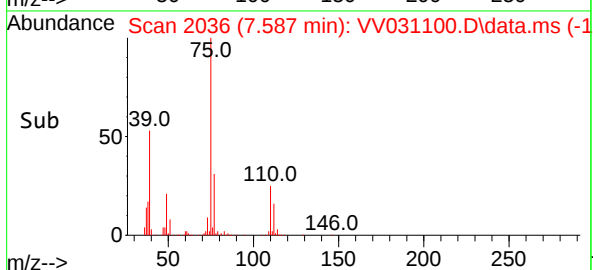
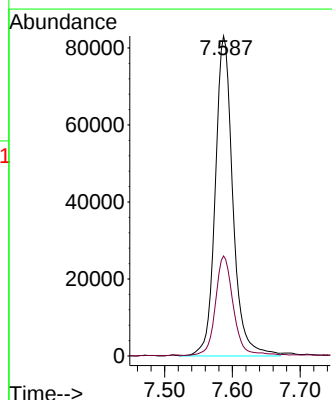
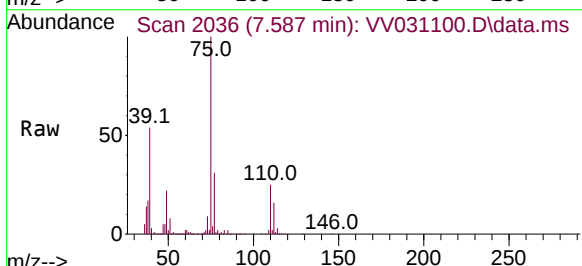
Acq: 19 May 2023 11:55

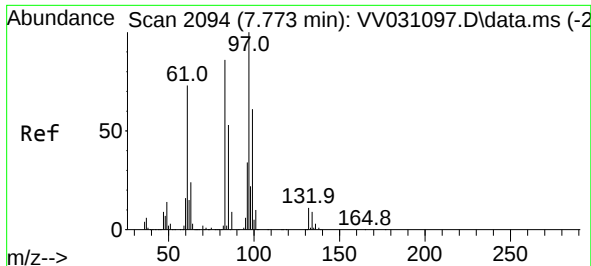
Tgt Ion: 75 Resp: 150044

Ion Ratio Lower Upper

75 100

77 31.3 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 49.126 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

Instrument :

MSVOA_V

ClientSampleId :

VICV226

Tgt Ion: 97 Resp: 97706

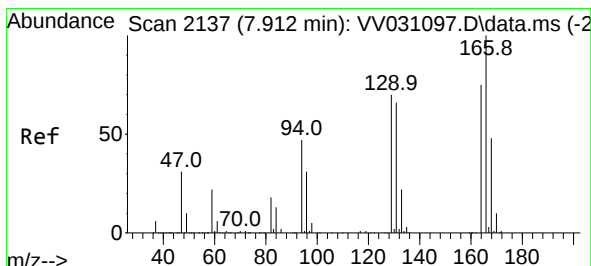
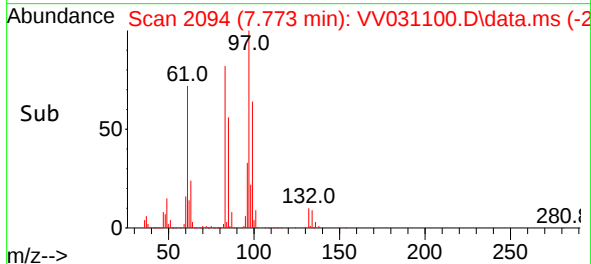
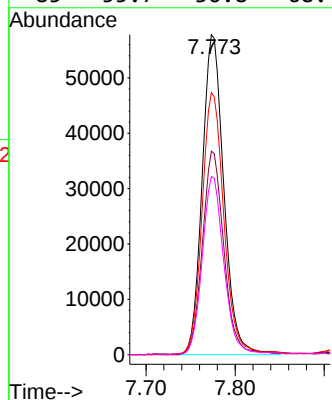
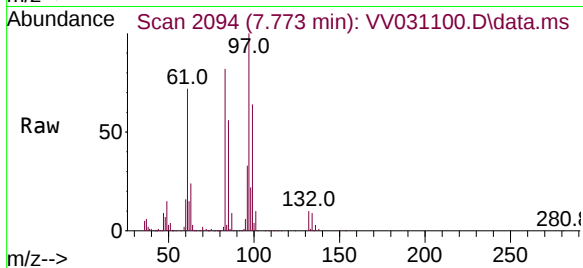
Ion Ratio Lower Upper

97 100

99 63.6 43.2 80.2

83 81.9 60.5 112.3

85 55.7 36.8 68.4



#46

Tetrachloroethene

Concen: 50.697 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

Tgt Ion:164 Resp: 77242

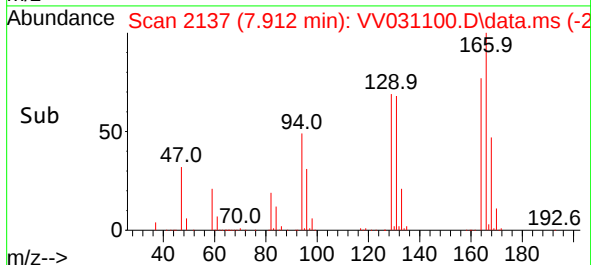
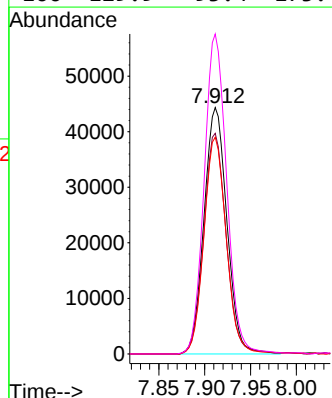
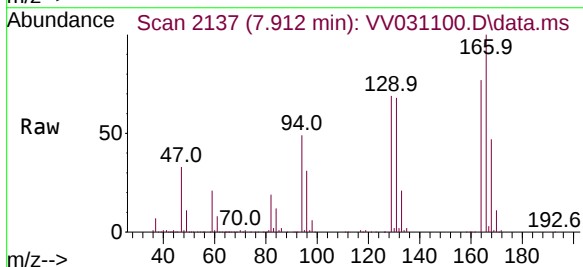
Ion Ratio Lower Upper

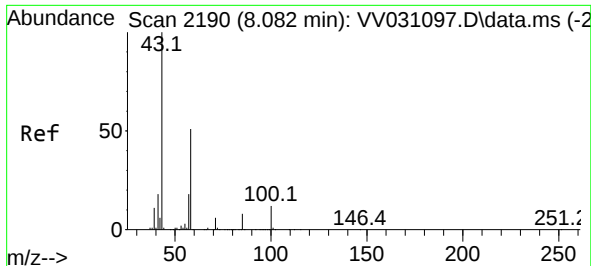
164 100

129 89.6 65.5 121.7

131 88.0 62.1 115.3

166 129.9 93.4 173.4

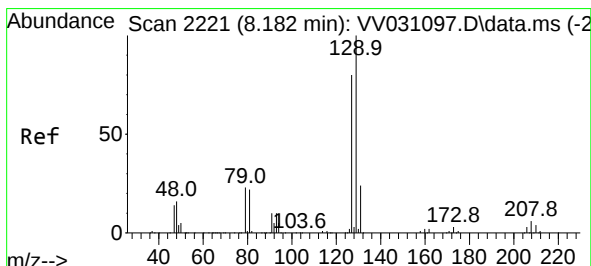
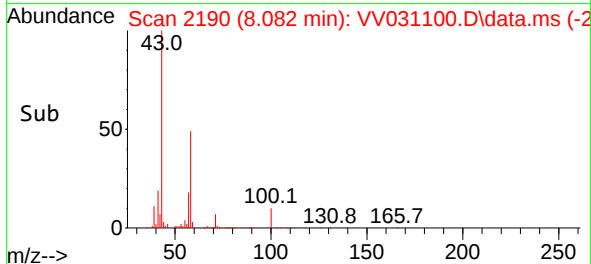
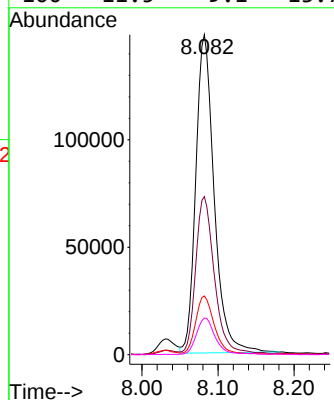
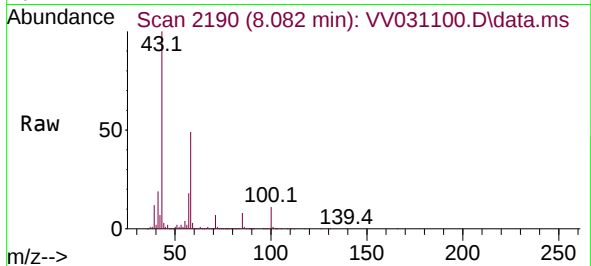




#48
2-Hexanone
Concen: 106.457 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

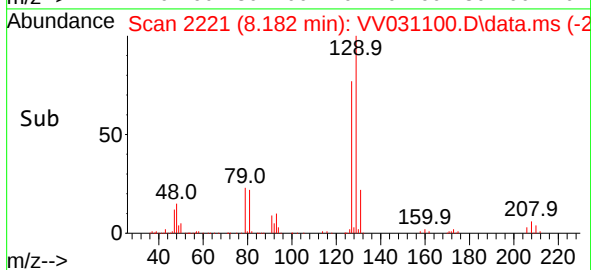
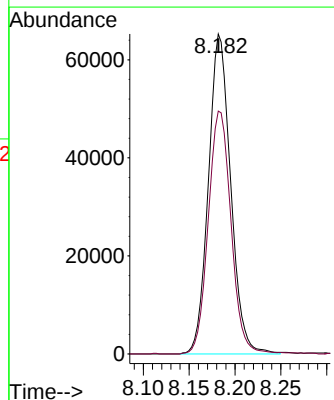
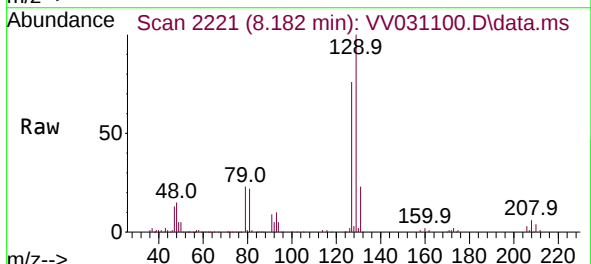
Instrument :
MSVOA_V
ClientSampleId :
VICV226

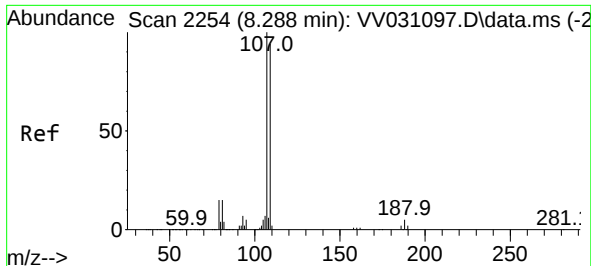
Tgt Ion:	43	Resp:	248684
Ion	Ratio	Lower	Upper
43	100		
58	49.2	39.8	59.6
57	18.1	14.4	21.6
100	11.5	9.1	13.7



#49
Dibromochloromethane
Concen: 49.088 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

Tgt Ion:	129	Resp:	110154
Ion	Ratio	Lower	Upper
129	100		
127	75.9	56.1	104.1





#50

1,2-Dibromoethane

Concen: 49.201 ug/L

RT: 8.288 min Scan# 2419

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

Instrument :

MSVOA_V

ClientSampleId :

VICV226

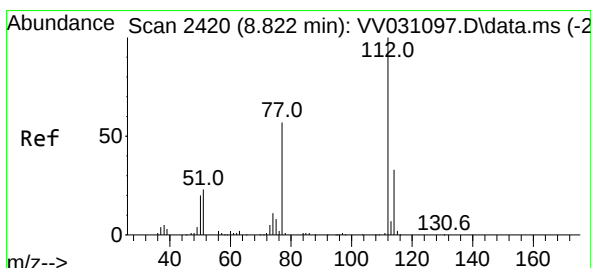
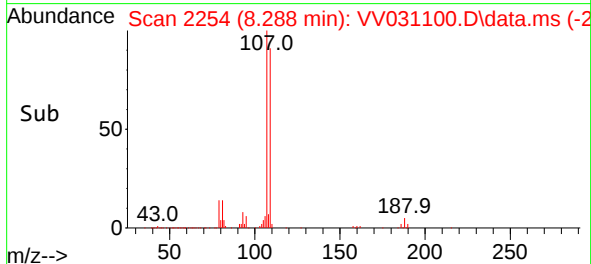
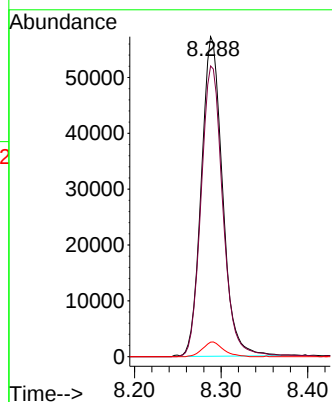
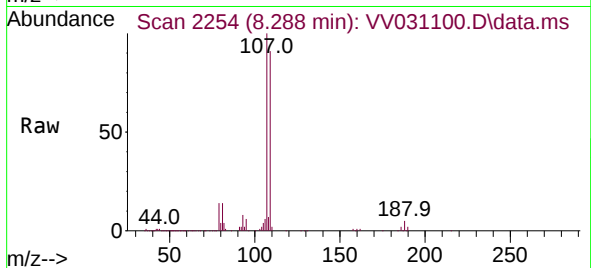
Tgt Ion:107 Resp: 97291

Ion Ratio Lower Upper

107 100

109 90.8 65.6 121.8

188 4.6 3.8 5.6



#51

Chlorobenzene

Concen: 49.481 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.003 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

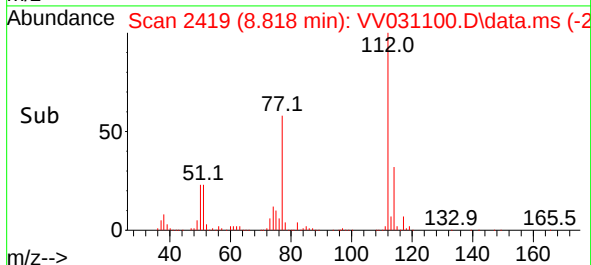
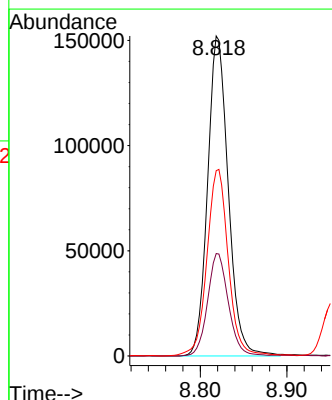
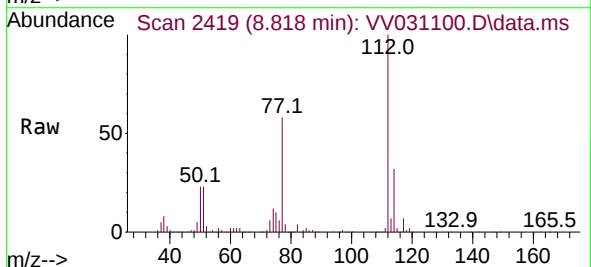
Tgt Ion:112 Resp: 252322

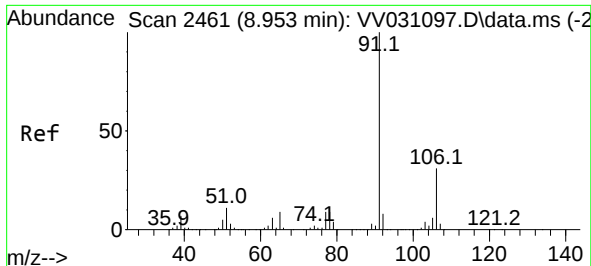
Ion Ratio Lower Upper

112 100

114 32.0 23.0 42.8

77 57.9 46.2 69.4





#52

Ethylbenzene

Concen: 50.952 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

Instrument :

MSVOA_V

ClientSampleId :

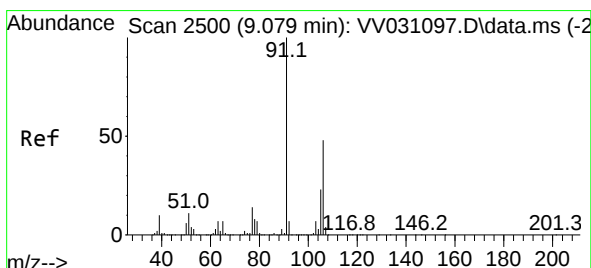
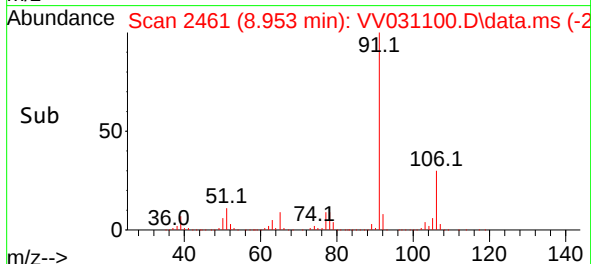
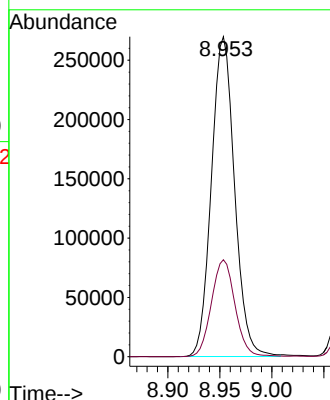
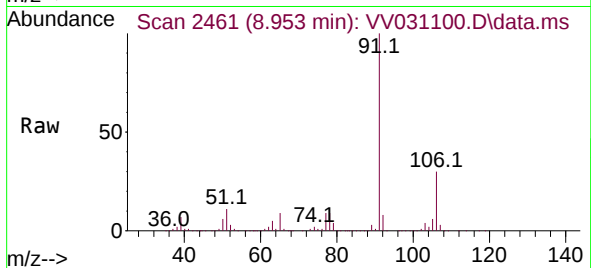
VICV226

Tgt Ion: 91 Resp: 417956

Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



#53

m,p-Xylene

Concen: 51.349 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031100.D

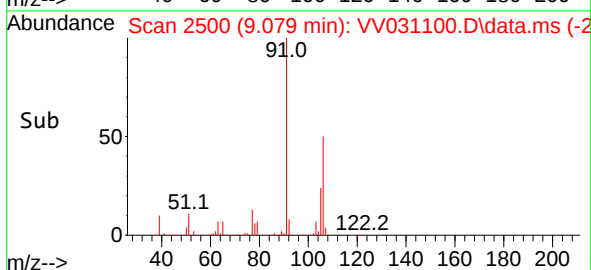
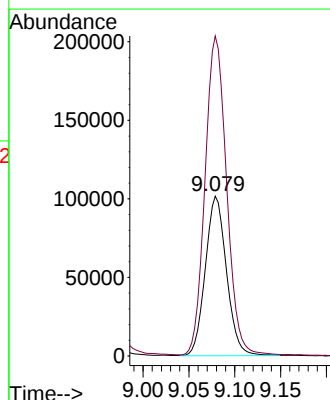
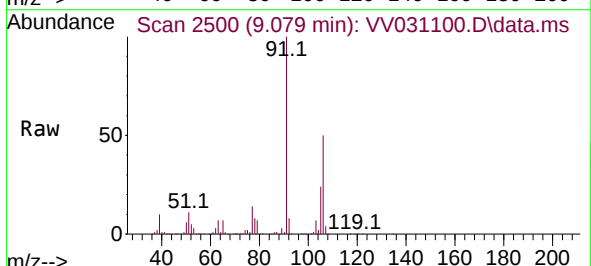
Acq: 19 May 2023 11:55

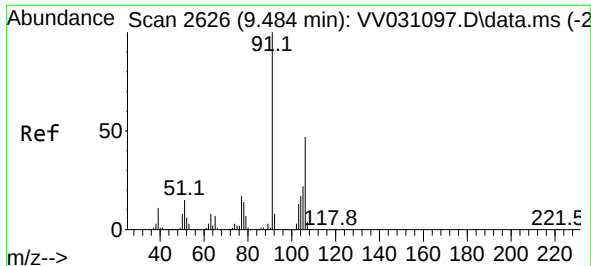
Tgt Ion: 106 Resp: 163391

Ion Ratio Lower Upper

106 100

91 200.3 145.3 269.8

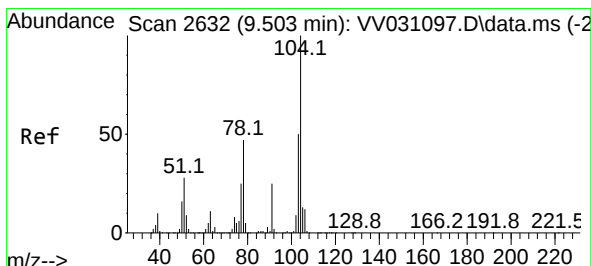
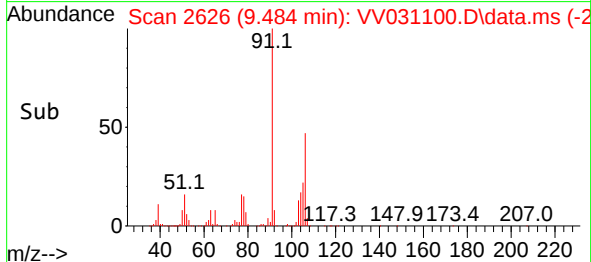
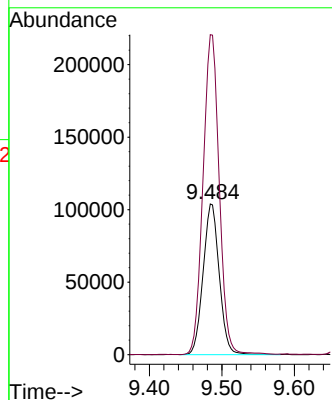
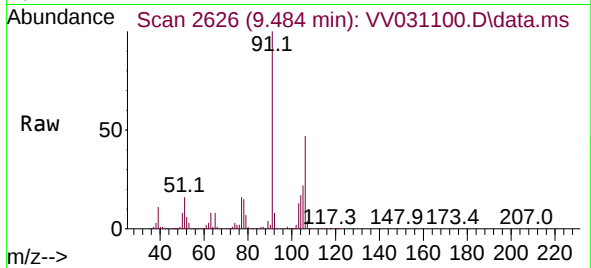




#54
o-Xylene
Concen: 51.167 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

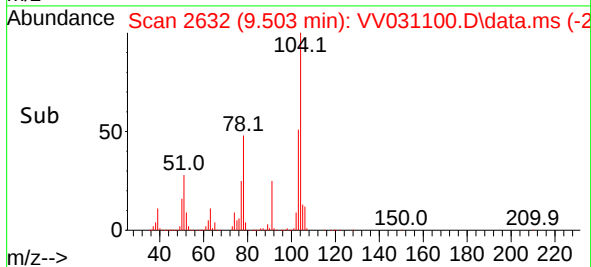
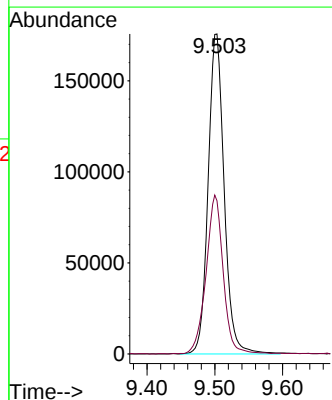
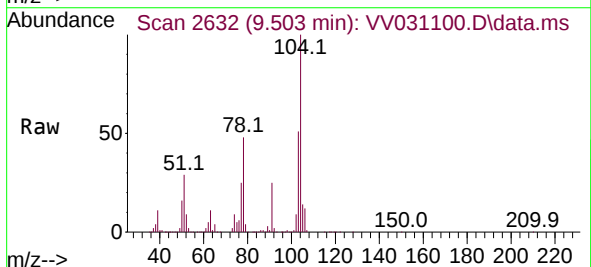
Instrument :
MSVOA_V
ClientSampleId :
VICV226

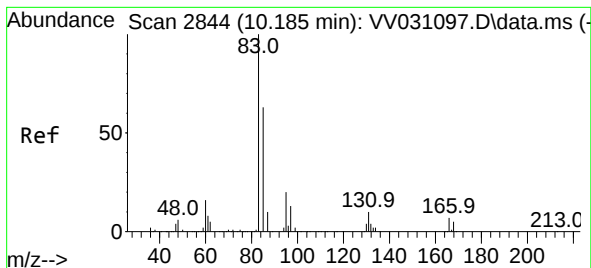
Tgt Ion:106 Resp: 160613
Ion Ratio Lower Upper
106 100
91 212.2 150.4 279.2



#55
Styrene
Concen: 52.071 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

Tgt Ion:104 Resp: 289076
Ion Ratio Lower Upper
104 100
78 47.8 33.2 61.6

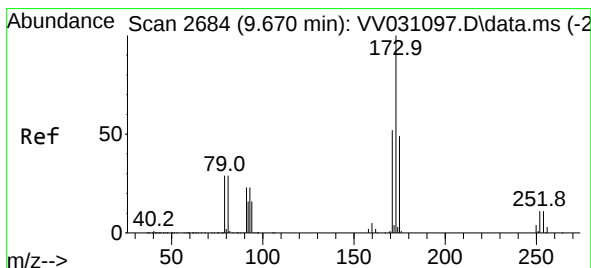
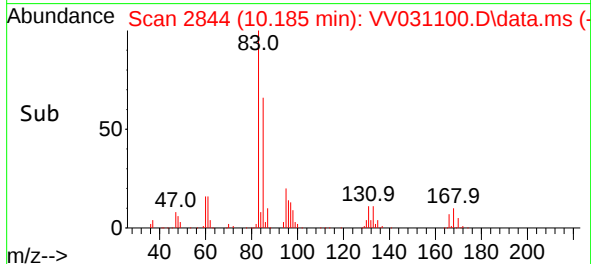
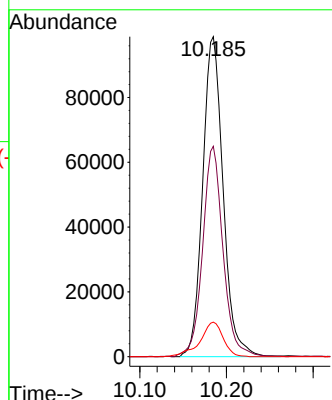
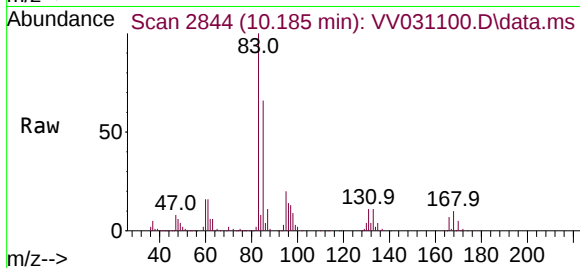




#57
1,1,2,2-Tetrachloroethane
Concen: 49.599 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

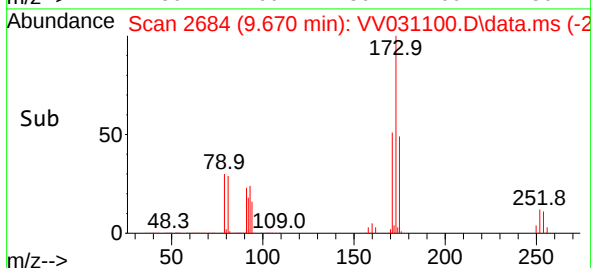
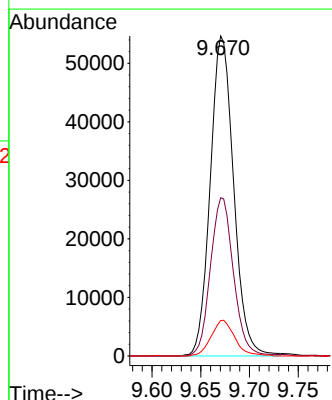
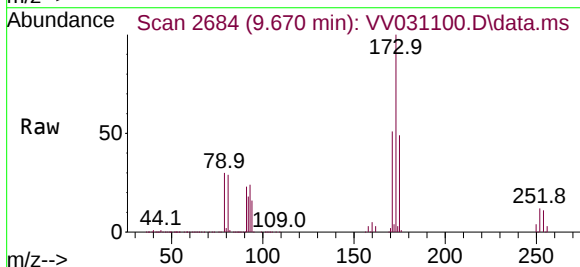
Instrument :
MSVOA_V
ClientSampleId :
VICV226

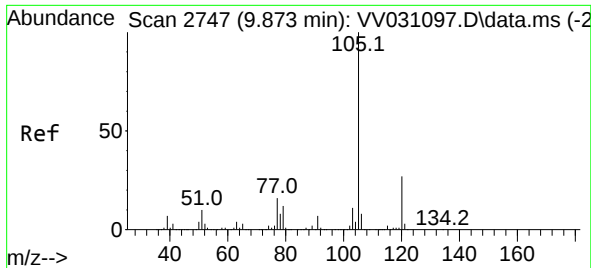
Tgt Ion: 83 Resp: 162083
Ion Ratio Lower Upper
83 100
85 65.8 45.0 83.6
131 10.8 9.2 13.8



#59
Bromoform
Concen: 47.699 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

Tgt Ion: 173 Resp: 91370
Ion Ratio Lower Upper
173 100
175 48.7 38.8 58.2
254 11.3 8.8 13.2

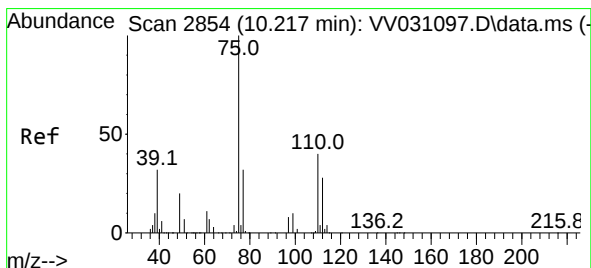
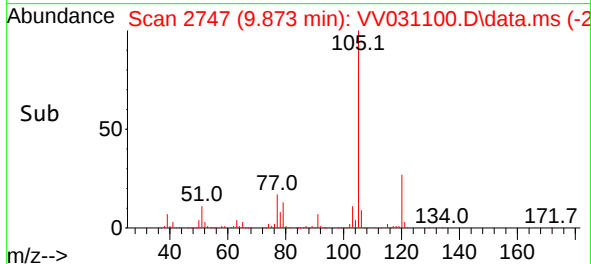
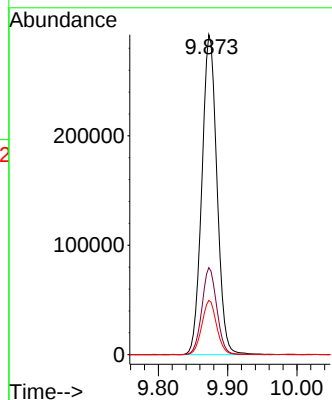
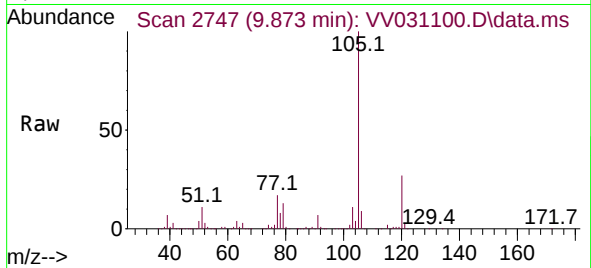




#60
Isopropylbenzene
Concen: 50.203 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

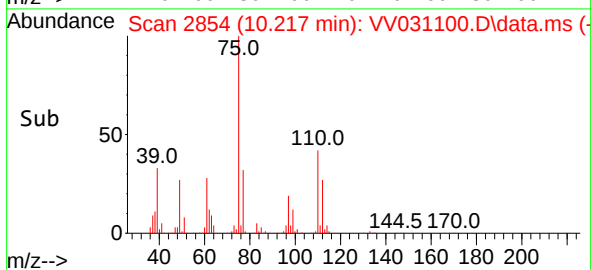
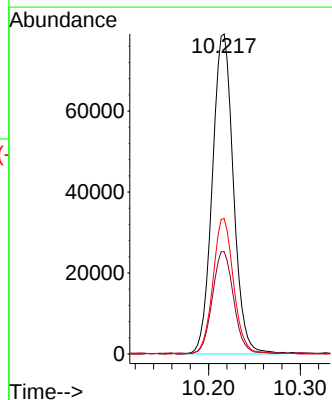
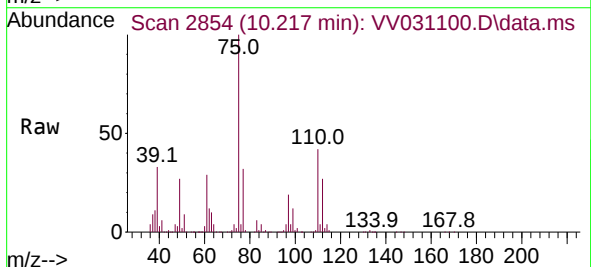
Instrument :
MSVOA_V
ClientSampleId :
VICV226

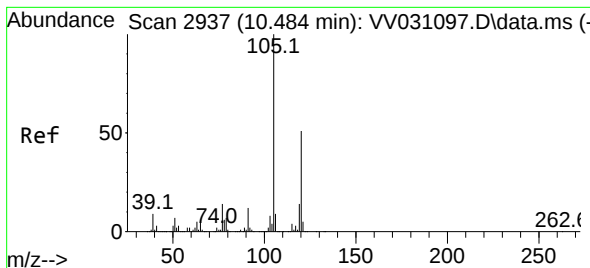
Tgt Ion:105 Resp: 443554
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.0
77 16.5 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 49.650 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV031100.D
Acq: 19 May 2023 11:55

Tgt Ion: 75 Resp: 126183
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3
110 41.6 32.5 48.7

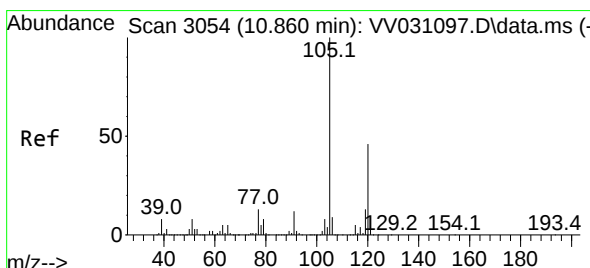
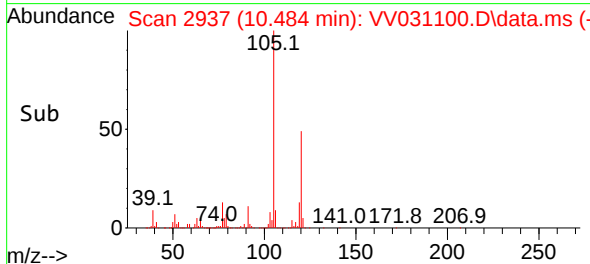
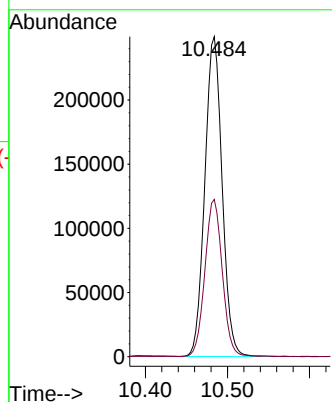
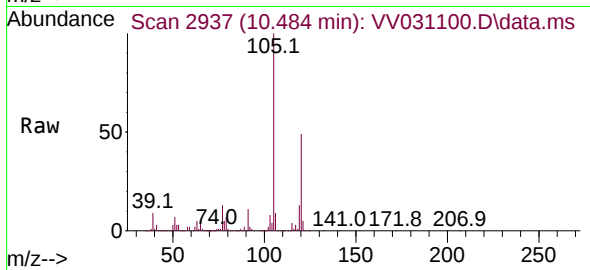




#62
 1,3,5-Trimethylbenzene
 Concen: 50.278 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031100.D
 Acq: 19 May 2023 11:55

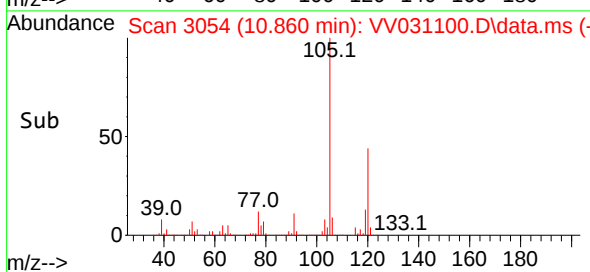
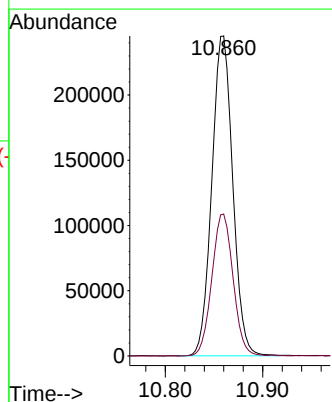
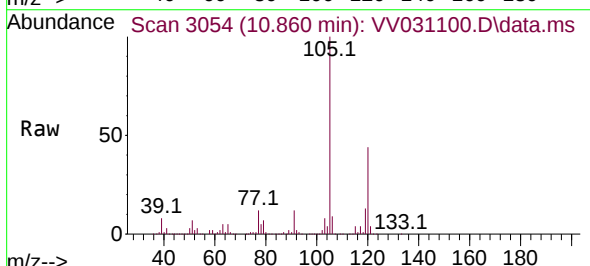
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV226

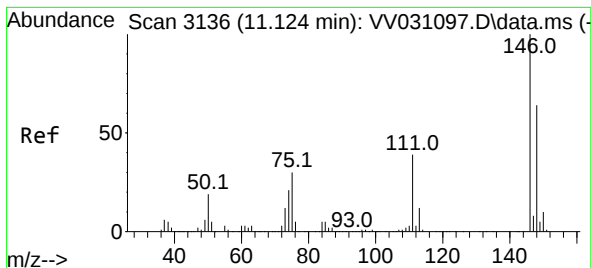
Tgt Ion:105 Resp: 365138
 Ion Ratio Lower Upper
 105 100
 120 49.6 40.5 60.7



#63
 1,2,4-Trimethylbenzene
 Concen: 51.549 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.000 min
 Lab File: VV031100.D
 Acq: 19 May 2023 11:55

Tgt Ion:105 Resp: 366050
 Ion Ratio Lower Upper
 105 100
 120 45.0 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 50.512 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

Instrument :

MSVOA_V

ClientSampleId :

VICV226

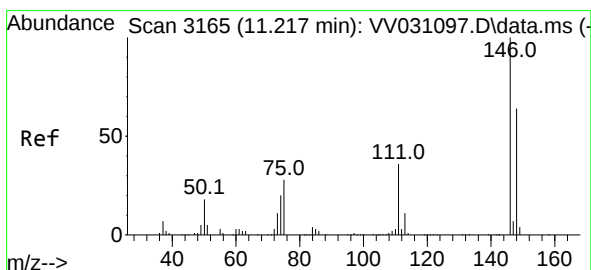
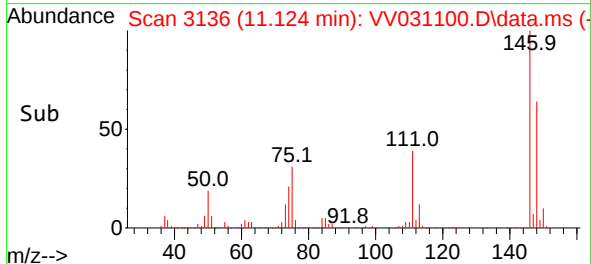
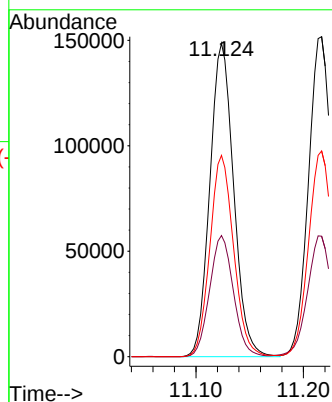
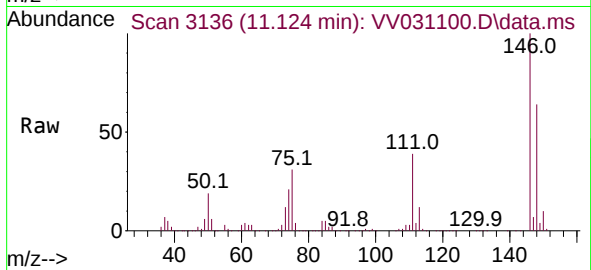
Tgt Ion:146 Resp: 228672

Ion Ratio Lower Upper

146 100

111 38.6 27.2 50.4

148 64.2 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 50.378 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

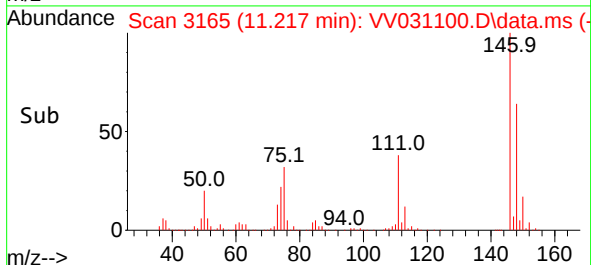
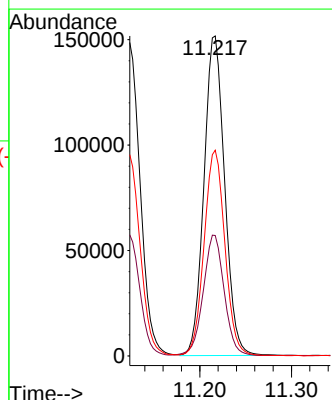
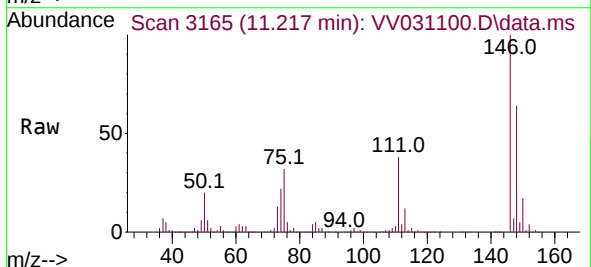
Tgt Ion:146 Resp: 237264

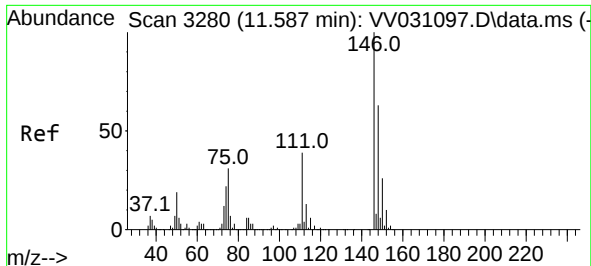
Ion Ratio Lower Upper

146 100

111 37.6 25.5 47.3

148 64.3 44.5 82.7

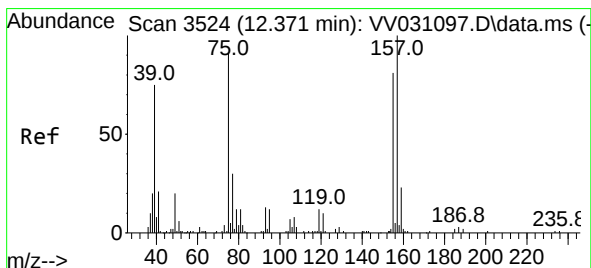
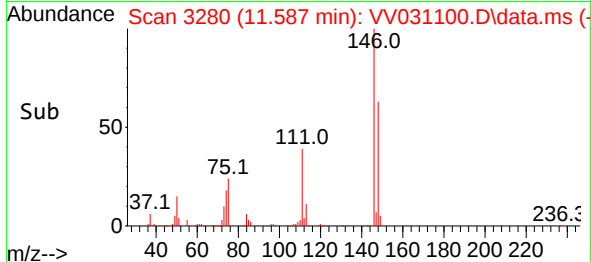
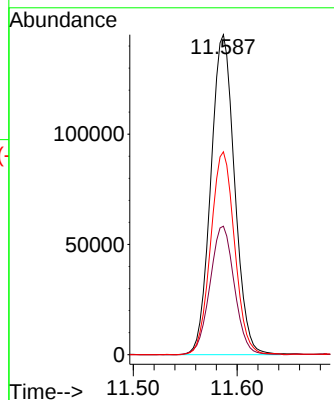
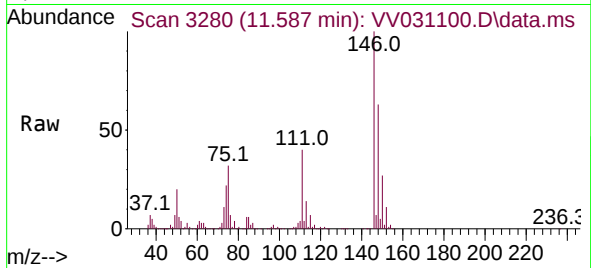




#67
 1,2-Dichlorobenzene
 Concen: 50.215 ug/L
 RT: 11.587 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VV031100.D
 Acq: 19 May 2023 11:55

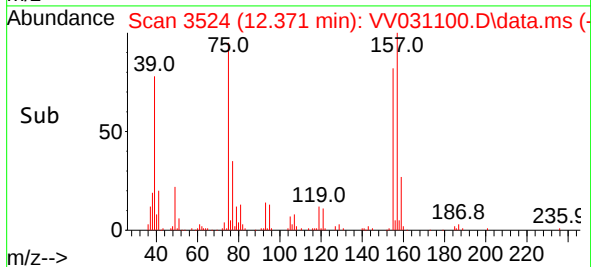
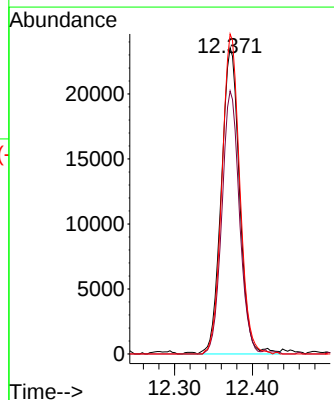
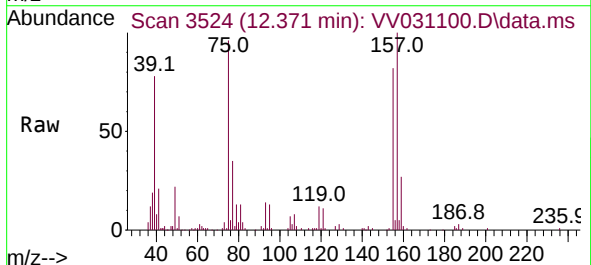
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV226

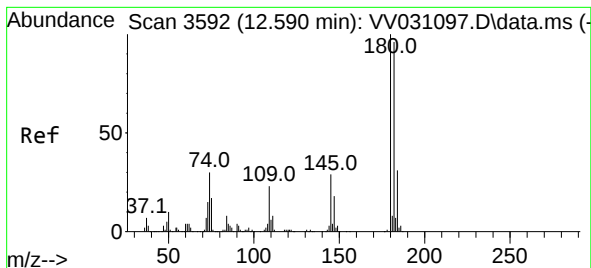
Tgt Ion:146 Resp: 230665
 Ion Ratio Lower Upper
 146 100
 111 40.1 31.4 47.2
 148 63.4 50.2 75.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 49.350 ug/L
 RT: 12.371 min Scan# 3524
 Delta R.T. 0.000 min
 Lab File: VV031100.D
 Acq: 19 May 2023 11:55

Tgt Ion: 75 Resp: 38500
 Ion Ratio Lower Upper
 75 100
 155 85.9 70.9 106.3
 157 104.5 88.1 132.1





#69

1,3,5-Trichlorobenzene

Concen: 50.816 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

Instrument :

MSVOA_V

ClientSampleId :

VICV226

Tgt Ion:180 Resp: 177834

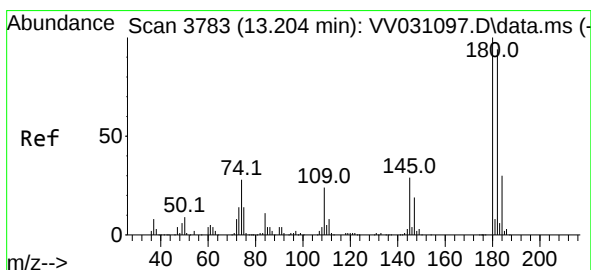
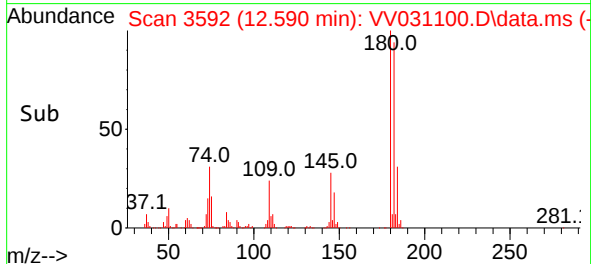
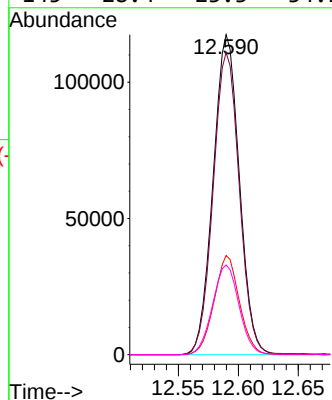
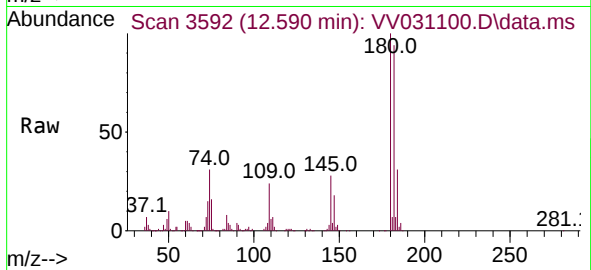
Ion Ratio Lower Upper

180 100

182 94.4 76.6 115.0

184 30.0 24.6 37.0

145 28.4 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 53.274 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

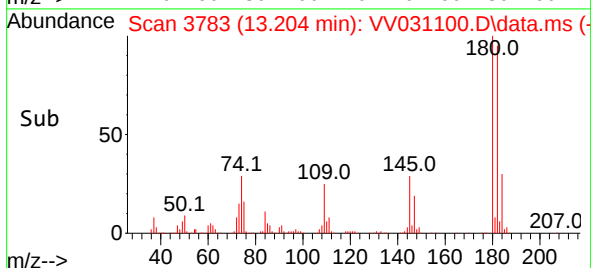
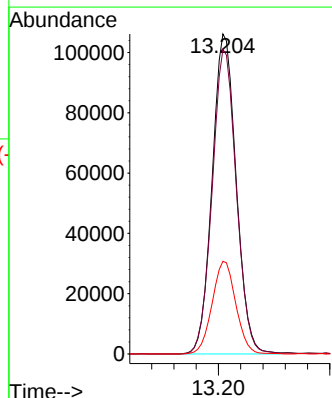
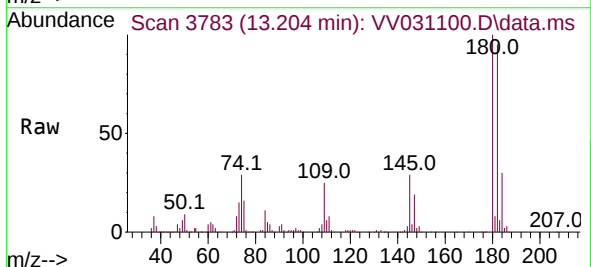
Tgt Ion:180 Resp: 158665

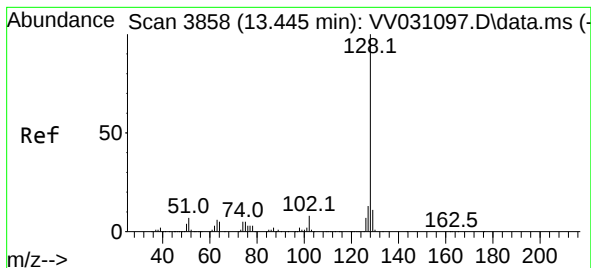
Ion Ratio Lower Upper

180 100

182 95.7 75.4 113.2

145 28.6 23.1 34.7





#71

Naphthalene

Concen: 56.301 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

Instrument :

MSVOA_V

ClientSampleId :

VICV226

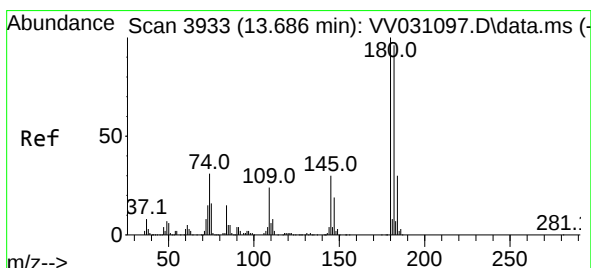
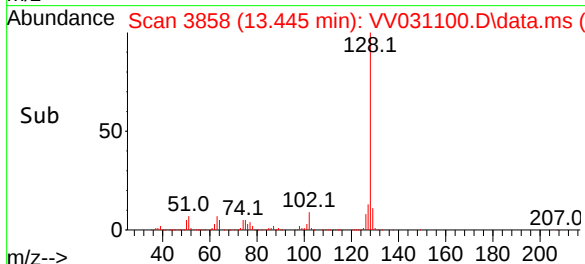
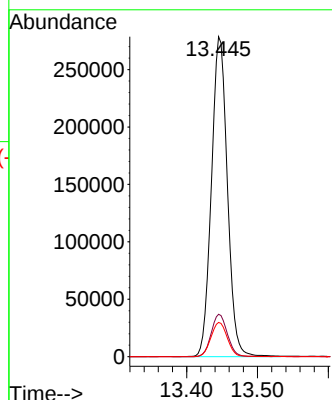
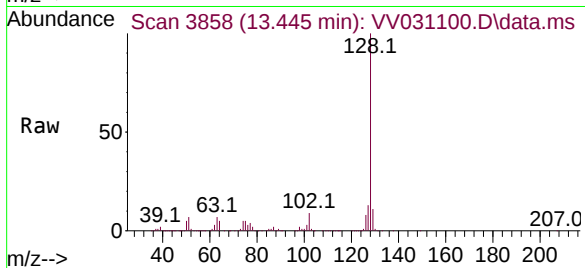
Tgt Ion:128 Resp: 435549

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 54.136 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031100.D

Acq: 19 May 2023 11:55

Tgt Ion:180 Resp: 161117

Ion Ratio Lower Upper

180 100

182 96.2 75.4 113.0

145 30.8 24.2 36.4

