

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052223\
 Data File : VW031173.D
 Acq On : 22 May 2023 18:07
 Operator : SY/MD
 Sample : 02861-17MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FL8MSD

Quant Time: May 23 04:54:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 23 04:42:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	260584	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	256208	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	151150	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	69223	31.083	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.160%
7) Chloroethane-d5	1.535	69	63408	36.959	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.920%
11) 1,1-Dichloroethene-d2	2.063	65	36202	34.666	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.340%
21) 2-Butanone-d5	3.799	46	112536	94.835	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.830%
24) Chloroform-d	4.259	84	165190	41.929	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.860%
26) 1,2-Dichloroethane-d4	4.950	65	115655	43.443	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.880%
32) Benzene-d6	4.969	84	279069	40.179	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.360%
36) 1,2-Dichloropropane-d6	5.995	67	84386	40.606	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.220%
41) Toluene-d8	7.249	98	258948	39.946	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.900%#
43) trans-1,3-Dichloroprop...	7.558	79	46015	44.133	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.260%
47) 2-Hexanone-d5	8.034	63	74184	91.554	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.550%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	137735	44.188	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.380%
66) 1,2-Dichlorobenzene-d4	11.567	152	117135	43.125	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	78536	46.684	ug/L	99
3) Chloromethane	1.217	50	84245	45.741	ug/L	99
5) Vinyl chloride	1.285	62	78902	47.963	ug/L	98
6) Bromomethane	1.490	94	41227	44.718	ug/L	99
8) Chloroethane	1.552	64	54178	51.109	ug/L	99
9) Trichlorofluoromethane	1.716	101	158201	48.894	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	81425	47.720	ug/L	96
12) 1,1-Dichloroethene	2.076	96	70024	48.376	ug/L	83
13) Acetone	2.124	43	147843	95.833	ug/L	99
14) Carbon disulfide	2.246	76	124949	47.368	ug/L	99
15) Methyl Acetate	2.381	43	92685	52.862	ug/L	98
16) Methylene chloride	2.455	84	77611	48.162	ug/L	100
17) trans-1,2-Dichloroethene	2.699	96	65170	48.696	ug/L	99
18) Methyl tert-butyl Ether	2.712	73	272612	52.730	ug/L	98
19) 1,1-Dichloroethane	3.117	63	152700	50.066	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	83610	50.679	ug/L	99
22) 2-Butanone	3.879	43	143791	97.196	ug/L	96
23) Bromochloromethane	4.159	128	46557	51.353	ug/L	95
25) Chloroform	4.285	83	174150	51.114	ug/L	98

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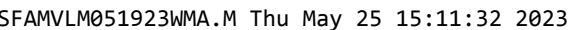
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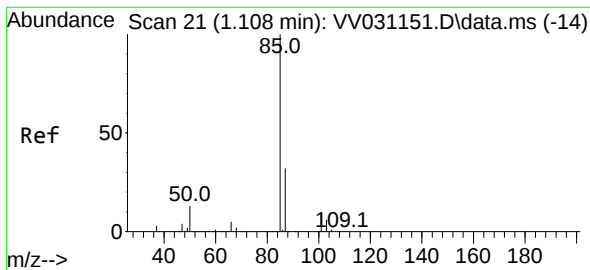
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	150558	52.082	ug/L	99
29) Cyclohexane	4.593	56	99068	49.138	ug/L	100
30) 1,1,1-Trichloroethane	4.519	97	160293	50.984	ug/L	98
31) Carbon tetrachloride	4.744	117	139559	50.954	ug/L	99
33) Benzene	5.018	78	313751	51.116	ug/L	100
34) Trichloroethene	5.841	95	80986	49.242	ug/L	97
35) Methylcyclohexane	6.059	83	107691	49.345	ug/L	99
37) 1,2-Dichloropropane	6.101	63	88717	52.514	ug/L	99
38) Bromodichloromethane	6.439	83	131012	50.026	ug/L #	97
39) cis-1,3-Dichloropropene	6.960	75	132328	50.796	ug/L	96
40) 4-Methyl-2-pentanone	7.165	43	276512	106.365	ug/L	99
42) Toluene	7.323	91	351687	52.958	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	138228	52.451	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	94643	51.338	ug/L	99
46) Tetrachloroethene	7.911	164	70117	49.650	ug/L	94
48) 2-Hexanone	8.082	43	216294	99.893	ug/L	99
49) Dibromochloromethane	8.181	129	105597	50.768	ug/L	99
50) 1,2-Dibromoethane	8.288	107	93509	51.018	ug/L	98
51) Chlorobenzene	8.821	112	237588	50.265	ug/L	99
52) Ethylbenzene	8.953	91	386715	50.861	ug/L	99
53) m,p-Xylene	9.079	106	152887	51.837	ug/L	94
54) o-Xylene	9.484	106	151216	51.972	ug/L	100
55) Styrene	9.503	104	273588	53.167	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	150072	49.545	ug/L	97
59) Bromoform	9.670	173	87238	49.776	ug/L	99
60) Isopropylbenzene	9.873	105	414651	51.294	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	119544	51.411	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	338855	50.996	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	337908	52.010	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	213627	51.576	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	219596	50.961	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	215023	51.162	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	35104	49.180	ug/L	91
69) 1,3,5-Trichlorobenzene	12.590	180	163289	50.997	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	120836	44.344	ug/L	98
71) Naphthalene	13.445	128	308460	43.580	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	118972	43.691	ug/L	100

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

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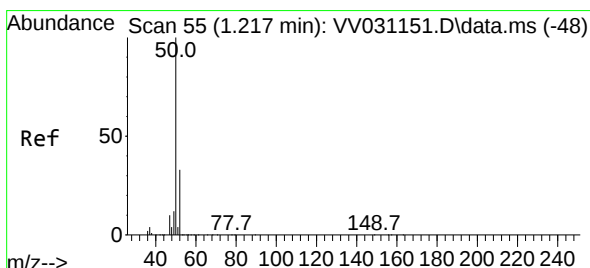
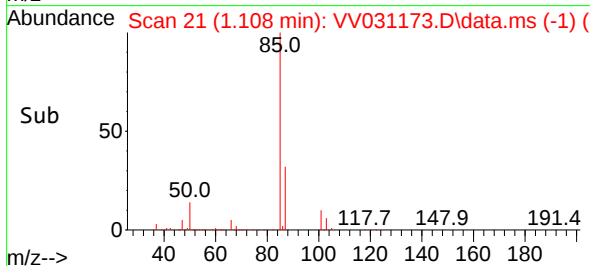
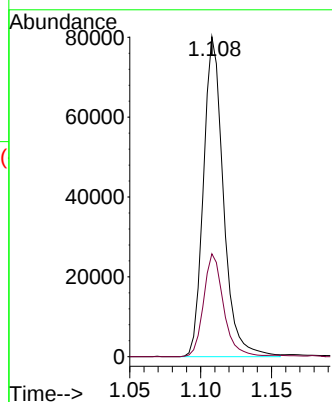
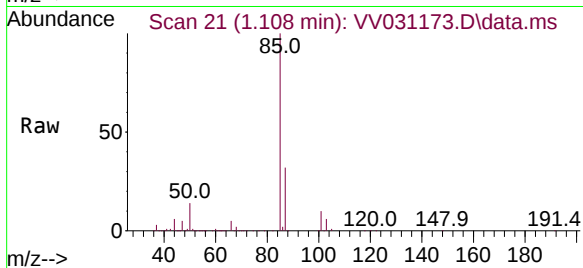




#2
 Dichlorodifluoromethane
 Concen: 46.684 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031173.D
 Acq: 22 May 2023 18:07

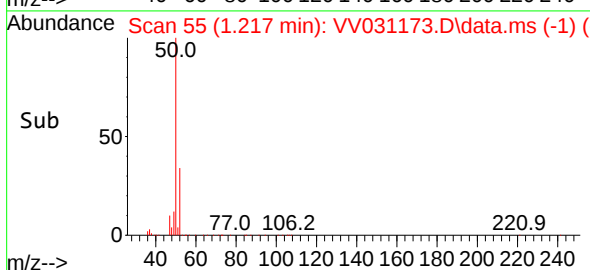
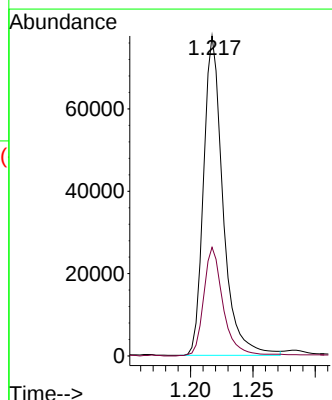
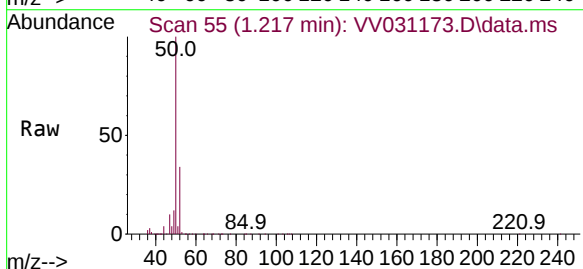
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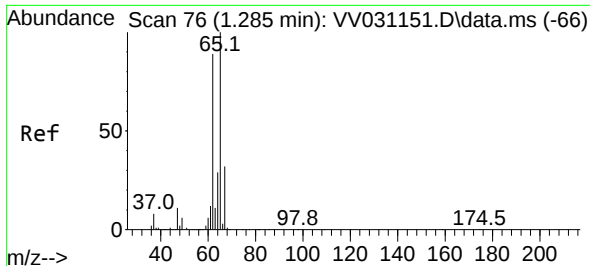
Tgt Ion: 85 Resp: 78536
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.2 37.8



#3
 Chloromethane
 Concen: 45.741 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031173.D
 Acq: 22 May 2023 18:07

Tgt Ion: 50 Resp: 84245
 Ion Ratio Lower Upper
 50 100
 52 34.0 23.3 43.3

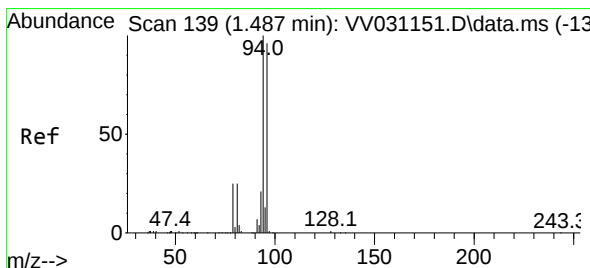
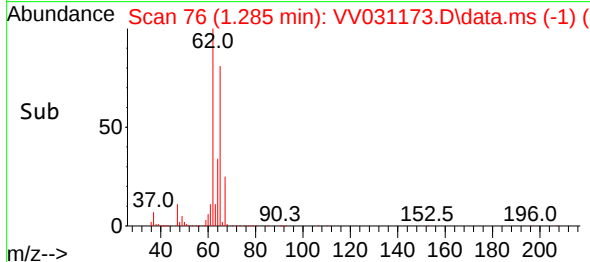
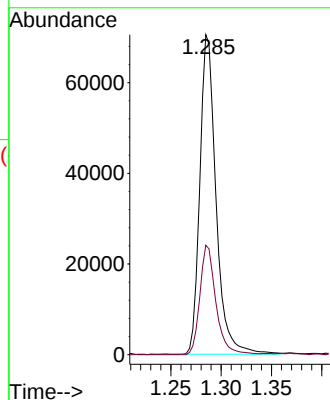
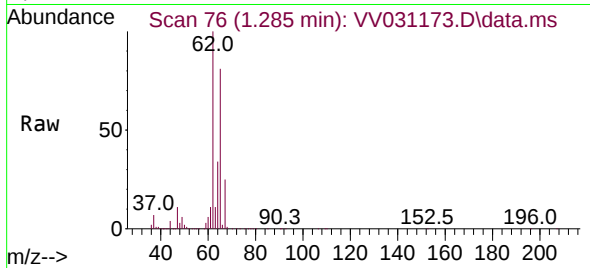




#5
 Vinyl chloride
 Concen: 47.963 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV031173.D
 Acq: 22 May 2023 18:07

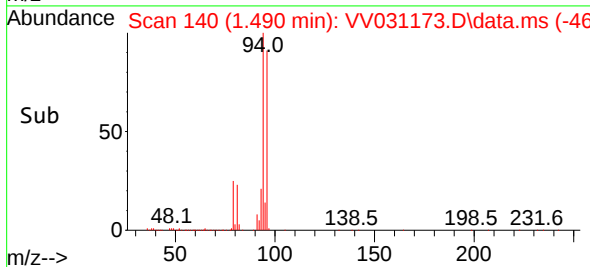
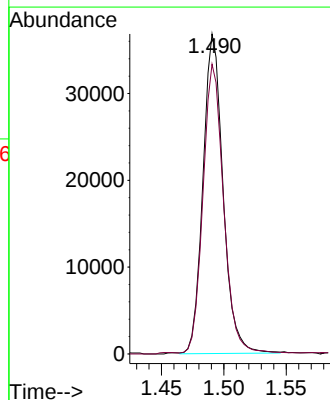
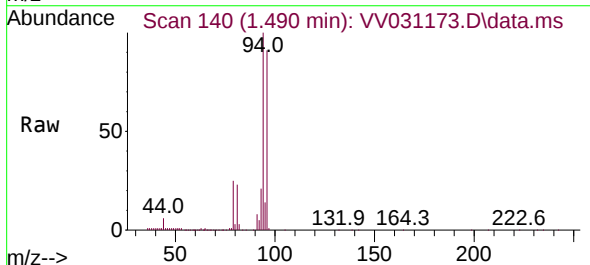
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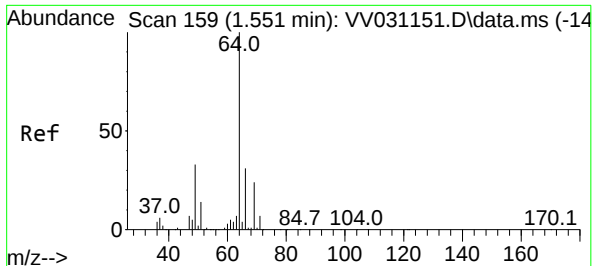
Tgt Ion: 62 Resp: 78902
 Ion Ratio Lower Upper
 62 100
 64 34.2 23.1 42.9



#6
 Bromomethane
 Concen: 44.718 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV031173.D
 Acq: 22 May 2023 18:07

Tgt Ion: 94 Resp: 41227
 Ion Ratio Lower Upper
 94 100
 96 90.6 63.9 118.7

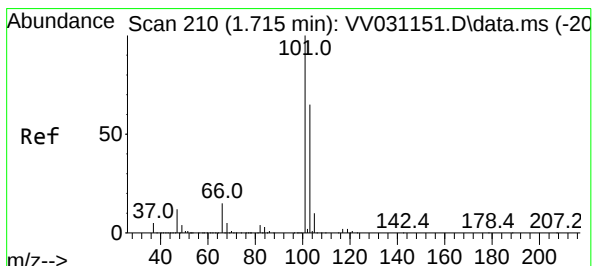
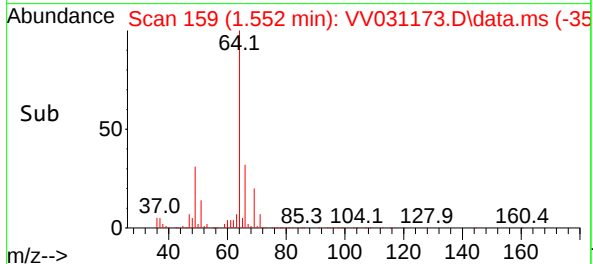
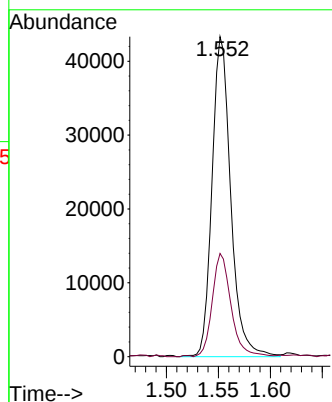
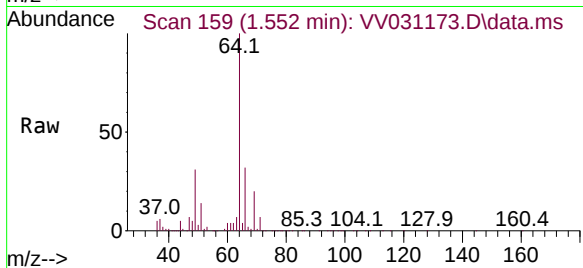




#8
Chloroethane
Concen: 51.109 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

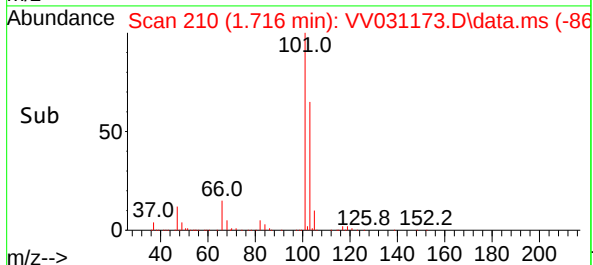
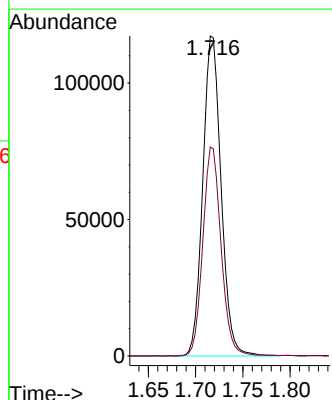
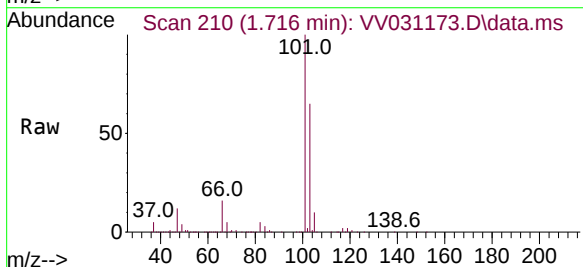
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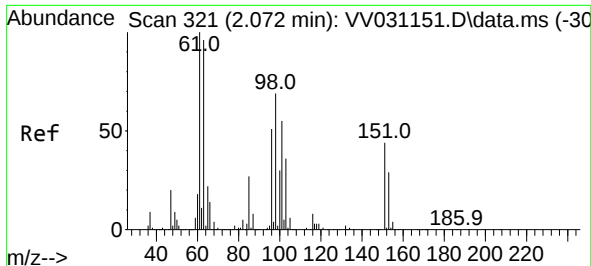
Tgt Ion: 64 Resp: 54178
Ion Ratio Lower Upper
64 100
66 32.2 22.1 41.1



#9
Trichlorofluoromethane
Concen: 48.894 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

Tgt Ion:101 Resp: 158201
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2

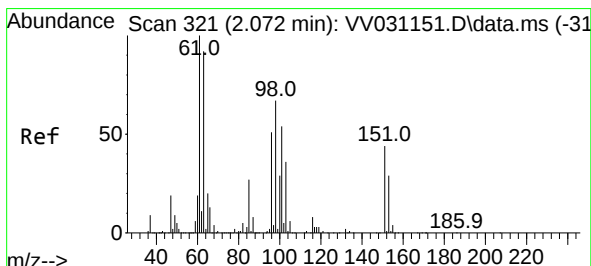
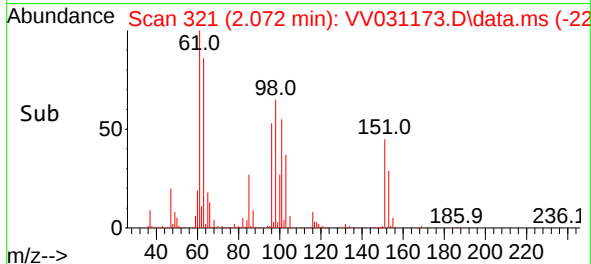
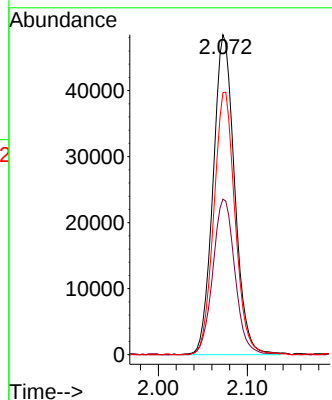
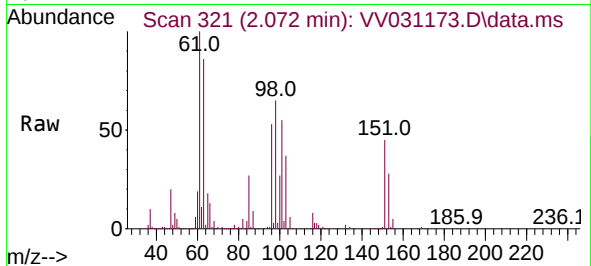




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.720 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031173.D
 Acq: 22 May 2023 18:07

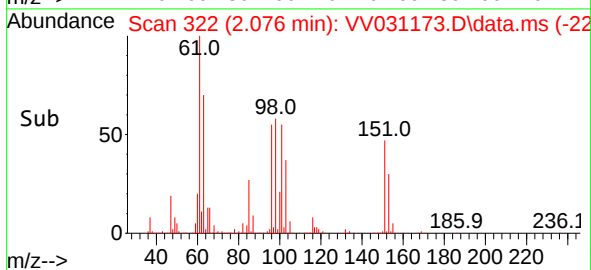
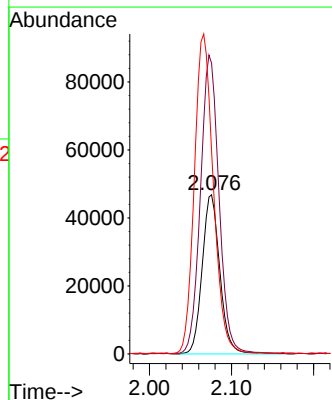
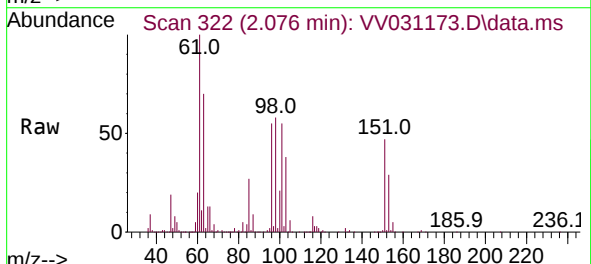
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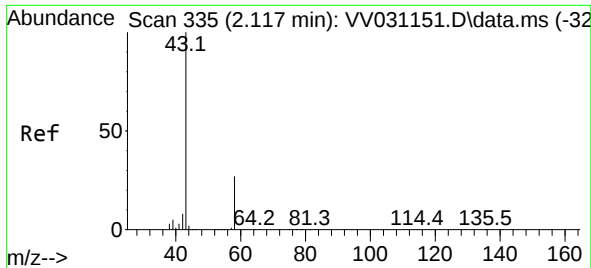
Tgt Ion:101 Resp: 81425
 Ion Ratio Lower Upper
 101 100
 85 49.7 38.0 57.0
 151 81.1 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 48.376 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV031173.D
 Acq: 22 May 2023 18:07

Tgt Ion: 96 Resp: 70024
 Ion Ratio Lower Upper
 96 100
 61 182.6 137.9 256.1
 63 127.8 114.2 212.0





#13

Acetone

Concen: 95.833 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.007 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

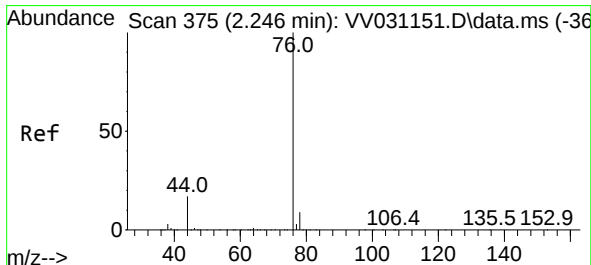
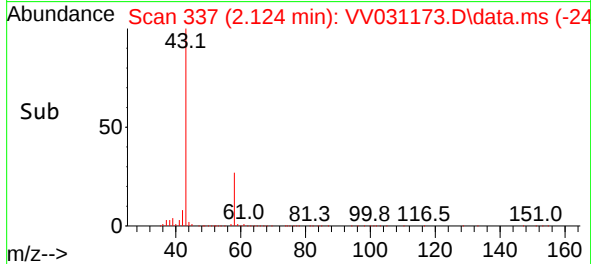
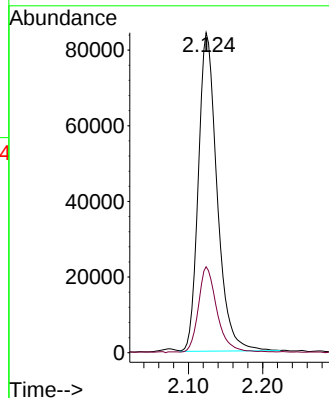
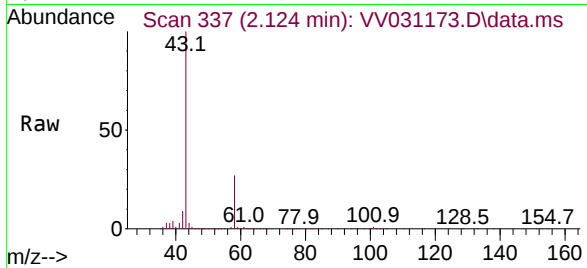
H0FL8MSD

Tgt Ion: 43 Resp: 147843

Ion Ratio Lower Upper

43 100

58 26.3 0.0 54.0



#14

Carbon disulfide

Concen: 47.368 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031173.D

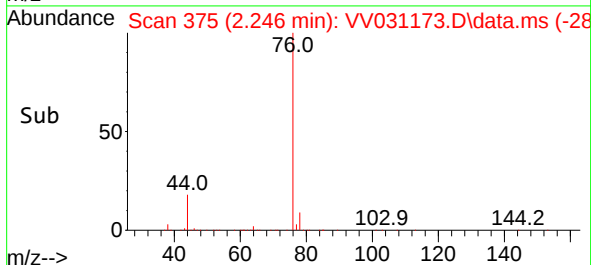
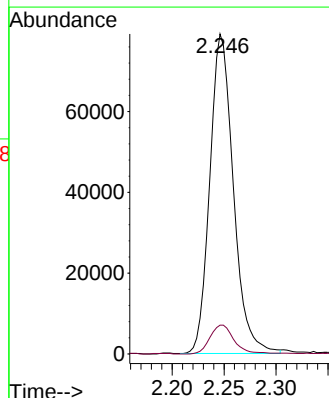
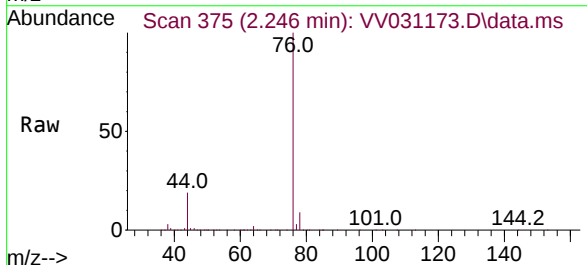
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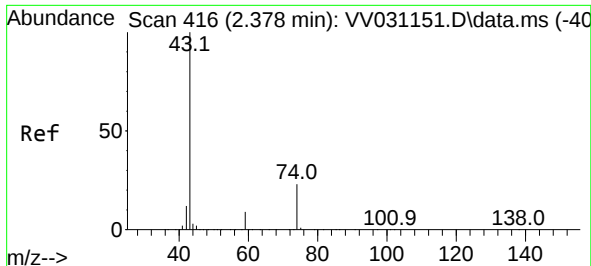
Tgt Ion: 76 Resp: 124949

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

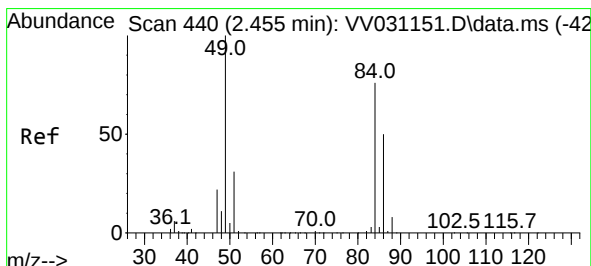
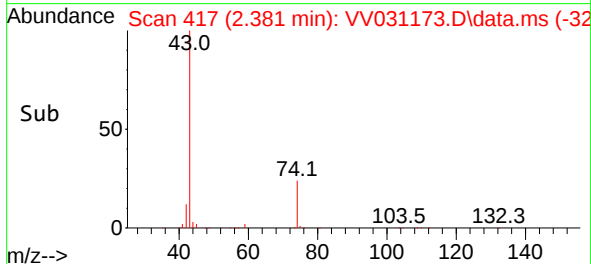
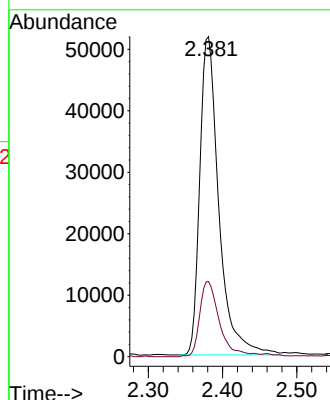
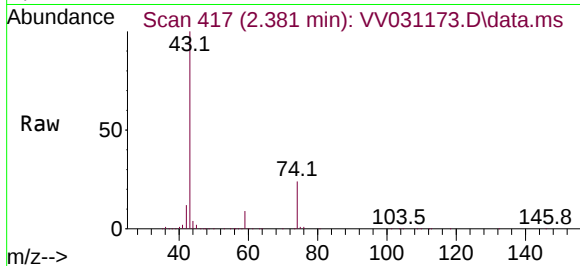




#15
Methyl Acetate
Concen: 52.862 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

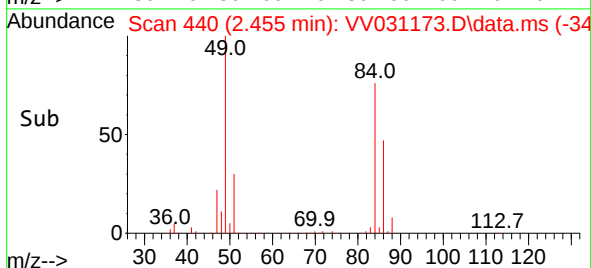
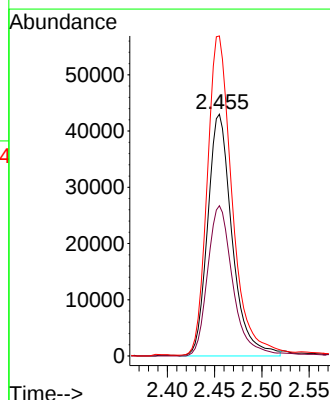
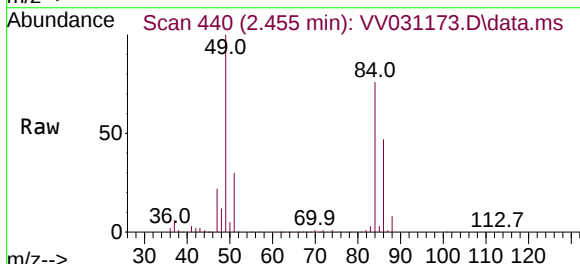
Instrument :
MSVOA_V
ClientSampleId :
H0FL8MSD

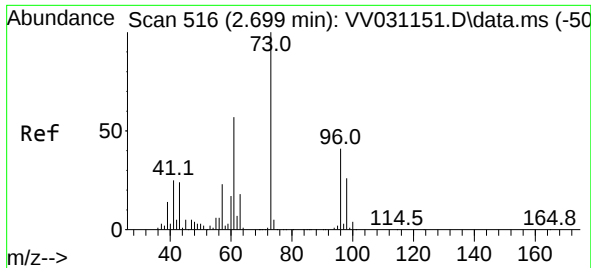
Tgt Ion: 43 Resp: 92685
Ion Ratio Lower Upper
43 100
74 23.6 18.1 27.1



#16
Methylene chloride
Concen: 48.162 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

Tgt Ion: 84 Resp: 77611
Ion Ratio Lower Upper
84 100
86 62.2 43.3 80.3
49 132.3 92.6 172.0

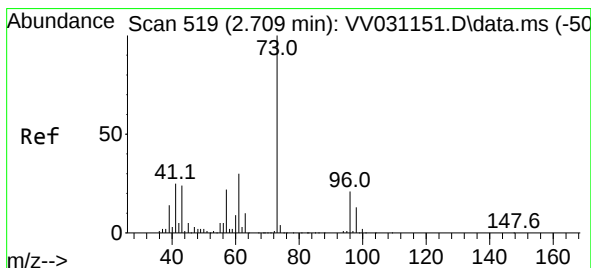
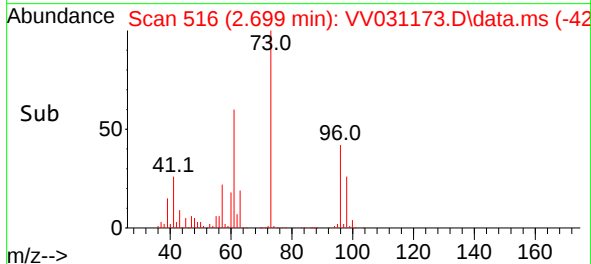
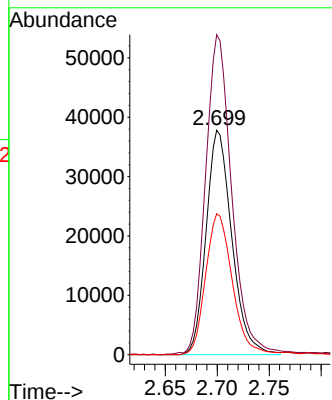
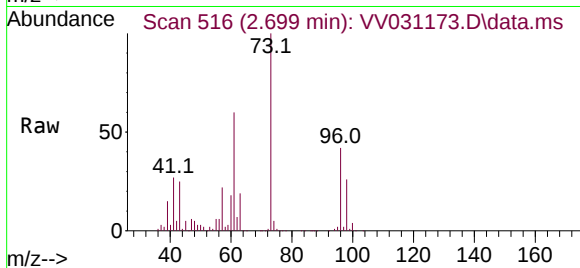




#17
trans-1,2-Dichloroethene
Concen: 48.696 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

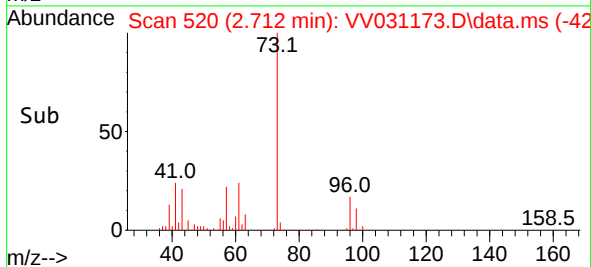
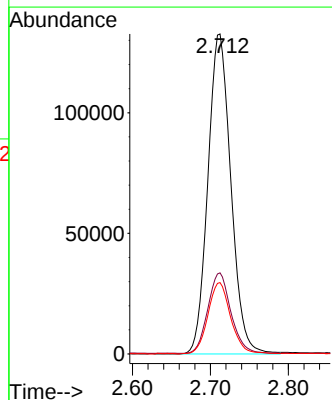
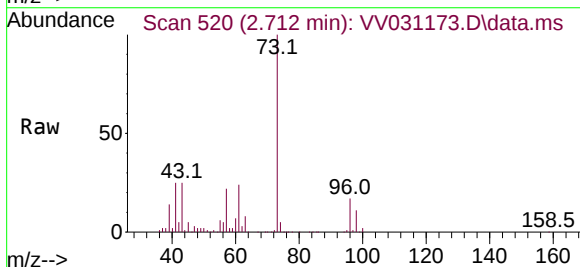
Instrument :
MSVOA_V
ClientSampleId :
H0FL8MSD

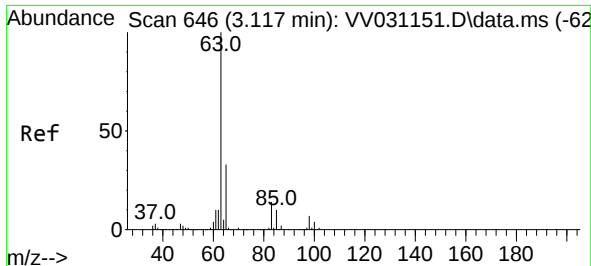
Tgt Ion: 96 Resp: 65170
Ion Ratio Lower Upper
96 100
61 142.5 100.0 185.6
98 62.8 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 52.730 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

Tgt Ion: 73 Resp: 272612
Ion Ratio Lower Upper
73 100
43 25.2 19.4 29.2
57 22.2 17.1 25.7





#19

1,1-Dichloroethane

Concen: 50.066 ug/L

RT: 3.117 min Scan# 646

Delta R.T. 0.000 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

H0FL8MSD

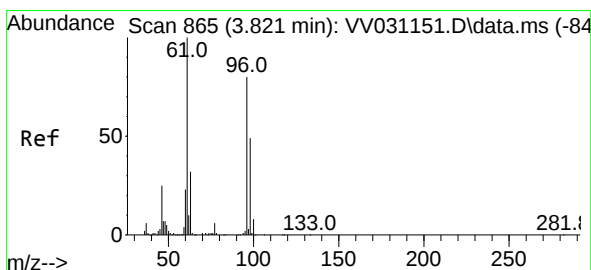
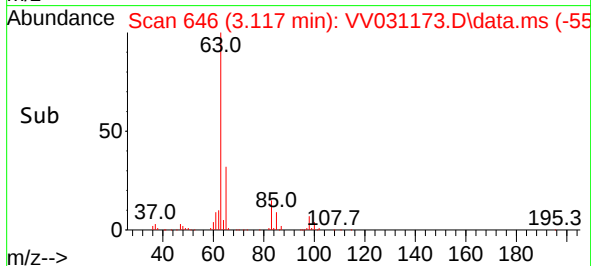
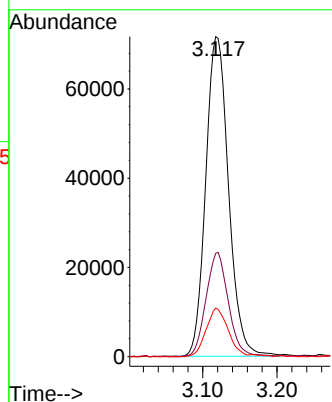
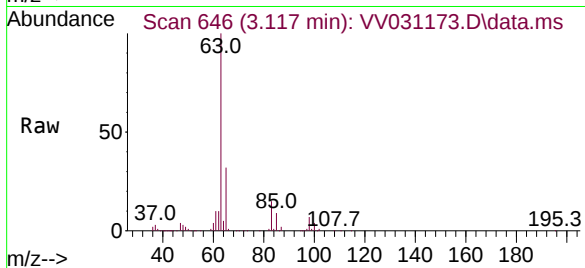
Tgt Ion: 63 Resp: 152700

Ion Ratio Lower Upper

63 100

65 32.3 21.9 40.7

83 15.2 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 50.679 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

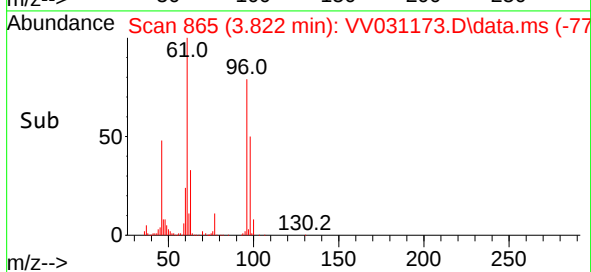
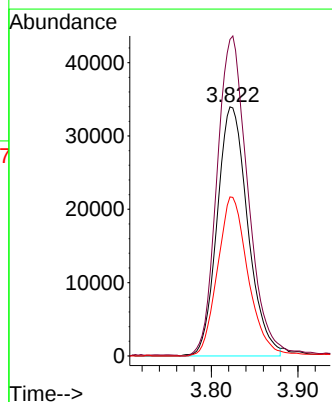
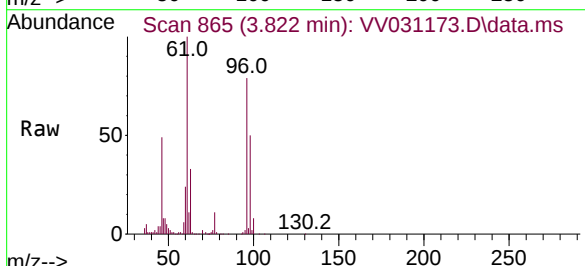
Tgt Ion: 96 Resp: 83610

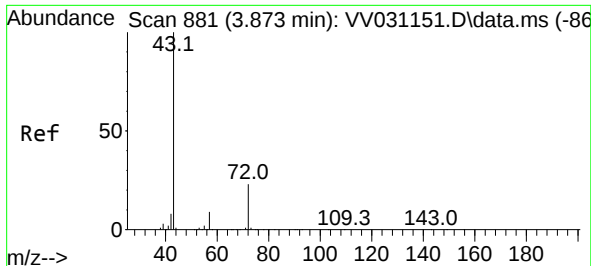
Ion Ratio Lower Upper

96 100

61 127.1 89.2 165.6

98 63.9 43.0 80.0

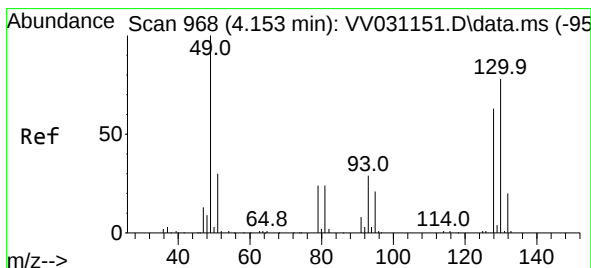
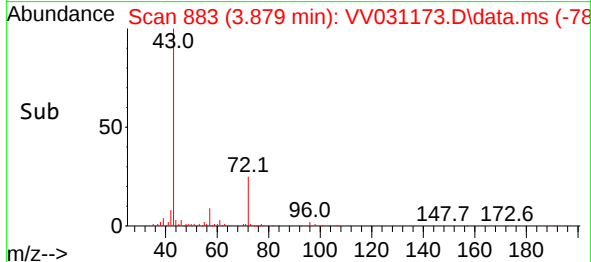
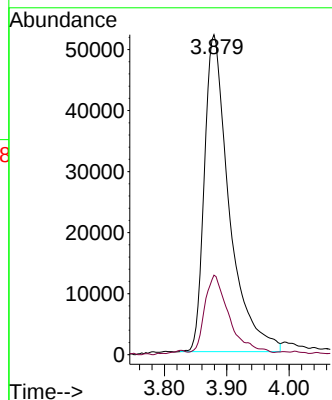
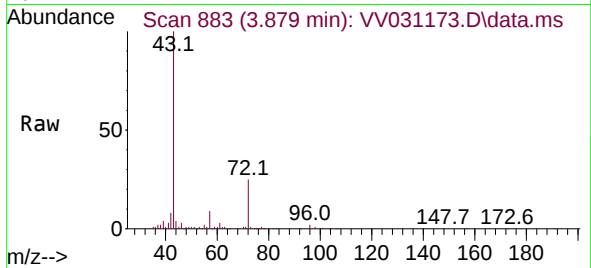




#22
2-Butanone
Concen: 97.196 ug/L
RT: 3.879 min Scan# 881
Delta R.T. 0.007 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

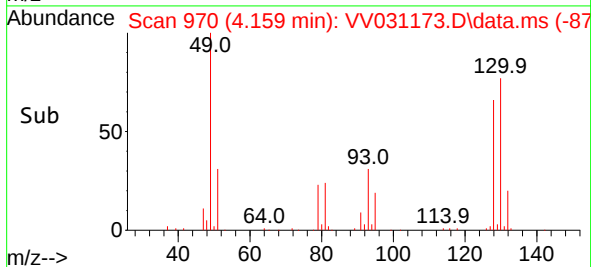
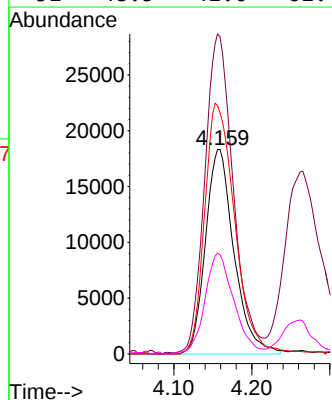
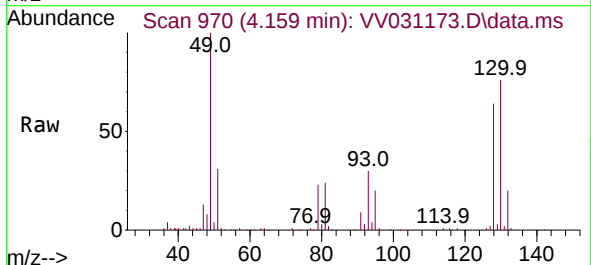
Instrument :
MSVOA_V
ClientSampleId :
H0FL8MSD

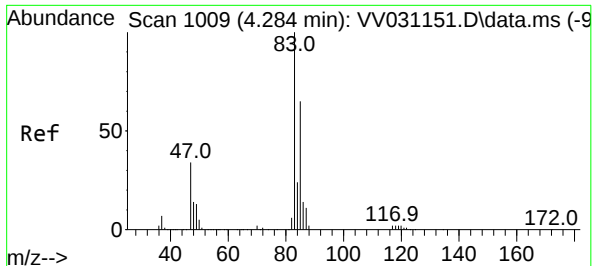
Tgt Ion: 43 Resp: 143791
Ion Ratio Lower Upper
43 100
72 22.0 11.9 35.7



#23
Bromochloromethane
Concen: 51.353 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.007 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

Tgt Ion:128 Resp: 46557
Ion Ratio Lower Upper
128 100
49 155.2 113.2 210.2
130 117.9 87.5 162.5
51 48.5 41.0 61.4





#25

Chloroform

Concen: 51.114 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

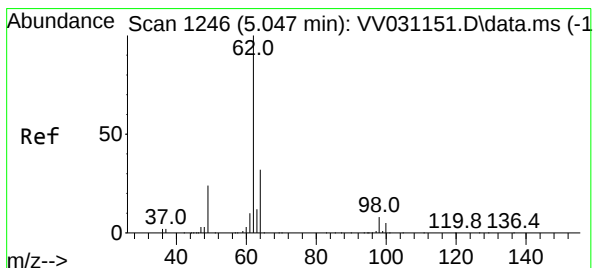
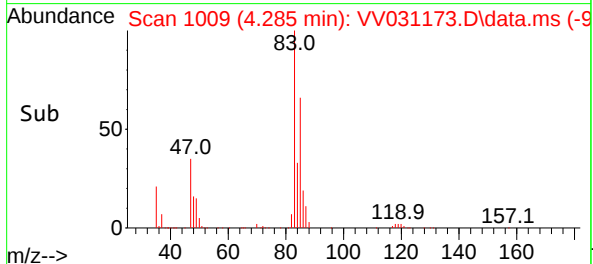
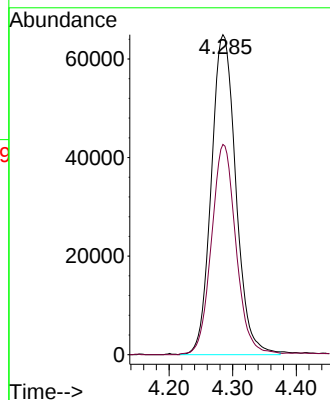
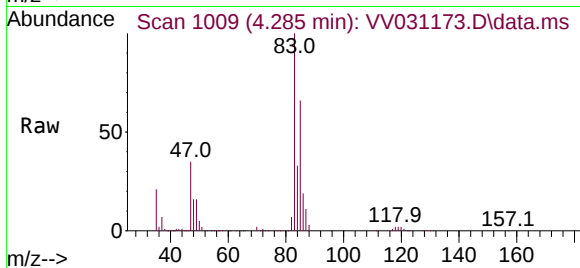
H0FL8MSD

Tgt Ion: 83 Resp: 174150

Ion Ratio Lower Upper

83 100

85 65.7 47.3 87.9



#27

1,2-Dichloroethane

Concen: 52.082 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.003 min

Lab File: VV031173.D

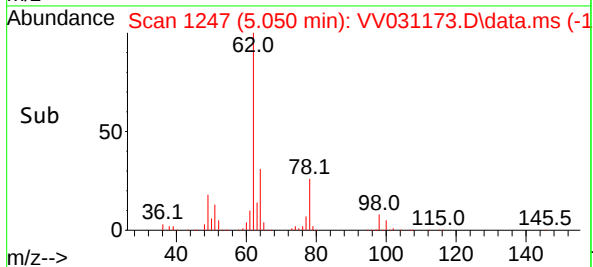
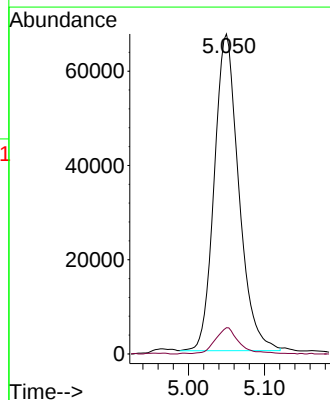
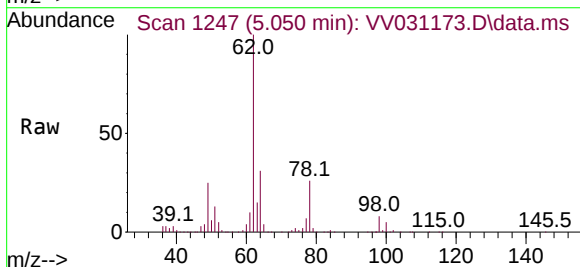
Acq: 22 May 2023 18:07

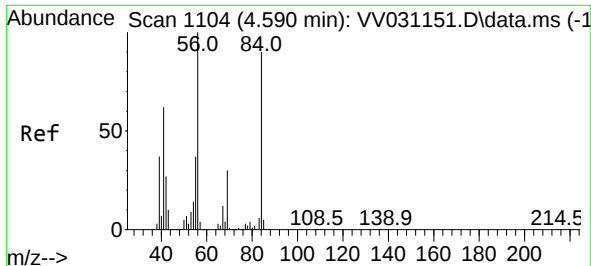
Tgt Ion: 62 Resp: 150558

Ion Ratio Lower Upper

62 100

98 8.2 6.3 9.5





#29

Cyclohexane

Concen: 49.138 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

H0FL8MSD

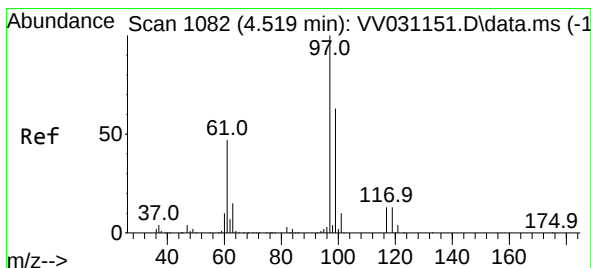
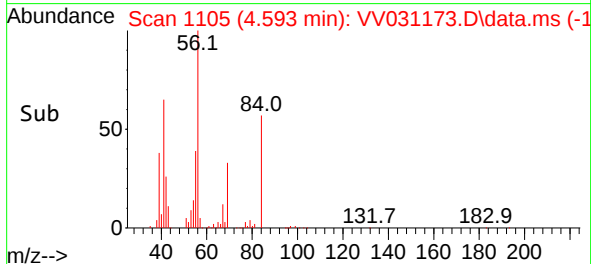
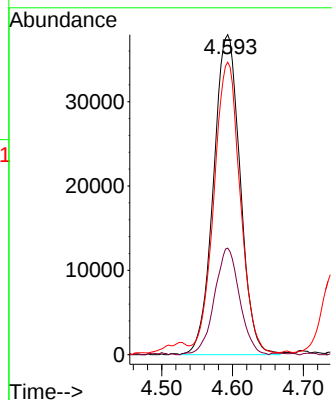
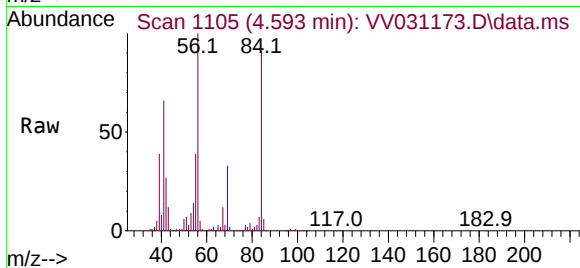
Tgt Ion: 56 Resp: 99068

Ion Ratio Lower Upper

56 100

69 31.5 25.1 37.7

84 89.7 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 50.984 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

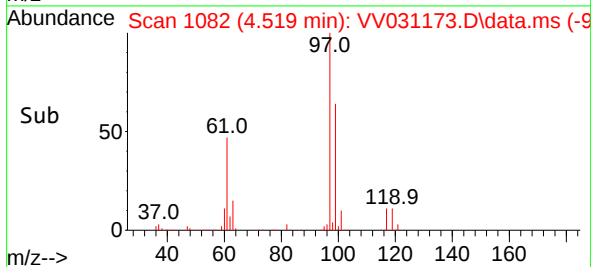
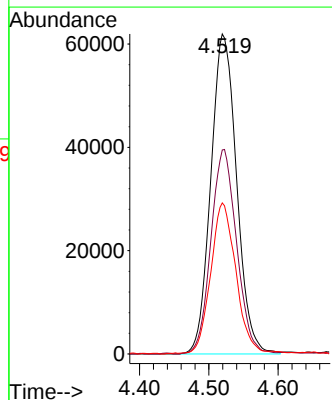
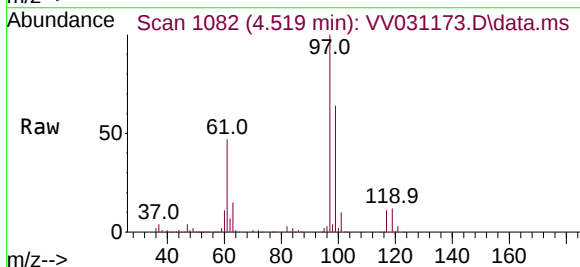
Tgt Ion: 97 Resp: 160293

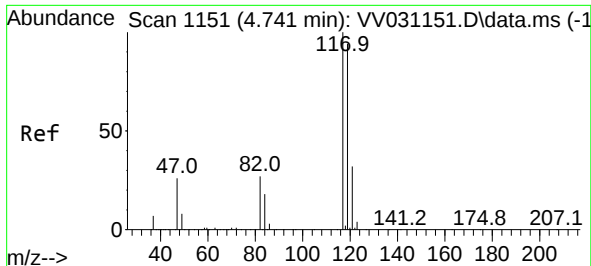
Ion Ratio Lower Upper

97 100

99 63.7 51.9 77.9

61 45.6 38.2 57.2

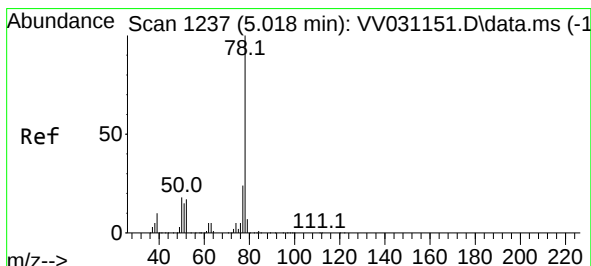
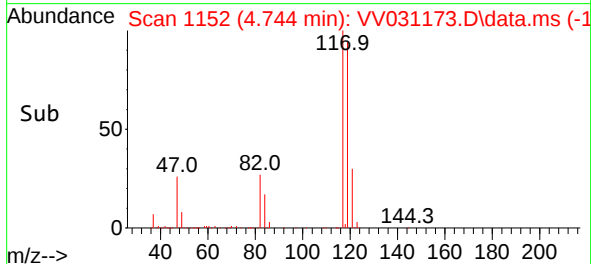
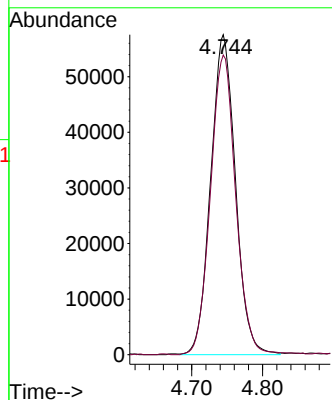
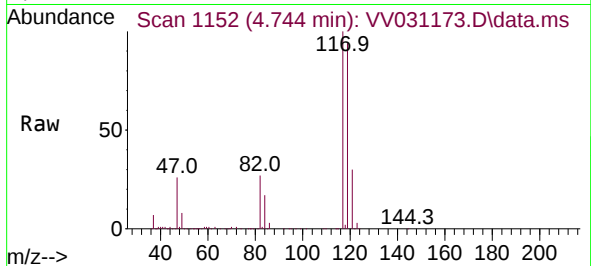




#31
Carbon tetrachloride
Concen: 50.954 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

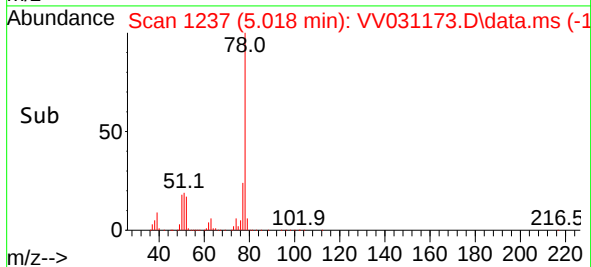
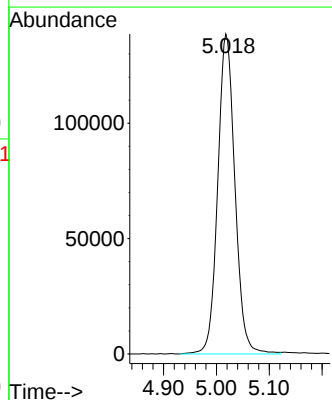
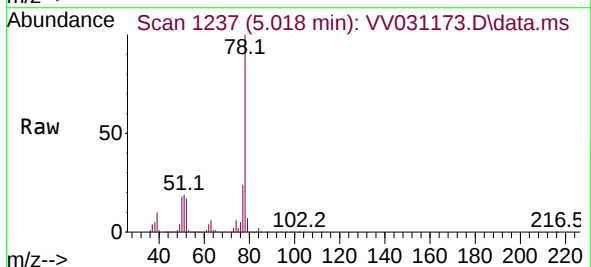
Instrument :
MSVOA_V
ClientSampleId :
H0FL8MSD

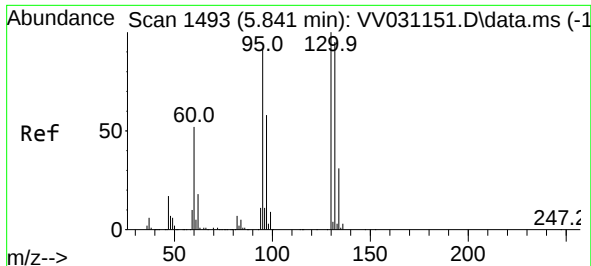
Tgt Ion:117 Resp: 139559
Ion Ratio Lower Upper
117 100
119 95.3 76.9 115.3



#33
Benzene
Concen: 51.116 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

Tgt Ion: 78 Resp: 313751

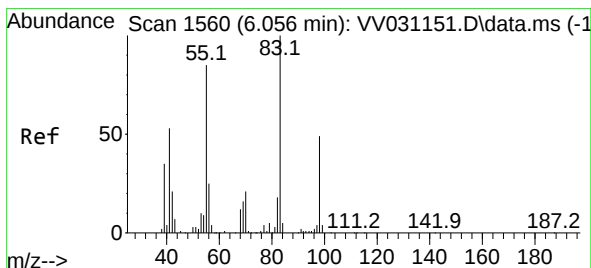
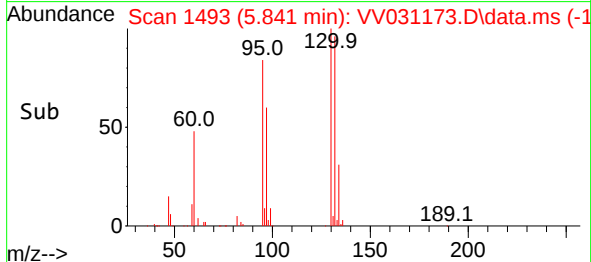
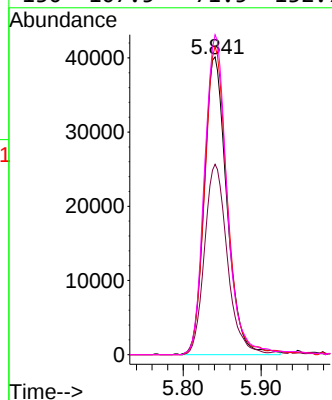
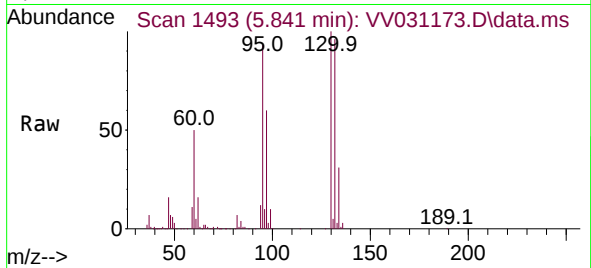




#34
 Trichloroethene
 Concen: 49.242 ug/L
 RT: 5.841 min Scan# 1493
 Delta R.T. 0.000 min
 Lab File: VV031173.D
 Acq: 22 May 2023 18:07

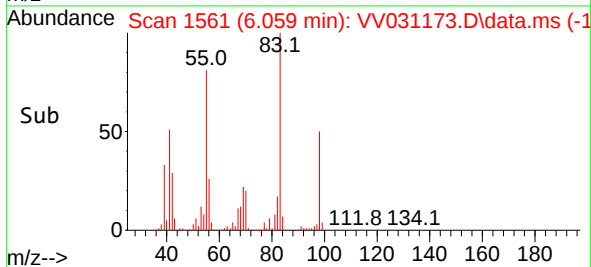
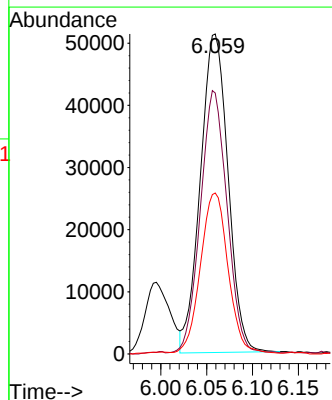
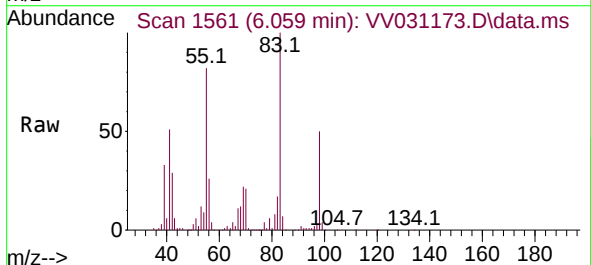
Instrument :
 MSVOA_V
 ClientSampleId :
 H0FL8MSD

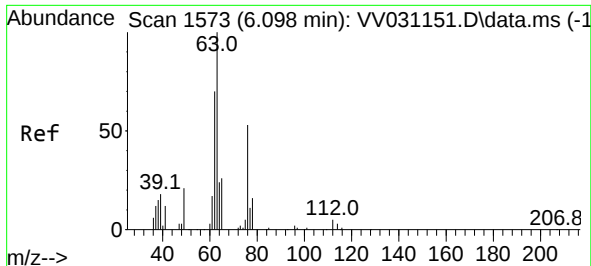
Tgt Ion:	95	Resp:	80986
Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.4	82.5
132	103.5	70.2	130.4
130	107.5	71.5	132.7



#35
 Methylcyclohexane
 Concen: 49.345 ug/L
 RT: 6.059 min Scan# 1561
 Delta R.T. 0.003 min
 Lab File: VV031173.D
 Acq: 22 May 2023 18:07

Tgt Ion:	83	Resp:	107691
Ion	Ratio	Lower	Upper
83	100		
55	79.3	64.2	96.2
98	50.7	40.0	60.0





#37

1,2-Dichloropropane

Concen: 52.514 ug/L

RT: 6.101 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

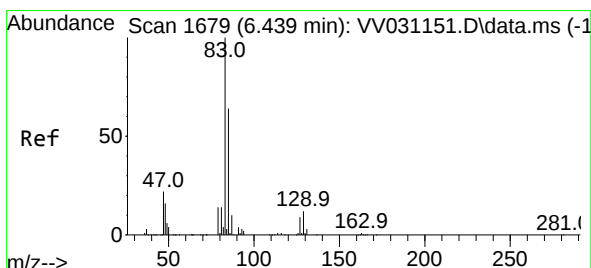
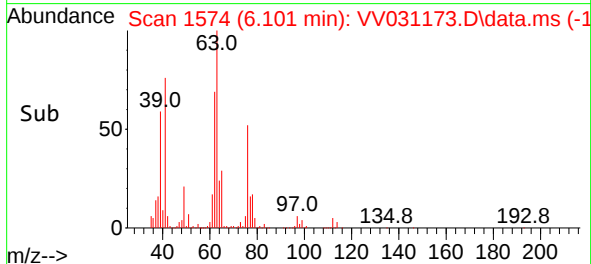
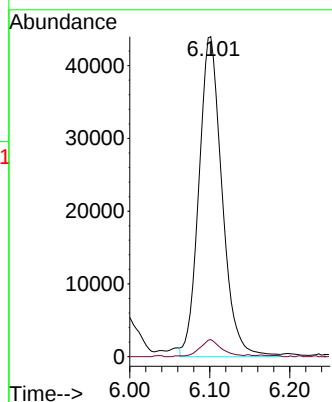
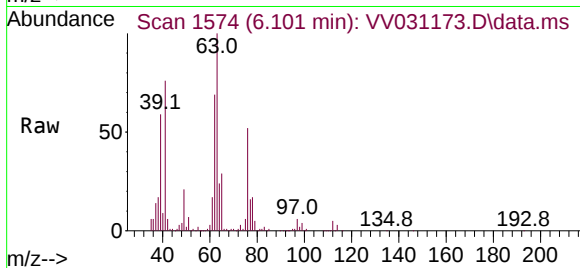
H0FL8MSD

Tgt Ion: 63 Resp: 88717

Ion Ratio Lower Upper

63 100

112 4.9 4.3 6.5



#38

Bromodichloromethane

Concen: 50.026 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

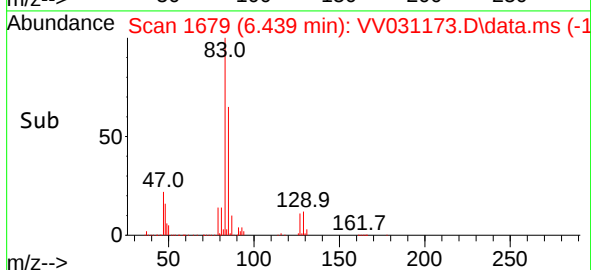
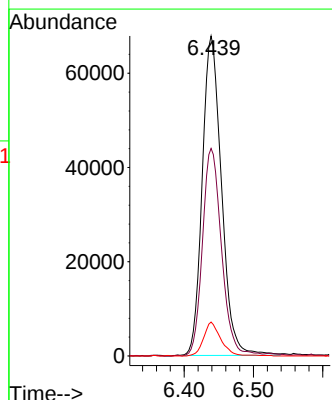
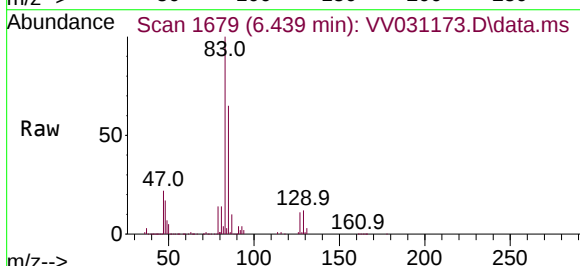
Tgt Ion: 83 Resp: 131012

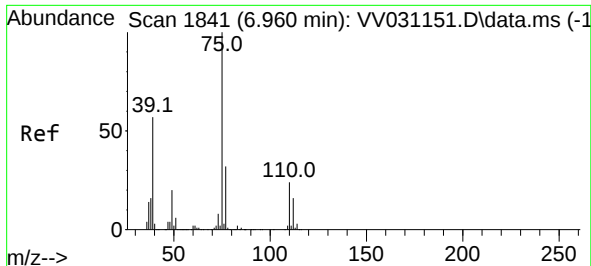
Ion Ratio Lower Upper

83 100

85 64.8 44.0 81.6

127 10.6 6.9 10.3#





#39

cis-1,3-Dichloropropene

Concen: 50.796 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

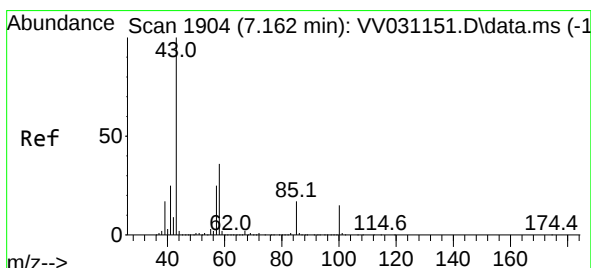
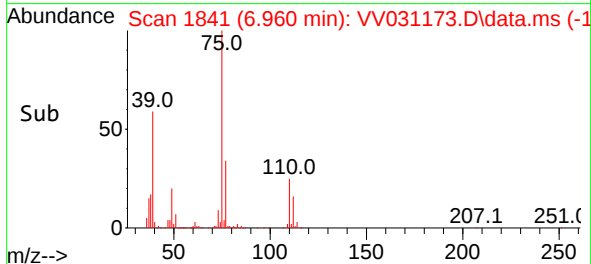
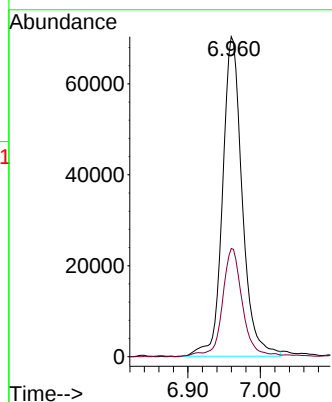
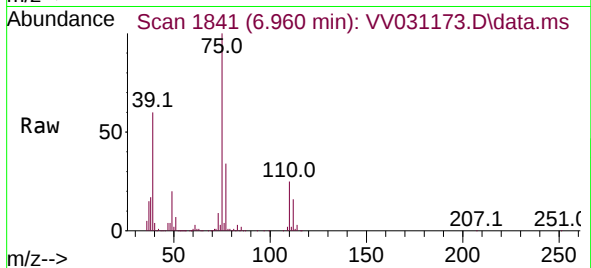
H0FL8MSD

Tgt Ion: 75 Resp: 132328

Ion Ratio Lower Upper

75 100

77 33.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 106.365 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

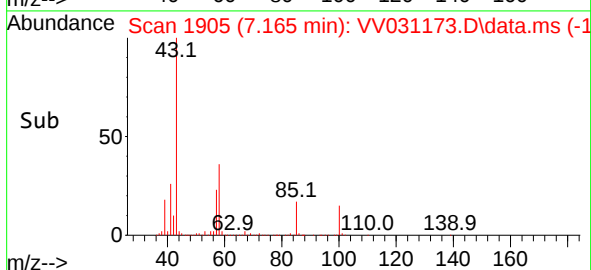
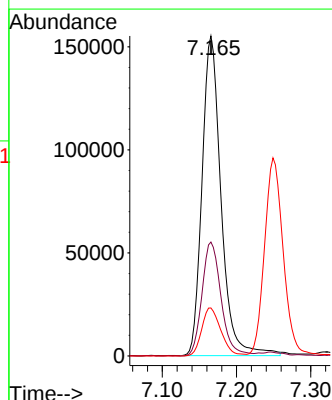
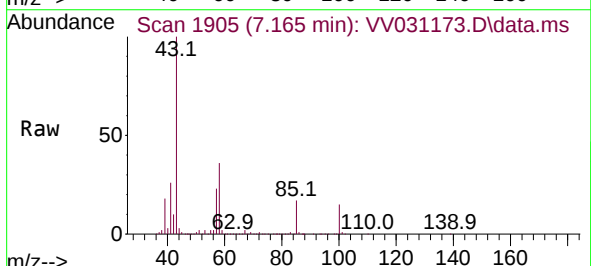
Tgt Ion: 43 Resp: 276512

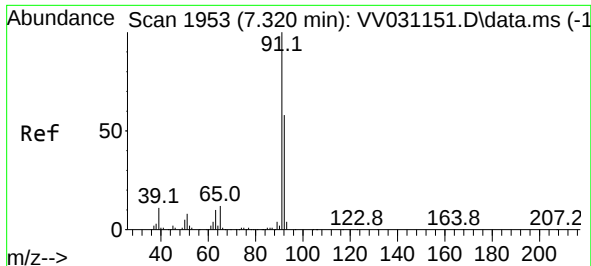
Ion Ratio Lower Upper

43 100

58 35.8 29.0 43.4

100 15.2 12.2 18.4





#42

Toluene

Concen: 52.958 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

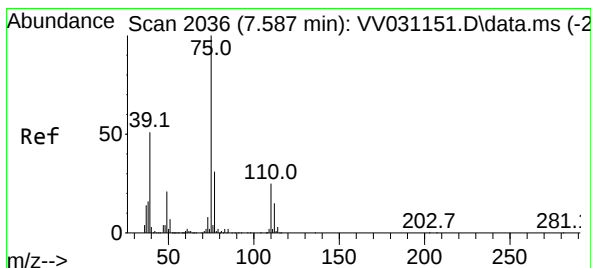
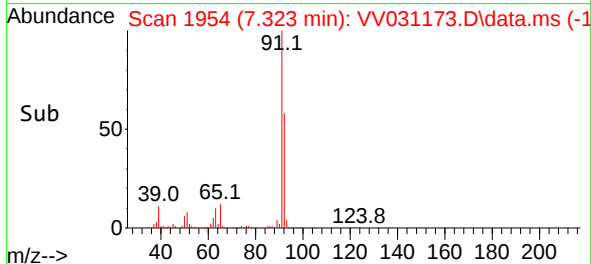
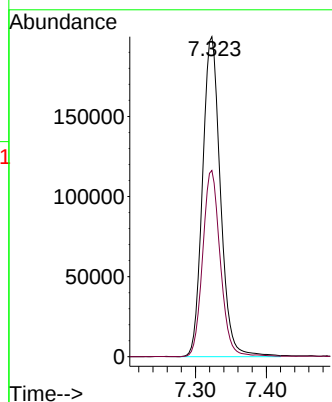
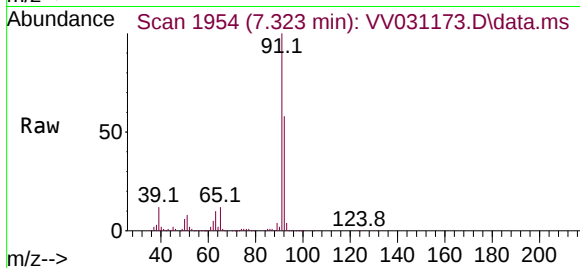
H0FL8MSD

Tgt Ion: 91 Resp: 351687

Ion Ratio Lower Upper

91 100

92 58.2 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 52.451 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031173.D

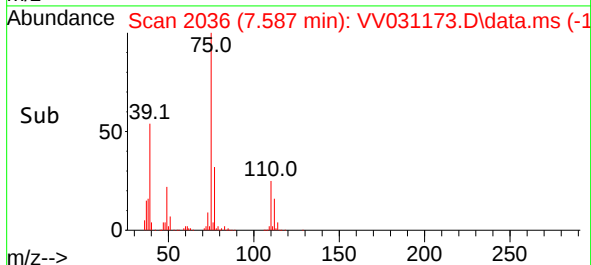
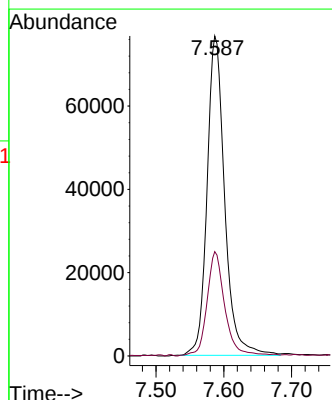
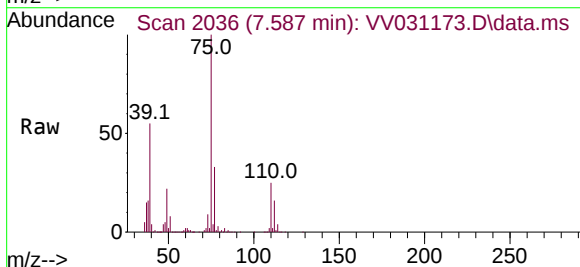
Acq: 22 May 2023 18:07

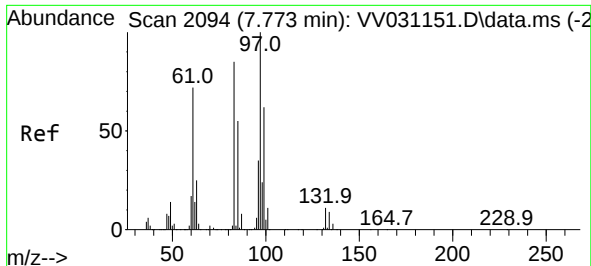
Tgt Ion: 75 Resp: 138228

Ion Ratio Lower Upper

75 100

77 32.6 22.2 41.2

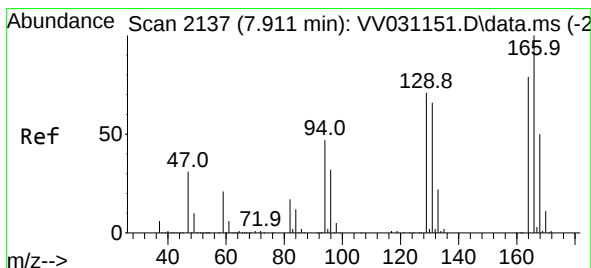
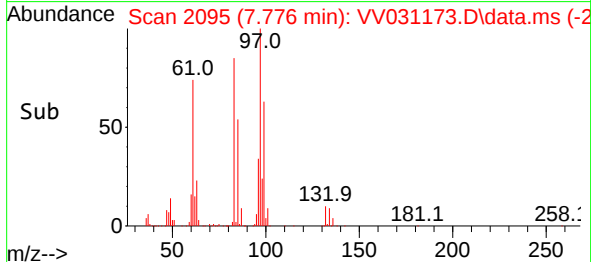
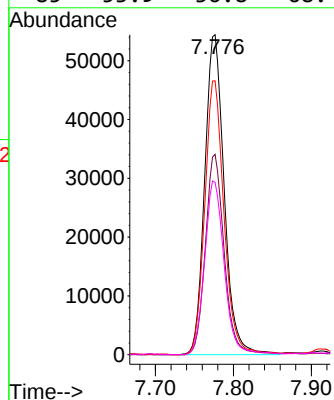
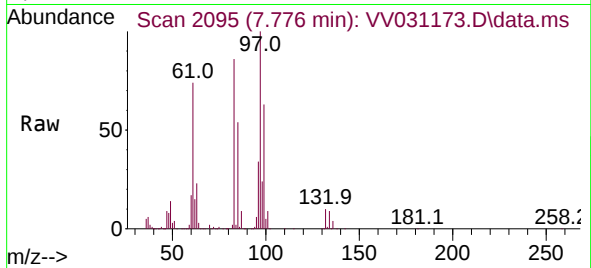




#45
1,1,2-Trichloroethane
Concen: 51.338 ug/L
RT: 7.776 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

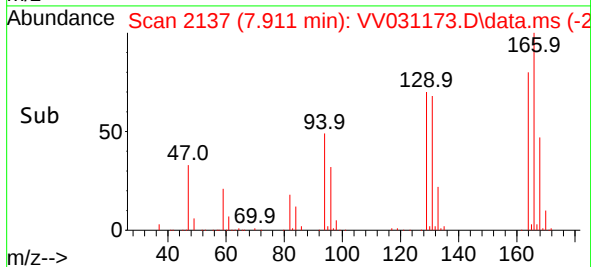
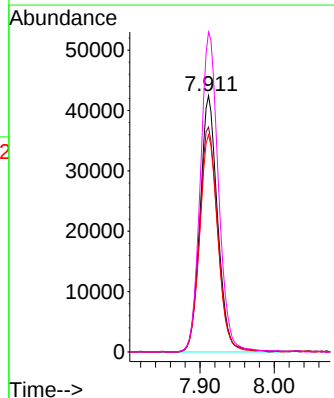
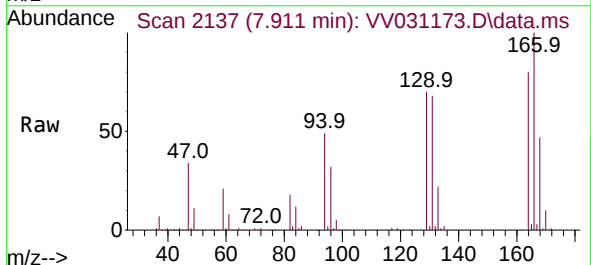
Instrument :
MSVOA_V
ClientSampleId :
H0FL8MSD

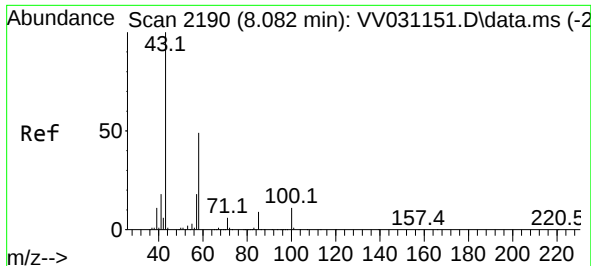
Tgt Ion:	97	Resp:	94643
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.2	80.2
83	85.6	60.5	112.3
85	53.9	36.8	68.4



#46
Tetrachloroethene
Concen: 49.650 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

Tgt Ion:	164	Resp:	70117
Ion	Ratio	Lower	Upper
164	100		
129	87.7	65.5	121.7
131	84.7	62.1	115.3
166	124.8	93.4	173.4





#48

2-Hexanone

Concen: 99.893 ug/L

RT: 8.082 min Scan# 2190

Delta R.T. 0.000 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

H0FL8MSD

Tgt Ion: 43 Resp: 216294

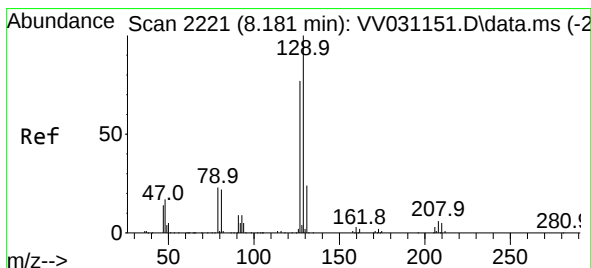
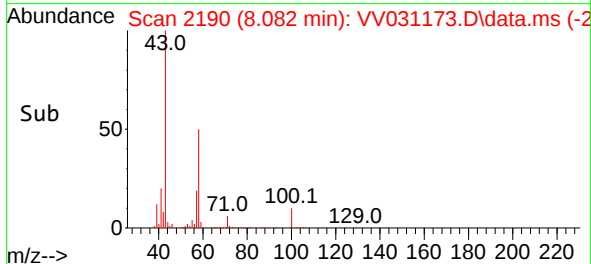
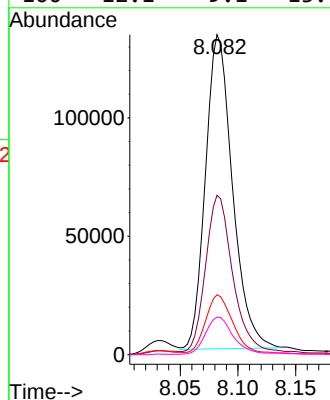
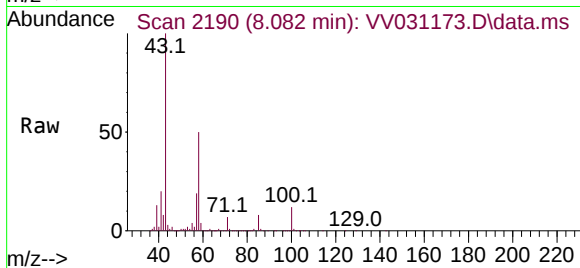
Ion Ratio Lower Upper

43 100

58 49.9 39.8 59.6

57 19.7 14.4 21.6

100 12.1 9.1 13.7



#49

Dibromochloromethane

Concen: 50.768 ug/L

RT: 8.181 min Scan# 2221

Delta R.T. 0.000 min

Lab File: VV031173.D

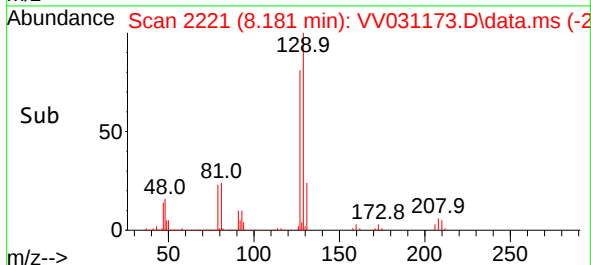
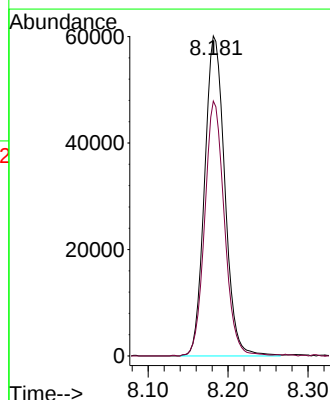
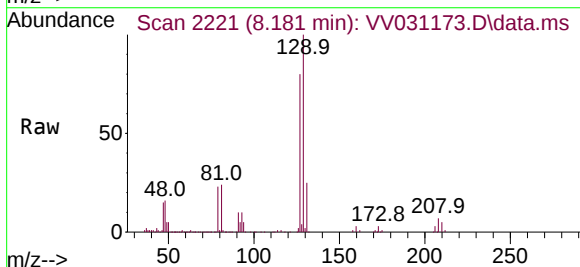
Acq: 22 May 2023 18:07

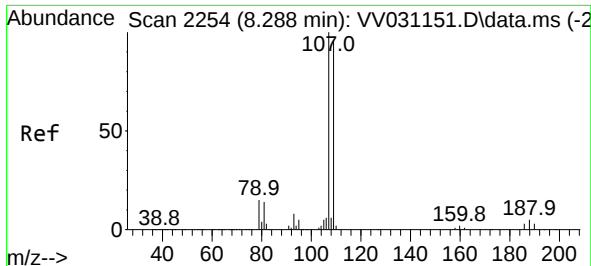
Tgt Ion: 129 Resp: 105597

Ion Ratio Lower Upper

129 100

127 79.6 56.1 104.1





#50

1,2-Dibromoethane

Concen: 51.018 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

H0FL8MSD

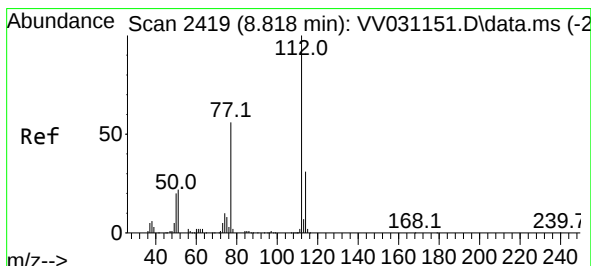
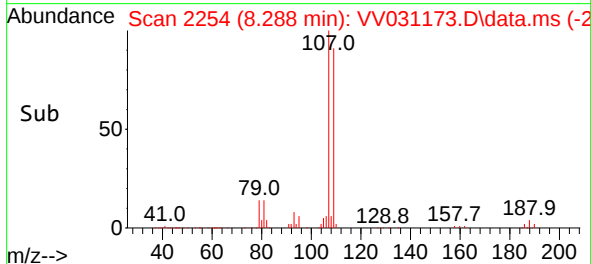
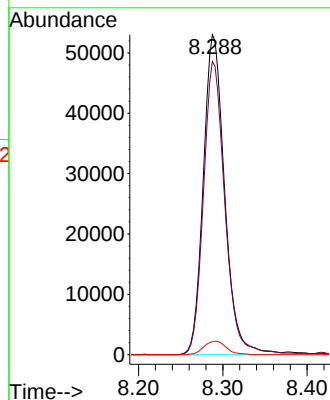
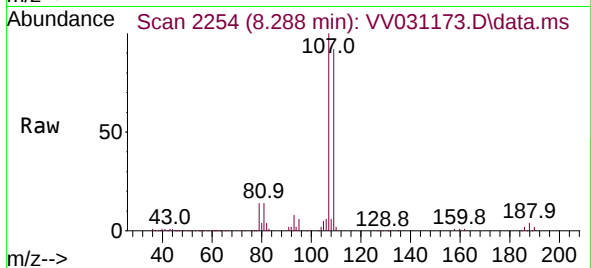
Tgt Ion:107 Resp: 93509

Ion Ratio Lower Upper

107 100

109 91.7 65.6 121.8

188 4.1 3.8 5.6



#51

Chlorobenzene

Concen: 50.265 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

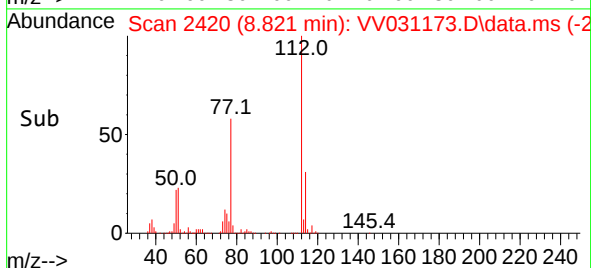
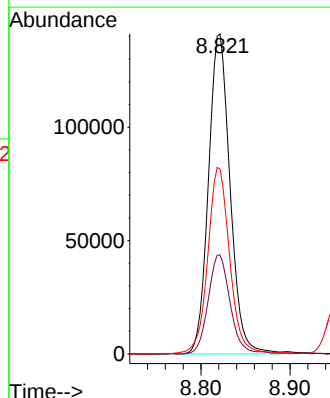
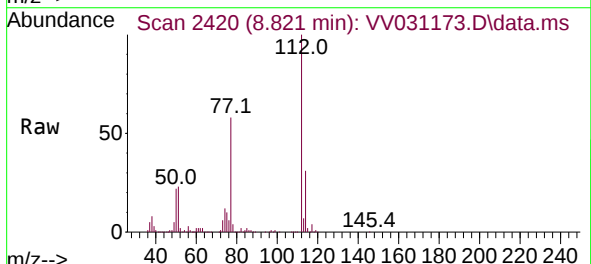
Tgt Ion:112 Resp: 237588

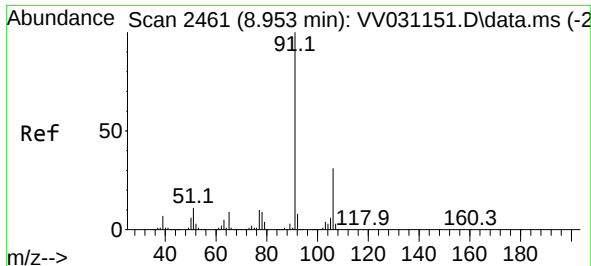
Ion Ratio Lower Upper

112 100

114 31.0 23.0 42.8

77 57.8 46.2 69.4

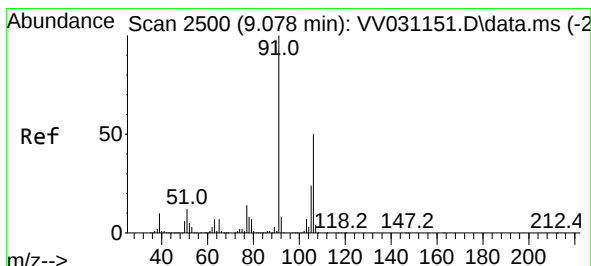
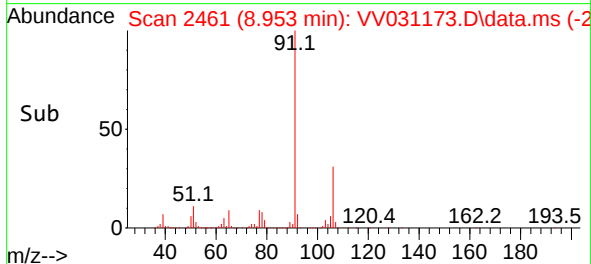
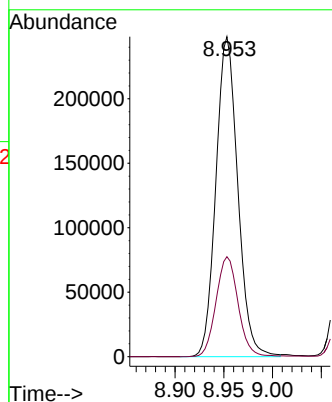
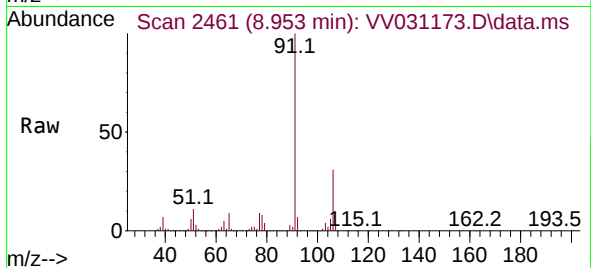




#52
Ethylbenzene
Concen: 50.861 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

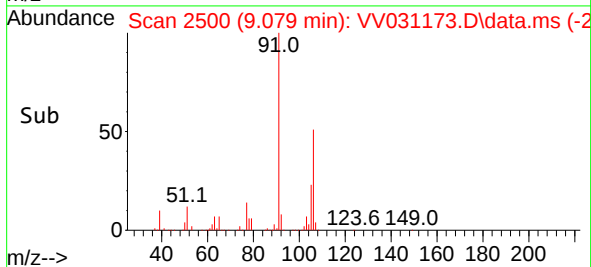
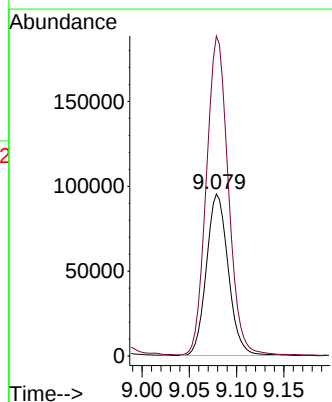
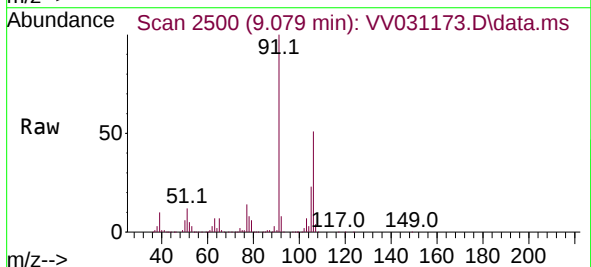
Instrument :
MSVOA_V
ClientSampleId :
H0FL8MSD

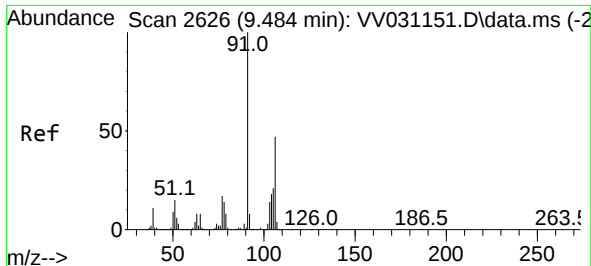
Tgt Ion: 91 Resp: 386715
Ion Ratio Lower Upper
91 100
106 31.2 21.5 39.9



#53
m,p-Xylene
Concen: 51.837 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

Tgt Ion:106 Resp: 152887
Ion Ratio Lower Upper
106 100
91 197.6 145.3 269.8

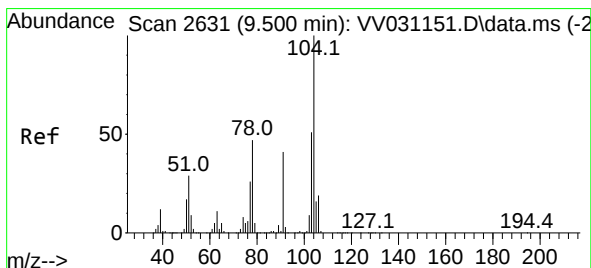
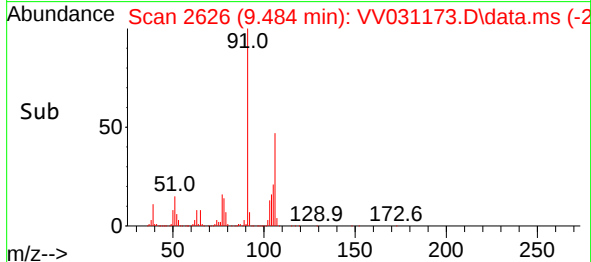
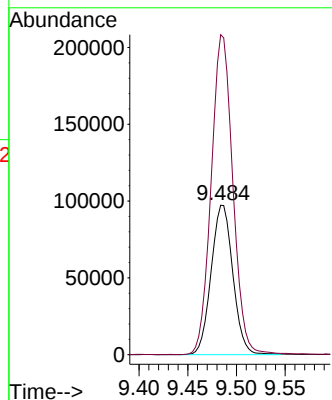
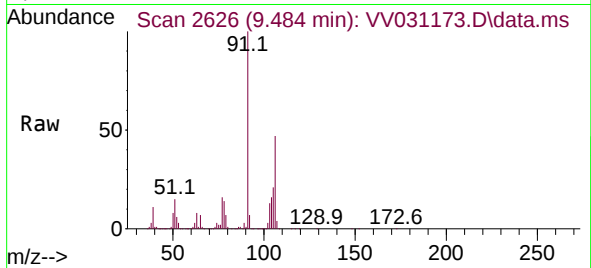




#54
o-Xylene
Concen: 51.972 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

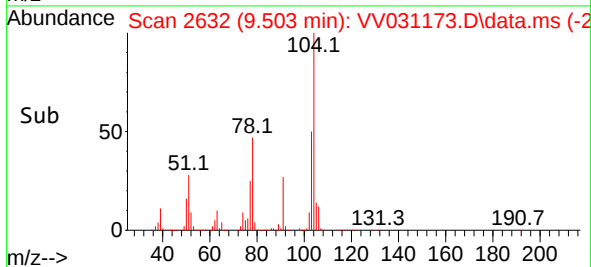
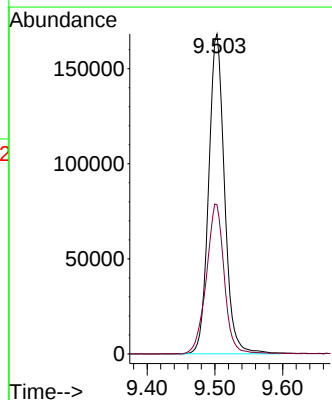
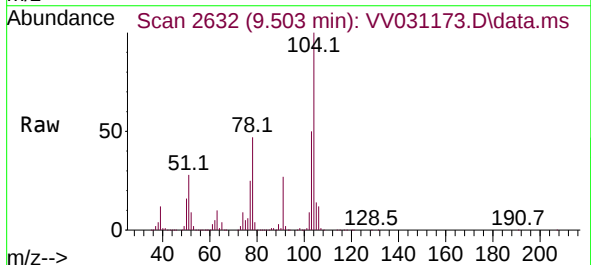
Instrument :
MSVOA_V
ClientSampleId :
H0FL8MSD

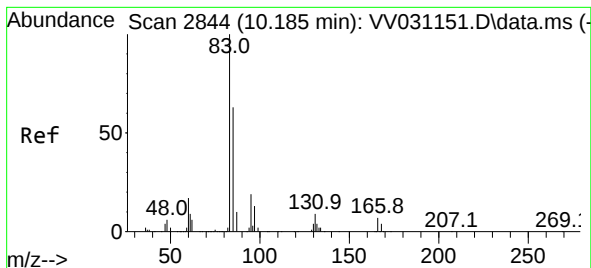
Tgt Ion:106 Resp: 151216
Ion Ratio Lower Upper
106 100
91 214.0 150.4 279.2



#55
Styrene
Concen: 53.167 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.003 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

Tgt Ion:104 Resp: 273588
Ion Ratio Lower Upper
104 100
78 46.7 33.2 61.6

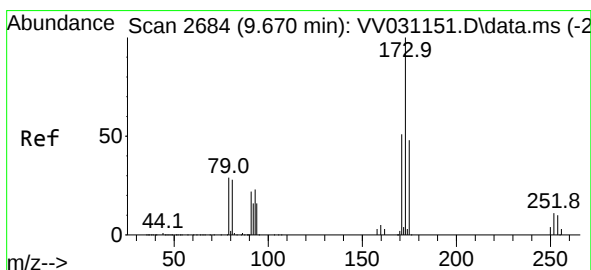
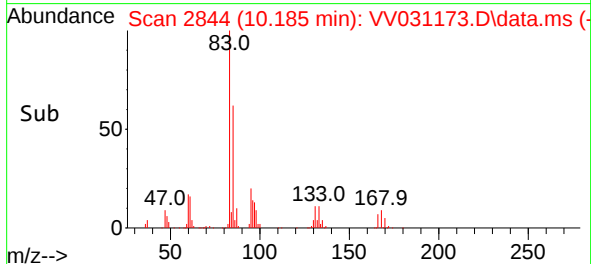
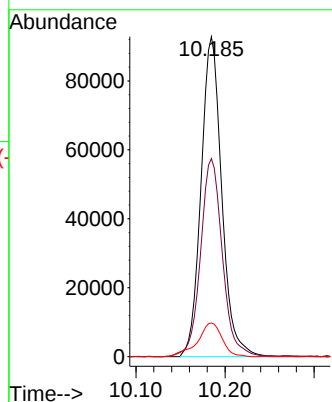
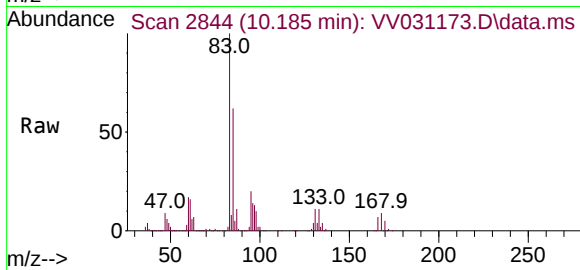




#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.545 ug/L
 RT: 10.185 min Scan# 2844
 Delta R.T. 0.000 min
 Lab File: VV031173.D
 Acq: 22 May 2023 18:07

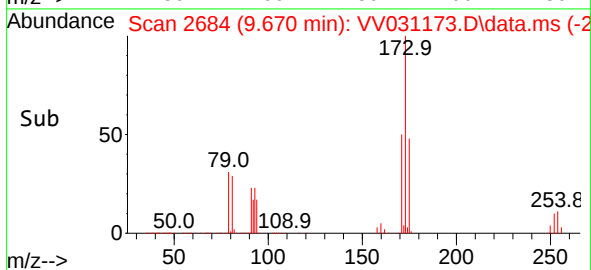
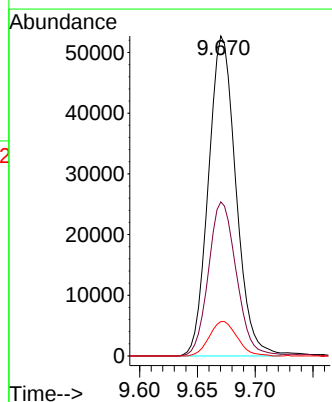
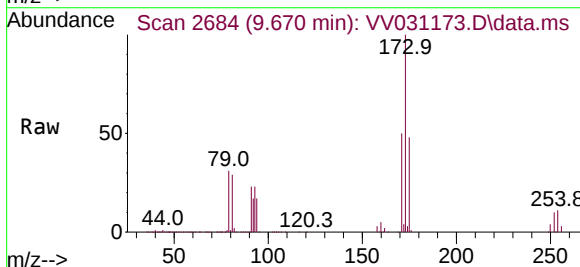
Instrument :
 MSVOA_V
 ClientSampleId :
 H0FL8MSD

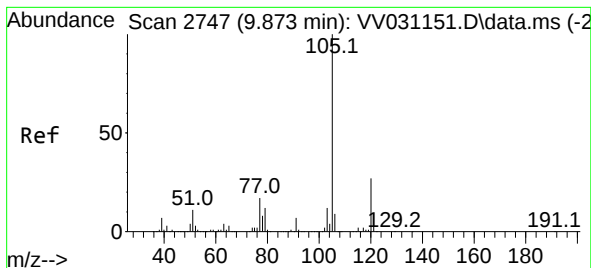
Tgt Ion: 83 Resp: 150072
 Ion Ratio Lower Upper
 83 100
 85 61.9 45.0 83.6
 131 10.6 9.2 13.8



#59
 Bromoform
 Concen: 49.776 ug/L
 RT: 9.670 min Scan# 2684
 Delta R.T. 0.000 min
 Lab File: VV031173.D
 Acq: 22 May 2023 18:07

Tgt Ion: 173 Resp: 87238
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.8 58.2
 254 10.9 8.8 13.2





#60

Isopropylbenzene

Concen: 51.294 ug/L

RT: 9.873 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

H0FL8MSD

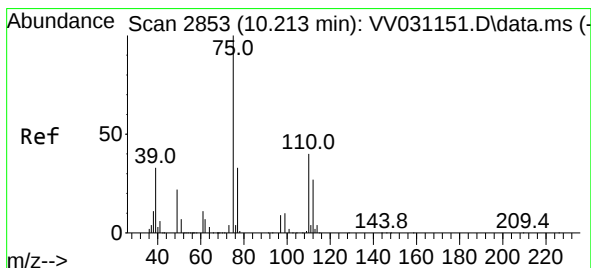
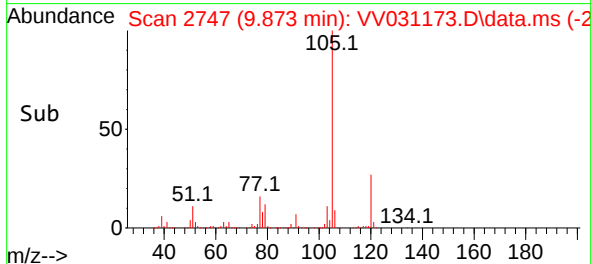
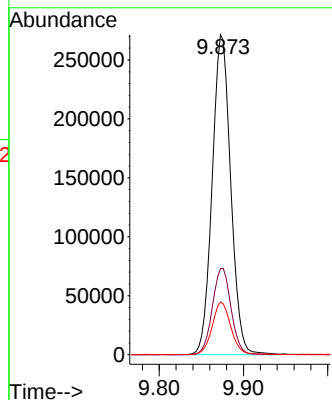
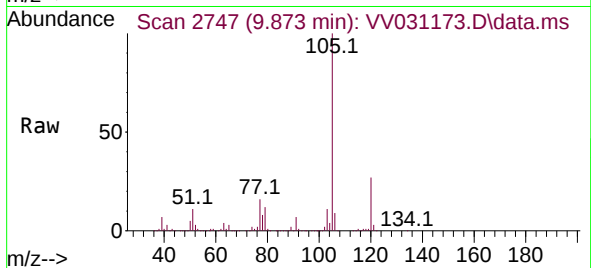
Tgt Ion:105 Resp: 414651

Ion Ratio Lower Upper

105 100

120 27.3 21.4 32.0

77 16.3 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 51.411 ug/L

RT: 10.217 min Scan# 2854

Delta R.T. 0.003 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

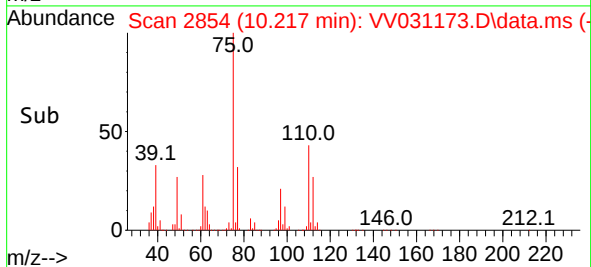
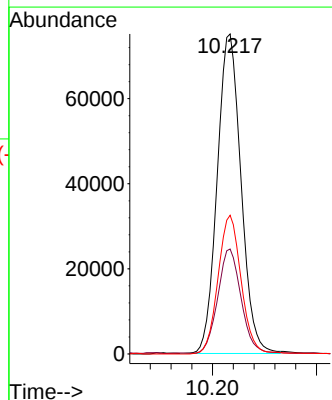
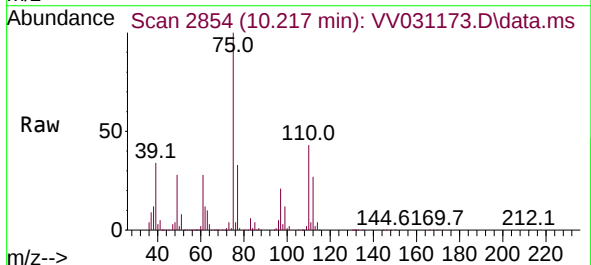
Tgt Ion: 75 Resp: 119544

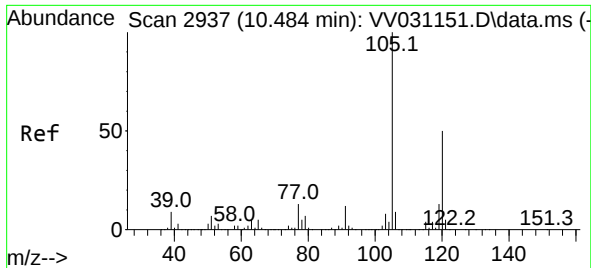
Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3

110 42.1 32.5 48.7

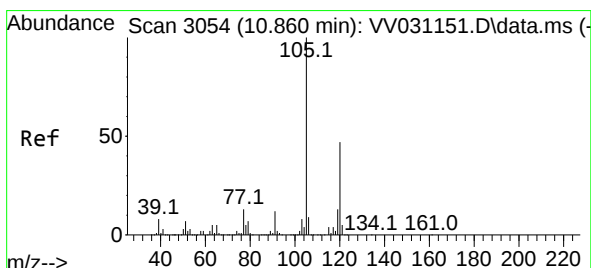
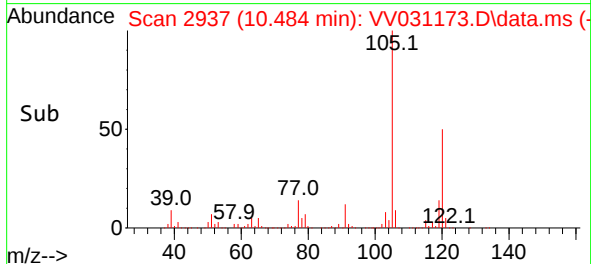
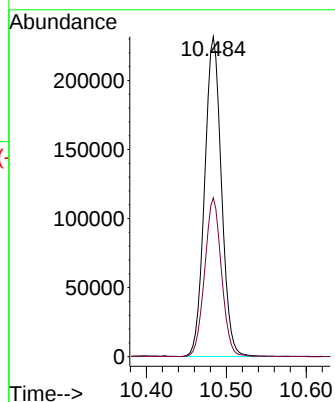
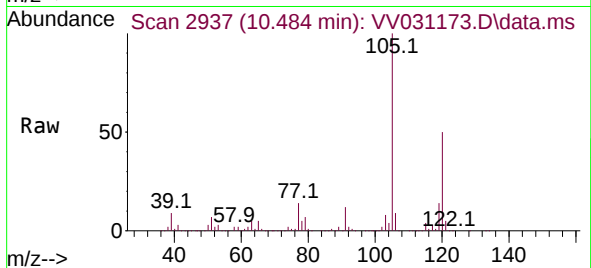




#62
 1,3,5-Trimethylbenzene
 Concen: 50.996 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031173.D
 Acq: 22 May 2023 18:07

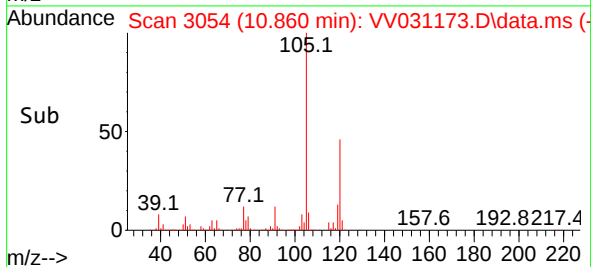
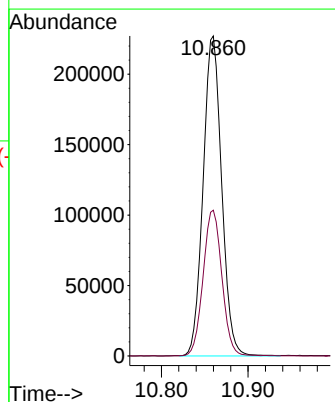
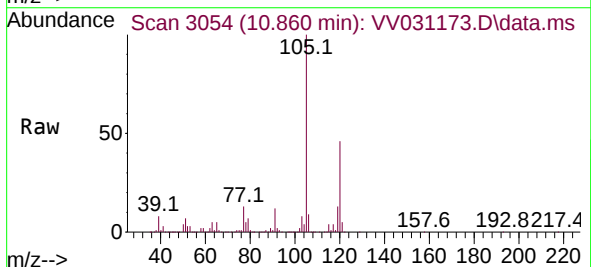
Instrument :
 MSVOA_V
 ClientSampleId :
 H0FL8MSD

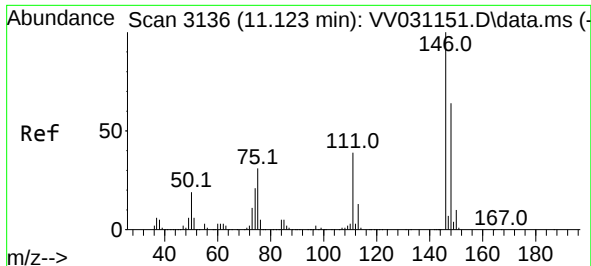
Tgt Ion:105 Resp: 338855
 Ion Ratio Lower Upper
 105 100
 120 49.5 40.5 60.7



#63
 1,2,4-Trimethylbenzene
 Concen: 52.010 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.000 min
 Lab File: VV031173.D
 Acq: 22 May 2023 18:07

Tgt Ion:105 Resp: 337908
 Ion Ratio Lower Upper
 105 100
 120 46.0 37.5 56.3

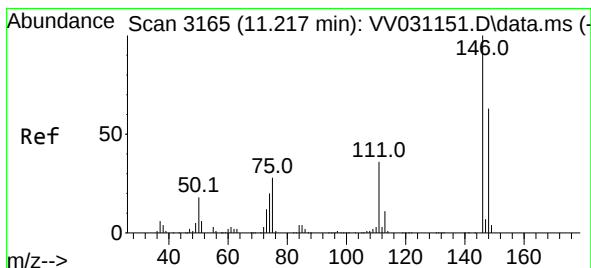
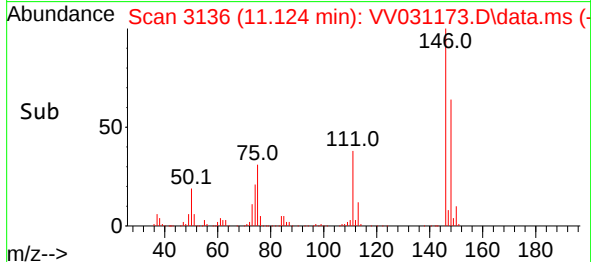
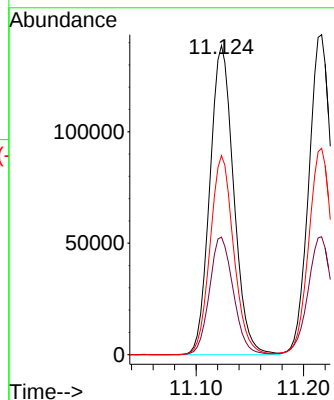
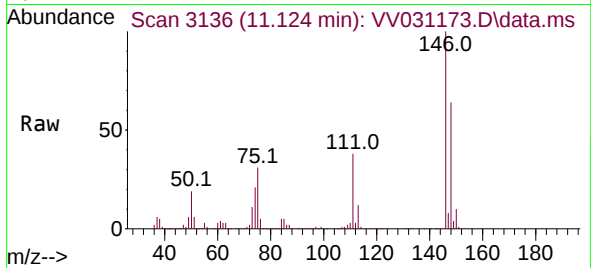




#64
1,3-Dichlorobenzene
Concen: 51.576 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

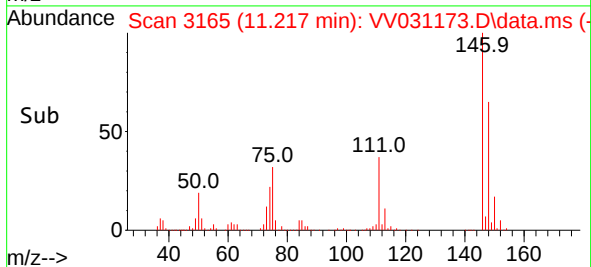
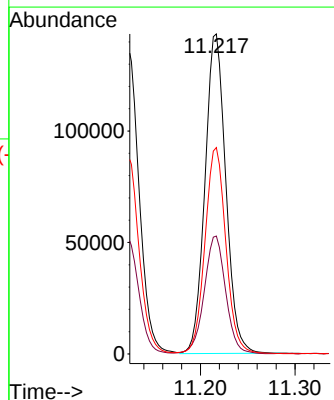
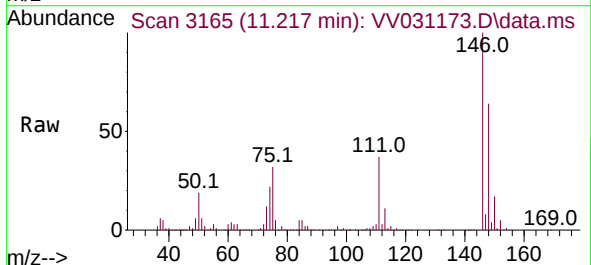
Instrument :
MSVOA_V
ClientSampleId :
H0FL8MSD

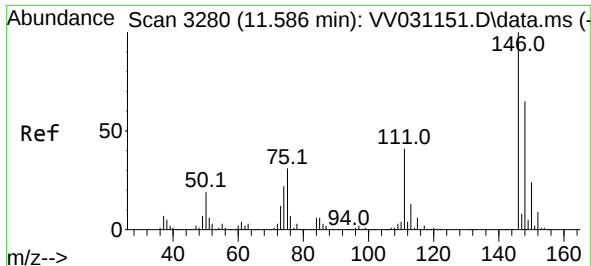
Tgt Ion:146 Resp: 213627
Ion Ratio Lower Upper
146 100
111 38.0 27.2 50.4
148 64.4 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 50.961 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

Tgt Ion:146 Resp: 219596
Ion Ratio Lower Upper
146 100
111 36.8 25.5 47.3
148 64.5 44.5 82.7

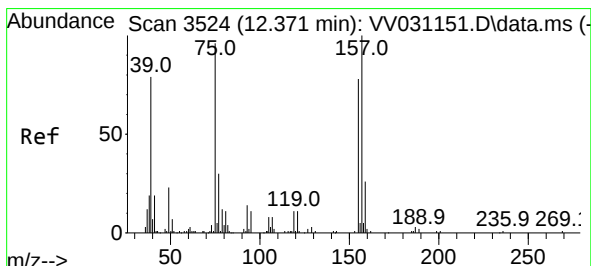
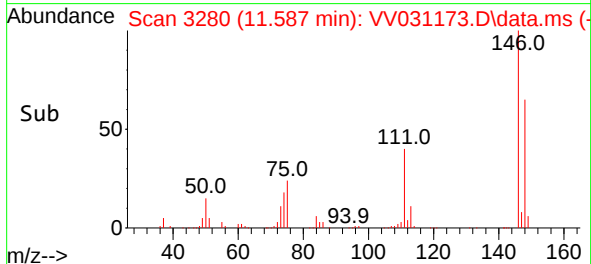
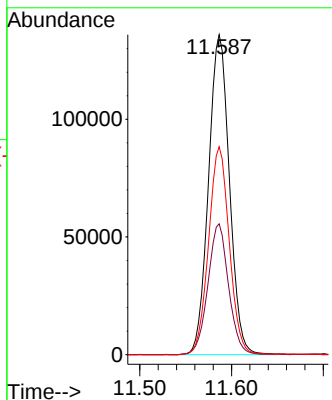
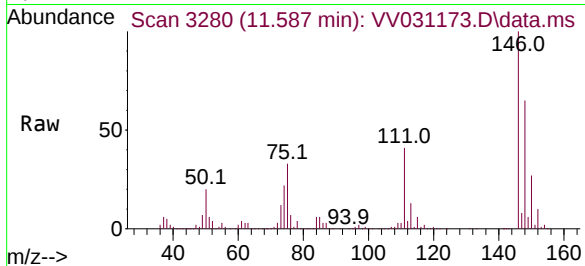




#67
1,2-Dichlorobenzene
Concen: 51.162 ug/L
RT: 11.587 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

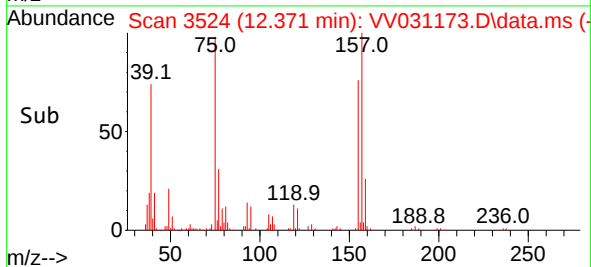
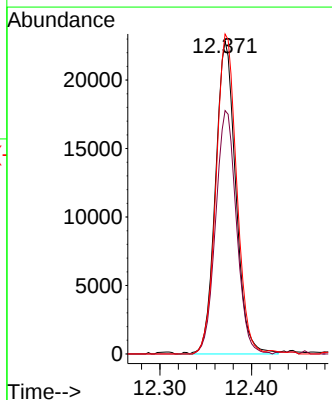
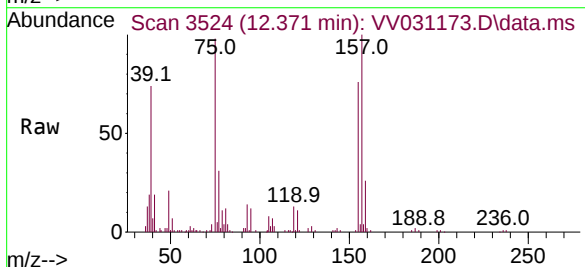
Instrument :
MSVOA_V
ClientSampleId :
H0FL8MSD

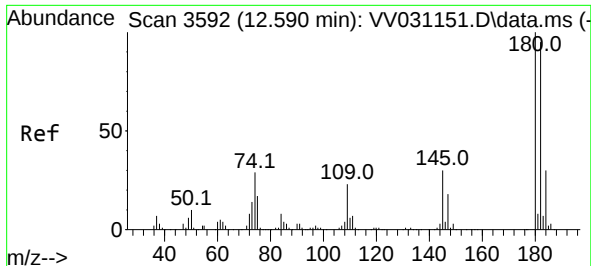
Tgt Ion:146 Resp: 215023
Ion Ratio Lower Upper
146 100
111 40.9 31.4 47.2
148 65.0 50.2 75.4



#68
1,2-Dibromo-3-chloropropane
Concen: 49.180 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV031173.D
Acq: 22 May 2023 18:07

Tgt Ion: 75 Resp: 35104
Ion Ratio Lower Upper
75 100
155 77.8 70.9 106.3
157 102.3 88.1 132.1



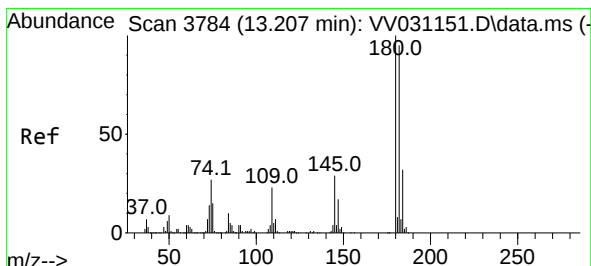
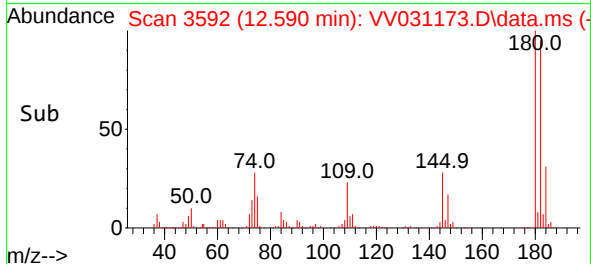
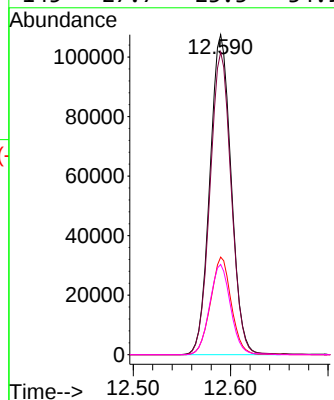
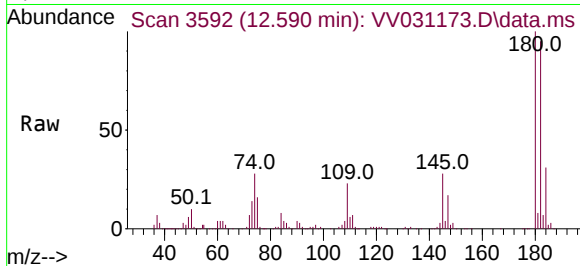


#69
 1,3,5-Trichlorobenzene
 Concen: 50.997 ug/L
 RT: 12.590 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031173.D
 Acq: 22 May 2023 18:07

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FL8MSD

Tgt Ion:180 Resp: 163289

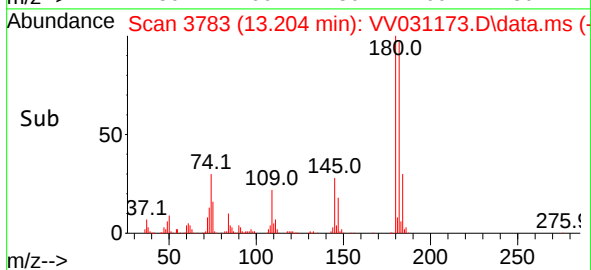
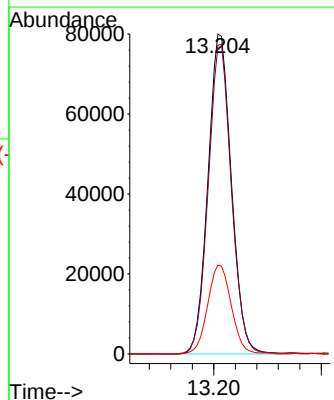
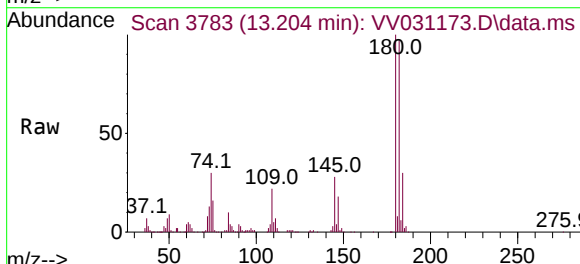
Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.6	115.0
184	29.6	24.6	37.0
145	27.7	23.3	34.9

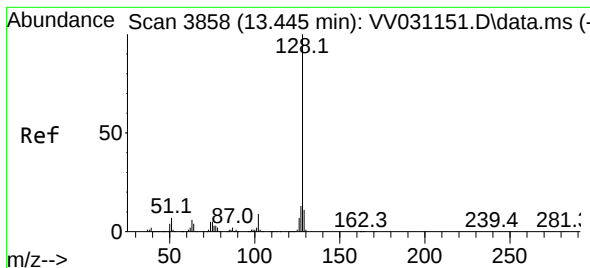


#70
 1,2,4-trichlorobenzene
 Concen: 44.344 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. -0.003 min
 Lab File: VV031173.D
 Acq: 22 May 2023 18:07

Tgt Ion:180 Resp: 120836

Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.4	113.2
145	28.1	23.1	34.7





#71

Naphthalene

Concen: 43.580 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

Instrument :

MSVOA_V

ClientSampleId :

H0FL8MSD

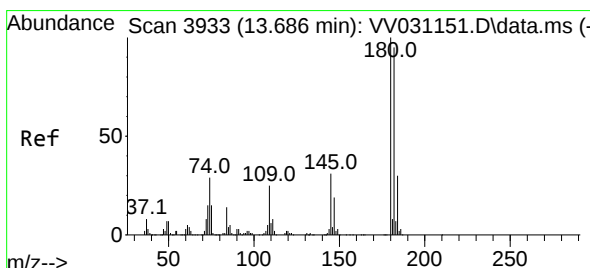
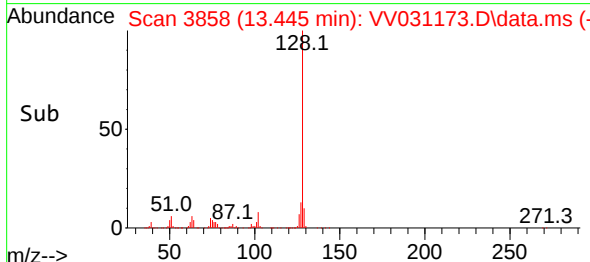
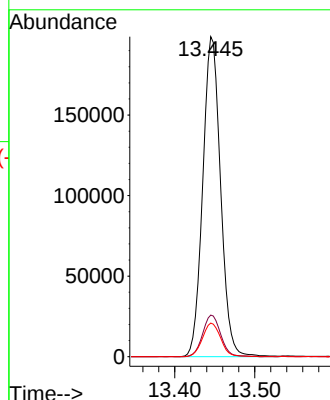
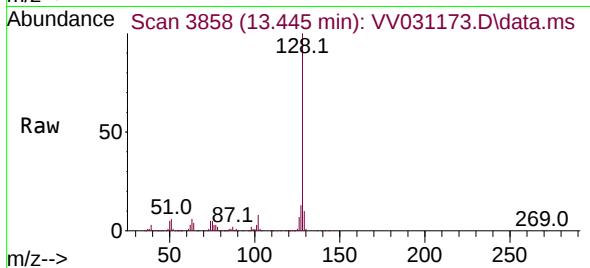
Tgt Ion:128 Resp: 308460

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 43.691 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031173.D

Acq: 22 May 2023 18:07

Tgt Ion:180 Resp: 118972

Ion Ratio Lower Upper

180 100

182 94.0 75.4 113.0

145 30.2 24.2 36.4

