

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
 Data File : VW031124.D
 Acq On : 19 May 2023 22:14
 Operator : SY/MD
 Sample : 02866-18MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GBX91MSD

Quant Time: May 20 00:39:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 20 00:29:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	196260	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	189667	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	102830	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	73576	43.866	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.740%
7) Chloroethane-d5	1.529	69	69455	53.753	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.500%
11) 1,1-Dichloroethene-d2	2.063	65	35001	44.500	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.000%
21) 2-Butanone-d5	3.796	46	103327	115.613	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.610%
24) Chloroform-d	4.259	84	139155	46.897	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	4.950	65	97736	48.744	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.480%
32) Benzene-d6	4.969	84	246979	48.034	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.060%
36) 1,2-Dichloropropane-d6	5.995	67	71121	46.229	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.460%
41) Toluene-d8	7.249	98	226276	47.152	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.300%
43) trans-1,3-Dichloroprop...	7.558	79	36899	47.806	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.620%
47) 2-Hexanone-d5	8.034	63	60765	101.303	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.300%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	111873	48.483	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.960%
66) 1,2-Dichlorobenzene-d4	11.567	152	91863	49.713	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	58128	45.877	ug/L	95
3) Chloromethane	1.217	50	74438	53.663	ug/L	99
5) Vinyl chloride	1.288	62	64172	51.794	ug/L	99
6) Bromomethane	1.487	94	45574	65.635	ug/L	97
8) Chloroethane	1.548	64	40595	50.847	ug/L	100
9) Trichlorofluoromethane	1.716	101	118757	48.732	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	60959	47.435	ug/L	97
12) 1,1-Dichloroethene	2.072	96	66508	61.006	ug/L	98
13) Acetone	2.121	43	92430	79.551	ug/L	99
14) Carbon disulfide	2.246	76	101546	51.113	ug/L	100
15) Methyl Acetate	2.378	43	70668	53.515	ug/L	96
16) Methylene chloride	2.455	84	58161	47.921	ug/L	97
17) trans-1,2-Dichloroethene	2.699	96	58138	57.679	ug/L	95
18) Methyl tert-butyl Ether	2.709	73	205732	52.836	ug/L	99
19) 1,1-Dichloroethane	3.117	63	115382	50.229	ug/L	100
20) cis-1,2-Dichloroethene	3.818	96	543075	437.060	ug/L	96
22) 2-Butanone	3.879	43	111639	100.195	ug/L	98
23) Bromochloromethane	4.153	128	35198	51.548	ug/L	97
25) Chloroform	4.285	83	132032	51.453	ug/L	96

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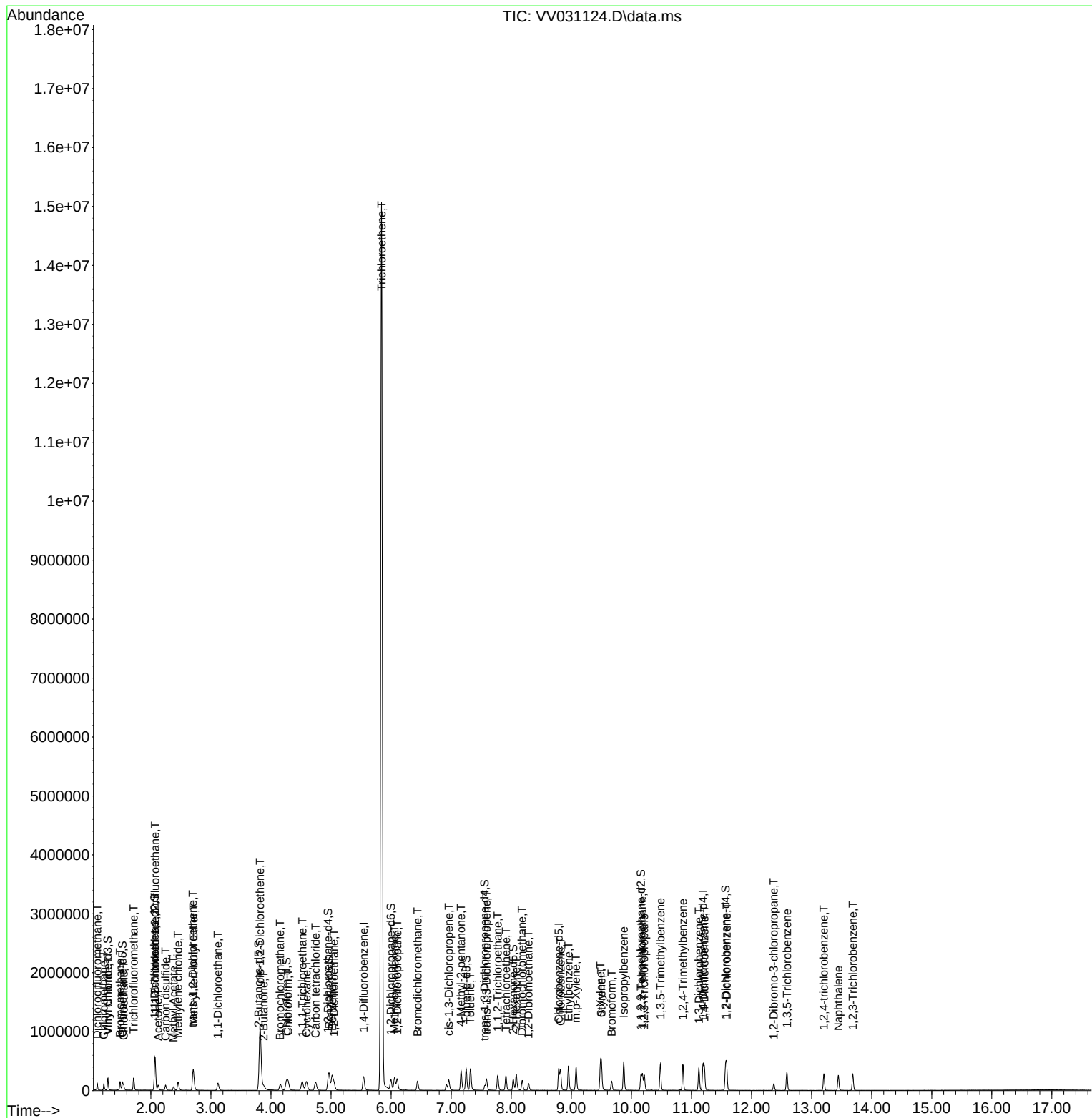
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	114215	52.459	ug/L	100
29) Cyclohexane	4.590	56	75890	50.848	ug/L	97
30) 1,1,1-Trichloroethane	4.523	97	118542	50.933	ug/L	99
31) Carbon tetrachloride	4.744	117	102918	50.759	ug/L	98
33) Benzene	5.018	78	239501	52.708	ug/L	100
34) Trichloroethene	5.841	95	4739257	3892.551	ug/L	97
35) Methylcyclohexane	6.056	83	78614	48.660	ug/L	99
37) 1,2-Dichloropropane	6.101	63	61114	48.866	ug/L	99
38) Bromodichloromethane	6.439	83	95314	49.164	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	97719	50.671	ug/L	100
40) 4-Methyl-2-pentanone	7.165	43	213628	111.005	ug/L	99
42) Toluene	7.320	91	255647	52.001	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	101095	51.819	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	69568	50.976	ug/L	98
46) Tetrachloroethene	7.911	164	54238	51.880	ug/L	95
48) 2-Hexanone	8.082	43	169318	105.632	ug/L	99
49) Dibromochloromethane	8.182	129	78337	50.875	ug/L	95
50) 1,2-Dibromoethane	8.288	107	68953	50.818	ug/L	99
51) Chlorobenzene	8.821	112	170666	48.775	ug/L	97
52) Ethylbenzene	8.953	91	275123	48.879	ug/L	98
53) m,p-Xylene	9.079	106	105377	48.263	ug/L	97
54) o-Xylene	9.484	106	104299	48.423	ug/L	98
55) Styrene	9.503	104	193269	50.735	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.185	83	116521	51.964	ug/L	99
59) Bromoform	9.670	173	65590	55.009	ug/L	99
60) Isopropylbenzene	9.873	105	282157	51.306	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	93791	59.289	ug/L	100
62) 1,3,5-Trimethylbenzene	10.484	105	228281	50.499	ug/L	97
63) 1,2,4-Trimethylbenzene	10.857	105	221181	50.041	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	144986	51.452	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	146256	49.890	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	148563	51.959	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	24735	50.937	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	92971	42.680	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	80489	43.418	ug/L	99
71) Naphthalene	13.445	128	201477	41.841	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	79619	42.979	ug/L	99

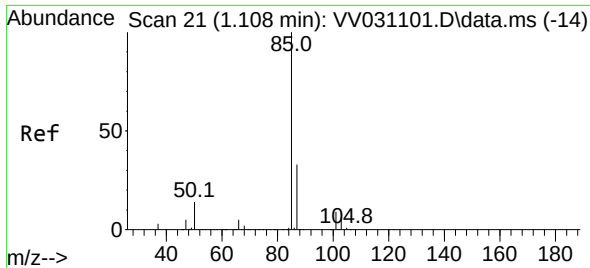
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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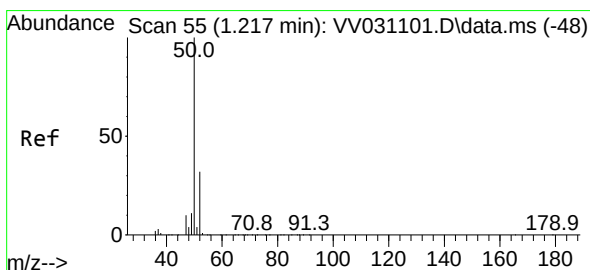
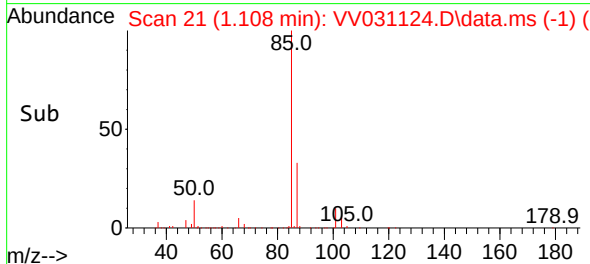
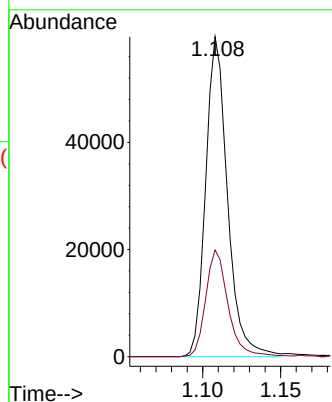
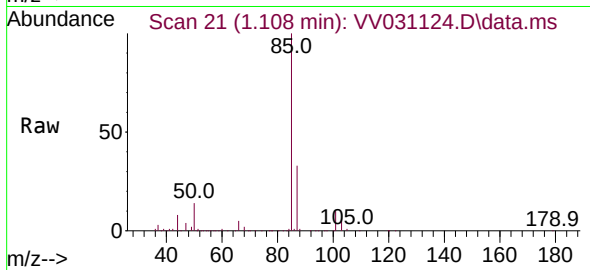




#2
 Dichlorodifluoromethane
 Concen: 45.877 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031124.D
 Acq: 19 May 2023 22:14

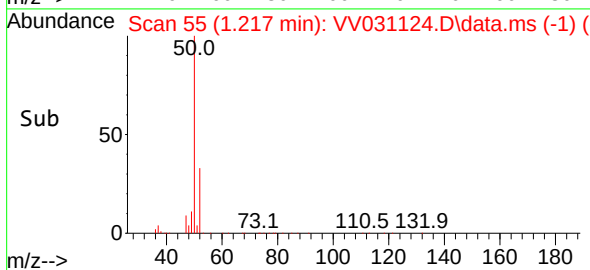
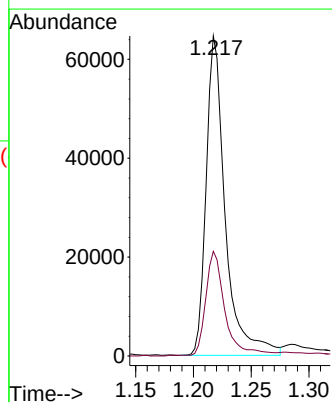
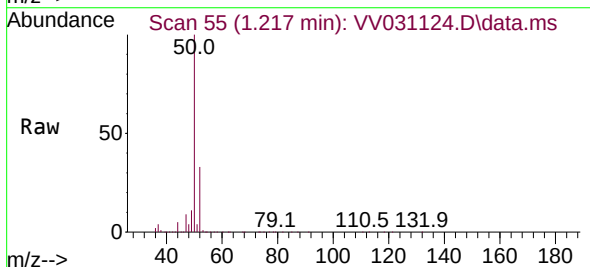
Instrument :
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 GBX91MSD

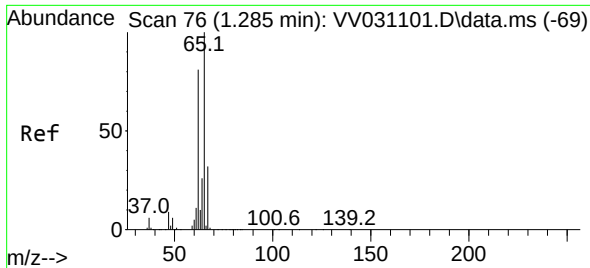
Tgt Ion: 85 Resp: 58128
 Ion Ratio Lower Upper
 85 100
 87 34.2 25.2 37.8



#3
 Chloromethane
 Concen: 53.663 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031124.D
 Acq: 19 May 2023 22:14

Tgt Ion: 50 Resp: 74438
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.3 43.3

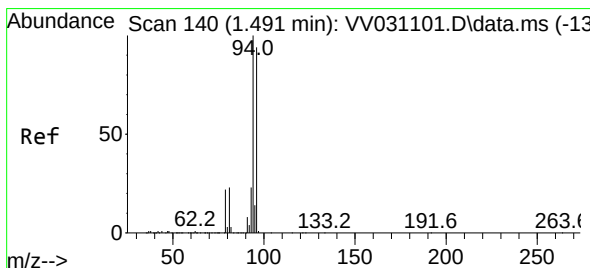
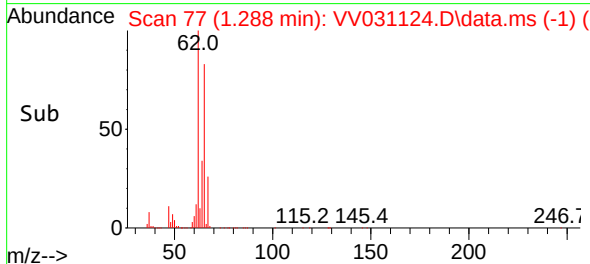
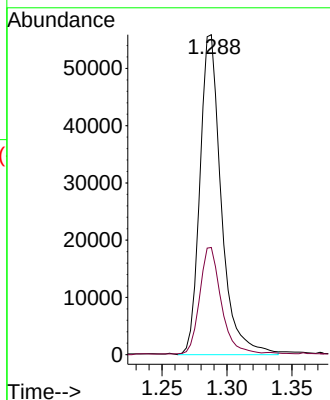
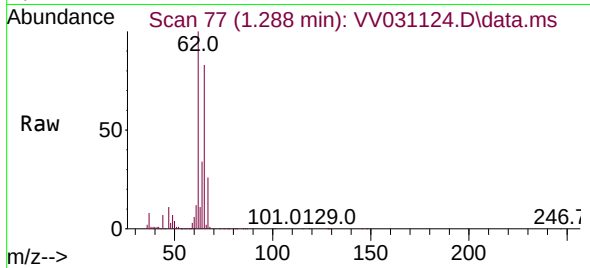




#5
 Vinyl chloride
 Concen: 51.794 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV031124.D
 Acq: 19 May 2023 22:14

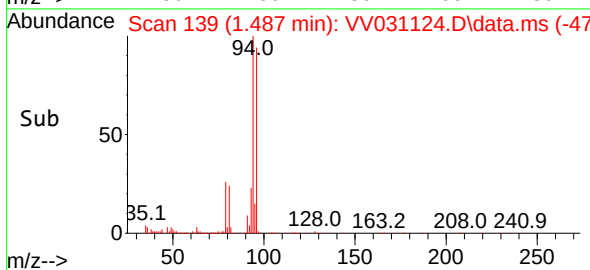
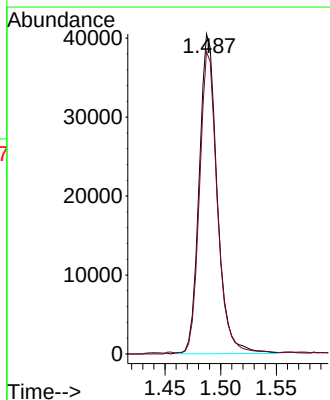
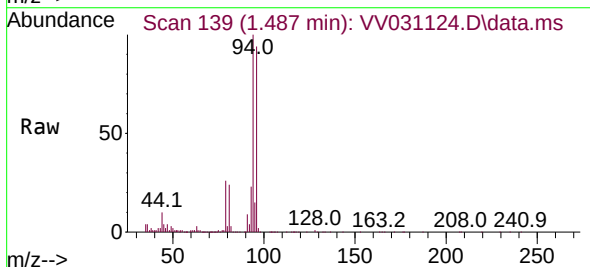
Instrument :
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 ClientSampleId :
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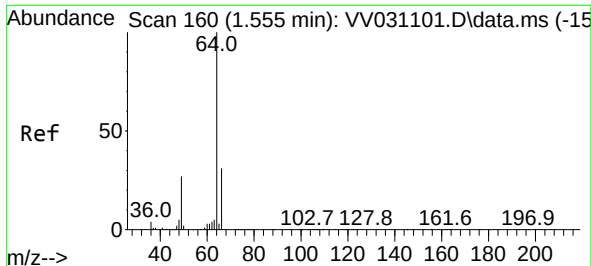
Tgt Ion: 62 Resp: 64172
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.1 42.9



#6
 Bromomethane
 Concen: 65.635 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV031124.D
 Acq: 19 May 2023 22:14

Tgt Ion: 94 Resp: 45574
 Ion Ratio Lower Upper
 94 100
 96 94.5 63.9 118.7

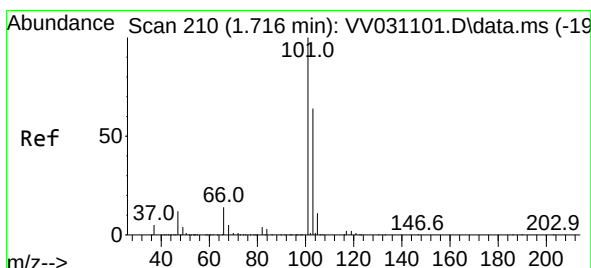
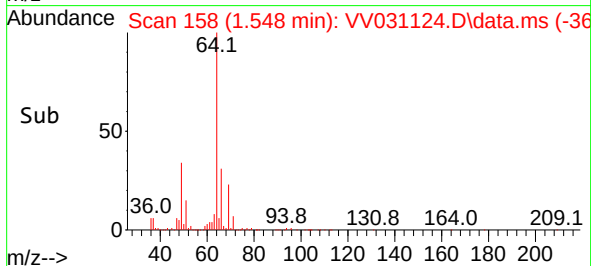
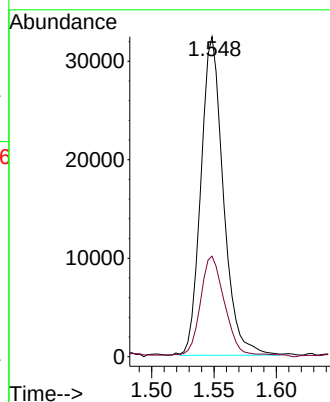
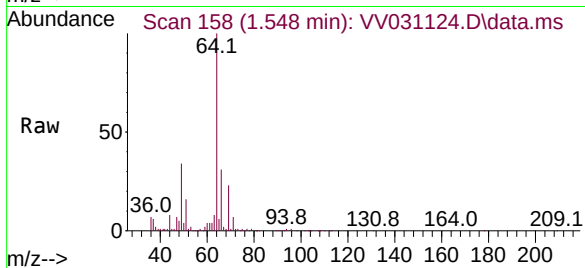




#8
Chloroethane
Concen: 50.847 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.006 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

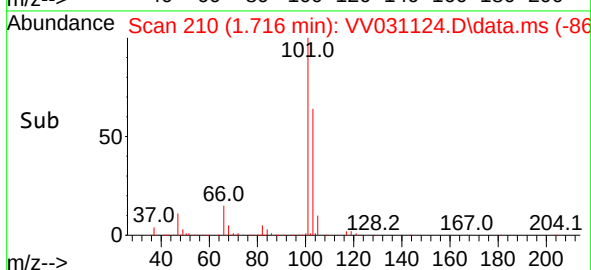
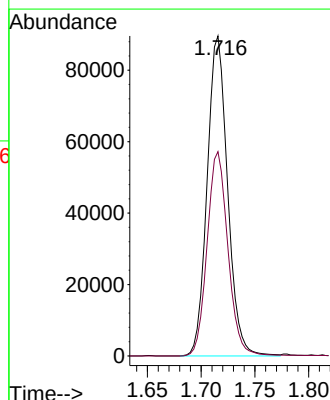
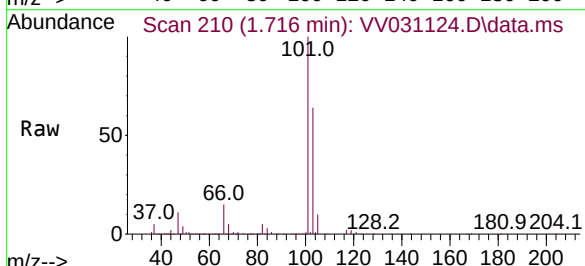
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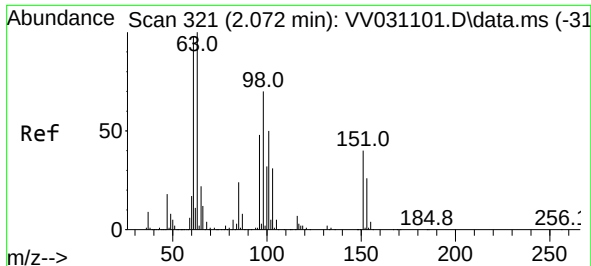
Tgt Ion: 64 Resp: 40595
Ion Ratio Lower Upper
64 100
66 31.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 48.732 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

Tgt Ion:101 Resp: 118757
Ion Ratio Lower Upper
101 100
103 64.9 51.4 77.2

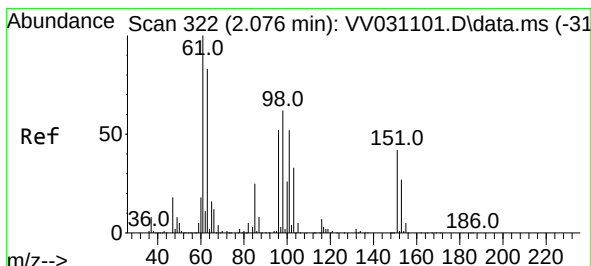
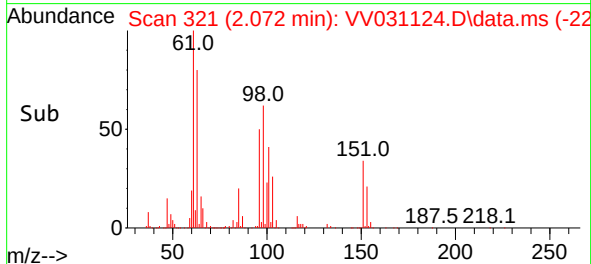
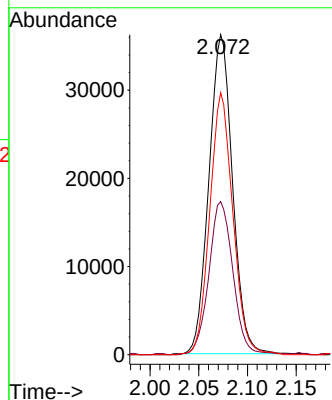
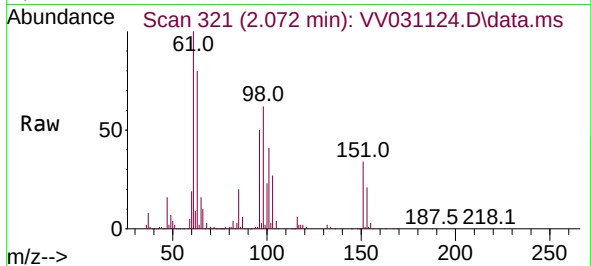




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.435 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV031124.D
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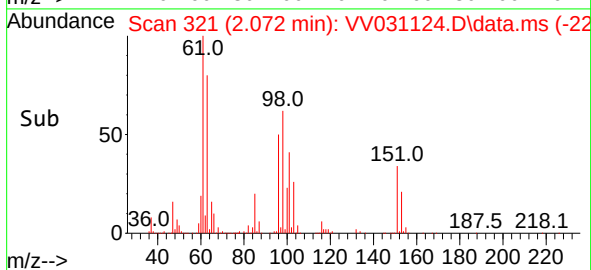
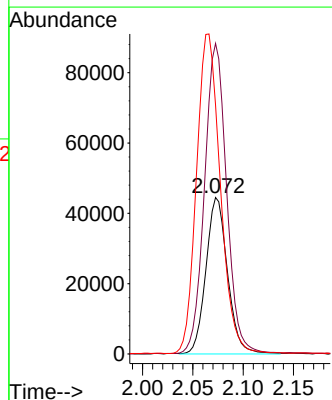
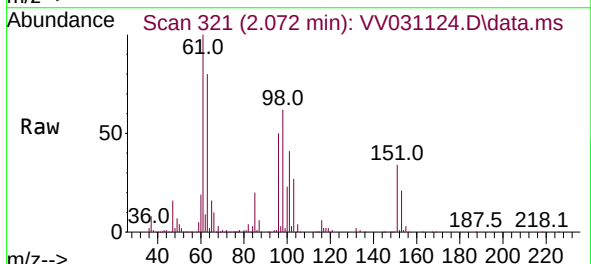
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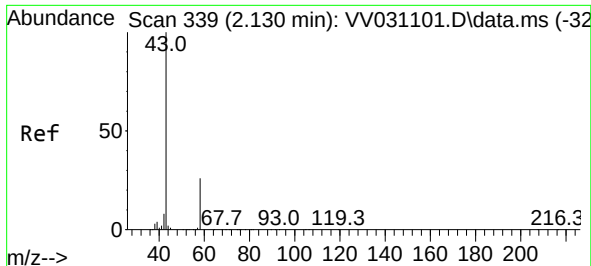
Tgt Ion:101 Resp: 60959
 Ion Ratio Lower Upper
 101 100
 85 48.9 38.0 57.0
 151 80.3 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 61.006 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.003 min
 Lab File: VV031124.D
 Acq: 19 May 2023 22:14

Tgt Ion: 96 Resp: 66508
 Ion Ratio Lower Upper
 96 100
 61 198.4 137.9 256.1
 63 158.9 114.2 212.0





#13

Acetone

Concen: 79.551 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Instrument :

MSVOA_V

ClientSampleId :

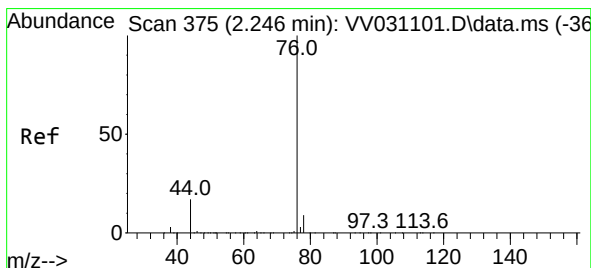
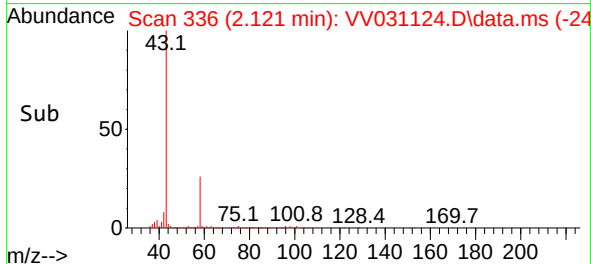
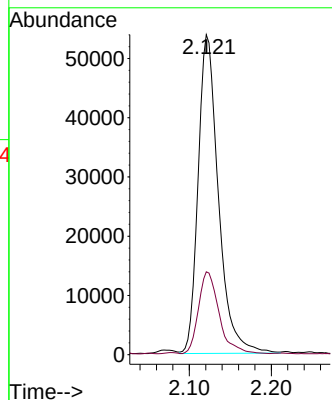
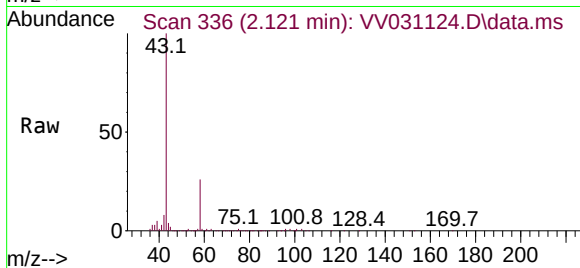
GBX91MSD

Tgt Ion: 43 Resp: 92430

Ion Ratio Lower Upper

43 100

58 26.5 0.0 54.0



#14

Carbon disulfide

Concen: 51.113 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

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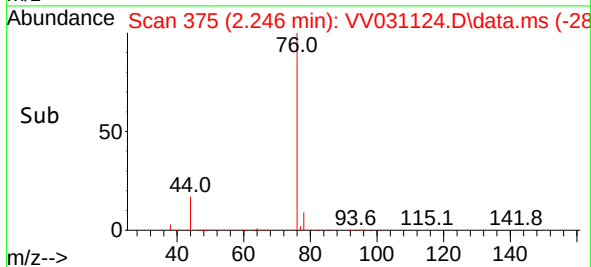
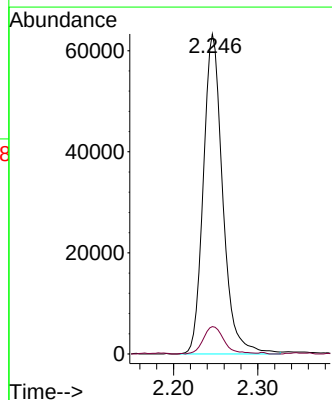
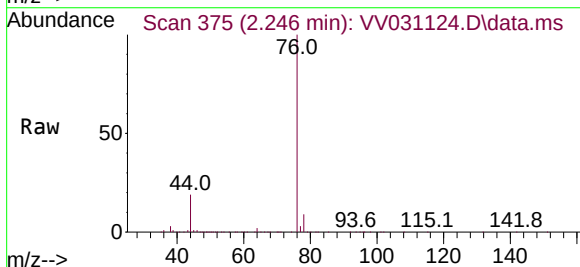
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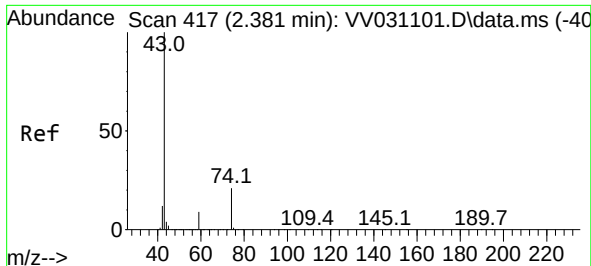
Tgt Ion: 76 Resp: 101546

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.4

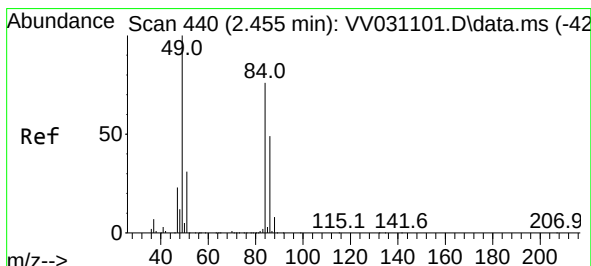
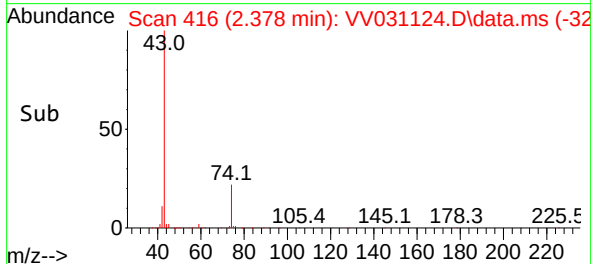
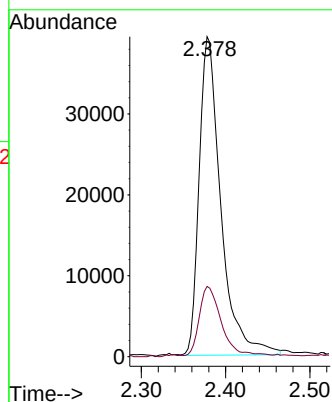
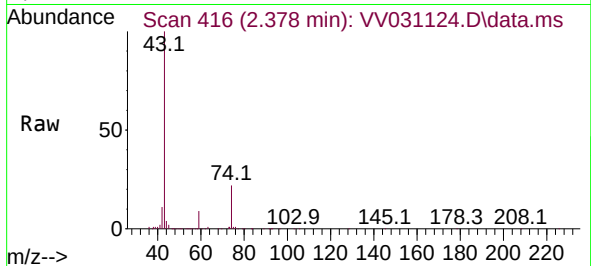




#15
Methyl Acetate
Concen: 53.515 ug/L
RT: 2.378 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

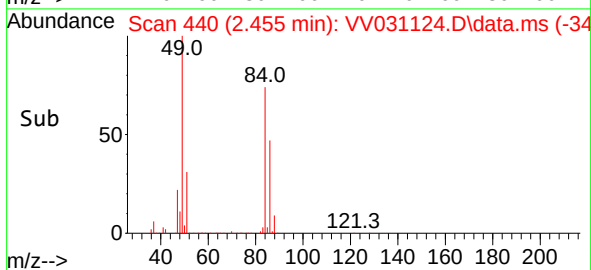
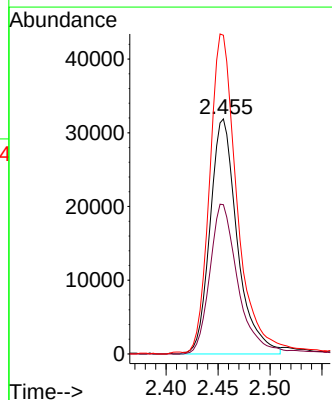
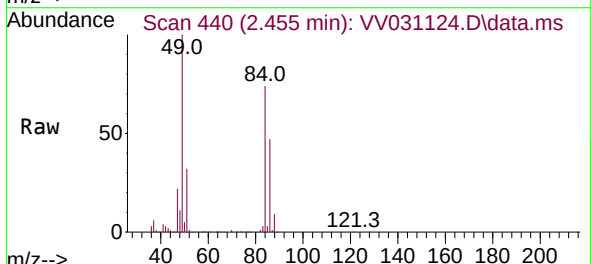
Instrument :
MSVOA_V
ClientSampleId :
GBX91MSD

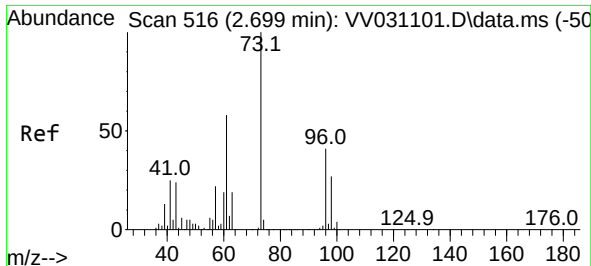
Tgt Ion: 43 Resp: 70668
Ion Ratio Lower Upper
43 100
74 20.9 18.1 27.1



#16
Methylene chloride
Concen: 47.921 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

Tgt Ion: 84 Resp: 58161
Ion Ratio Lower Upper
84 100
86 63.5 43.3 80.3
49 135.6 92.6 172.0





#17

trans-1,2-Dichloroethene

Concen: 57.679 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Instrument :

MSVOA_V

ClientSampleId :

GBX91MSD

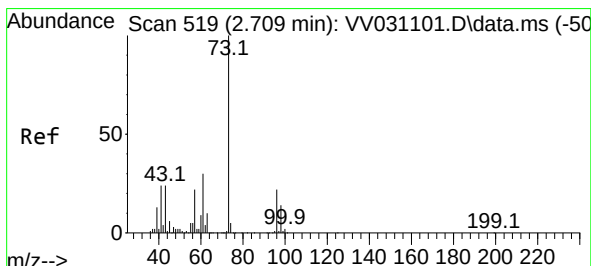
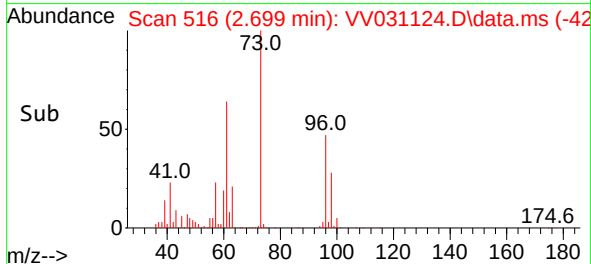
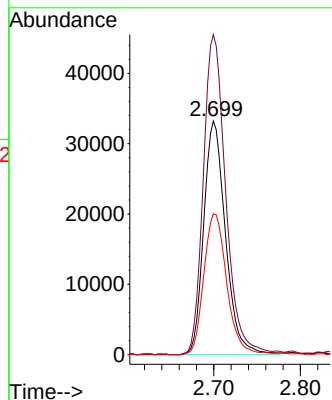
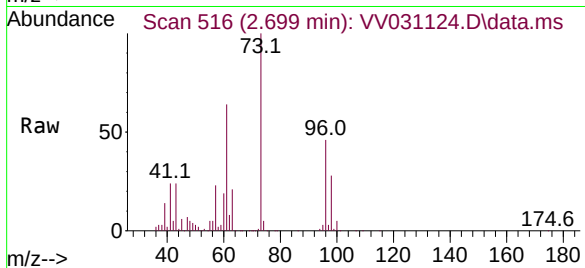
Tgt Ion: 96 Resp: 58138

Ion Ratio Lower Upper

96 100

61 137.0 100.0 185.6

98 60.3 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 52.836 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

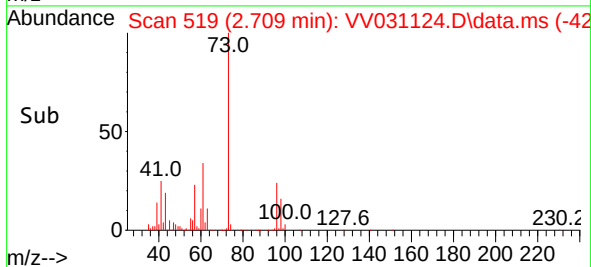
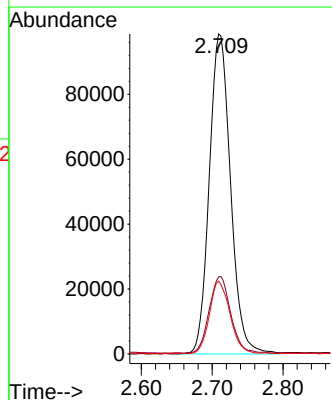
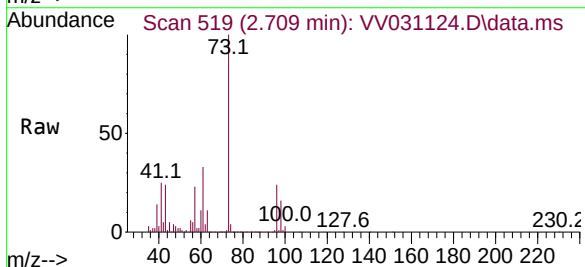
Tgt Ion: 73 Resp: 205732

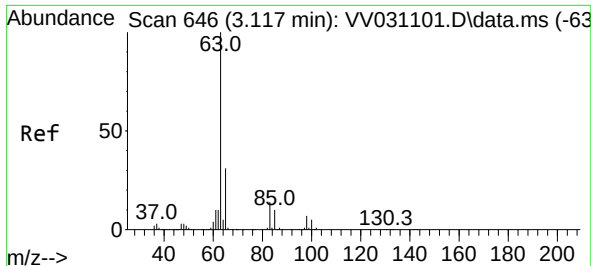
Ion Ratio Lower Upper

73 100

43 24.1 19.4 29.2

57 22.0 17.1 25.7





#19

1,1-Dichloroethane

Concen: 50.229 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Instrument :

MSVOA_V

ClientSampleId :

GBX91MSD

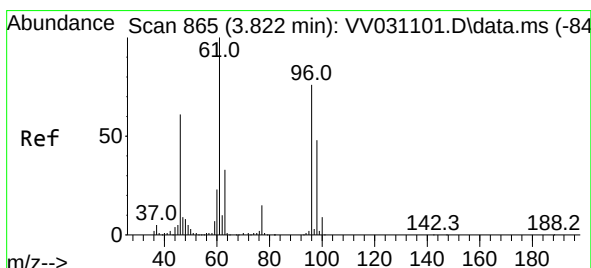
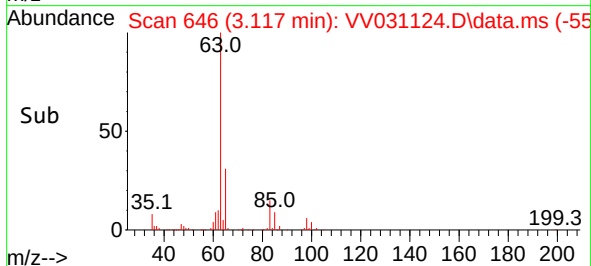
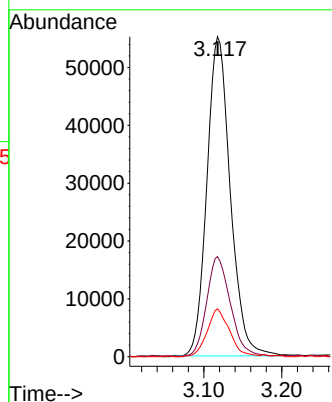
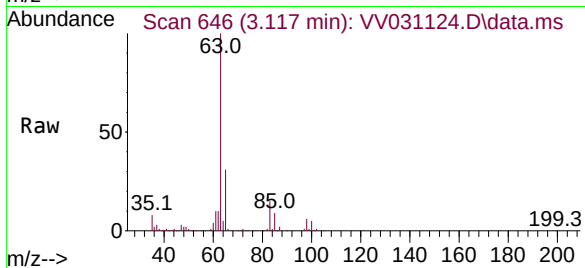
Tgt Ion: 63 Resp: 115382

Ion Ratio Lower Upper

63 100

65 31.3 21.9 40.7

83 14.9 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 437.060 ug/L

RT: 3.818 min Scan# 864

Delta R.T. -0.003 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

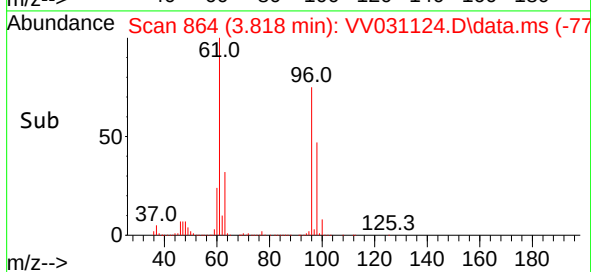
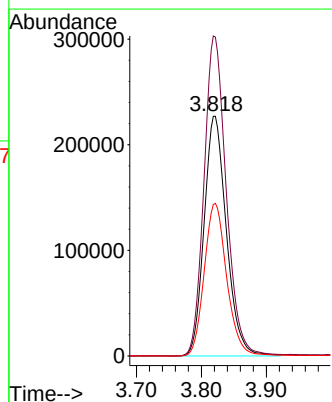
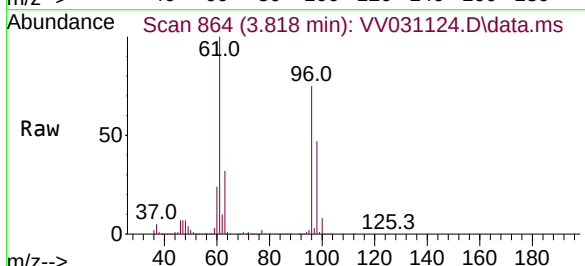
Tgt Ion: 96 Resp: 543075

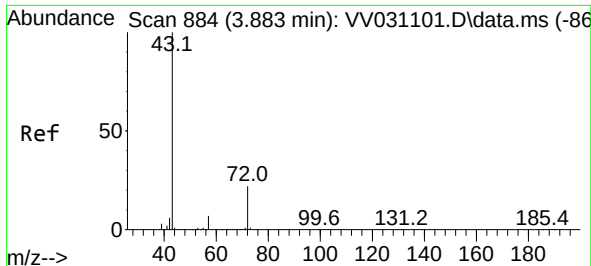
Ion Ratio Lower Upper

96 100

61 133.5 89.2 165.6

98 63.1 43.0 80.0





#22

2-Butanone

Concen: 100.195 ug/L

RT: 3.879 min Scan# 884

Delta R.T. -0.003 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Instrument :

MSVOA_V

ClientSampleId :

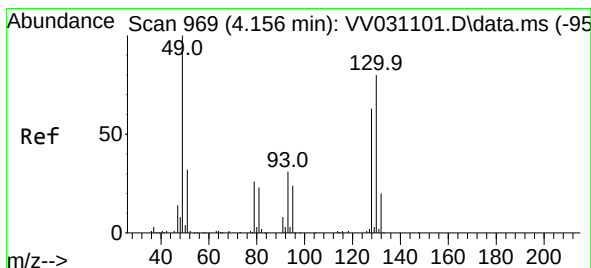
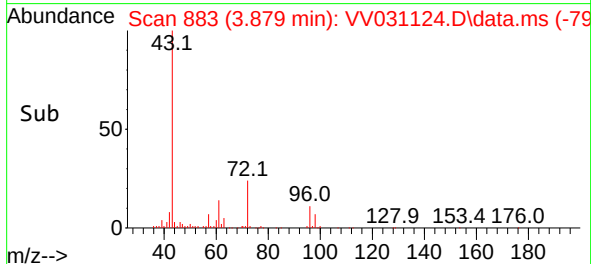
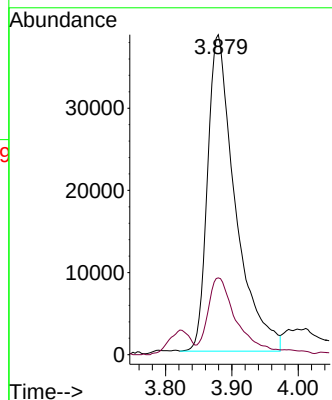
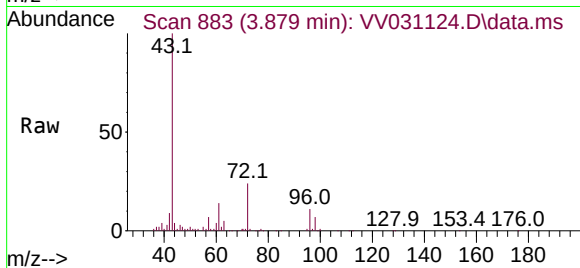
GBX91MSD

Tgt Ion: 43 Resp: 111639

Ion Ratio Lower Upper

43 100

72 22.7 11.9 35.7



#23

Bromochloromethane

Concen: 51.548 ug/L

RT: 4.153 min Scan# 968

Delta R.T. -0.003 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Tgt Ion:128 Resp: 35198

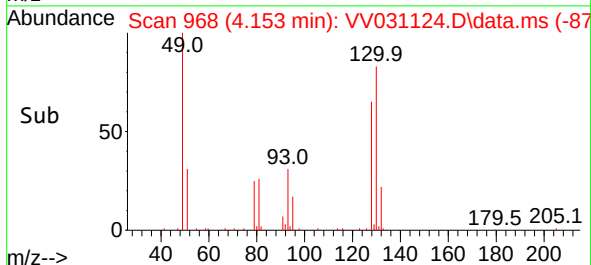
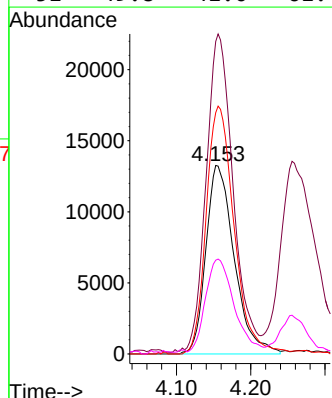
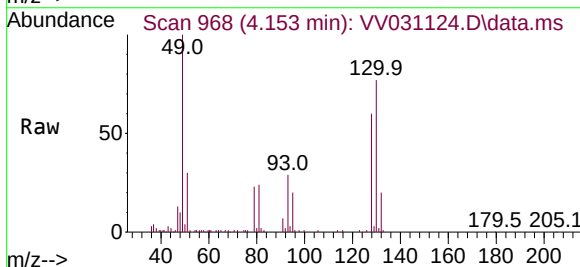
Ion Ratio Lower Upper

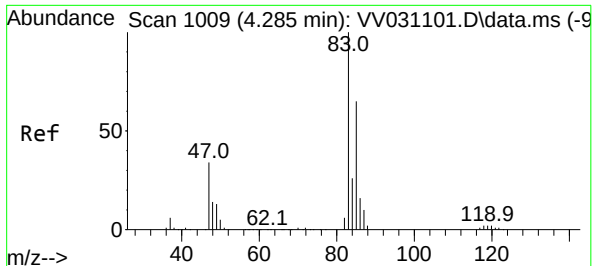
128 100

49 165.7 113.2 210.2

130 128.0 87.5 162.5

51 49.8 41.0 61.4

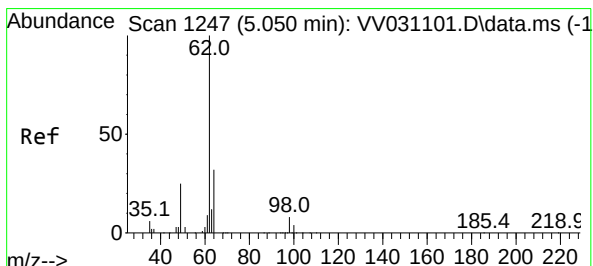
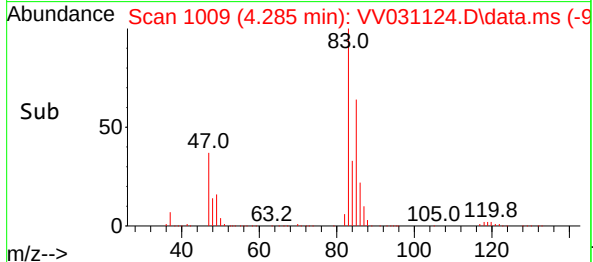
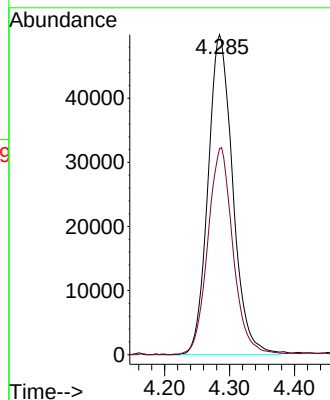
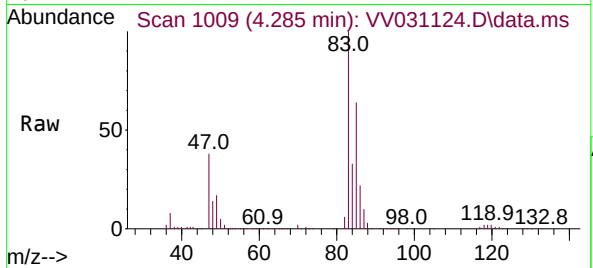




#25
Chloroform
Concen: 51.453 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. -0.000 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

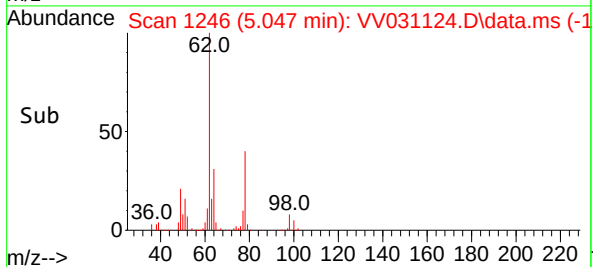
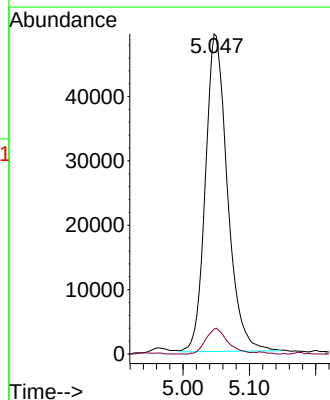
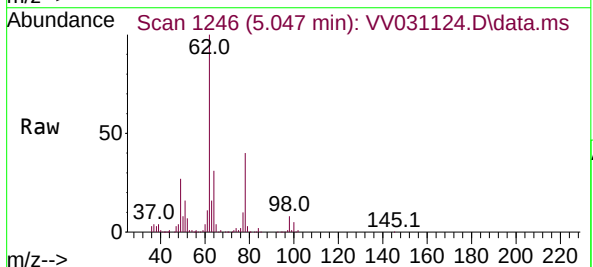
Instrument :
MSVOA_V
ClientSampleId :
GBX91MSD

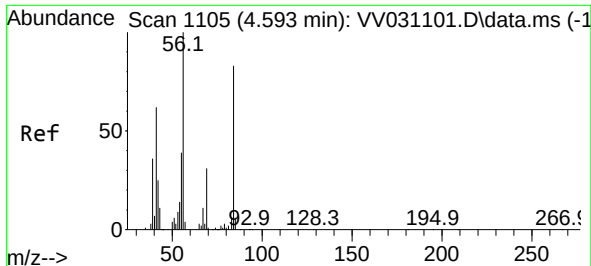
Tgt Ion: 83 Resp: 132032
Ion Ratio Lower Upper
83 100
85 64.4 47.3 87.9



#27
1,2-Dichloroethane
Concen: 52.459 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. -0.003 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

Tgt Ion: 62 Resp: 114215
Ion Ratio Lower Upper
62 100
98 7.8 6.3 9.5





#29

Cyclohexane

Concen: 50.848 ug/L

RT: 4.590 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Instrument :

MSVOA_V

ClientSampleId :

GBX91MSD

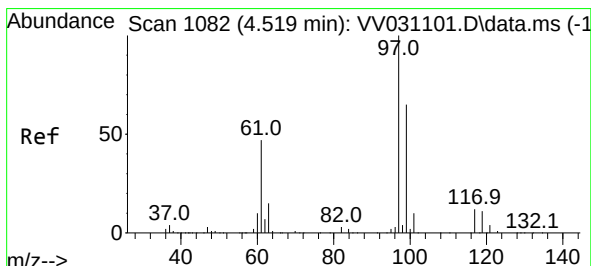
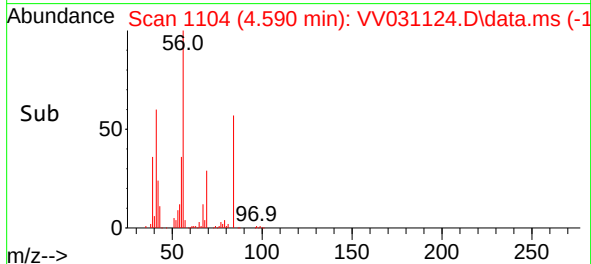
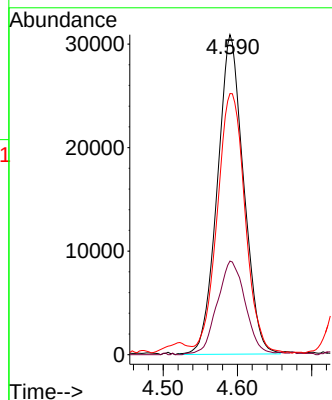
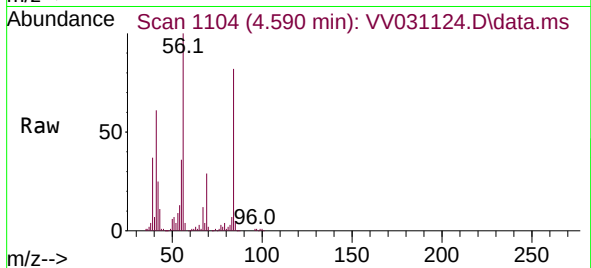
Tgt Ion: 56 Resp: 75890

Ion Ratio Lower Upper

56 100

69 31.3 25.1 37.7

84 85.9 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 50.933 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

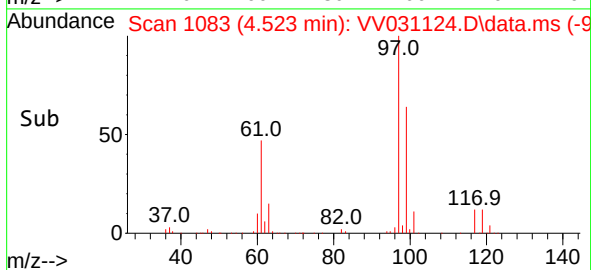
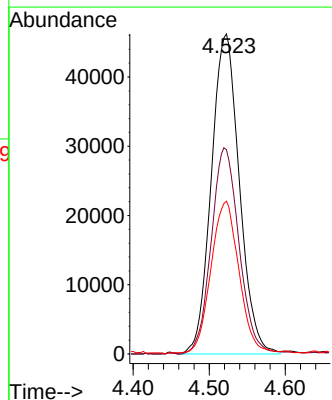
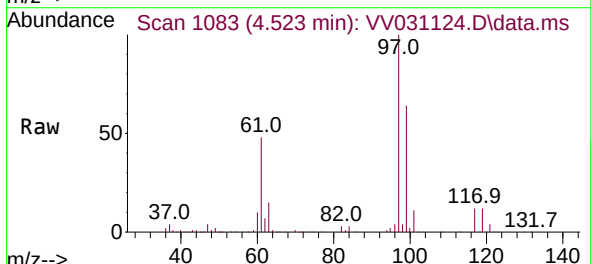
Tgt Ion: 97 Resp: 118542

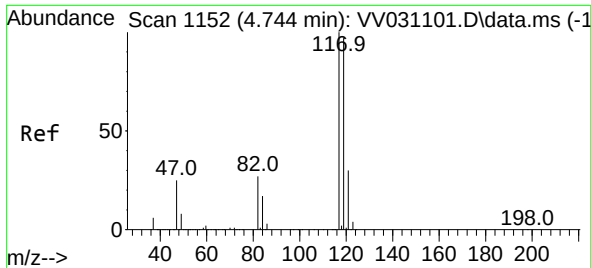
Ion Ratio Lower Upper

97 100

99 64.0 51.9 77.9

61 48.1 38.2 57.2

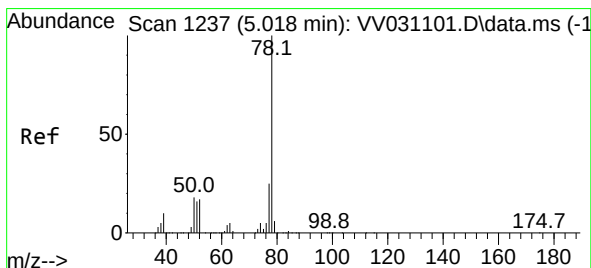
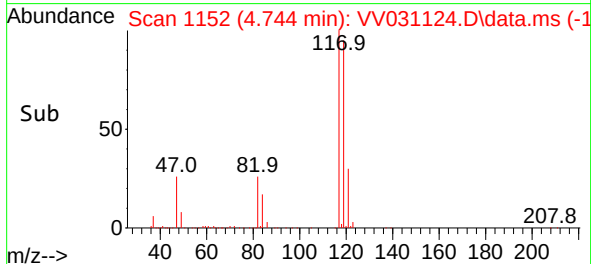
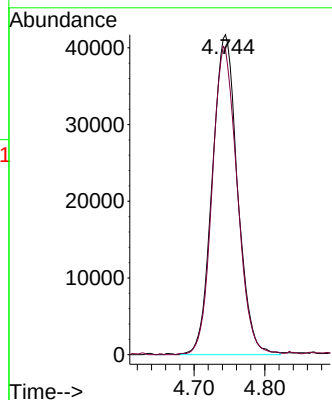
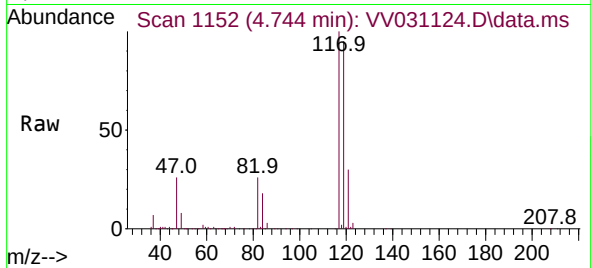




#31
Carbon tetrachloride
Concen: 50.759 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

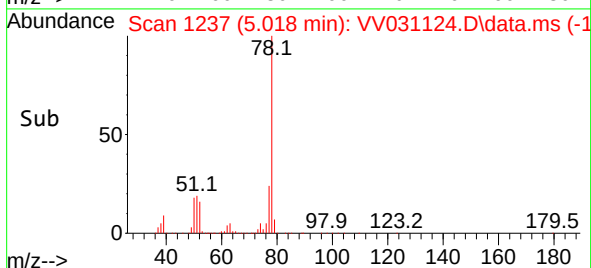
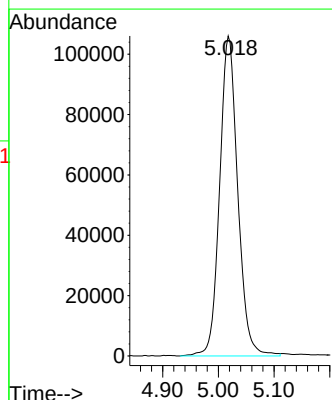
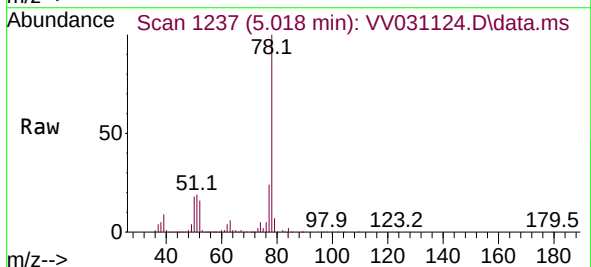
Instrument : MSVOA_V
ClientSampleId : GBX91MSD

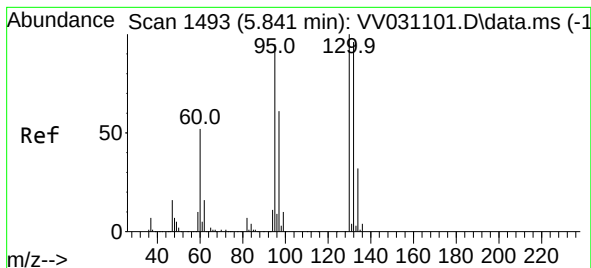
Tgt Ion:117 Resp: 102918
Ion Ratio Lower Upper
117 100
119 94.1 76.9 115.3



#33
Benzene
Concen: 52.708 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

Tgt Ion: 78 Resp: 239501





#34

Trichloroethene

Concen: 3892.551 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Instrument :

MSVOA_V

ClientSampleId :

GBX91MSD

Tgt Ion: 95 Resp: 4739257

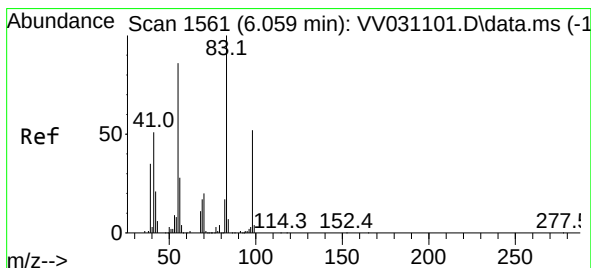
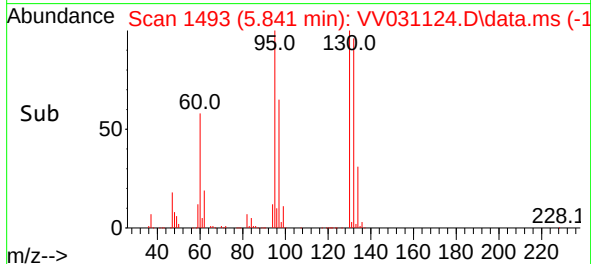
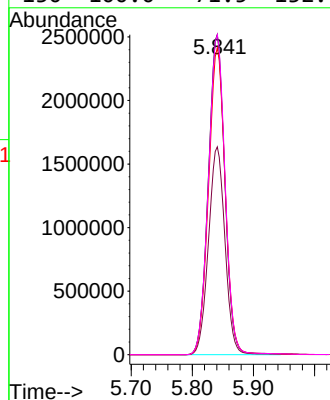
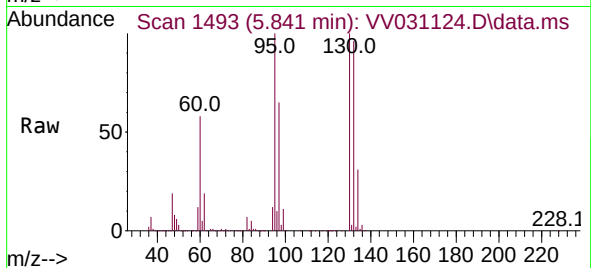
Ion Ratio Lower Upper

95 100

97 65.0 44.4 82.5

132 95.9 70.2 130.4

130 100.0 71.5 132.7



#35

Methylcyclohexane

Concen: 48.660 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. -0.003 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

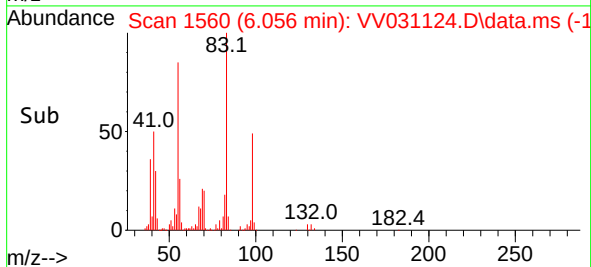
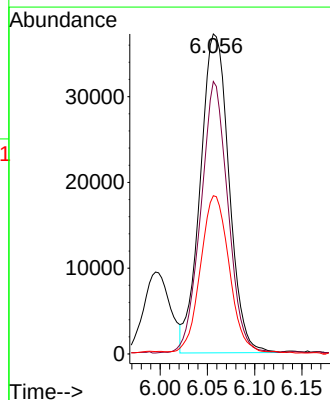
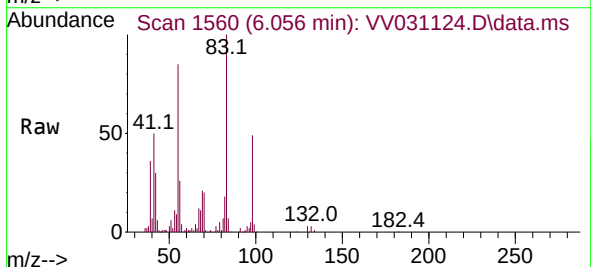
Tgt Ion: 83 Resp: 78614

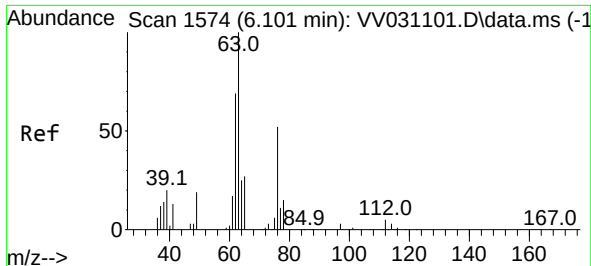
Ion Ratio Lower Upper

83 100

55 80.7 64.2 96.2

98 49.2 40.0 60.0

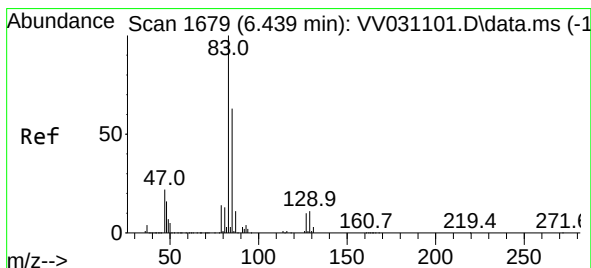
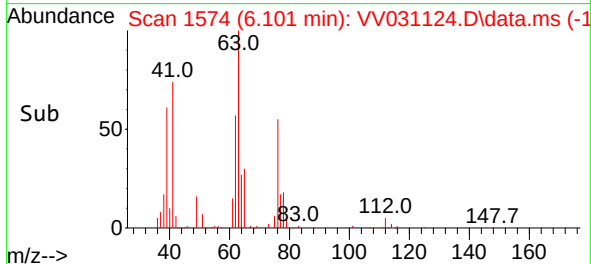
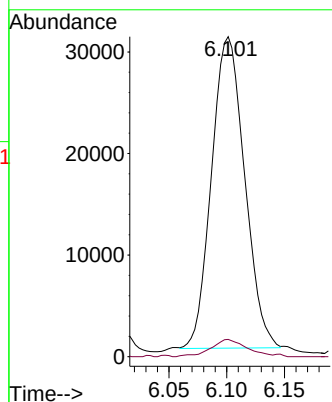
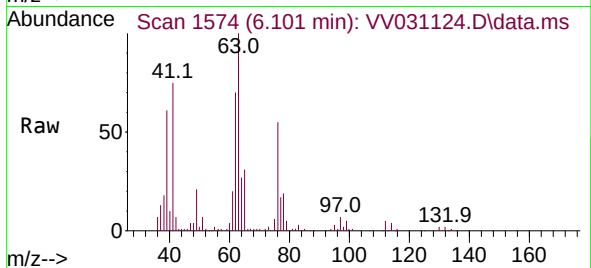




#37
1,2-Dichloropropane
Concen: 48.866 ug/L
RT: 6.101 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

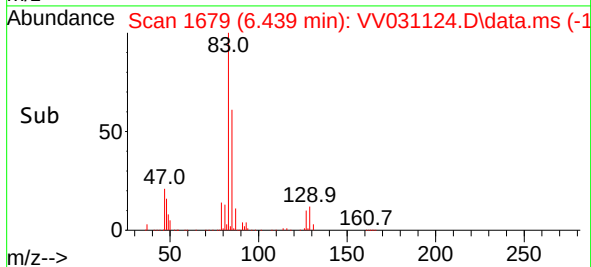
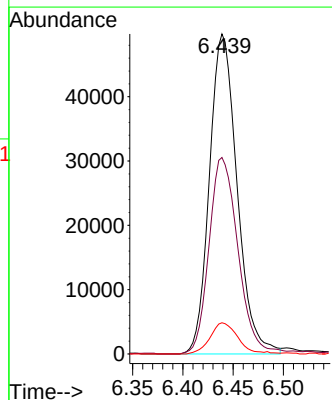
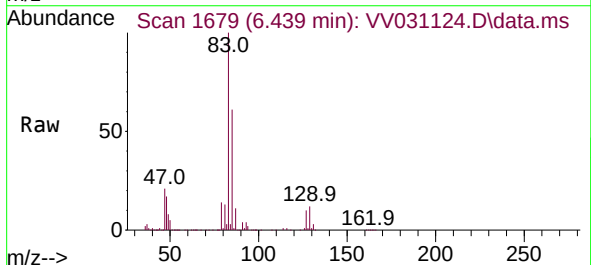
Instrument :
MSVOA_V
ClientSampleId :
GBX91MSD

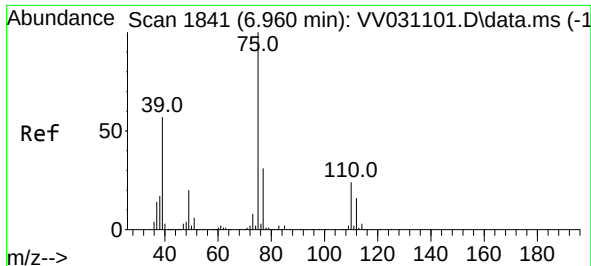
Tgt Ion: 63 Resp: 61114
Ion Ratio Lower Upper
63 100
112 5.7 4.3 6.5



#38
Bromodichloromethane
Concen: 49.164 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

Tgt Ion: 83 Resp: 95314
Ion Ratio Lower Upper
83 100
85 61.4 44.0 81.6
127 9.7 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 50.671 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Instrument :

MSVOA_V

ClientSampleId :

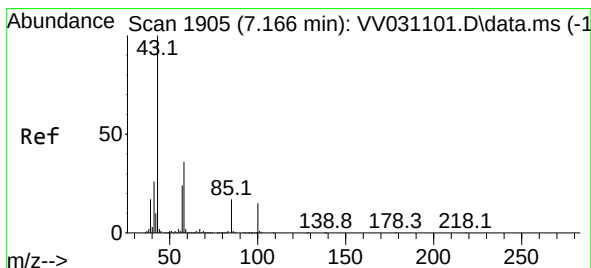
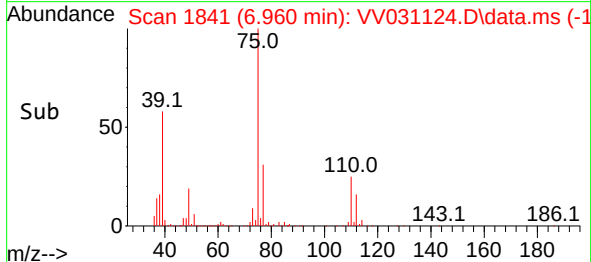
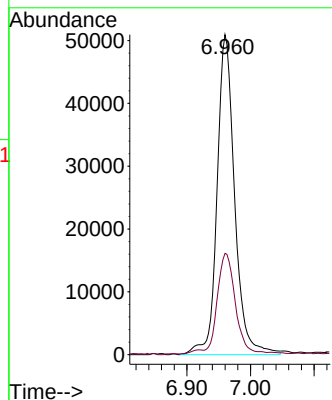
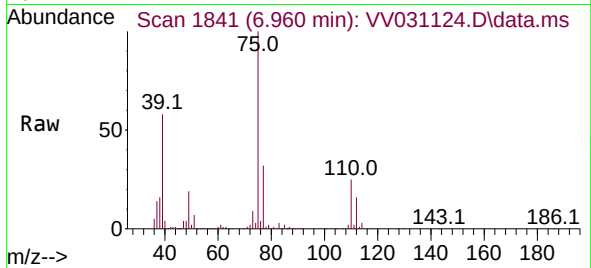
GBX91MSD

Tgt Ion: 75 Resp: 97719

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 111.005 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

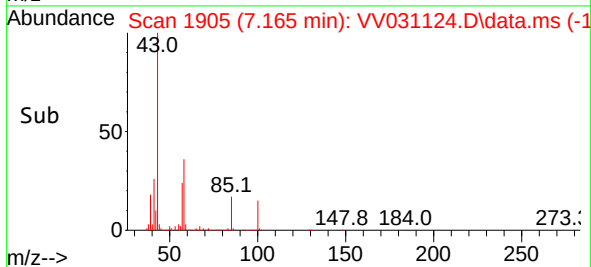
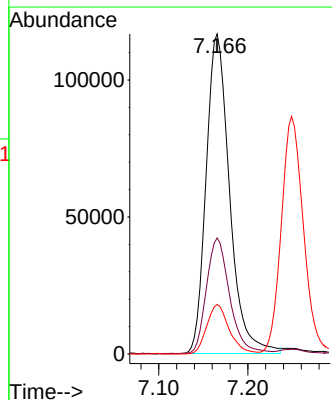
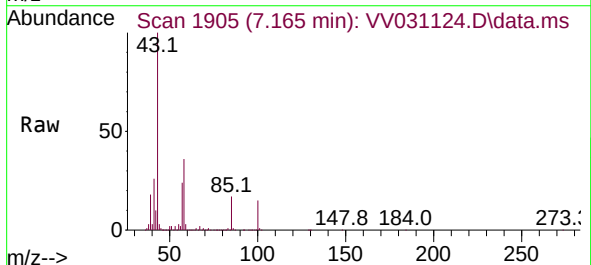
Tgt Ion: 43 Resp: 213628

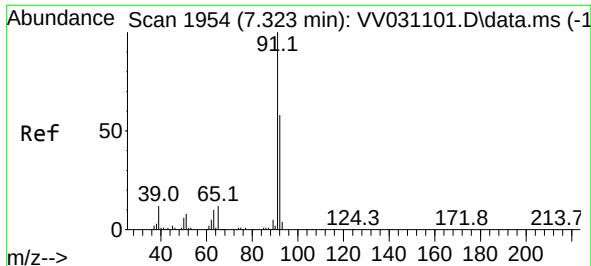
Ion Ratio Lower Upper

43 100

58 35.3 29.0 43.4

100 14.8 12.2 18.4





#42

Toluene

Concen: 52.001 ug/L

RT: 7.320 min Scan# 1954

Delta R.T. -0.003 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Instrument :

MSVOA_V

ClientSampleId :

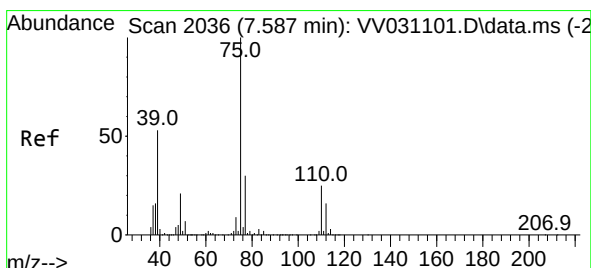
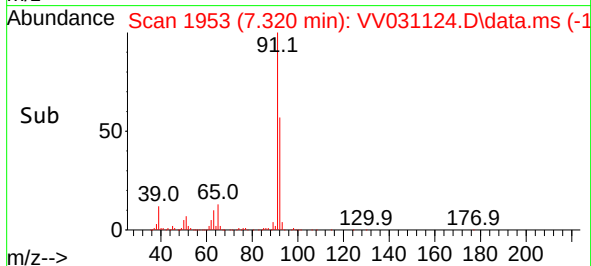
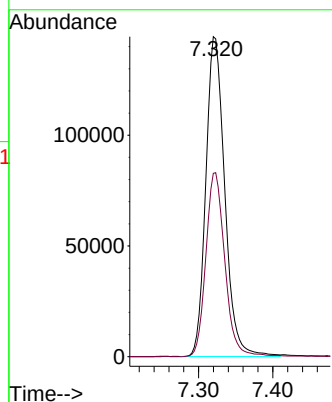
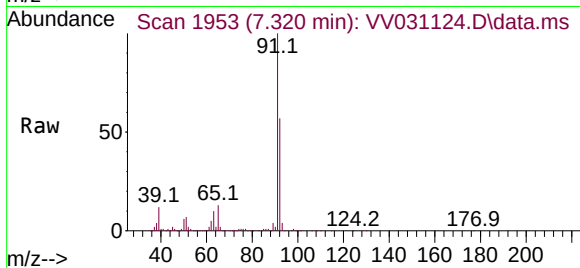
GBX91MSD

Tgt Ion: 91 Resp: 255647

Ion Ratio Lower Upper

91 100

92 57.3 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 51.819 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031124.D

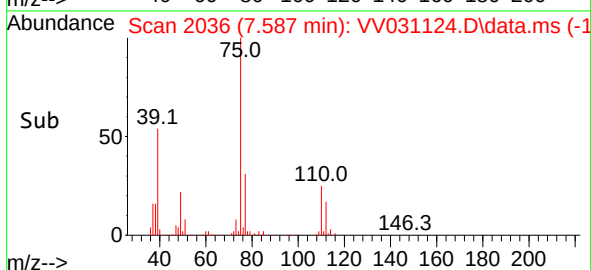
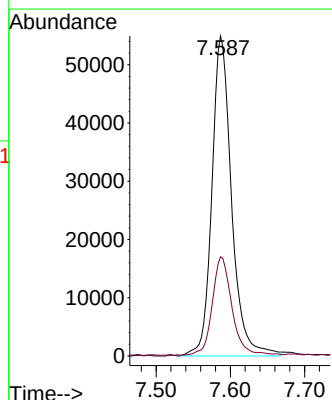
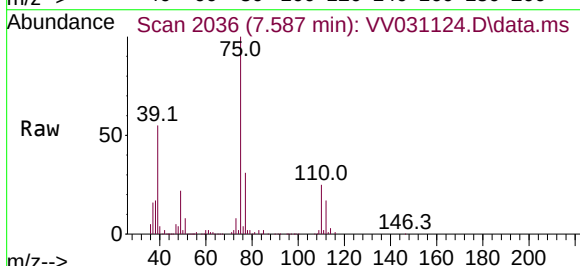
Acq: 19 May 2023 22:14

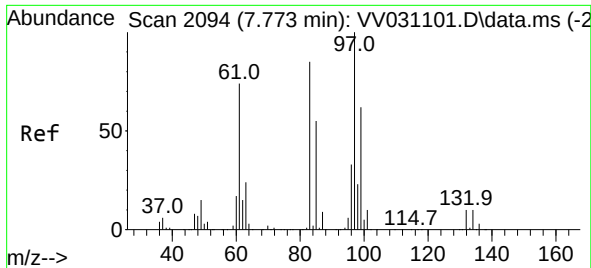
Tgt Ion: 75 Resp: 101095

Ion Ratio Lower Upper

75 100

77 31.0 22.2 41.2

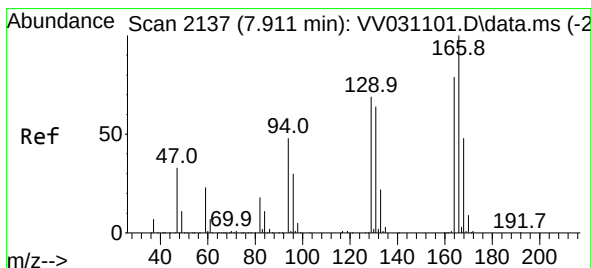
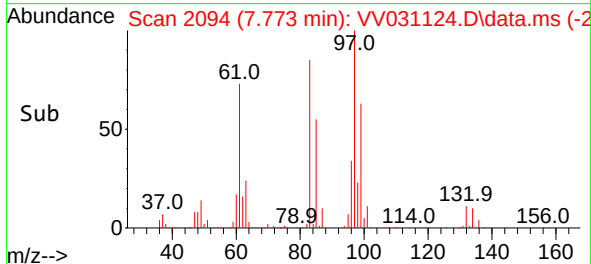
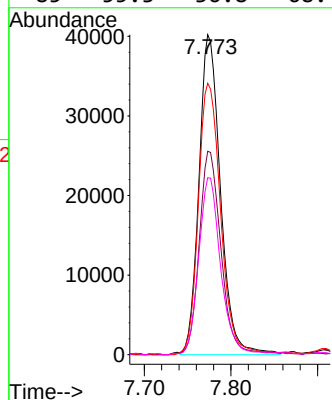
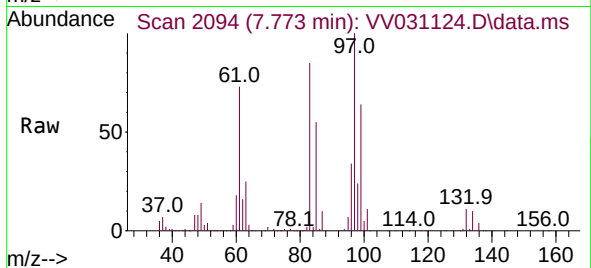




#45
1,1,2-Trichloroethane
Concen: 50.976 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

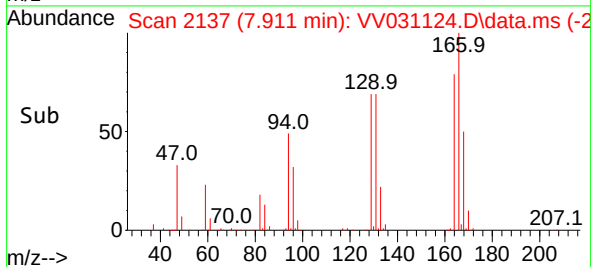
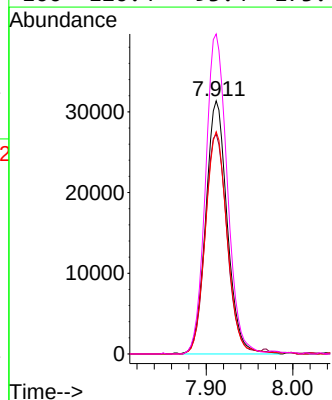
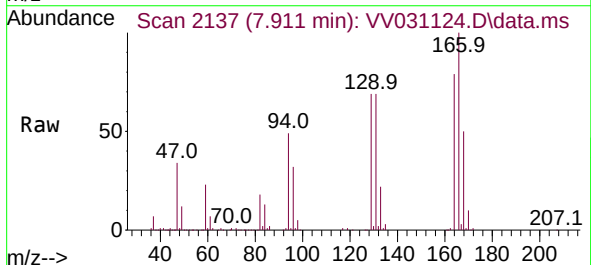
Instrument :
MSVOA_V
ClientSampleId :
GBX91MSD

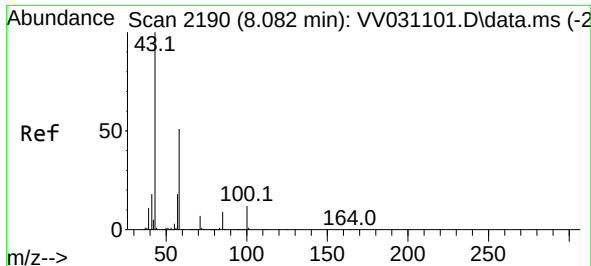
Tgt Ion:	97	Resp:	69568
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.2	80.2
83	84.8	60.5	112.3
85	55.3	36.8	68.4



#46
Tetrachloroethene
Concen: 51.880 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

Tgt Ion:	164	Resp:	54238
Ion	Ratio	Lower	Upper
164	100		
129	86.9	65.5	121.7
131	87.8	62.1	115.3
166	126.4	93.4	173.4

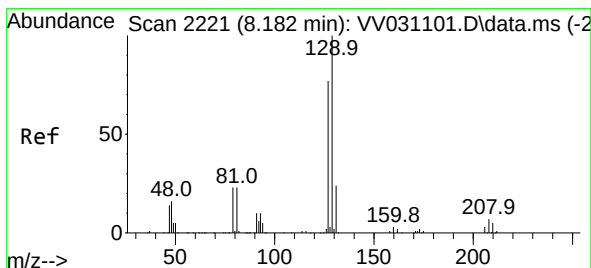
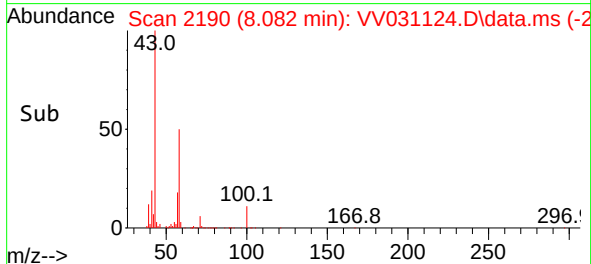
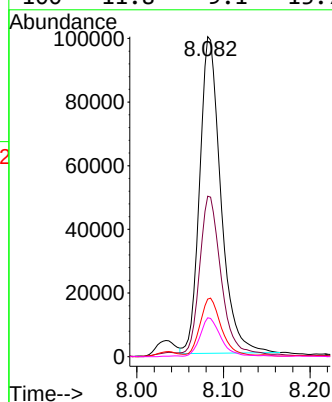
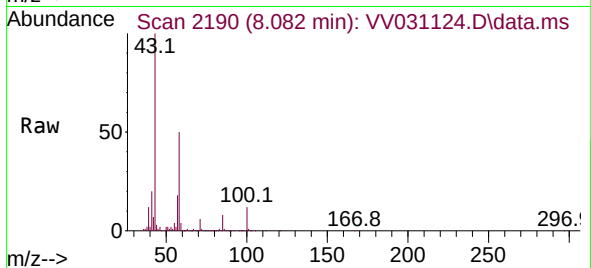




#48
2-Hexanone
Concen: 105.632 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

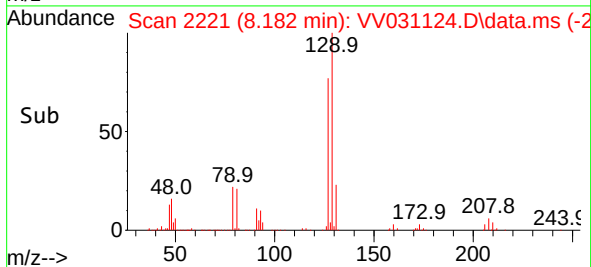
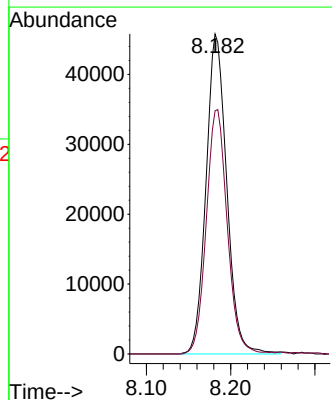
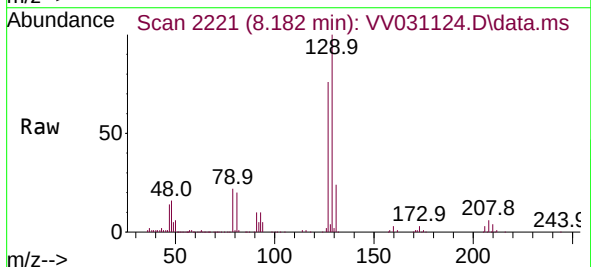
Instrument :
MSVOA_V
ClientSampleId :
GBX91MSD

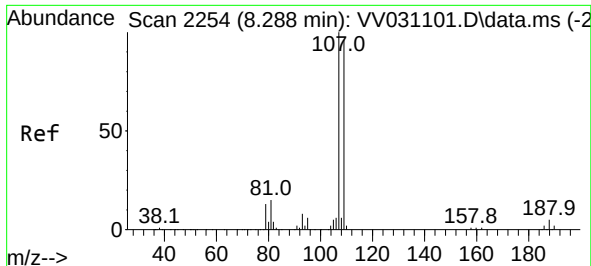
Tgt Ion:	43	Resp:	169318
Ion	Ratio	Lower	Upper
43	100		
58	50.2	39.8	59.6
57	18.8	14.4	21.6
100	11.8	9.1	13.7



#49
Dibromochloromethane
Concen: 50.875 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

Tgt Ion:	129	Resp:	78337
Ion	Ratio	Lower	Upper
129	100		
127	76.0	56.1	104.1





#50

1,2-Dibromoethane

Concen: 50.818 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Instrument :

MSVOA_V

ClientSampleId :

GBX91MSD

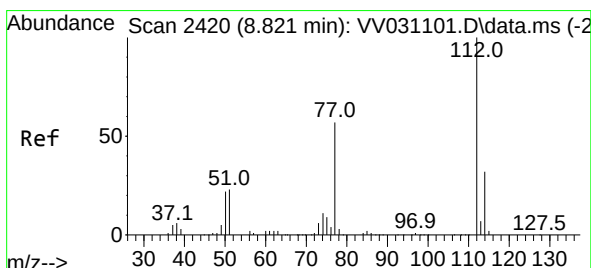
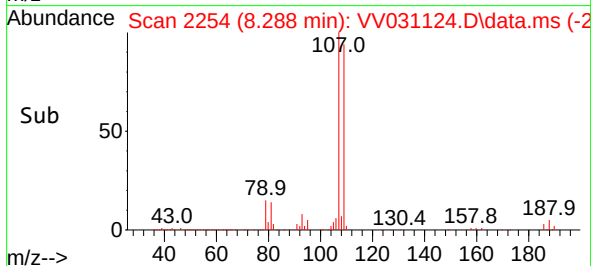
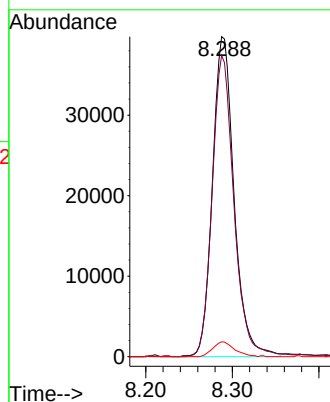
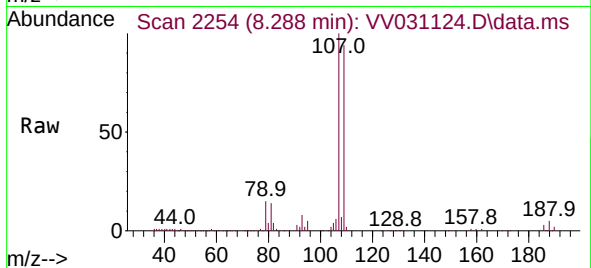
Tgt Ion:107 Resp: 68953

Ion Ratio Lower Upper

107 100

109 94.2 65.6 121.8

188 4.7 3.8 5.6



#51

Chlorobenzene

Concen: 48.775 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

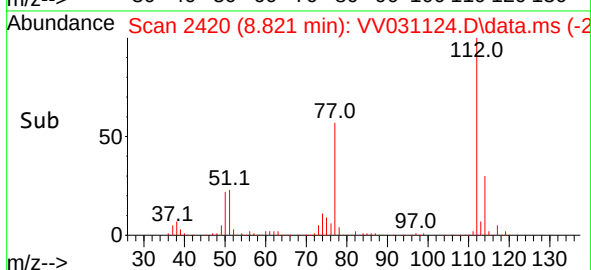
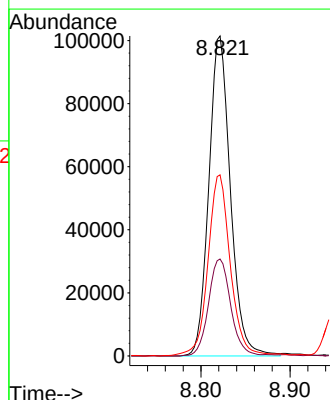
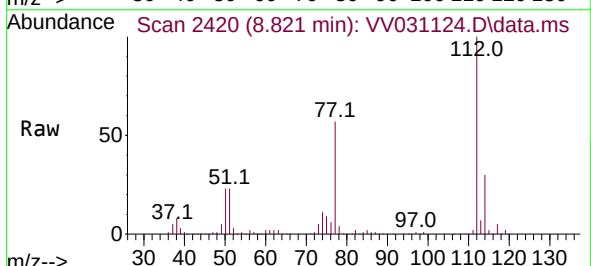
Tgt Ion:112 Resp: 170666

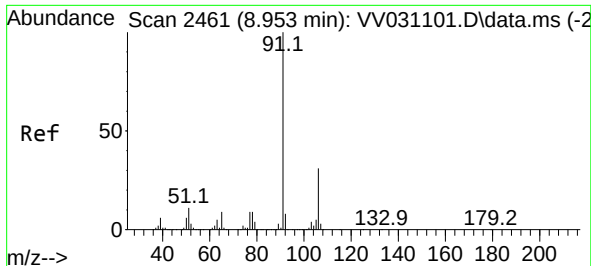
Ion Ratio Lower Upper

112 100

114 30.3 23.0 42.8

77 56.6 46.2 69.4





#52

Ethylbenzene

Concen: 48.879 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Instrument :

MSVOA_V

ClientSampleId :

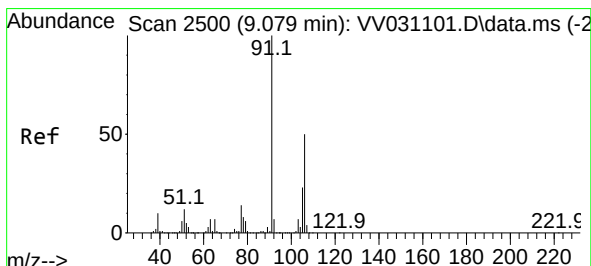
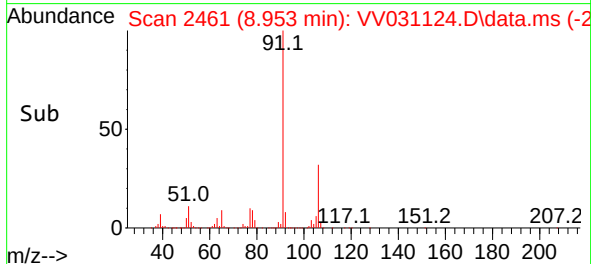
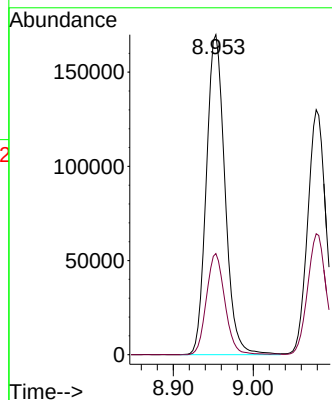
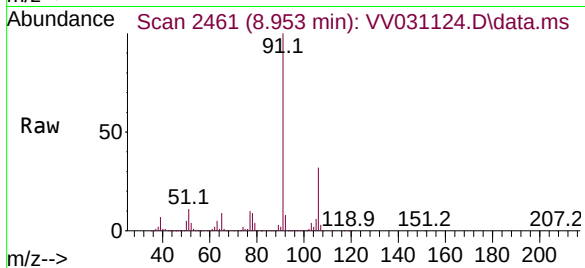
GBX91MSD

Tgt Ion: 91 Resp: 275123

Ion Ratio Lower Upper

91 100

106 31.6 21.5 39.9



#53

m,p-Xylene

Concen: 48.263 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031124.D

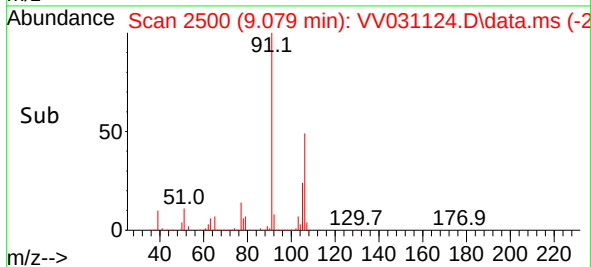
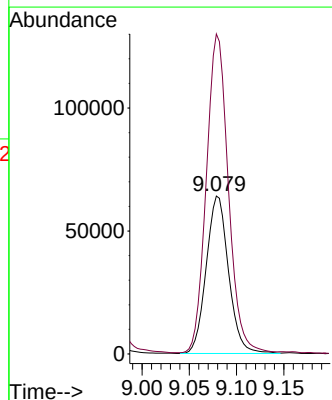
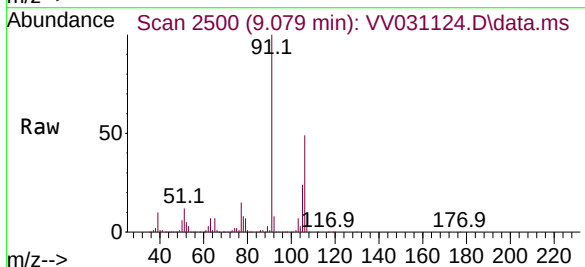
Acq: 19 May 2023 22:14

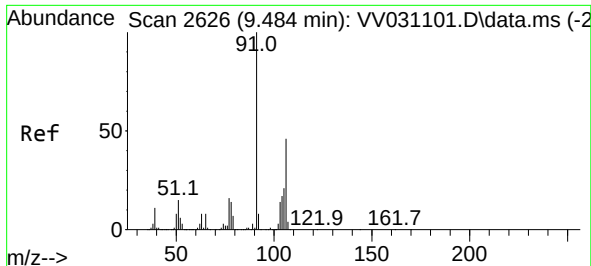
Tgt Ion:106 Resp: 105377

Ion Ratio Lower Upper

106 100

91 202.6 145.3 269.8

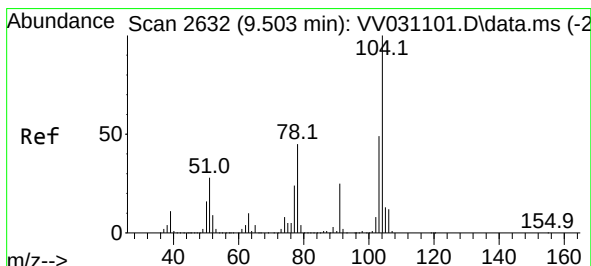
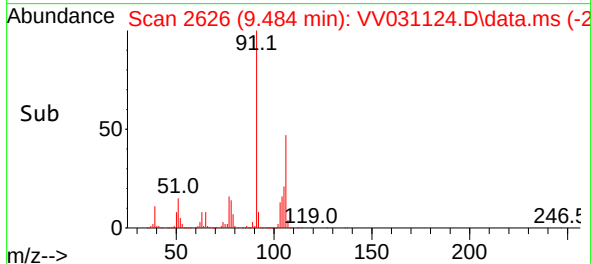
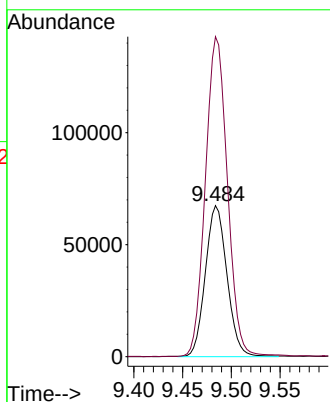
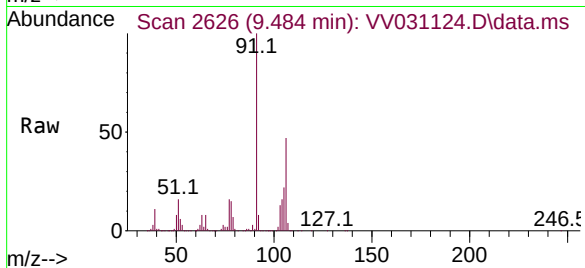




#54
o-Xylene
Concen: 48.423 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

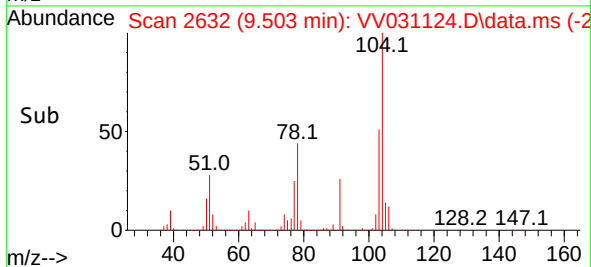
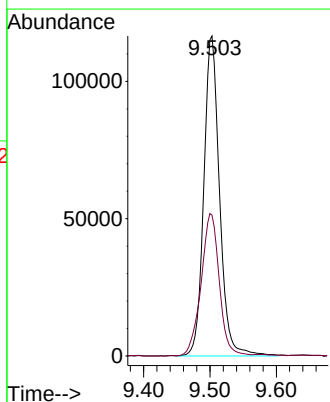
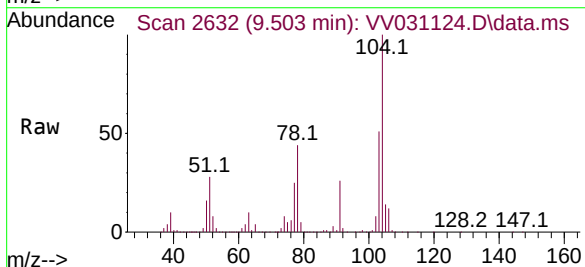
Instrument :
MSVOA_V
ClientSampleId :
GBX91MSD

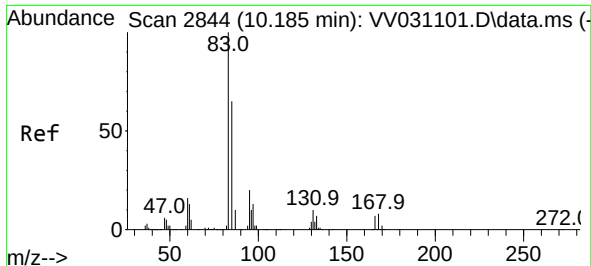
Tgt Ion:106 Resp: 104299
Ion Ratio Lower Upper
106 100
91 211.8 150.4 279.2



#55
Styrene
Concen: 50.735 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

Tgt Ion:104 Resp: 193269
Ion Ratio Lower Upper
104 100
78 44.1 33.2 61.6





#57

1,1,2,2-Tetrachloroethane

Concen: 51.964 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Instrument :

MSVOA_V

ClientSampleId :

GBX91MSD

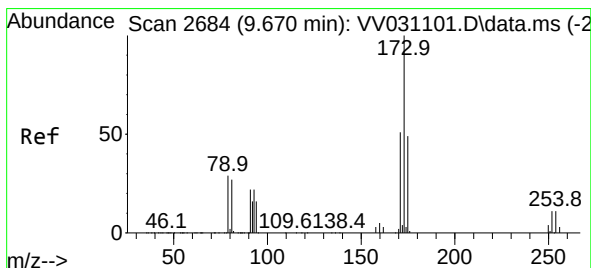
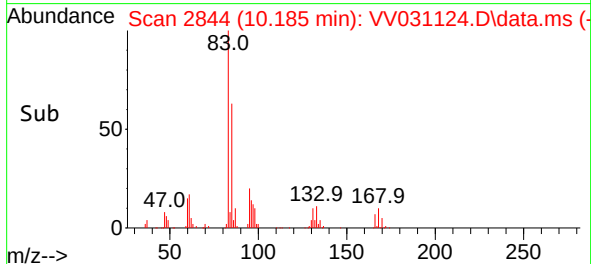
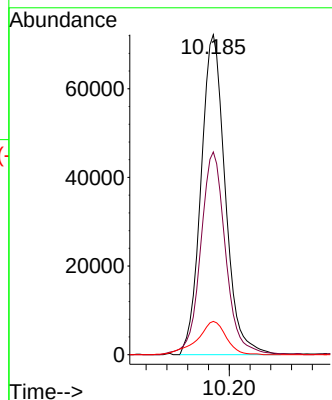
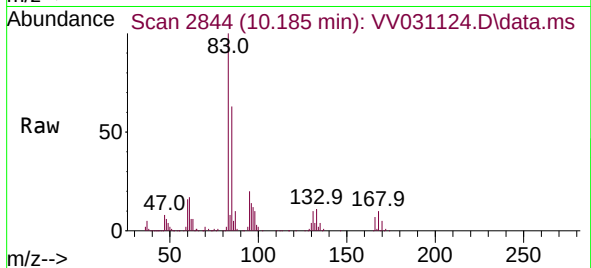
Tgt Ion: 83 Resp: 116521

Ion Ratio Lower Upper

83 100

85 63.3 45.0 83.6

131 10.4 9.2 13.8



#59

Bromoform

Concen: 55.009 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

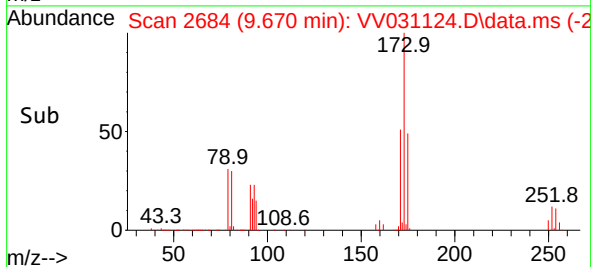
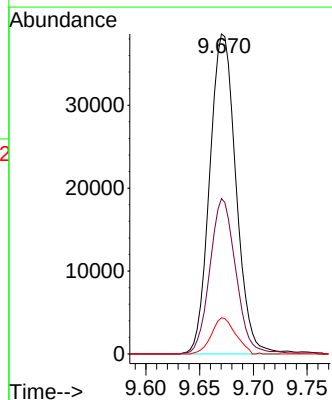
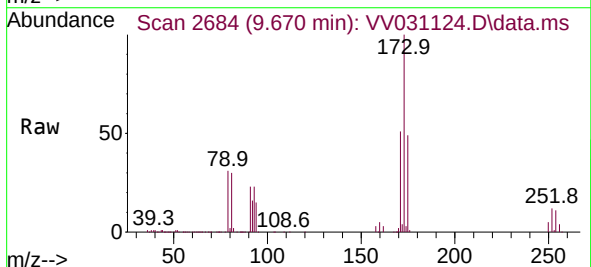
Tgt Ion: 173 Resp: 65590

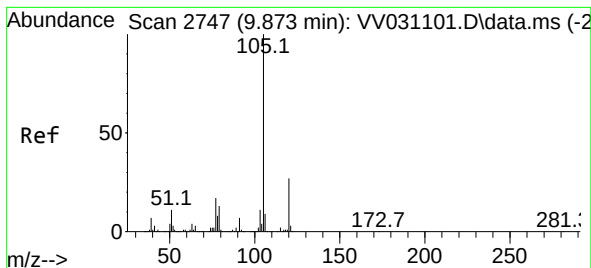
Ion Ratio Lower Upper

173 100

175 47.8 38.8 58.2

254 10.4 8.8 13.2





#60

Isopropylbenzene

Concen: 51.306 ug/L

RT: 9.873 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Instrument :

MSVOA_V

ClientSampleId :

GBX91MSD

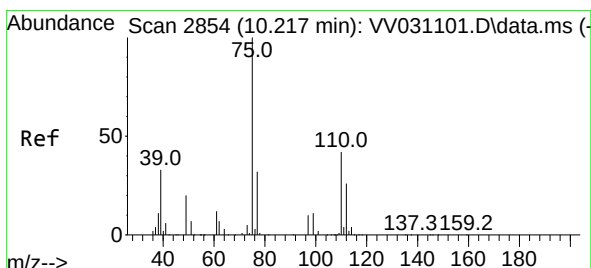
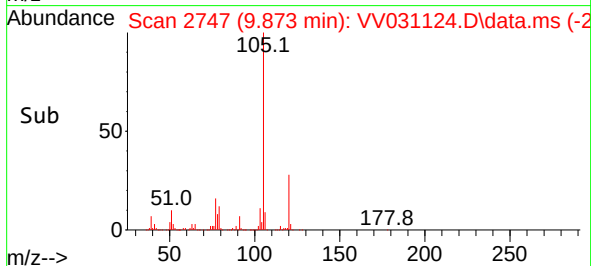
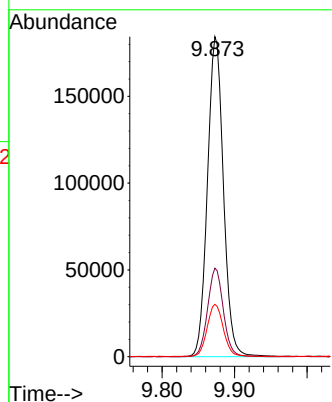
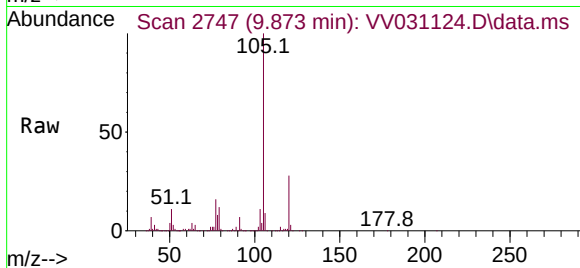
Tgt Ion:105 Resp: 282157

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.0

77 16.4 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 59.289 ug/L

RT: 10.214 min Scan# 2853

Delta R.T. -0.003 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

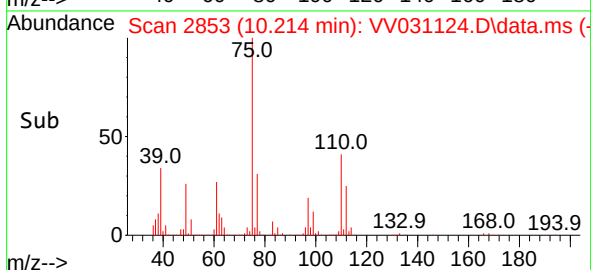
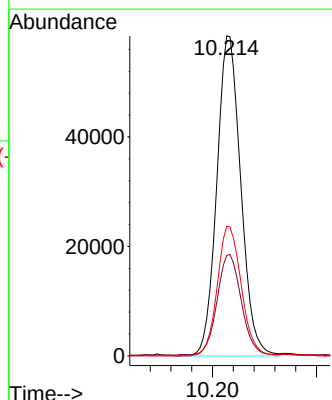
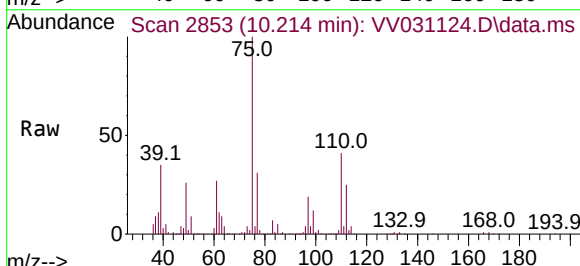
Tgt Ion: 75 Resp: 93791

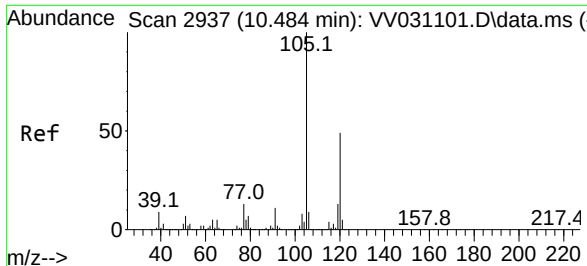
Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

110 40.5 32.5 48.7

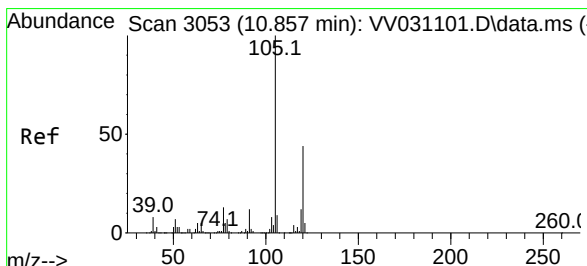
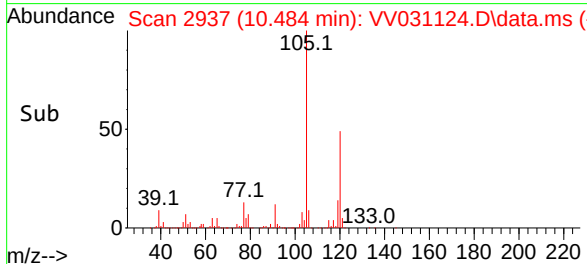
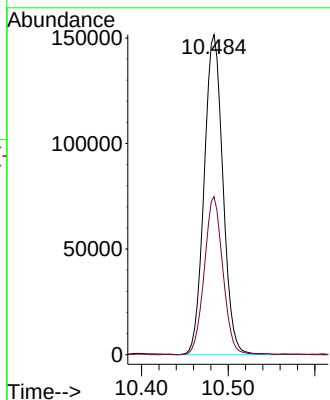
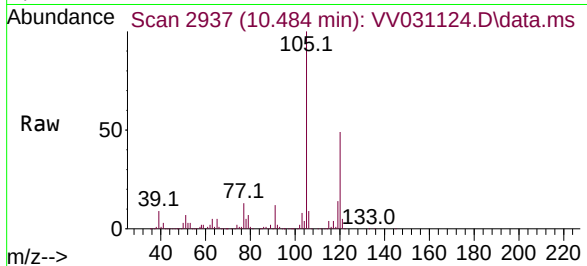




#62
 1,3,5-Trimethylbenzene
 Concen: 50.499 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV031124.D
 Acq: 19 May 2023 22:14

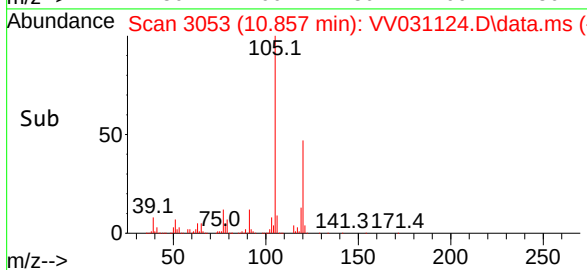
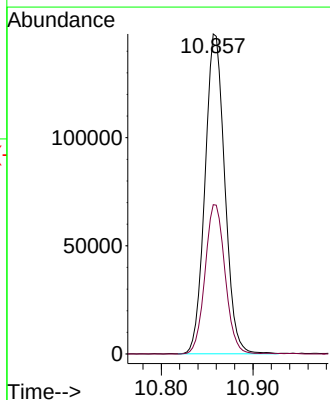
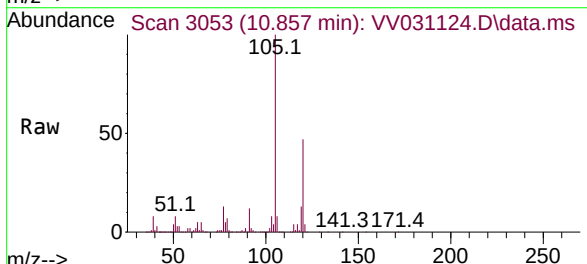
Instrument :
 MSVOA_V
 ClientSampleId :
 GBX91MSD

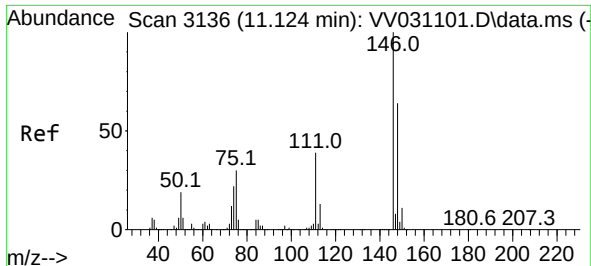
Tgt Ion:105 Resp: 228281
 Ion Ratio Lower Upper
 105 100
 120 48.8 40.5 60.7



#63
 1,2,4-Trimethylbenzene
 Concen: 50.041 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. -0.000 min
 Lab File: VV031124.D
 Acq: 19 May 2023 22:14

Tgt Ion:105 Resp: 221181
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.5 56.3

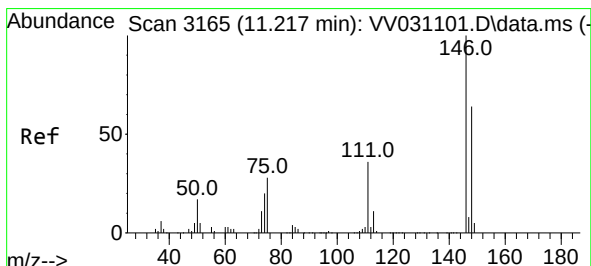
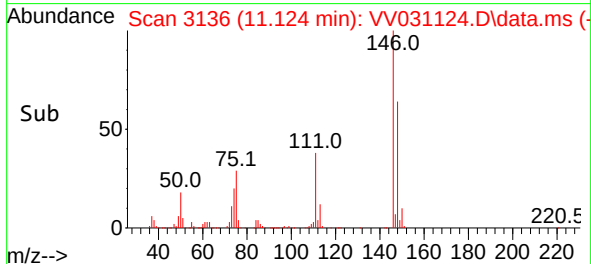
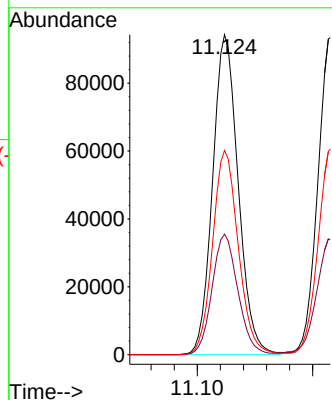
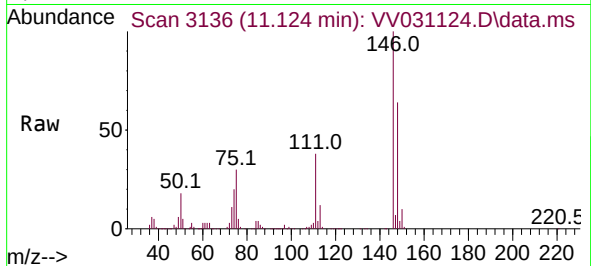




#64
1,3-Dichlorobenzene
Concen: 51.452 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

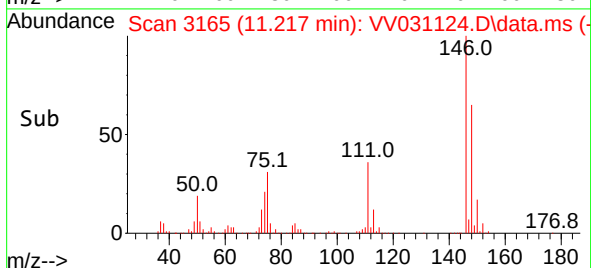
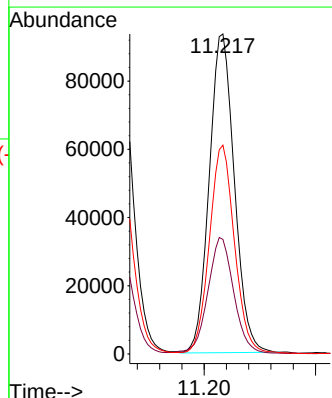
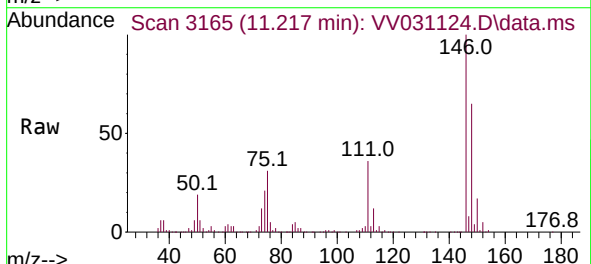
Instrument :
MSVOA_V
ClientSampleId :
GBX91MSD

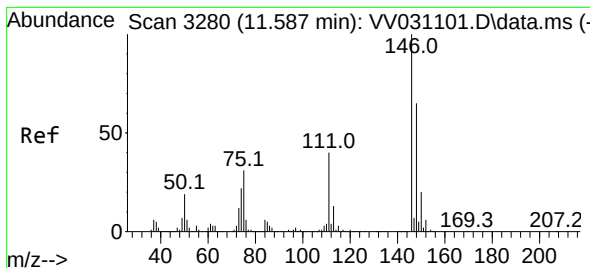
Tgt Ion:146 Resp: 144986
Ion Ratio Lower Upper
146 100
111 37.7 27.2 50.4
148 63.9 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 49.890 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV031124.D
Acq: 19 May 2023 22:14

Tgt Ion:146 Resp: 146256
Ion Ratio Lower Upper
146 100
111 35.8 25.5 47.3
148 65.3 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 51.959 ug/L

RT: 11.587 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Instrument :

MSVOA_V

ClientSampleId :

GBX91MSD

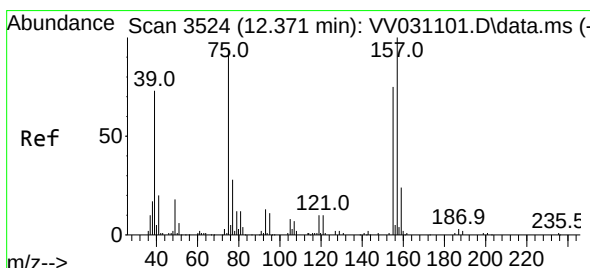
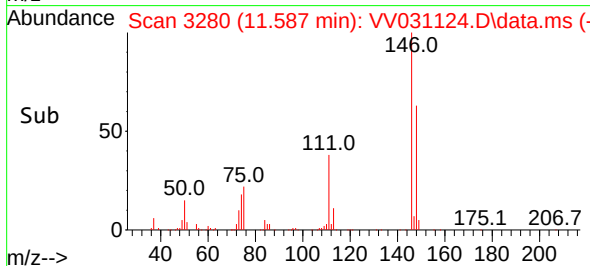
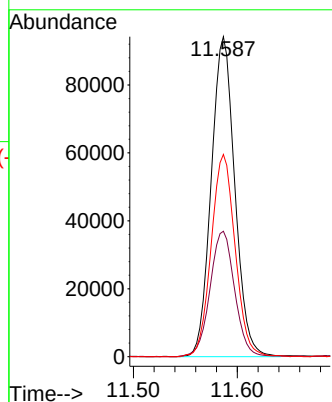
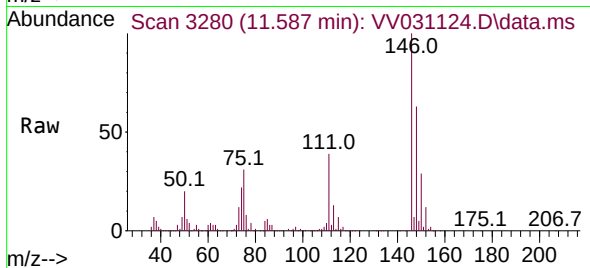
Tgt Ion:146 Resp: 148563

Ion Ratio Lower Upper

146 100

111 39.2 31.4 47.2

148 63.2 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 50.937 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

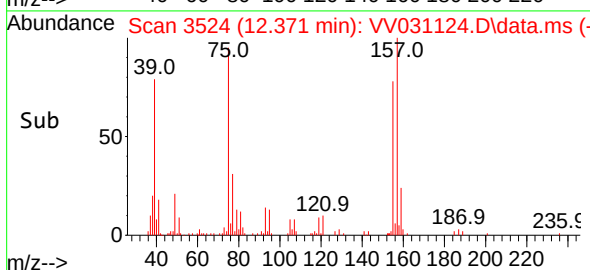
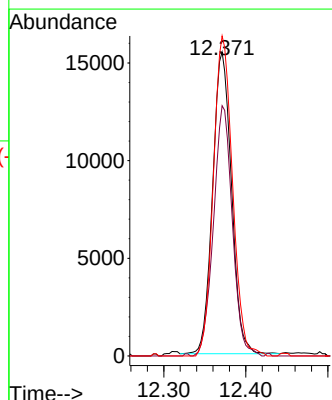
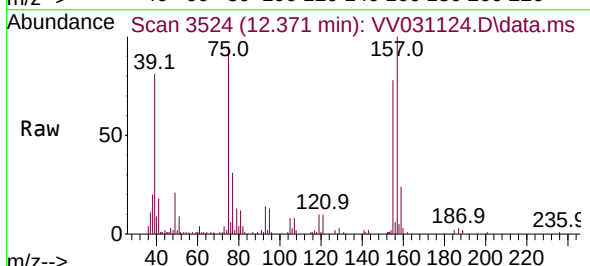
Tgt Ion: 75 Resp: 24735

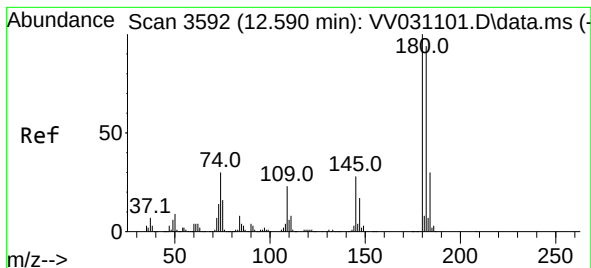
Ion Ratio Lower Upper

75 100

155 82.4 70.9 106.3

157 105.3 88.1 132.1





#69

1,3,5-Trichlorobenzene

Concen: 42.680 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Instrument :

MSVOA_V

ClientSampleId :

GBX91MSD

Tgt Ion:180 Resp: 92971

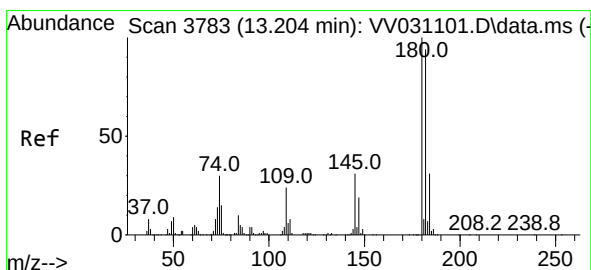
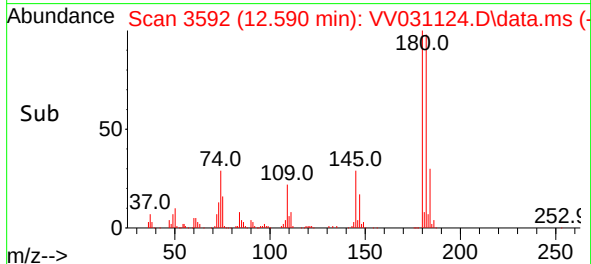
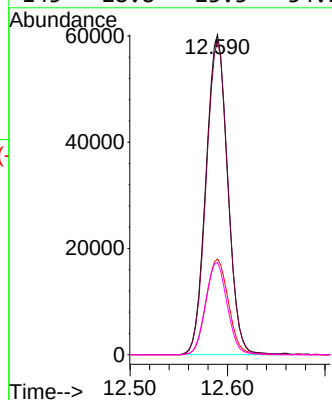
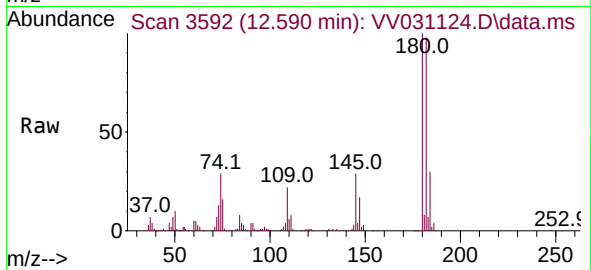
Ion Ratio Lower Upper

180 100

182 98.5 76.6 115.0

184 30.7 24.6 37.0

145 28.8 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 43.418 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

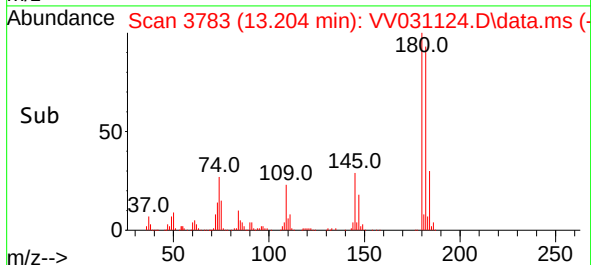
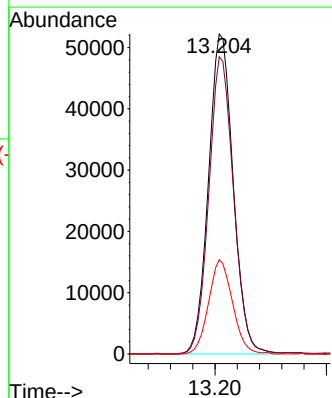
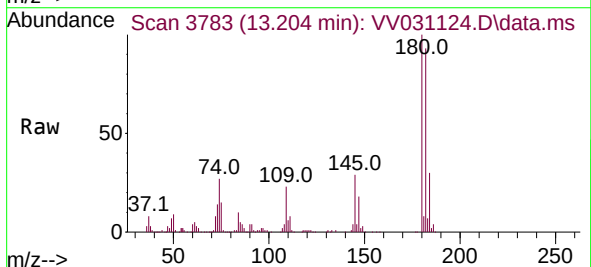
Tgt Ion:180 Resp: 80489

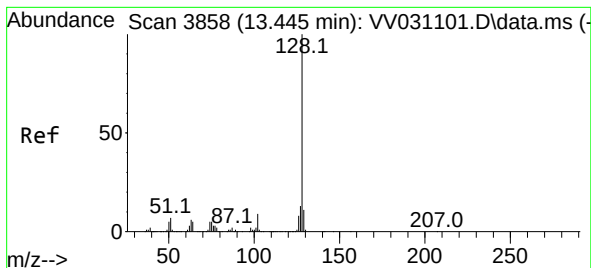
Ion Ratio Lower Upper

180 100

182 92.9 75.4 113.2

145 28.5 23.1 34.7





#71

Naphthalene

Concen: 41.841 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Instrument :

MSVOA_V

ClientSampleId :

GBX91MSD

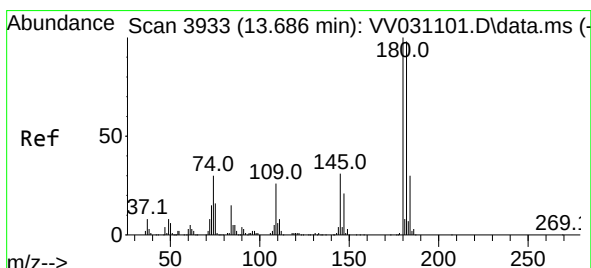
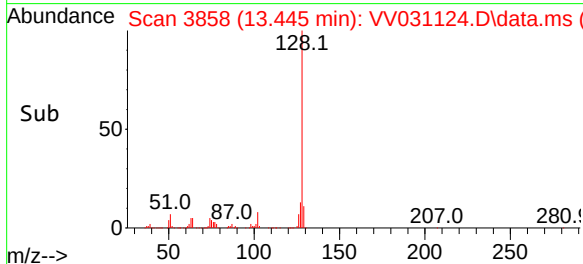
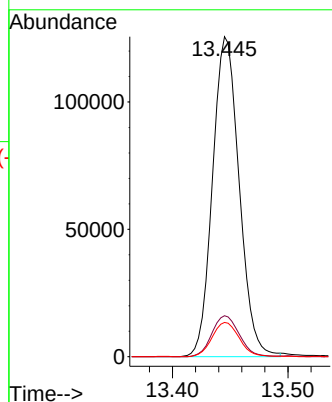
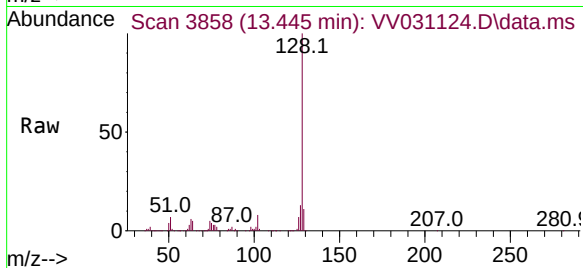
Tgt Ion:128 Resp: 201477

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 42.979 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031124.D

Acq: 19 May 2023 22:14

Tgt Ion:180 Resp: 79619

Ion Ratio Lower Upper

180 100

182 95.1 75.4 113.0

145 30.3 24.2 36.4

