

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052523\
 Data File : VW031233.D
 Acq On : 25 May 2023 15:07
 Operator : SY/MD
 Sample : VSTD02043
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 26 06:34:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR052523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 26 06:30:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	171586	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	166902	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	98726	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	381651	20.070	ug/L	0.00
7) Chloroethane-d5	1.535	69	285606	19.252	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	151757	19.307	ug/L	0.00
20) 2-Butanone-d5	3.802	46	903131	219.781	ug/L	0.00
24) Chloroform-d	4.252	84	761486	20.193	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	369673	19.840	ug/L	0.00
32) Benzene-d6	4.963	84	1397737	20.053	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	379656	16.278	ug/L	0.00
41) Toluene-d8	7.246	98	1172477	19.250	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.555	79	148507	19.803	ug/L	0.00
46) 2-Hexanone-d5	8.030	63	729439	243.218	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	307534	18.683	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	446973	19.297	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	359337	19.463	ug/L	100
3) Chloromethane	1.217	50	366634	17.747	ug/L	100
5) Vinyl chloride	1.285	62	386269	19.334	ug/L	99
6) Bromomethane	1.490	94	181131	18.361	ug/L	97
8) Chloroethane	1.552	64	201938	19.177	ug/L	100
9) Trichlorofluoromethane	1.716	101	544646	19.827	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	283878	19.526	ug/L	99
12) 1,1-Dichloroethene	2.072	96	228575	19.682	ug/L	85
13) Acetone	2.140	43	602819	185.769	ug/L	98
14) Carbon disulfide	2.243	76	676447	19.666	ug/L	100
15) Methyl Acetate	2.384	43	126763	19.784	ug/L	98
16) Methylene chloride	2.449	84	316868	15.807	ug/L	99
17) Methyl tert-butyl Ether	2.709	73	686666	21.438	ug/L	97
18) trans-1,2-Dichloroethene	2.696	96	260234	20.096	ug/L	99
19) 1,1-Dichloroethane	3.114	63	616195	19.289	ug/L	100
21) 2-Butanone	3.883	43	879780	216.317	ug/L	94
22) cis-1,2-Dichloroethene	3.818	96	314036	21.107	ug/L	97
23) Bromochloromethane	4.149	128	127390	19.218	ug/L	95
25) Chloroform	4.278	83	623489	19.087	ug/L	97
27) 1,2-Dichloroethane	5.043	62	370299	19.971	ug/L #	96
29) 1,1,1-Trichloroethane	4.516	97	552110	17.750	ug/L	99
30) Cyclohexane	4.587	56	506873	21.289	ug/L	100
31) Carbon tetrachloride	4.738	117	492387	18.358	ug/L	100
33) Benzene	5.014	78	1191281	19.151	ug/L	100
34) Trichloroethene	5.834	95	281719	16.858	ug/L	98
35) Methylcyclohexane	6.053	83	446291	19.319	ug/L	95
37) 1,2-Dichloropropane	6.095	63	314946	17.283	ug/L	100
38) Bromodichloromethane	6.436	83	384092	16.817	ug/L	100
39) cis-1,3-Dichloropropene	6.956	75	398139	18.435	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	1761349	197.337	ug/L	98
42) Toluene	7.320	91	1150818	18.830	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	379722	20.270	ug/L	95

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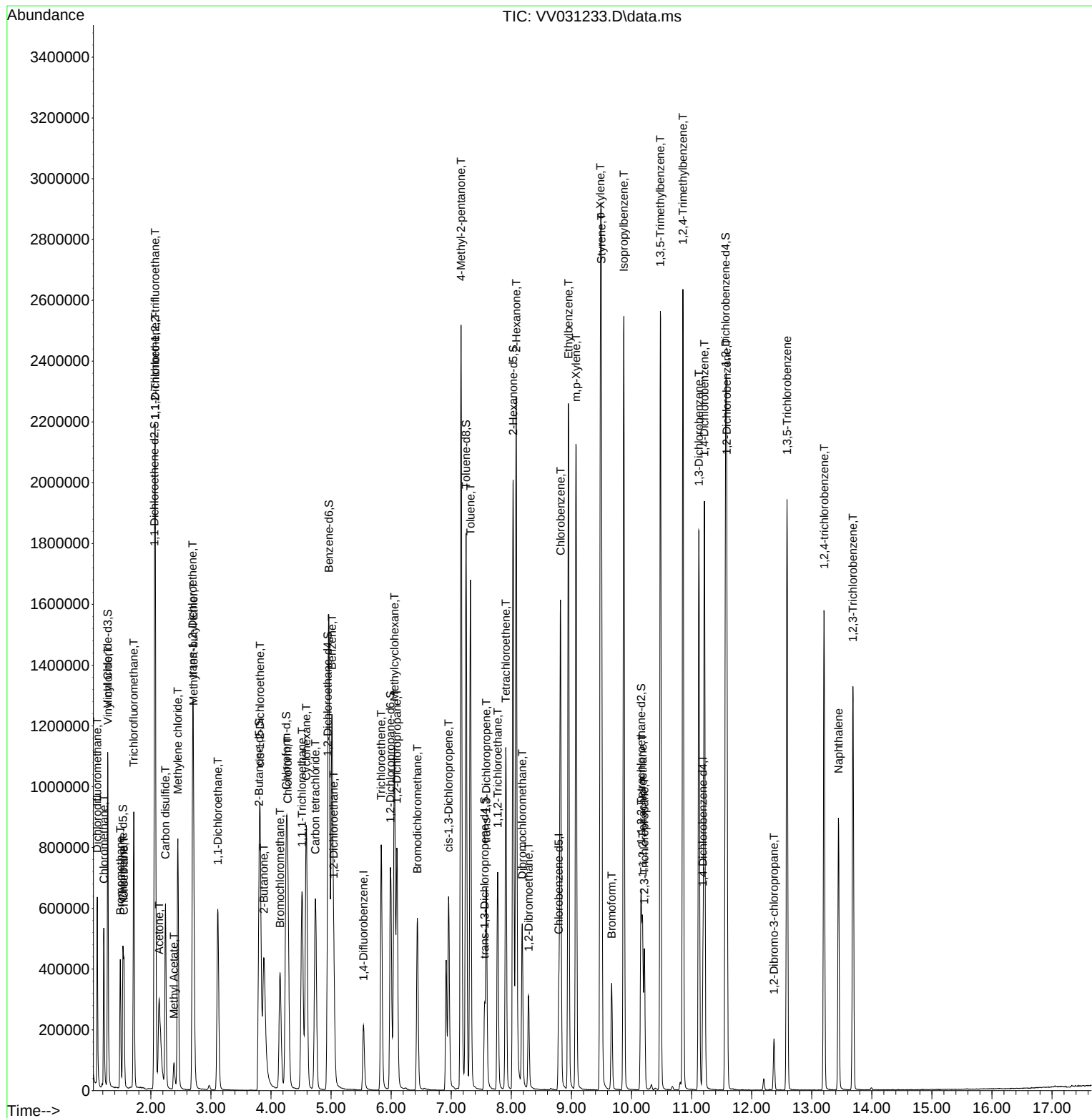
Instrument :
 MSVOA_V
 ClientSampleId :

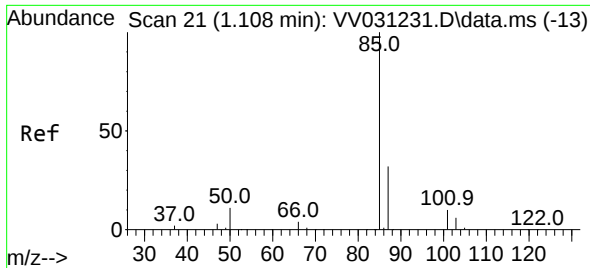
Quant Time: May 26 06:34:13 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	213225	19.350	ug/L	97
47) Tetrachloroethene	7.908	164	238483	19.689	ug/L	98
48) 2-Hexanone	8.082	43	1477142	224.466	ug/L	97
49) Dibromochloromethane	8.181	129	269655	20.366	ug/L	97
50) 1,2-Dibromoethane	8.288	107	199174	19.577	ug/L	95
51) Chlorobenzene	8.818	112	797453	19.836	ug/L	100
52) Ethylbenzene	8.950	91	1479854	21.962	ug/L	100
53) m,p-Xylene	9.079	106	540634	21.712	ug/L	96
54) o-Xylene	9.484	106	521371	21.993	ug/L	99
55) Styrene	9.500	104	924683	22.121	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	260213	18.706	ug/L	97
59) Bromoform	9.670	173	150124	18.782	ug/L	100
60) Isopropylbenzene	9.873	105	1519873	21.115	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	188094	17.432	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	1308350	22.419	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	1354396	22.665	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	683968	20.070	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	689603	19.777	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	626545	19.182	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	44048	19.370	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	554353	20.031	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	443053	20.028	ug/L	99
71) Naphthalene	13.445	128	621596	18.985	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	376239	19.775	ug/L	98

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

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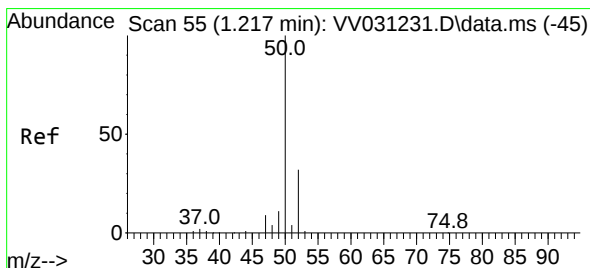
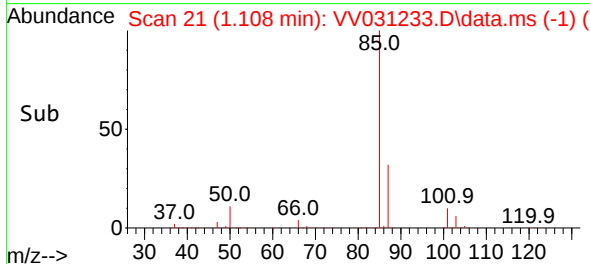
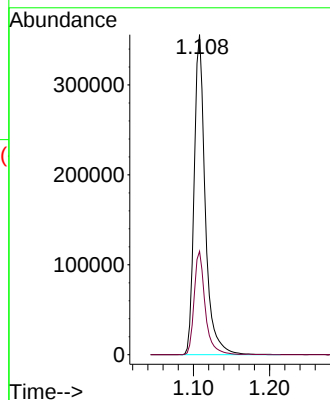
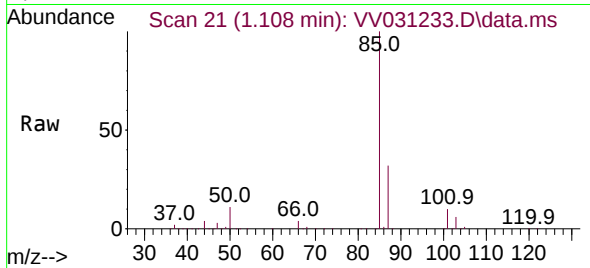




#2
 Dichlorodifluoromethane
 Concen: 19.463 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031233.D
 Acq: 25 May 2023 15:07

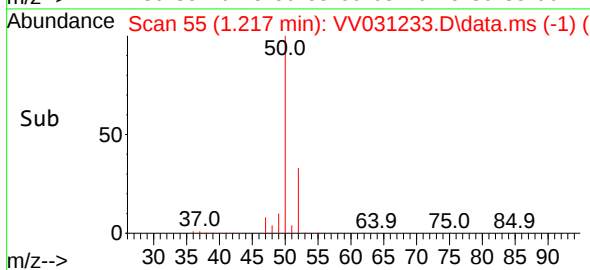
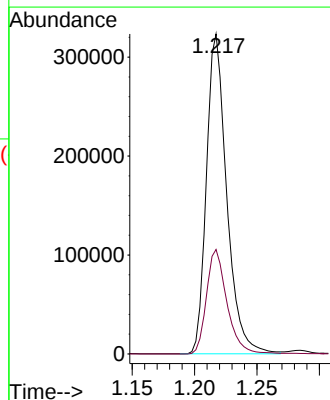
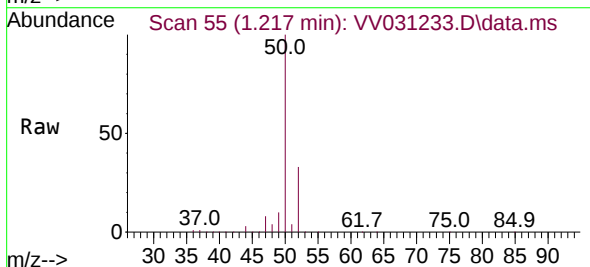
Instrument :
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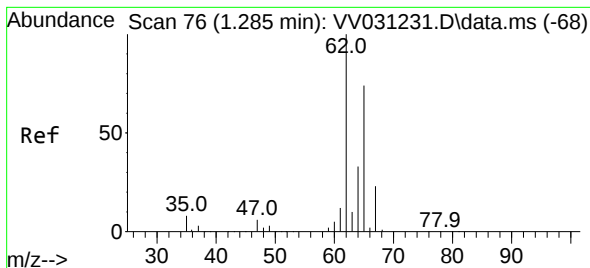
Tgt Ion: 85 Resp: 359337
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.1 39.1



#3
 Chloromethane
 Concen: 17.747 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031233.D
 Acq: 25 May 2023 15:07

Tgt Ion: 50 Resp: 366634
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.7 42.1





#5

Vinyl chloride

Concen: 19.334 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

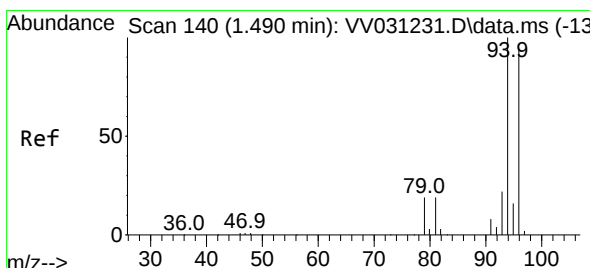
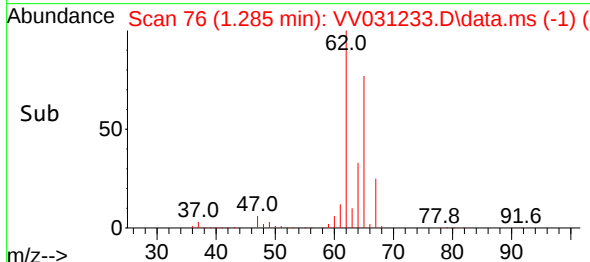
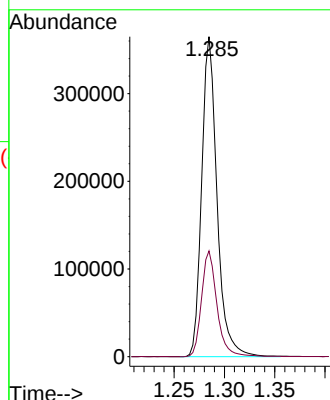
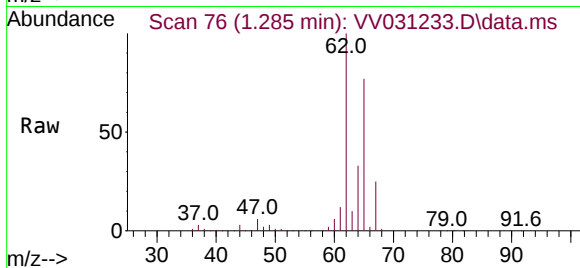
ClientSampleId :

Tgt Ion: 62 Resp: 386269

Ion Ratio Lower Upper

62 100

64 33.0 22.7 42.3



#6

Bromomethane

Concen: 18.361 ug/L

RT: 1.490 min Scan# 140

Delta R.T. 0.000 min

Lab File: VV031233.D

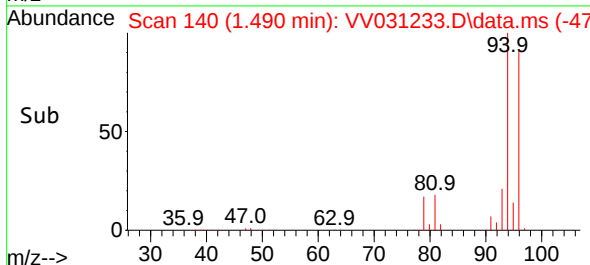
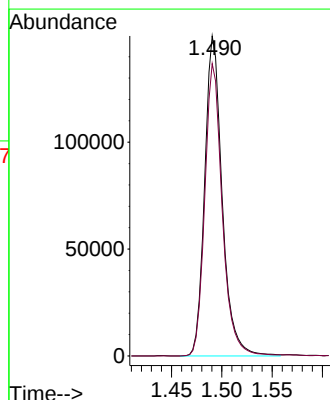
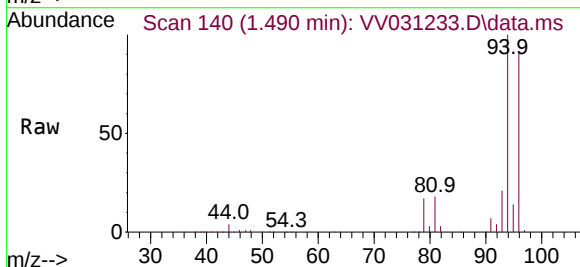
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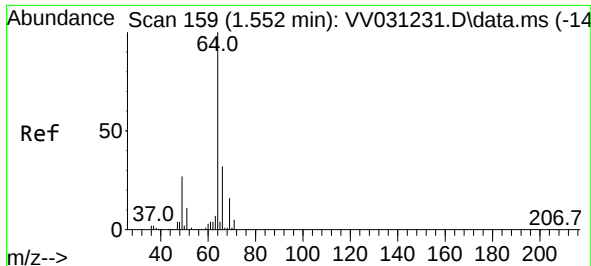
Tgt Ion: 94 Resp: 181131

Ion Ratio Lower Upper

94 100

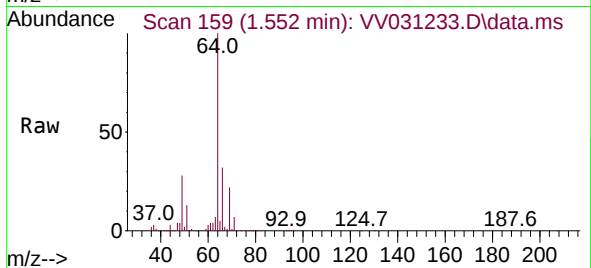
96 91.4 65.8 122.2



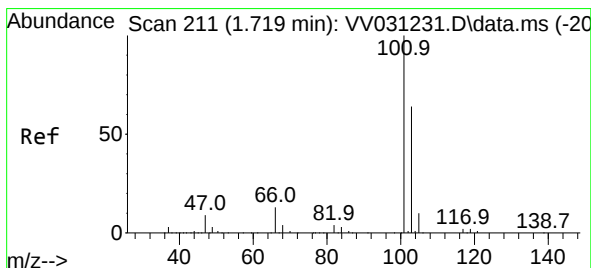
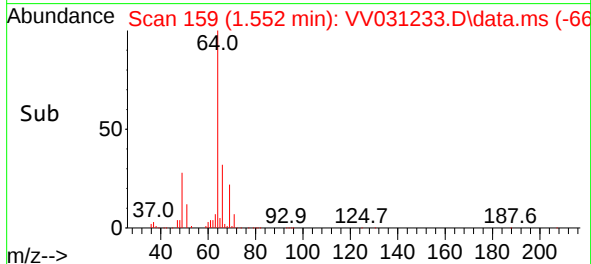
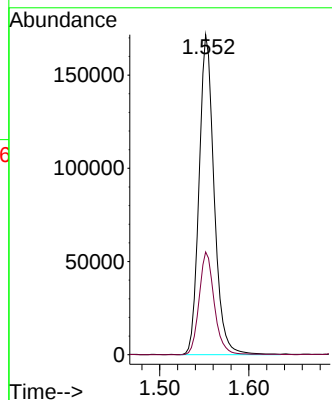


#8
Chloroethane
Concen: 19.177 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

Instrument :
MSVOA_V
ClientSampleId :

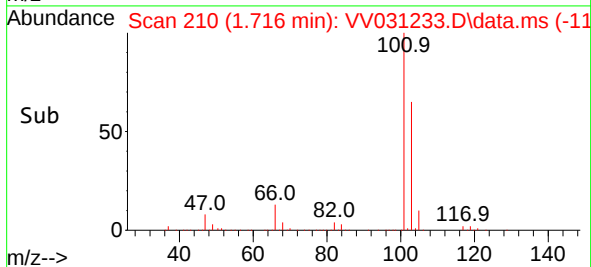
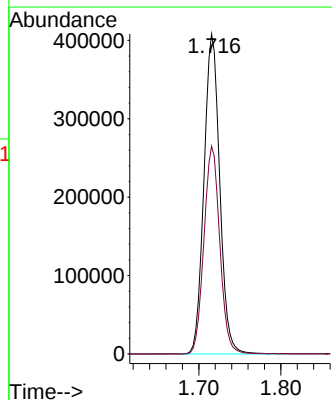
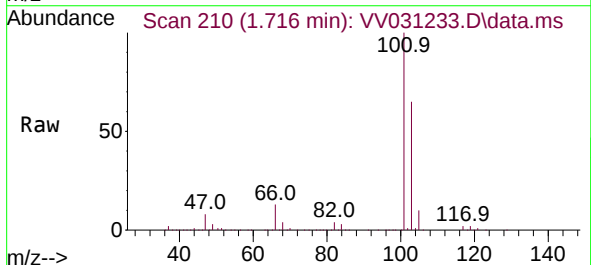


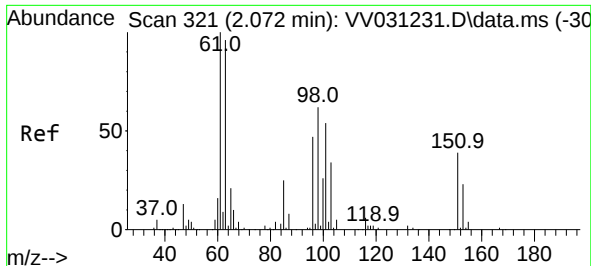
Tgt Ion: 64 Resp: 201938
Ion Ratio Lower Upper
64 100
66 32.1 22.7 42.1



#9
Trichlorofluoromethane
Concen: 19.827 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.003 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

Tgt Ion: 101 Resp: 544646
Ion Ratio Lower Upper
101 100
103 65.1 52.1 78.1

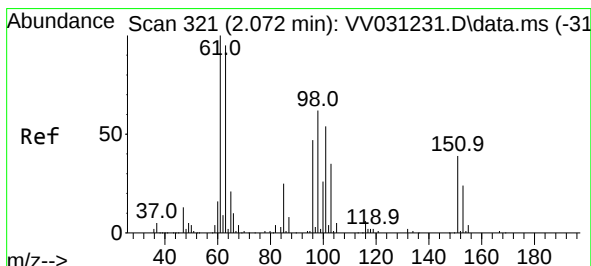
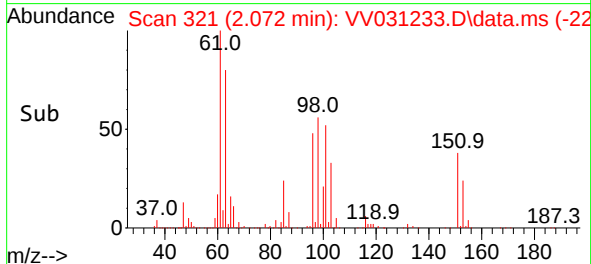
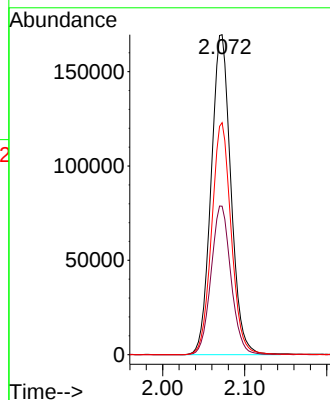
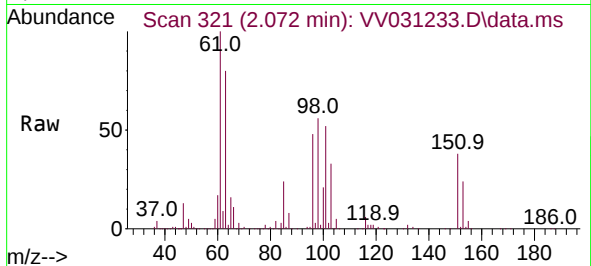




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 19.526 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031233.D
 Acq: 25 May 2023 15:07

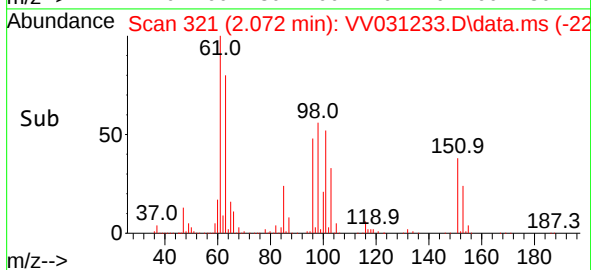
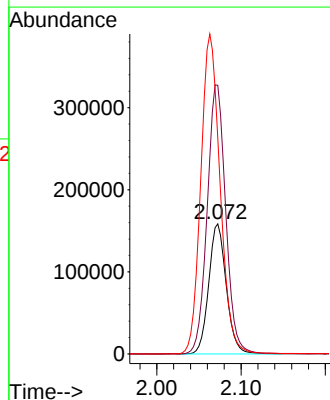
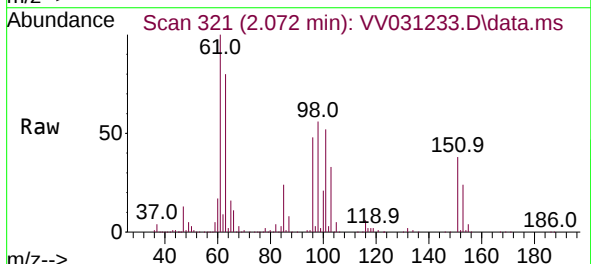
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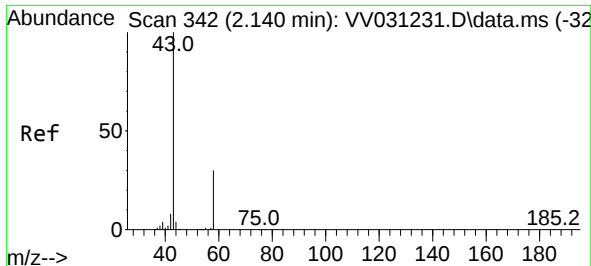
Tgt Ion:101 Resp: 283878
 Ion Ratio Lower Upper
 101 100
 85 46.7 37.6 56.4
 151 71.9 56.6 85.0



#12
 1,1-Dichloroethene
 Concen: 19.682 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031233.D
 Acq: 25 May 2023 15:07

Tgt Ion: 96 Resp: 228575
 Ion Ratio Lower Upper
 96 100
 61 206.5 150.0 278.6
 63 165.6 143.5 266.5





#13

Acetone

Concen: 185.769 ug/L

RT: 2.140 min Scan# 34

Delta R.T. 0.000 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

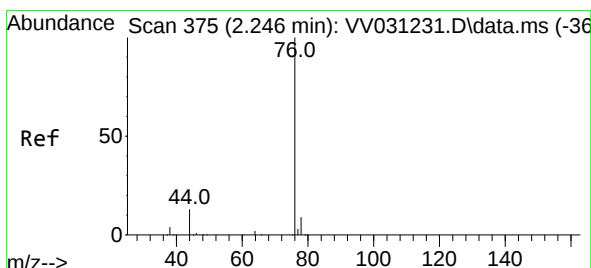
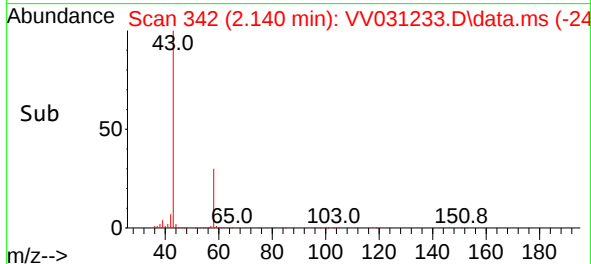
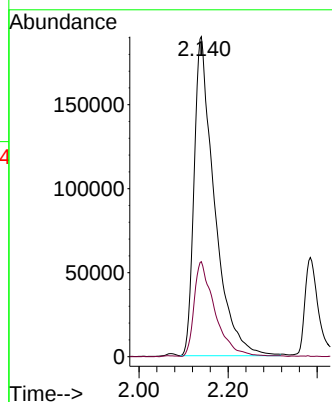
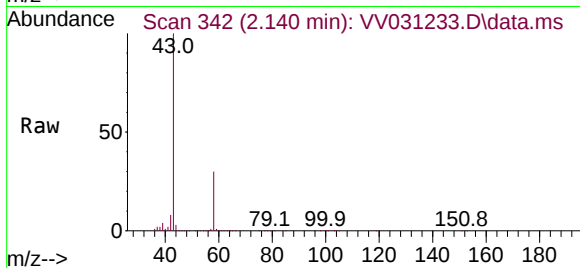
ClientSampleId :

Tgt Ion: 43 Resp: 602819

Ion Ratio Lower Upper

43 100

58 30.2 0.0 62.2



#14

Carbon disulfide

Concen: 19.666 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV031233.D

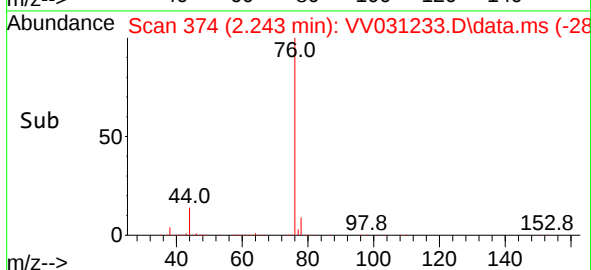
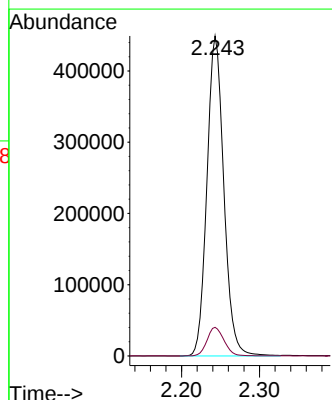
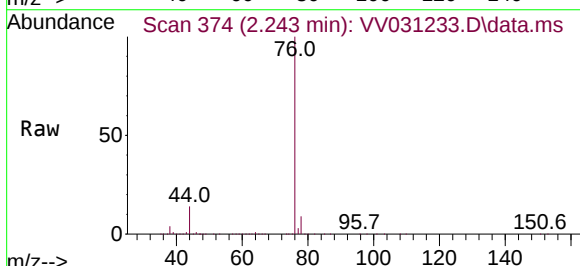
Acq: 25 May 2023 15:07

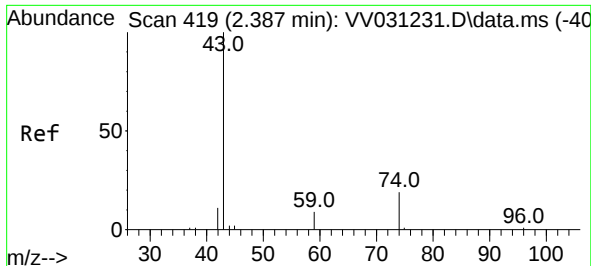
Tgt Ion: 76 Resp: 676447

Ion Ratio Lower Upper

76 100

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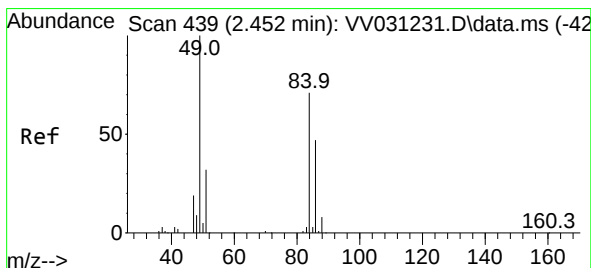
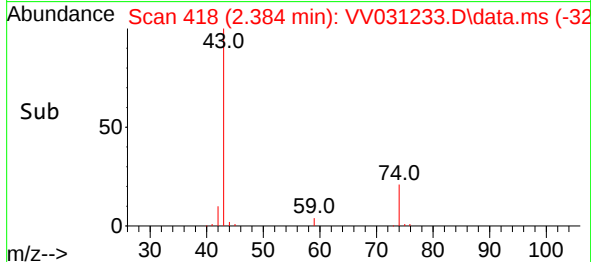
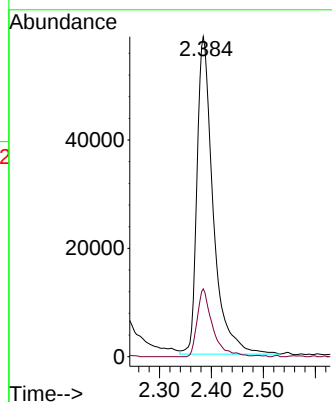
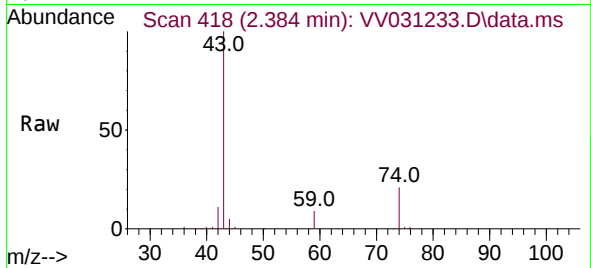




#15
Methyl Acetate
Concen: 19.784 ug/L
RT: 2.384 min Scan# 419
Delta R.T. -0.003 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

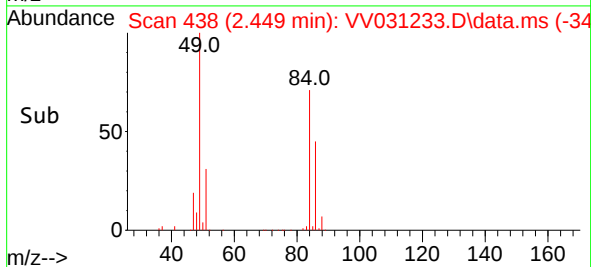
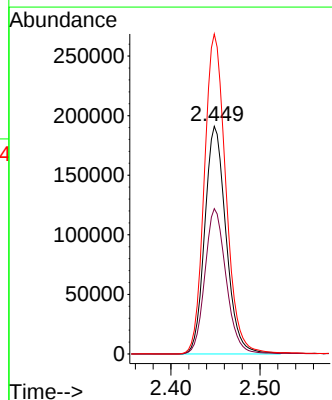
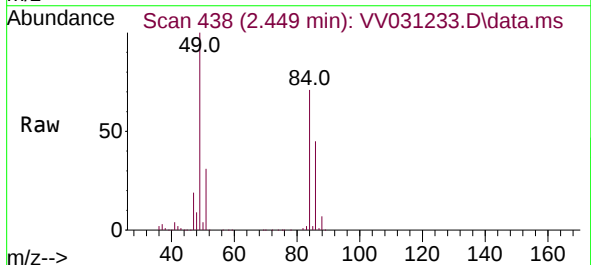
Instrument :
MSVOA_V
ClientSampleId :

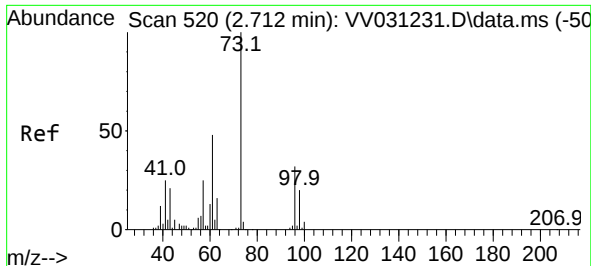
Tgt Ion: 43 Resp: 126763
Ion Ratio Lower Upper
43 100
74 20.2 15.5 23.3



#16
Methylene chloride
Concen: 15.807 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.003 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

Tgt Ion: 84 Resp: 316868
Ion Ratio Lower Upper
84 100
86 63.8 46.8 86.8
49 140.6 98.8 183.4





#17

Methyl tert-butyl Ether

Concen: 21.438 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.003 min

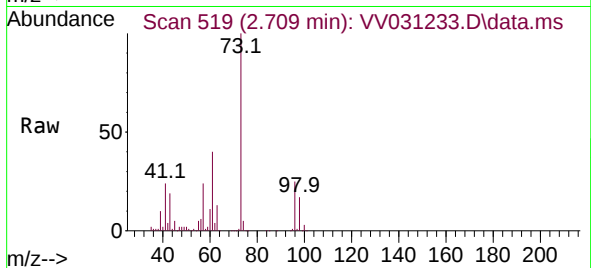
Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

ClientSampleId :



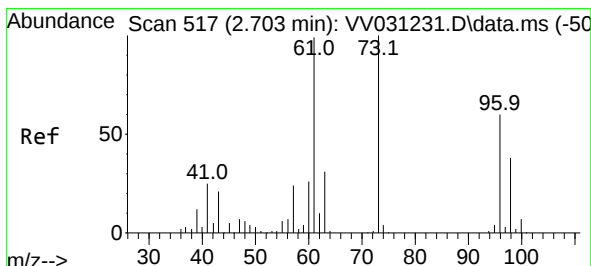
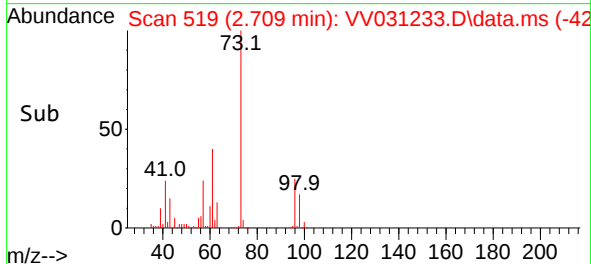
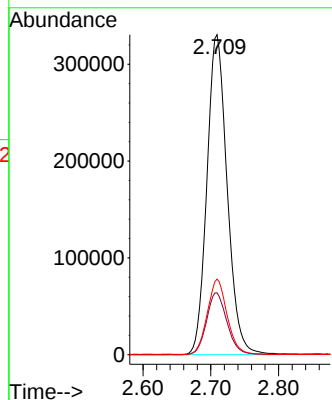
Tgt Ion: 73 Resp: 686666

Ion Ratio Lower Upper

73 100

43 19.3 17.0 25.6

57 23.3 19.5 29.3



#18

trans-1,2-Dichloroethene

Concen: 20.096 ug/L

RT: 2.696 min Scan# 515

Delta R.T. -0.006 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

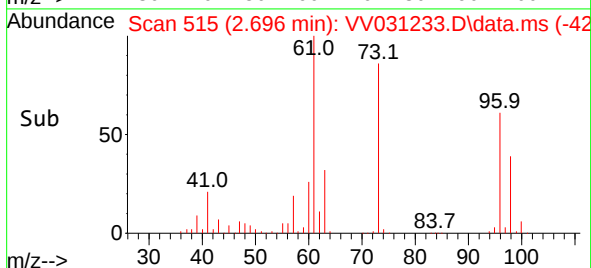
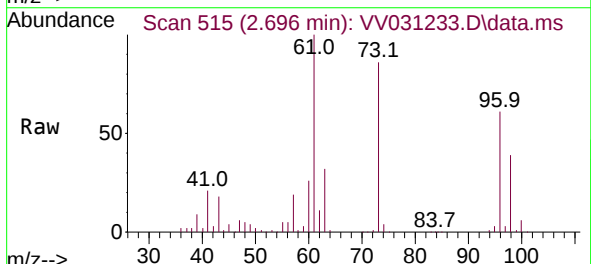
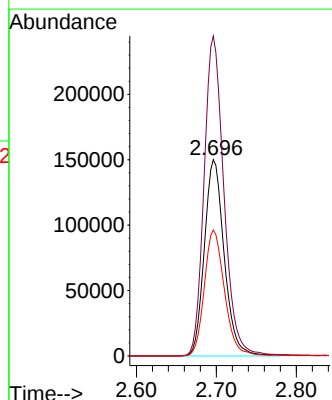
Tgt Ion: 96 Resp: 260234

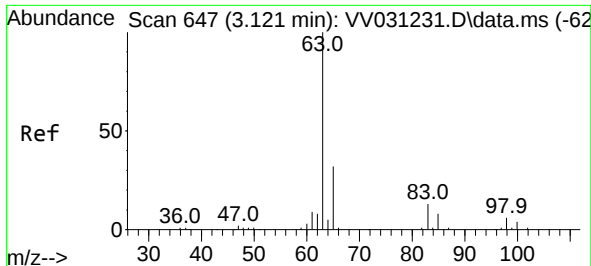
Ion Ratio Lower Upper

96 100

61 163.0 115.0 213.6

98 64.2 44.4 82.5





#19

1,1-Dichloroethane

Concen: 19.289 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.006 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

ClientSampleId :

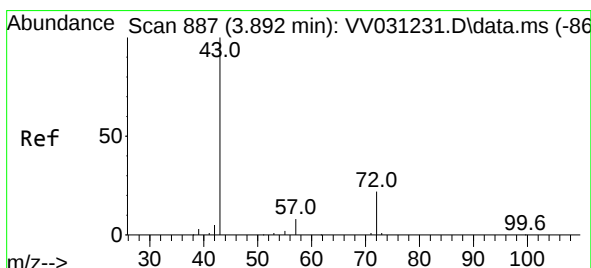
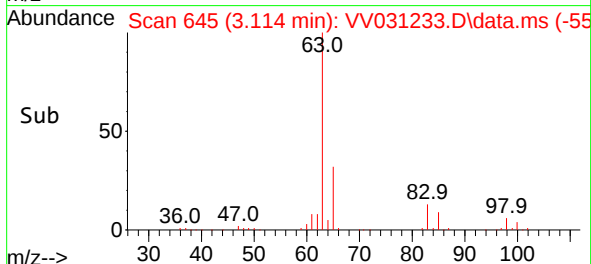
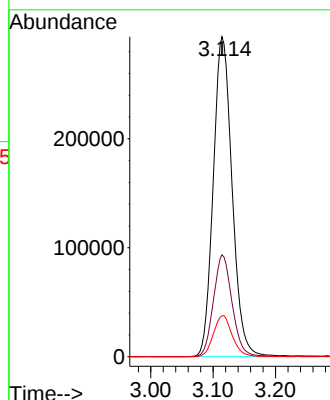
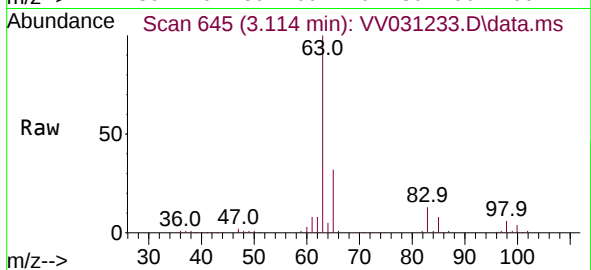
Tgt Ion: 63 Resp: 616195

Ion Ratio Lower Upper

63 100

65 31.8 22.4 41.6

83 12.8 9.0 16.6



#21

2-Butanone

Concen: 216.317 ug/L

RT: 3.883 min Scan# 884

Delta R.T. -0.010 min

Lab File: VV031233.D

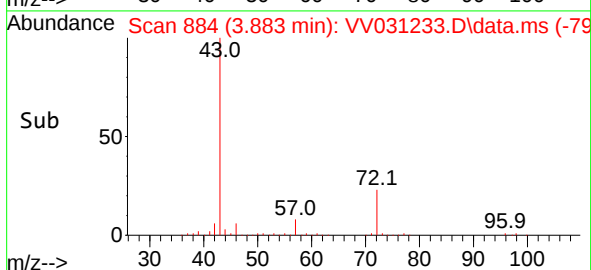
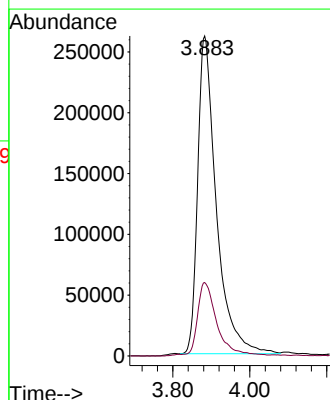
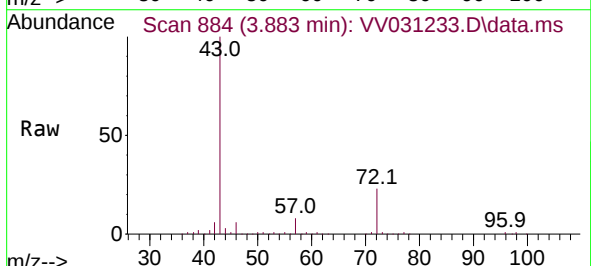
Acq: 25 May 2023 15:07

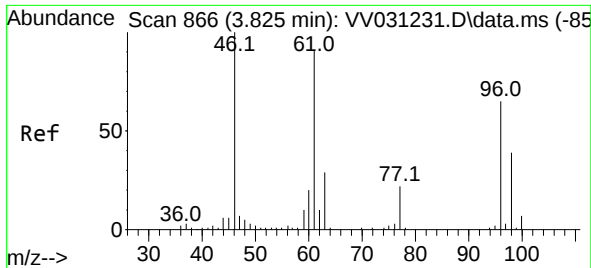
Tgt Ion: 43 Resp: 879780

Ion Ratio Lower Upper

43 100

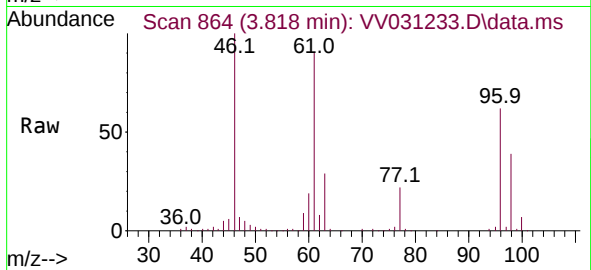
72 23.4 10.3 30.9



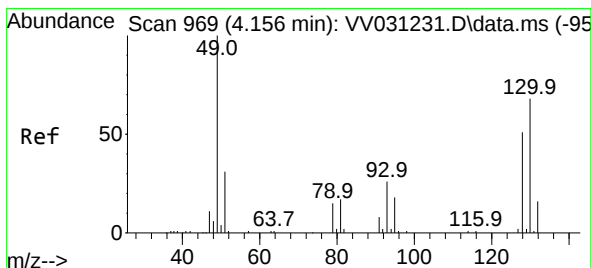
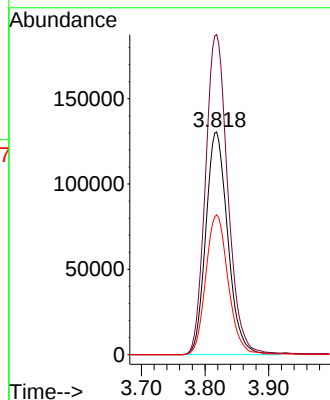
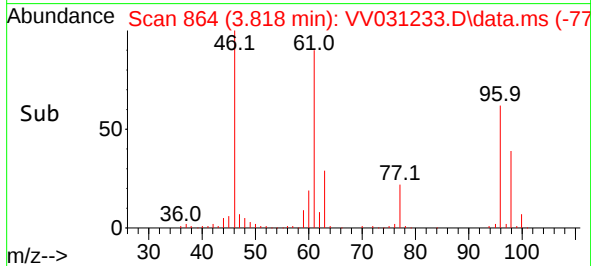


#22
 cis-1,2-Dichloroethene
 Concen: 21.107 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. -0.006 min
 Lab File: VV031233.D
 Acq: 25 May 2023 15:07

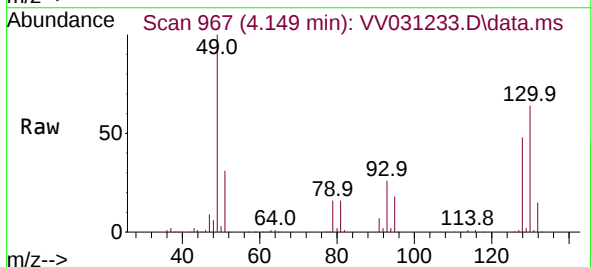
Instrument :
 MSVOA_V
 ClientSampleId :



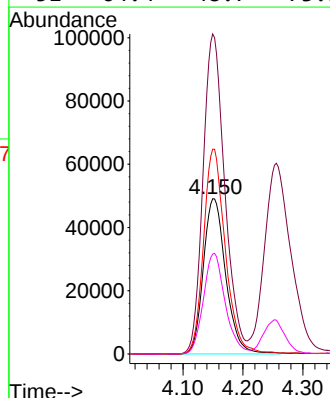
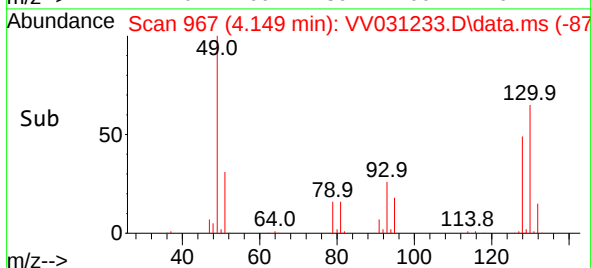
Tgt Ion: 96 Resp: 314036
 Ion Ratio Lower Upper
 96 100
 61 143.7 98.2 182.4
 98 62.8 42.8 79.6

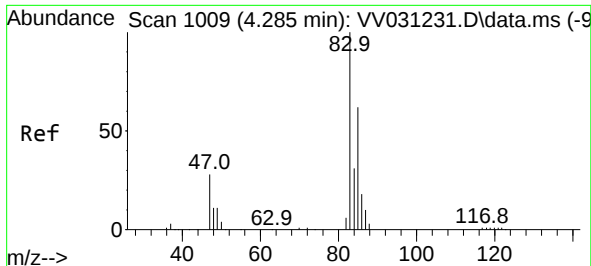


#23
 Bromochloromethane
 Concen: 19.218 ug/L
 RT: 4.149 min Scan# 967
 Delta R.T. -0.006 min
 Lab File: VV031233.D
 Acq: 25 May 2023 15:07



Tgt Ion: 128 Resp: 127390
 Ion Ratio Lower Upper
 128 100
 49 206.2 136.2 253.0
 130 132.0 92.0 170.9
 51 64.4 48.7 73.1

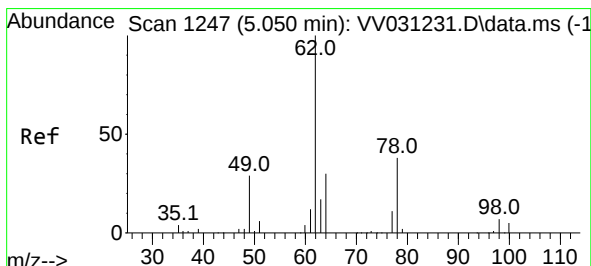
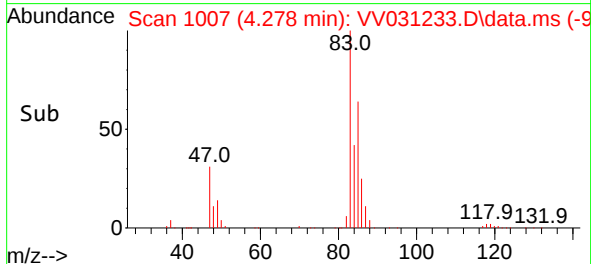
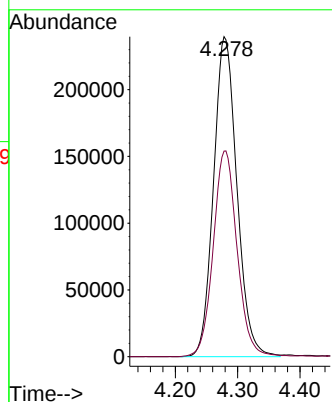
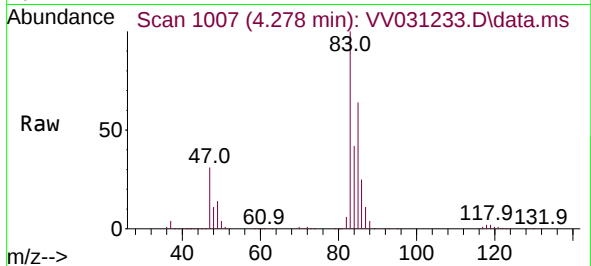




#25
Chloroform
Concen: 19.087 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. -0.006 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

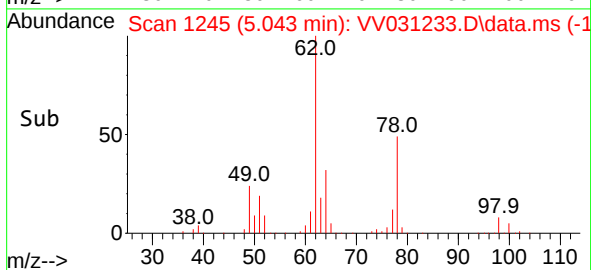
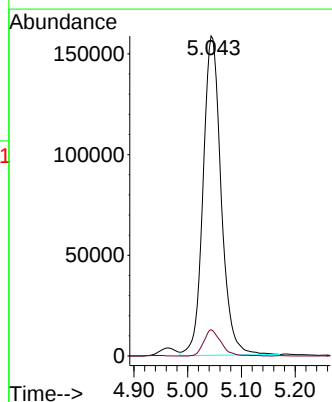
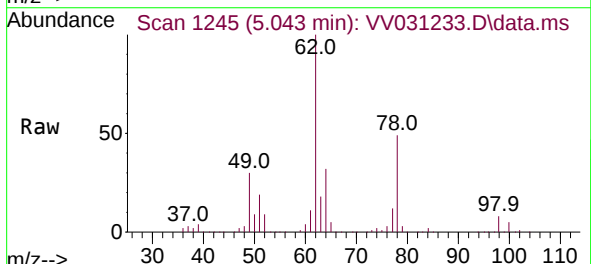
Instrument :
MSVOA_V
ClientSampleId :

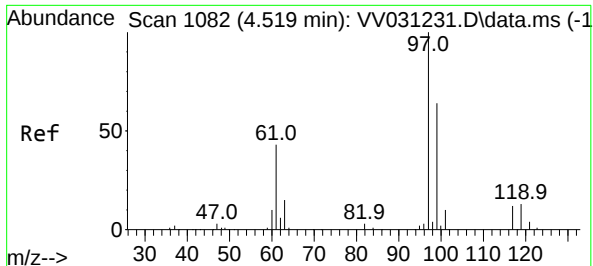
Tgt Ion: 83 Resp: 623489
Ion Ratio Lower Upper
83 100
85 64.2 43.4 80.6



#27
1,2-Dichloroethane
Concen: 19.971 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. -0.006 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

Tgt Ion: 62 Resp: 370299
Ion Ratio Lower Upper
62 100
98 8.2 5.4 8.2#





#29

1,1,1-Trichloroethane

Concen: 17.750 ug/L

RT: 4.516 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

ClientSampleId :

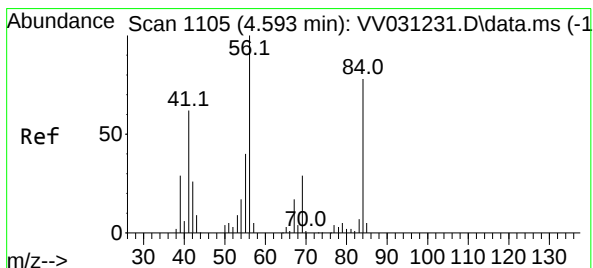
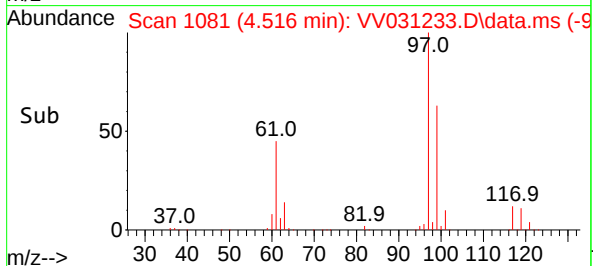
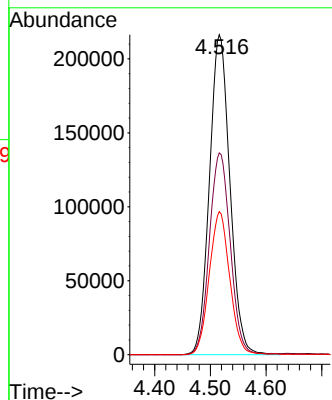
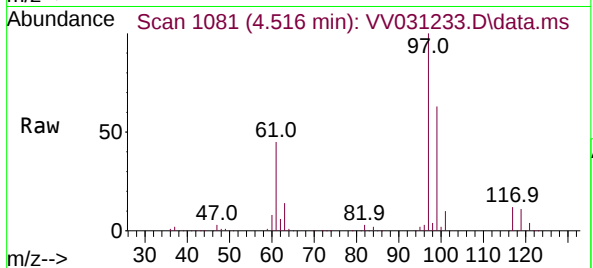
Tgt Ion: 97 Resp: 552110

Ion Ratio Lower Upper

97 100

99 64.3 50.6 75.8

61 44.8 35.5 53.3



#30

Cyclohexane

Concen: 21.289 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

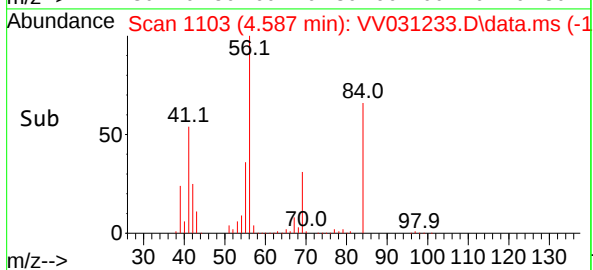
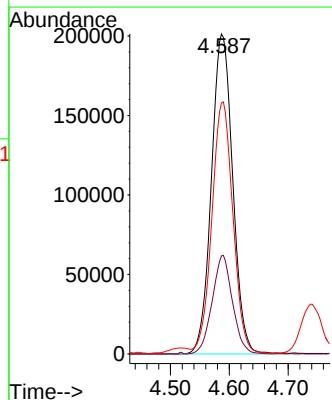
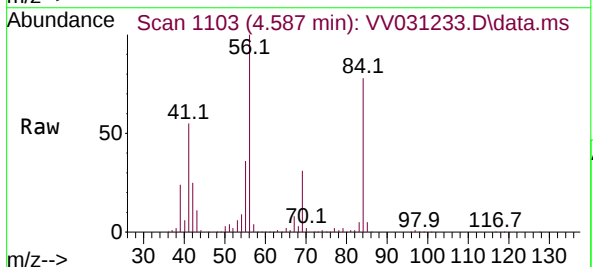
Tgt Ion: 56 Resp: 506873

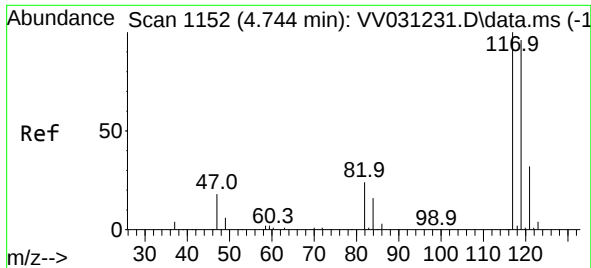
Ion Ratio Lower Upper

56 100

69 29.4 24.0 36.0

84 78.0 62.5 93.7

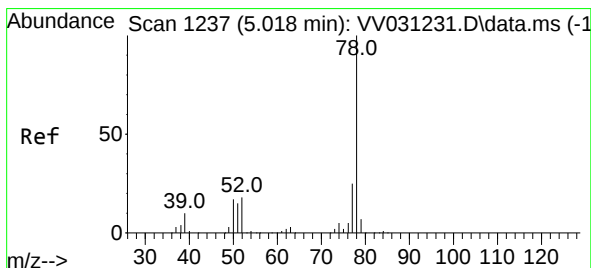
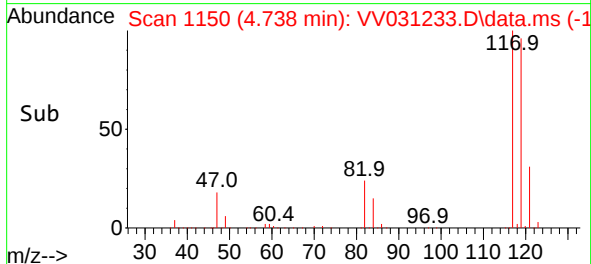
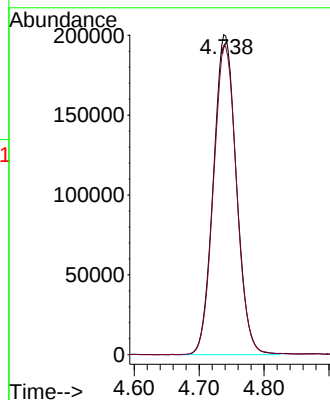
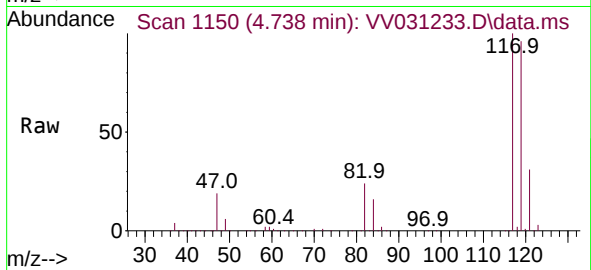




#31
Carbon tetrachloride
Concen: 18.358 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.006 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

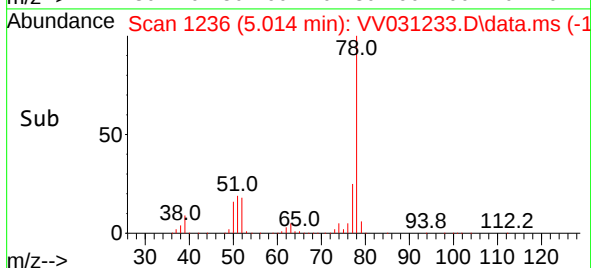
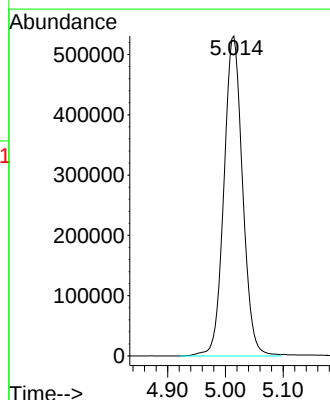
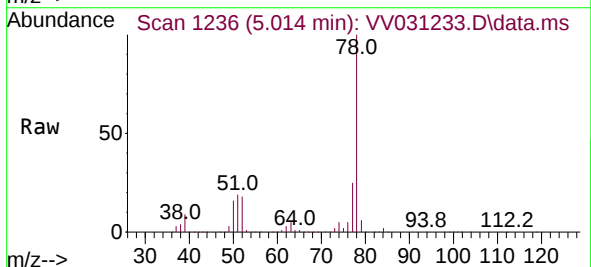
Instrument :
MSVOA_V
ClientSampleId :

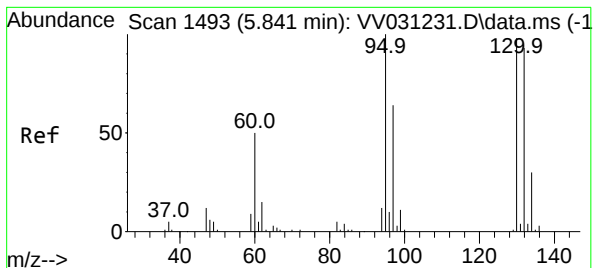
Tgt Ion:117 Resp: 492387
Ion Ratio Lower Upper
117 100
119 97.0 77.5 116.3



#33
Benzene
Concen: 19.151 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

Tgt Ion: 78 Resp: 1191281





#34

Trichloroethene

Concen: 16.858 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.006 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 281719

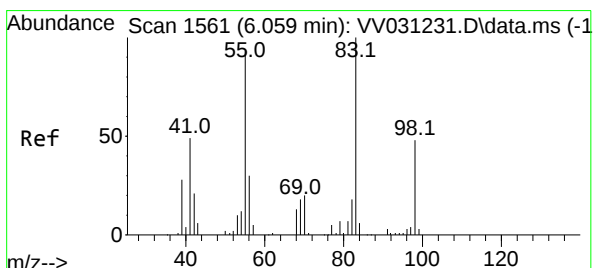
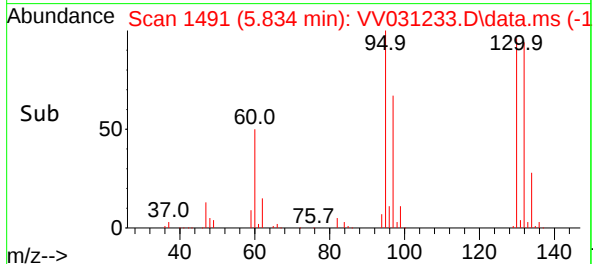
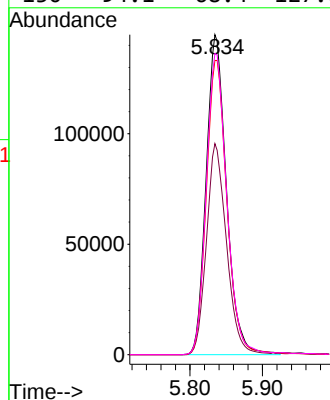
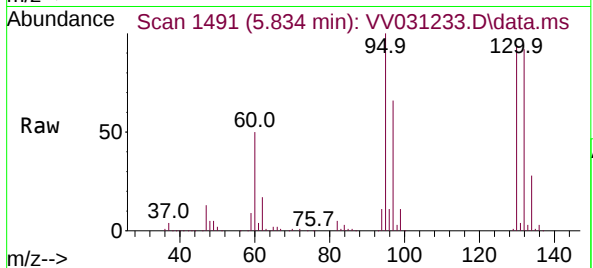
Ion Ratio Lower Upper

95 100

97 65.9 44.8 83.2

132 92.0 64.8 120.4

130 94.1 68.4 127.0



#35

Methylcyclohexane

Concen: 19.319 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. -0.006 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

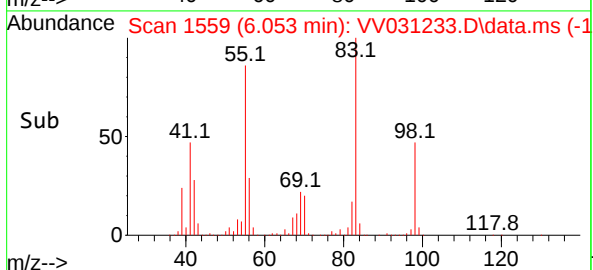
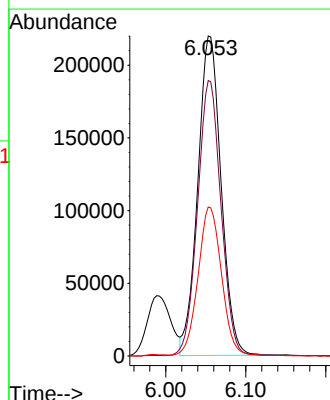
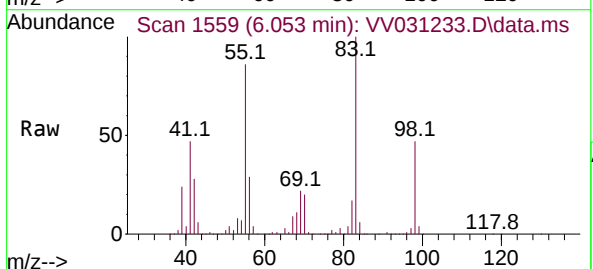
Tgt Ion: 83 Resp: 446291

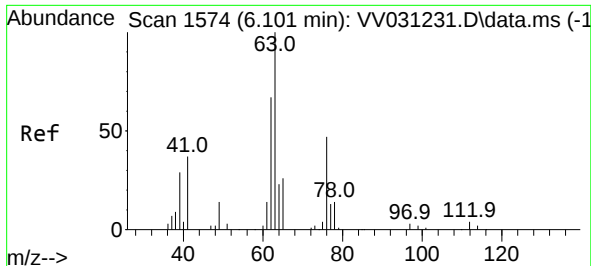
Ion Ratio Lower Upper

83 100

55 86.5 74.4 111.6

98 46.5 38.2 57.2





#37

1,2-Dichloropropane

Concen: 17.283 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.006 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

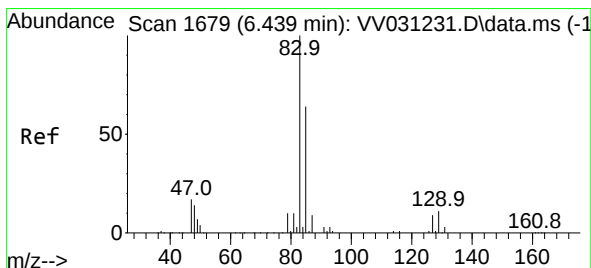
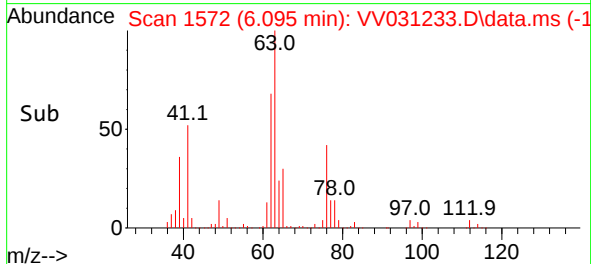
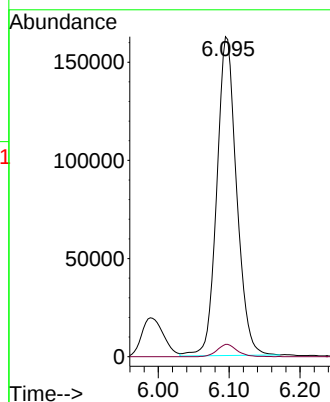
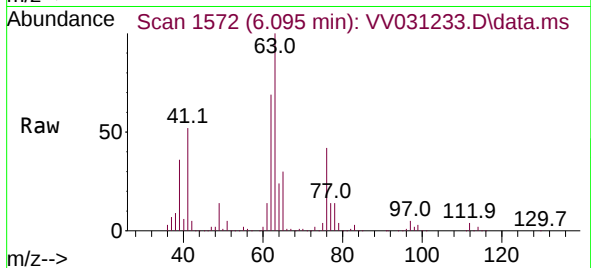
ClientSampleId :

Tgt Ion: 63 Resp: 314946

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



#38

Bromodichloromethane

Concen: 16.817 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.003 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

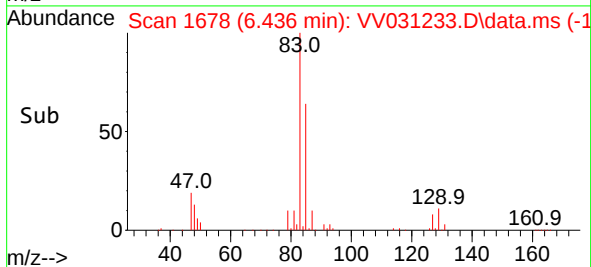
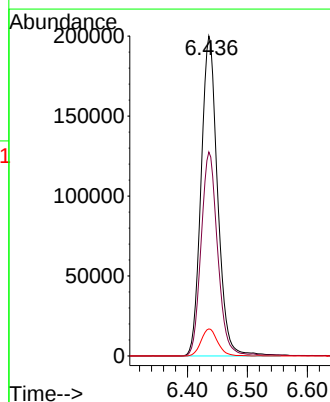
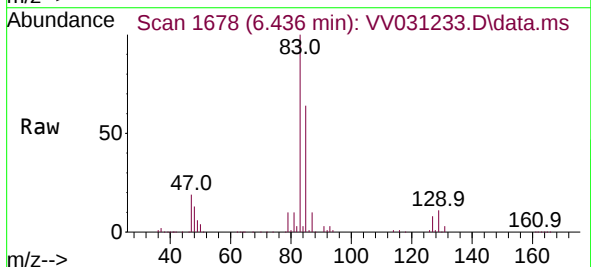
Tgt Ion: 83 Resp: 384092

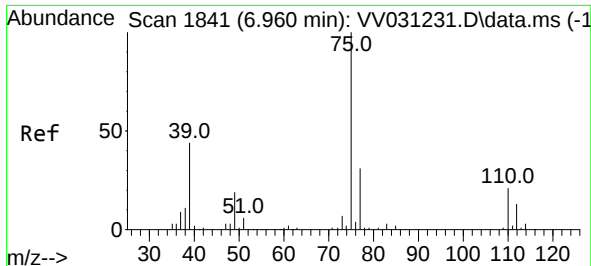
Ion Ratio Lower Upper

83 100

85 63.7 44.7 82.9

127 8.5 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 18.435 ug/L

RT: 6.956 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

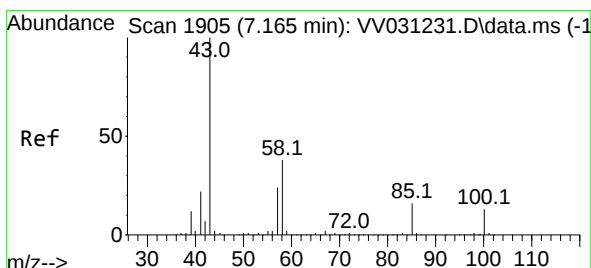
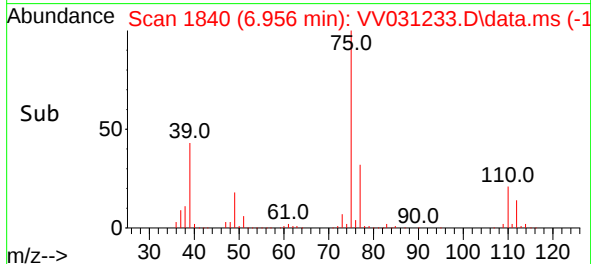
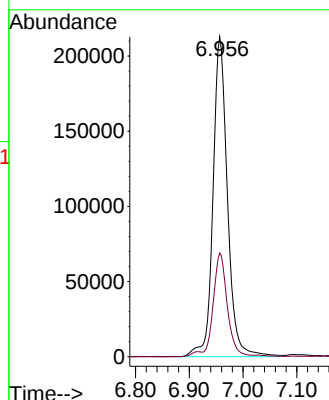
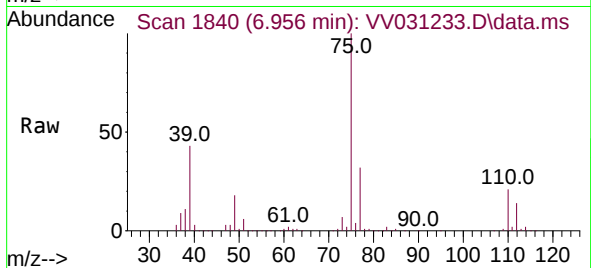
ClientSampleId :

Tgt Ion: 75 Resp: 398139

Ion Ratio Lower Upper

75 100

77 32.4 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 197.337 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.003 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

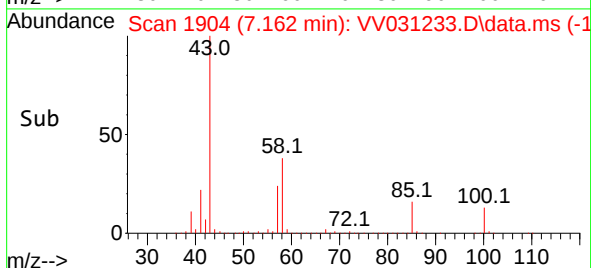
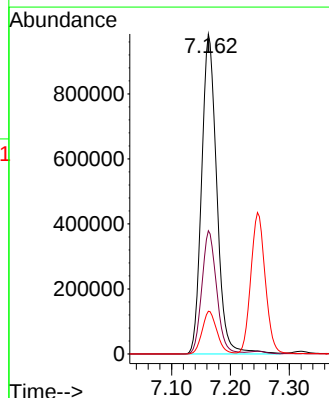
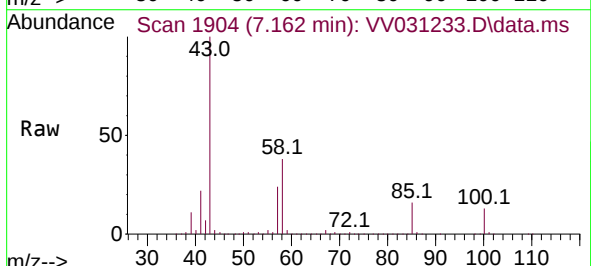
Tgt Ion: 43 Resp: 1761349

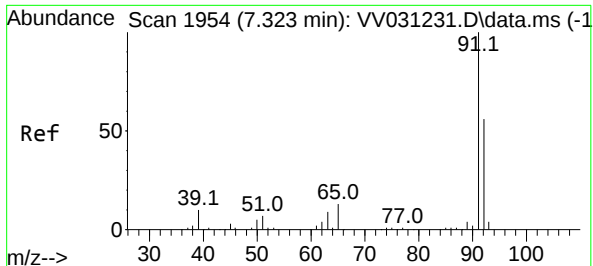
Ion Ratio Lower Upper

43 100

58 37.6 29.1 43.7

100 13.0 9.9 14.9





#42

Toluene

Concen: 18.830 ug/L

RT: 7.320 min Scan# 1954

Delta R.T. -0.003 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

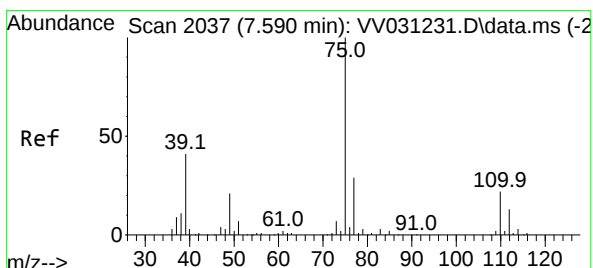
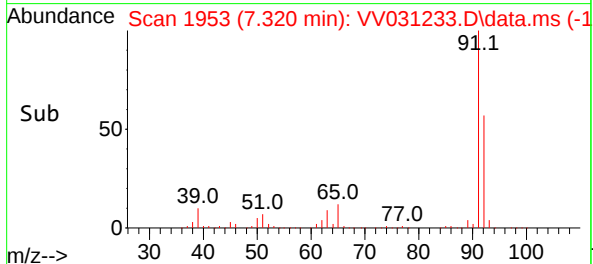
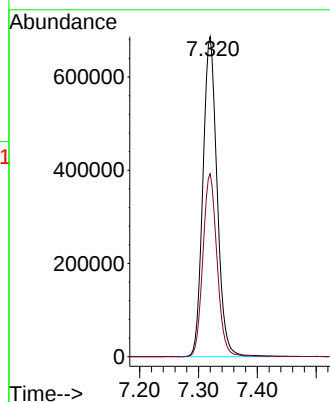
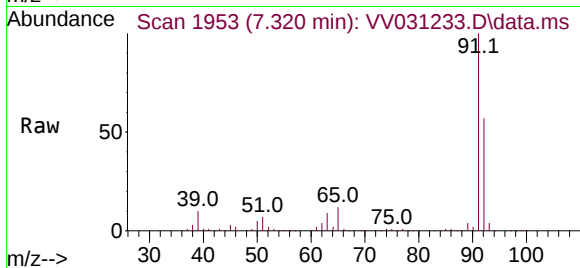
ClientSampleId :

Tgt Ion: 91 Resp: 1150818

Ion Ratio Lower Upper

91 100

92 57.1 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 20.270 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.006 min

Lab File: VV031233.D

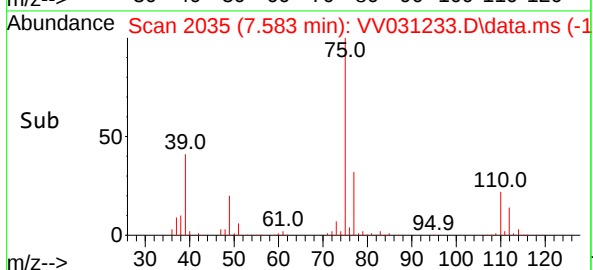
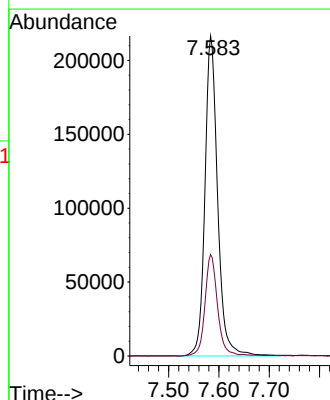
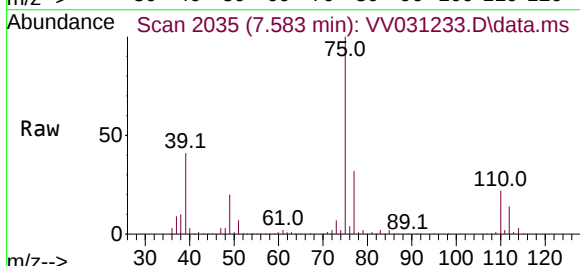
Acq: 25 May 2023 15:07

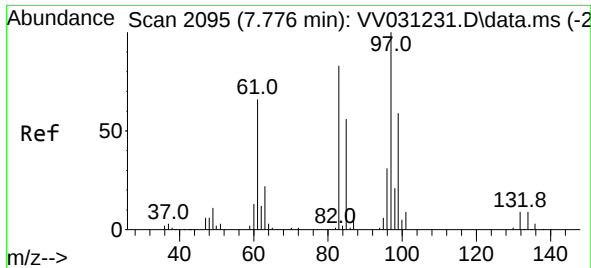
Tgt Ion: 75 Resp: 379722

Ion Ratio Lower Upper

75 100

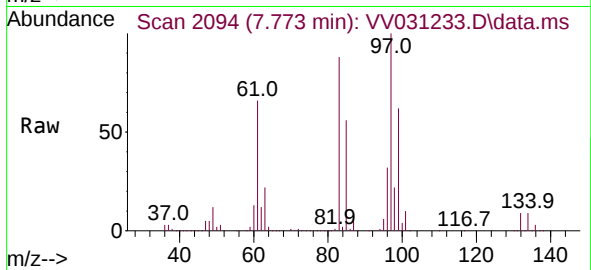
77 31.7 20.4 38.0



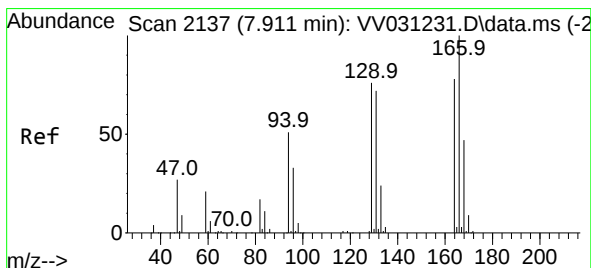
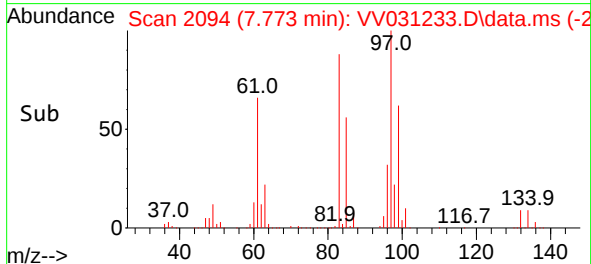
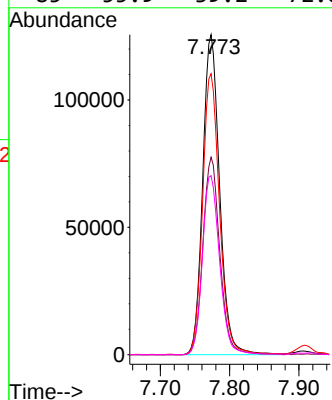


#45
 1,1,2-Trichloroethane
 Concen: 19.350 ug/L
 RT: 7.773 min Scan# 2094
 Delta R.T. -0.003 min
 Lab File: VV031233.D
 Acq: 25 May 2023 15:07

Instrument :
 MSVOA_V
 ClientSampleId :

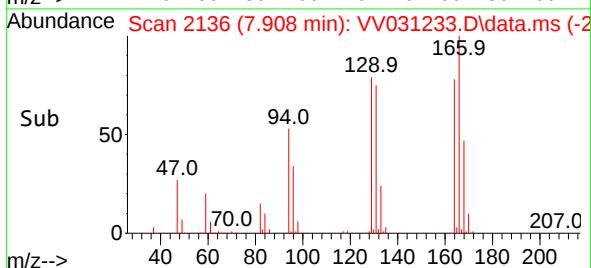
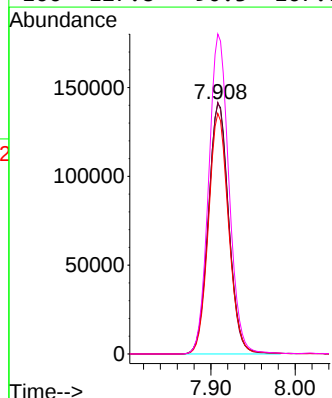
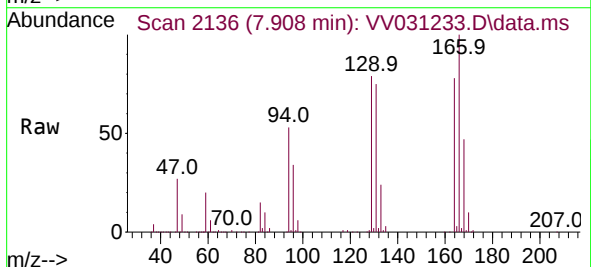


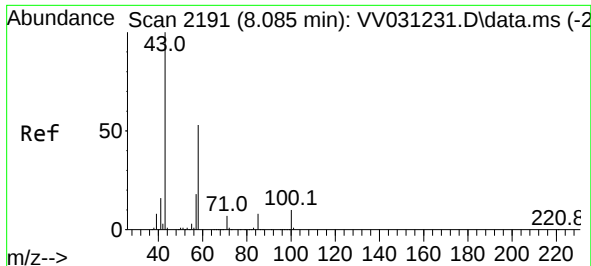
Tgt Ion:	97	Resp:	213225
Ion	Ratio	Lower	Upper
97	100		
99	61.7	41.2	76.4
83	87.8	58.2	108.0
85	55.9	39.2	72.8



#47
 Tetrachloroethene
 Concen: 19.689 ug/L
 RT: 7.908 min Scan# 2136
 Delta R.T. -0.003 min
 Lab File: VV031233.D
 Acq: 25 May 2023 15:07

Tgt Ion:	164	Resp:	238483
Ion	Ratio	Lower	Upper
164	100		
129	100.5	68.7	127.5
131	96.1	64.7	120.1
166	127.8	90.3	167.7





#48

2-Hexanone

Concen: 224.466 ug/L

RT: 8.082 min Scan# 2191

Delta R.T. -0.003 min

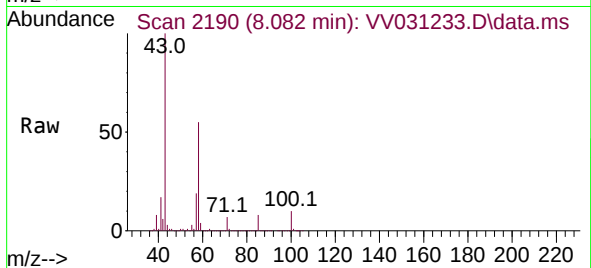
Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 1477142

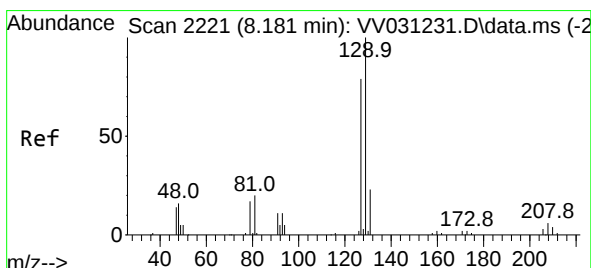
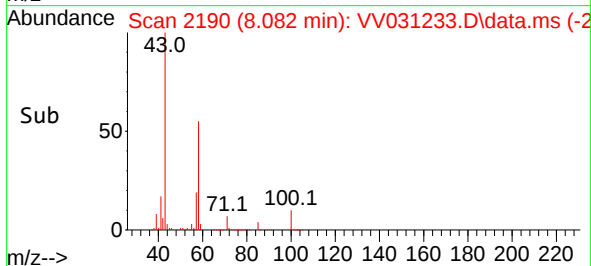
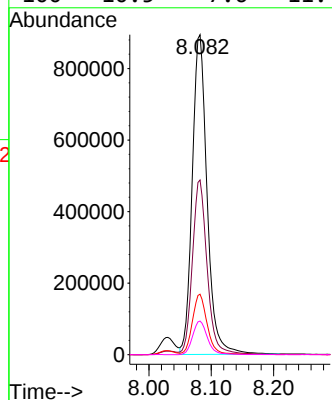
Ion Ratio Lower Upper

43 100

58 54.1 41.4 62.0

57 18.8 14.1 21.1

100 10.5 7.6 11.4



#49

Dibromochloromethane

Concen: 20.366 ug/L

RT: 8.181 min Scan# 2221

Delta R.T. 0.000 min

Lab File: VV031233.D

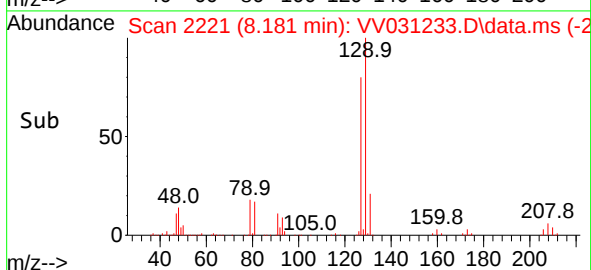
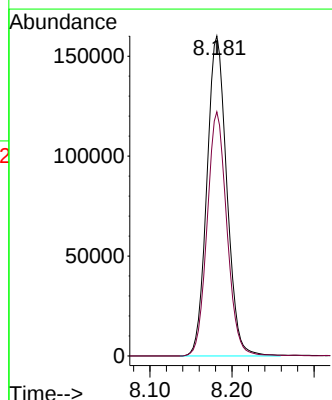
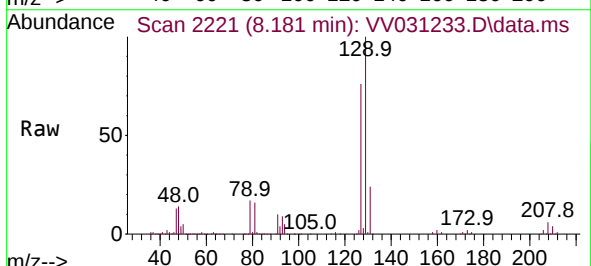
Acq: 25 May 2023 15:07

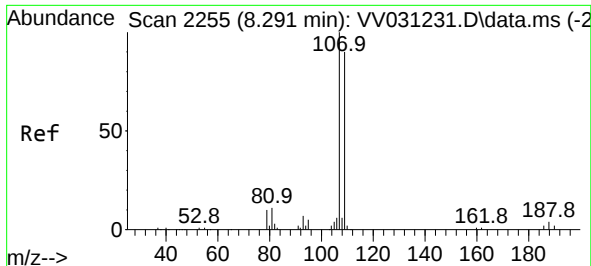
Tgt Ion:129 Resp: 269655

Ion Ratio Lower Upper

129 100

127 76.3 55.0 102.2





#50

1,2-Dibromoethane

Concen: 19.577 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.003 min

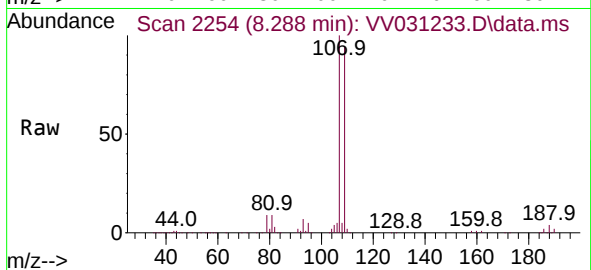
Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

ClientSampleId :



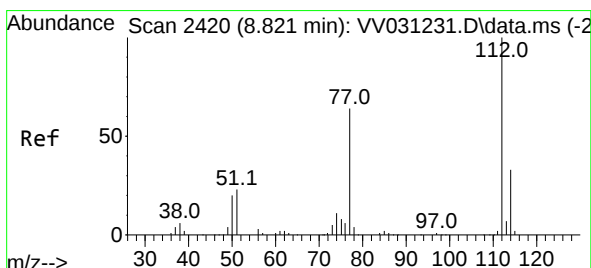
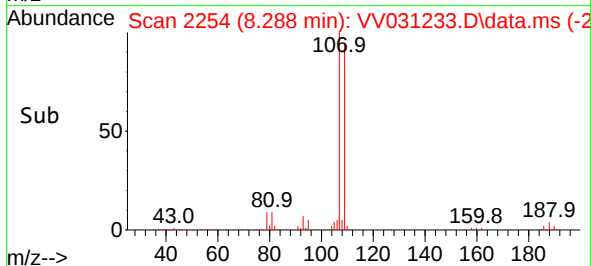
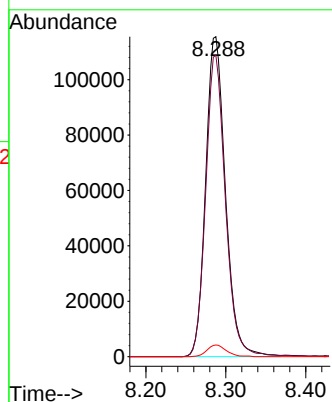
Tgt Ion:107 Resp: 199174

Ion Ratio Lower Upper

107 100

109 94.2 62.8 116.6

188 3.7 3.2 4.8



#51

Chlorobenzene

Concen: 19.836 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.003 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

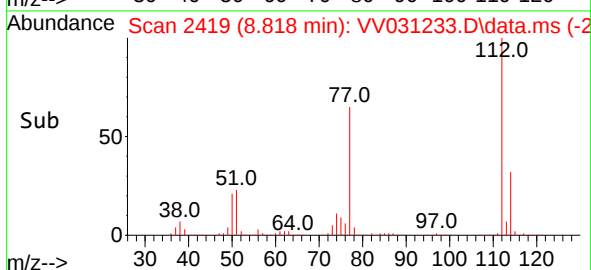
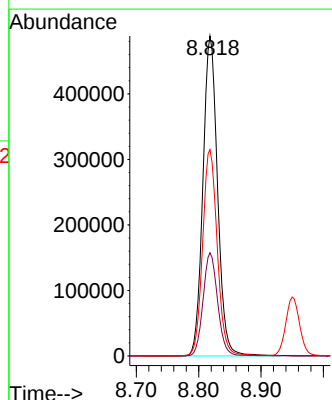
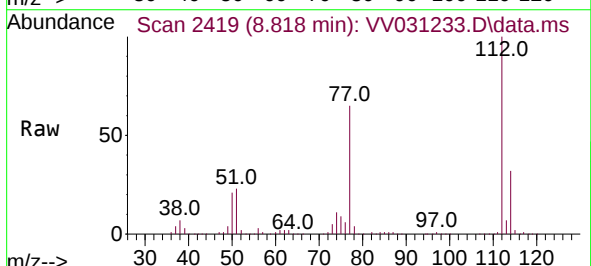
Tgt Ion:112 Resp: 797453

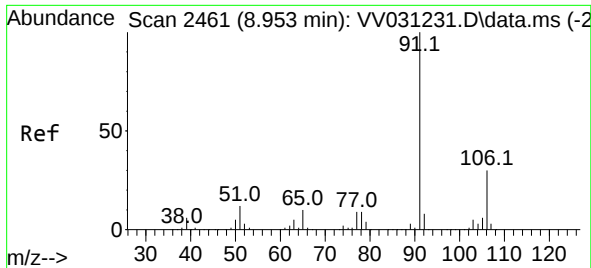
Ion Ratio Lower Upper

112 100

114 32.2 22.8 42.4

77 64.5 51.7 77.5

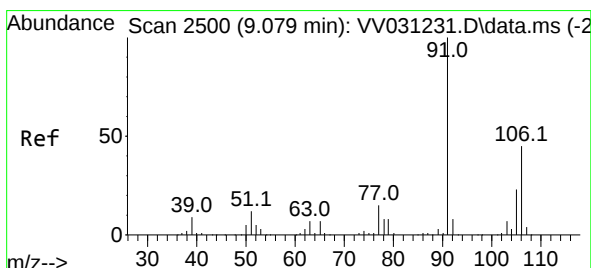
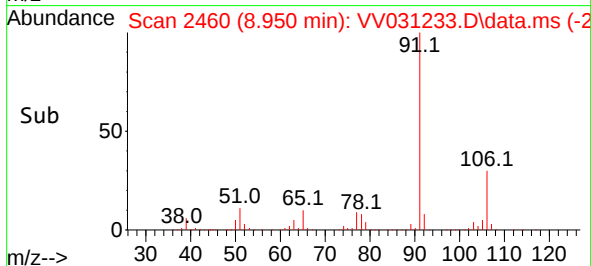
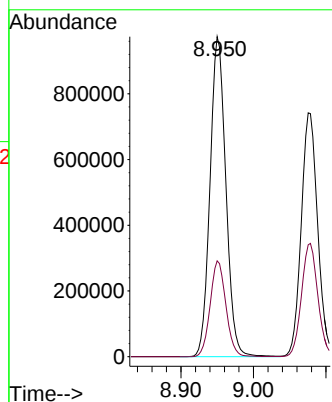
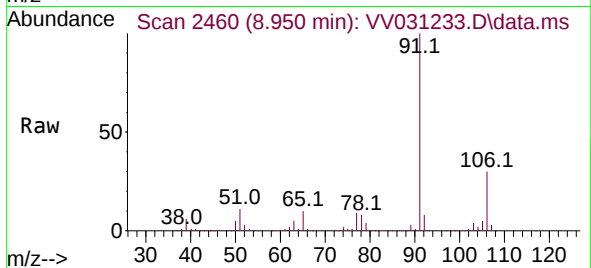




#52
Ethylbenzene
Concen: 21.962 ug/L
RT: 8.950 min Scan# 2461
Delta R.T. -0.003 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

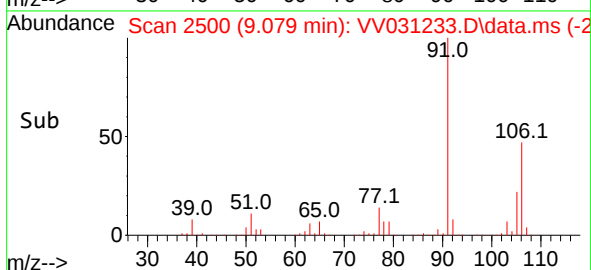
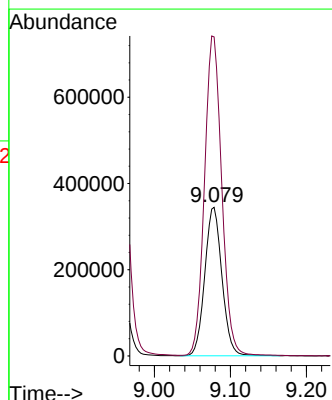
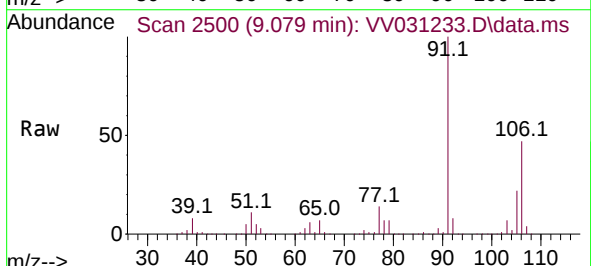
Instrument :
MSVOA_V
ClientSampleId :

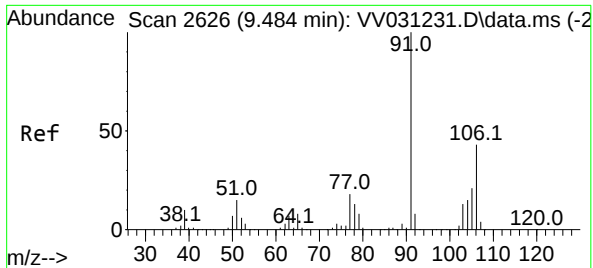
Tgt Ion: 91 Resp: 1479854
Ion Ratio Lower Upper
91 100
106 29.9 21.1 39.1



#53
m,p-Xylene
Concen: 21.712 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

Tgt Ion:106 Resp: 540634
Ion Ratio Lower Upper
106 100
91 214.6 154.7 287.3

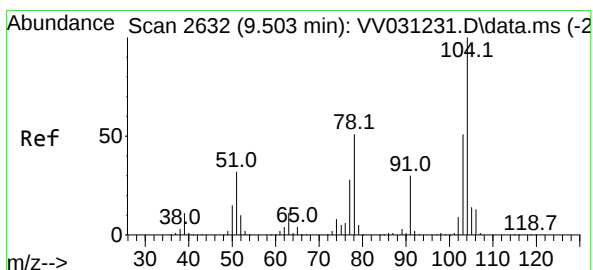
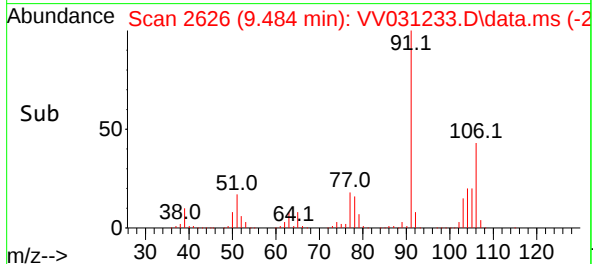
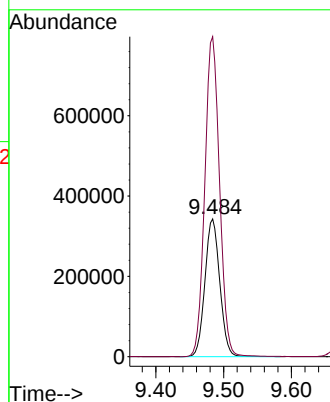
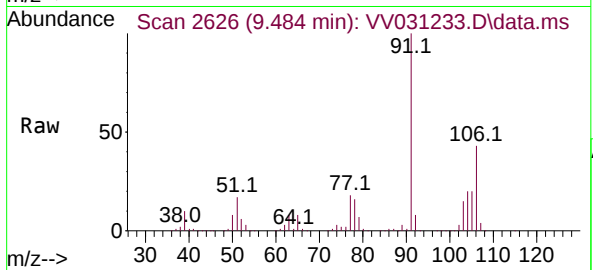




#54
o-Xylene
Concen: 21.993 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

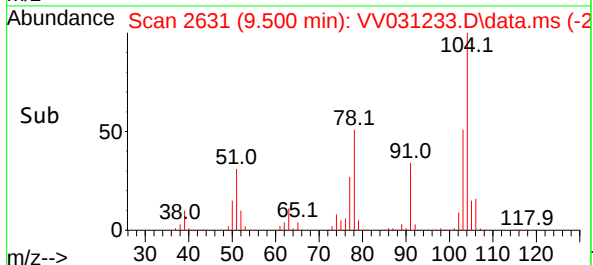
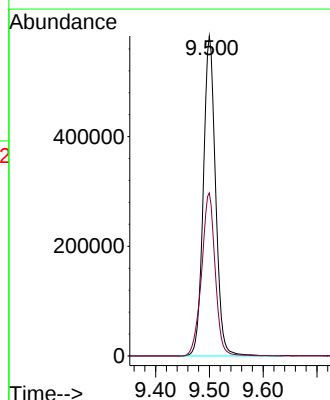
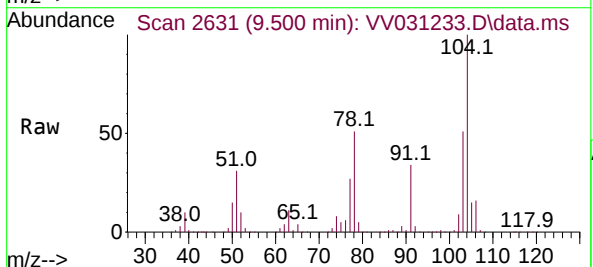
Instrument :
MSVOA_V
ClientSampleId :

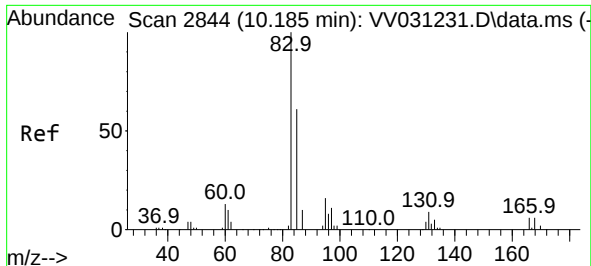
Tgt Ion:106 Resp: 521371
Ion Ratio Lower Upper
106 100
91 232.4 161.3 299.7



#55
Styrene
Concen: 22.121 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.003 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

Tgt Ion:104 Resp: 924683
Ion Ratio Lower Upper
104 100
78 50.9 35.6 66.0

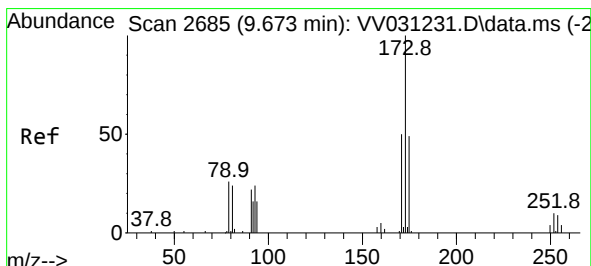
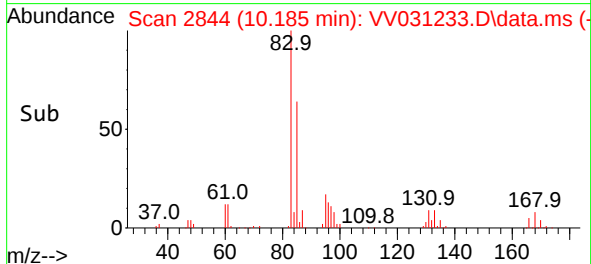
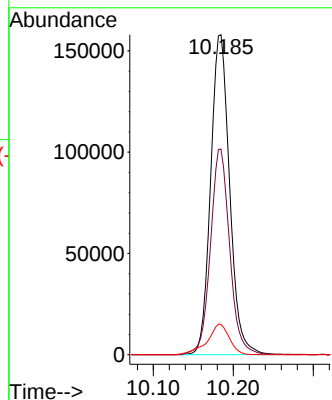
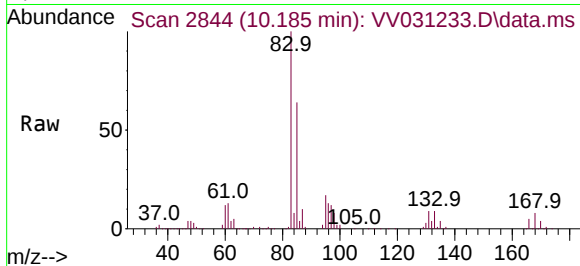




#57
1,1,2,2-Tetrachloroethane
Concen: 18.706 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

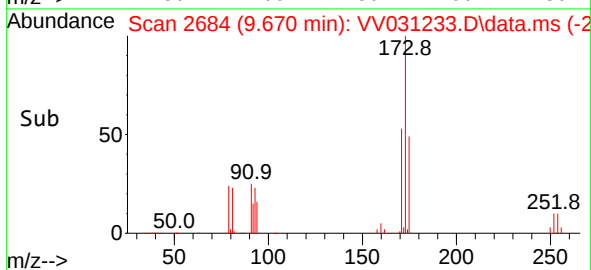
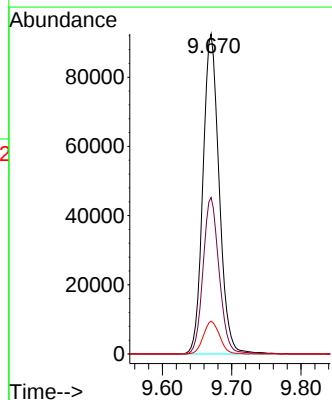
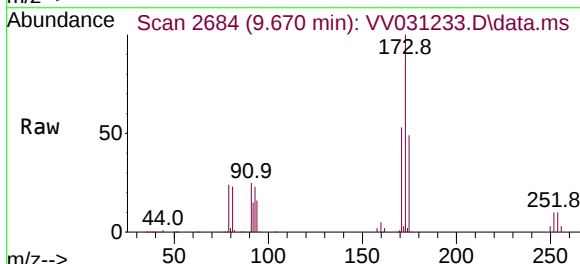
Instrument :
MSVOA_V
ClientSampleId :

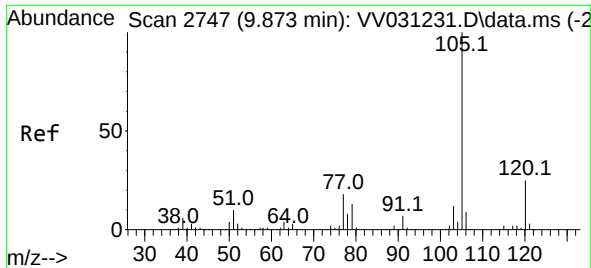
Tgt Ion: 83 Resp: 260213
Ion Ratio Lower Upper
83 100
85 64.2 43.0 80.0
131 9.4 7.6 11.4



#59
Bromoform
Concen: 18.782 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.003 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

Tgt Ion: 173 Resp: 150124
Ion Ratio Lower Upper
173 100
175 48.5 39.0 58.4
254 10.3 7.9 11.9

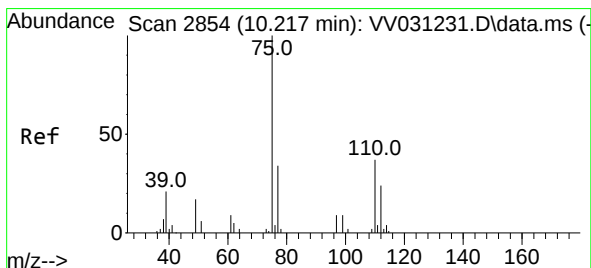
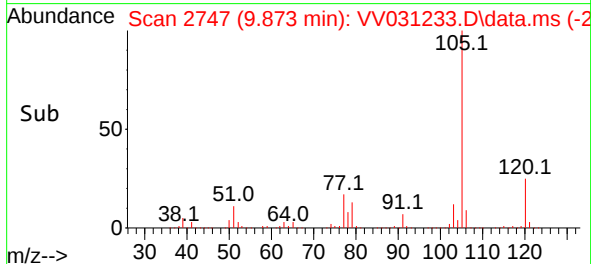
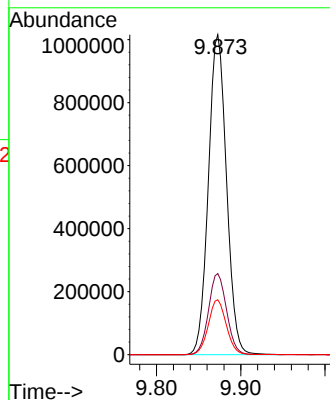
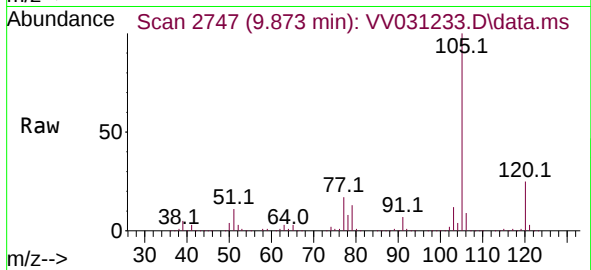




#60
Isopropylbenzene
Concen: 21.115 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

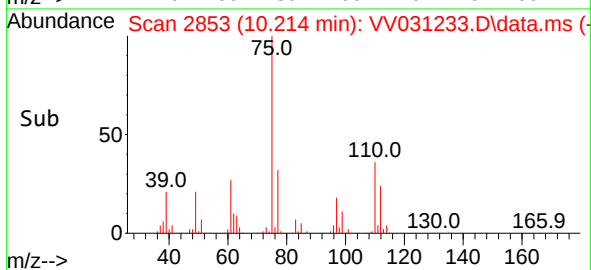
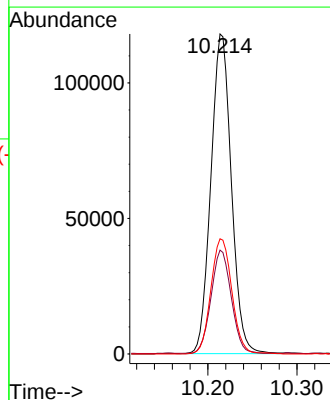
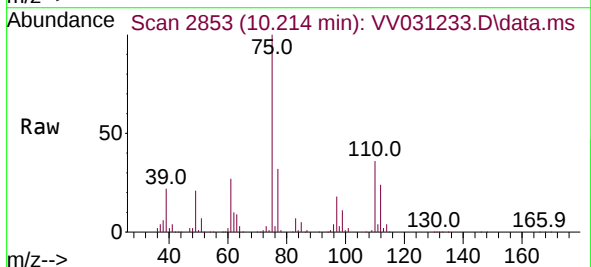
Instrument :
MSVOA_V
ClientSampleId :

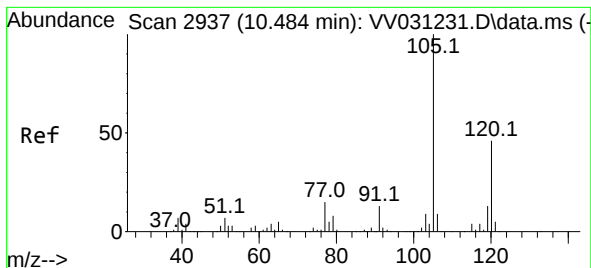
Tgt Ion:105 Resp: 1519873
Ion Ratio Lower Upper
105 100
120 25.4 19.9 29.9
77 17.0 13.9 20.9



#61
1,2,3-Trichloropropane
Concen: 17.432 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.003 min
Lab File: VV031233.D
Acq: 25 May 2023 15:07

Tgt Ion: 75 Resp: 188094
Ion Ratio Lower Upper
75 100
77 31.9 26.6 40.0
110 37.0 29.8 44.8





#62

1,3,5-Trimethylbenzene

Concen: 22.419 ug/L

RT: 10.480 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

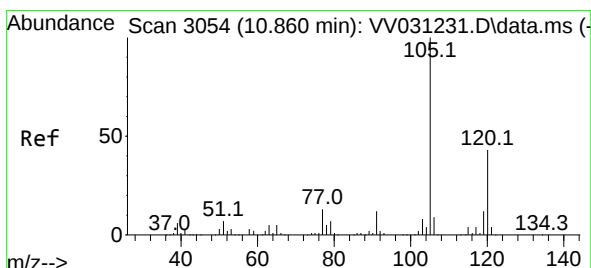
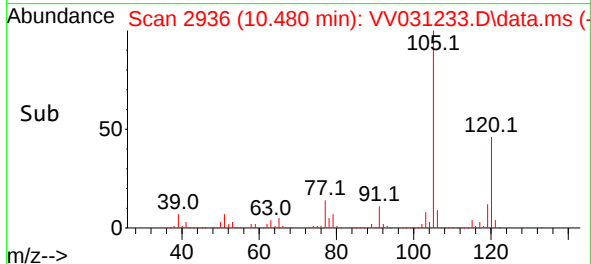
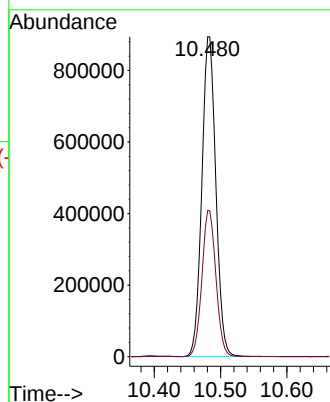
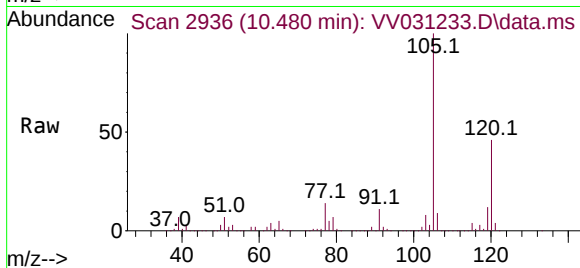
ClientSampleId :

Tgt Ion:105 Resp: 1308350

Ion Ratio Lower Upper

105 100

120 45.8 36.6 55.0



#63

1,2,4-Trimethylbenzene

Concen: 22.665 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.003 min

Lab File: VV031233.D

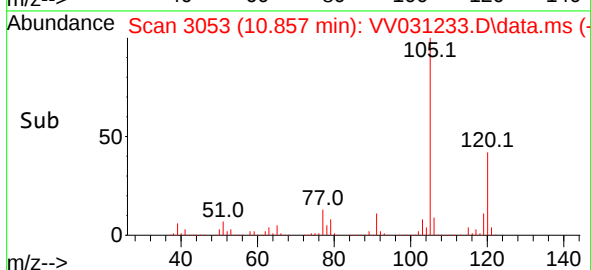
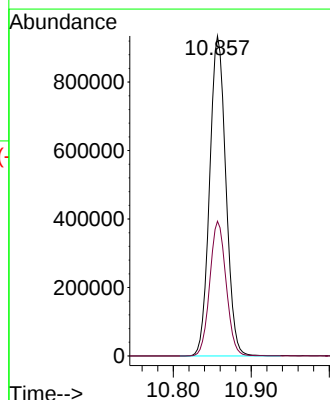
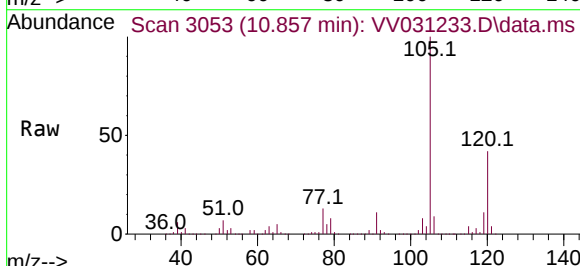
Acq: 25 May 2023 15:07

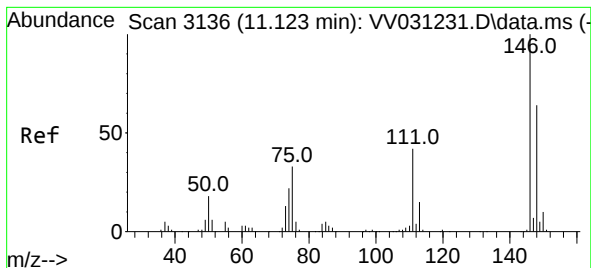
Tgt Ion:105 Resp: 1354396

Ion Ratio Lower Upper

105 100

120 42.2 34.4 51.6





#64

1,3-Dichlorobenzene

Concen: 20.070 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

ClientSampleId :

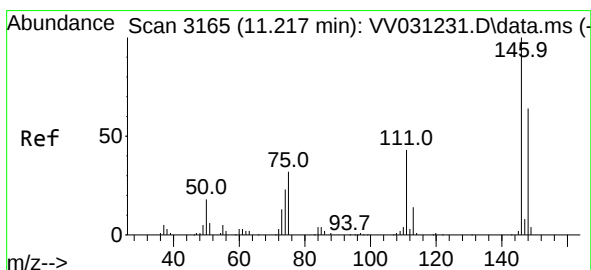
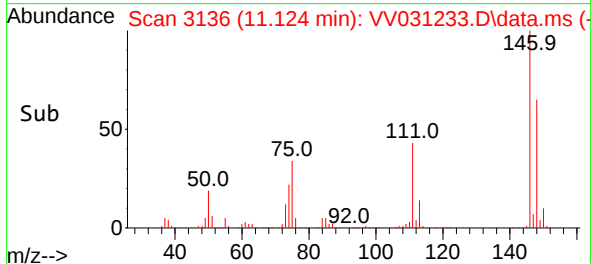
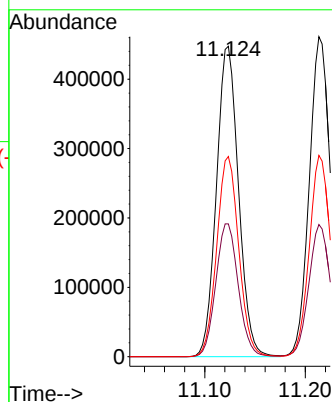
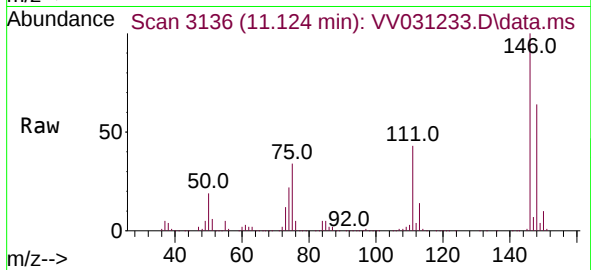
Tgt Ion:146 Resp: 683968

Ion Ratio Lower Upper

146 100

111 42.8 29.5 54.9

148 64.5 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 19.777 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. -0.003 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

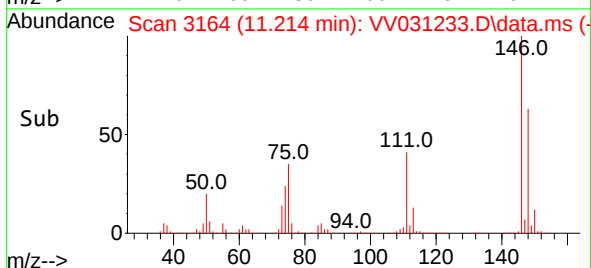
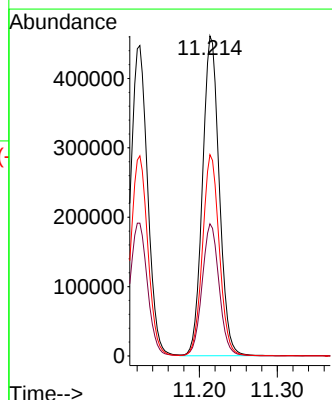
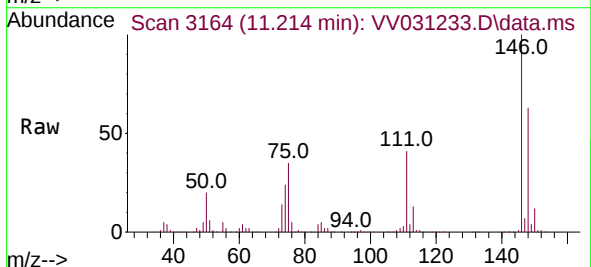
Tgt Ion:146 Resp: 689603

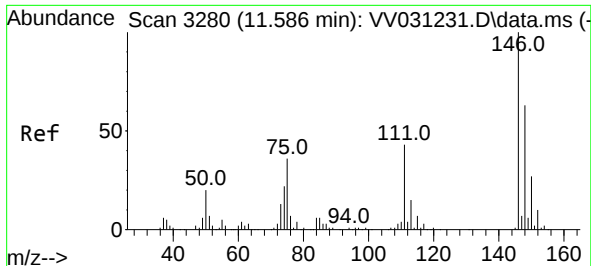
Ion Ratio Lower Upper

146 100

111 41.3 30.4 56.5

148 62.9 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 19.182 ug/L

RT: 11.586 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

ClientSampleId :

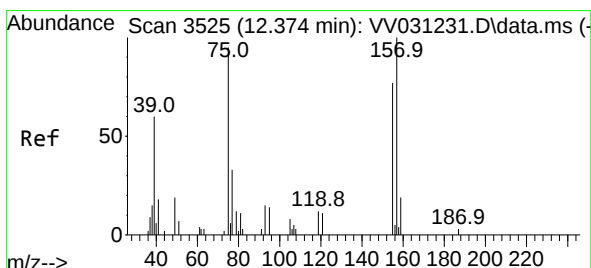
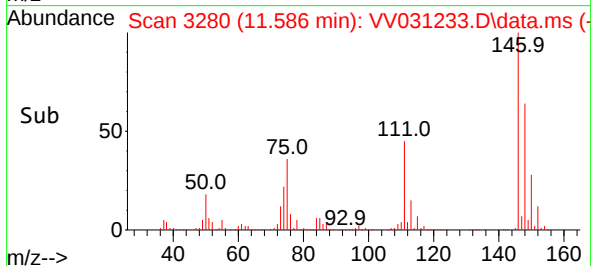
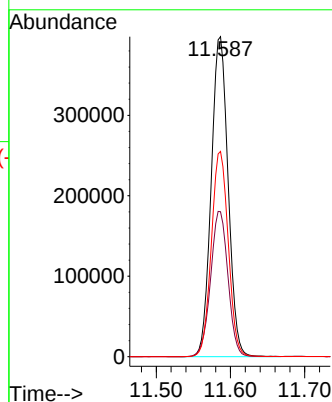
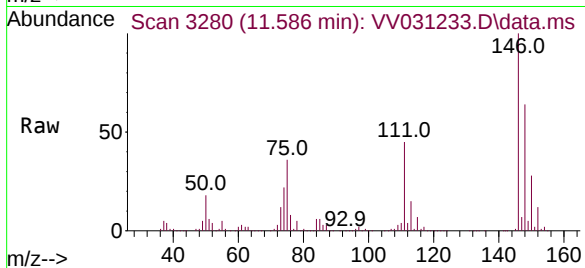
Tgt Ion:146 Resp: 626545

Ion Ratio Lower Upper

146 100

111 45.3 34.3 51.5

148 64.2 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 19.370 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.003 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

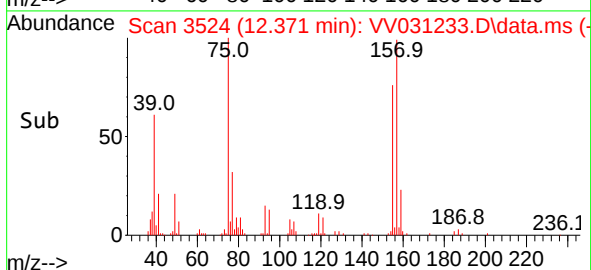
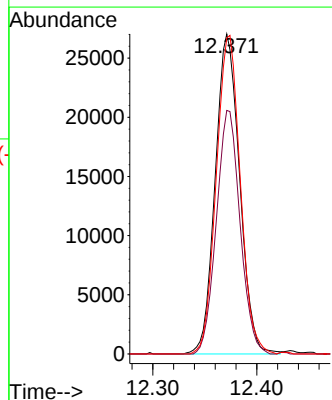
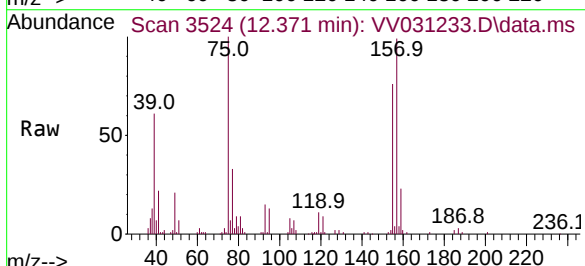
Tgt Ion: 75 Resp: 44048

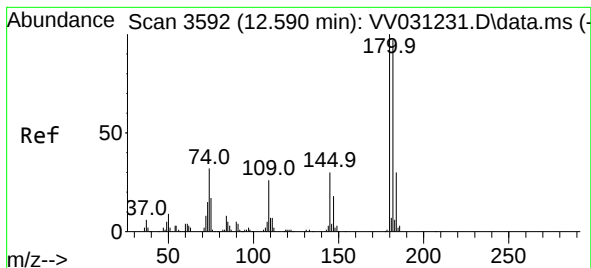
Ion Ratio Lower Upper

75 100

155 76.1 64.6 96.8

157 98.8 84.1 126.1





#69

1,3,5-Trichlorobenzene

Concen: 20.031 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

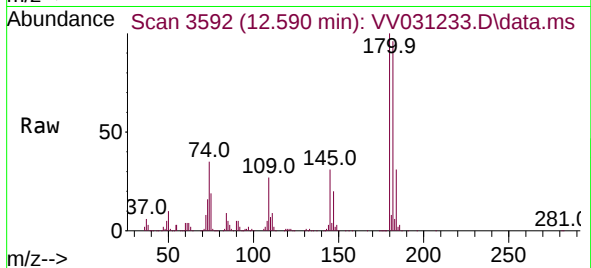
Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 554353

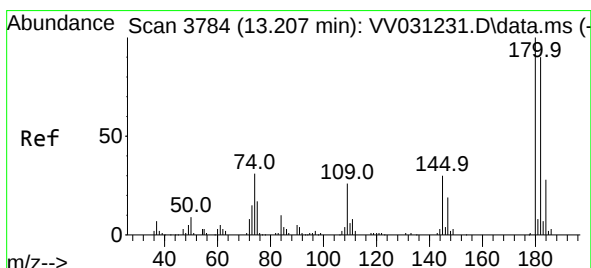
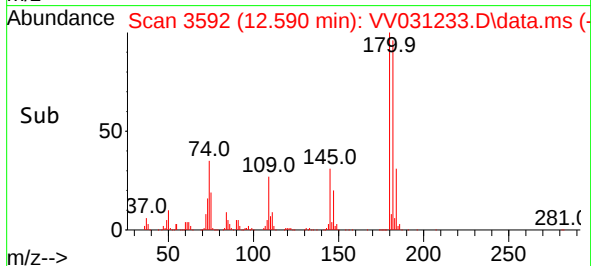
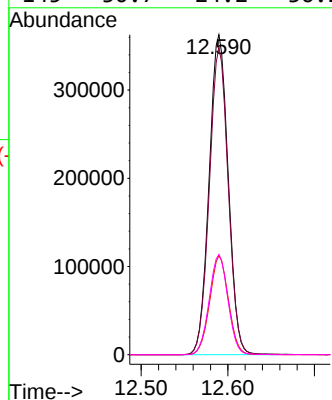
Ion Ratio Lower Upper

180 100

182 94.9 76.6 114.8

184 30.4 24.9 37.3

145 30.7 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 20.028 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

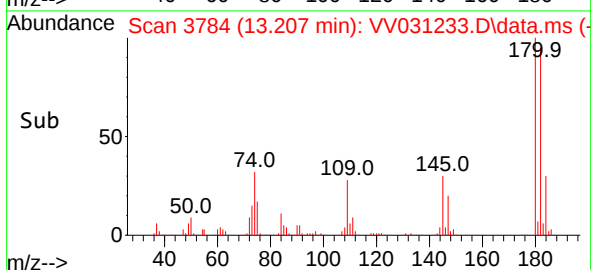
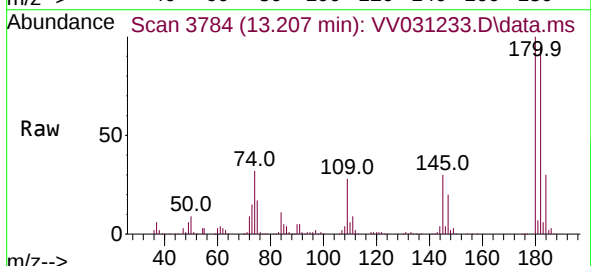
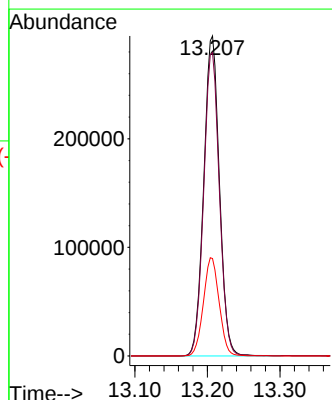
Tgt Ion:180 Resp: 443053

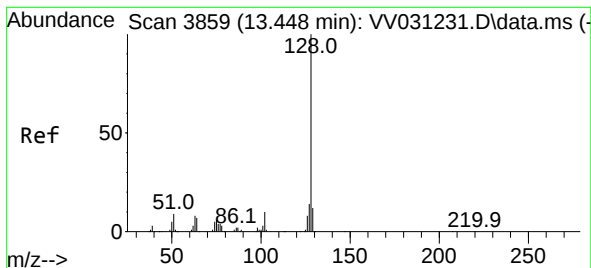
Ion Ratio Lower Upper

180 100

182 94.7 74.8 112.2

145 30.8 24.1 36.1





#71

Naphthalene

Concen: 18.985 ug/L

RT: 13.445 min Scan# 3859

Delta R.T. -0.003 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

Instrument :

MSVOA_V

ClientSampleId :

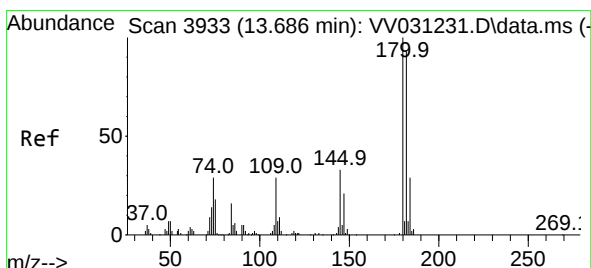
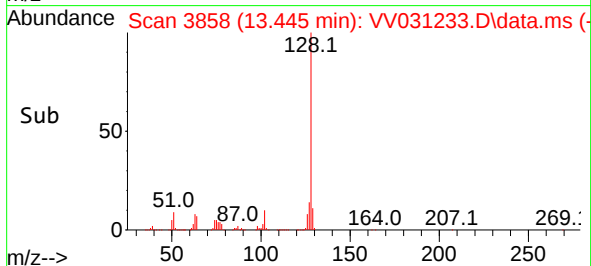
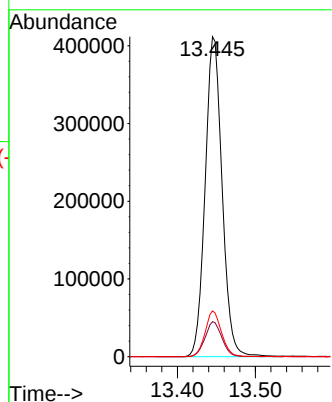
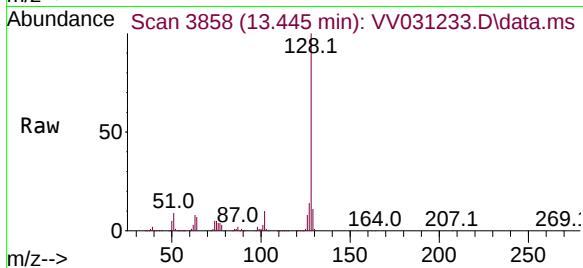
Tgt Ion:128 Resp: 621596

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

127 13.8 11.5 17.3



#72

1,2,3-Trichlorobenzene

Concen: 19.775 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031233.D

Acq: 25 May 2023 15:07

Tgt Ion:180 Resp: 376239

Ion Ratio Lower Upper

180 100

182 95.1 77.6 116.4

145 33.1 26.9 40.3

