

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032224\
 Data File : VW034803.D
 Acq On : 22 Mar 2024 08:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 23 04:52:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 01:59:49 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	250717	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	238682	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	131741	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	101243	46.582	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.160%
7) Chloroethane-d5	1.532	69	82597	48.779	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.560%
11) 1,1-Dichloroethene-d2	2.060	65	47123	47.941	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.880%
21) 2-Butanone-d5	3.789	46	115187	79.249	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.250%
24) Chloroform-d	4.246	84	202901	52.799	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.600%
26) 1,2-Dichloroethane-d4	4.937	65	133708	53.244	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.480%
32) Benzene-d6	4.957	84	369979	51.361	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.720%
36) 1,2-Dichloropropane-d6	5.985	67	101447	46.147	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.300%
41) Toluene-d8	7.239	98	351247	53.882	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.760%
43) trans-1,3-Dichloroprop...	7.548	79	59122	53.555	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.100%
47) 2-Hexanone-d5	8.021	63	74261	67.647	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	67.650%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	135839	46.954	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.900%
66) 1,2-Dichlorobenzene-d4	11.558	152	147365	54.725	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	124750	47.436	ug/L	99
3) Chloromethane	1.217	50	90016	34.834	ug/L	99
5) Vinyl chloride	1.285	62	99459	39.650	ug/L	100
6) Bromomethane	1.490	94	67236	44.675	ug/L	99
8) Chloroethane	1.552	64	67376	45.190	ug/L	100
9) Trichlorofluoromethane	1.712	101	194608	51.807	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	104617	51.674	ug/L	94
12) 1,1-Dichloroethene	2.069	96	88703	47.249	ug/L	93
13) Acetone	2.124	43	179942	102.982	ug/L	99
14) Carbon disulfide	2.243	76	208834	40.082	ug/L	99
15) Methyl Acetate	2.375	43	99036	44.304	ug/L	94
16) Methylene chloride	2.445	84	106813	53.637	ug/L	89
17) trans-1,2-Dichloroethene	2.693	96	92180	50.730	ug/L	95
18) Methyl tert-butyl Ether	2.699	73	369840	56.677	ug/L	96
19) 1,1-Dichloroethane	3.111	63	178931	50.268	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	107890	54.724	ug/L	91
22) 2-Butanone	3.867	43	166557	96.531	ug/L	91
23) Bromochloromethane	4.143	128	59480	58.344	ug/L #	88
25) Chloroform	4.272	83	203744	55.224	ug/L	97

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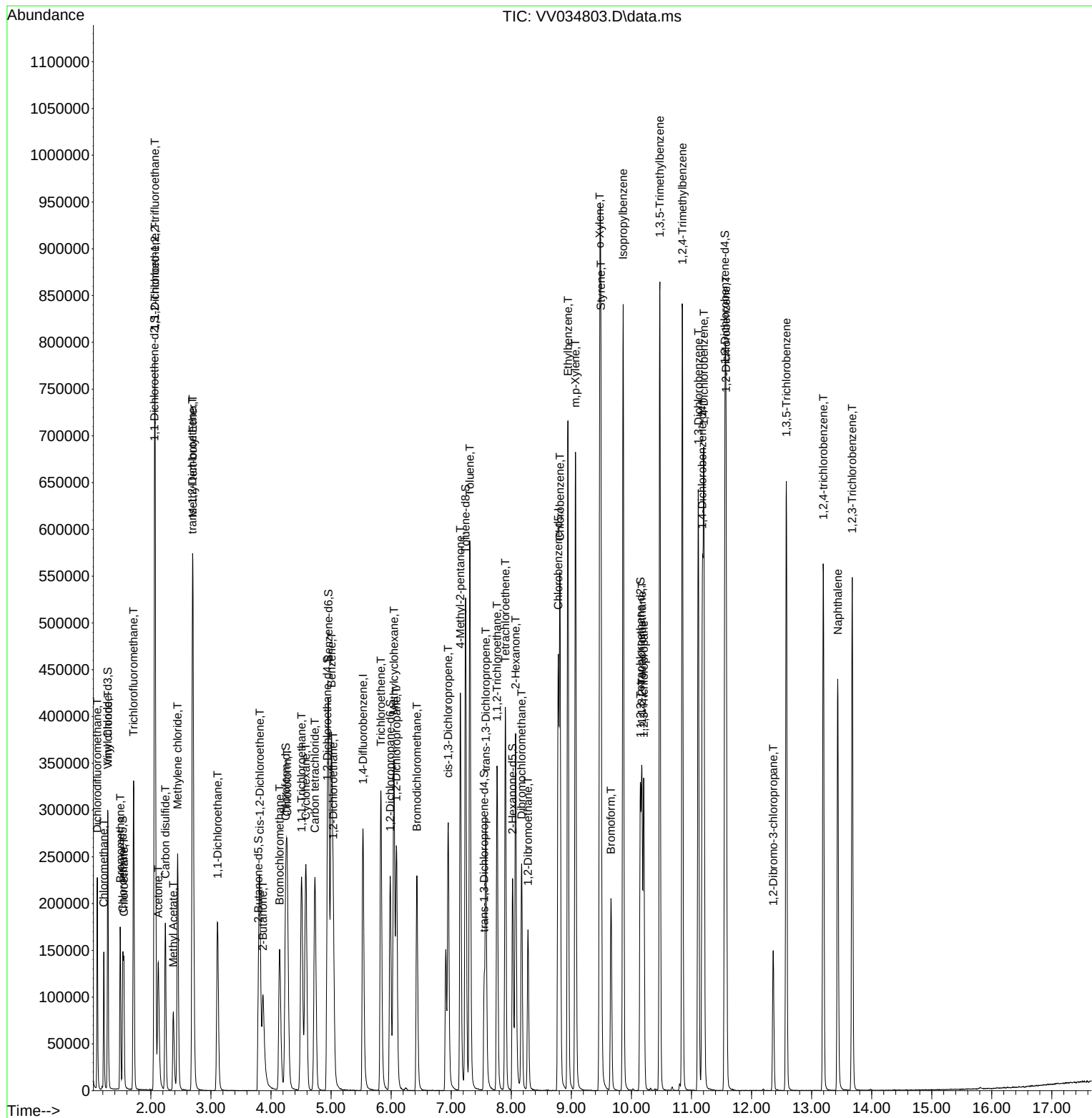
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	171240	57.127	ug/L	98
29) Cyclohexane	4.580	56	132636	42.248	ug/L	91
30) 1,1,1-Trichloroethane	4.510	97	194935	56.954	ug/L	98
31) Carbon tetrachloride	4.731	117	177427	58.552	ug/L	100
33) Benzene	5.008	78	378675	51.112	ug/L	100
34) Trichloroethene	5.831	95	108084	51.323	ug/L	93
35) Methylcyclohexane	6.047	83	155052	48.430	ug/L	95
37) 1,2-Dichloropropane	6.088	63	94857	48.904	ug/L #	97
38) Bromodichloromethane	6.429	83	152710	55.971	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	172169	54.785	ug/L	97
40) 4-Methyl-2-pentanone	7.153	43	257516	90.036	ug/L #	93
42) Toluene	7.310	91	423562	54.019	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	167072	55.276	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	105401	56.319	ug/L	97
46) Tetrachloroethene	7.902	164	89919	57.413	ug/L	98
48) 2-Hexanone	8.072	43	229280	100.601	ug/L #	95
49) Dibromochloromethane	8.172	129	120980	61.257	ug/L	98
50) 1,2-Dibromoethane	8.278	107	107719	54.240	ug/L	99
51) Chlorobenzene	8.812	112	293210	57.844	ug/L	95
52) Ethylbenzene	8.944	91	495338	56.380	ug/L	98
53) m,p-Xylene	9.069	106	189898	56.959	ug/L	97
54) o-Xylene	9.474	106	187789	57.521	ug/L	100
55) Styrene	9.493	104	326042	58.985	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	145233	51.667	ug/L	99
59) Bromoform	9.661	173	89625	61.361	ug/L	99
60) Isopropylbenzene	9.863	105	526738	56.533	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	125288	49.821	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	450534	57.322	ug/L	97
63) 1,2,4-Trimethylbenzene	10.850	105	452927	58.266	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	256901	59.634	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	261322	59.734	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	255606	59.212	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	37474	50.024	ug/L	91
69) 1,3,5-Trichlorobenzene	12.580	180	196870	60.917	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	174896	60.143	ug/L	99
71) Naphthalene	13.435	128	348733	44.832	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	161715	57.005	ug/L	99

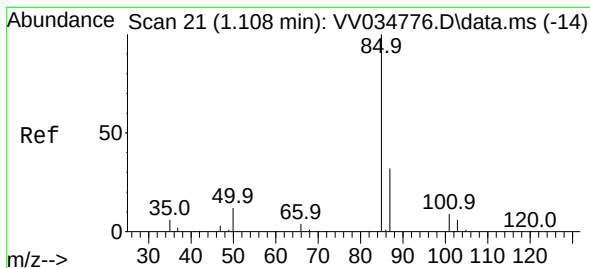
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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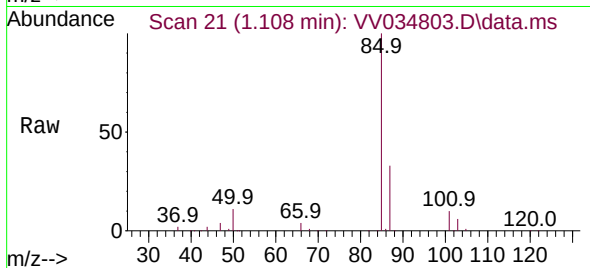
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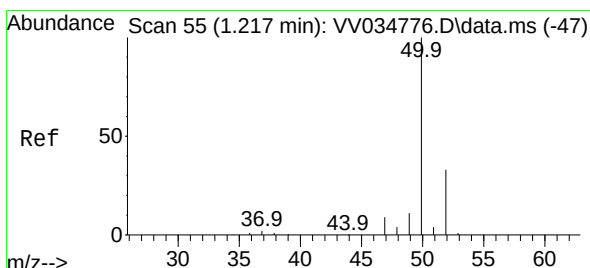
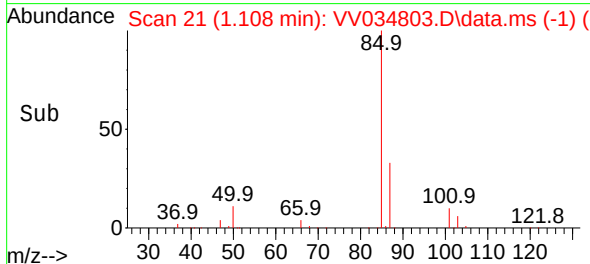
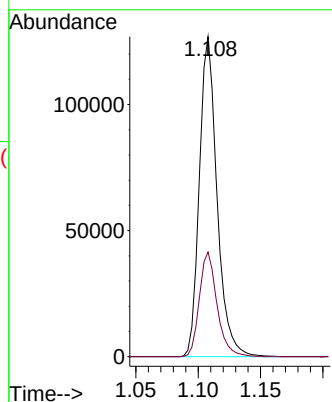


#2
 Dichlorodifluoromethane
 Concen: 47.436 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV034803.D
 Acq: 22 Mar 2024 08:47

Instrument :
 MSVOA_V
 ClientSampleId :

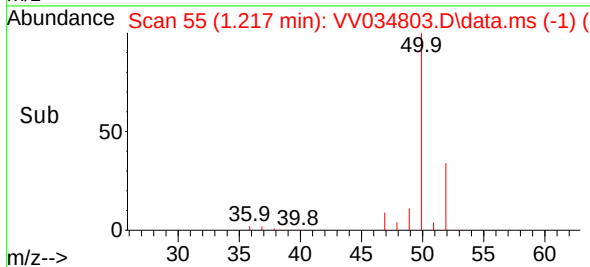
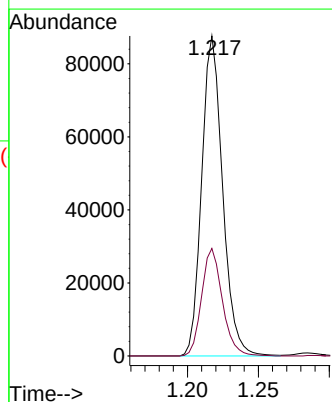
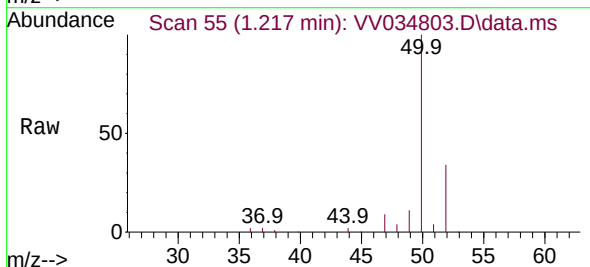


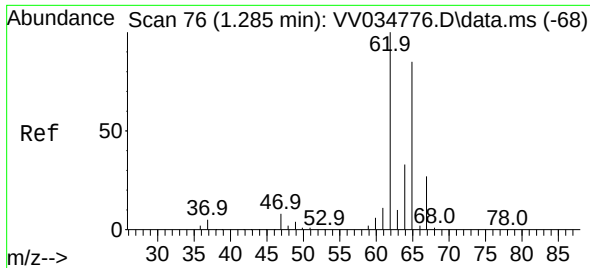
Tgt Ion: 85 Resp: 124750
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.5 38.3



#3
 Chloromethane
 Concen: 34.834 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV034803.D
 Acq: 22 Mar 2024 08:47

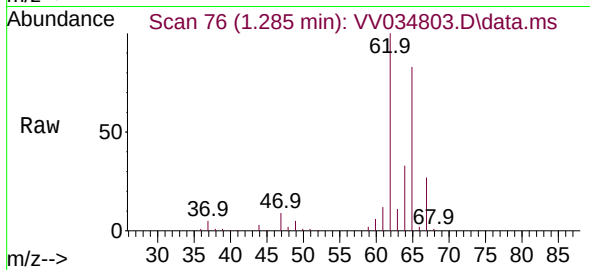
Tgt Ion: 50 Resp: 90016
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.0 42.8



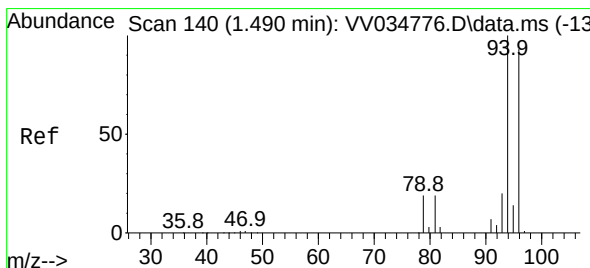
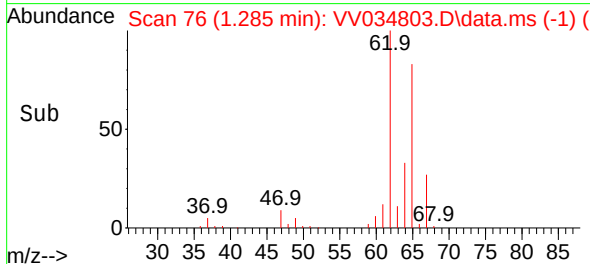
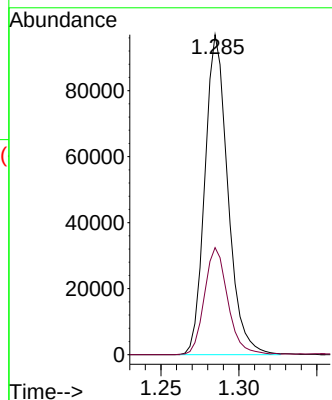


#5
 Vinyl chloride
 Concen: 39.650 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV034803.D
 Acq: 22 Mar 2024 08:47

Instrument :
 MSVOA_V
 ClientSampleId :

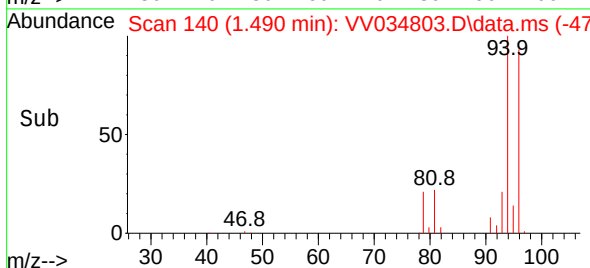
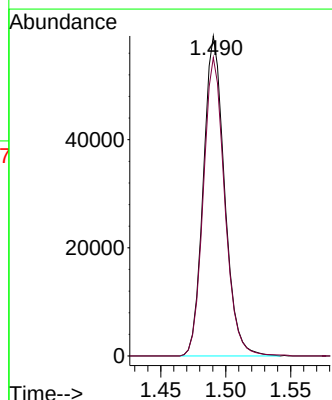
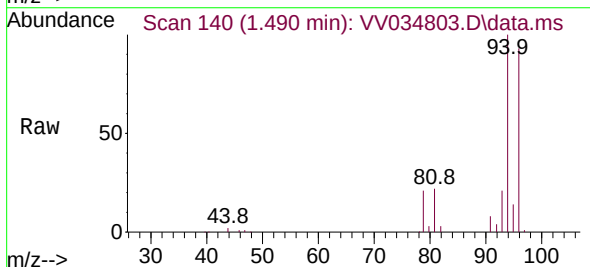


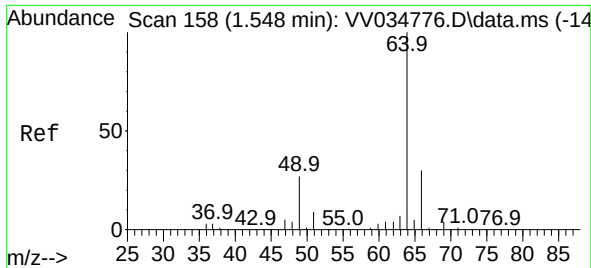
Tgt Ion: 62 Resp: 99459
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.4 43.6



#6
 Bromomethane
 Concen: 44.675 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV034803.D
 Acq: 22 Mar 2024 08:47

Tgt Ion: 94 Resp: 67236
 Ion Ratio Lower Upper
 94 100
 96 93.2 66.0 122.6





#8

Chloroethane

Concen: 45.190 ug/L

RT: 1.552 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Instrument :

MSVOA_V

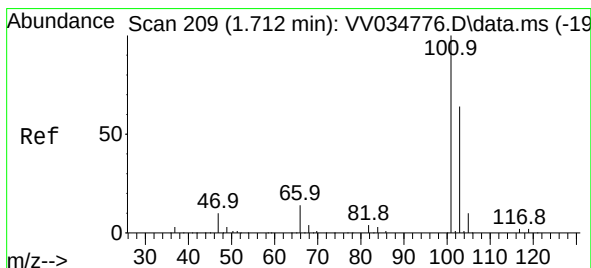
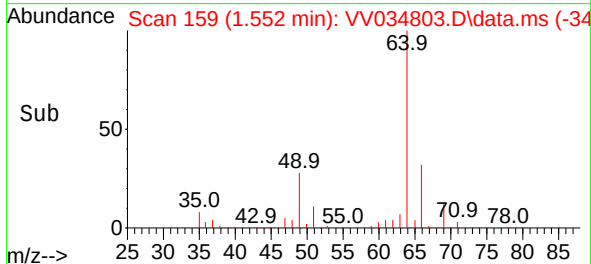
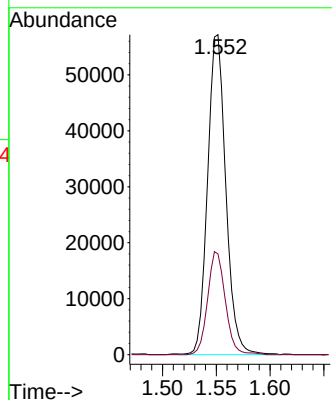
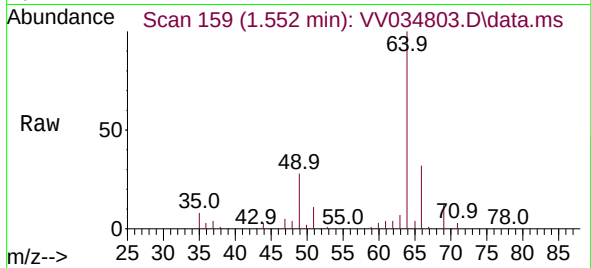
ClientSampleId :

Tgt Ion: 64 Resp: 67376

Ion Ratio Lower Upper

64 100

66 31.5 22.0 40.8



#9

Trichlorofluoromethane

Concen: 51.807 ug/L

RT: 1.712 min Scan# 209

Delta R.T. 0.000 min

Lab File: VV034803.D

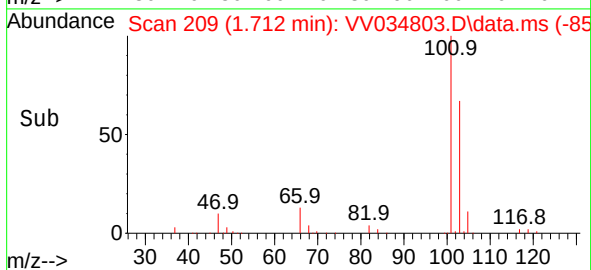
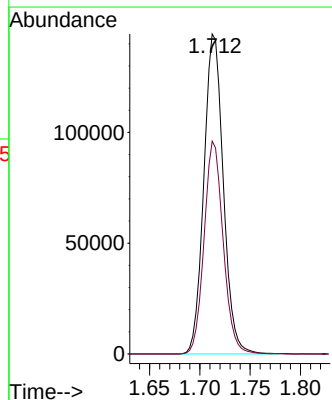
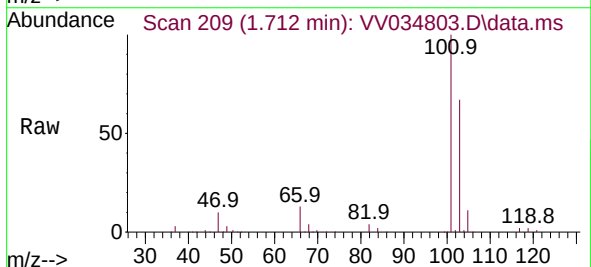
Acq: 22 Mar 2024 08:47

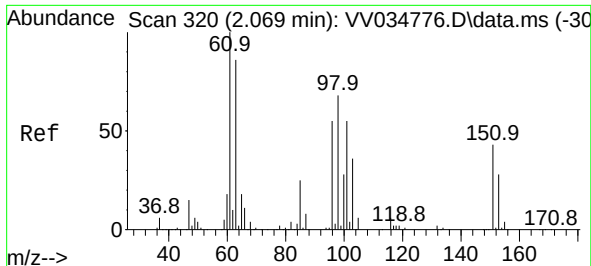
Tgt Ion:101 Resp: 194608

Ion Ratio Lower Upper

101 100

103 65.1 51.8 77.8





#10

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

Concen: 51.674 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Instrument :

MSVOA_V

ClientSampleId :

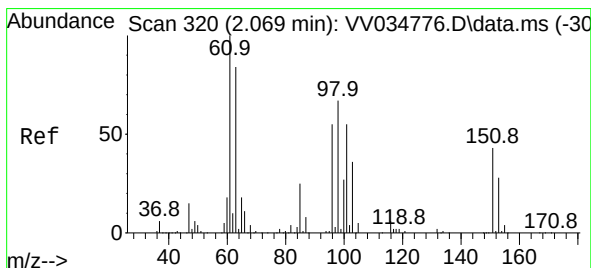
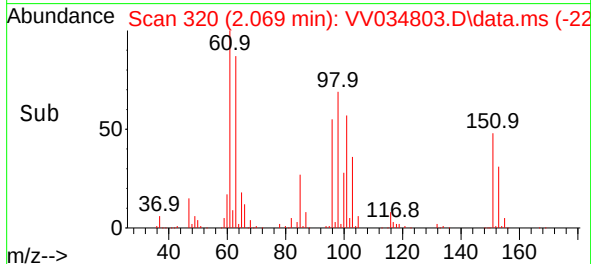
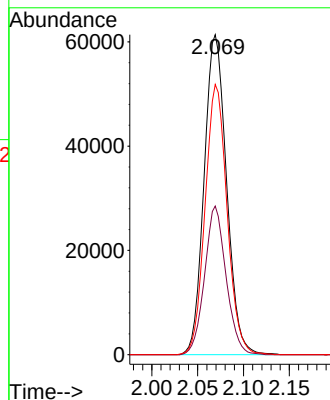
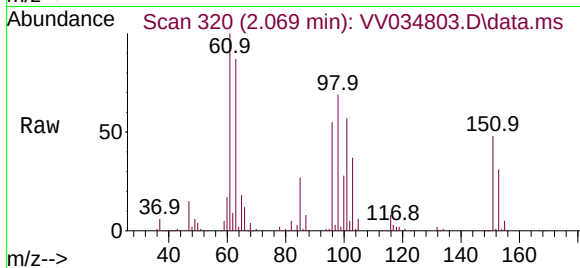
Tgt Ion:101 Resp: 104617

Ion Ratio Lower Upper

101 100

85 44.5 37.4 56.0

151 82.8 61.4 92.2



#12

1,1-Dichloroethene

Concen: 47.249 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

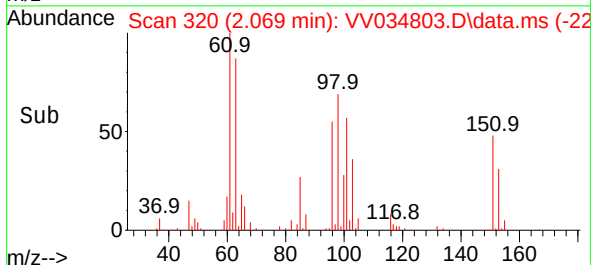
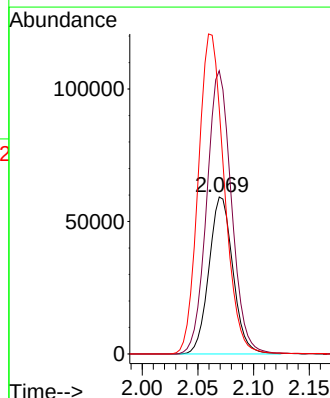
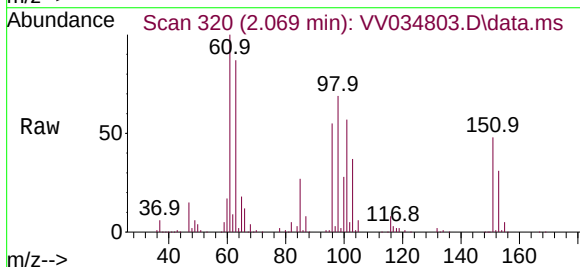
Tgt Ion: 96 Resp: 88703

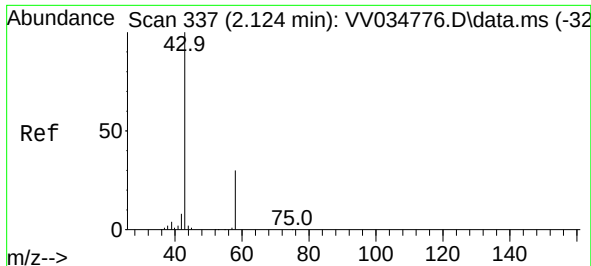
Ion Ratio Lower Upper

96 100

61 180.5 128.9 239.3

63 156.4 98.0 182.0





#13

Acetone

Concen: 102.982 ug/L

RT: 2.124 min Scan# 337

Delta R.T. 0.000 min

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Instrument :

MSVOA_V

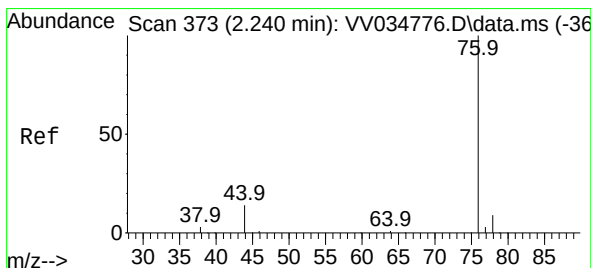
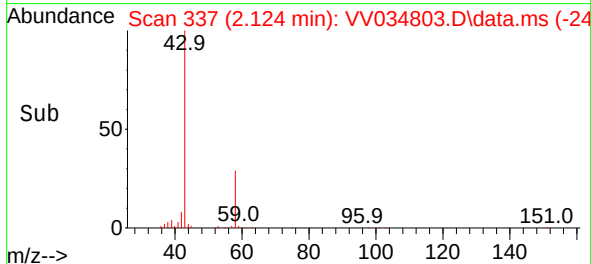
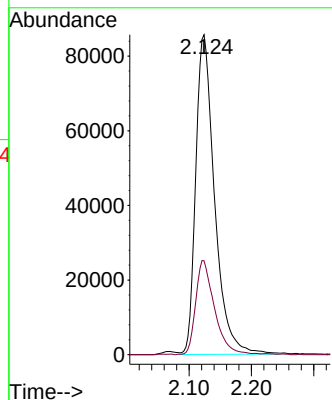
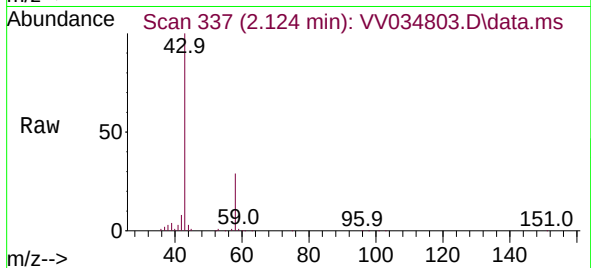
ClientSampleId :

Tgt Ion: 43 Resp: 179942

Ion Ratio Lower Upper

43 100

58 28.9 0.0 57.2



#14

Carbon disulfide

Concen: 40.082 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV034803.D

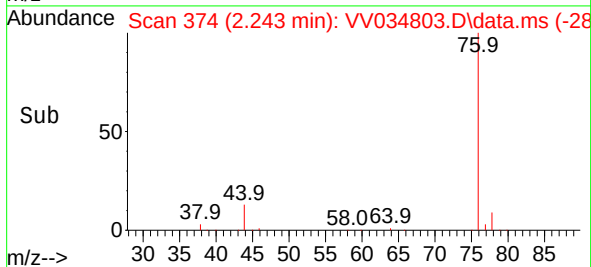
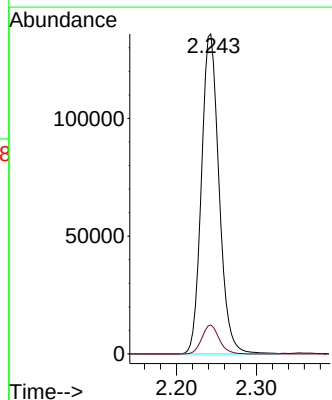
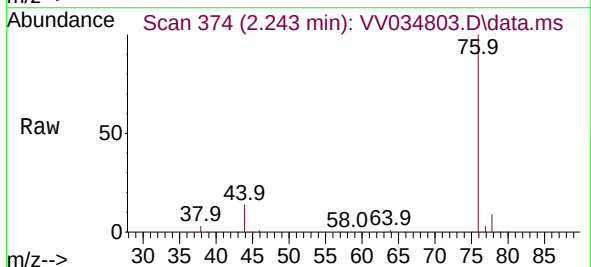
Acq: 22 Mar 2024 08:47

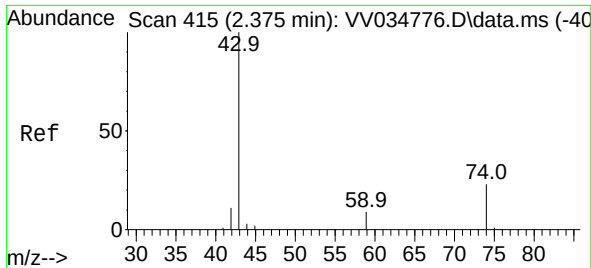
Tgt Ion: 76 Resp: 208834

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

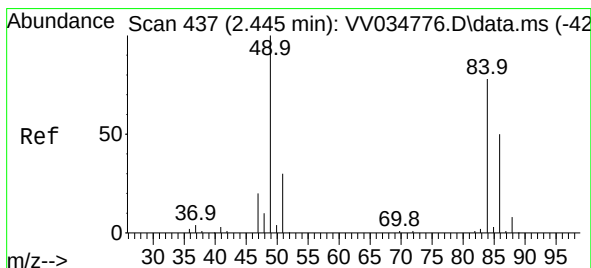
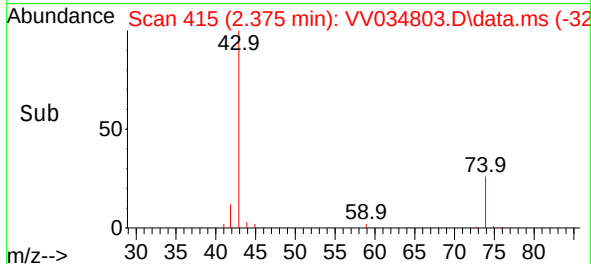
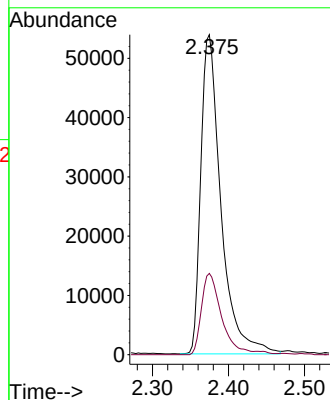
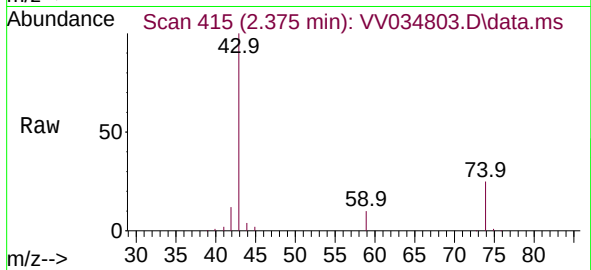




#15
Methyl Acetate
Concen: 44.304 ug/L
RT: 2.375 min Scan# 415
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

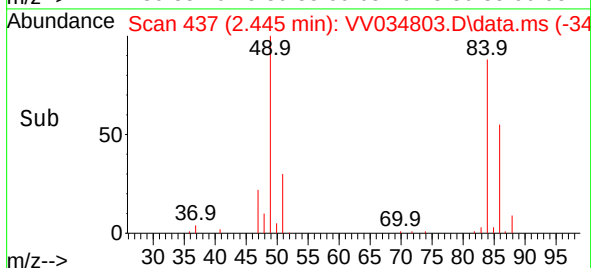
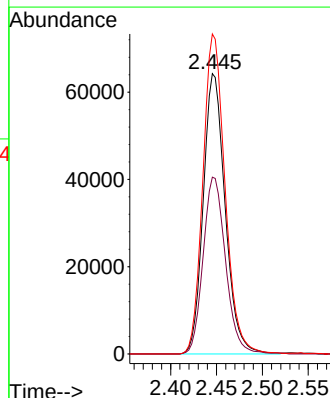
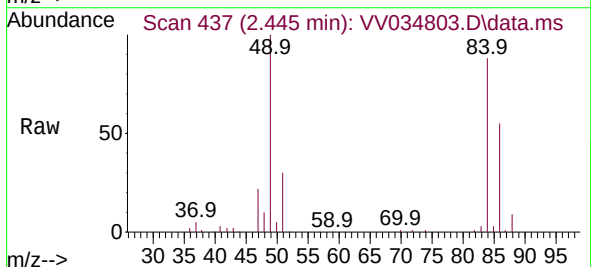
Instrument :
MSVOA_V
ClientSampleId :

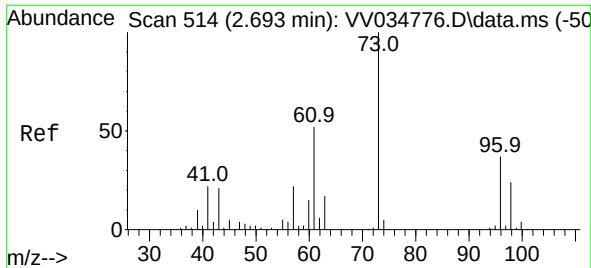
Tgt Ion: 43 Resp: 99036
Ion Ratio Lower Upper
43 100
74 25.1 17.8 26.8



#16
Methylene chloride
Concen: 53.637 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

Tgt Ion: 84 Resp: 106813
Ion Ratio Lower Upper
84 100
86 63.1 45.6 84.6
49 114.1 92.3 171.3





#17

trans-1,2-Dichloroethene

Concen: 50.730 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Instrument :

MSVOA_V

ClientSampleId :

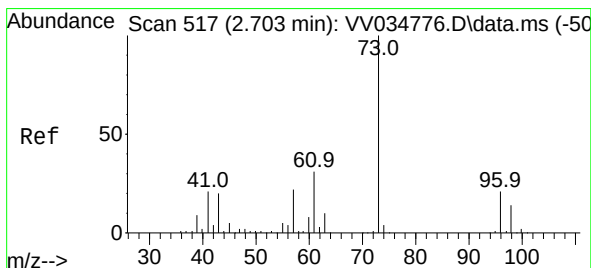
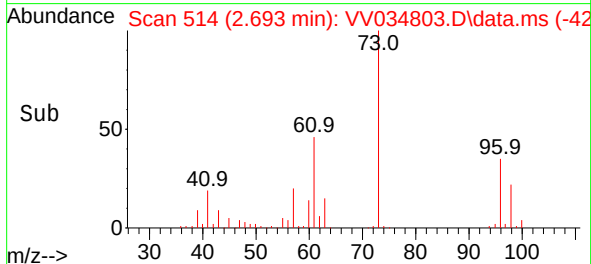
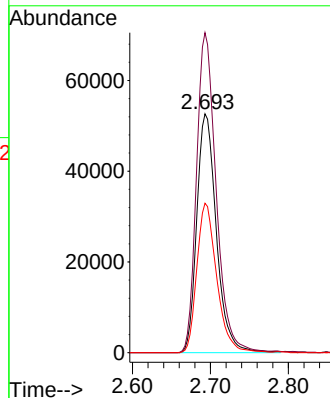
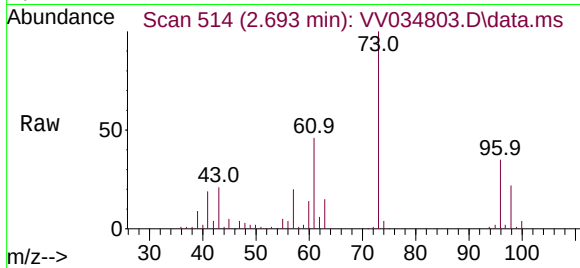
Tgt Ion: 96 Resp: 92180

Ion Ratio Lower Upper

96 100

61 133.9 98.8 183.4

98 62.5 46.1 85.5



#18

Methyl tert-butyl Ether

Concen: 56.677 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

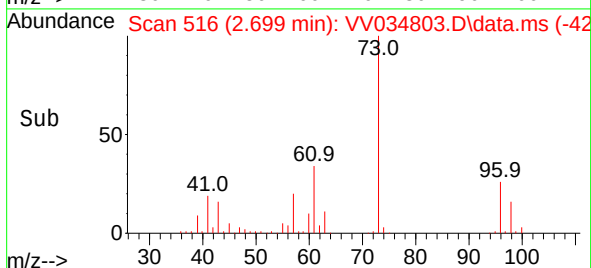
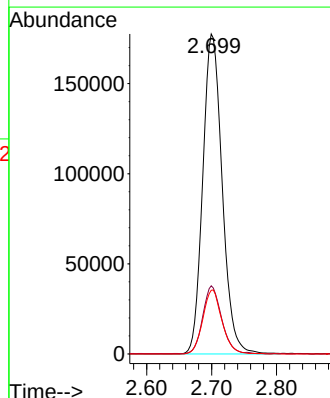
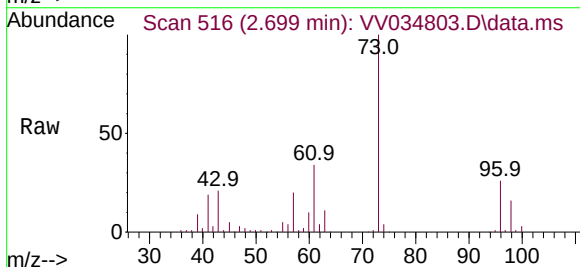
Tgt Ion: 73 Resp: 369840

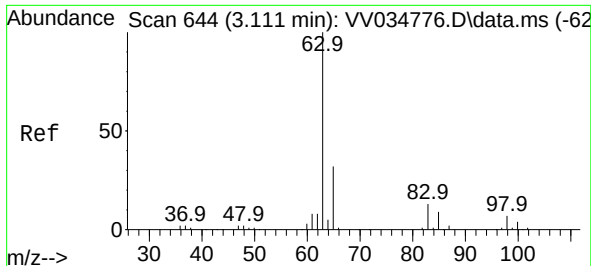
Ion Ratio Lower Upper

73 100

43 20.3 17.1 25.7

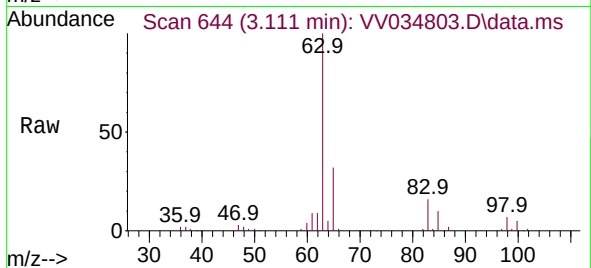
57 19.7 17.6 26.4



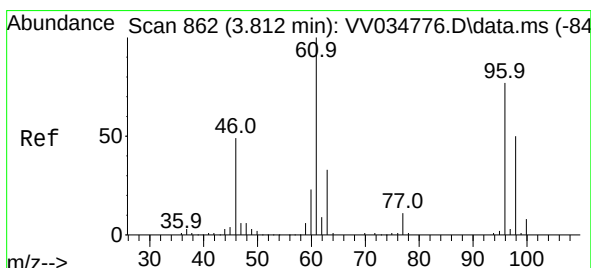
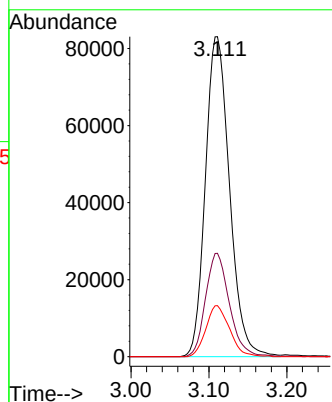
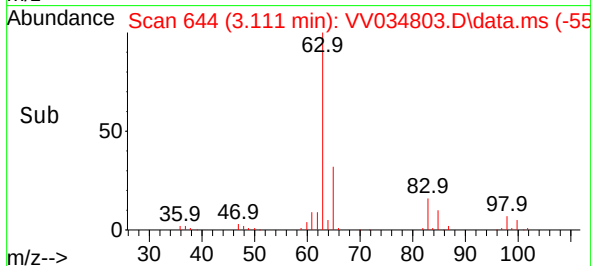


#19
1,1-Dichloroethane
Concen: 50.268 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

Instrument :
MSVOA_V
ClientSampleId :

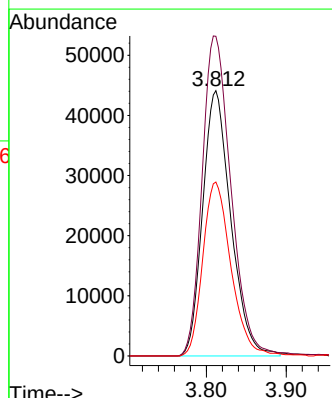
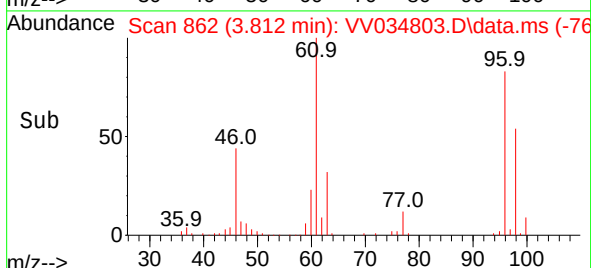
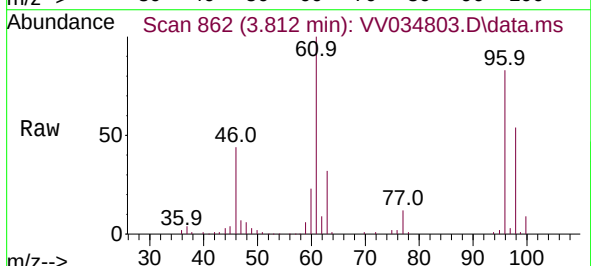


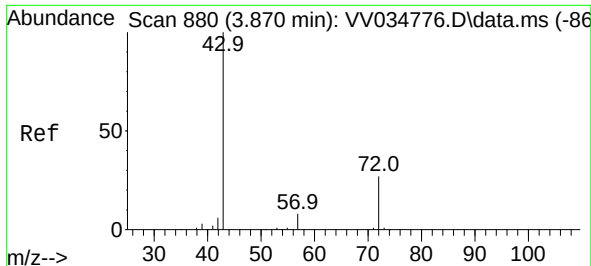
Tgt Ion: 63 Resp: 178931
Ion Ratio Lower Upper
63 100
65 32.3 22.1 41.1
83 15.9 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 54.724 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

Tgt Ion: 96 Resp: 107890
Ion Ratio Lower Upper
96 100
61 120.5 96.0 178.4
98 65.6 46.0 85.4





#22

2-Butanone

Concen: 96.531 ug/L

RT: 3.867 min Scan# 81

Delta R.T. -0.003 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Instrument :

MSVOA_V

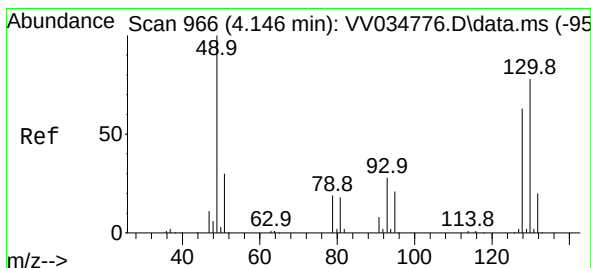
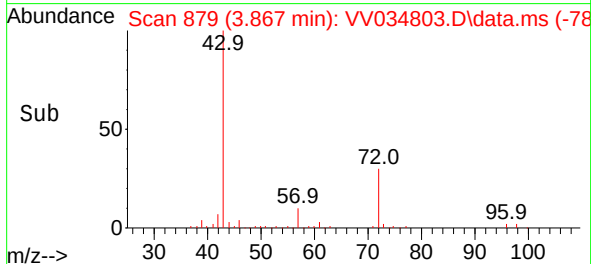
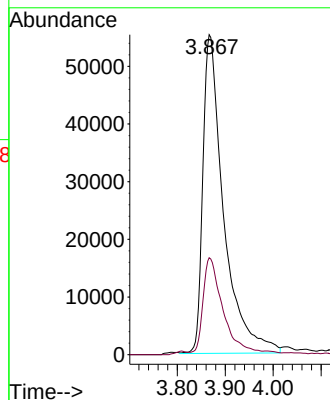
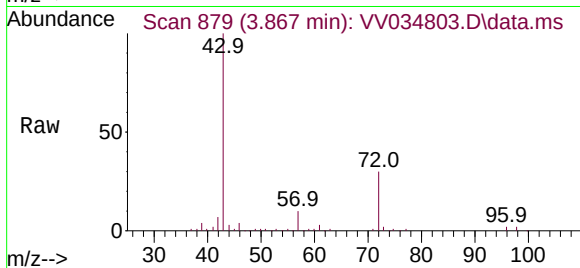
ClientSampleId :

Tgt Ion: 43 Resp: 166557

Ion Ratio Lower Upper

43 100

72 27.4 11.5 34.4



#23

Bromochloromethane

Concen: 58.344 ug/L

RT: 4.143 min Scan# 965

Delta R.T. -0.003 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Tgt Ion: 128 Resp: 59480

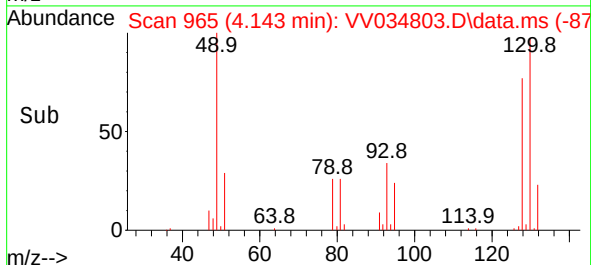
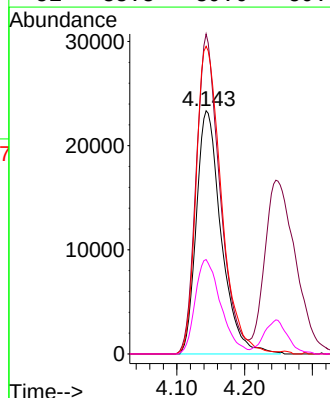
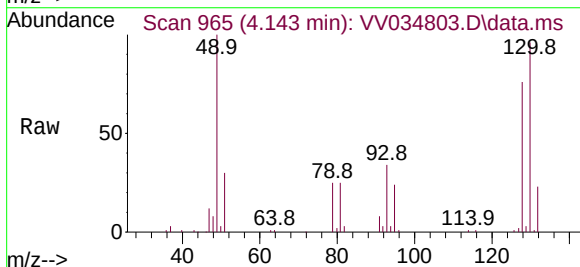
Ion Ratio Lower Upper

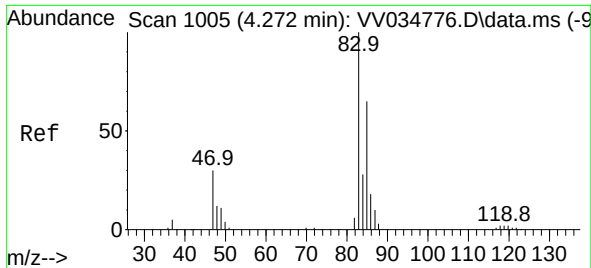
128 100

49 131.6 109.4 203.2

130 126.5 87.7 162.9

51 38.8 39.6 59.4#

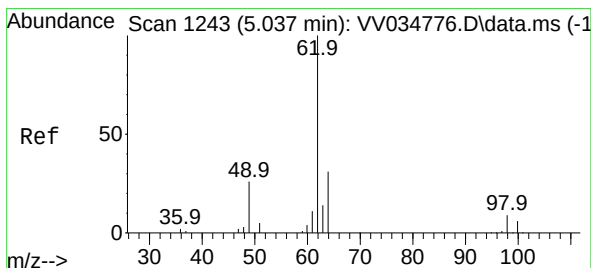
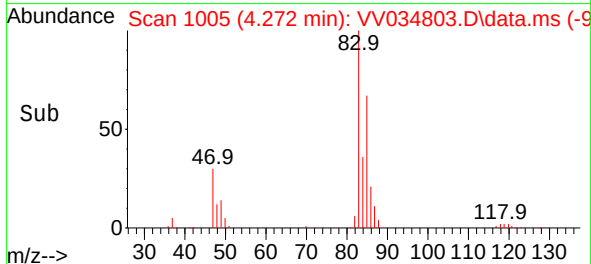
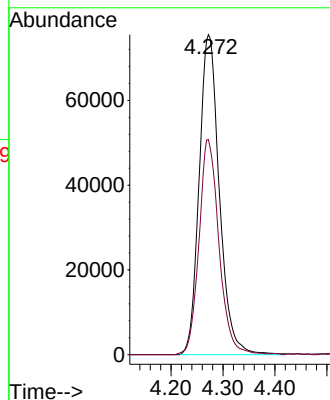
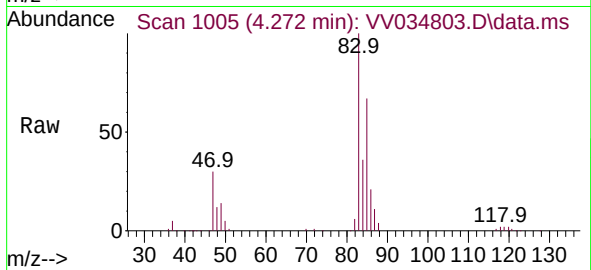




#25
Chloroform
Concen: 55.224 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

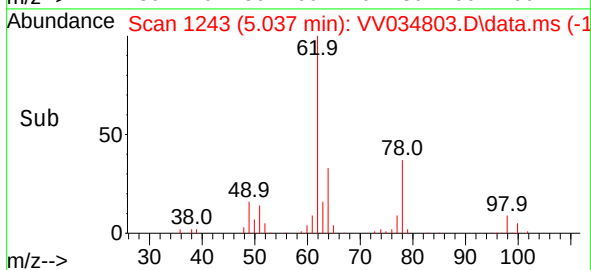
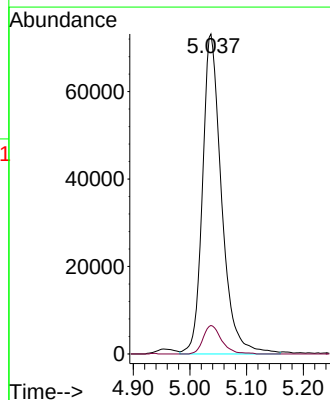
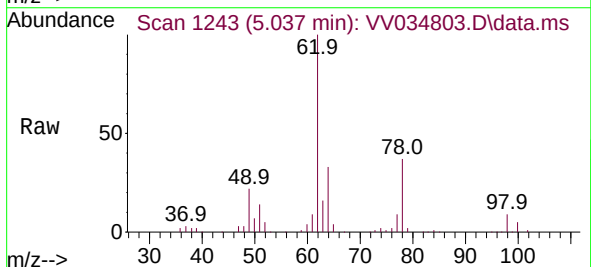
Instrument :
MSVOA_V
ClientSampleId :

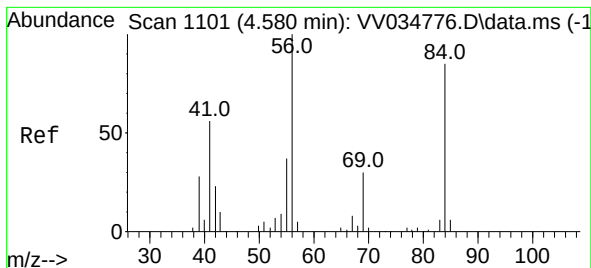
Tgt Ion: 83 Resp: 203744
Ion Ratio Lower Upper
83 100
85 67.2 45.5 84.5



#27
1,2-Dichloroethane
Concen: 57.127 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

Tgt Ion: 62 Resp: 171240
Ion Ratio Lower Upper
62 100
98 8.9 6.6 10.0





#29

Cyclohexane

Concen: 42.248 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Instrument :

MSVOA_V

ClientSampleId :

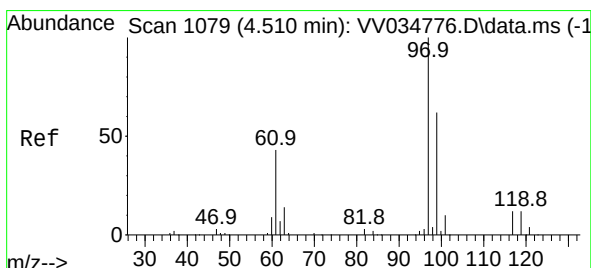
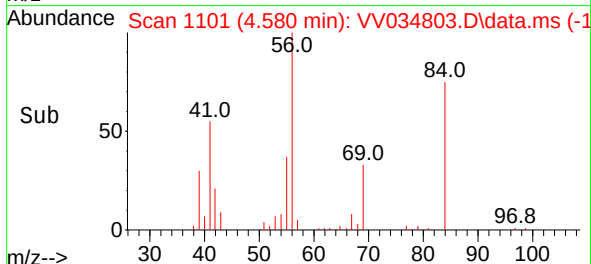
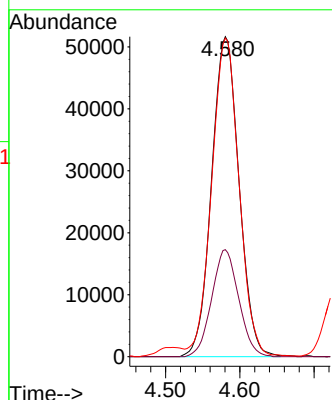
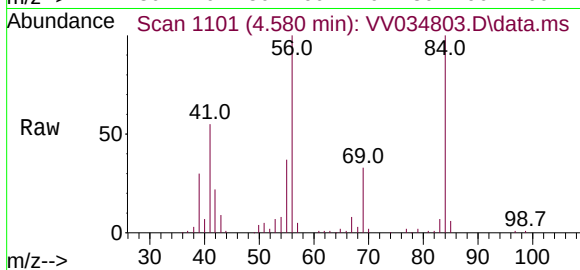
Tgt Ion: 56 Resp: 132636

Ion Ratio Lower Upper

56 100

69 32.9 24.2 36.4

84 97.7 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 56.954 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

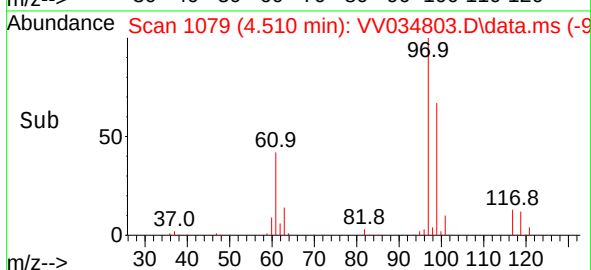
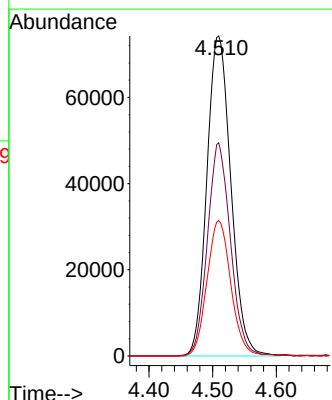
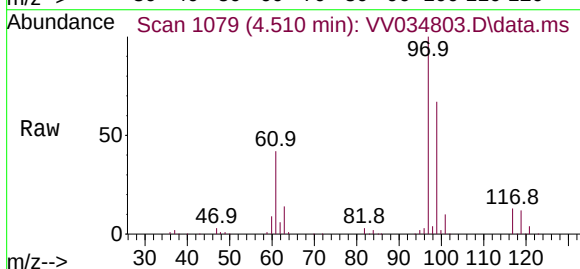
Tgt Ion: 97 Resp: 194935

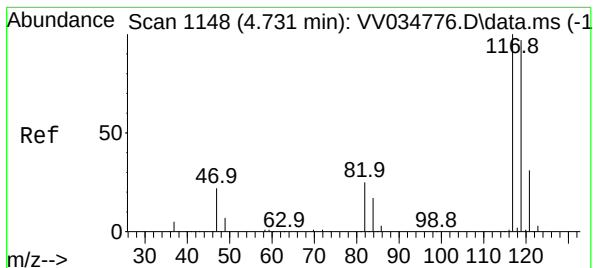
Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 41.9 36.0 54.0





#31

Carbon tetrachloride

Concen: 58.552 ug/L

RT: 4.731 min Scan# 1148

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Instrument :

MSVOA_V

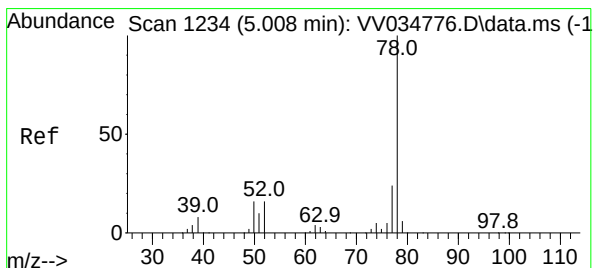
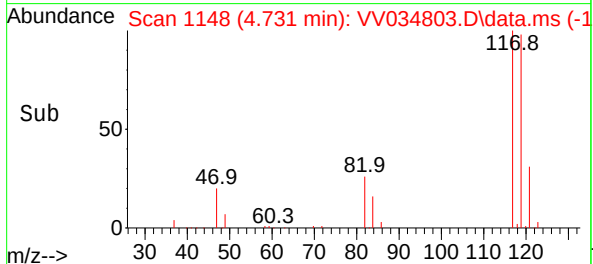
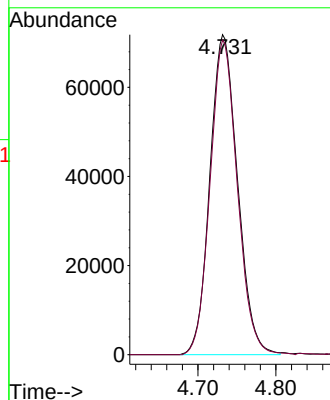
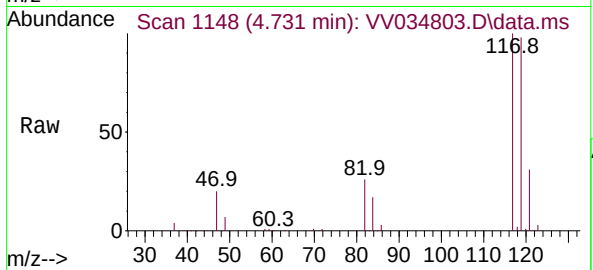
ClientSampleId :

Tgt Ion:117 Resp: 177427

Ion Ratio Lower Upper

117 100

119 96.5 77.5 116.3



#33

Benzene

Concen: 51.112 ug/L

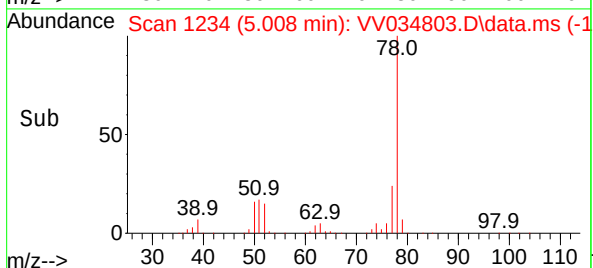
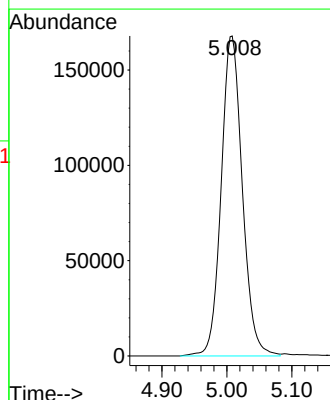
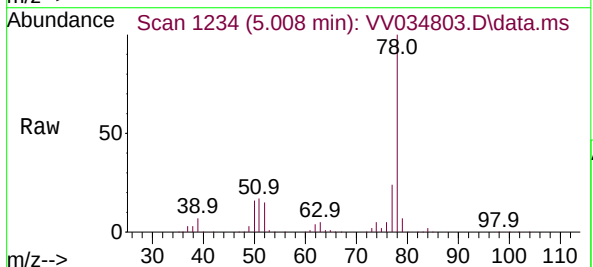
RT: 5.008 min Scan# 1234

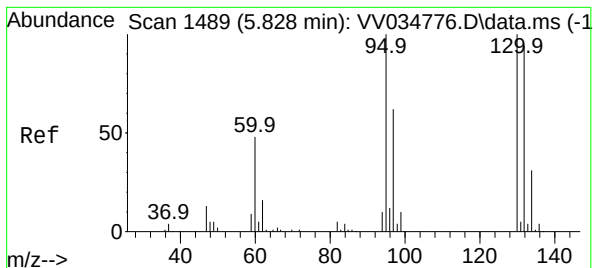
Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Tgt Ion: 78 Resp: 378675





#34

Trichloroethene

Concen: 51.323 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 108084

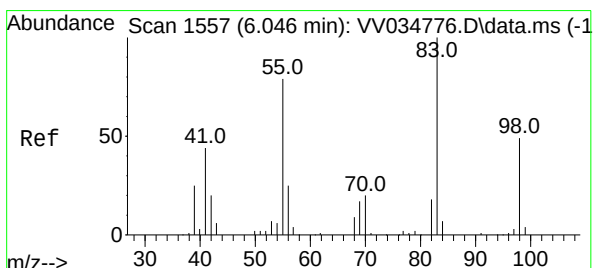
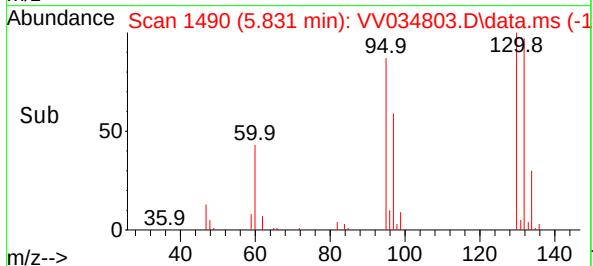
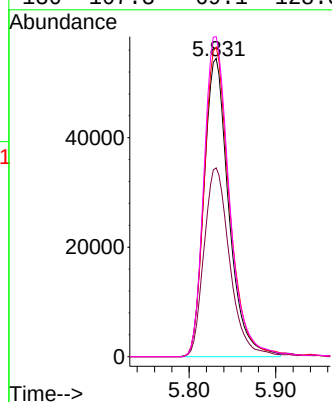
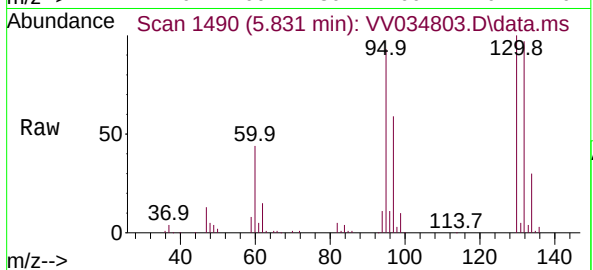
Ion Ratio Lower Upper

95 100

97 63.3 44.7 83.1

132 103.7 65.3 121.3

130 107.3 69.1 128.3



#35

Methylcyclohexane

Concen: 48.430 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

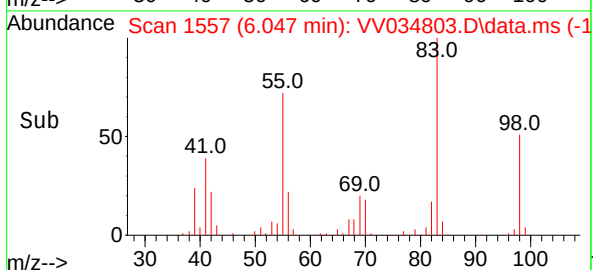
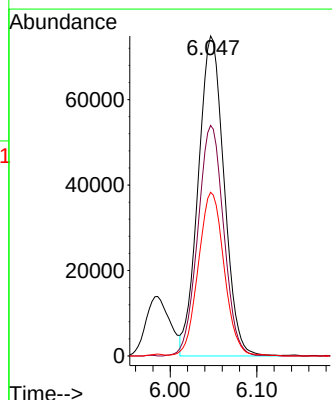
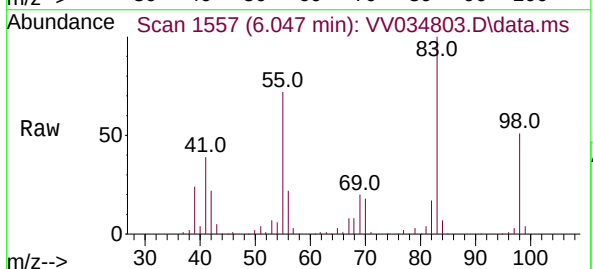
Tgt Ion: 83 Resp: 155052

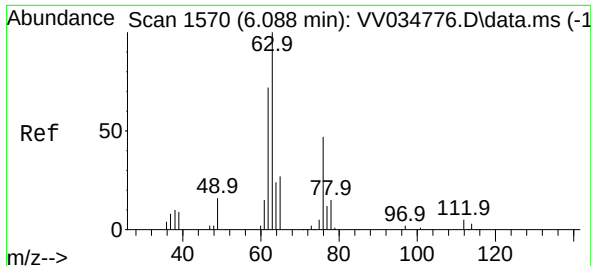
Ion Ratio Lower Upper

83 100

55 72.2 62.6 94.0

98 50.6 39.5 59.3

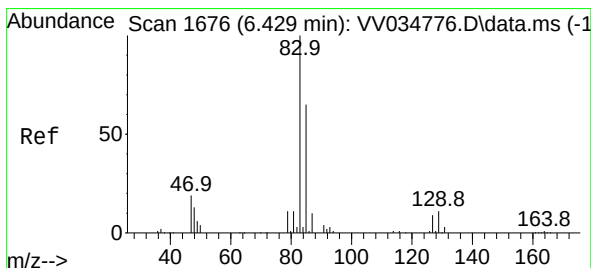
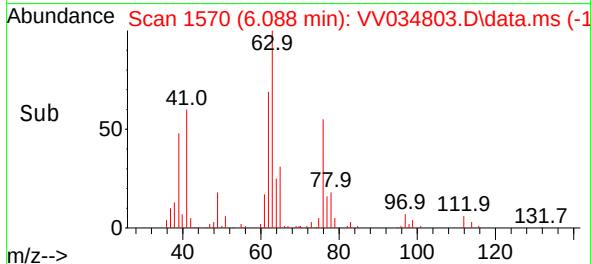
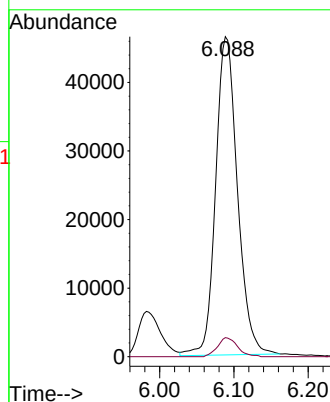
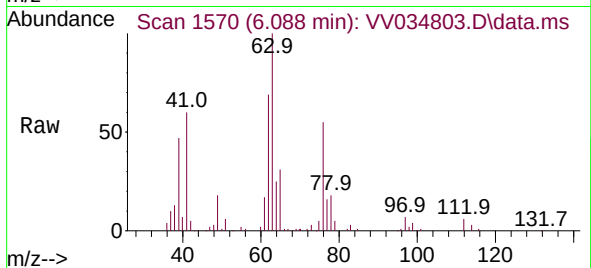




#37
1,2-Dichloropropane
Concen: 48.904 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

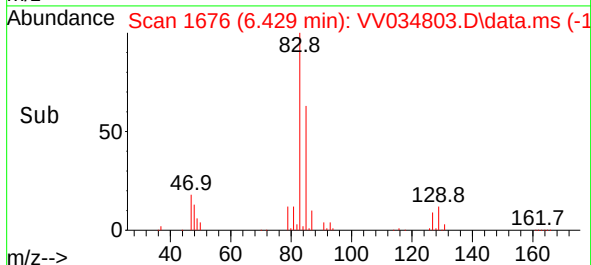
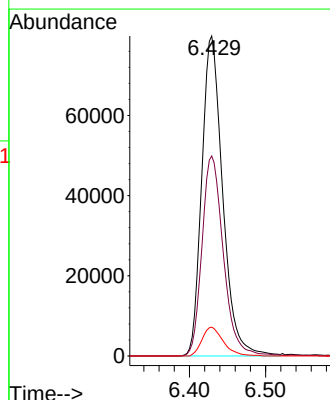
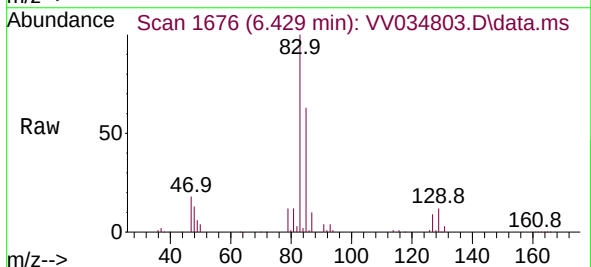
Instrument :
MSVOA_V
ClientSampleId :

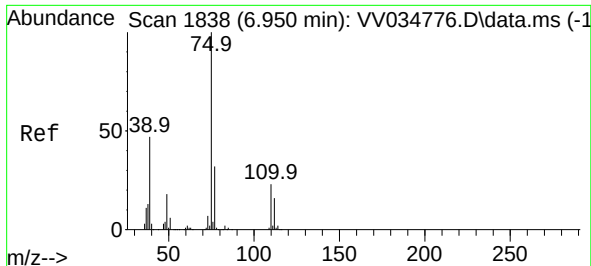
Tgt Ion: 63 Resp: 94857
Ion Ratio Lower Upper
63 100
112 5.4 3.5 5.3#



#38
Bromodichloromethane
Concen: 55.971 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

Tgt Ion: 83 Resp: 152710
Ion Ratio Lower Upper
83 100
85 62.5 44.6 82.8
127 9.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 54.785 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Instrument :

MSVOA_V

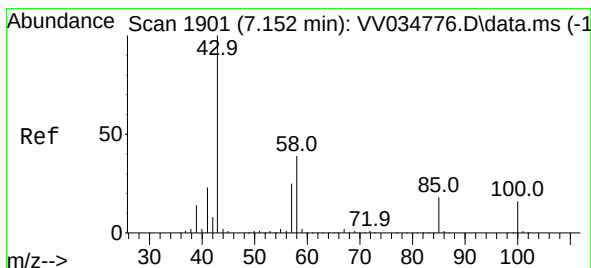
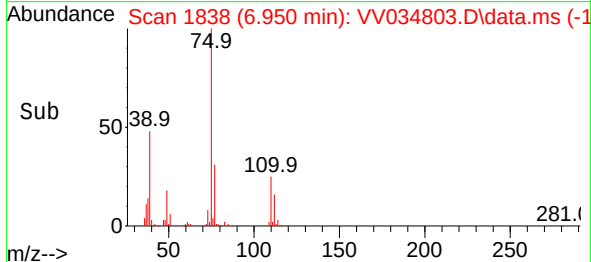
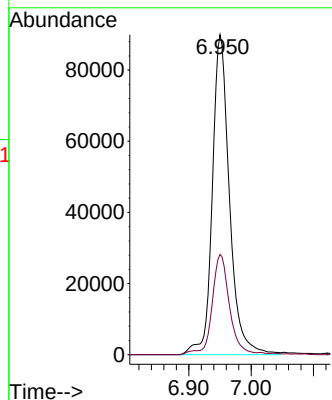
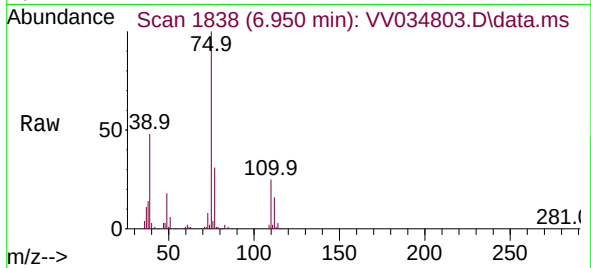
ClientSampleId :

Tgt Ion: 75 Resp: 172169

Ion Ratio Lower Upper

75 100

77 31.3 20.9 38.9



#40

4-Methyl-2-pentanone

Concen: 90.036 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

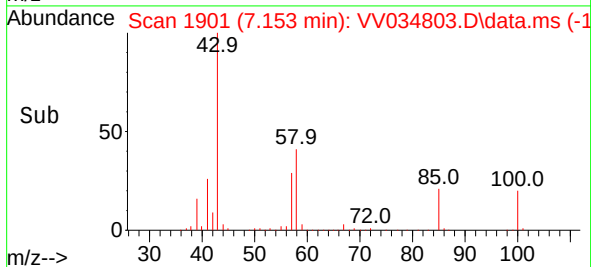
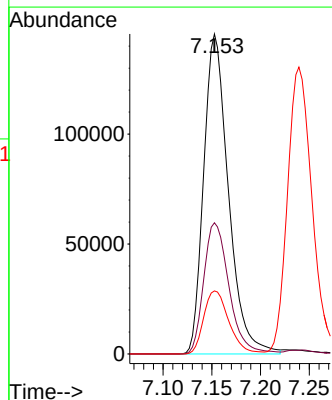
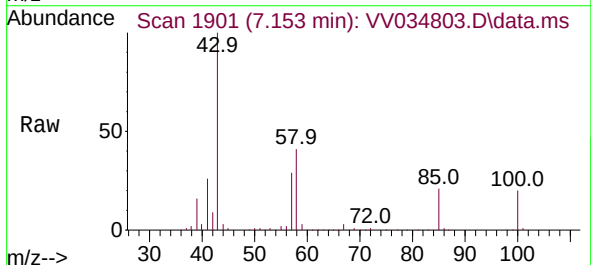
Tgt Ion: 43 Resp: 257516

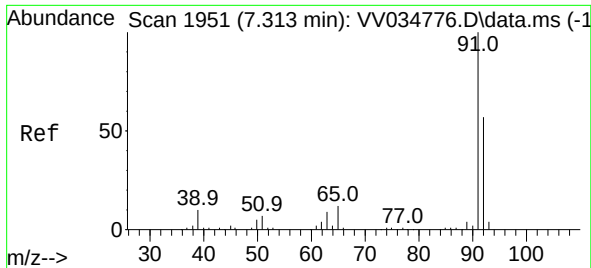
Ion Ratio Lower Upper

43 100

58 41.9 30.6 46.0

100 20.1 12.5 18.7#





#42

Toluene

Concen: 54.019 ug/L

RT: 7.310 min Scan# 1951

Delta R.T. -0.003 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Instrument :

MSVOA_V

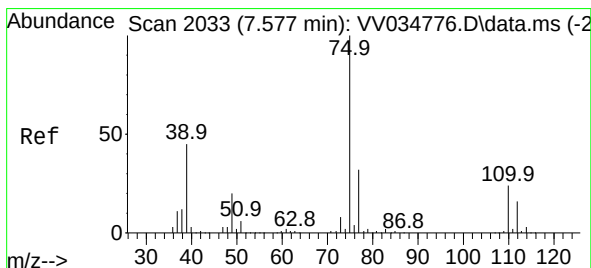
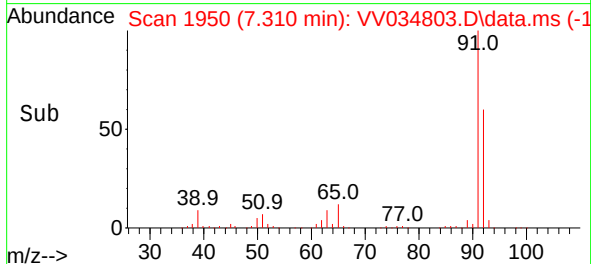
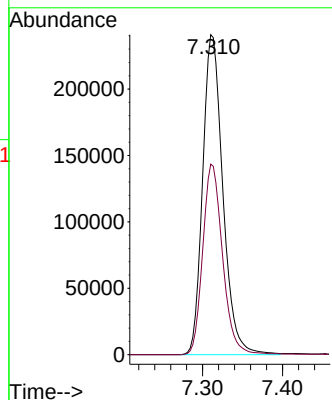
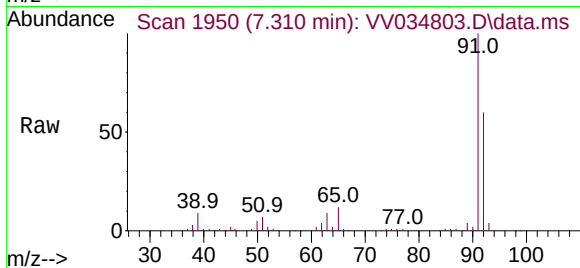
ClientSampleId :

Tgt Ion: 91 Resp: 423562

Ion Ratio Lower Upper

91 100

92 59.6 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 55.276 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV034803.D

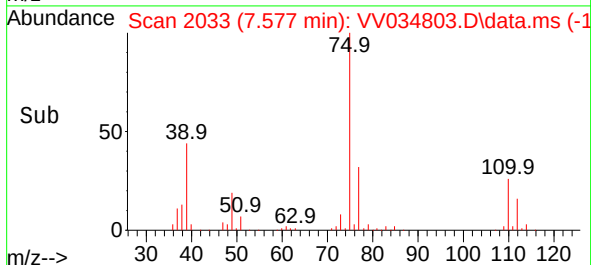
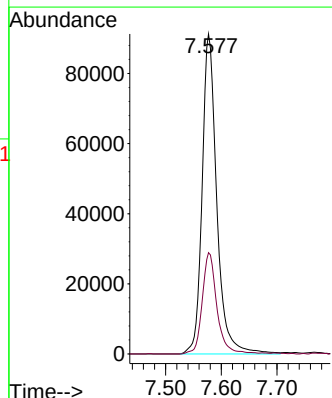
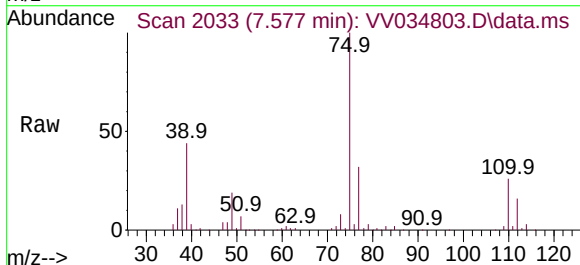
Acq: 22 Mar 2024 08:47

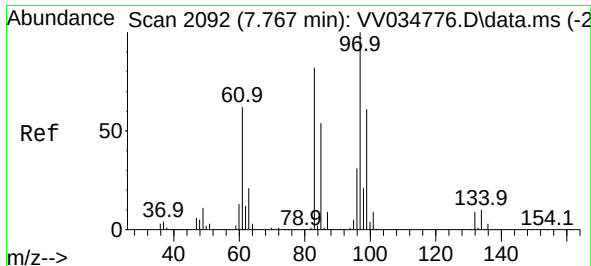
Tgt Ion: 75 Resp: 167072

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 56.319 ug/L

RT: 7.763 min Scan# 2092

Delta R.T. -0.003 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 105401

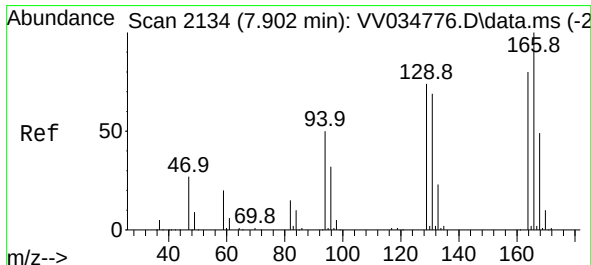
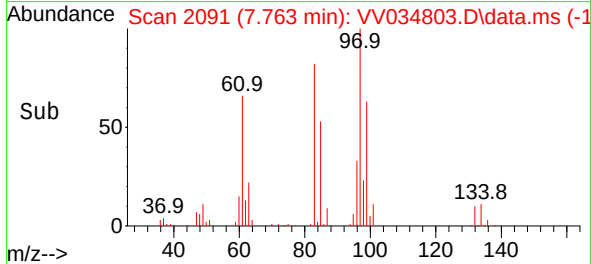
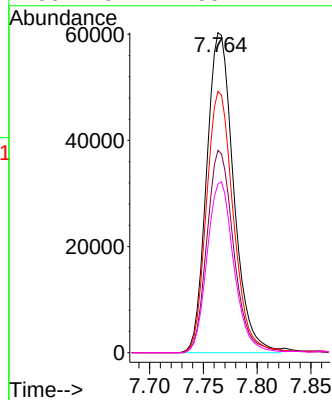
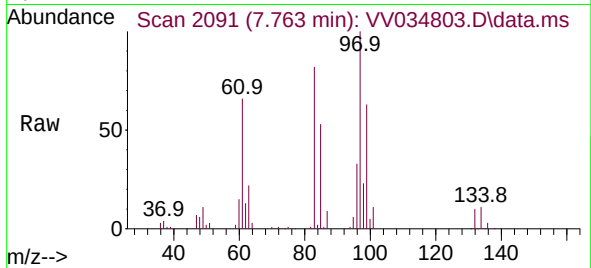
Ion Ratio Lower Upper

97 100

99 63.2 43.8 81.4

83 81.7 59.4 110.2

85 52.7 38.4 71.4



#46

Tetrachloroethene

Concen: 57.413 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Tgt Ion:164 Resp: 89919

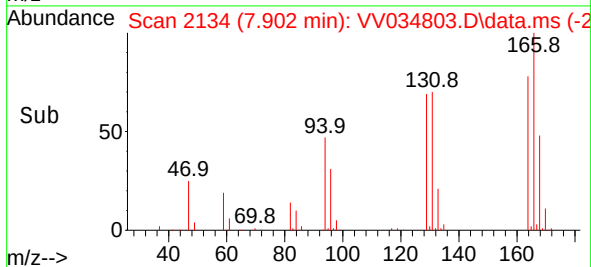
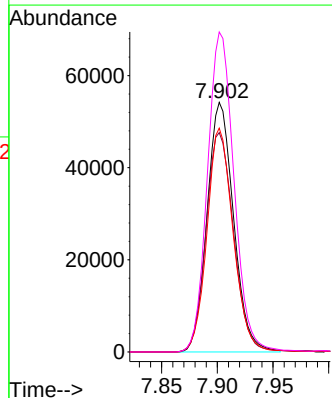
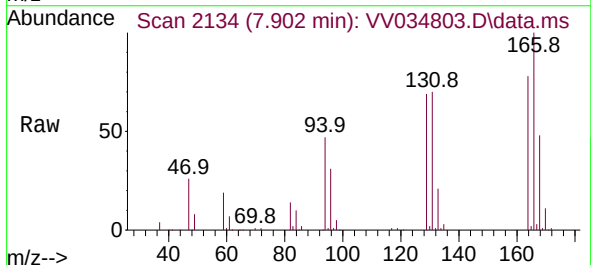
Ion Ratio Lower Upper

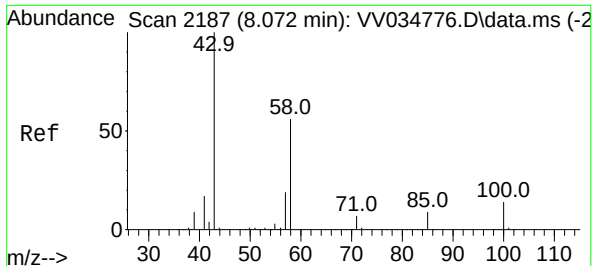
164 100

129 87.9 65.7 121.9

131 89.7 62.2 115.6

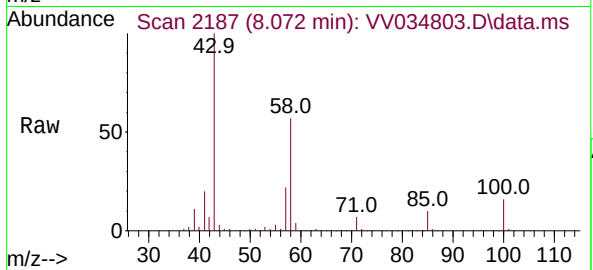
166 128.2 89.7 166.7



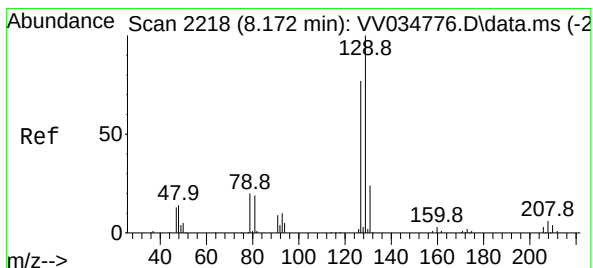
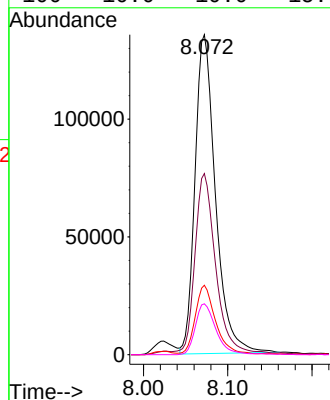
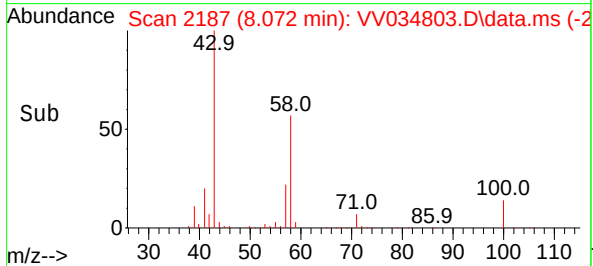


#48
2-Hexanone
Concen: 100.601 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

Instrument :
MSVOA_V
ClientSampleId :

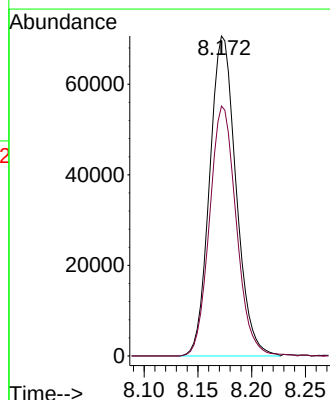
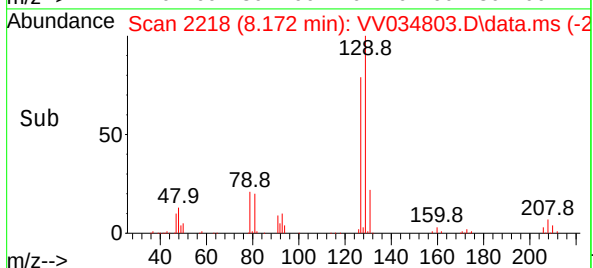
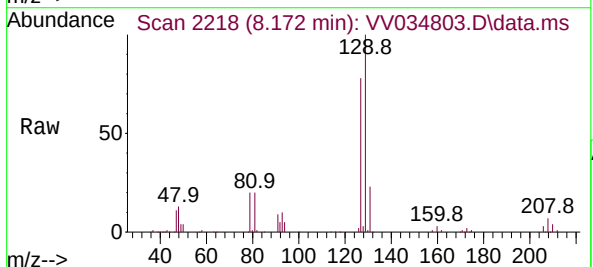


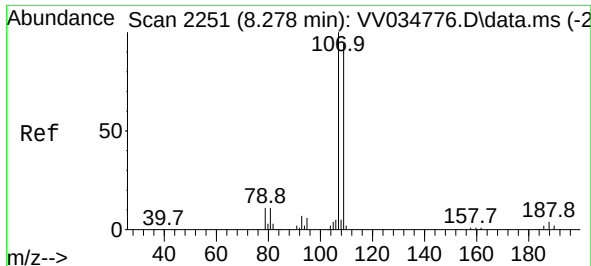
Tgt Ion: 43 Resp: 229280
Ion Ratio Lower Upper
43 100
58 55.4 42.0 63.0
57 21.8 15.2 22.8
100 16.0 10.0 15.0#



#49
Dibromochloromethane
Concen: 61.257 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

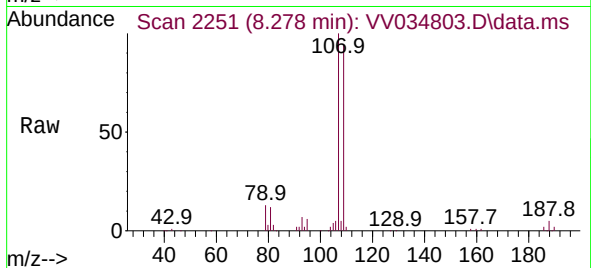
Tgt Ion:129 Resp: 120980
Ion Ratio Lower Upper
129 100
127 78.1 53.3 98.9



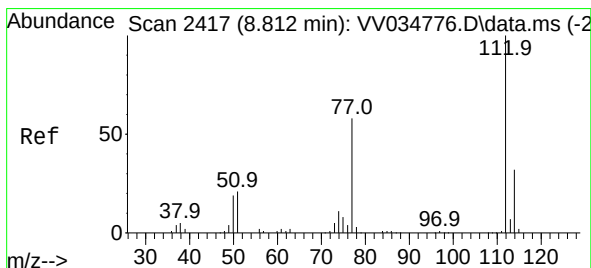
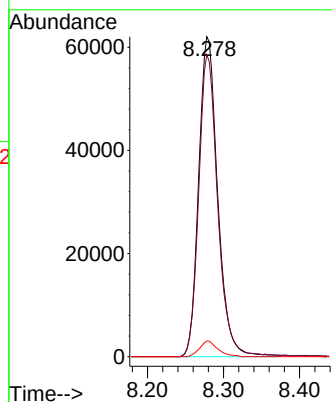
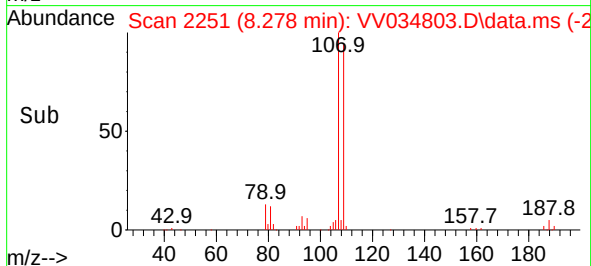


#50
1,2-Dibromoethane
Concen: 54.240 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

Instrument :
MSVOA_V
ClientSampleId :

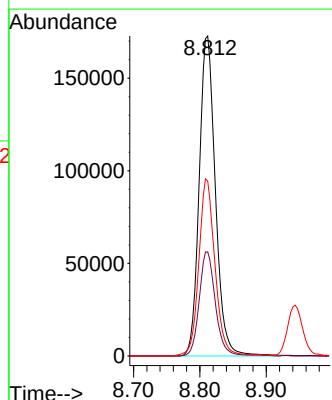
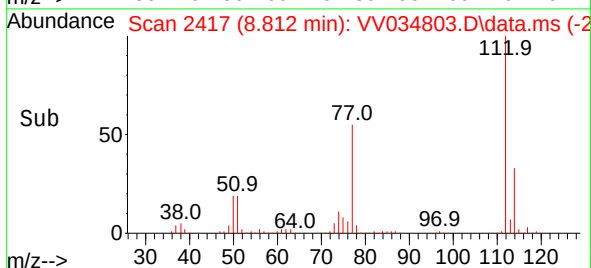
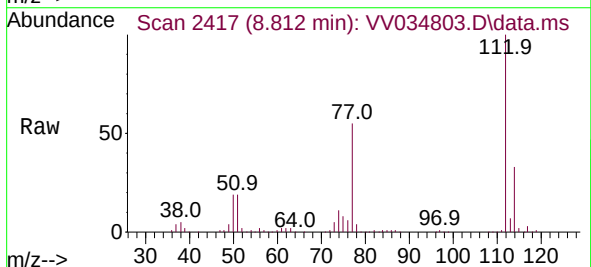


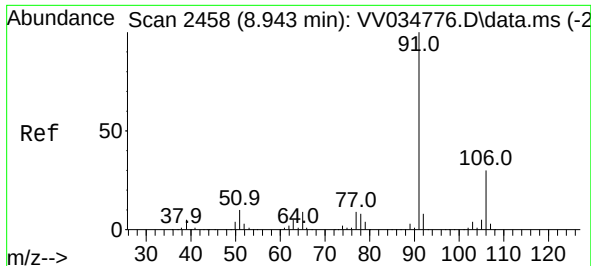
Tgt Ion:107 Resp: 107719
Ion Ratio Lower Upper
107 100
109 94.4 66.5 123.5
188 4.9 3.4 5.2



#51
Chlorobenzene
Concen: 57.844 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

Tgt Ion:112 Resp: 293210
Ion Ratio Lower Upper
112 100
114 32.5 22.3 41.5
77 54.7 47.7 71.5





#52

Ethylbenzene

Concen: 56.380 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Instrument :

MSVOA_V

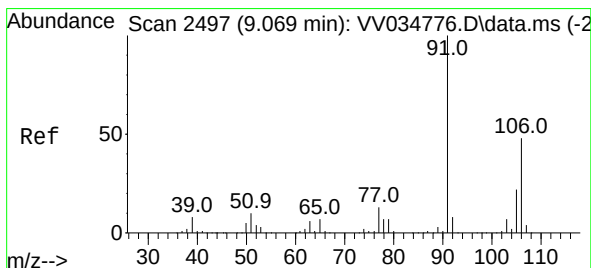
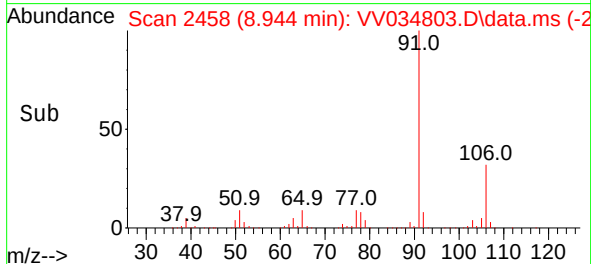
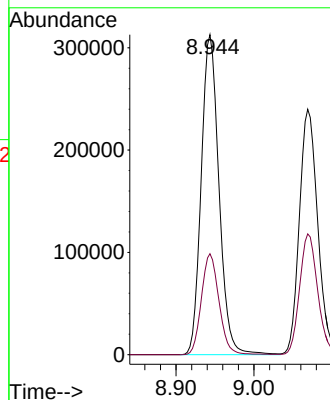
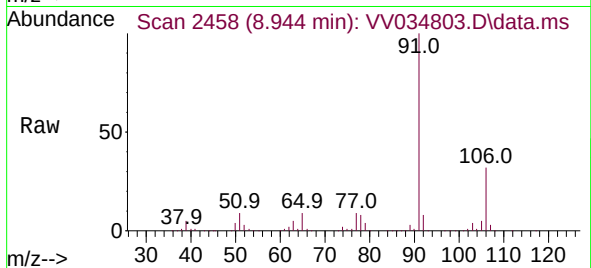
ClientSampleId :

Tgt Ion: 91 Resp: 495338

Ion Ratio Lower Upper

91 100

106 31.6 21.3 39.5



#53

m,p-Xylene

Concen: 56.959 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV034803.D

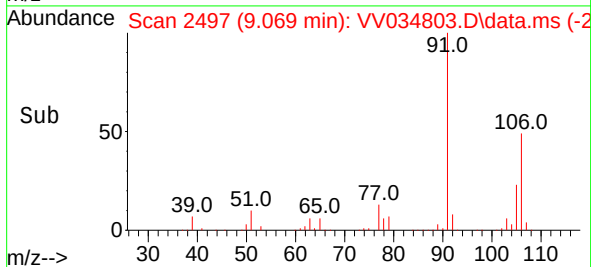
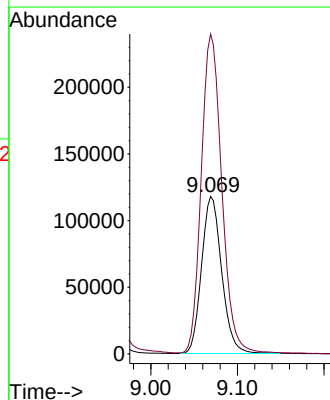
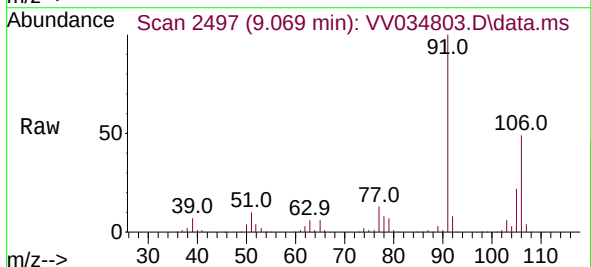
Acq: 22 Mar 2024 08:47

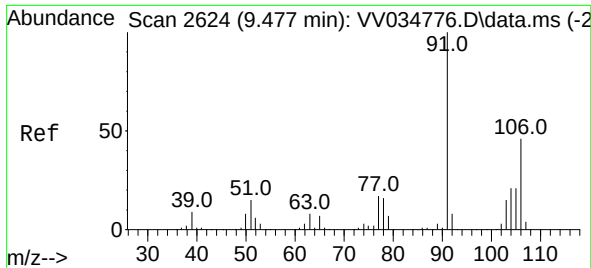
Tgt Ion:106 Resp: 189898

Ion Ratio Lower Upper

106 100

91 203.1 145.3 269.9

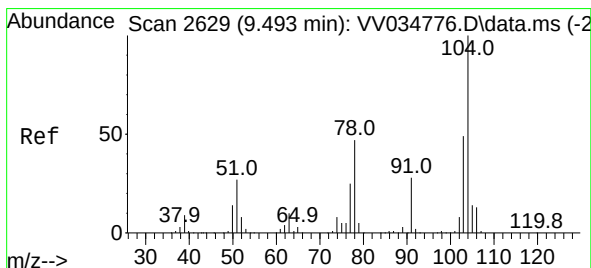
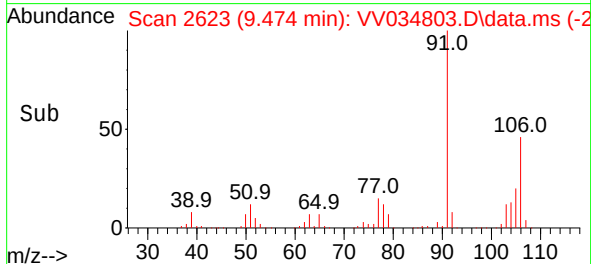
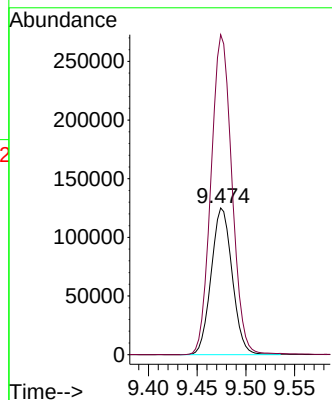
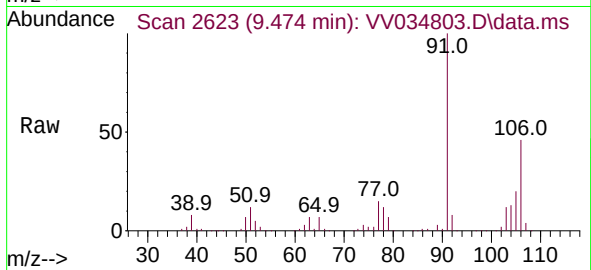




#54
o-Xylene
Concen: 57.521 ug/L
RT: 9.474 min Scan# 2624
Delta R.T. -0.003 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

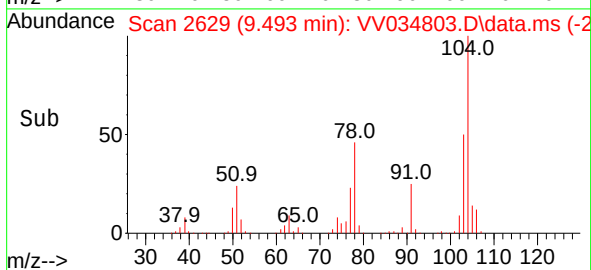
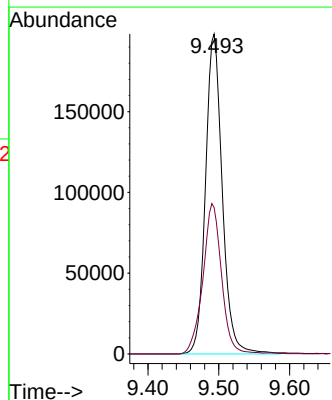
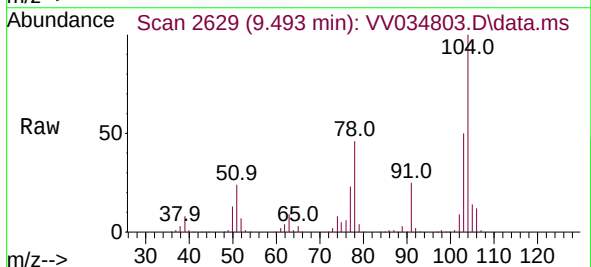
Instrument :
MSVOA_V
ClientSampleId :

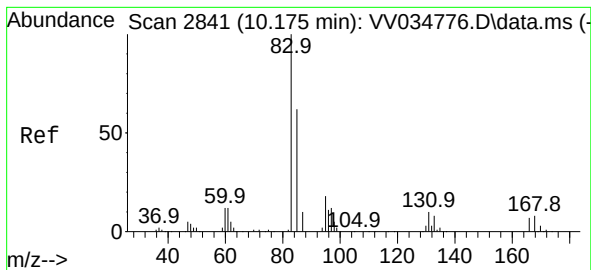
Tgt Ion:106 Resp: 187789
Ion Ratio Lower Upper
106 100
91 218.2 152.2 282.7



#55
Styrene
Concen: 58.985 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

Tgt Ion:104 Resp: 326042
Ion Ratio Lower Upper
104 100
78 45.8 33.0 61.4

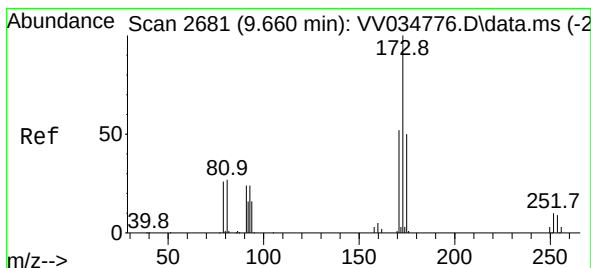
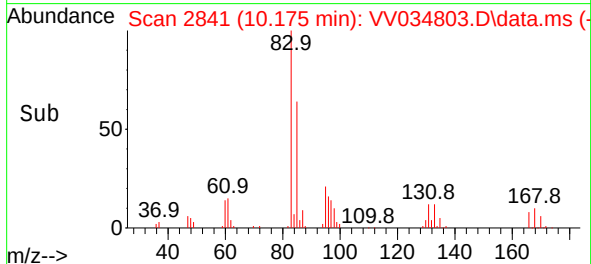
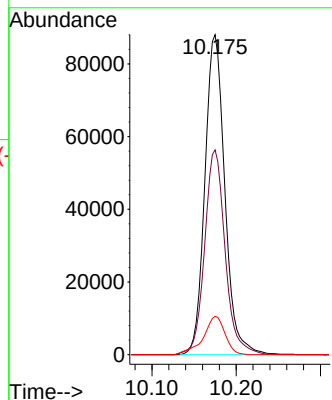
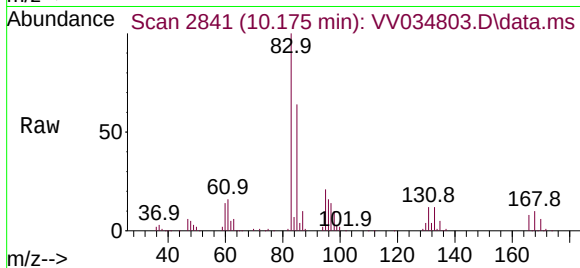




#57
1,1,2,2-Tetrachloroethane
Concen: 51.667 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

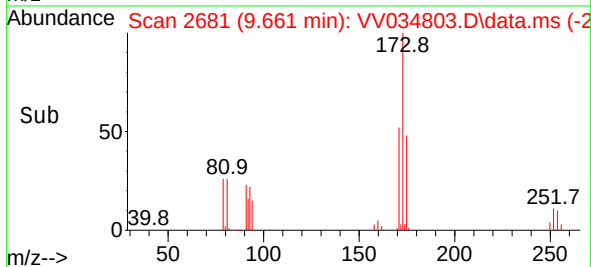
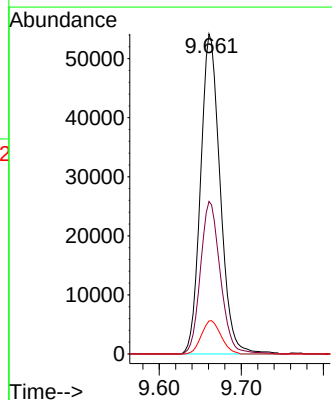
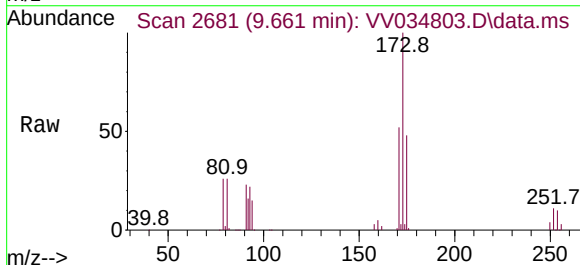
Instrument :
MSVOA_V
ClientSampleId :

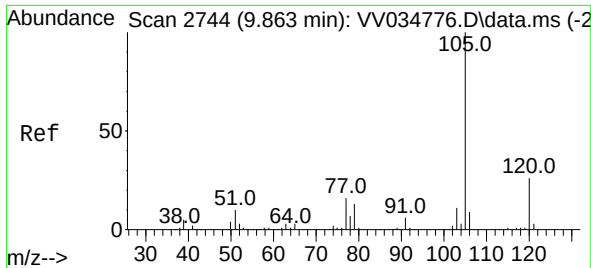
Tgt Ion: 83 Resp: 145233
Ion Ratio Lower Upper
83 100
85 64.0 45.4 84.2
131 12.0 8.3 12.5



#59
Bromoform
Concen: 61.361 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

Tgt Ion:173 Resp: 89625
Ion Ratio Lower Upper
173 100
175 48.4 39.1 58.7
254 10.4 7.8 11.8

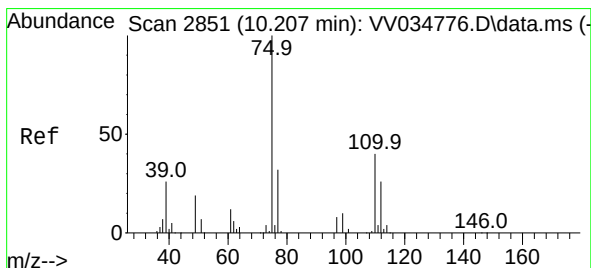
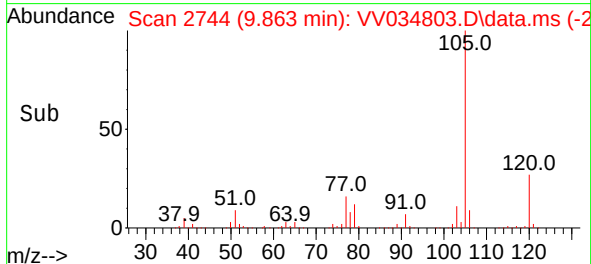
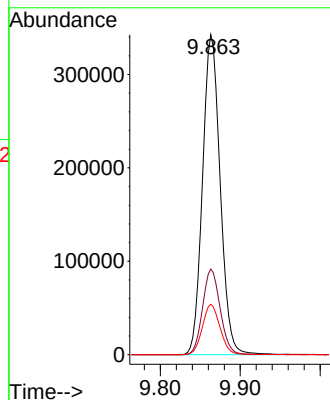
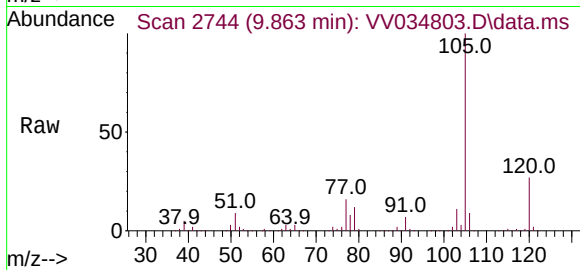




#60
Isopropylbenzene
Concen: 56.533 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

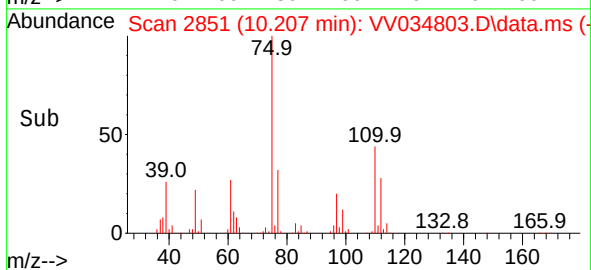
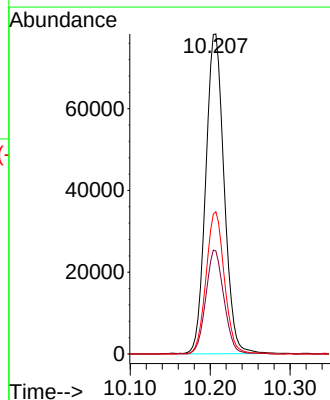
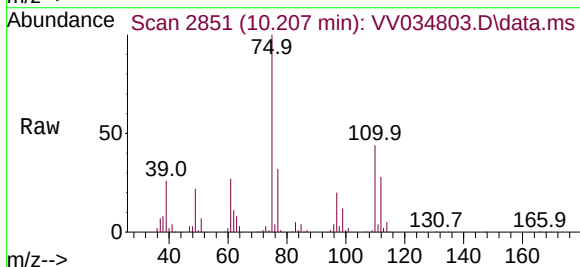
Instrument :
MSVOA_V
ClientSampleId :

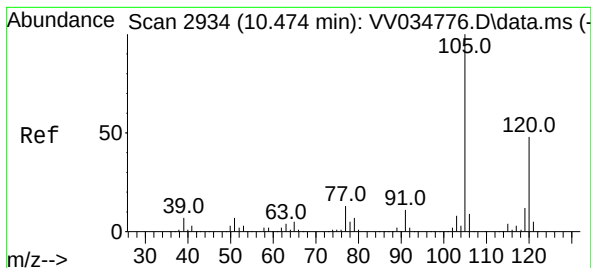
Tgt Ion:105 Resp: 526738
Ion Ratio Lower Upper
105 100
120 26.7 20.8 31.2
77 15.7 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 49.821 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

Tgt Ion: 75 Resp: 125288
Ion Ratio Lower Upper
75 100
77 31.9 25.9 38.9
110 44.3 33.1 49.7





#62

1,3,5-Trimethylbenzene

Concen: 57.322 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Instrument :

MSVOA_V

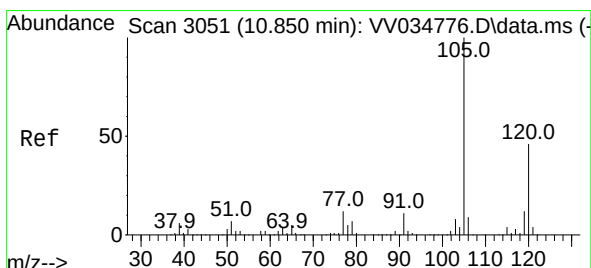
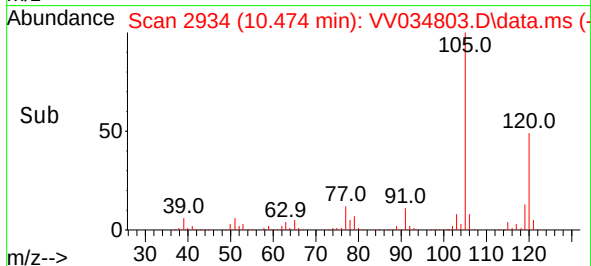
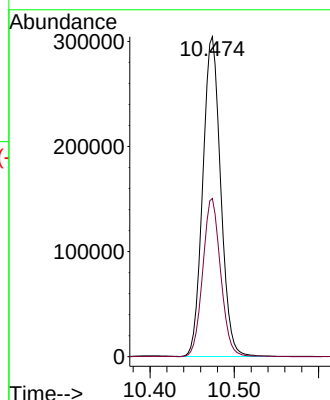
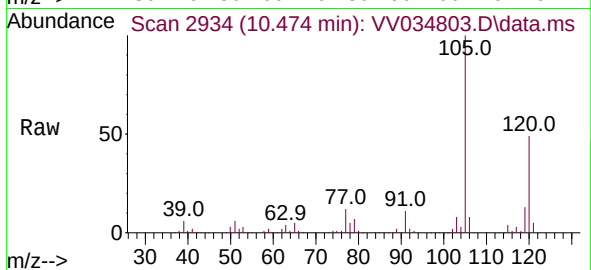
ClientSampleId :

Tgt Ion:105 Resp: 450534

Ion Ratio Lower Upper

105 100

120 49.6 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 58.266 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV034803.D

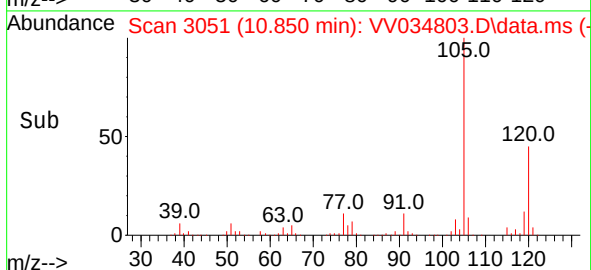
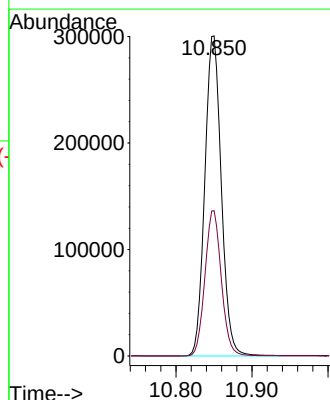
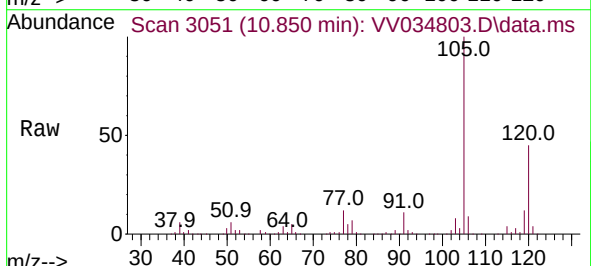
Acq: 22 Mar 2024 08:47

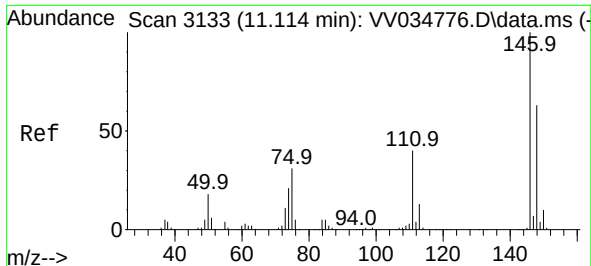
Tgt Ion:105 Resp: 452927

Ion Ratio Lower Upper

105 100

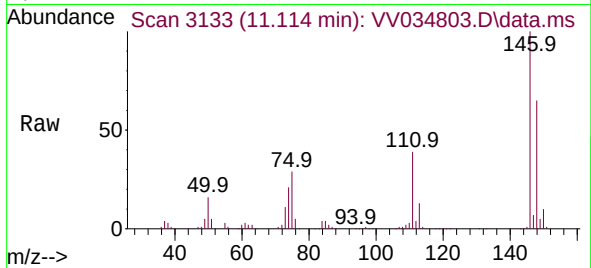
120 45.1 36.2 54.4



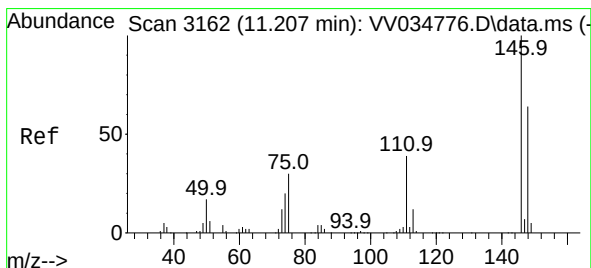
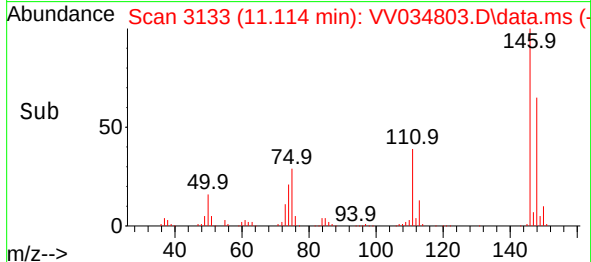
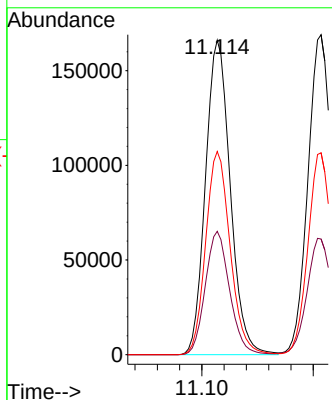


#64
1,3-Dichlorobenzene
Concen: 59.634 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

Instrument :
MSVOA_V
ClientSampleId :

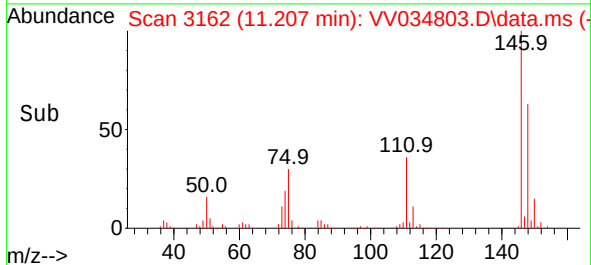
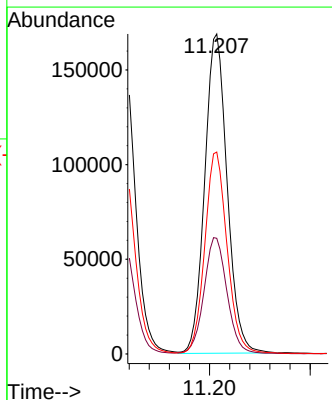
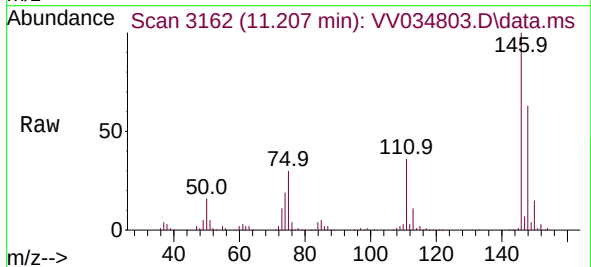


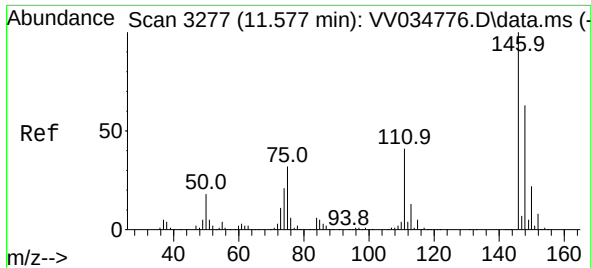
Tgt Ion:146 Resp: 256901
Ion Ratio Lower Upper
146 100
111 39.2 27.9 51.7
148 64.6 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 59.734 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV034803.D
Acq: 22 Mar 2024 08:47

Tgt Ion:146 Resp: 261322
Ion Ratio Lower Upper
146 100
111 36.1 26.5 49.1
148 63.1 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 59.212 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Instrument :

MSVOA_V

ClientSampleId :

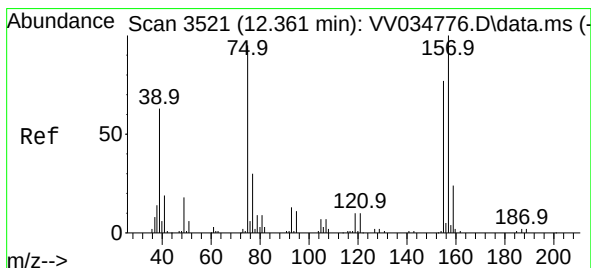
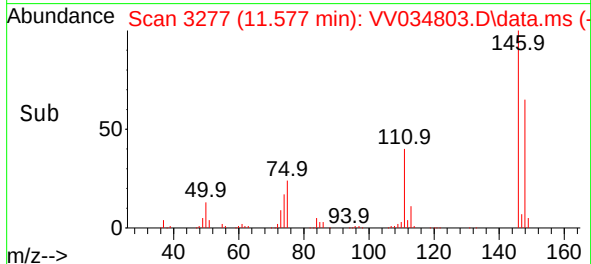
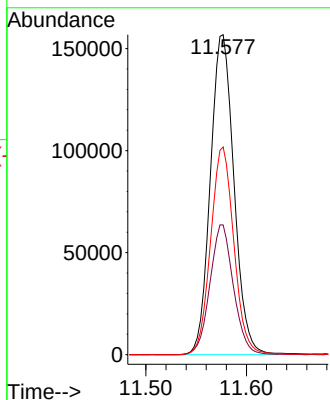
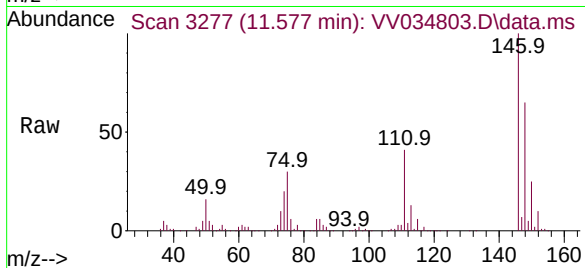
Tgt Ion:146 Resp: 255606

Ion Ratio Lower Upper

146 100

111 40.6 33.8 50.8

148 64.9 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 50.024 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

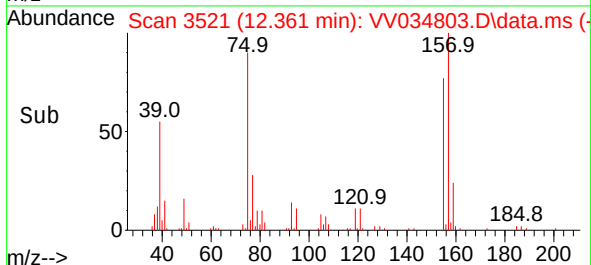
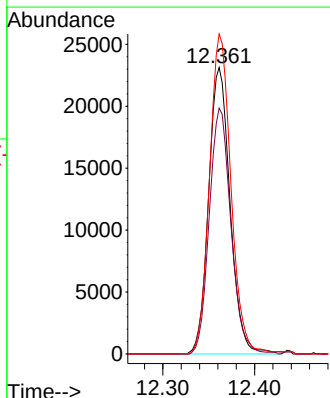
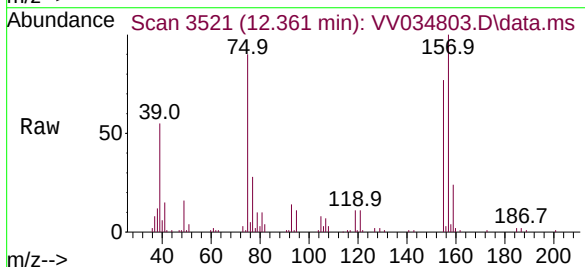
Tgt Ion: 75 Resp: 37474

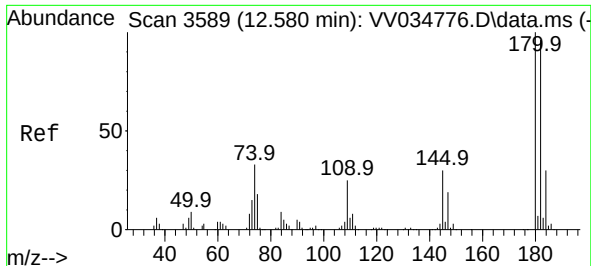
Ion Ratio Lower Upper

75 100

155 85.9 63.3 94.9

157 111.7 81.4 122.0





#69

1,3,5-Trichlorobenzene

Concen: 60.917 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

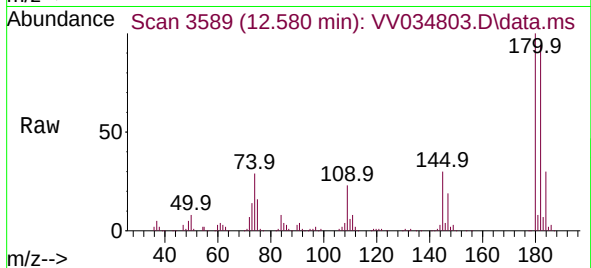
Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 196870

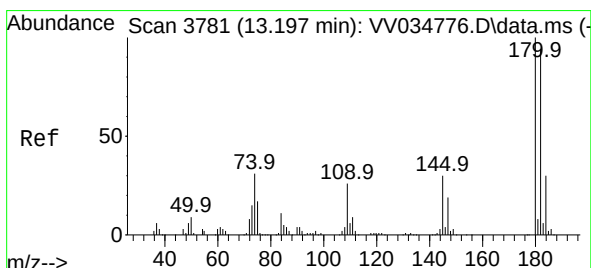
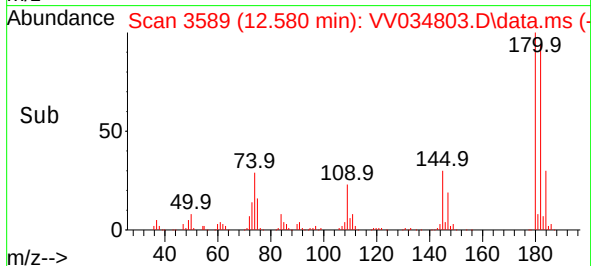
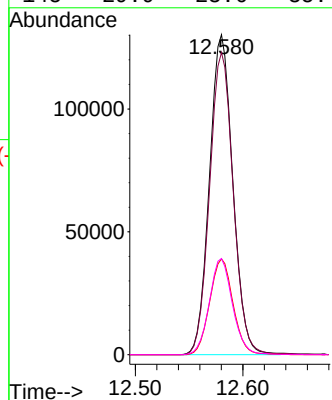
Ion Ratio Lower Upper

180 100

182 95.2 74.6 112.0

184 29.8 23.6 35.4

145 29.9 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 60.143 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.003 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

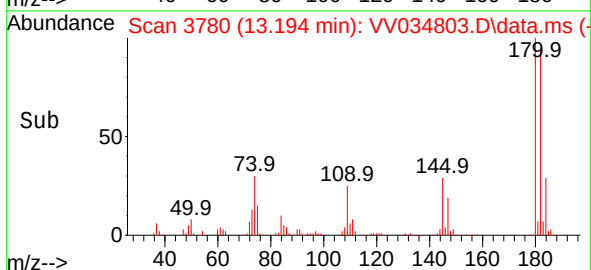
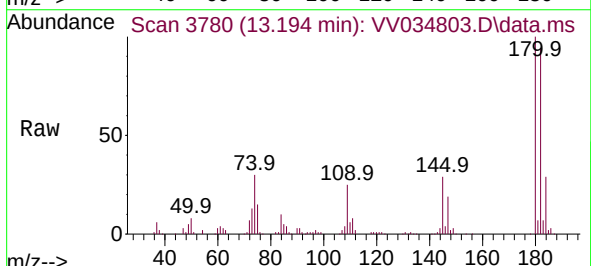
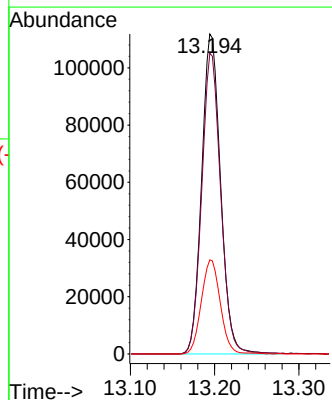
Tgt Ion:180 Resp: 174896

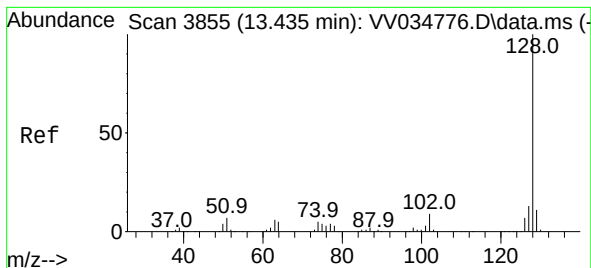
Ion Ratio Lower Upper

180 100

182 94.1 74.8 112.2

145 29.5 24.2 36.4





#71

Naphthalene

Concen: 44.832 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Instrument :

MSVOA_V

ClientSampleId :

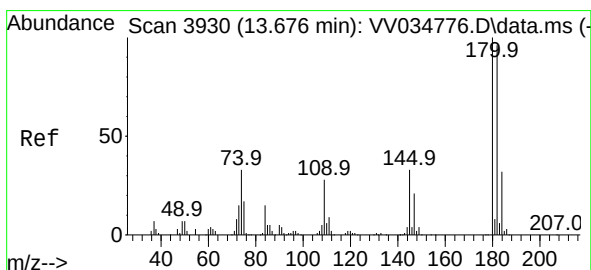
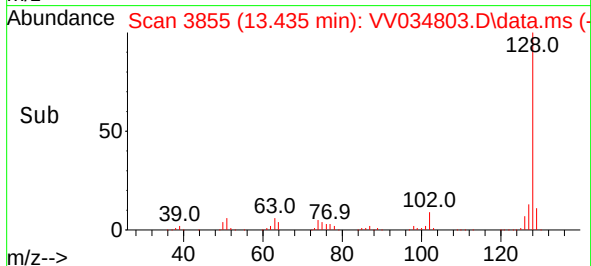
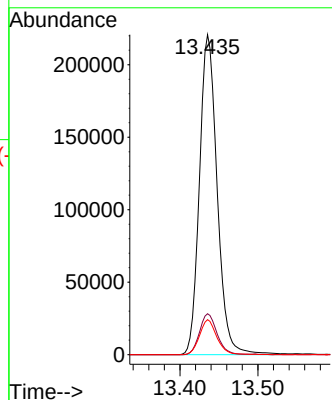
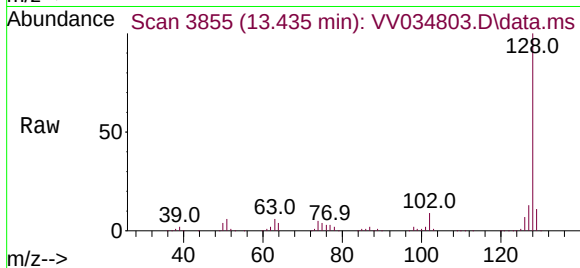
Tgt Ion:128 Resp: 348733

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 57.005 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV034803.D

Acq: 22 Mar 2024 08:47

Tgt Ion:180 Resp: 161715

Ion Ratio Lower Upper

180 100

182 95.4 75.9 113.9

145 31.2 25.5 38.3

