

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032024\
 Data File : VV034772.D
 Acq On : 20 Mar 2024 18:55
 Operator : SY/MD
 Sample : P1755-20MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 21 02:22:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 21 02:16:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	344589	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	324903	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	170331	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	131450	44.004	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.000%		
7) Chloroethane-d5	1.532	69	108094	46.447	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.900%		
11) 1,1-Dichloroethene-d2	2.060	65	52725	39.028	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.060%		
21) 2-Butanone-d5	3.789	46	199810	100.021	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.020%		
24) Chloroform-d	4.249	84	255169	48.312	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.620%		
26) 1,2-Dichloroethane-d4	4.941	65	167879	48.640	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.280%		
32) Benzene-d6	4.960	84	477661	48.713	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.420%		
36) 1,2-Dichloropropane-d6	5.989	67	145439	48.601	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.200%		
41) Toluene-d8	7.243	98	436921	49.238	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.480%		
43) trans-1,3-Dichloroprop...	7.551	79	71081	47.301	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.600%		
47) 2-Hexanone-d5	8.024	63	125339	83.877	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	83.880%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	202166	51.336	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.680%		
66) 1,2-Dichlorobenzene-d4	11.558	152	169405	48.657	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	147706	40.865	ug/L	99
3) Chloromethane	1.214	50	138784	39.076	ug/L	97
5) Vinyl chloride	1.282	62	144248	41.840	ug/L	98
6) Bromomethane	1.487	94	86714	41.921	ug/L	98
8) Chloroethane	1.548	64	90921	44.370	ug/L	99
9) Trichlorofluoromethane	1.712	101	227847	44.132	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	109476	39.343	ug/L	99
13) Acetone	2.121	43	788541	328.350	ug/L	99
14) Carbon disulfide	2.240	76	277277	38.720	ug/L	100
15) Methyl Acetate	2.372	43	161471	52.556	ug/L #	87
16) Methylene chloride	2.445	84	137620	50.281	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	117975	47.239	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	476798	53.163	ug/L	99
19) 1,1-Dichloroethane	3.111	63	293024	59.895	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	172447	63.641	ug/L	93
22) 2-Butanone	3.873	43	216514	91.300	ug/L	95
23) Bromochloromethane	4.146	128	71835	51.268	ug/L	96
25) Chloroform	4.275	83	258269	50.933	ug/L	98
27) 1,2-Dichloroethane	5.040	62	204416	49.617	ug/L	98

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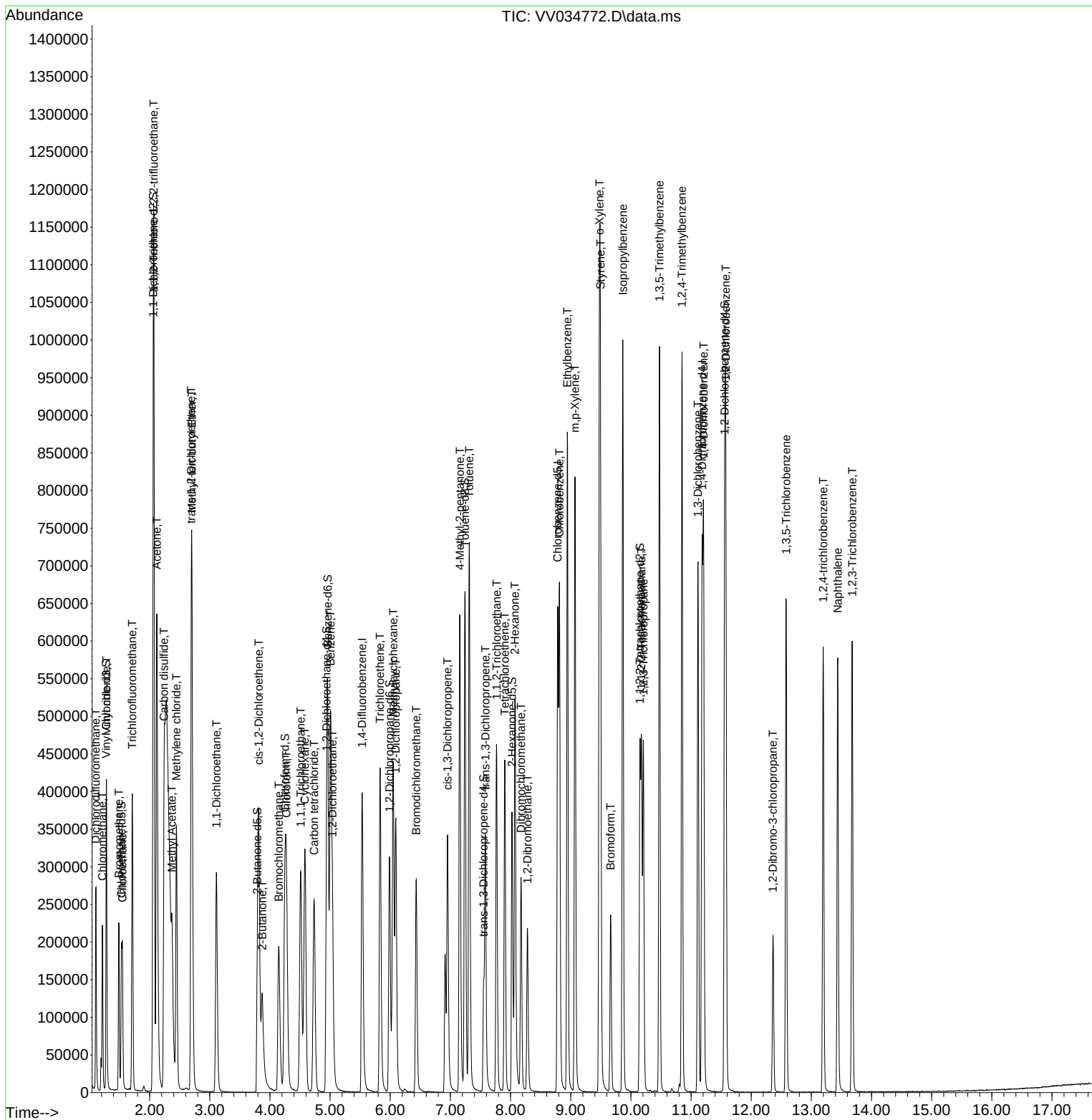
Instrument :
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 ClientSampleId :

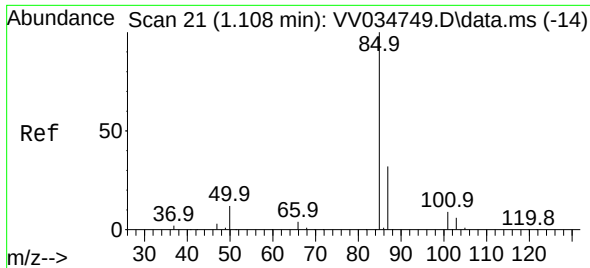
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.580	56	182458	42.695	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	242595	52.070	ug/L	100
31) Carbon tetrachloride	4.735	117	198040	48.011	ug/L	98
33) Benzene	5.008	78	497275	49.309	ug/L	100
34) Trichloroethene	5.831	95	151580	52.876	ug/L	98
35) Methylcyclohexane	6.050	83	187155	42.944	ug/L	99
37) 1,2-Dichloropropane	6.092	63	135864	51.457	ug/L	99
38) Bromodichloromethane	6.432	83	188464	50.745	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	200841	46.949	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	422193	108.440	ug/L	98
42) Toluene	7.313	91	526519	49.330	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	197457	47.993	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	137663	54.037	ug/L	98
46) Tetrachloroethene	7.905	164	97181	45.583	ug/L	97
48) 2-Hexanone	8.072	43	338876	109.231	ug/L	98
49) Dibromochloromethane	8.175	129	141917	52.789	ug/L	97
50) 1,2-Dibromoethane	8.281	107	140052	51.807	ug/L	97
51) Chlorobenzene	8.812	112	342291	49.606	ug/L	99
52) Ethylbenzene	8.944	91	594514	49.711	ug/L	100
53) m,p-Xylene	9.072	106	220226	48.526	ug/L	98
54) o-Xylene	9.477	106	223200	50.225	ug/L	99
55) Styrene	9.493	104	387387	51.485	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	213903	55.902	ug/L	96
59) Bromoform	9.664	173	100731	53.340	ug/L	100
60) Isopropylbenzene	9.866	105	611340	50.748	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	177319	54.536	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	505918	49.786	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	507742	50.519	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	278666	50.031	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	288816	51.061	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	295064	52.867	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	53158	54.884	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	192434	46.054	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	171762	45.684	ug/L	98
71) Naphthalene	13.439	128	440876	43.837	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	177181	48.307	ug/L	100

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

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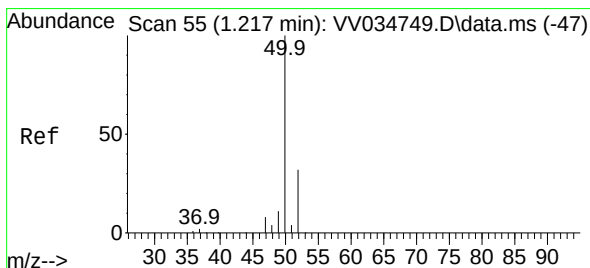
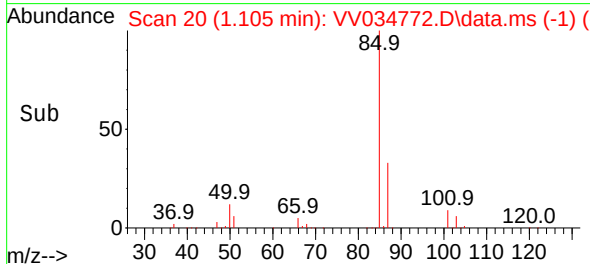
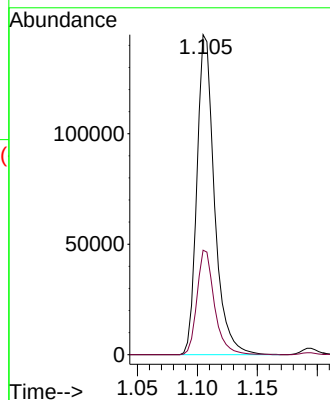
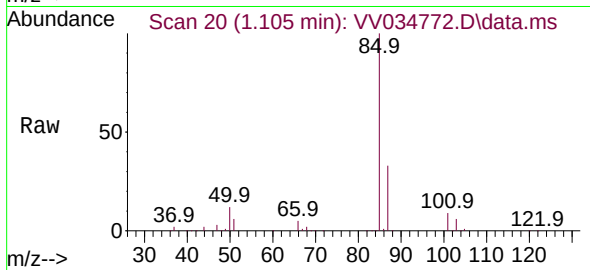




#2
 Dichlorodifluoromethane
 Concen: 40.865 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV034772.D
 Acq: 20 Mar 2024 18:55

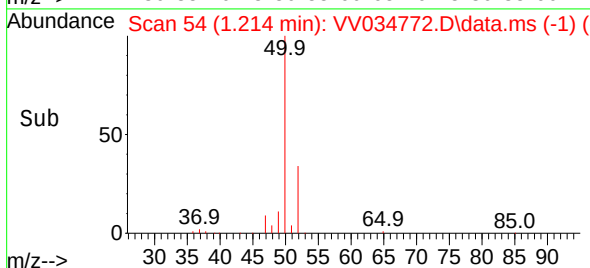
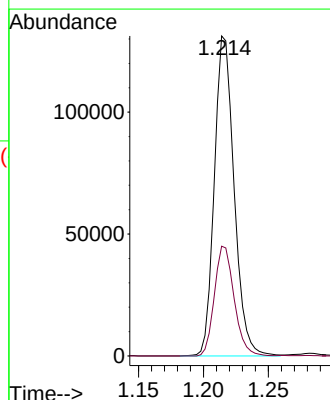
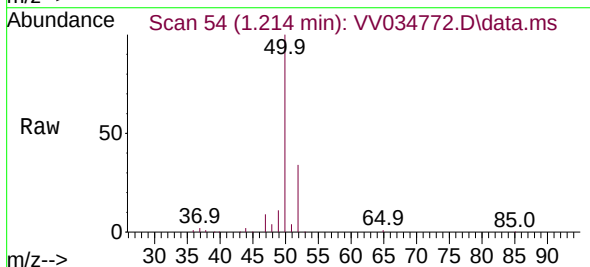
Instrument :
 MSVOA_V
 ClientSampleId :

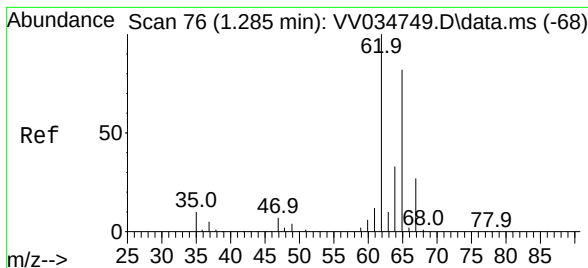
Tgt Ion: 85 Resp: 147706
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.5 38.3



#3
 Chloromethane
 Concen: 39.076 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV034772.D
 Acq: 20 Mar 2024 18:55

Tgt Ion: 50 Resp: 138784
 Ion Ratio Lower Upper
 50 100
 52 34.3 23.0 42.8





#5

Vinyl chloride

Concen: 41.840 ug/L

RT: 1.282 min Scan# 74

Delta R.T. -0.003 min MSVOA_V

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

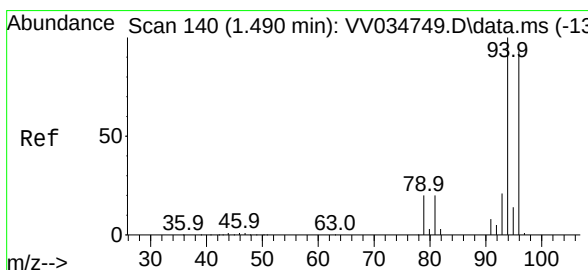
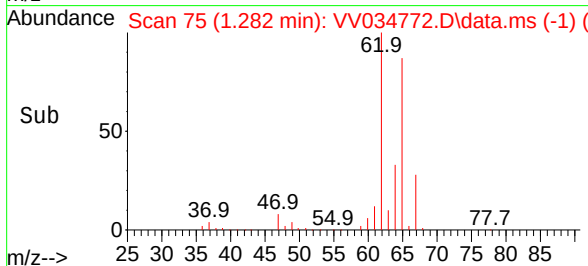
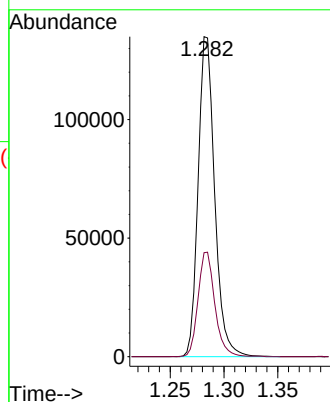
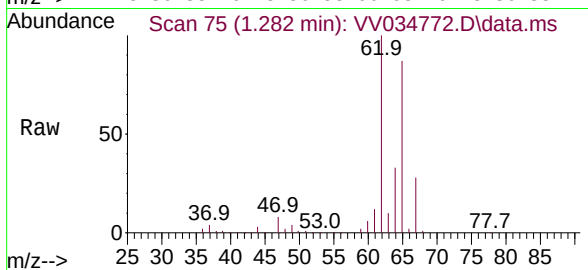
ClientSampleId :

Tgt Ion: 62 Resp: 144248

Ion Ratio Lower Upper

62 100

64 32.5 23.4 43.6



#6

Bromomethane

Concen: 41.921 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.003 min

Lab File: VV034772.D

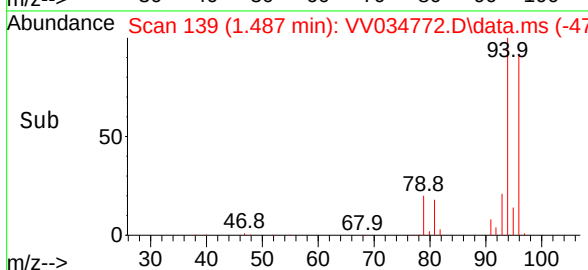
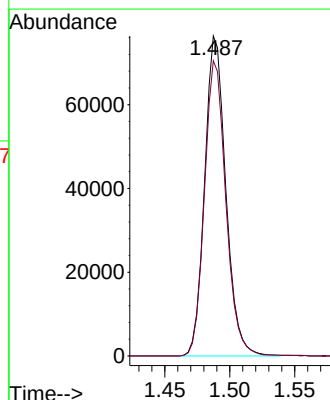
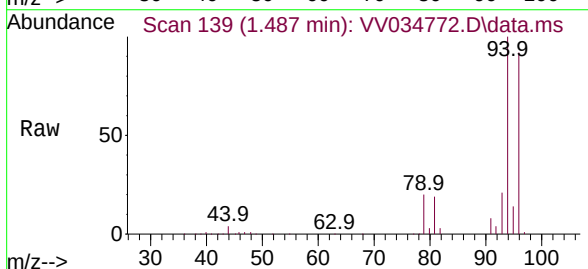
Acq: 20 Mar 2024 18:55

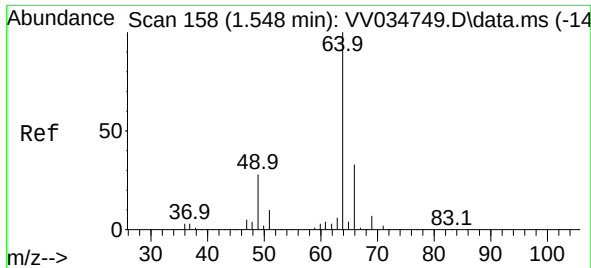
Tgt Ion: 94 Resp: 86714

Ion Ratio Lower Upper

94 100

96 92.3 66.0 122.6

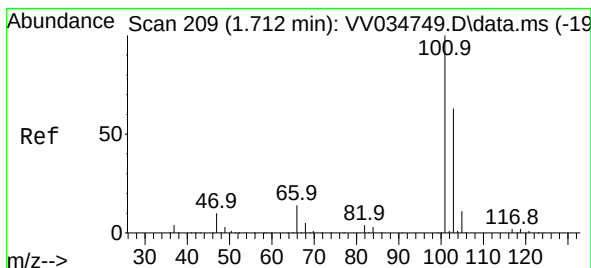
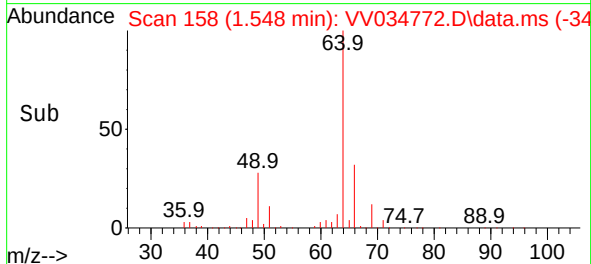
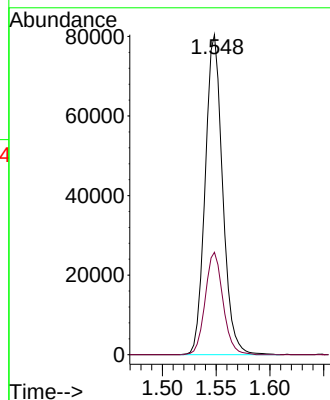
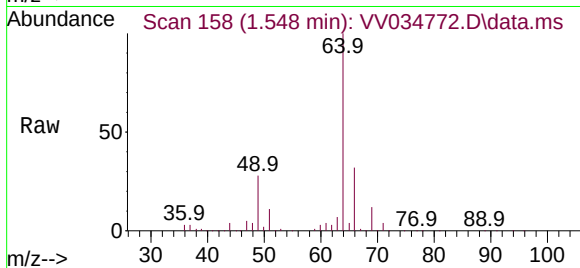




#8
Chloroethane
Concen: 44.370 ug/L
RT: 1.548 min Scan# 158
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

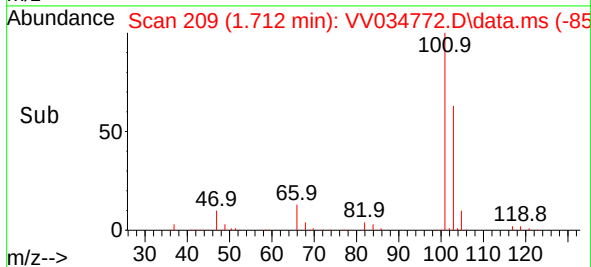
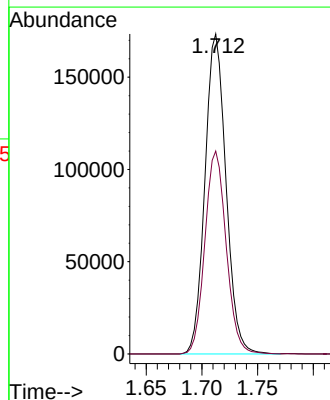
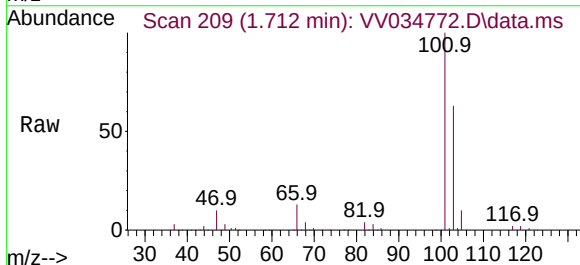
Instrument :
MSVOA_V
ClientSampleId :

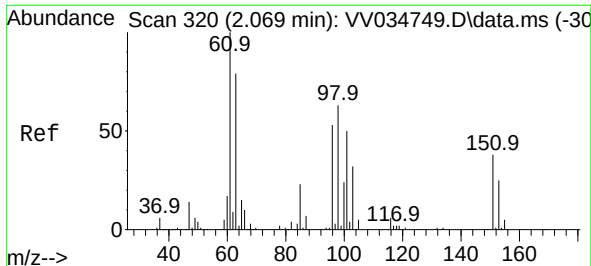
Tgt Ion: 64 Resp: 90921
Ion Ratio Lower Upper
64 100
66 32.0 22.0 40.8



#9
Trichlorofluoromethane
Concen: 44.132 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion:101 Resp: 227847
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.8





#10

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

Concen: 39.343 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

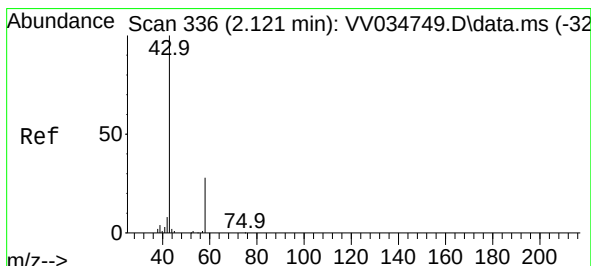
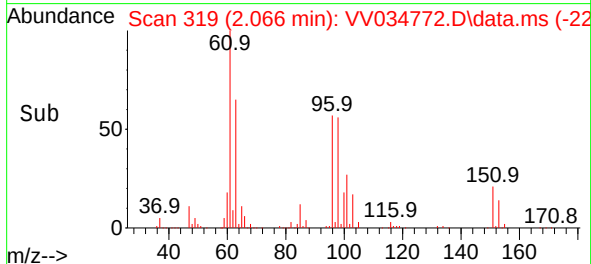
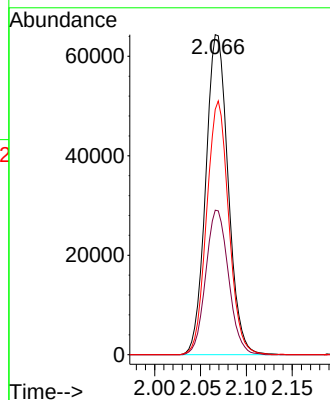
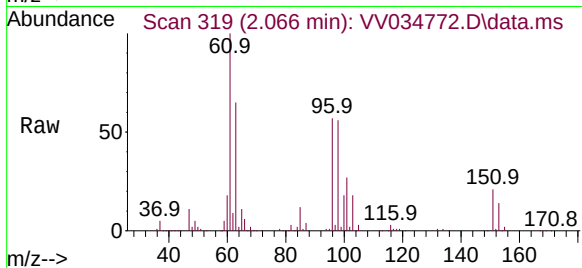
Tgt Ion:101 Resp: 109476

Ion Ratio Lower Upper

101 100

85 45.9 37.4 56.0

151 77.9 61.4 92.2



#13

Acetone

Concen: 328.350 ug/L

RT: 2.121 min Scan# 336

Delta R.T. 0.000 min

Lab File: VV034772.D

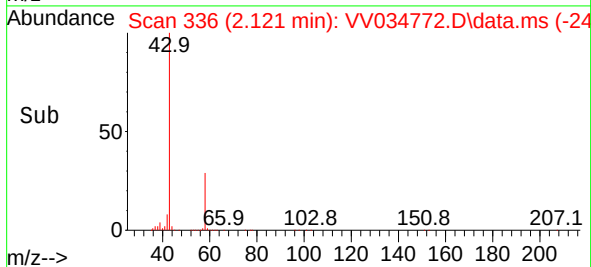
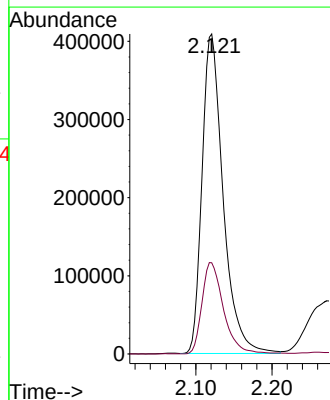
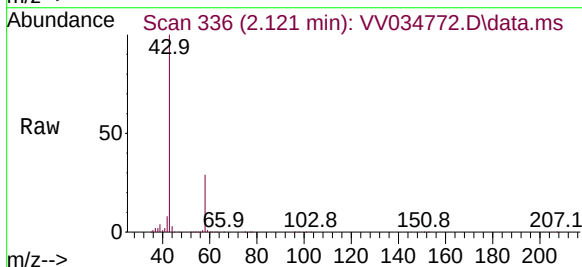
Acq: 20 Mar 2024 18:55

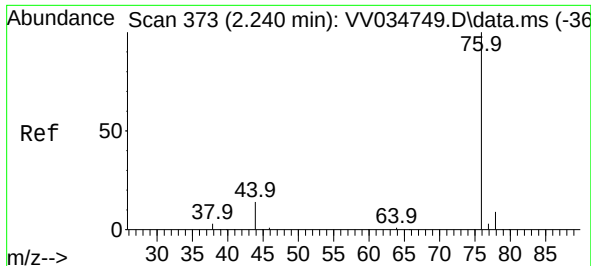
Tgt Ion: 43 Resp: 788541

Ion Ratio Lower Upper

43 100

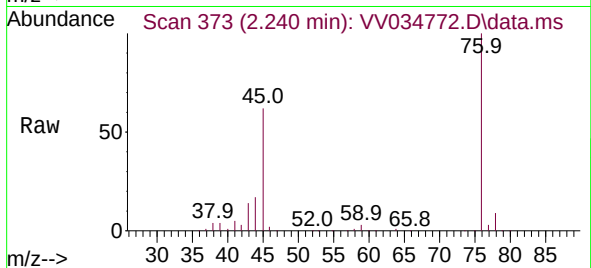
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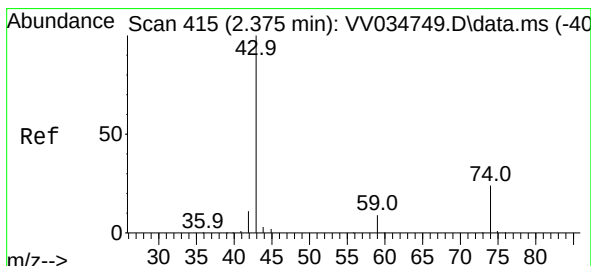
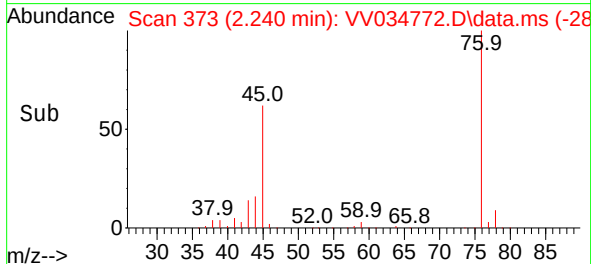
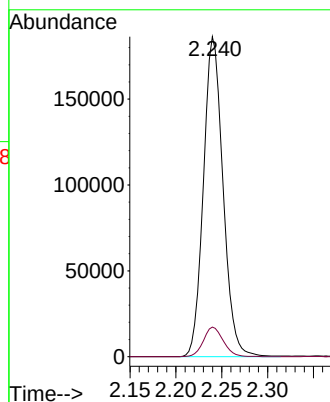


#14
Carbon disulfide
Concen: 38.720 ug/L
RT: 2.240 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Instrument :
MSVOA_V
ClientSampleId :

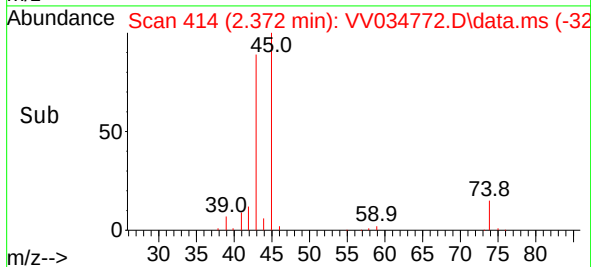
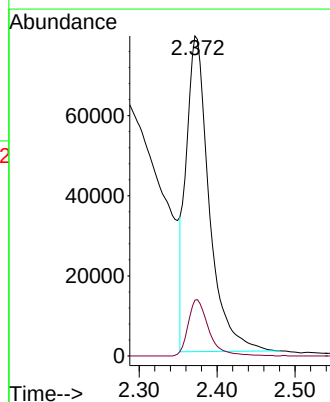
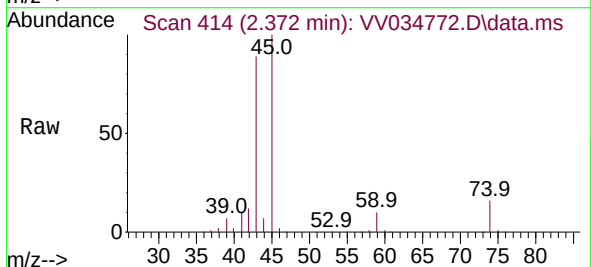


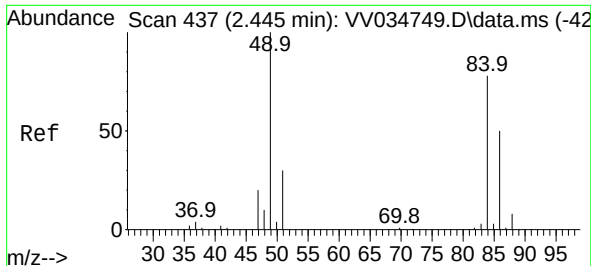
Tgt Ion: 76 Resp: 277277
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#15
Methyl Acetate
Concen: 52.556 ug/L
RT: 2.372 min Scan# 414
Delta R.T. -0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion: 43 Resp: 161471
Ion Ratio Lower Upper
43 100
74 16.1 17.8 26.8#

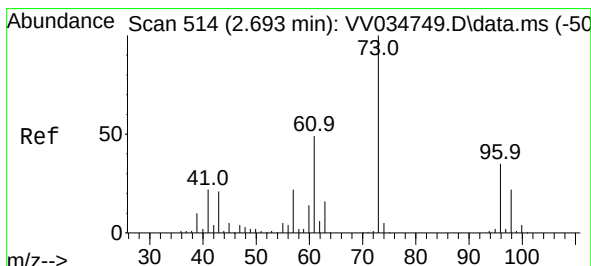
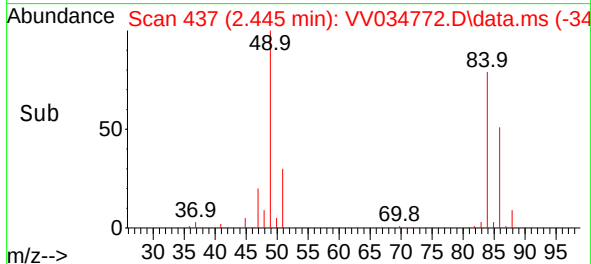
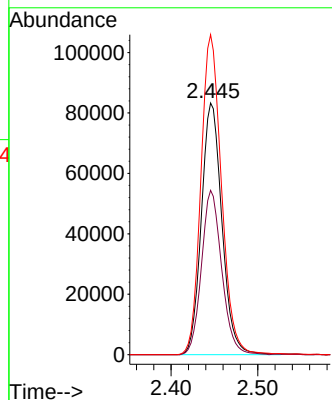
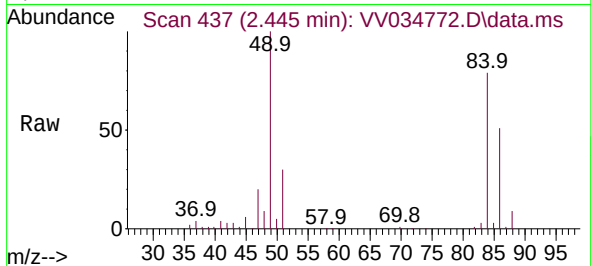




#16
Methylene chloride
Concen: 50.281 ug/L
RT: 2.445 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

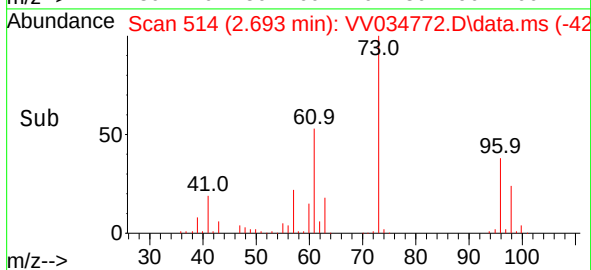
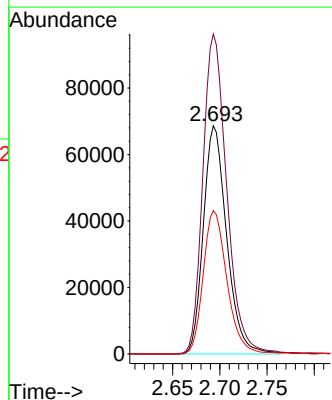
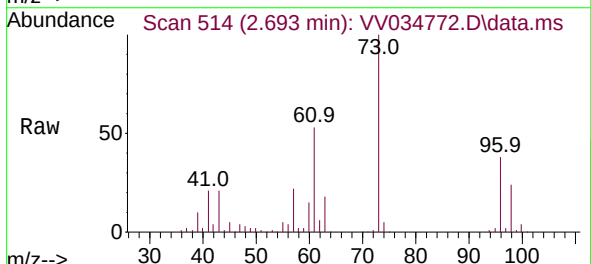
Instrument :
MSVOA_V
ClientSampleId :

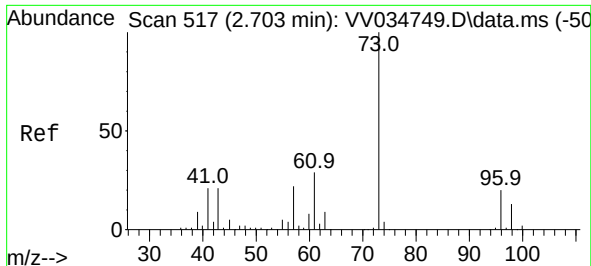
Tgt Ion: 84 Resp: 137620
Ion Ratio Lower Upper
84 100
86 65.3 45.6 84.6
49 127.1 92.3 171.3



#17
trans-1,2-Dichloroethene
Concen: 47.239 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion: 96 Resp: 117975
Ion Ratio Lower Upper
96 100
61 140.3 98.8 183.4
98 62.9 46.1 85.5





#18

Methyl tert-butyl Ether

Concen: 53.163 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

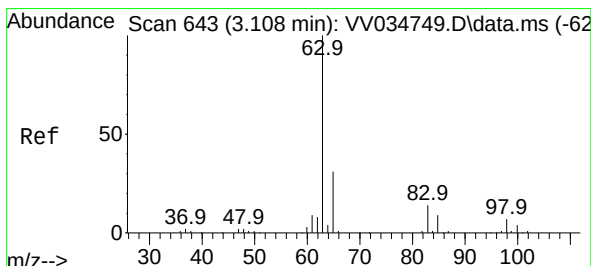
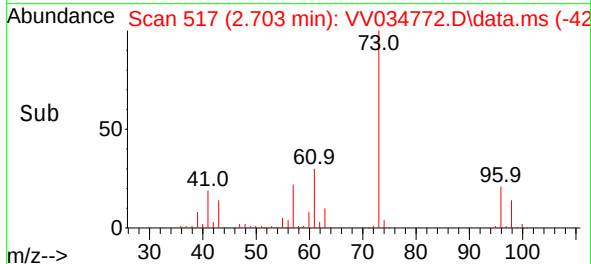
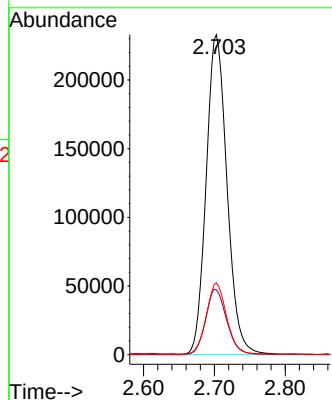
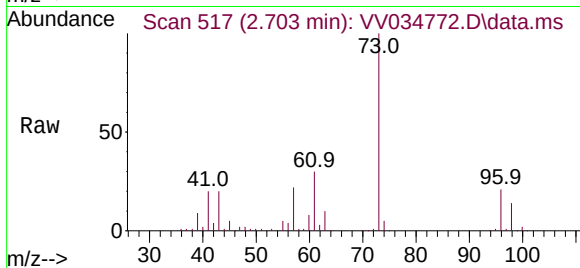
Tgt Ion: 73 Resp: 476798

Ion Ratio Lower Upper

73 100

43 20.5 17.1 25.7

57 21.9 17.6 26.4



#19

1,1-Dichloroethane

Concen: 59.895 ug/L

RT: 3.111 min Scan# 644

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

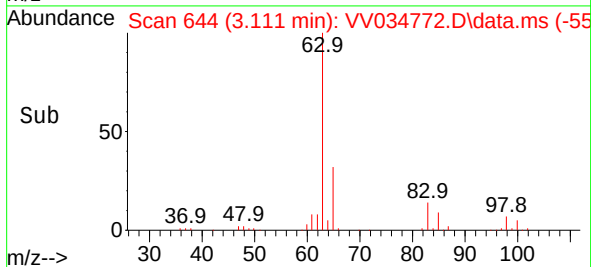
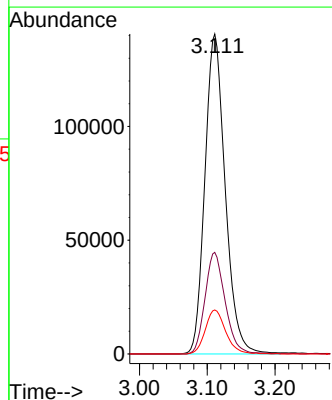
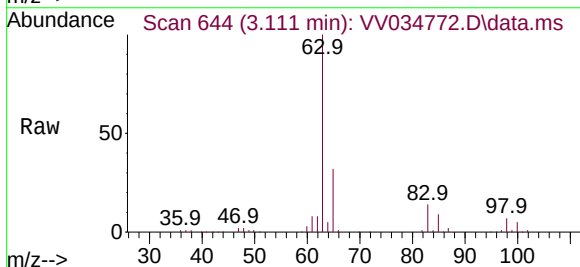
Tgt Ion: 63 Resp: 293024

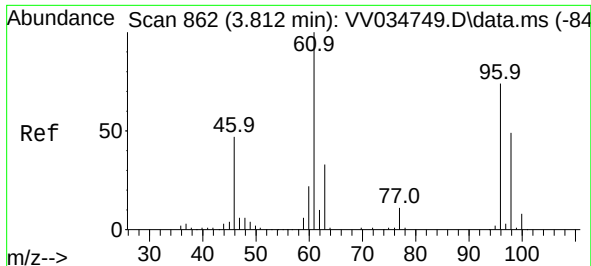
Ion Ratio Lower Upper

63 100

65 31.8 22.1 41.1

83 13.8 9.9 18.3





#20

cis-1,2-Dichloroethene

Concen: 63.641 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

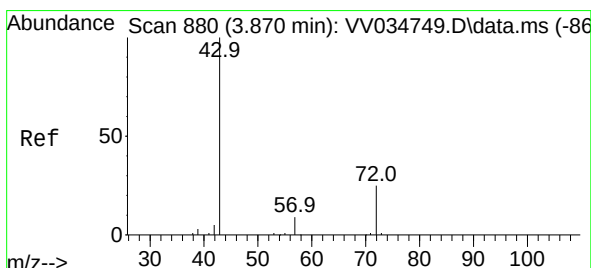
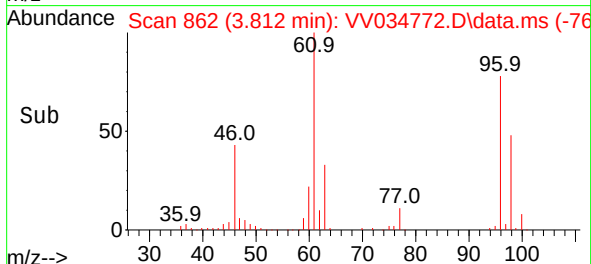
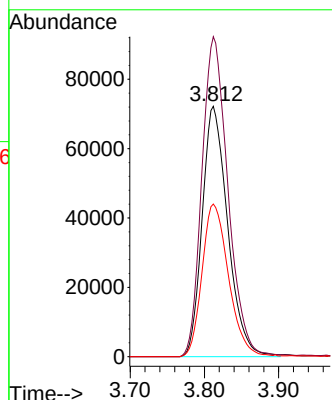
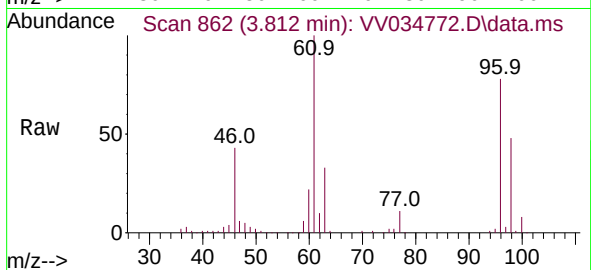
Tgt Ion: 96 Resp: 172447

Ion Ratio Lower Upper

96 100

61 127.8 96.0 178.4

98 61.0 46.0 85.4



#22

2-Butanone

Concen: 91.300 ug/L

RT: 3.873 min Scan# 881

Delta R.T. 0.003 min

Lab File: VV034772.D

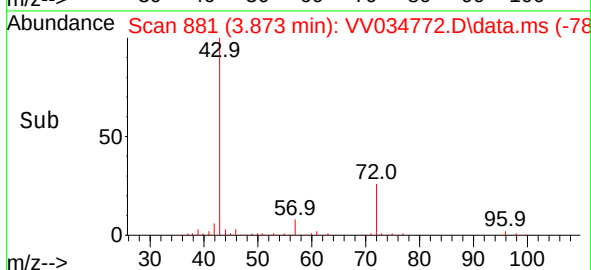
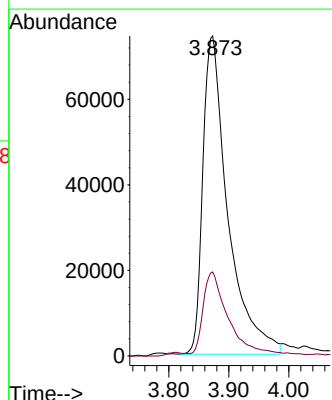
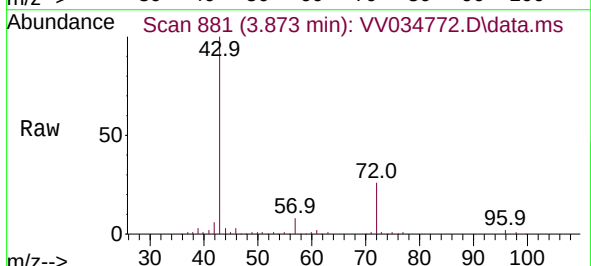
Acq: 20 Mar 2024 18:55

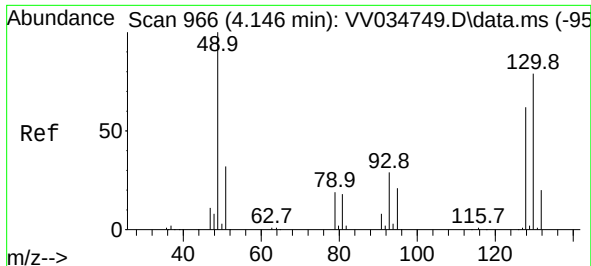
Tgt Ion: 43 Resp: 216514

Ion Ratio Lower Upper

43 100

72 25.3 11.5 34.4

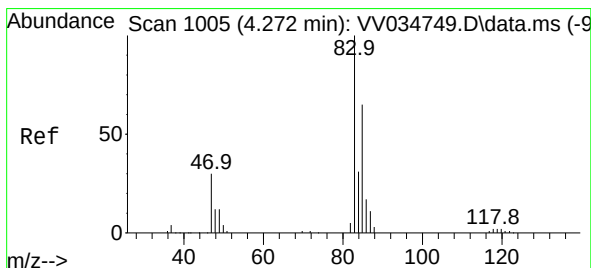
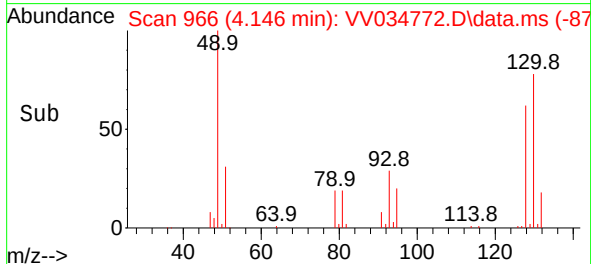
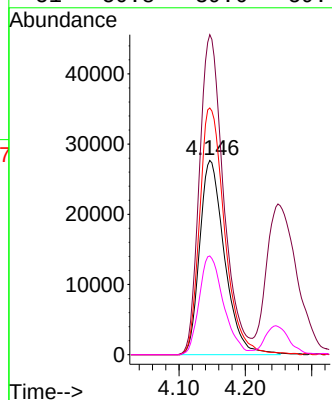
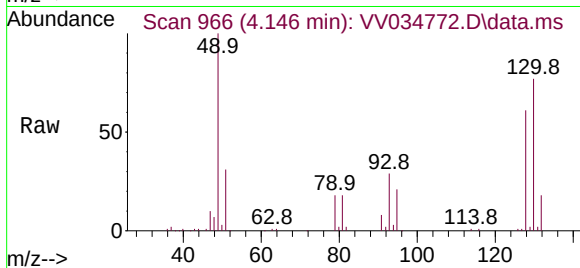




#23
Bromochloromethane
Concen: 51.268 ug/L
RT: 4.146 min Scan# 90
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

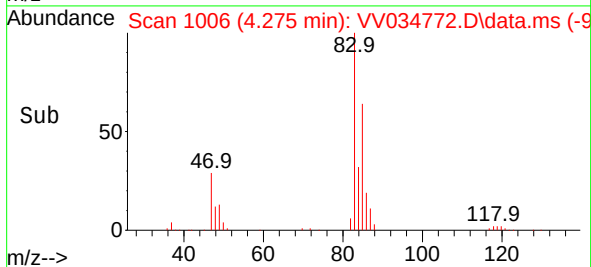
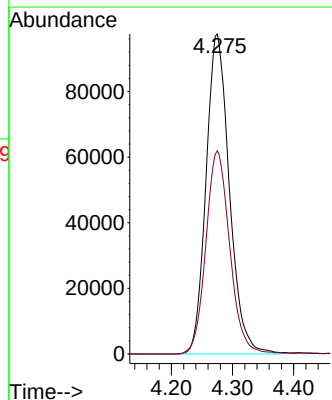
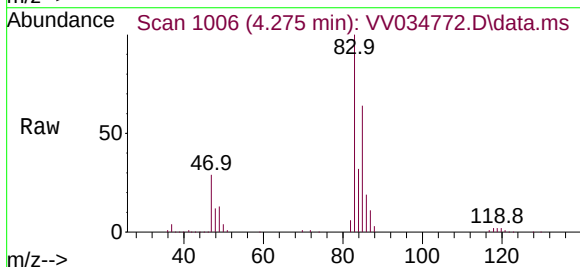
Instrument :
MSVOA_V
ClientSampleId :

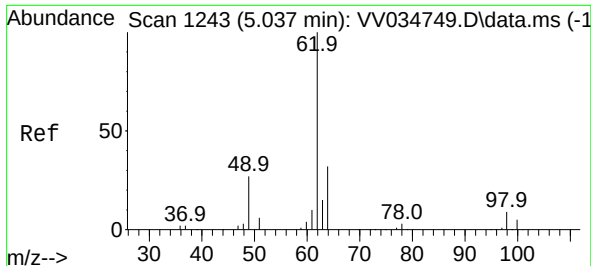
Tgt Ion:	128	Resp:	71835
Ion	Ratio	Lower	Upper
128	100		
49	164.7	109.4	203.2
130	126.9	87.7	162.9
51	50.8	39.6	59.4



#25
Chloroform
Concen: 50.933 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion:	83	Resp:	258269
Ion	Ratio	Lower	Upper
83	100		
85	63.5	45.5	84.5





#27

1,2-Dichloroethane

Concen: 49.617 ug/L

RT: 5.040 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

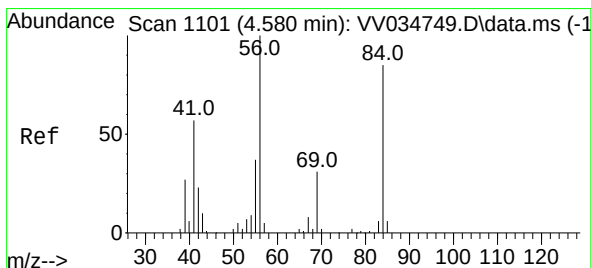
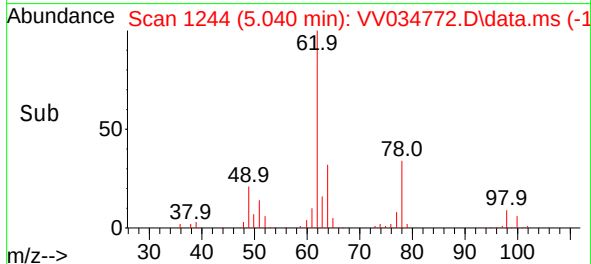
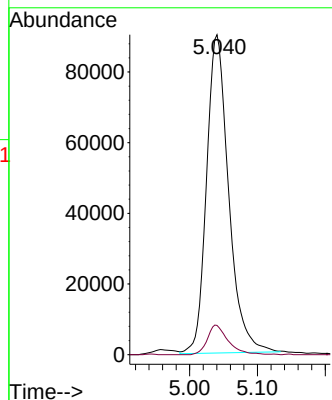
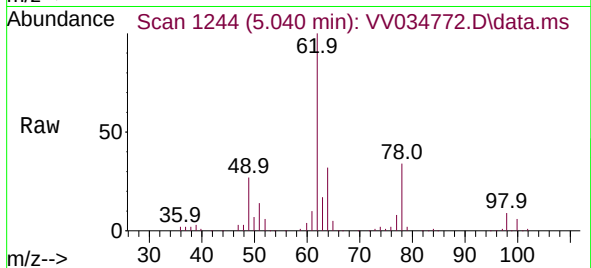
ClientSampleId :

Tgt Ion: 62 Resp: 204416

Ion Ratio Lower Upper

62 100

98 9.2 6.6 10.0



#29

Cyclohexane

Concen: 42.695 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

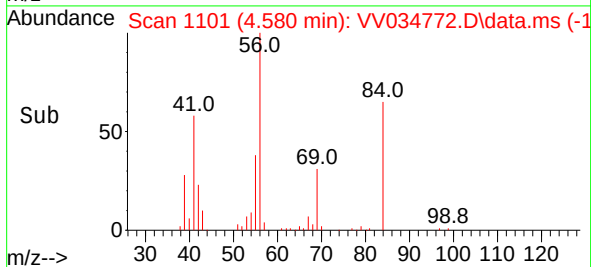
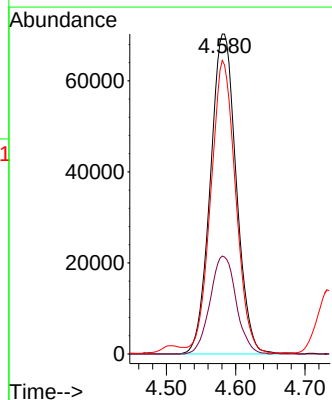
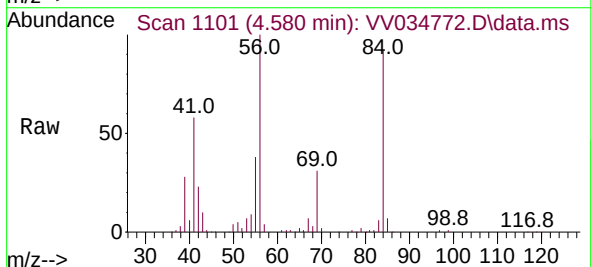
Tgt Ion: 56 Resp: 182458

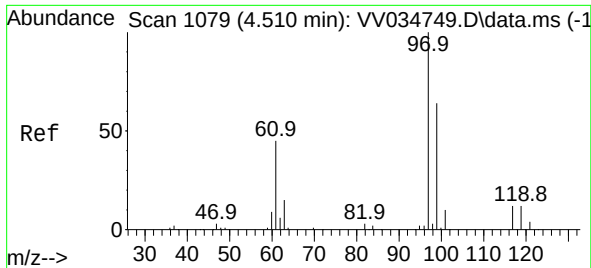
Ion Ratio Lower Upper

56 100

69 30.8 24.2 36.4

84 87.6 70.5 105.7





#30

1,1,1-Trichloroethane

Concen: 52.070 ug/L

RT: 4.513 min Scan# 1149

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

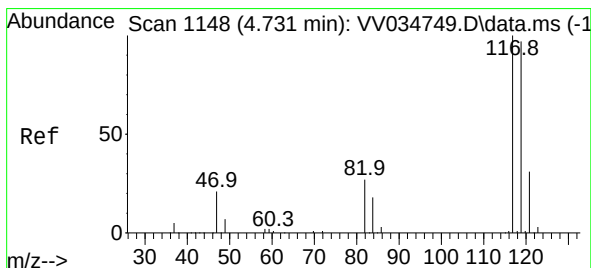
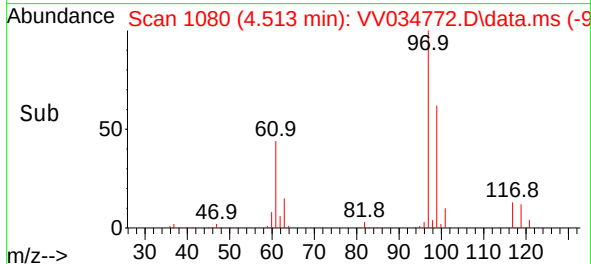
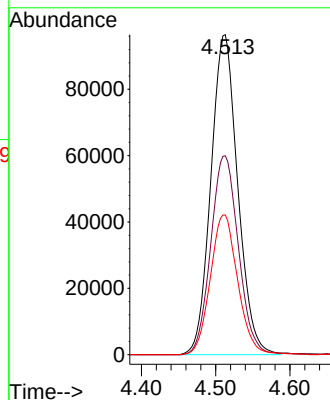
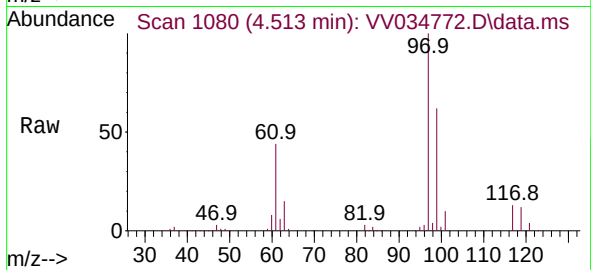
Tgt Ion: 97 Resp: 242595

Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 44.7 36.0 54.0



#31

Carbon tetrachloride

Concen: 48.011 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. 0.003 min

Lab File: VV034772.D

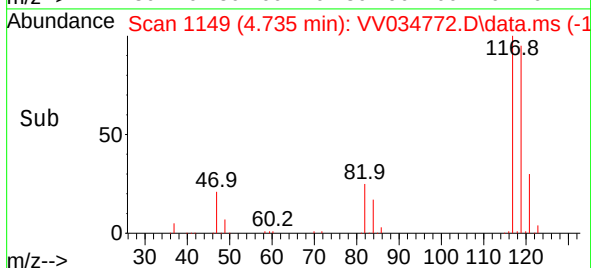
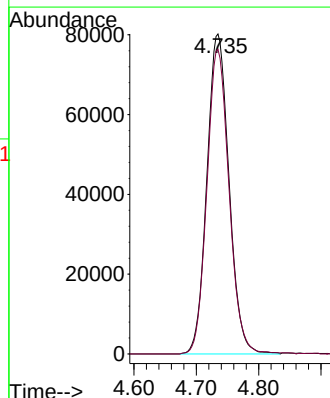
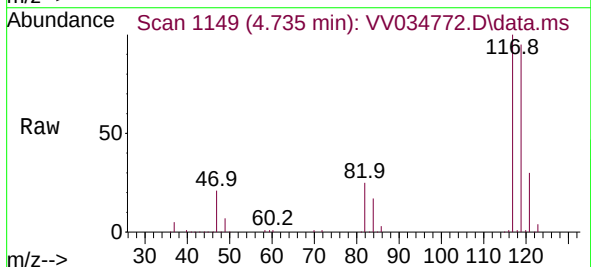
Acq: 20 Mar 2024 18:55

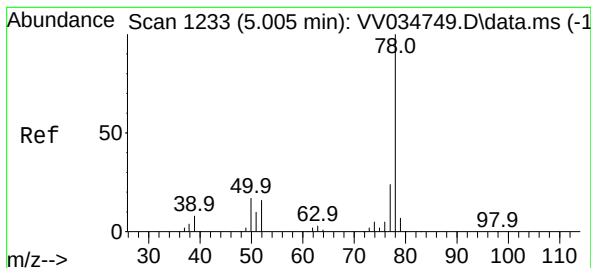
Tgt Ion: 117 Resp: 198040

Ion Ratio Lower Upper

117 100

119 94.9 77.5 116.3





#33

Benzene

Concen: 49.309 ug/L

RT: 5.008 min Scan# 1233

Delta R.T. 0.003 min

Lab File: VV034772.D

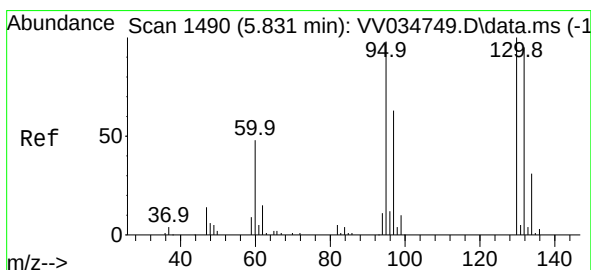
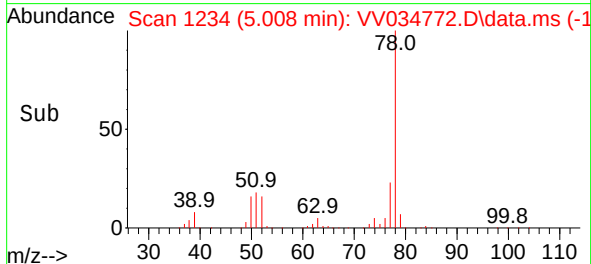
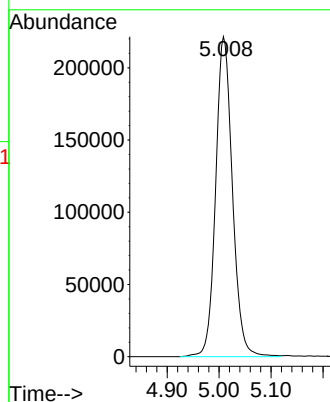
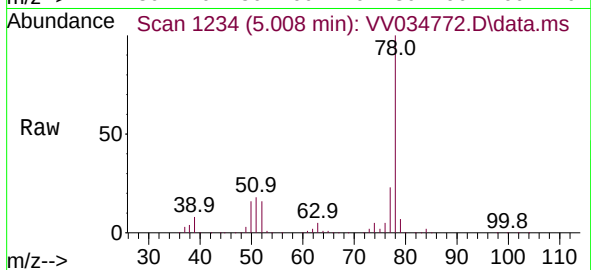
Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 497275



#34

Trichloroethene

Concen: 52.876 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Tgt Ion: 95 Resp: 151580

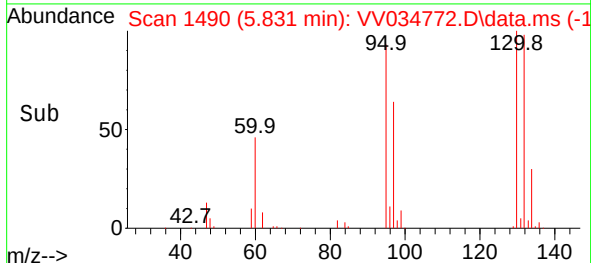
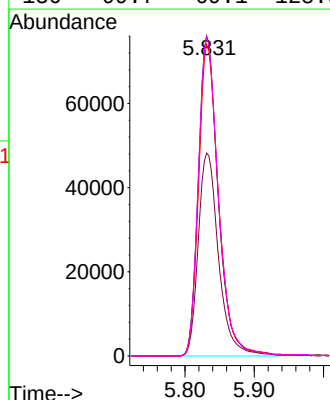
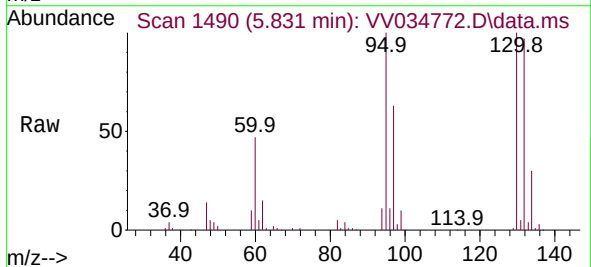
Ion Ratio Lower Upper

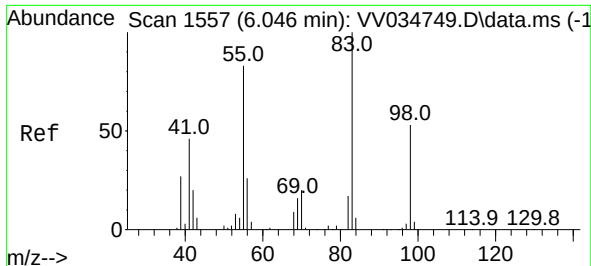
95 100

97 63.4 44.7 83.1

132 97.4 65.3 121.3

130 99.7 69.1 128.3





#35

Methylcyclohexane

Concen: 42.944 ug/L

RT: 6.050 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

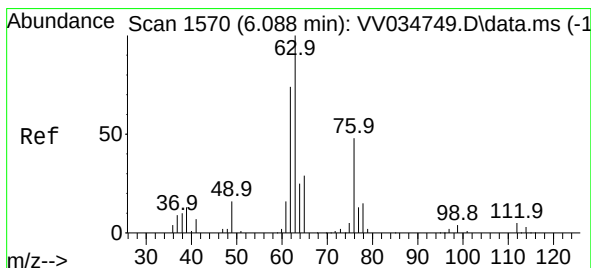
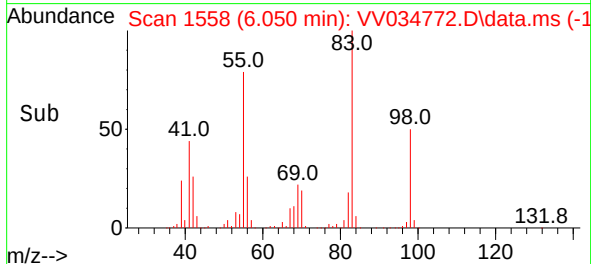
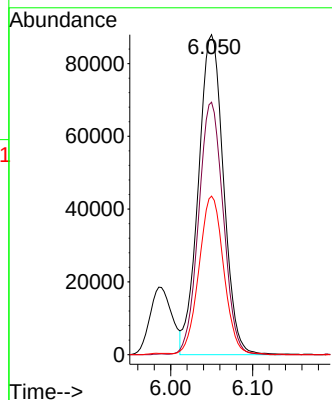
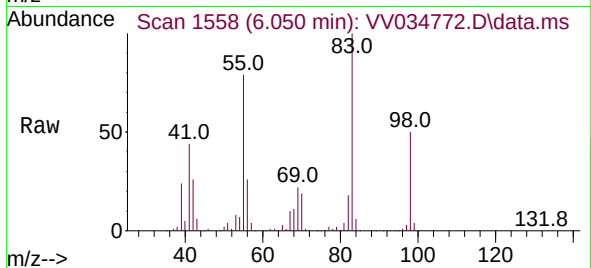
Tgt Ion: 83 Resp: 187155

Ion Ratio Lower Upper

83 100

55 77.4 62.6 94.0

98 48.9 39.5 59.3



#37

1,2-Dichloropropane

Concen: 51.457 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. 0.003 min

Lab File: VV034772.D

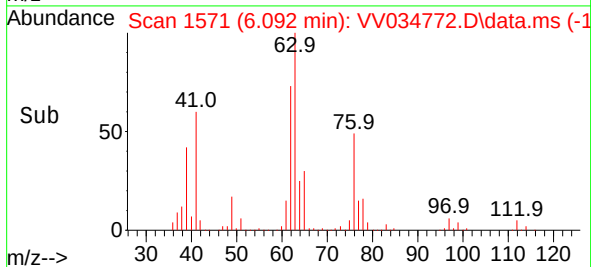
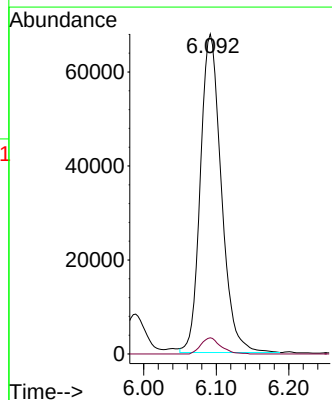
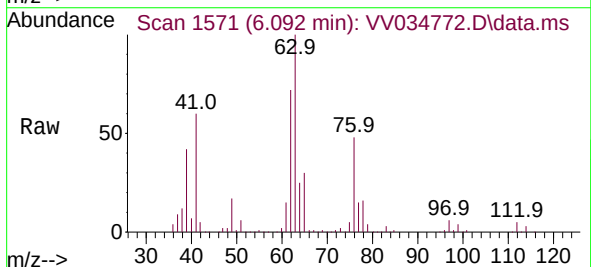
Acq: 20 Mar 2024 18:55

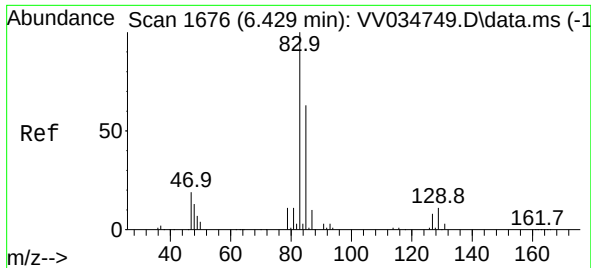
Tgt Ion: 63 Resp: 135864

Ion Ratio Lower Upper

63 100

112 4.8 3.5 5.3





#38

Bromodichloromethane

Concen: 50.745 ug/L

RT: 6.432 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

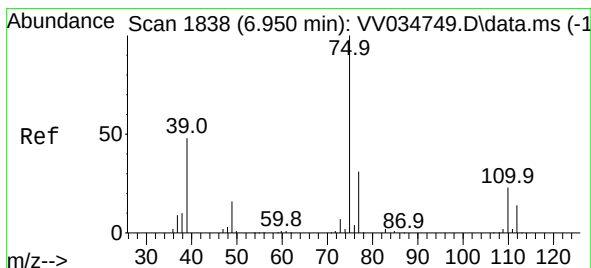
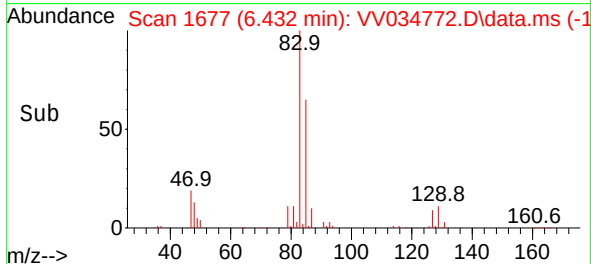
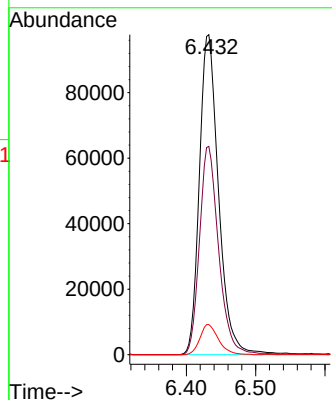
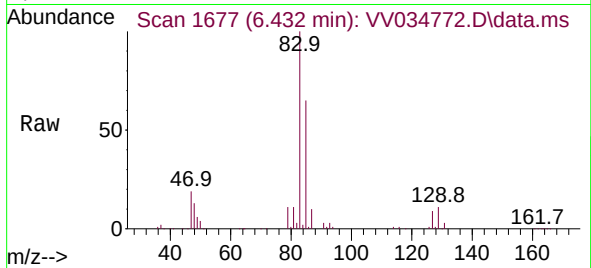
Tgt Ion: 83 Resp: 188464

Ion Ratio Lower Upper

83 100

85 65.1 44.6 82.8

127 9.4 6.9 10.3



#39

cis-1,3-Dichloropropene

Concen: 46.949 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV034772.D

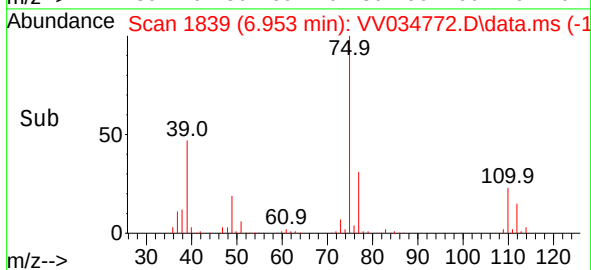
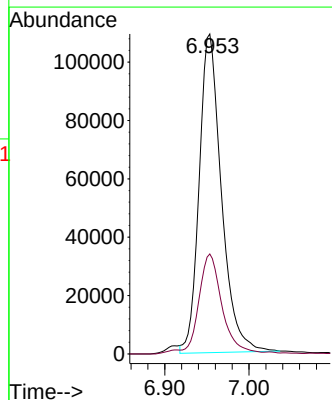
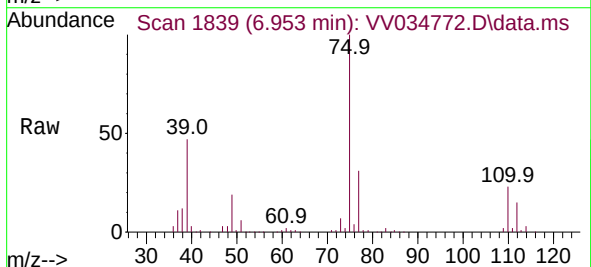
Acq: 20 Mar 2024 18:55

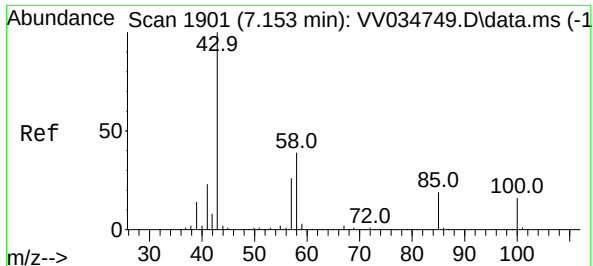
Tgt Ion: 75 Resp: 200841

Ion Ratio Lower Upper

75 100

77 31.2 20.9 38.9

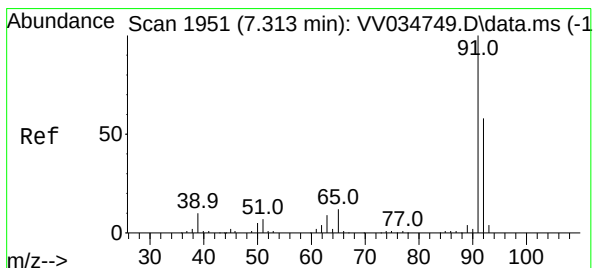
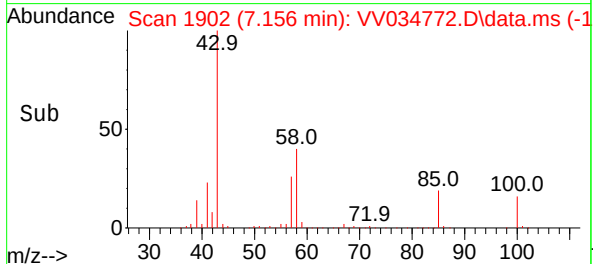
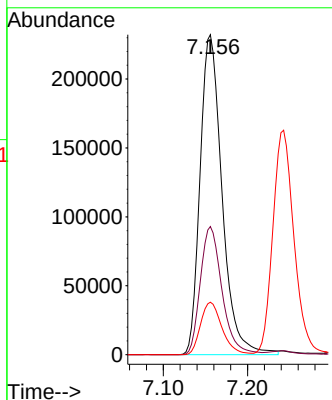
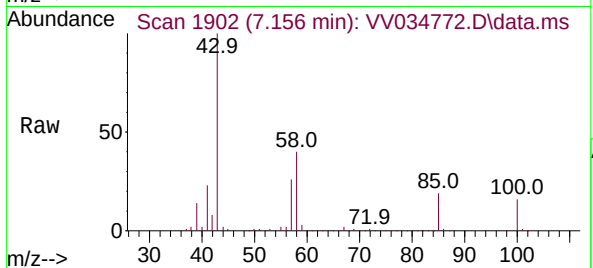




#40
4-Methyl-2-pentanone
Concen: 108.440 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

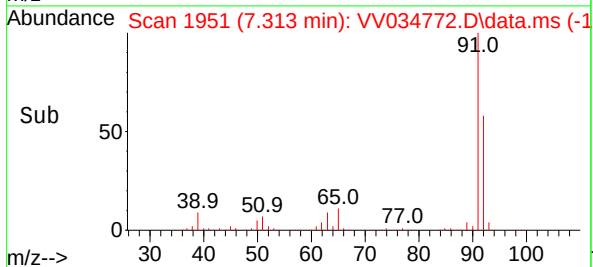
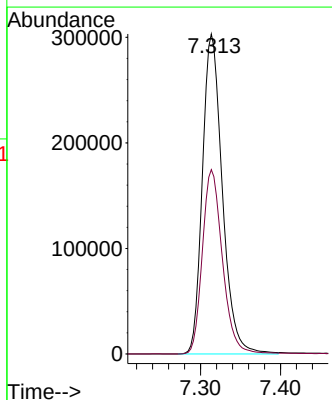
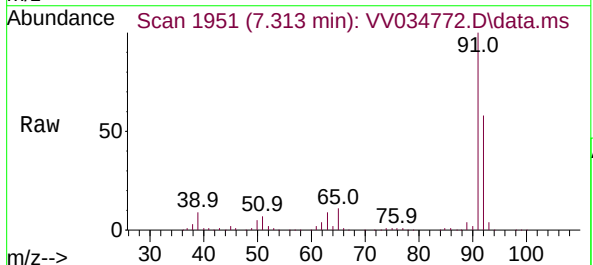
Instrument :
MSVOA_V
ClientSampleId :

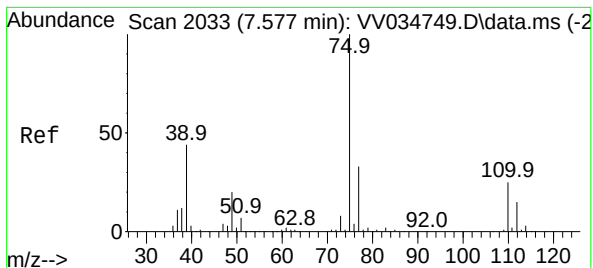
Tgt Ion: 43 Resp: 422193
Ion Ratio Lower Upper
43 100
58 39.5 30.6 46.0
100 16.0 12.5 18.7



#42
Toluene
Concen: 49.330 ug/L
RT: 7.313 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion: 91 Resp: 526519
Ion Ratio Lower Upper
91 100
92 57.6 40.5 75.1





#44

trans-1,3-Dichloropropene

Concen: 47.993 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

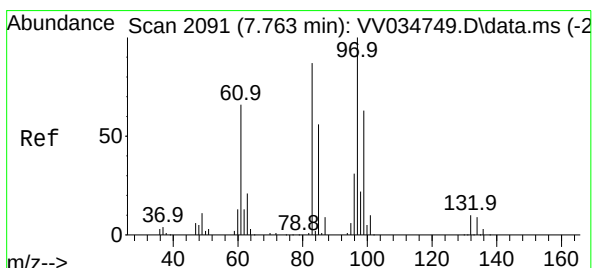
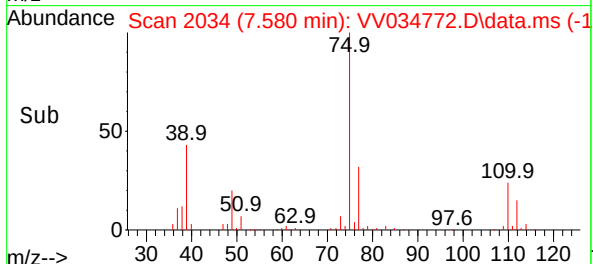
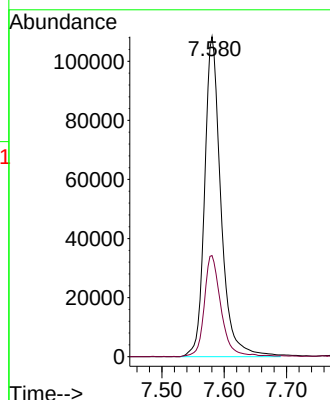
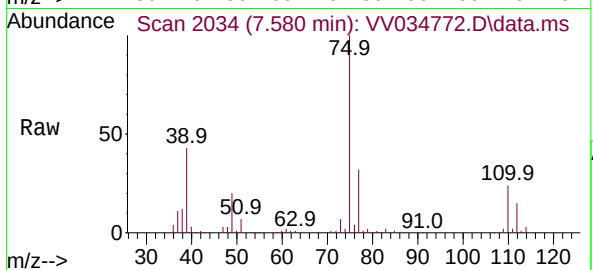
ClientSampleId :

Tgt Ion: 75 Resp: 197457

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.4



#45

1,1,2-Trichloroethane

Concen: 54.037 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Tgt Ion: 97 Resp: 137663

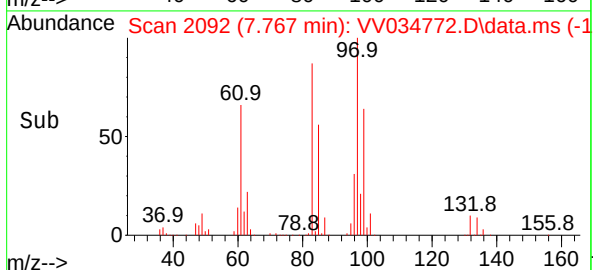
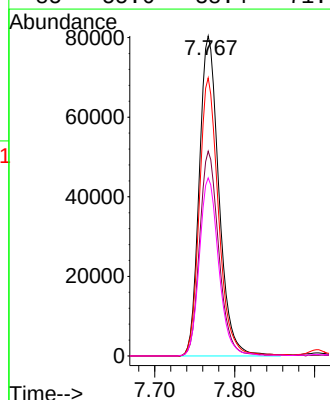
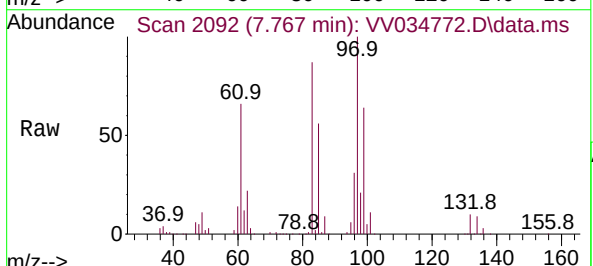
Ion Ratio Lower Upper

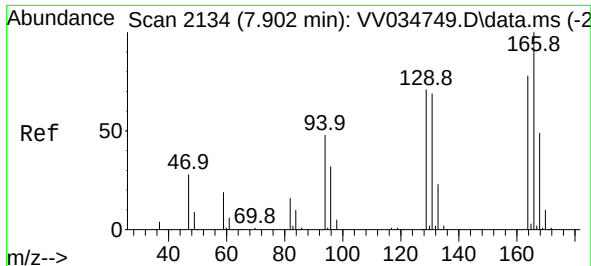
97 100

99 64.0 43.8 81.4

83 86.9 59.4 110.2

85 55.6 38.4 71.4





#46

Tetrachloroethene

Concen: 45.583 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.003 min

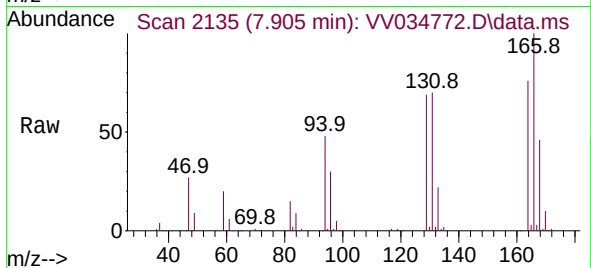
Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 97181

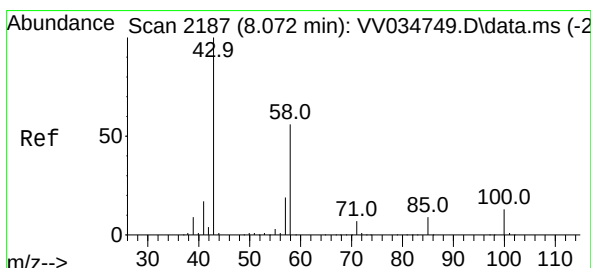
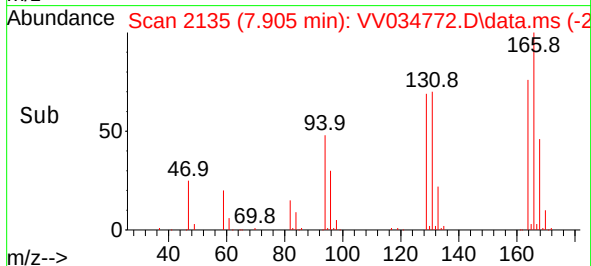
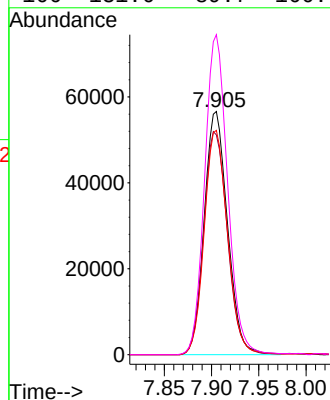
Ion Ratio Lower Upper

164 100

129 90.4 65.7 121.9

131 92.3 62.2 115.6

166 131.6 89.7 166.7



#48

2-Hexanone

Concen: 109.231 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Tgt Ion: 43 Resp: 338876

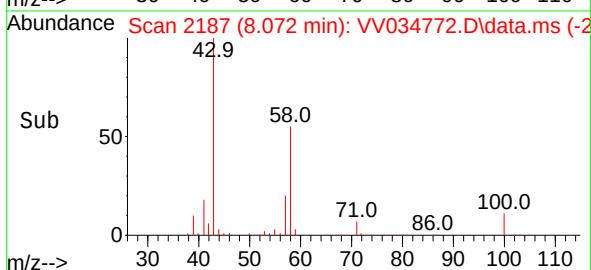
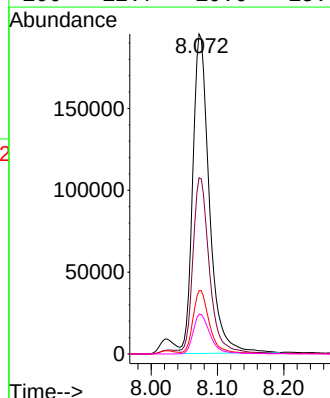
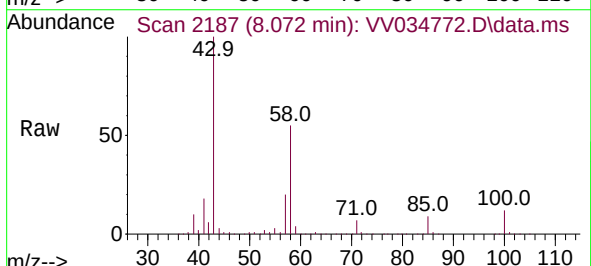
Ion Ratio Lower Upper

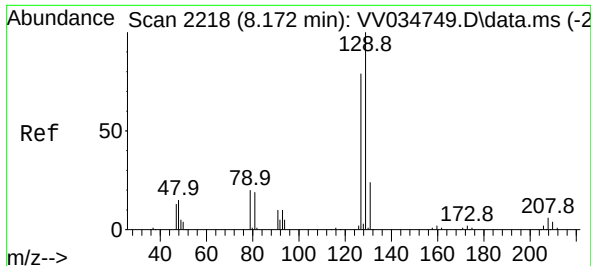
43 100

58 54.7 42.0 63.0

57 19.6 15.2 22.8

100 12.7 10.0 15.0





#49

Dibromochloromethane

Concen: 52.789 ug/L

RT: 8.175 min Scan# 2218

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

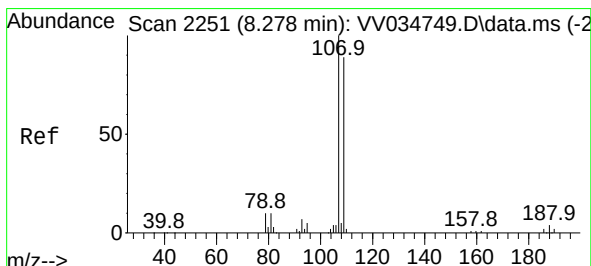
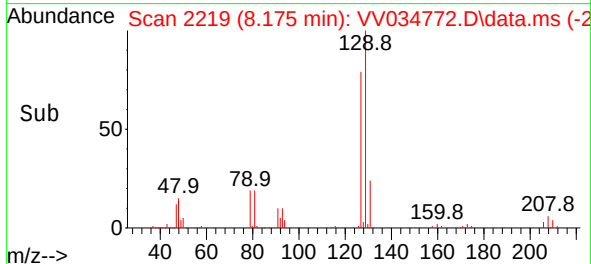
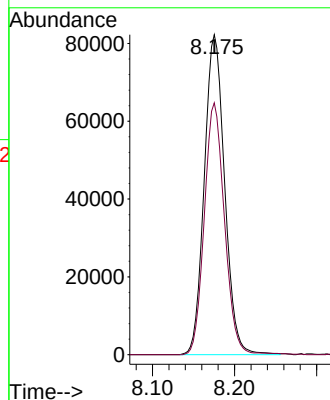
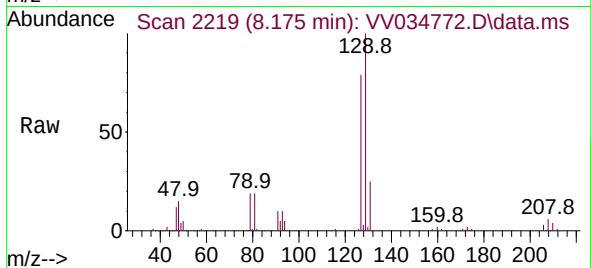
ClientSampleId :

Tgt Ion:129 Resp: 141917

Ion Ratio Lower Upper

129 100

127 78.7 53.3 98.9



#50

1,2-Dibromoethane

Concen: 51.807 ug/L

RT: 8.281 min Scan# 2252

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

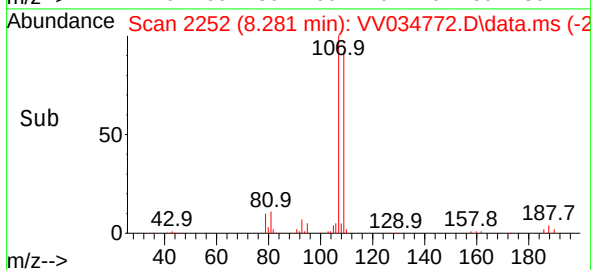
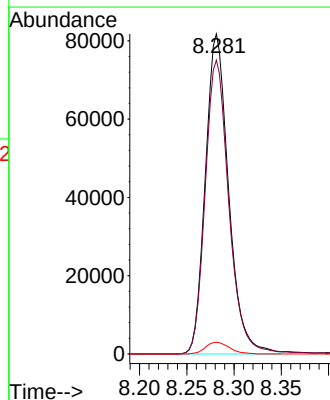
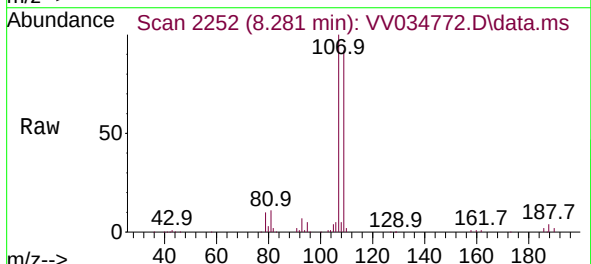
Tgt Ion:107 Resp: 140052

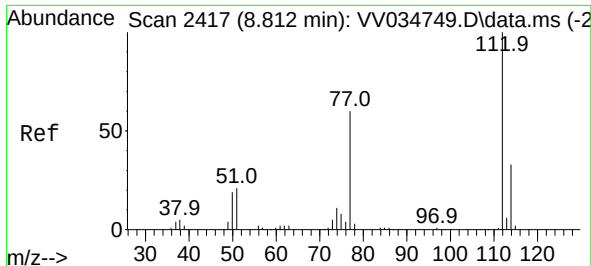
Ion Ratio Lower Upper

107 100

109 91.8 66.5 123.5

188 3.7 3.4 5.2





#51

Chlorobenzene

Concen: 49.606 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

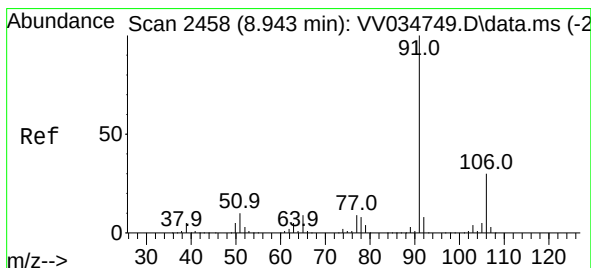
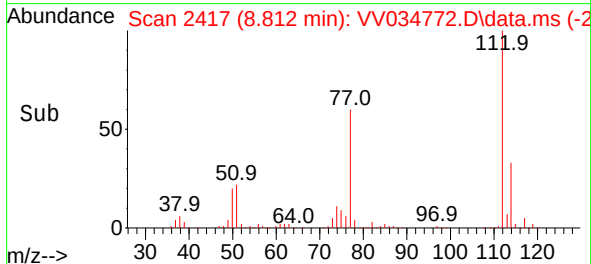
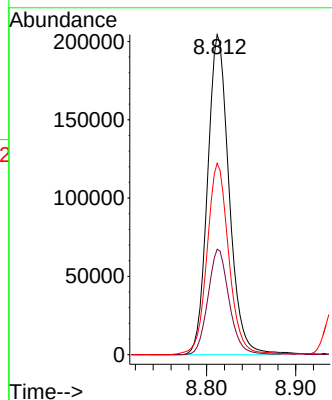
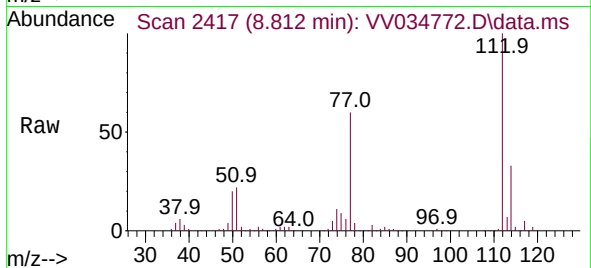
Tgt Ion:112 Resp: 342291

Ion Ratio Lower Upper

112 100

114 33.0 22.3 41.5

77 59.8 47.7 71.5



#52

Ethylbenzene

Concen: 49.711 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV034772.D

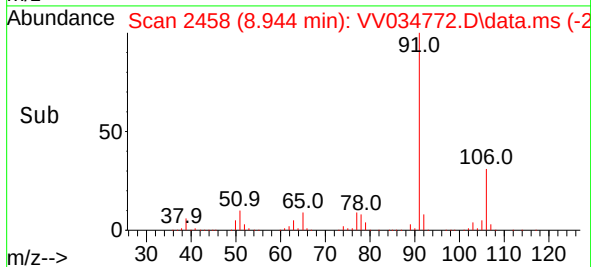
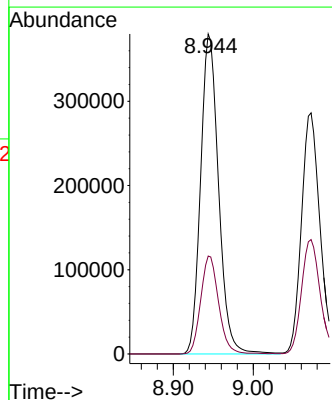
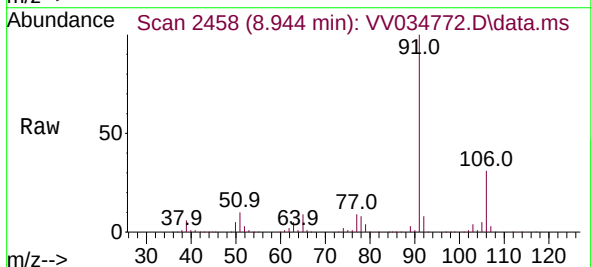
Acq: 20 Mar 2024 18:55

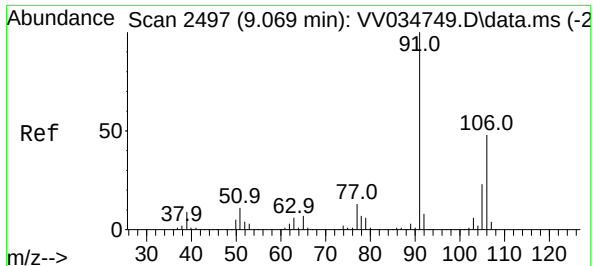
Tgt Ion: 91 Resp: 594514

Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.5

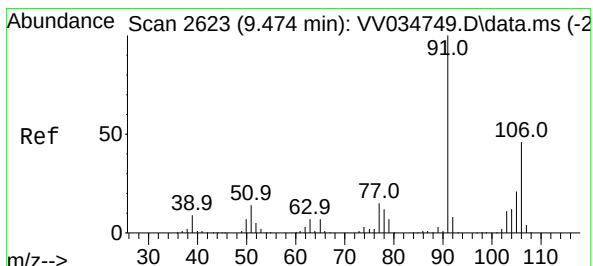
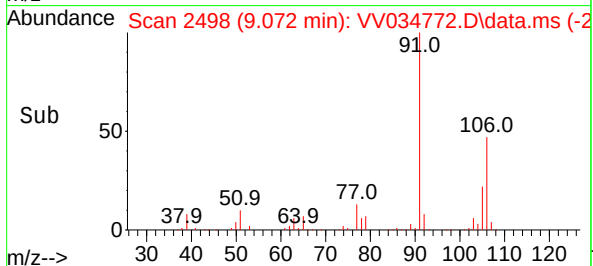
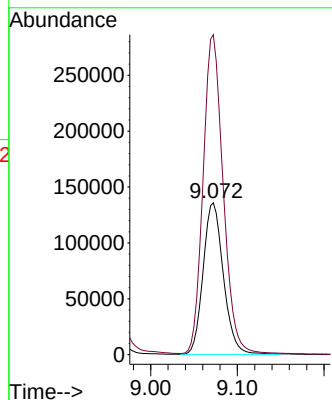
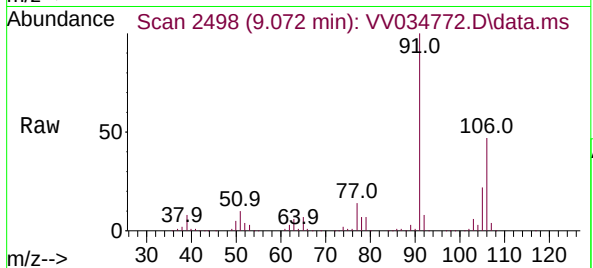




#53
m,p-Xylene
Concen: 48.526 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

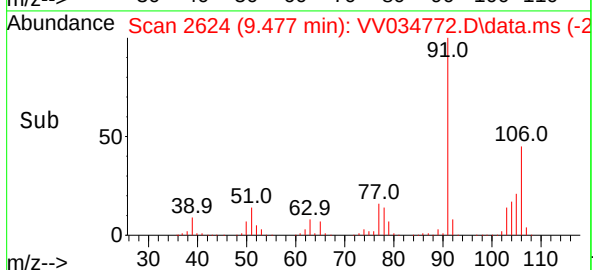
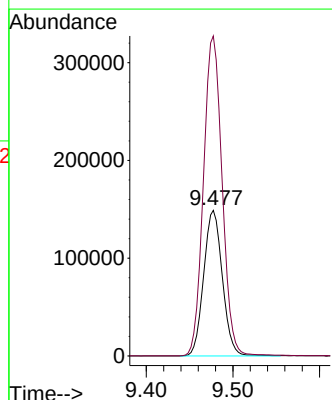
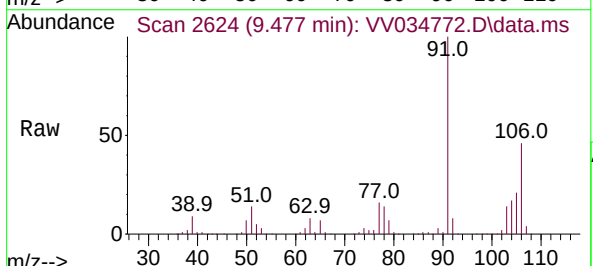
Instrument :
MSVOA_V
ClientSampleId :

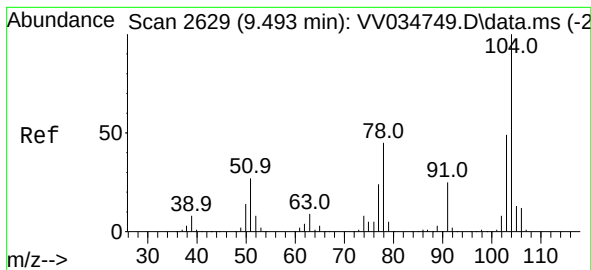
Tgt Ion:106 Resp: 220226
Ion Ratio Lower Upper
106 100
91 210.6 145.3 269.9



#54
o-Xylene
Concen: 50.225 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

Tgt Ion:106 Resp: 223200
Ion Ratio Lower Upper
106 100
91 219.8 152.2 282.7





#55

Styrene

Concen: 51.485 ug/L

RT: 9.493 min Scan# 20

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

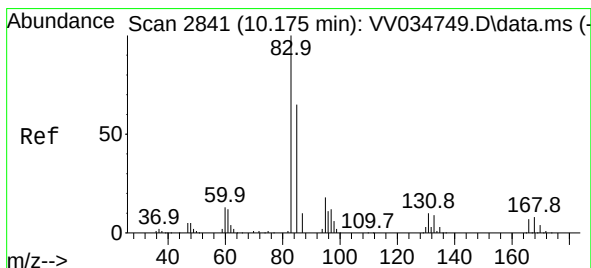
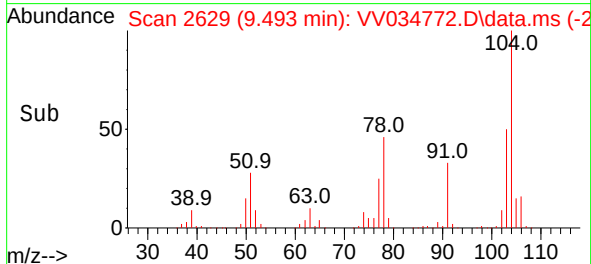
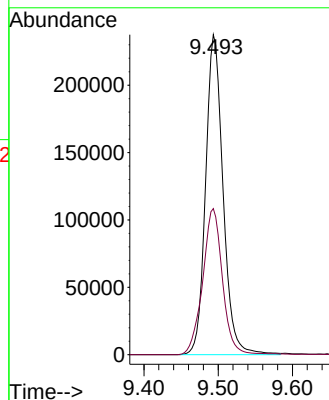
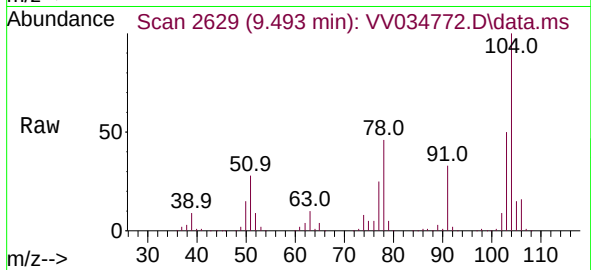
ClientSampleId :

Tgt Ion:104 Resp: 387387

Ion Ratio Lower Upper

104 100

78 45.6 33.0 61.4



#57

1,1,2,2-Tetrachloroethane

Concen: 55.902 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

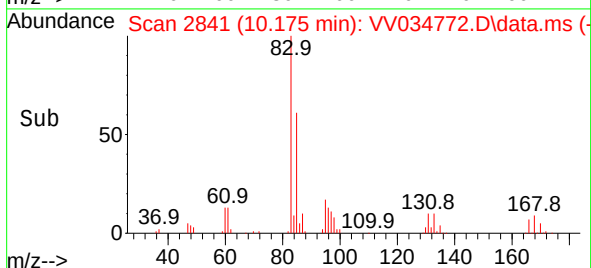
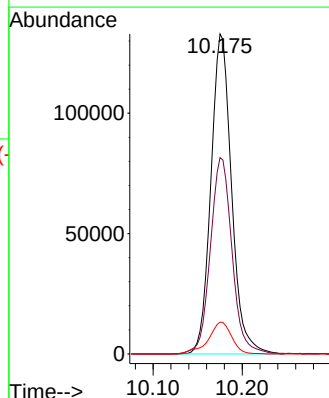
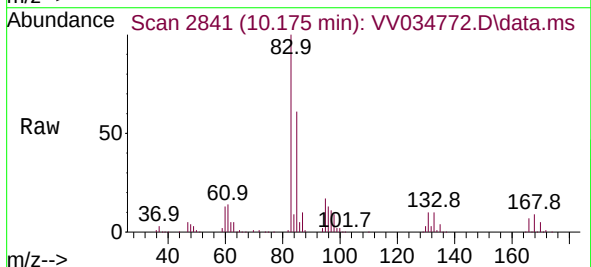
Tgt Ion: 83 Resp: 213903

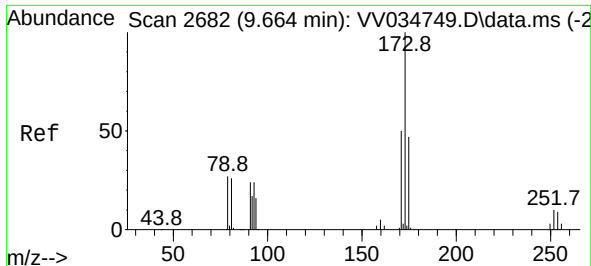
Ion Ratio Lower Upper

83 100

85 61.4 45.4 84.2

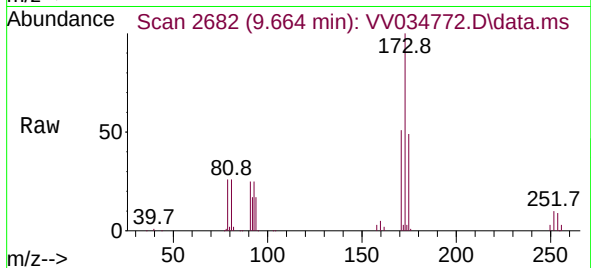
131 10.0 8.3 12.5



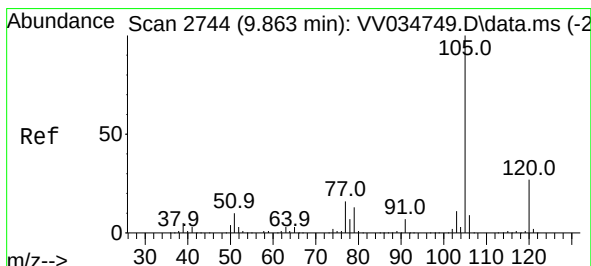
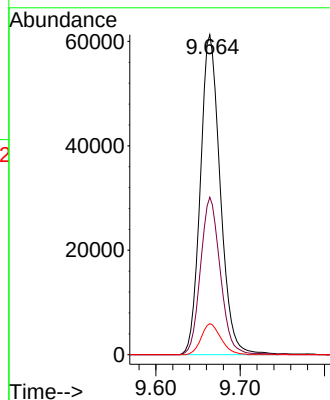
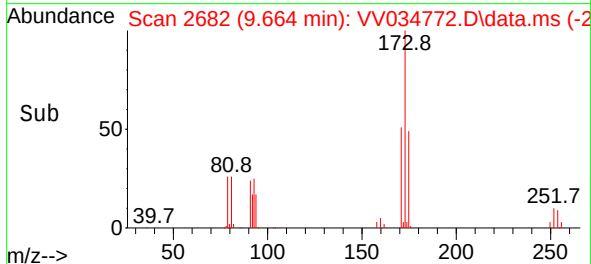


#59
Bromoform
Concen: 53.340 ug/L
RT: 9.664 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55

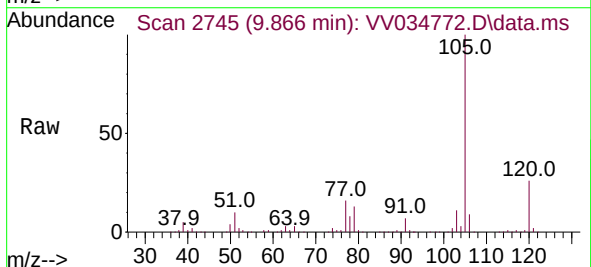
Instrument :
MSVOA_V
ClientSampleId :



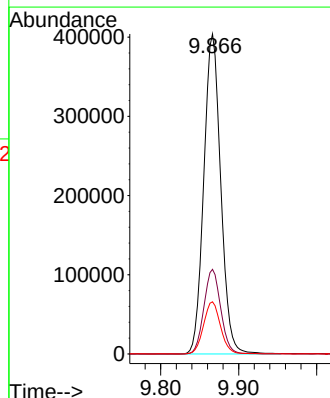
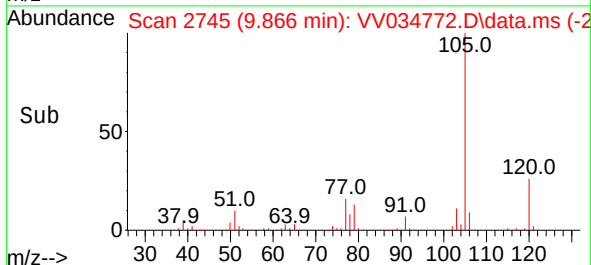
Tgt Ion:173 Resp: 100731
Ion Ratio Lower Upper
173 100
175 48.7 39.1 58.7
254 9.6 7.8 11.8

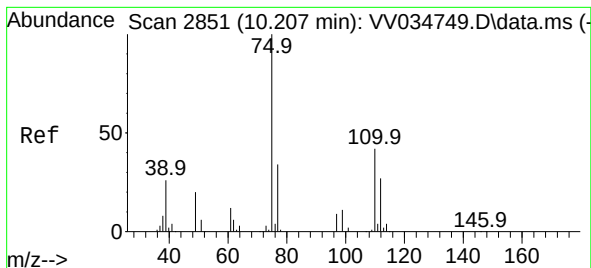


#60
Isopropylbenzene
Concen: 50.748 ug/L
RT: 9.866 min Scan# 2745
Delta R.T. 0.003 min
Lab File: VV034772.D
Acq: 20 Mar 2024 18:55



Tgt Ion:105 Resp: 611340
Ion Ratio Lower Upper
105 100
120 26.3 20.8 31.2
77 16.4 13.0 19.6





#61

1,2,3-Trichloropropane

Concen: 54.536 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

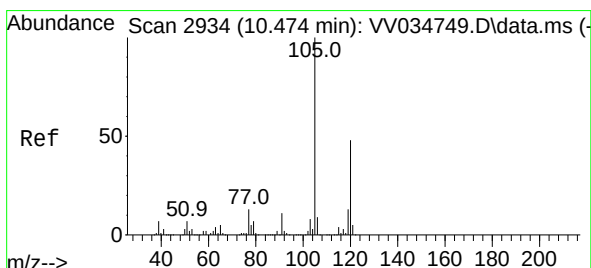
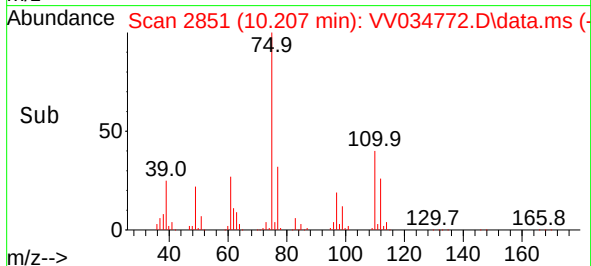
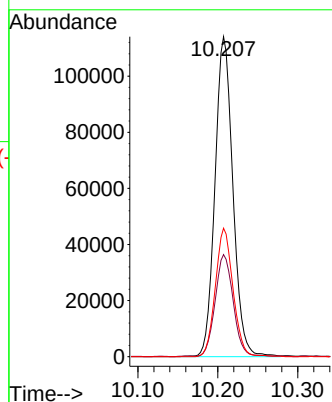
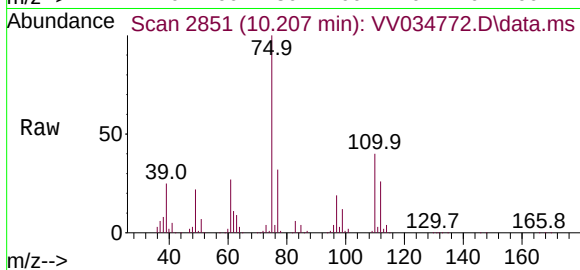
Tgt Ion: 75 Resp: 177319

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9

110 39.4 33.1 49.7



#62

1,3,5-Trimethylbenzene

Concen: 49.786 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV034772.D

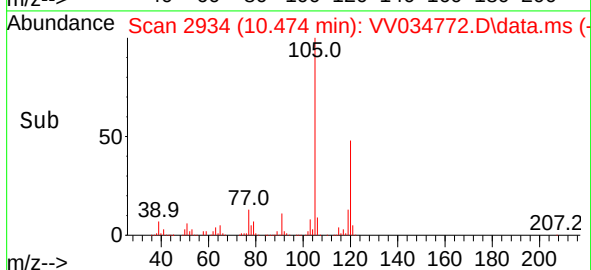
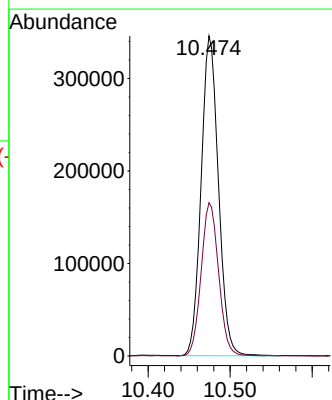
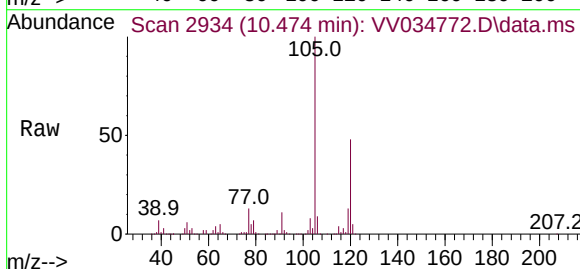
Acq: 20 Mar 2024 18:55

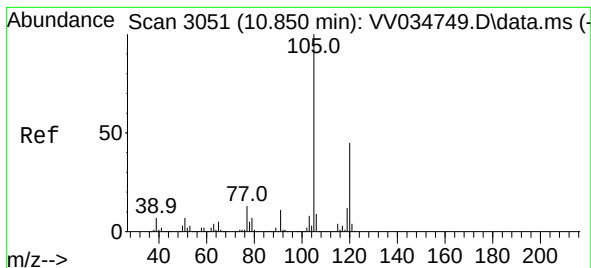
Tgt Ion:105 Resp: 505918

Ion Ratio Lower Upper

105 100

120 48.4 38.2 57.2





#63

1,2,4-Trimethylbenzene

Concen: 50.519 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

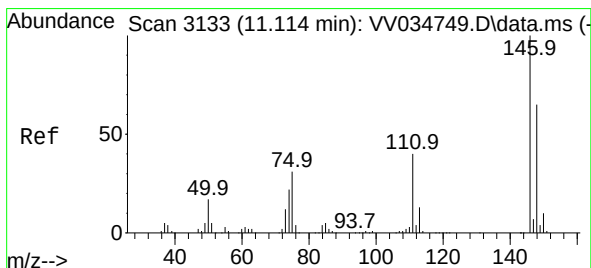
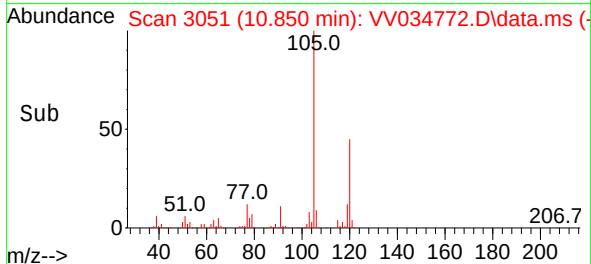
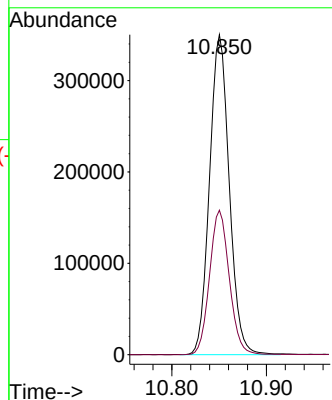
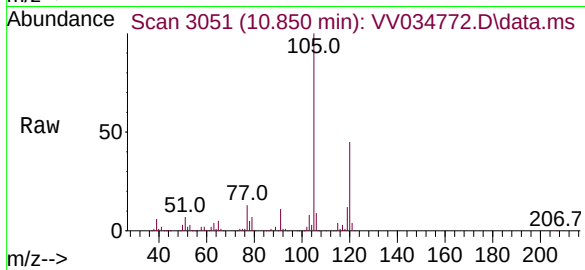
ClientSampleId :

Tgt Ion:105 Resp: 507742

Ion Ratio Lower Upper

105 100

120 45.1 36.2 54.4



#64

1,3-Dichlorobenzene

Concen: 50.031 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

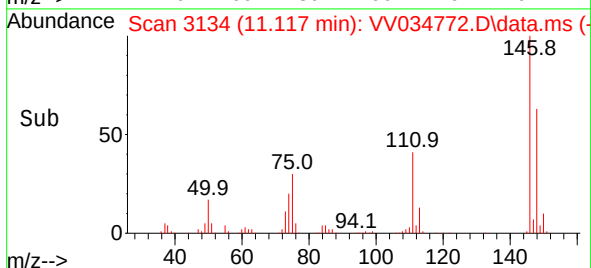
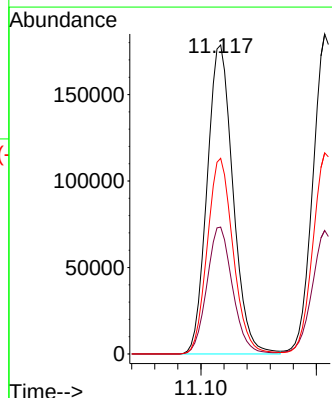
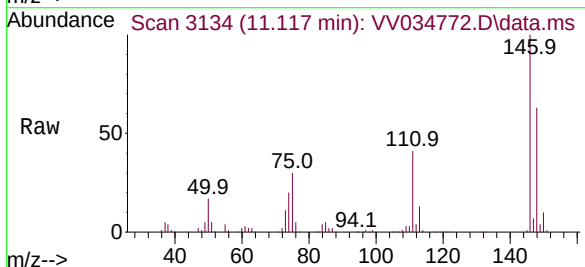
Tgt Ion:146 Resp: 278666

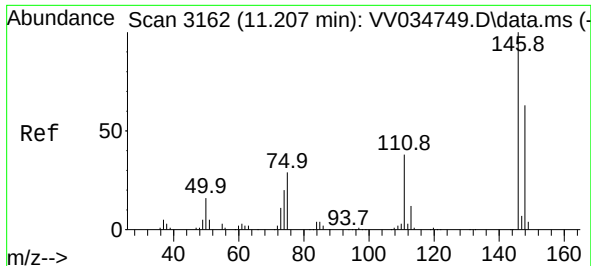
Ion Ratio Lower Upper

146 100

111 41.0 27.9 51.7

148 63.3 44.2 82.0





#65

1,4-Dichlorobenzene

Concen: 51.061 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

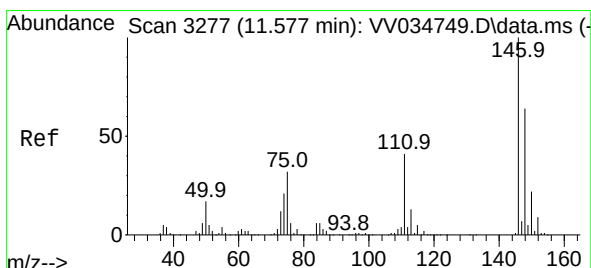
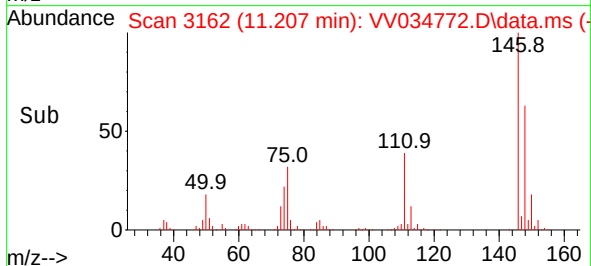
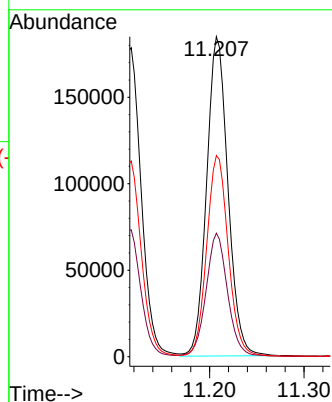
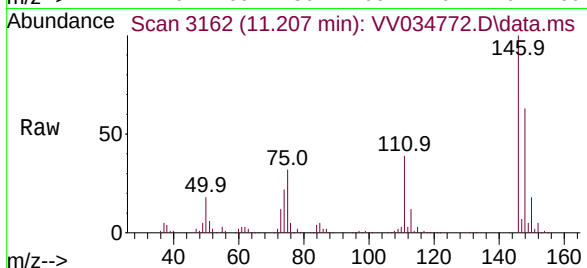
Tgt Ion:146 Resp: 288816

Ion Ratio Lower Upper

146 100

111 38.6 26.5 49.1

148 62.8 44.0 81.8



#67

1,2-Dichlorobenzene

Concen: 52.867 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

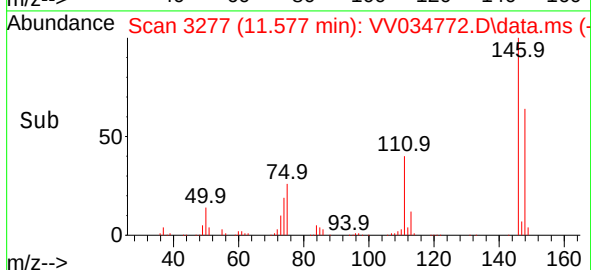
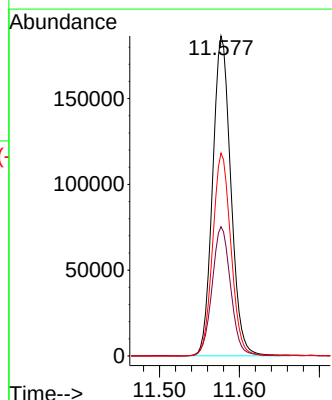
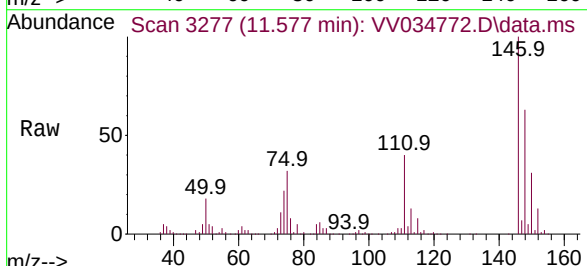
Tgt Ion:146 Resp: 295064

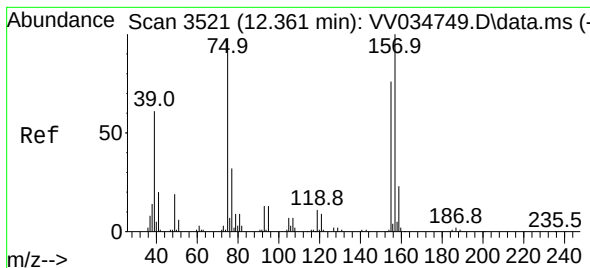
Ion Ratio Lower Upper

146 100

111 40.4 33.8 50.8

148 63.4 51.3 76.9





#68

1,2-Dibromo-3-chloropropane

Concen: 54.884 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

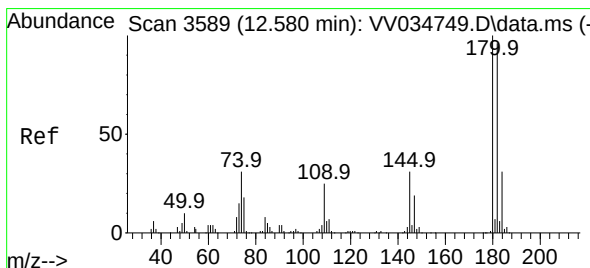
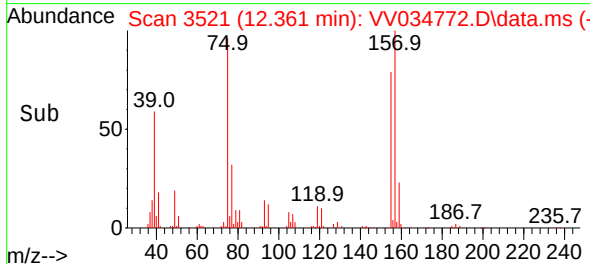
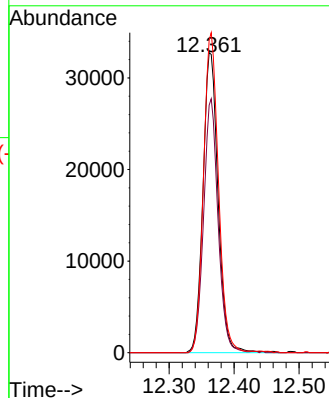
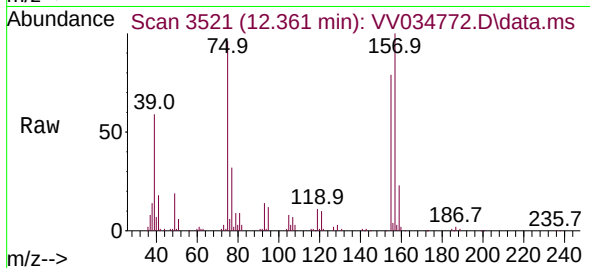
Tgt Ion: 75 Resp: 53158

Ion Ratio Lower Upper

75 100

155 82.5 63.3 94.9

157 104.2 81.4 122.0



#69

1,3,5-Trichlorobenzene

Concen: 46.054 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Tgt Ion:180 Resp: 192434

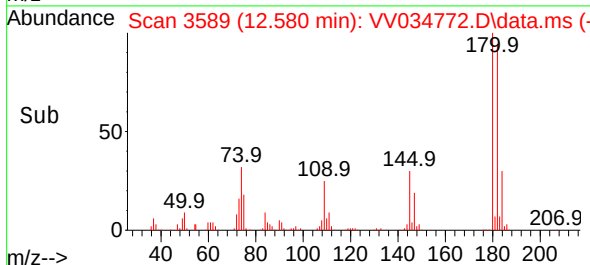
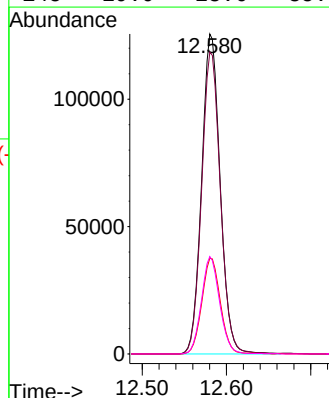
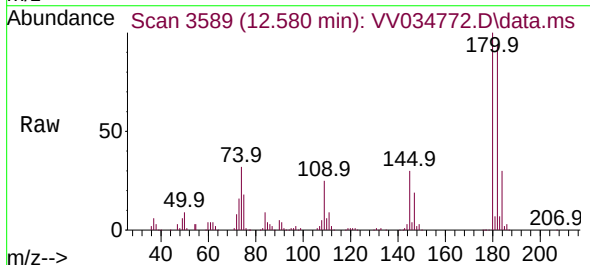
Ion Ratio Lower Upper

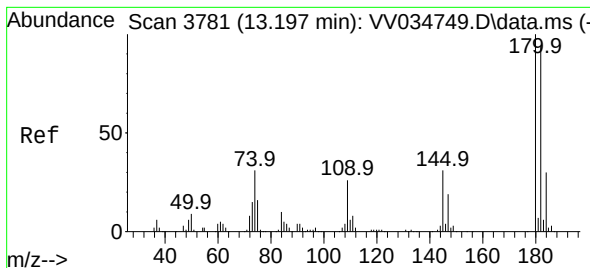
180 100

182 95.3 74.6 112.0

184 30.0 23.6 35.4

145 29.9 23.6 35.4





#70

1,2,4-trichlorobenzene

Concen: 45.684 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :

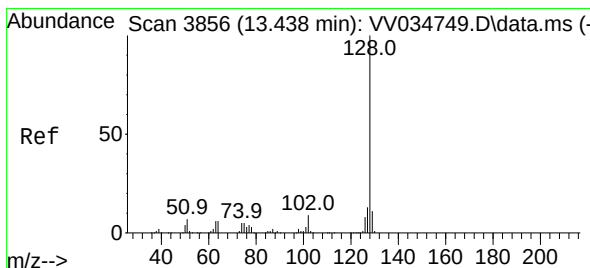
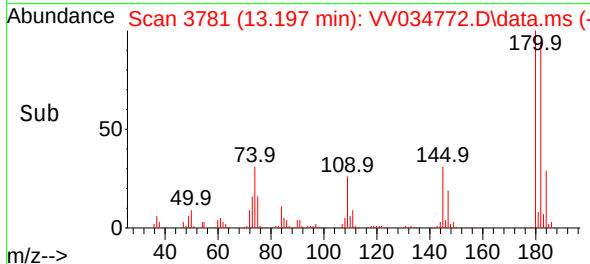
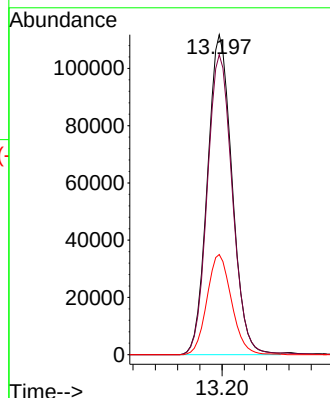
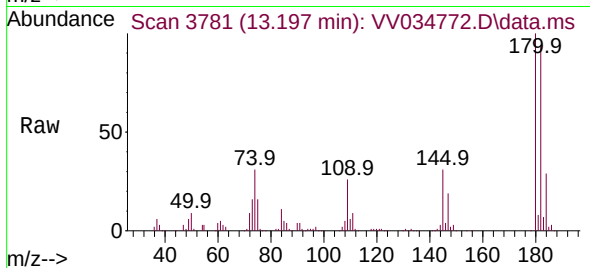
Tgt Ion:180 Resp: 171762

Ion Ratio Lower Upper

180 100

182 95.5 74.8 112.2

145 31.2 24.2 36.4



#71

Naphthalene

Concen: 43.837 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

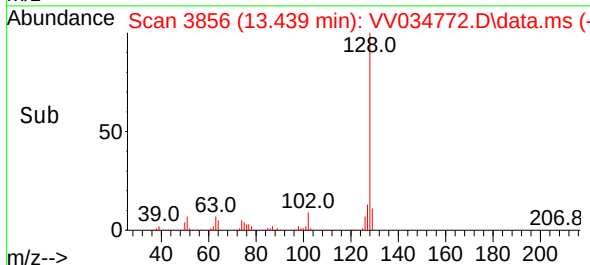
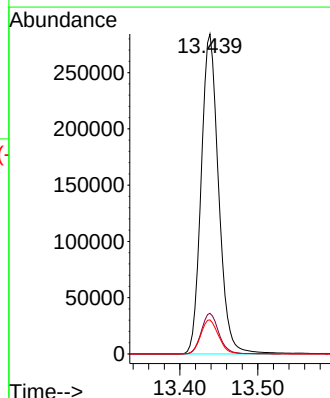
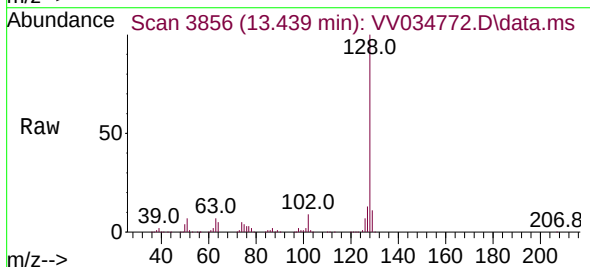
Tgt Ion:128 Resp: 440876

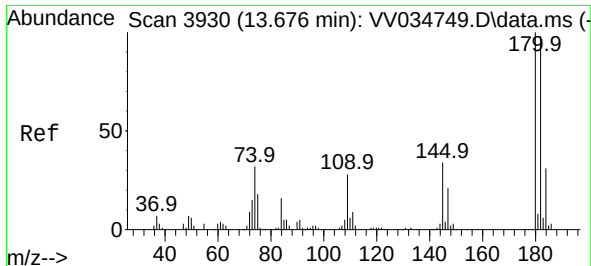
Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.9 8.7 13.1





#72

1,2,3-Trichlorobenzene

Concen: 48.307 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

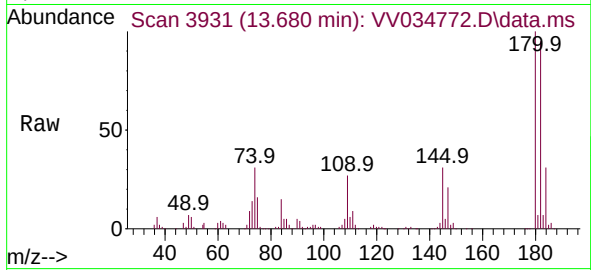
Lab File: VV034772.D

Acq: 20 Mar 2024 18:55

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 177181

Ion Ratio Lower Upper

180 100

182 94.5 75.9 113.9

145 32.2 25.5 38.3

