

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032124\
 Data File : VW034793.D
 Acq On : 21 Mar 2024 17:10
 Operator : SY/MD
 Sample : P1743-03MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 22 02:04:49 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	270557	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	323824	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	170086	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	142642	60.817	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	121.640%
7) Chloroethane-d5	1.532	69	114378	62.595	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	125.200%
11) 1,1-Dichloroethene-d2	2.060	65	43386	40.902	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.800%
21) 2-Butanone-d5	3.793	46	115808	73.834	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	73.830%
24) Chloroform-d	4.246	84	189831	45.775	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.560%
26) 1,2-Dichloroethane-d4	4.940	65	126149	46.550	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.100%
32) Benzene-d6	4.960	84	354553	36.278	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.560%
36) 1,2-Dichloropropane-d6	5.985	67	145267	48.705	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.420%
41) Toluene-d8	7.239	98	437840	49.506	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.020%
43) trans-1,3-Dichloroprop...	7.551	79	76388	51.002	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.000%
47) 2-Hexanone-d5	8.021	63	115767	77.729	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.730%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	194817	49.635	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.260%
66) 1,2-Dichlorobenzene-d4	11.558	152	169482	48.749	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	147353	51.922	ug/L	99
3) Chloromethane	1.217	50	137151	49.182	ug/L	98
5) Vinyl chloride	1.285	62	141235	52.176	ug/L	100
6) Bromomethane	1.490	94	91466	56.318	ug/L	99
8) Chloroethane	1.548	64	93016	57.813	ug/L	100
9) Trichlorofluoromethane	1.712	101	201785	49.778	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	94909	43.441	ug/L	95
12) 1,1-Dichloroethene	2.069	96	82522	40.733	ug/L	94
13) Acetone	2.124	43	96763	51.317	ug/L	97
14) Carbon disulfide	2.243	76	192482	34.234	ug/L	100
15) Methyl Acetate	2.375	43	99948	41.433	ug/L	94
16) Methylene chloride	2.445	84	98649	45.905	ug/L	91
17) trans-1,2-Dichloroethene	2.693	96	86571	44.149	ug/L	92
18) Methyl tert-butyl Ether	2.703	73	347978	49.416	ug/L	98
19) 1,1-Dichloroethane	3.111	63	171579	44.668	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	104621	49.175	ug/L	91
22) 2-Butanone	3.873	43	129225	69.402	ug/L	91
23) Bromochloromethane	4.146	128	56508	51.364	ug/L	87
25) Chloroform	4.275	83	195380	49.073	ug/L	100

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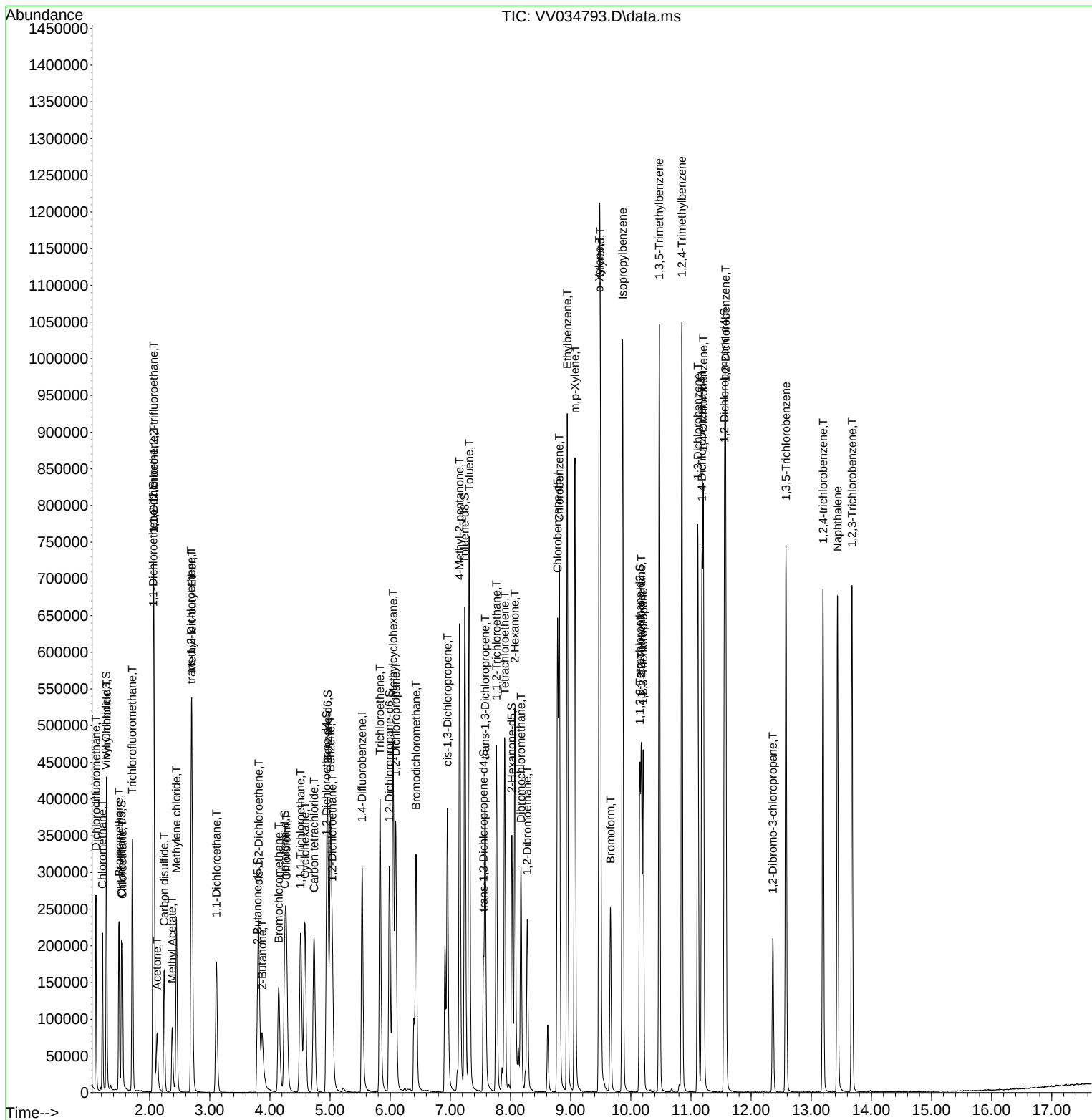
Instrument :
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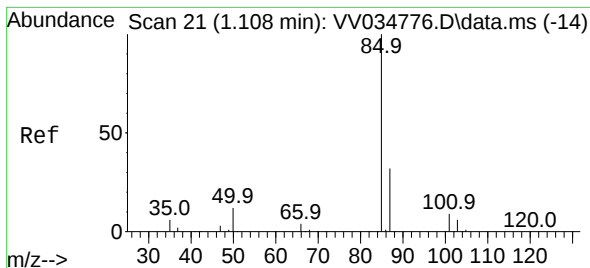
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 01:59:49 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	160413	49.591	ug/L	99
29) Cyclohexane	4.584	56	127629	29.964	ug/L	92
30) 1,1,1-Trichloroethane	4.510	97	184934	39.826	ug/L	98
31) Carbon tetrachloride	4.735	117	166040	40.387	ug/L	100
33) Benzene	5.008	78	367674	36.579	ug/L	100
34) Trichloroethene	5.831	95	138179	48.362	ug/L	95
35) Methylcyclohexane	6.050	83	203630	46.880	ug/L	98
37) 1,2-Dichloropropane	6.092	63	137603	52.289	ug/L	98
38) Bromodichloromethane	6.429	83	198743	53.691	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	233440	54.751	ug/L	98
40) 4-Methyl-2-pentanone	7.153	43	423203	109.061	ug/L	97
42) Toluene	7.313	91	548478	51.558	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	222910	54.360	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	142460	56.106	ug/L	99
46) Tetrachloroethene	7.905	164	104296	49.084	ug/L	99
48) 2-Hexanone	8.072	43	337505	109.151	ug/L	97
49) Dibromochloromethane	8.175	129	150416	56.137	ug/L	99
50) 1,2-Dibromoethane	8.278	107	146216	54.267	ug/L	98
51) Chlorobenzene	8.812	112	363369	52.837	ug/L	99
52) Ethylbenzene	8.944	91	627147	52.614	ug/L	99
53) m,p-Xylene	9.072	106	234181	51.773	ug/L	98
54) o-Xylene	9.477	106	236229	53.334	ug/L	100
55) Styrene	9.493	104	410475	54.735	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	217811	57.113	ug/L	100
59) Bromoform	9.664	173	106723	56.594	ug/L	99
60) Isopropylbenzene	9.866	105	654300	54.392	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	180234	55.512	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	541272	53.341	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	544921	54.296	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	299998	53.938	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	303592	53.751	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	301460	54.091	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	52245	54.019	ug/L	94
69) 1,3,5-Trichlorobenzene	12.580	180	222055	53.219	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	196574	52.358	ug/L	98
71) Naphthalene	13.438	128	522190	51.997	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	197694	53.977	ug/L	98

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

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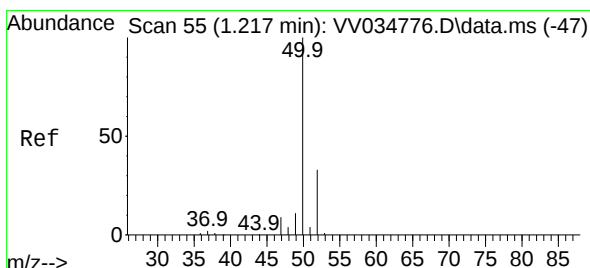
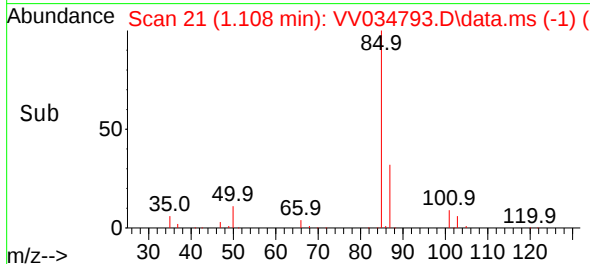
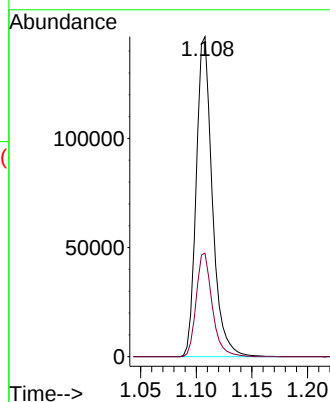
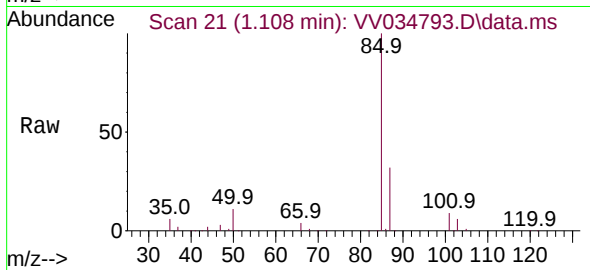




#2
 Dichlorodifluoromethane
 Concen: 51.922 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV034793.D
 Acq: 21 Mar 2024 17:10

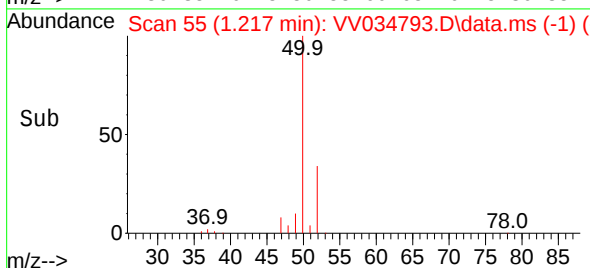
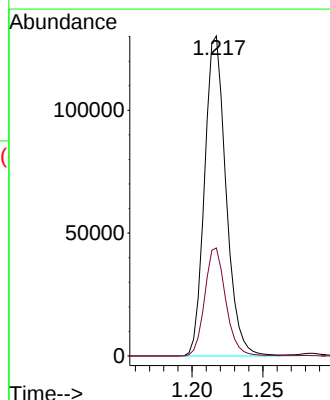
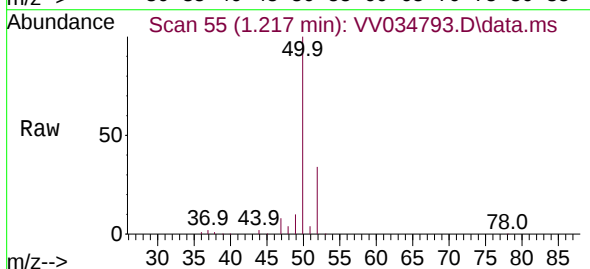
Instrument :
 MSVOA_V
 ClientSampleId :

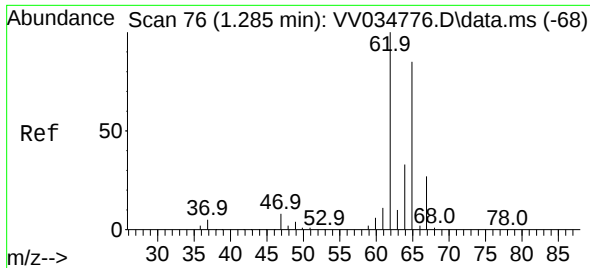
Tgt Ion: 85 Resp: 147353
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.5 38.3



#3
 Chloromethane
 Concen: 49.182 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV034793.D
 Acq: 21 Mar 2024 17:10

Tgt Ion: 50 Resp: 137151
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.0 42.8

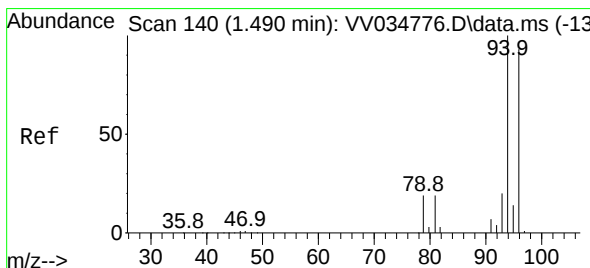
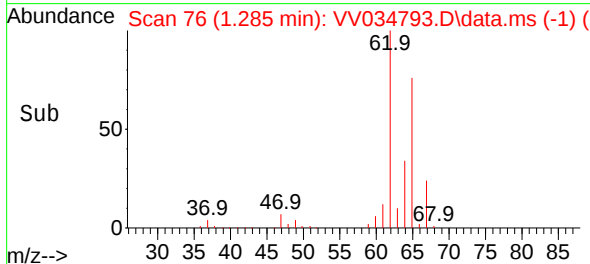
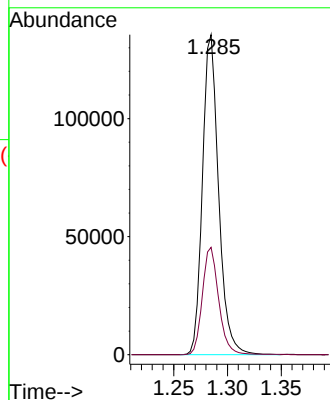
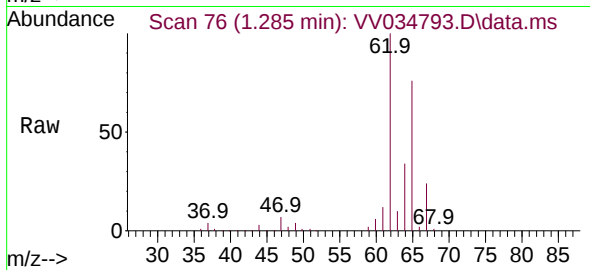




#5
 Vinyl chloride
 Concen: 52.176 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV034793.D
 Acq: 21 Mar 2024 17:10

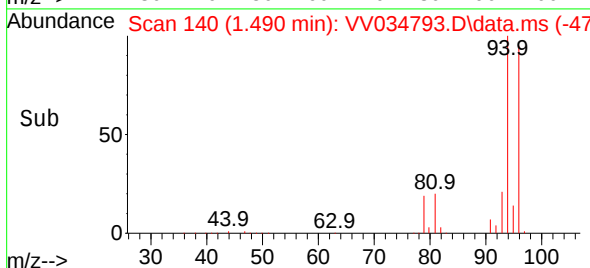
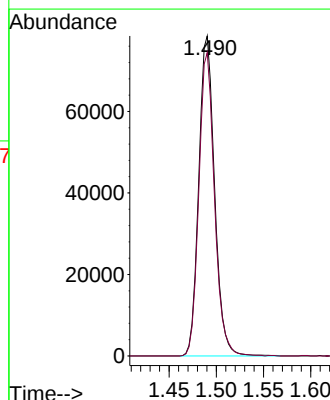
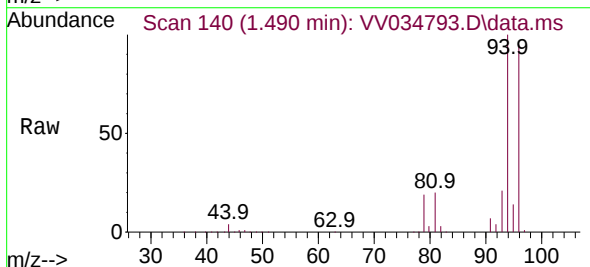
Instrument :
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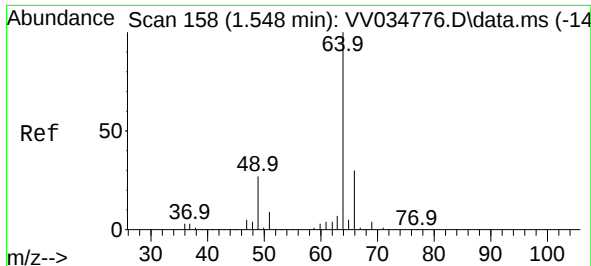
Tgt Ion: 62 Resp: 141235
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.4 43.6



#6
 Bromomethane
 Concen: 56.318 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV034793.D
 Acq: 21 Mar 2024 17:10

Tgt Ion: 94 Resp: 91466
 Ion Ratio Lower Upper
 94 100
 96 94.8 66.0 122.6

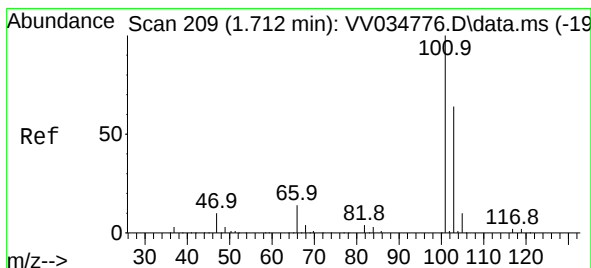
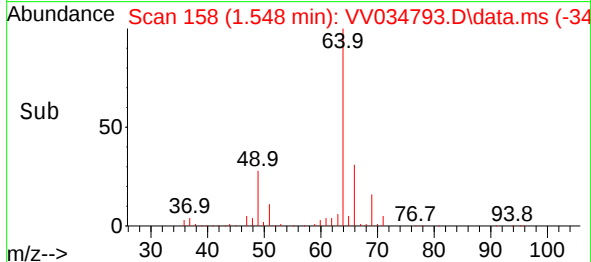
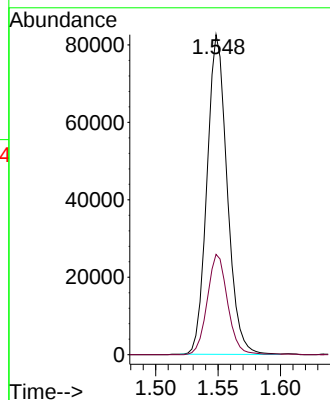
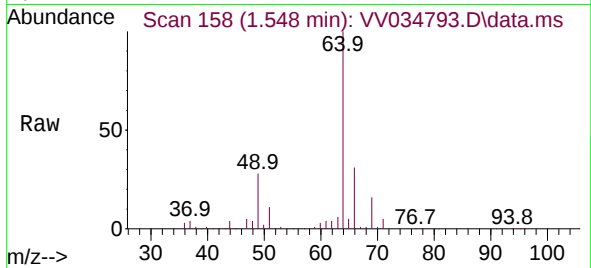




#8
Chloroethane
Concen: 57.813 ug/L
RT: 1.548 min Scan# 158
Delta R.T. 0.000 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

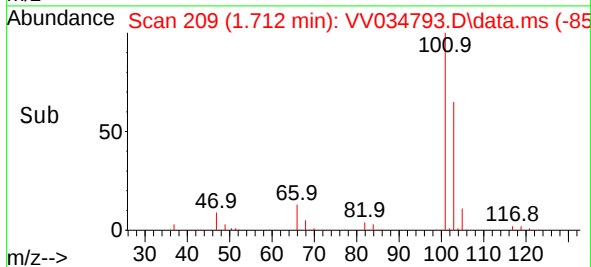
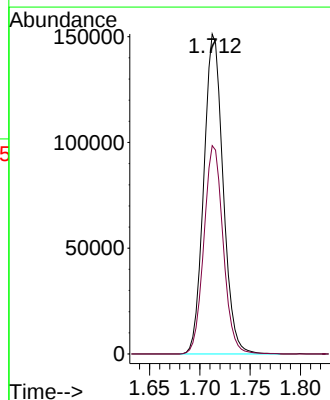
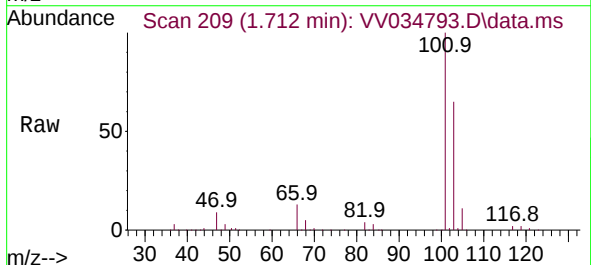
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MSVOA_V
ClientSampleId :

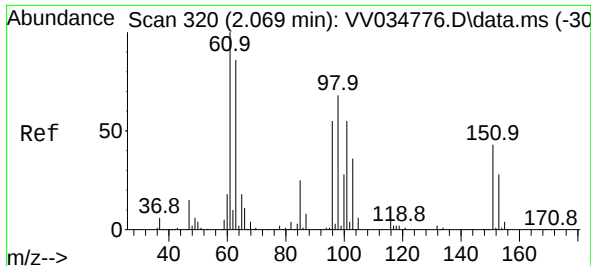
Tgt Ion: 64 Resp: 93016
Ion Ratio Lower Upper
64 100
66 31.3 22.0 40.8



#9
Trichlorofluoromethane
Concen: 49.778 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

Tgt Ion:101 Resp: 201785
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.8

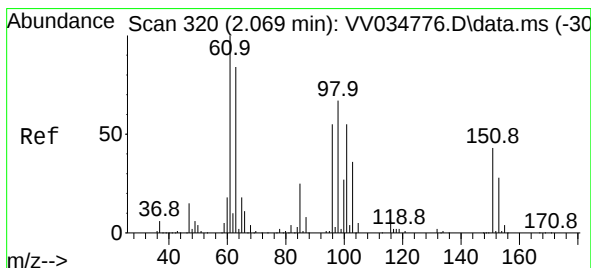
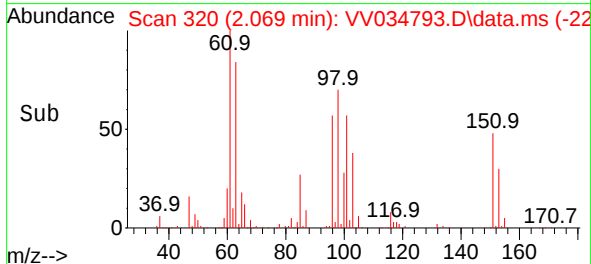
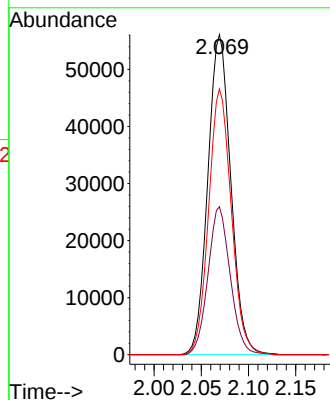
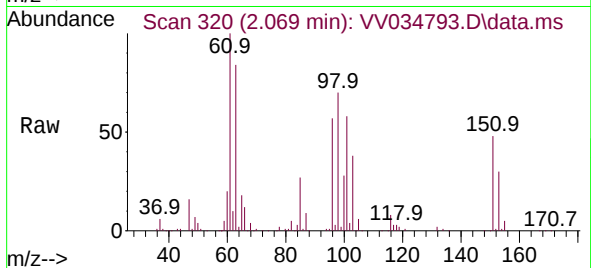




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.441 ug/L
RT: 2.069 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

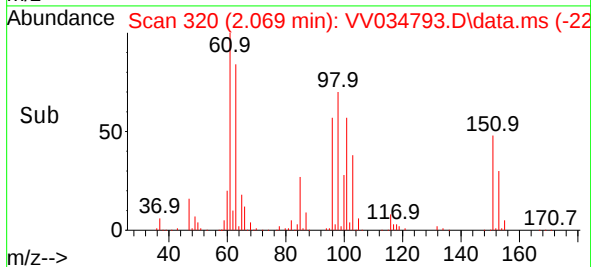
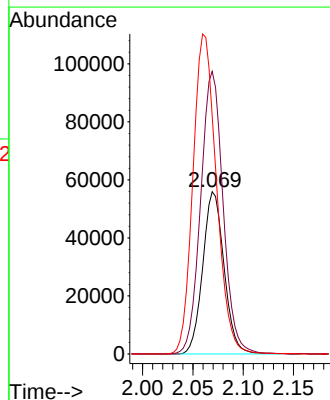
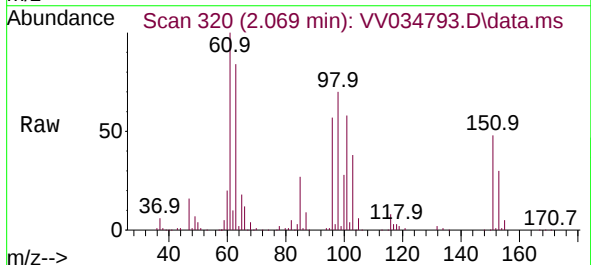
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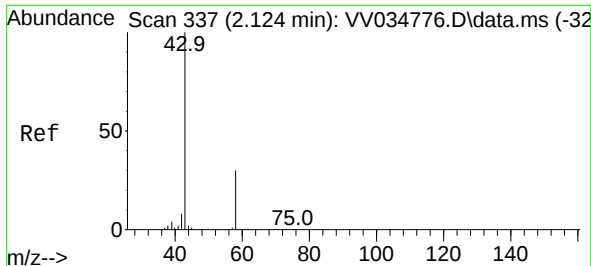
Tgt Ion:101 Resp: 94909
Ion Ratio Lower Upper
101 100
85 44.7 37.4 56.0
151 81.9 61.4 92.2



#12
1,1-Dichloroethene
Concen: 40.733 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

Tgt Ion: 96 Resp: 82522
Ion Ratio Lower Upper
96 100
61 174.2 128.9 239.3
63 146.7 98.0 182.0





#13

Acetone

Concen: 51.317 ug/L

RT: 2.124 min Scan# 337

Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

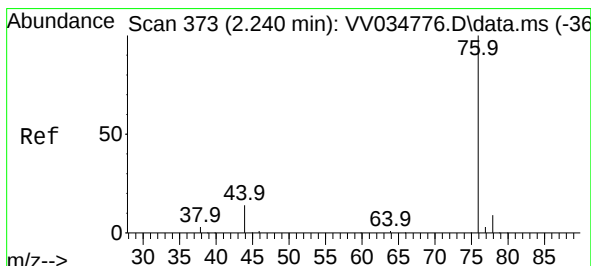
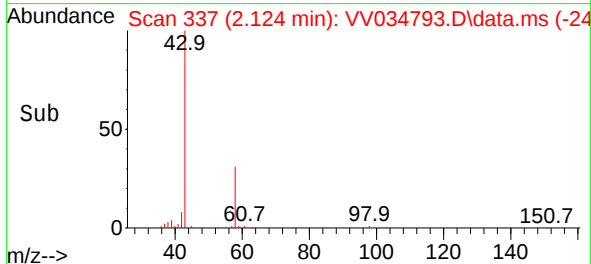
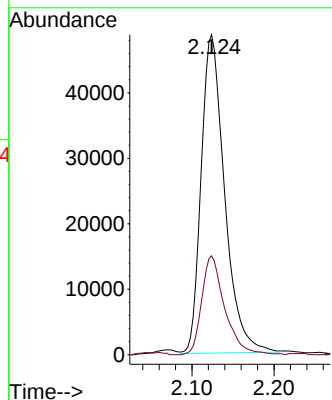
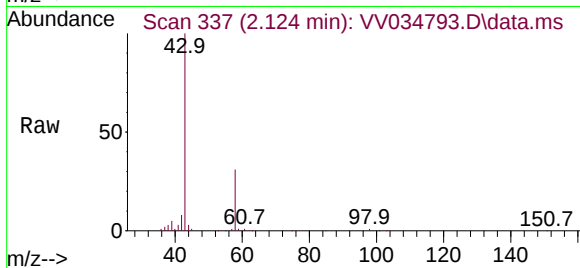
ClientSampleId :

Tgt Ion: 43 Resp: 96763

Ion Ratio Lower Upper

43 100

58 30.4 0.0 57.2



#14

Carbon disulfide

Concen: 34.234 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV034793.D

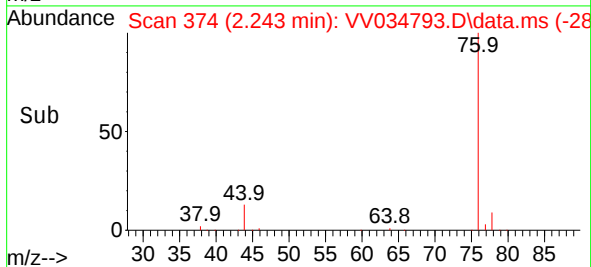
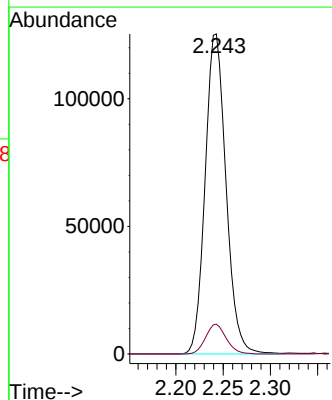
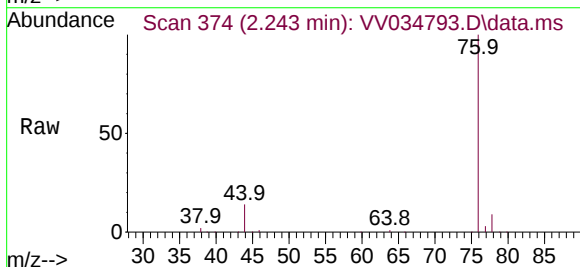
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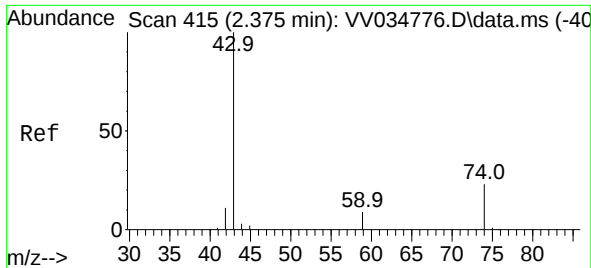
Tgt Ion: 76 Resp: 192482

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

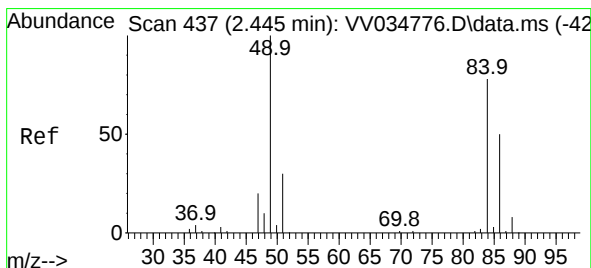
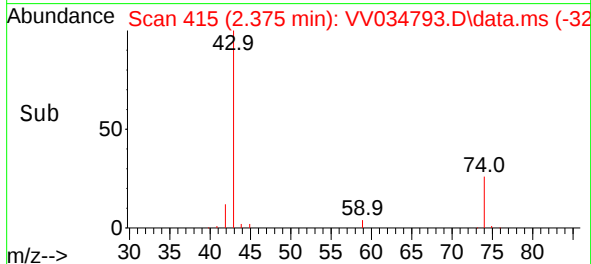
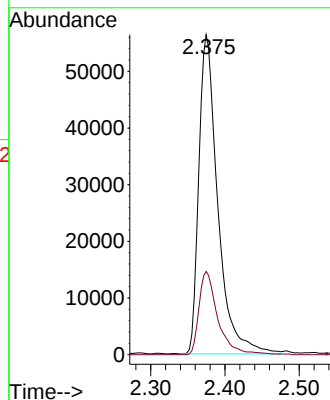
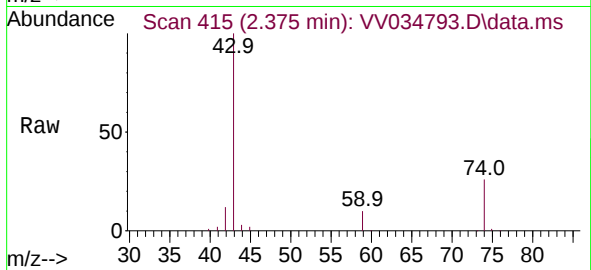




#15
Methyl Acetate
Concen: 41.433 ug/L
RT: 2.375 min Scan# 415
Delta R.T. 0.000 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

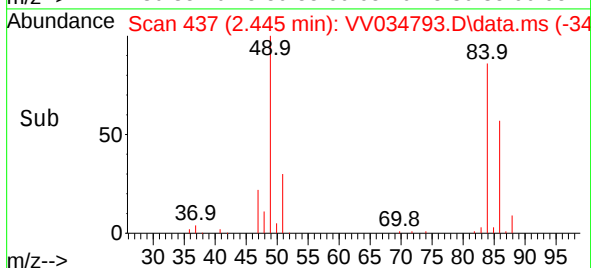
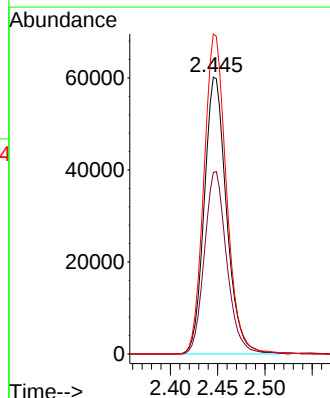
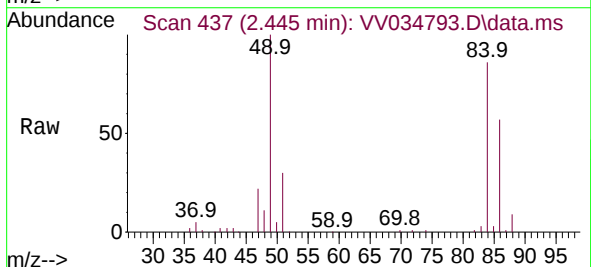
Instrument :
MSVOA_V
ClientSampleId :

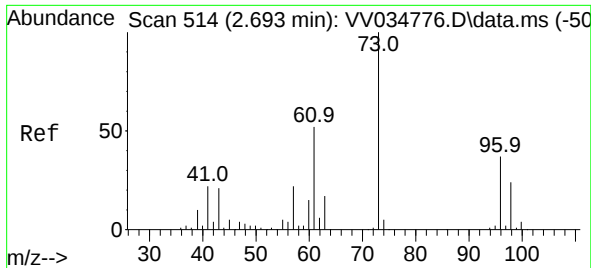
Tgt Ion: 43 Resp: 99948
Ion Ratio Lower Upper
43 100
74 25.1 17.8 26.8



#16
Methylene chloride
Concen: 45.905 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

Tgt Ion: 84 Resp: 98649
Ion Ratio Lower Upper
84 100
86 65.6 45.6 84.6
49 115.6 92.3 171.3

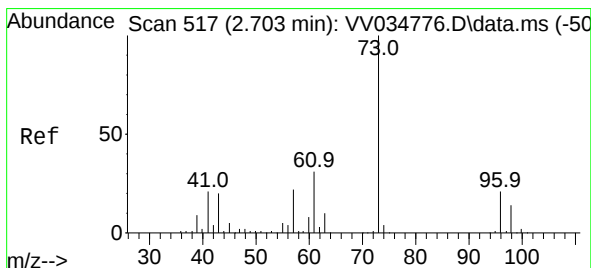
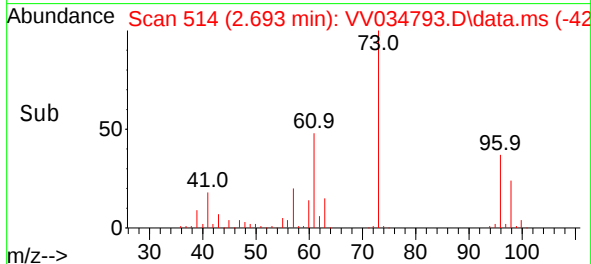
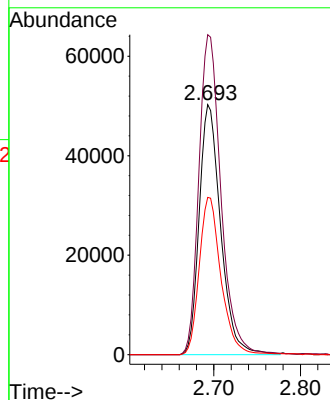
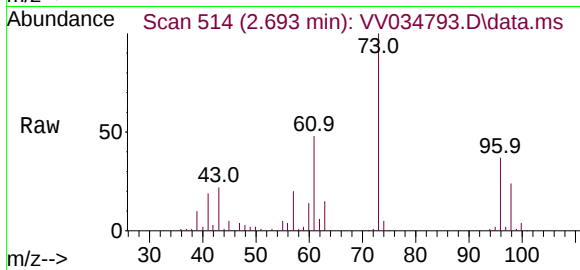




#17
trans-1,2-Dichloroethene
Concen: 44.149 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

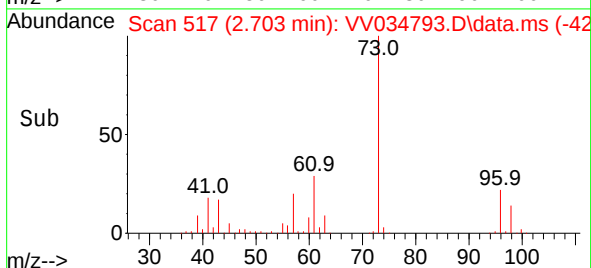
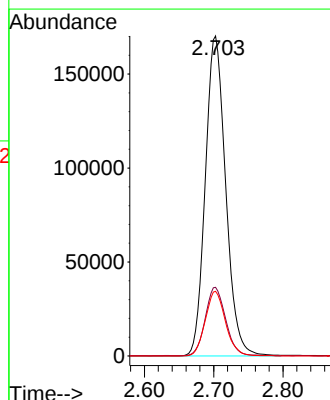
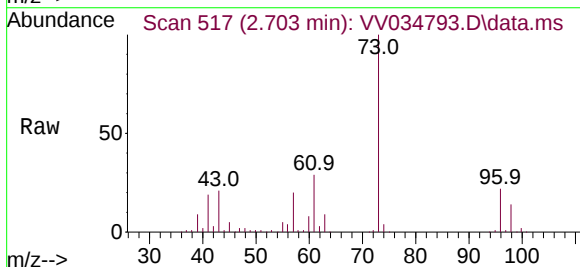
Instrument :
MSVOA_V
ClientSampleId :

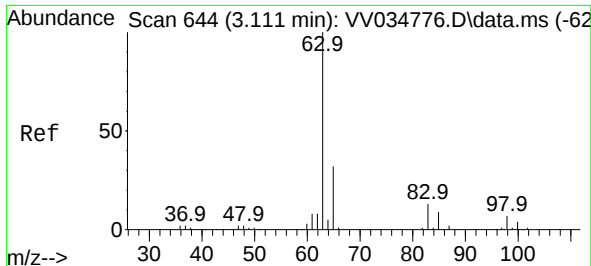
Tgt Ion: 96 Resp: 86571
Ion Ratio Lower Upper
96 100
61 128.0 98.8 183.4
98 62.9 46.1 85.5



#18
Methyl tert-butyl Ether
Concen: 49.416 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

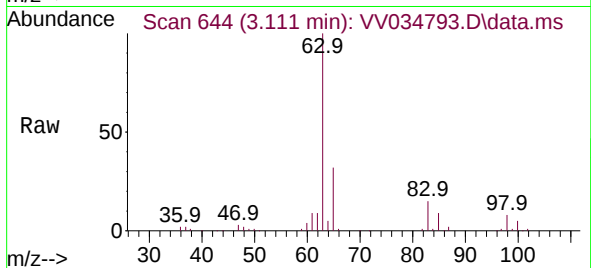
Tgt Ion: 73 Resp: 347978
Ion Ratio Lower Upper
73 100
43 21.2 17.1 25.7
57 20.1 17.6 26.4





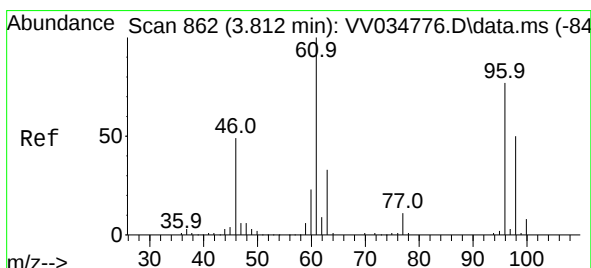
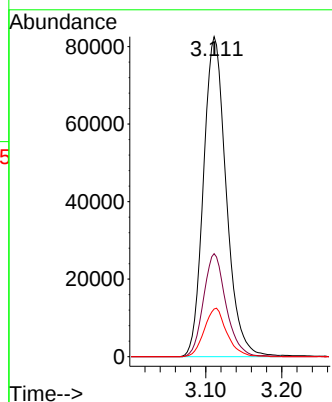
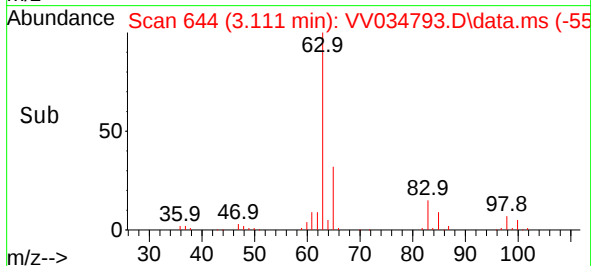
#19
1,1-Dichloroethane
Concen: 44.668 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.000 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 63 Resp: 171579

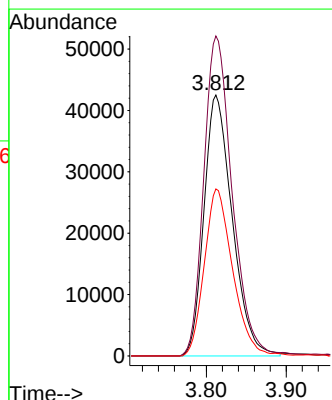
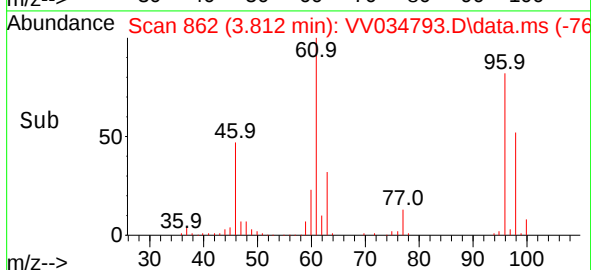
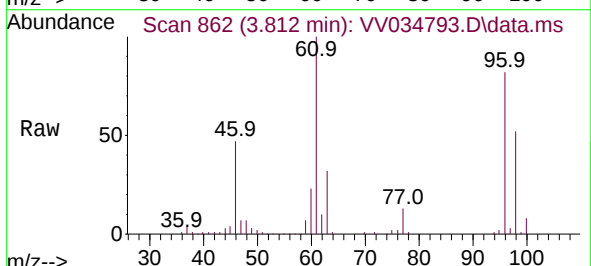
Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.1	41.1
83	14.9	9.9	18.3

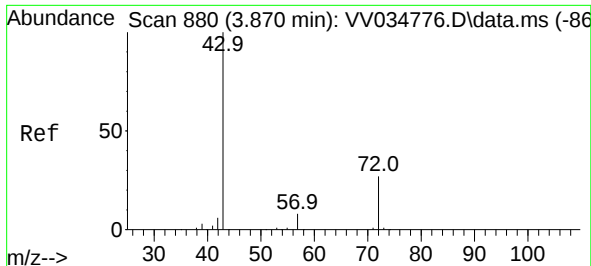


#20
cis-1,2-Dichloroethene
Concen: 49.175 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

Tgt Ion: 96 Resp: 104621

Ion	Ratio	Lower	Upper
96	100		
61	122.6	96.0	178.4
98	64.0	46.0	85.4





#22

2-Butanone

Concen: 69.402 ug/L

RT: 3.873 min Scan# 880

Delta R.T. 0.003 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

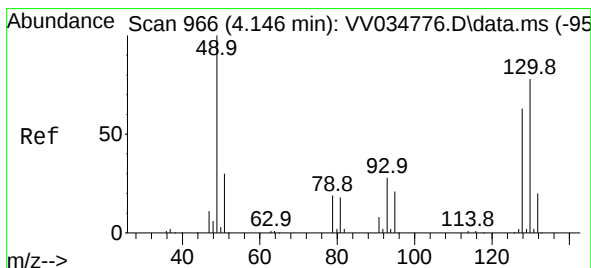
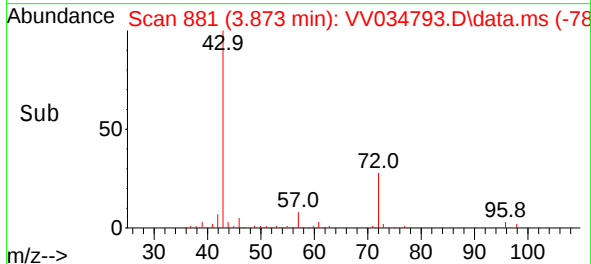
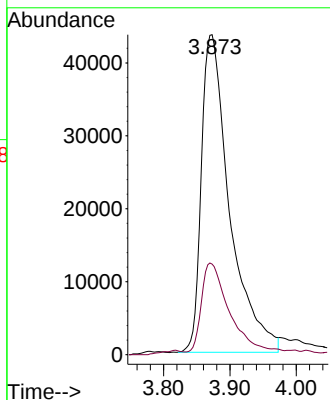
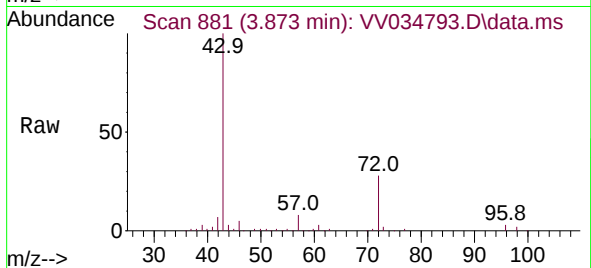
ClientSampleId :

Tgt Ion: 43 Resp: 129225

Ion Ratio Lower Upper

43 100

72 27.1 11.5 34.4



#23

Bromochloromethane

Concen: 51.364 ug/L

RT: 4.146 min Scan# 966

Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Tgt Ion:128 Resp: 56508

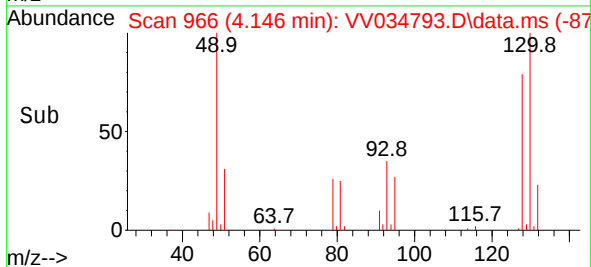
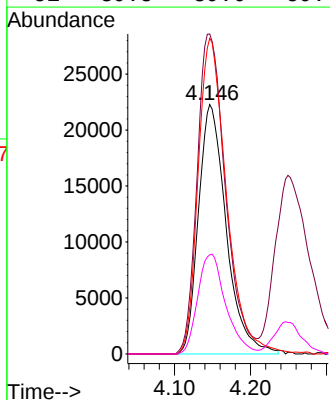
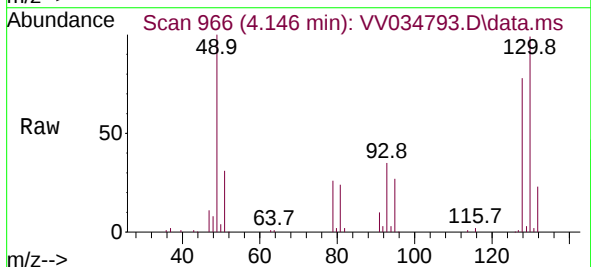
Ion Ratio Lower Upper

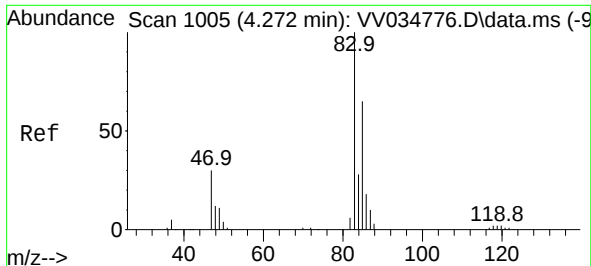
128 100

49 128.3 109.4 203.2

130 126.5 87.7 162.9

51 39.8 39.6 59.4





#25

Chloroform

Concen: 49.073 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

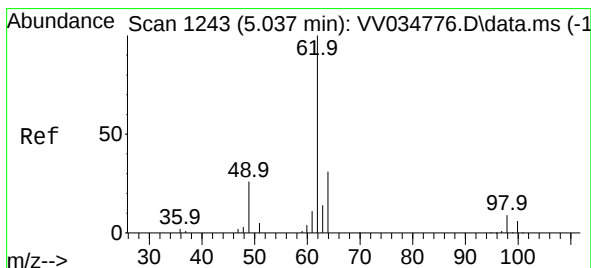
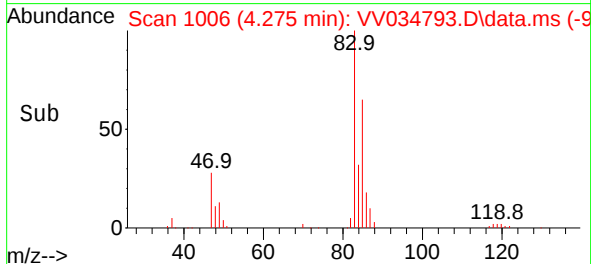
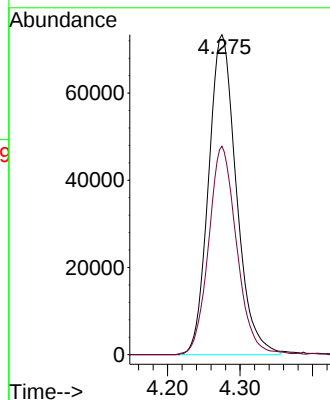
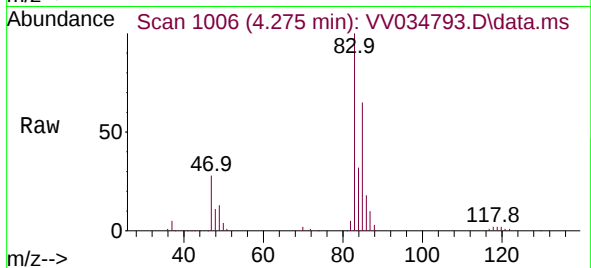
ClientSampleId :

Tgt Ion: 83 Resp: 195380

Ion Ratio Lower Upper

83 100

85 65.2 45.5 84.5



#27

1,2-Dichloroethane

Concen: 49.591 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV034793.D

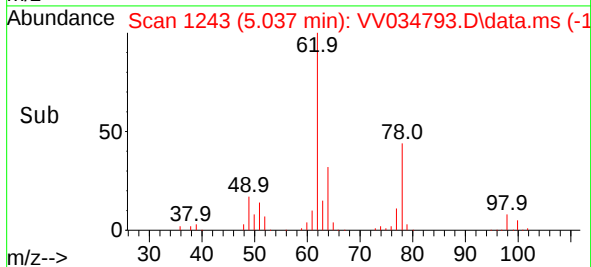
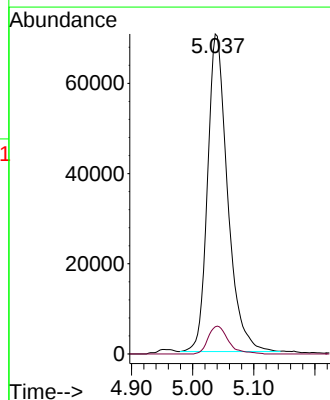
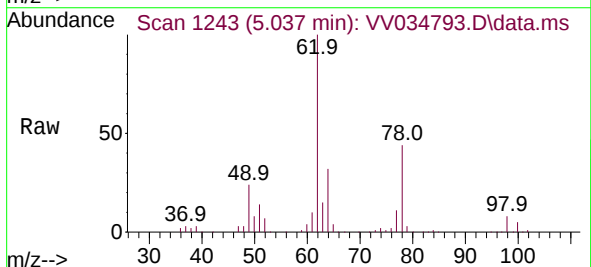
Acq: 21 Mar 2024 17:10

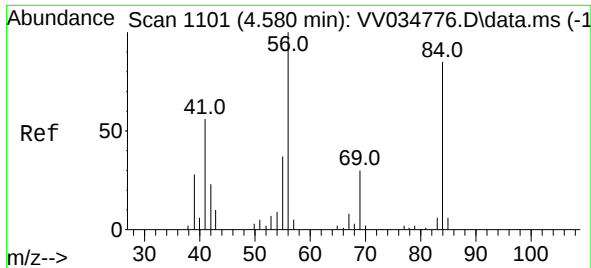
Tgt Ion: 62 Resp: 160413

Ion Ratio Lower Upper

62 100

98 8.5 6.6 10.0





#29

Cyclohexane

Concen: 29.964 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 56 Resp: 127629

Ion Ratio Lower Upper

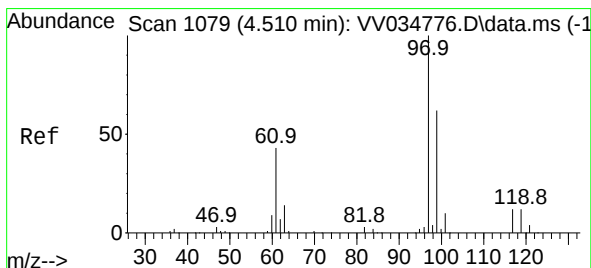
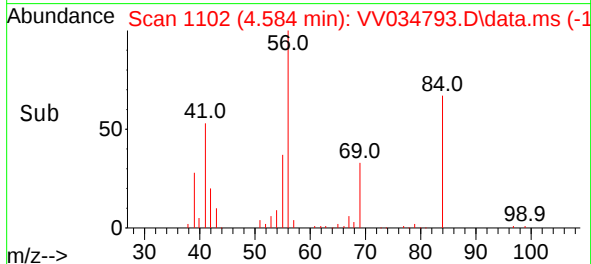
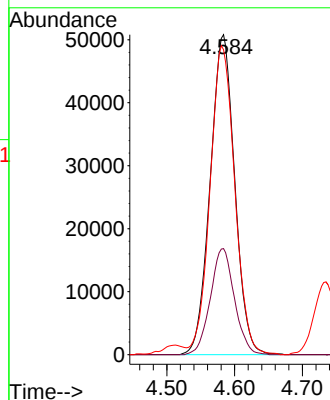
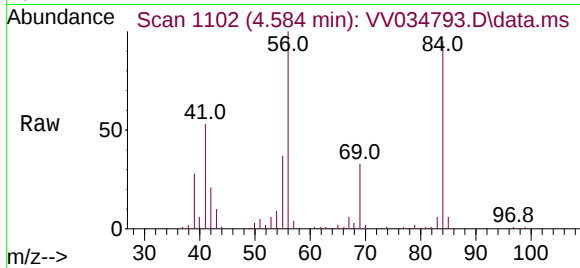
56 100

69 32.5

84 97.3

24.2 36.4

70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 39.826 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Tgt Ion: 97 Resp: 184934

Ion Ratio Lower Upper

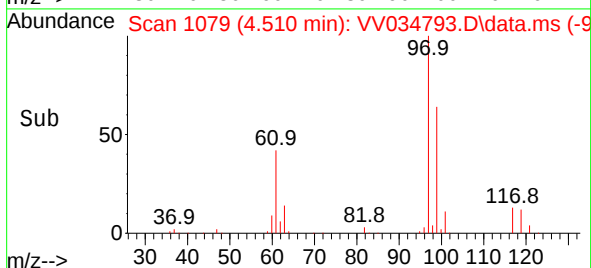
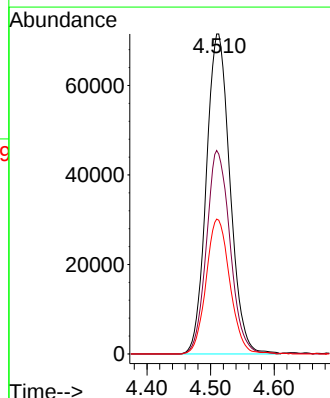
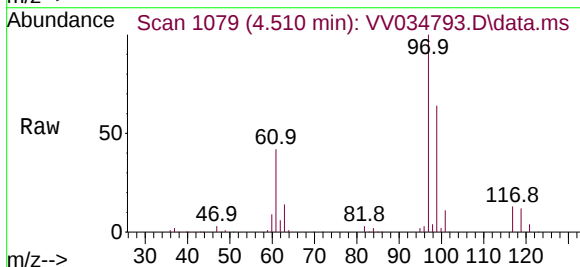
97 100

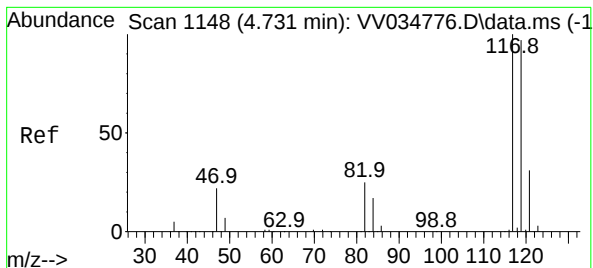
99 63.5

61 42.1

51.3 76.9

36.0 54.0





#31

Carbon tetrachloride

Concen: 40.387 ug/L

RT: 4.735 min Scan# 1148

Delta R.T. 0.003 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

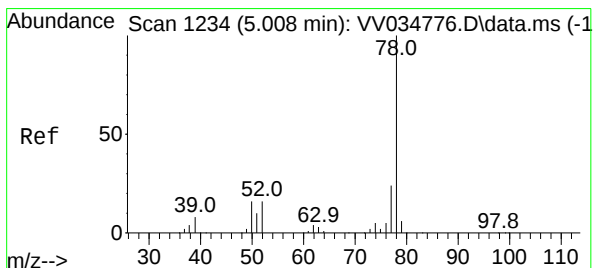
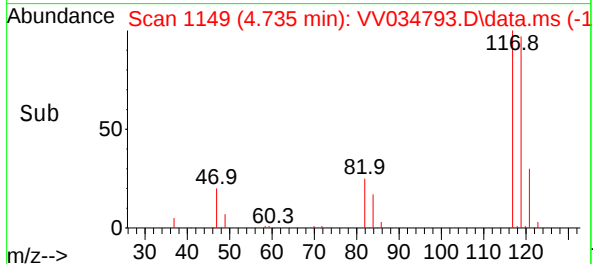
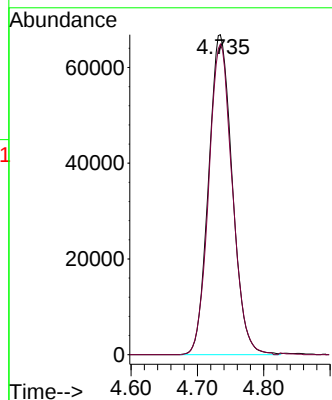
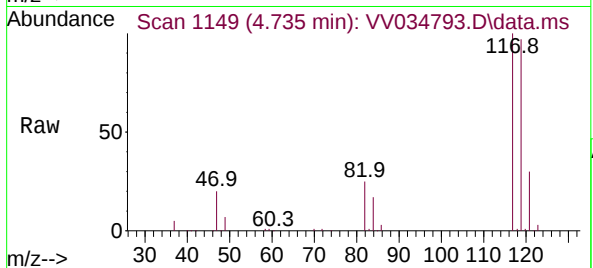
ClientSampleId :

Tgt Ion:117 Resp: 166040

Ion Ratio Lower Upper

117 100

119 96.7 77.5 116.3



#33

Benzene

Concen: 36.579 ug/L

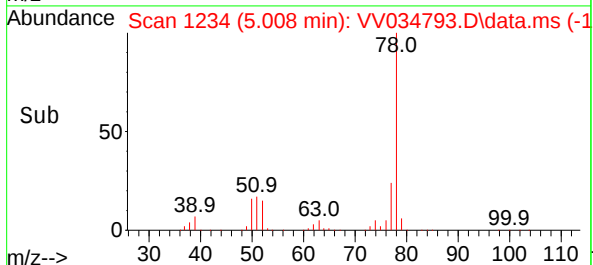
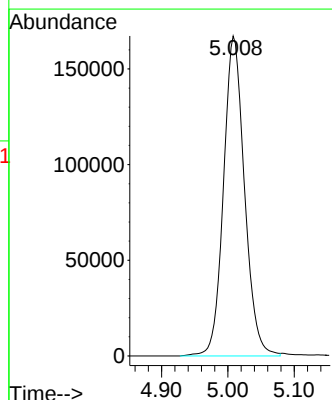
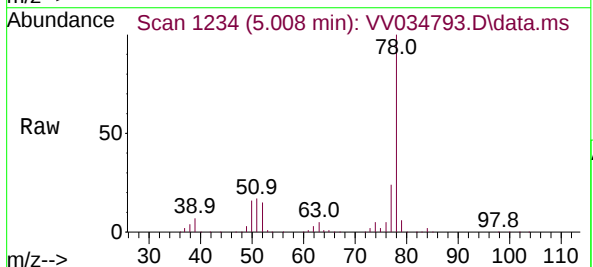
RT: 5.008 min Scan# 1234

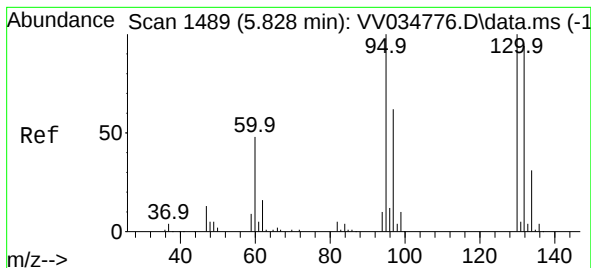
Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Tgt Ion: 78 Resp: 367674





#34

Trichloroethene

Concen: 48.362 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 138179

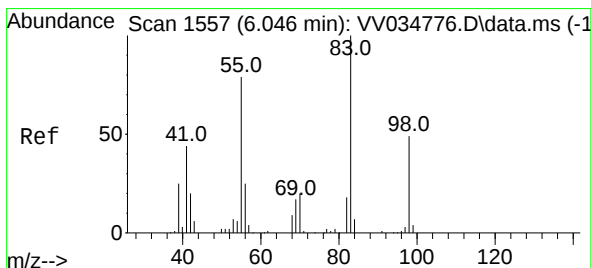
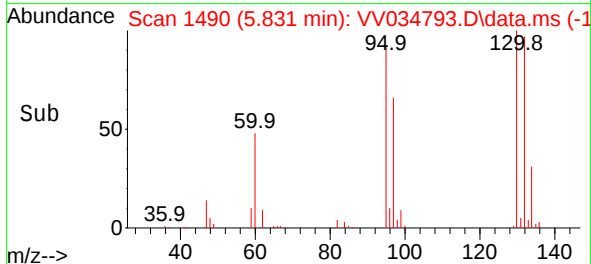
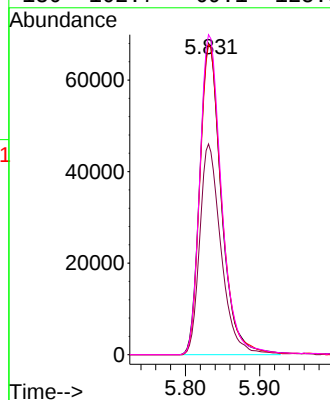
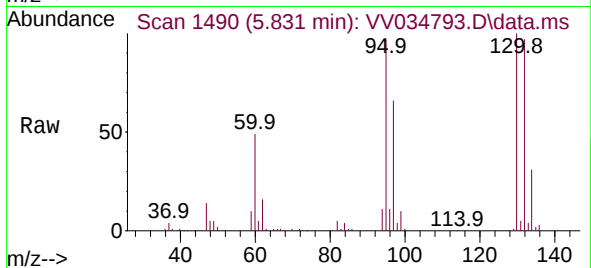
Ion Ratio Lower Upper

95 100

97 67.7 44.7 83.1

132 99.7 65.3 121.3

130 102.7 69.1 128.3



#35

Methylcyclohexane

Concen: 46.880 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

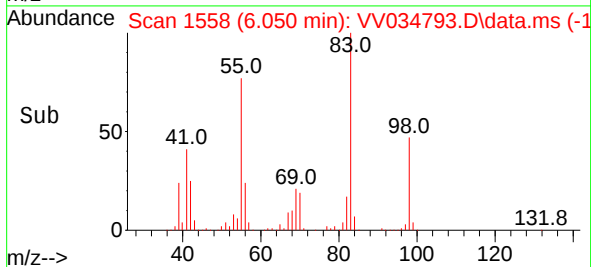
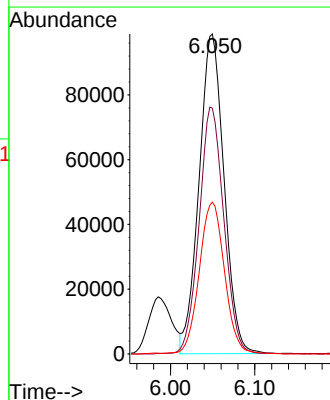
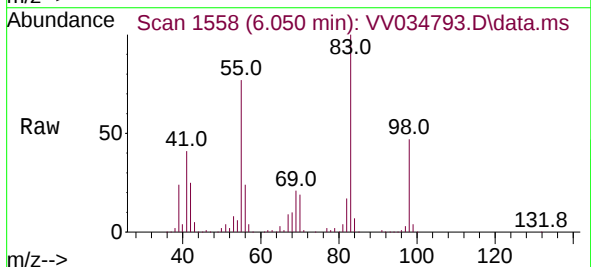
Tgt Ion: 83 Resp: 203630

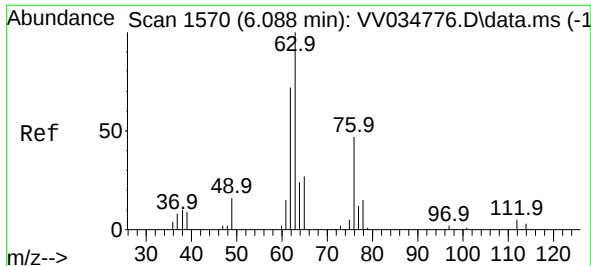
Ion Ratio Lower Upper

83 100

55 76.5 62.6 94.0

98 48.1 39.5 59.3

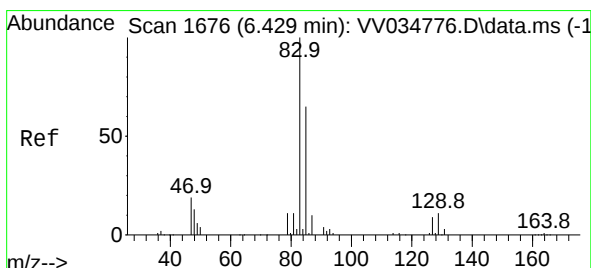
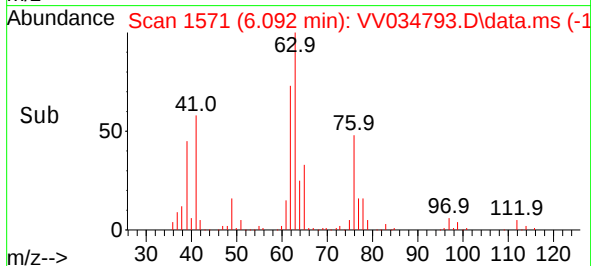
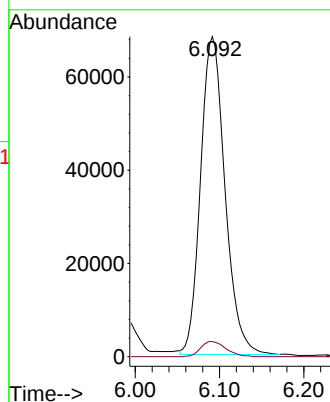
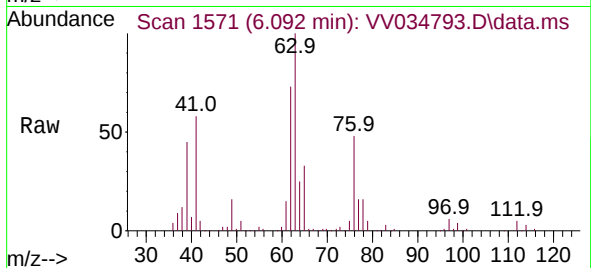




#37
1,2-Dichloropropane
Concen: 52.289 ug/L
RT: 6.092 min Scan# 1570
Delta R.T. 0.003 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

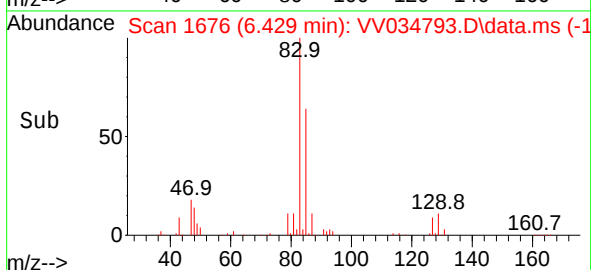
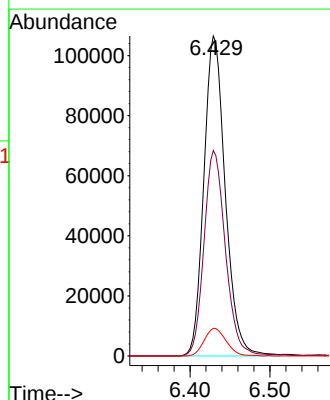
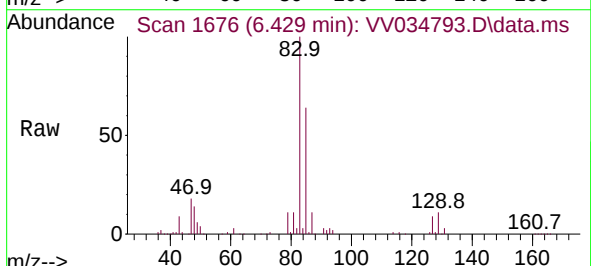
Instrument :
MSVOA_V
ClientSampleId :

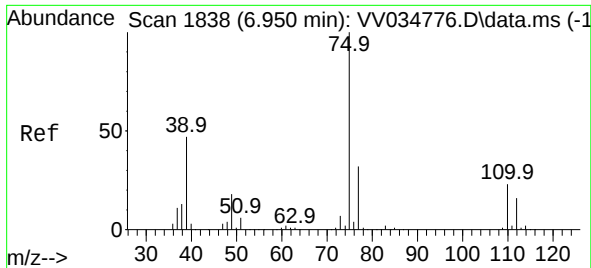
Tgt Ion: 63 Resp: 137603
Ion Ratio Lower Upper
63 100
112 4.9 3.5 5.3



#38
Bromodichloromethane
Concen: 53.691 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

Tgt Ion: 83 Resp: 198743
Ion Ratio Lower Upper
83 100
85 64.2 44.6 82.8
127 8.6 6.9 10.3

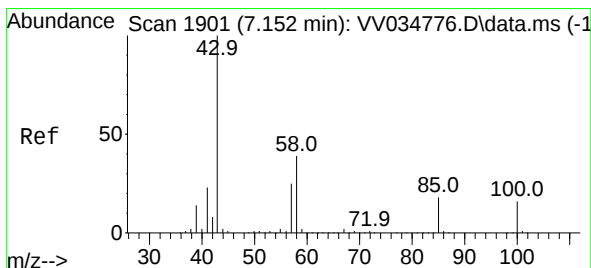
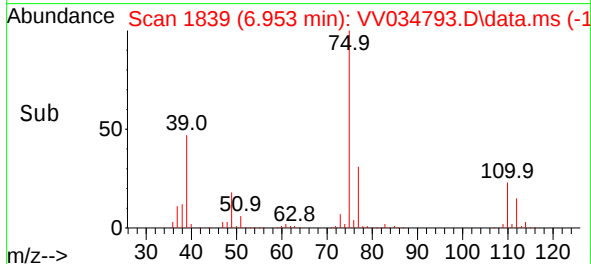
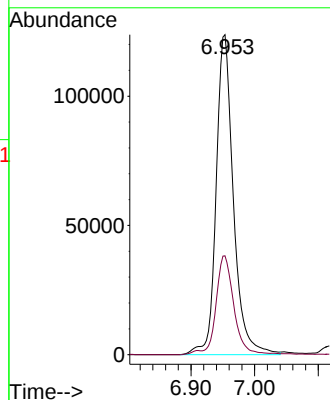
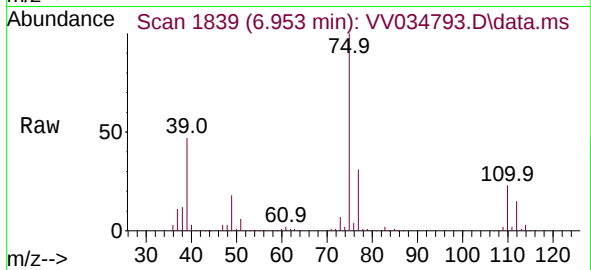




#39
 cis-1,3-Dichloropropene
 Concen: 54.751 ug/L
 RT: 6.953 min Scan# 1839
 Delta R.T. 0.003 min
 Lab File: VV034793.D
 Acq: 21 Mar 2024 17:10

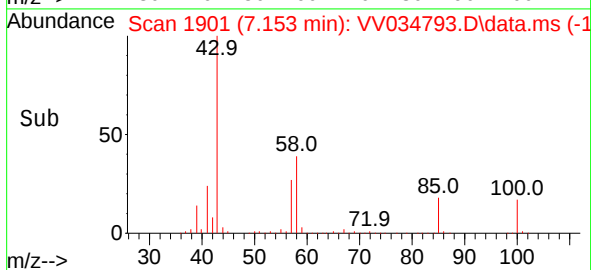
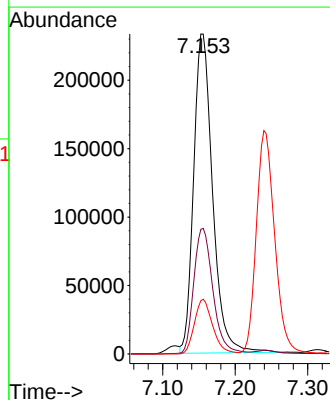
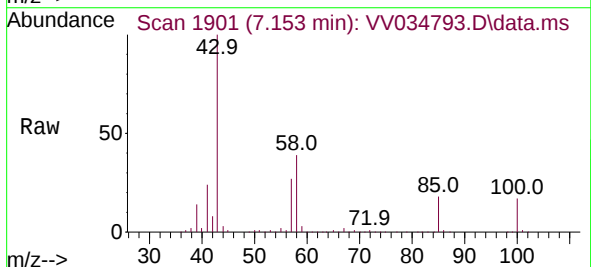
Instrument :
 MSVOA_V
 ClientSampleId :

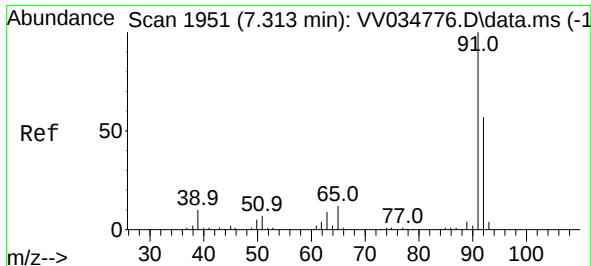
Tgt Ion: 75 Resp: 233440
 Ion Ratio Lower Upper
 75 100
 77 30.9 20.9 38.9



#40
 4-Methyl-2-pentanone
 Concen: 109.061 ug/L
 RT: 7.153 min Scan# 1901
 Delta R.T. 0.000 min
 Lab File: VV034793.D
 Acq: 21 Mar 2024 17:10

Tgt Ion: 43 Resp: 423203
 Ion Ratio Lower Upper
 43 100
 58 39.9 30.6 46.0
 100 16.5 12.5 18.7





#42

Toluene

Concen: 51.558 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

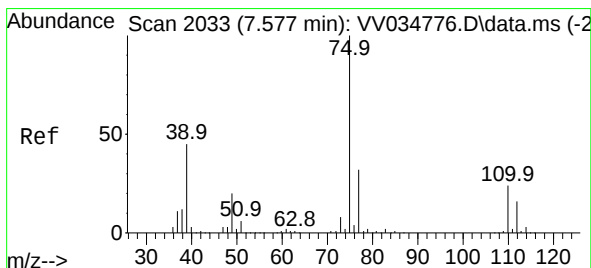
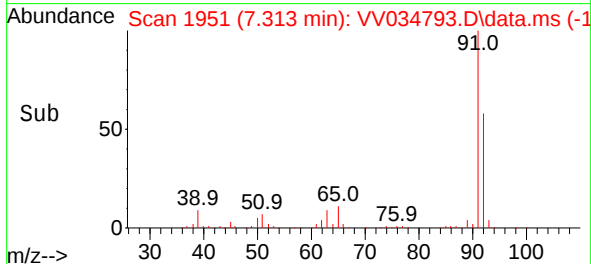
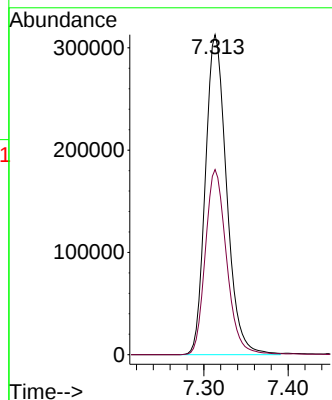
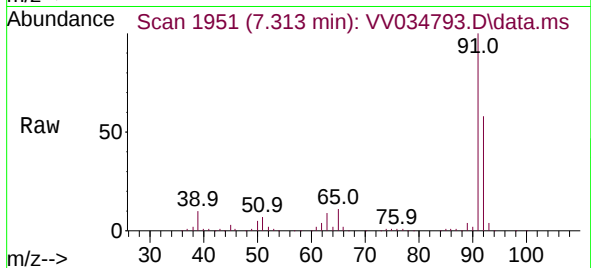
ClientSampleId :

Tgt Ion: 91 Resp: 548478

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 54.360 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV034793.D

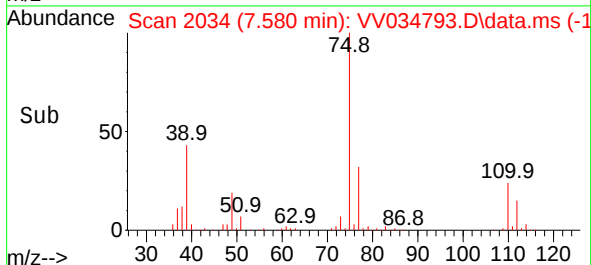
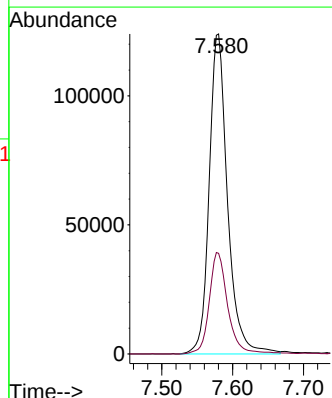
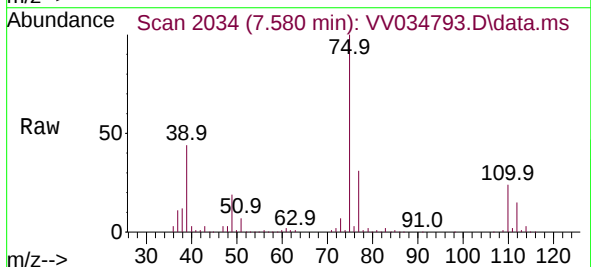
Acq: 21 Mar 2024 17:10

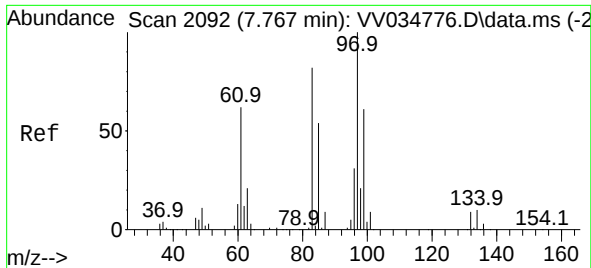
Tgt Ion: 75 Resp: 222910

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 56.106 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 142460

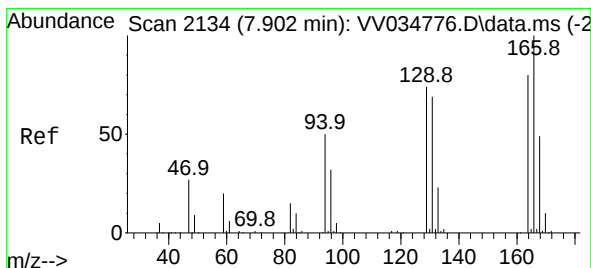
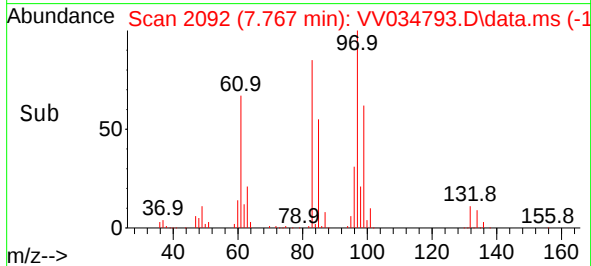
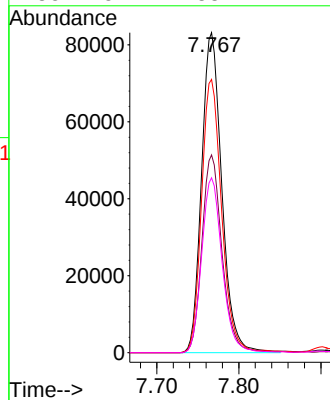
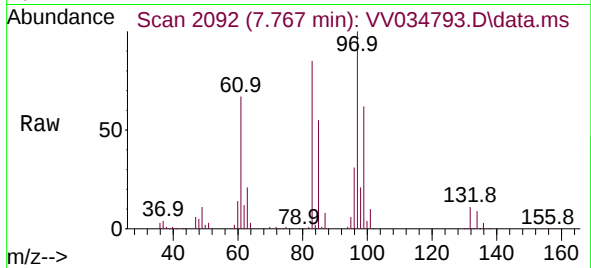
Ion Ratio Lower Upper

97 100

99 61.8 43.8 81.4

83 85.4 59.4 110.2

85 54.7 38.4 71.4



#46

Tetrachloroethene

Concen: 49.084 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.003 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Tgt Ion:164 Resp: 104296

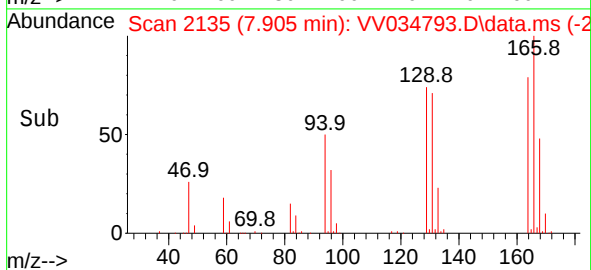
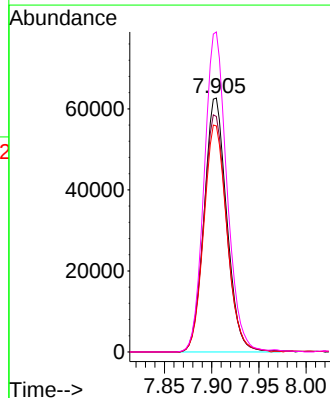
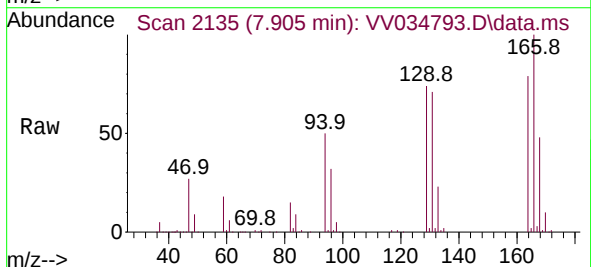
Ion Ratio Lower Upper

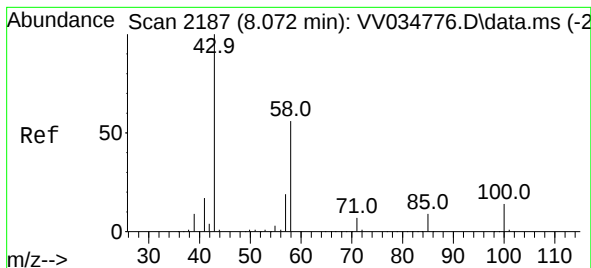
164 100

129 92.7 65.7 121.9

131 89.0 62.2 115.6

166 126.0 89.7 166.7





#48

2-Hexanone

Concen: 109.151 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. 0.000 min

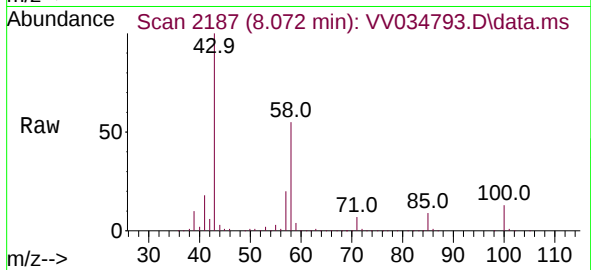
Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 337505

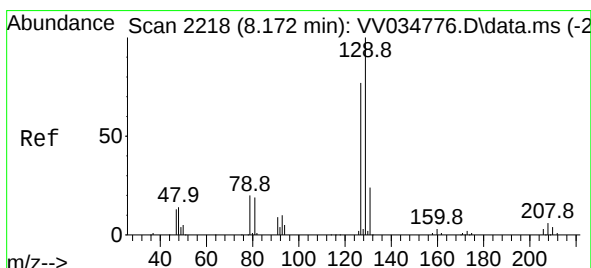
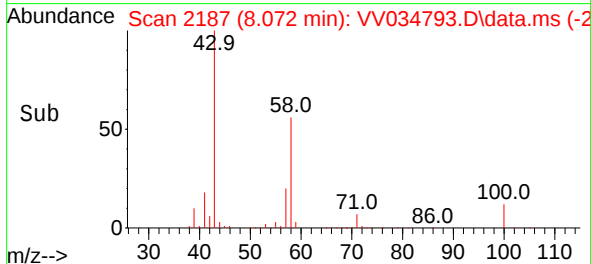
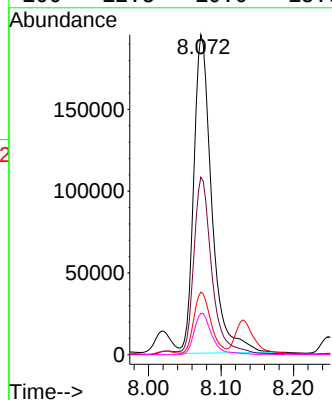
Ion Ratio Lower Upper

43 100

58 55.0 42.0 63.0

57 18.7 15.2 22.8

100 12.8 10.0 15.0



#49

Dibromochloromethane

Concen: 56.137 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.003 min

Lab File: VV034793.D

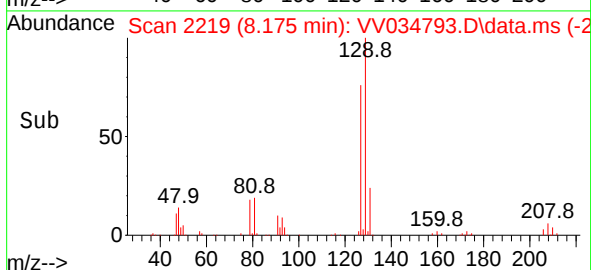
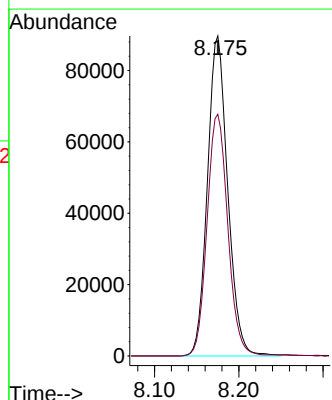
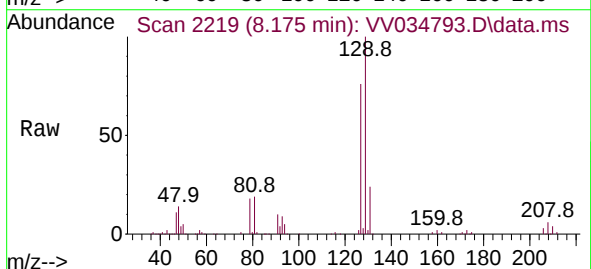
Acq: 21 Mar 2024 17:10

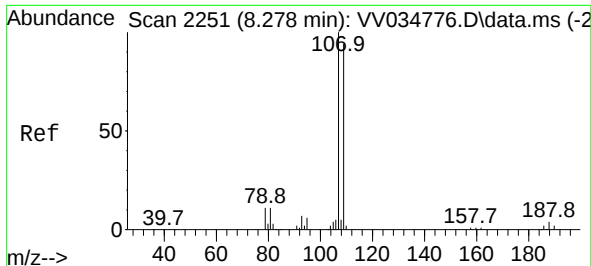
Tgt Ion:129 Resp: 150416

Ion Ratio Lower Upper

129 100

127 75.6 53.3 98.9





#50

1,2-Dibromoethane

Concen: 54.267 ug/L

RT: 8.278 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

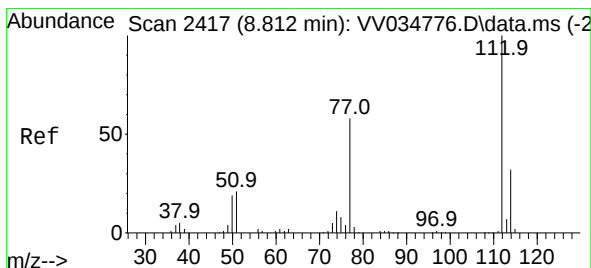
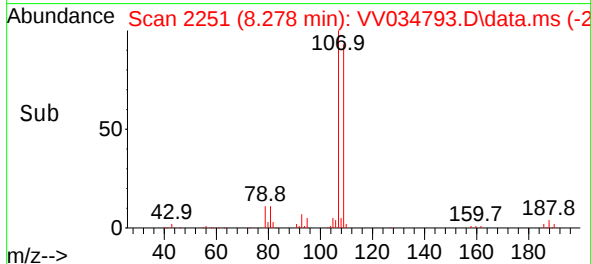
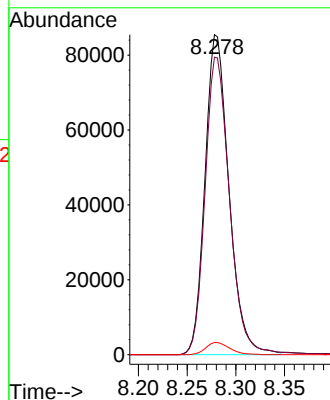
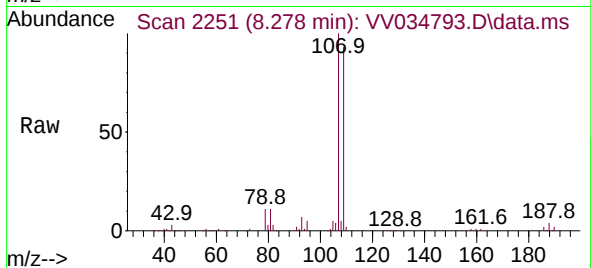
Tgt Ion:107 Resp: 146216

Ion Ratio Lower Upper

107 100

109 93.0 66.5 123.5

188 3.8 3.4 5.2



#51

Chlorobenzene

Concen: 52.837 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

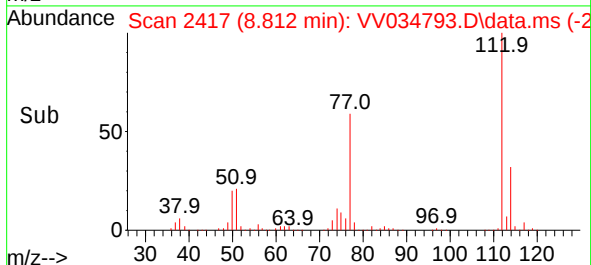
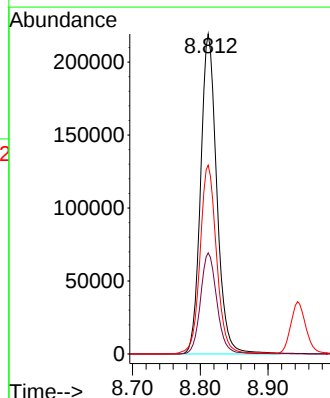
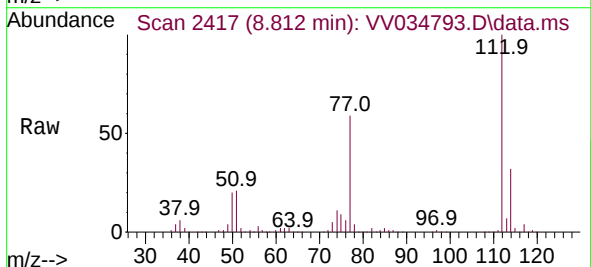
Tgt Ion:112 Resp: 363369

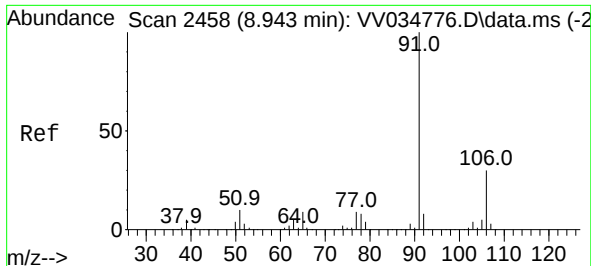
Ion Ratio Lower Upper

112 100

114 31.6 22.3 41.5

77 59.0 47.7 71.5





#52

Ethylbenzene

Concen: 52.614 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

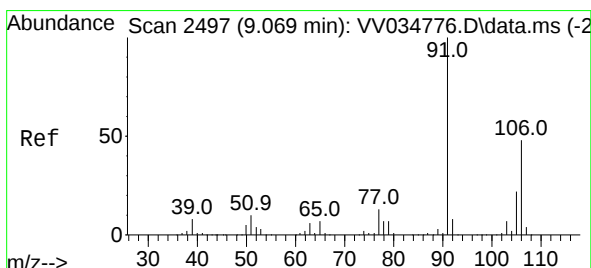
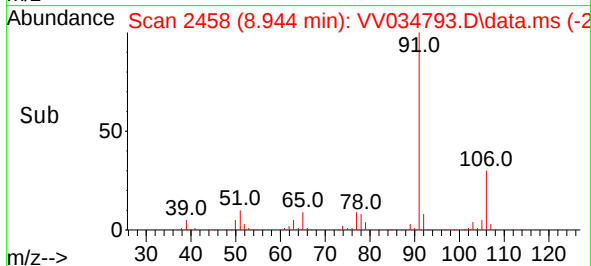
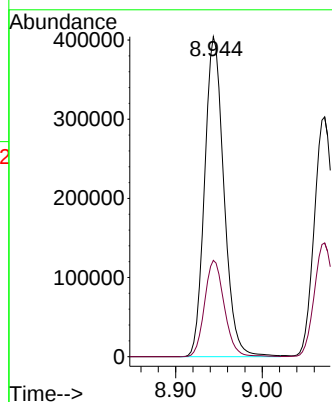
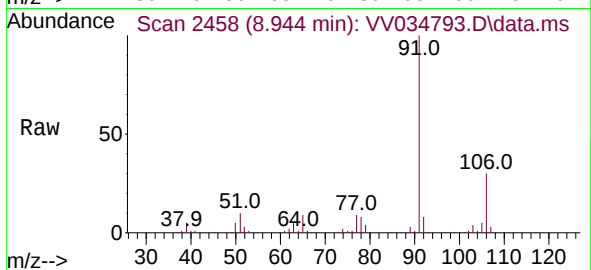
ClientSampleId :

Tgt Ion: 91 Resp: 627147

Ion Ratio Lower Upper

91 100

106 30.1 21.3 39.5



#53

m,p-Xylene

Concen: 51.773 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV034793.D

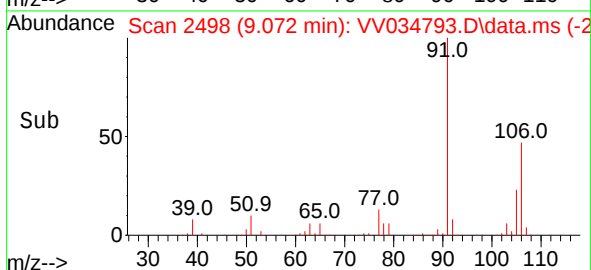
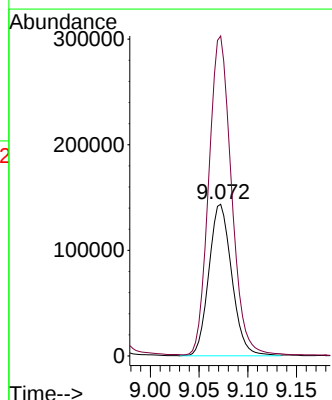
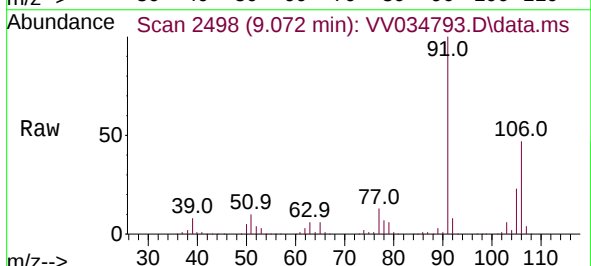
Acq: 21 Mar 2024 17:10

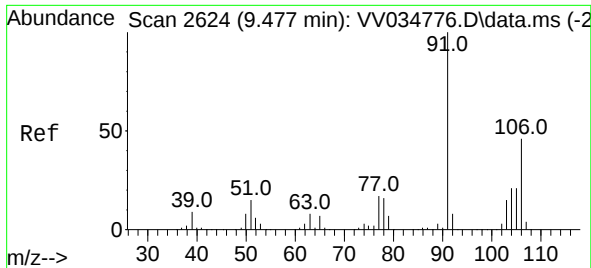
Tgt Ion:106 Resp: 234181

Ion Ratio Lower Upper

106 100

91 210.9 145.3 269.9

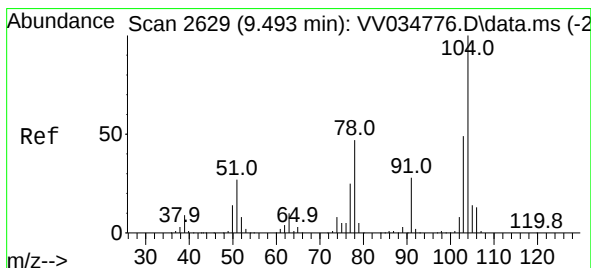
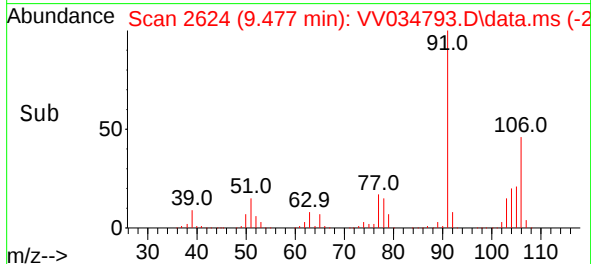
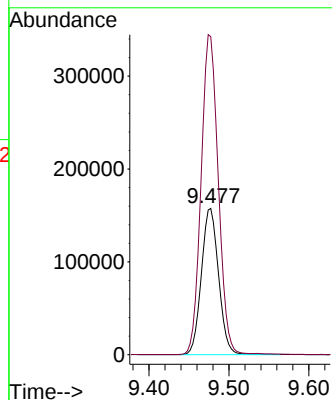
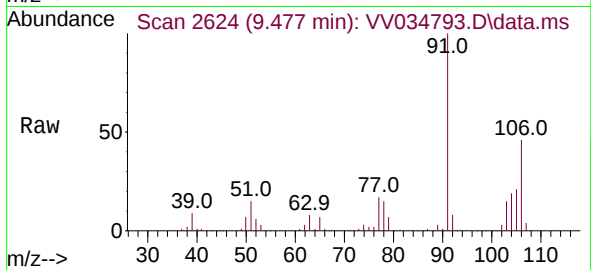




#54
o-Xylene
Concen: 53.334 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

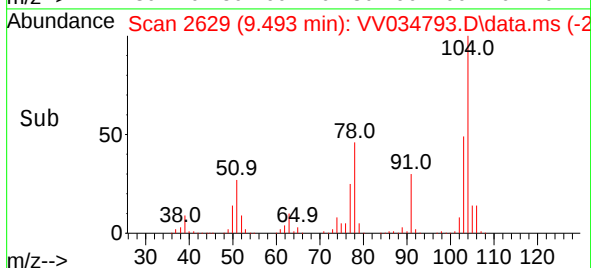
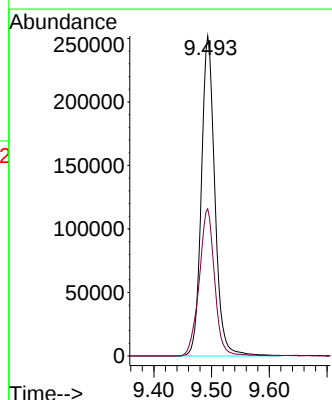
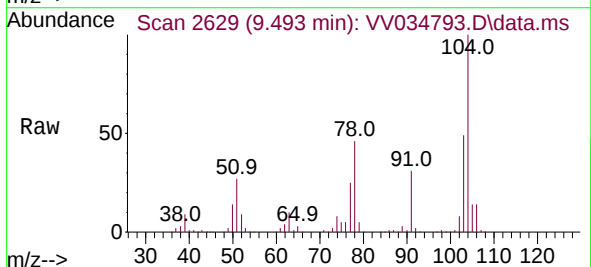
Instrument :
MSVOA_V
ClientSampleId :

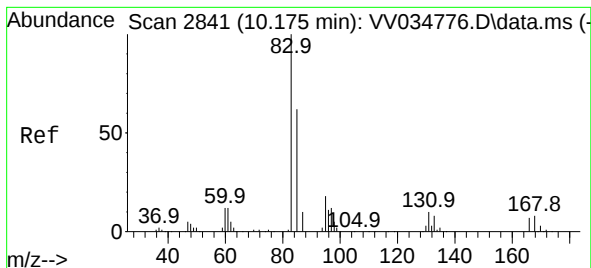
Tgt Ion:106 Resp: 236229
Ion Ratio Lower Upper
106 100
91 217.5 152.2 282.7



#55
Styrene
Concen: 54.735 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

Tgt Ion:104 Resp: 410475
Ion Ratio Lower Upper
104 100
78 46.0 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 57.113 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

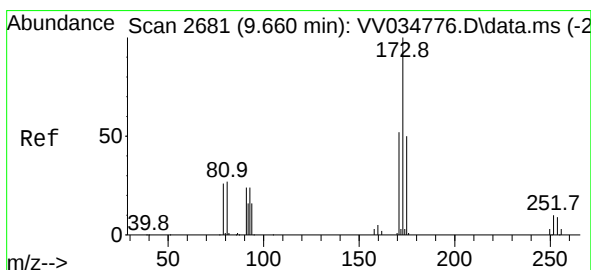
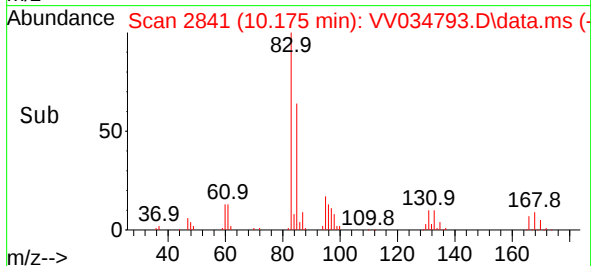
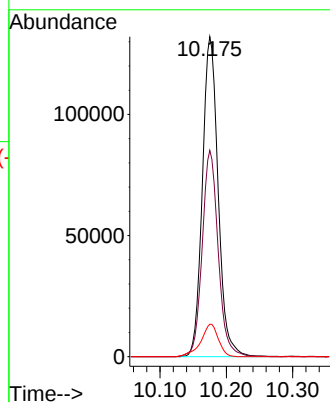
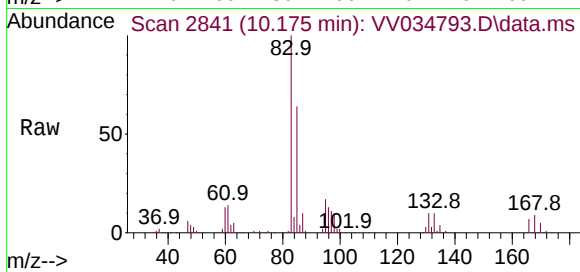
Tgt Ion: 83 Resp: 217811

Ion Ratio Lower Upper

83 100

85 64.5 45.4 84.2

131 10.2 8.3 12.5



#59

Bromoform

Concen: 56.594 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.003 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

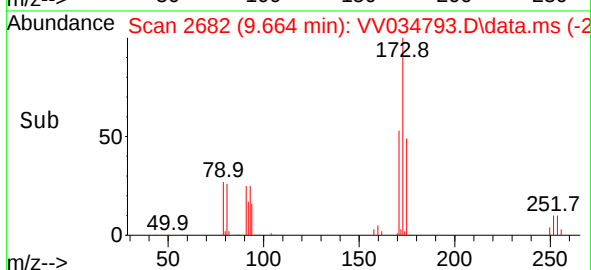
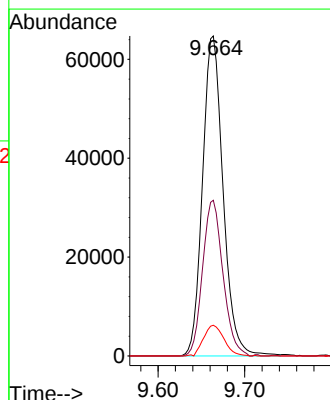
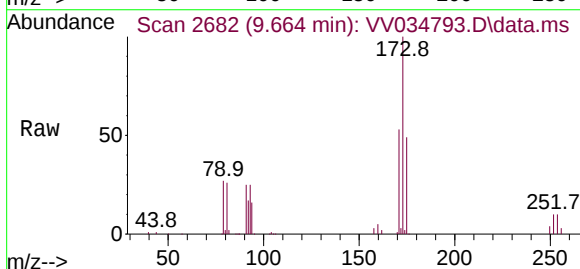
Tgt Ion:173 Resp: 106723

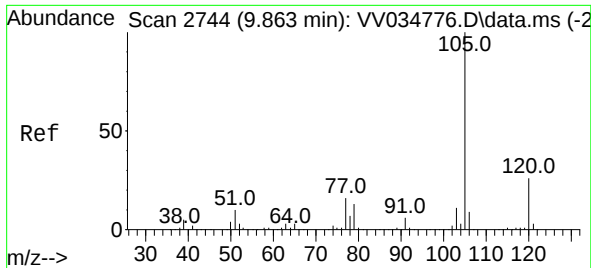
Ion Ratio Lower Upper

173 100

175 48.2 39.1 58.7

254 9.5 7.8 11.8

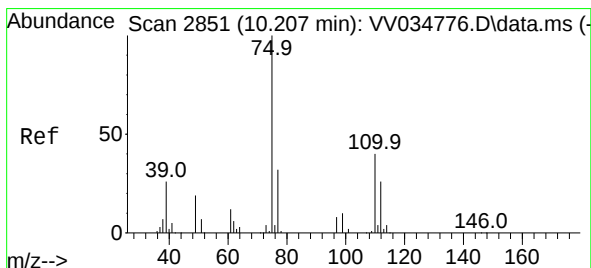
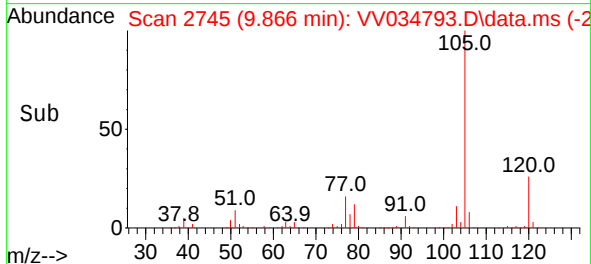
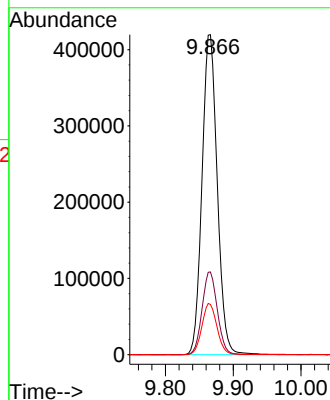
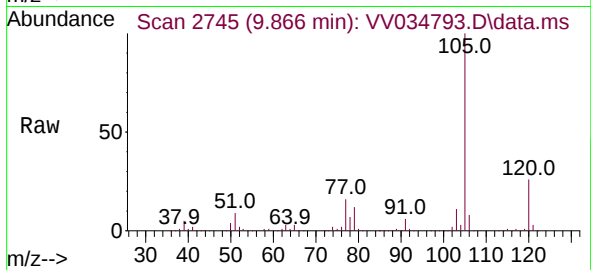




#60
Isopropylbenzene
Concen: 54.392 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

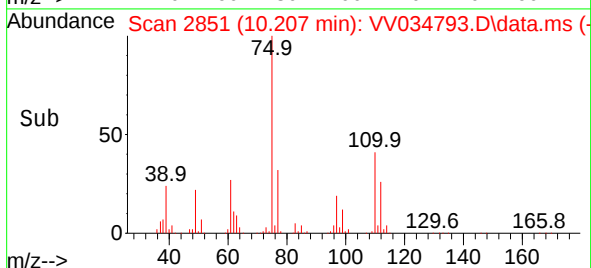
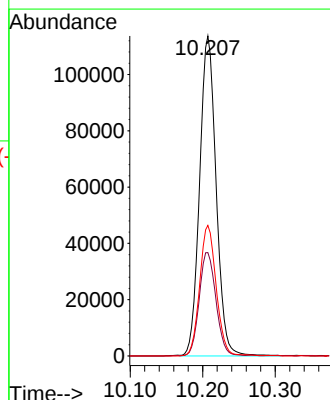
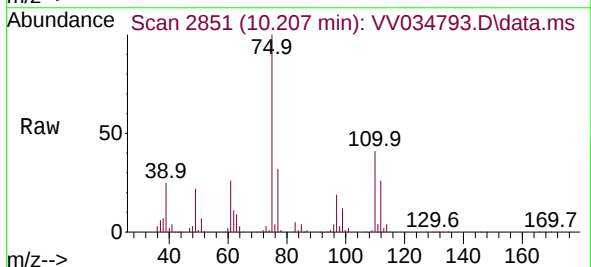
Instrument :
MSVOA_V
ClientSampleId :

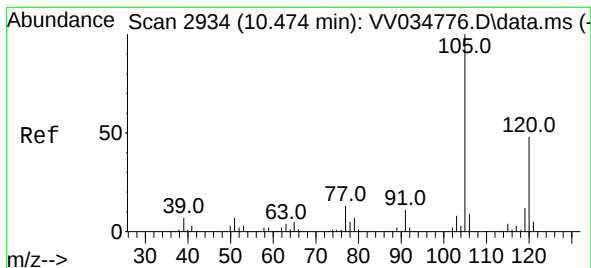
Tgt Ion:105 Resp: 654300
Ion Ratio Lower Upper
105 100
120 25.9 20.8 31.2
77 15.9 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 55.512 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV034793.D
Acq: 21 Mar 2024 17:10

Tgt Ion: 75 Resp: 180234
Ion Ratio Lower Upper
75 100
77 32.6 25.9 38.9
110 40.6 33.1 49.7





#62

1,3,5-Trimethylbenzene

Concen: 53.341 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

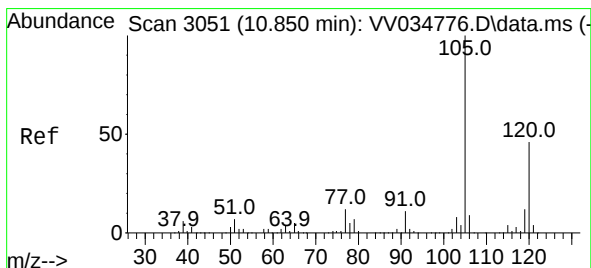
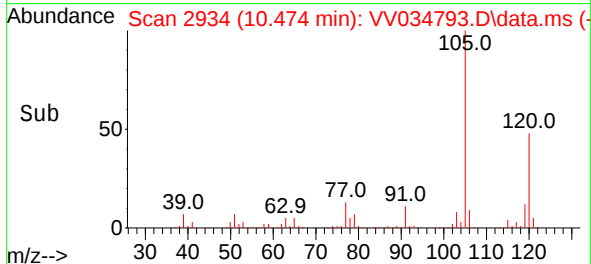
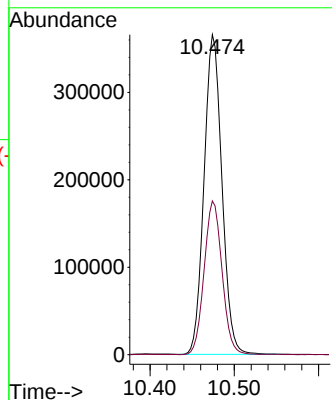
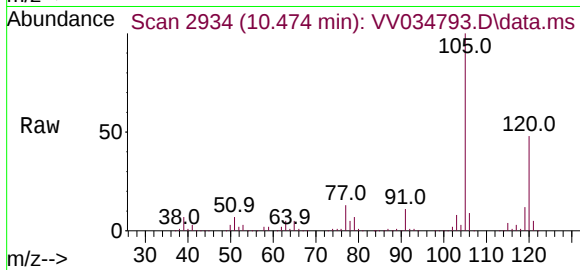
ClientSampleId :

Tgt Ion:105 Resp: 541272

Ion Ratio Lower Upper

105 100

120 48.3 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 54.296 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV034793.D

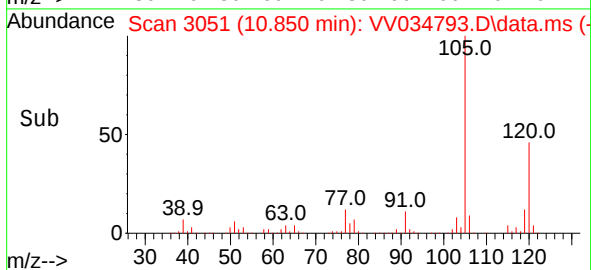
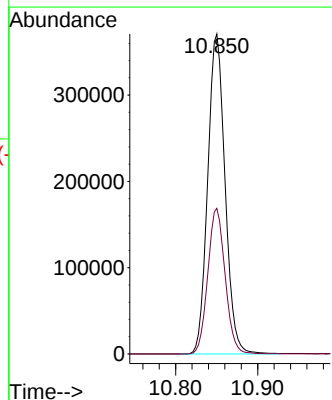
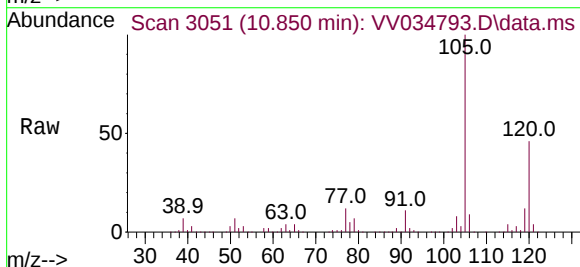
Acq: 21 Mar 2024 17:10

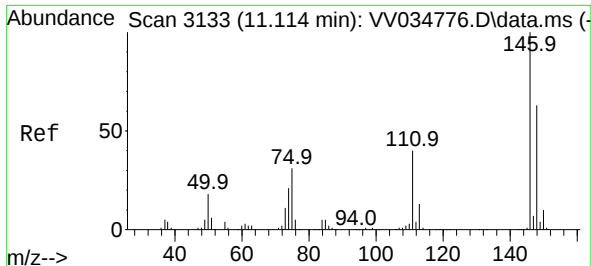
Tgt Ion:105 Resp: 544921

Ion Ratio Lower Upper

105 100

120 45.5 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 53.938 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

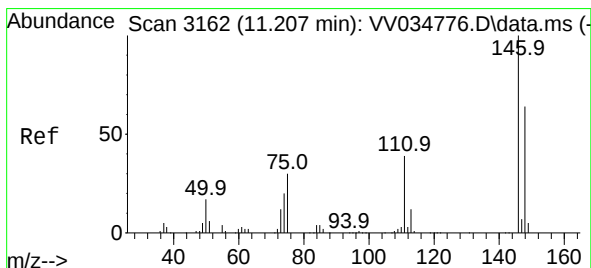
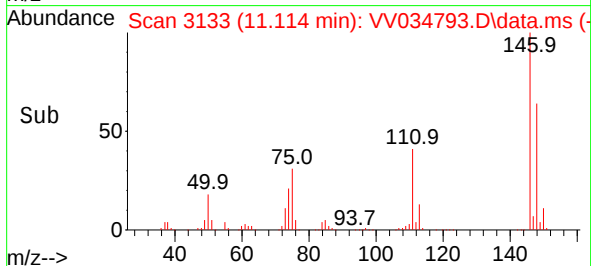
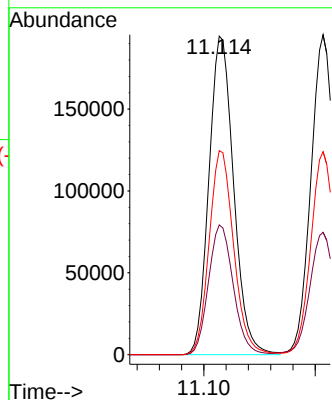
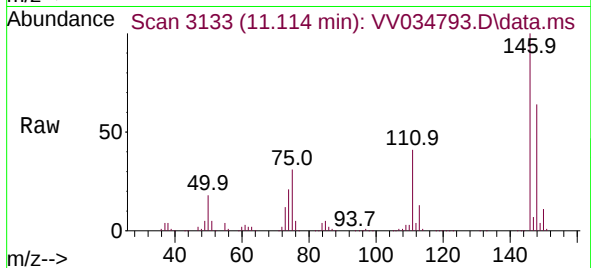
Tgt Ion:146 Resp: 299998

Ion Ratio Lower Upper

146 100

111 40.7 27.9 51.7

148 64.0 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 53.751 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

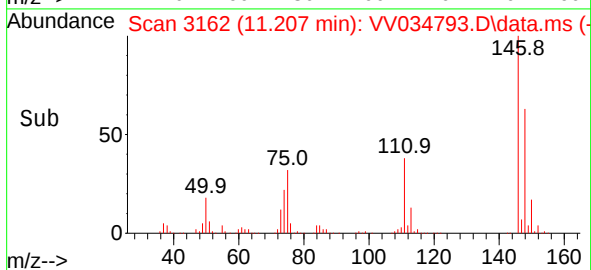
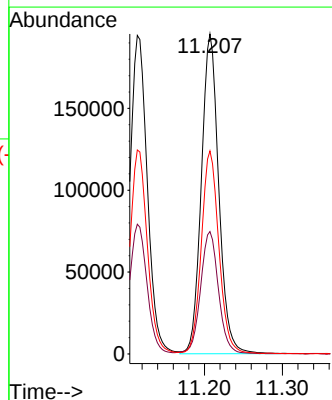
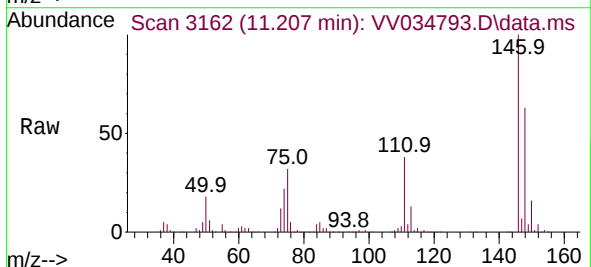
Tgt Ion:146 Resp: 303592

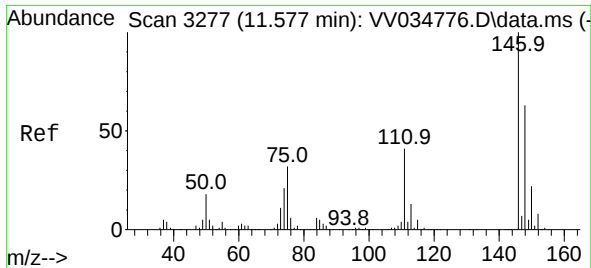
Ion Ratio Lower Upper

146 100

111 38.3 26.5 49.1

148 63.4 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 54.091 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

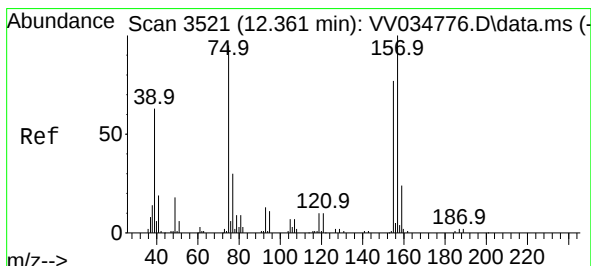
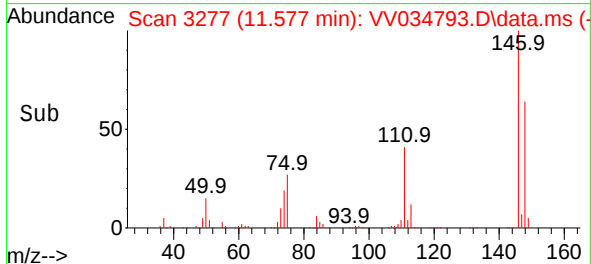
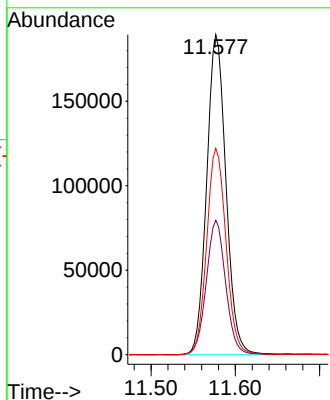
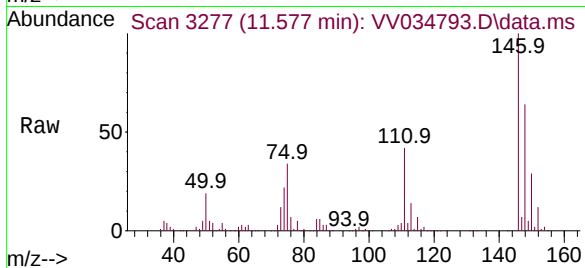
Tgt Ion:146 Resp: 301460

Ion Ratio Lower Upper

146 100

111 42.0 33.8 50.8

148 64.4 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 54.019 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

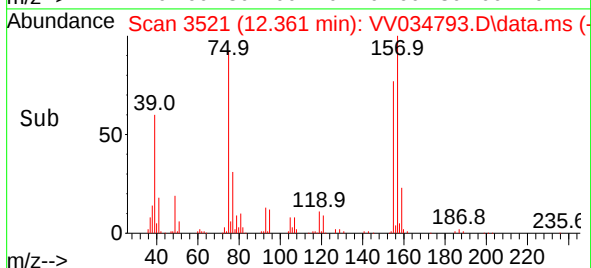
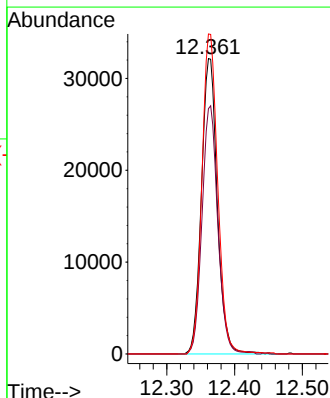
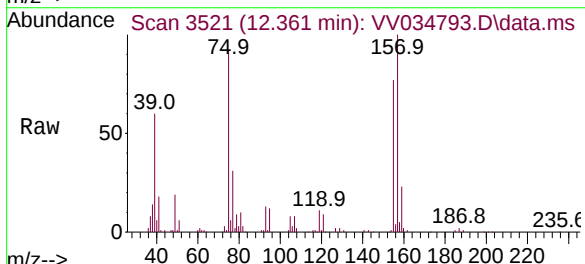
Tgt Ion: 75 Resp: 52245

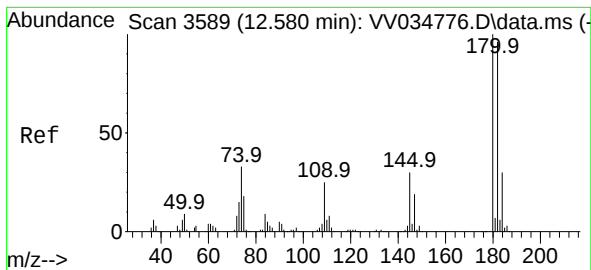
Ion Ratio Lower Upper

75 100

155 83.0 63.3 94.9

157 108.3 81.4 122.0





#69

1,3,5-Trichlorobenzene

Concen: 53.219 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

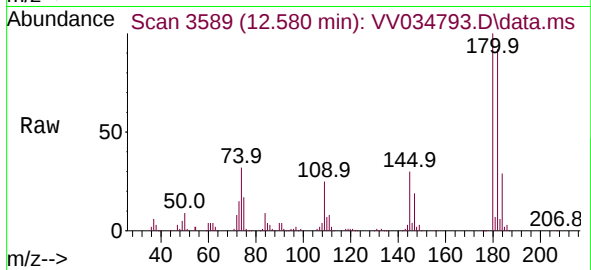
Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 222055

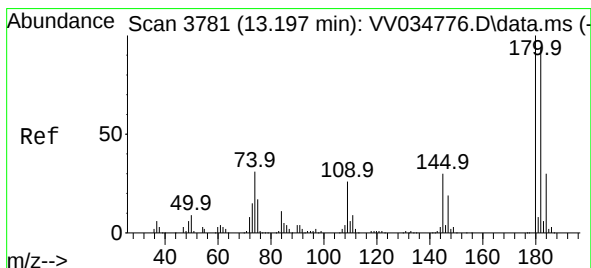
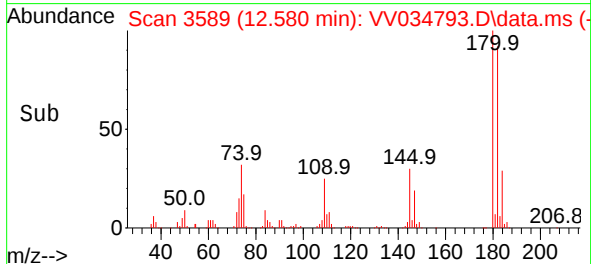
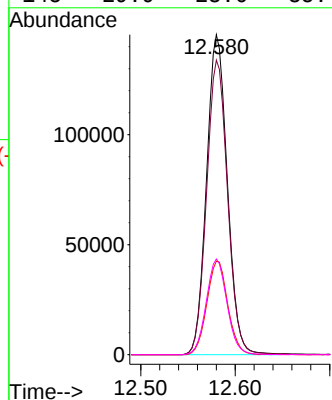
Ion Ratio Lower Upper

180 100

182 93.0 74.6 112.0

184 29.5 23.6 35.4

145 29.9 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 52.358 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

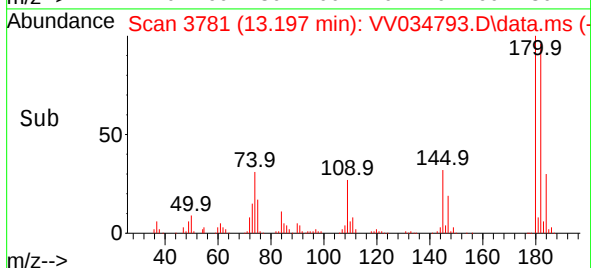
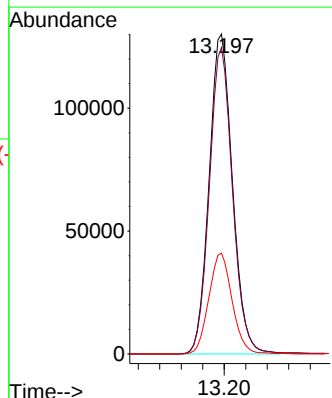
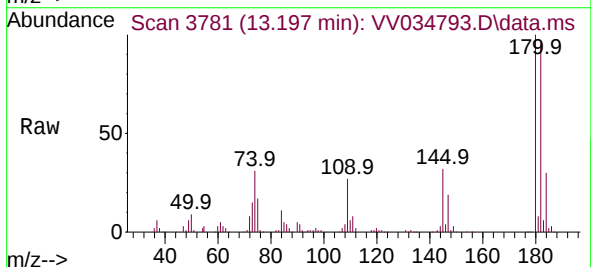
Tgt Ion:180 Resp: 196574

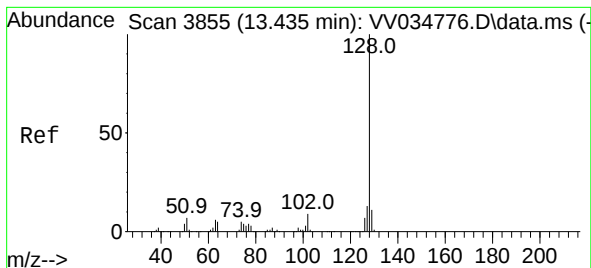
Ion Ratio Lower Upper

180 100

182 95.0 74.8 112.2

145 31.5 24.2 36.4





#71

Naphthalene

Concen: 51.997 ug/L

RT: 13.438 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

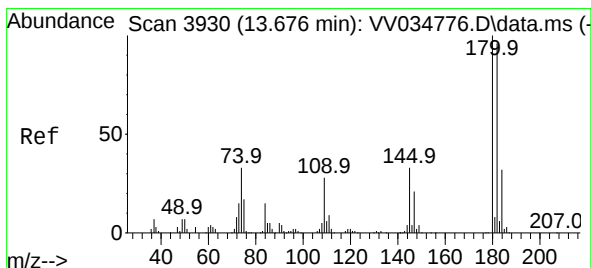
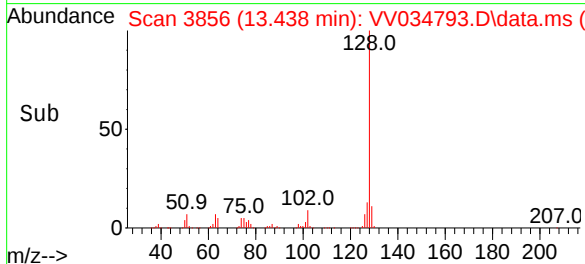
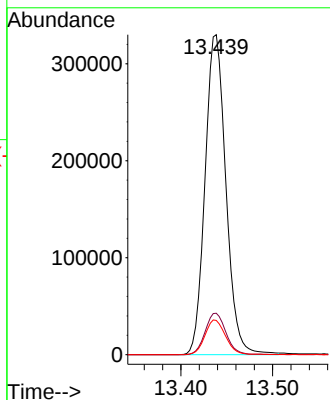
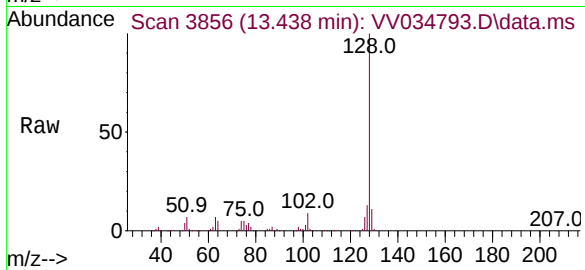
Tgt Ion:128 Resp: 522190

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 53.977 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

Lab File: VV034793.D

Acq: 21 Mar 2024 17:10

Tgt Ion:180 Resp: 197694

Ion Ratio Lower Upper

180 100

182 96.5 75.9 113.9

145 32.6 25.5 38.3

