

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032124\
 Data File : VV034801.D
 Acq On : 21 Mar 2024 20:20
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 22 02:07:23 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	295207	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	282900	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	148314	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	112348	43.901	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.800%
7) Chloroethane-d5	1.529	69	96688	48.496	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.000%
11) 1,1-Dichloroethene-d2	2.056	65	39345	33.995	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.000%
21) 2-Butanone-d5	3.793	46	186175	108.786	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.790%
24) Chloroform-d	4.246	84	233023	51.499	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	4.940	65	154014	52.087	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.180%
32) Benzene-d6	4.957	84	428671	50.207	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.420%
36) 1,2-Dichloropropane-d6	5.989	67	133870	51.377	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.760%
41) Toluene-d8	7.243	98	385147	49.848	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.700%
43) trans-1,3-Dichloroprop...	7.551	79	70844	54.143	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.280%
47) 2-Hexanone-d5	8.024	63	119605	91.923	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.920%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	188502	54.973	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.940%
66) 1,2-Dichlorobenzene-d4	11.558	152	155380	51.254	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	106730	34.468	ug/L	100
3) Chloromethane	1.217	50	120456	39.589	ug/L	99
5) Vinyl chloride	1.285	62	116618	39.484	ug/L	98
6) Bromomethane	1.487	94	82110	46.335	ug/L	99
8) Chloroethane	1.545	64	80308	45.746	ug/L	97
9) Trichlorofluoromethane	1.709	101	155202	35.090	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	79259	33.249	ug/L	97
12) 1,1-Dichloroethene	2.066	96	77158	34.905	ug/L	93
13) Acetone	2.124	43	152241	73.998	ug/L	98
14) Carbon disulfide	2.240	76	220826	35.996	ug/L	100
15) Methyl Acetate	2.375	43	159959	60.773	ug/L	99
16) Methylene chloride	2.445	84	129917	55.407	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	100596	47.018	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	453895	59.075	ug/L	99
19) 1,1-Dichloroethane	3.111	63	229029	54.645	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	129501	55.786	ug/L	94
22) 2-Butanone	3.870	43	216430	106.531	ug/L	95
23) Bromochloromethane	4.146	128	68547	57.104	ug/L	99
25) Chloroform	4.275	83	240585	55.382	ug/L	100

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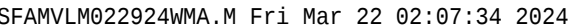
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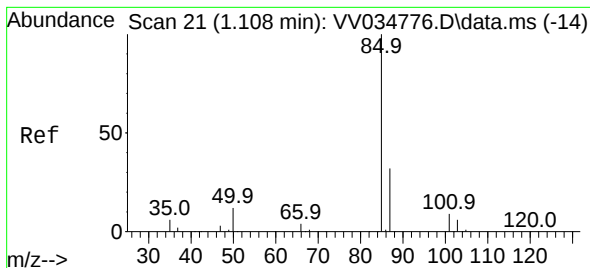
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 01:59:49 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	199877	56.631	ug/L	100
29) Cyclohexane	4.580	56	142328	38.249	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	197979	48.803	ug/L	99
31) Carbon tetrachloride	4.735	117	165200	45.996	ug/L	100
33) Benzene	5.008	78	460593	52.452	ug/L	100
34) Trichloroethene	5.831	95	122800	49.197	ug/L	97
35) Methylcyclohexane	6.050	83	144672	38.125	ug/L	99
37) 1,2-Dichloropropane	6.091	63	133318	57.989	ug/L	100
38) Bromodichloromethane	6.432	83	182102	56.312	ug/L	96
39) cis-1,3-Dichloropropene	6.953	75	212549	57.063	ug/L	96
40) 4-Methyl-2-pentanone	7.156	43	424163	125.121	ug/L	98
42) Toluene	7.313	91	489858	52.709	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	206860	57.743	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	135480	61.076	ug/L	99
46) Tetrachloroethene	7.905	164	86776	46.746	ug/L	99
48) 2-Hexanone	8.075	43	337824	125.059	ug/L	97
49) Dibromochloromethane	8.175	129	142557	60.900	ug/L	99
50) 1,2-Dibromoethane	8.281	107	138837	58.982	ug/L	98
51) Chlorobenzene	8.812	112	331257	55.135	ug/L	99
52) Ethylbenzene	8.943	91	547338	52.561	ug/L	99
53) m,p-Xylene	9.072	106	205143	51.914	ug/L	100
54) o-Xylene	9.477	106	211956	54.776	ug/L	99
55) Styrene	9.493	104	367550	56.101	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	210991	63.328	ug/L	98
59) Bromoform	9.664	173	107243	65.218	ug/L	98
60) Isopropylbenzene	9.866	105	548479	52.288	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	178011	62.876	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	467751	52.863	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	478201	54.643	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	262859	54.199	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	273920	55.617	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	279434	57.499	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	49458	58.645	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	181431	49.866	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	157199	48.017	ug/L	98
71) Naphthalene	13.438	128	416534	47.564	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	157041	49.172	ug/L	99

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

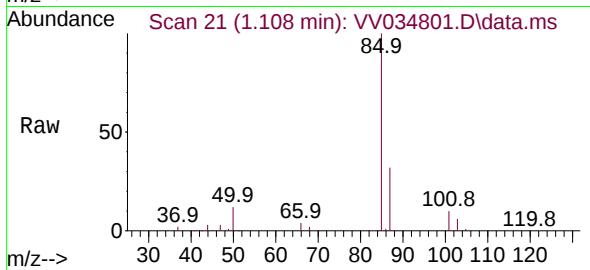
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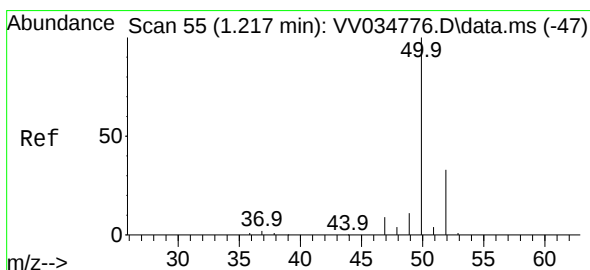
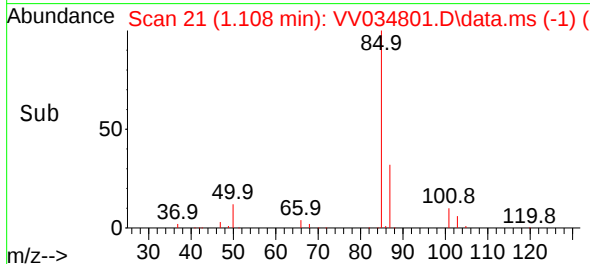
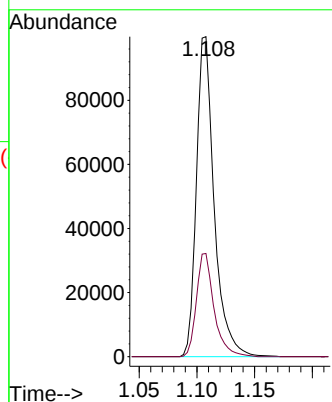


#2
 Dichlorodifluoromethane
 Concen: 34.468 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV034801.D
 Acq: 21 Mar 2024 20:20

Instrument :
 MSVOA_V
 ClientSampleId :

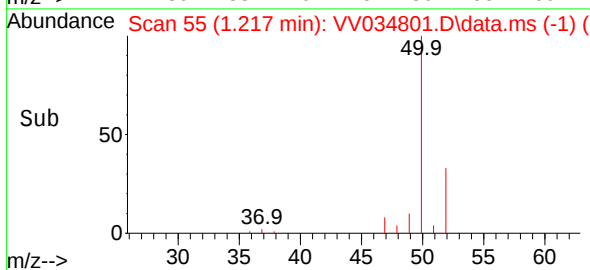
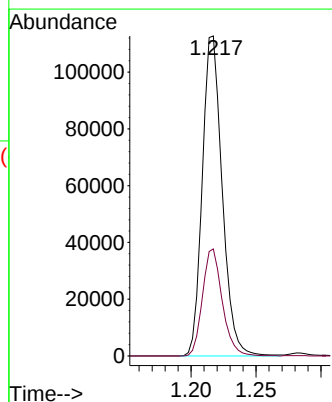
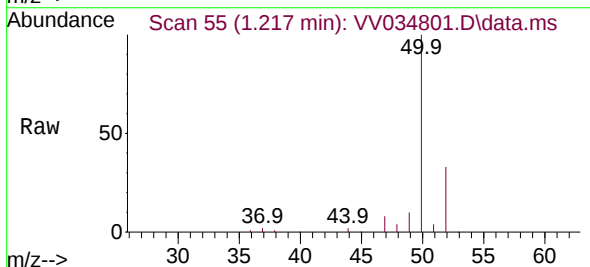


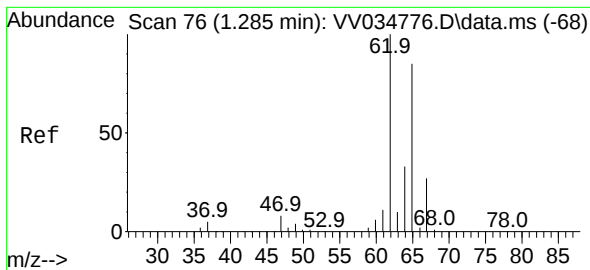
Tgt Ion: 85 Resp: 106730
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.5 38.3



#3
 Chloromethane
 Concen: 39.589 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV034801.D
 Acq: 21 Mar 2024 20:20

Tgt Ion: 50 Resp: 120456
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.0 42.8





#5

Vinyl chloride

Concen: 39.484 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Instrument :

MSVOA_V

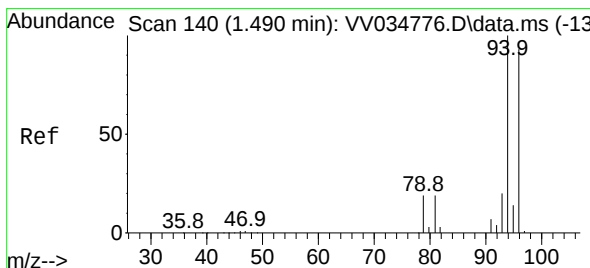
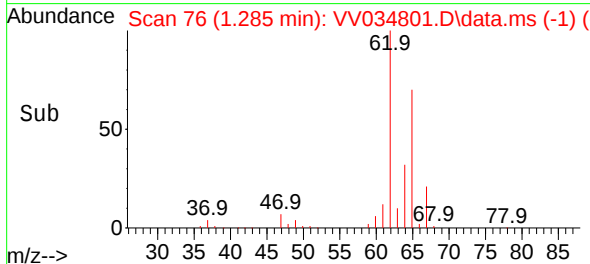
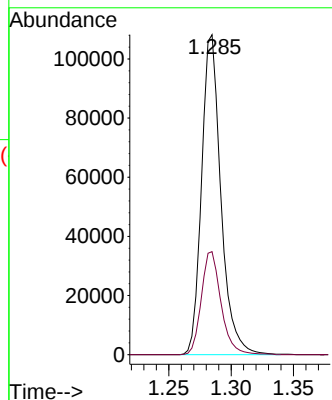
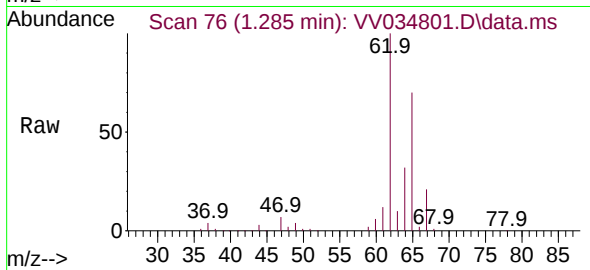
ClientSampleId :

Tgt Ion: 62 Resp: 116618

Ion Ratio Lower Upper

62 100

64 32.2 23.4 43.6



#6

Bromomethane

Concen: 46.335 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.003 min

Lab File: VV034801.D

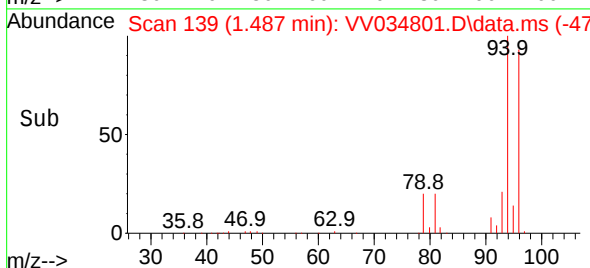
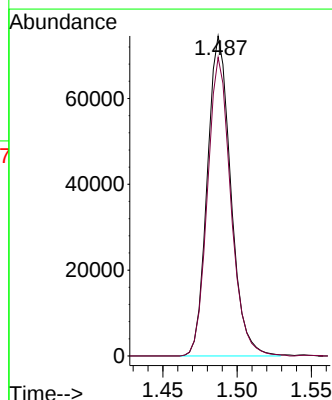
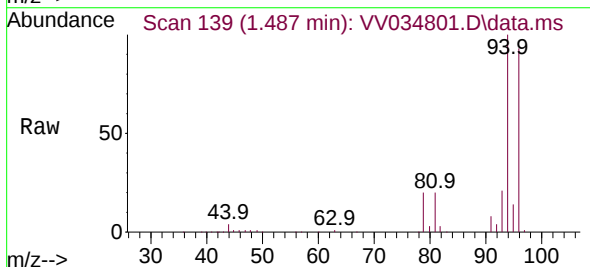
Acq: 21 Mar 2024 20:20

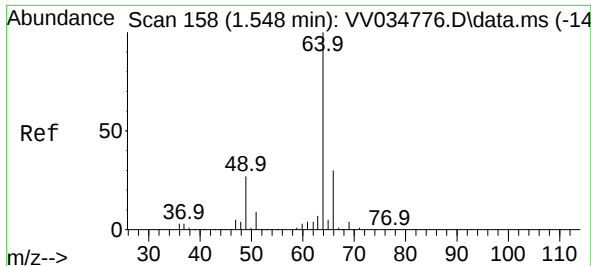
Tgt Ion: 94 Resp: 82110

Ion Ratio Lower Upper

94 100

96 93.3 66.0 122.6

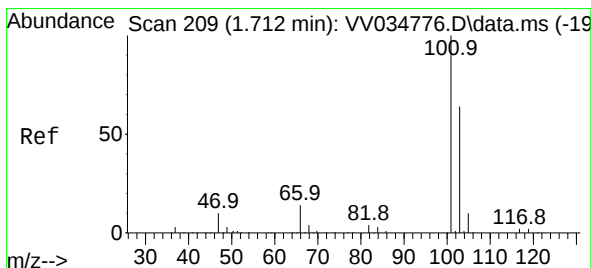
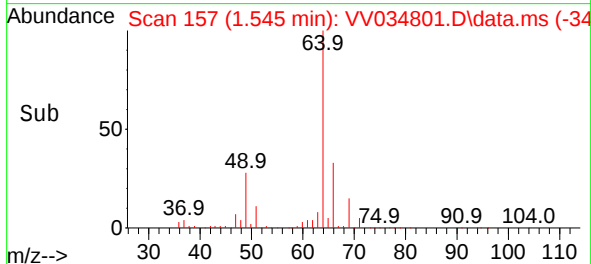
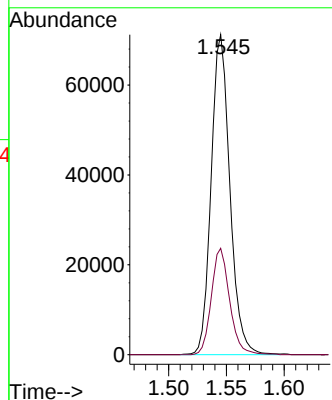
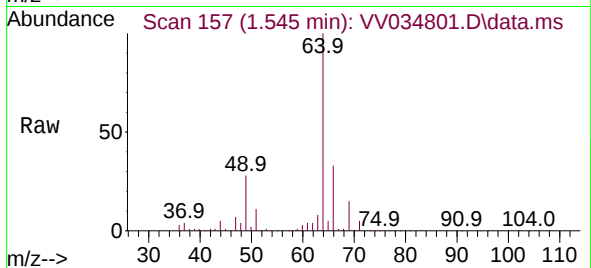




#8
Chloroethane
Concen: 45.746 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

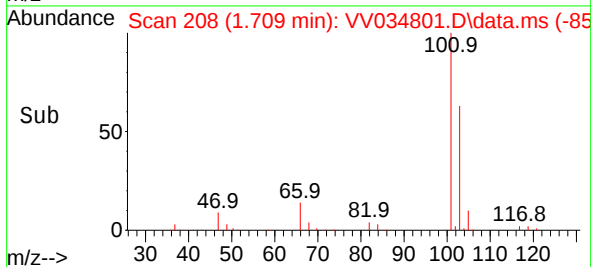
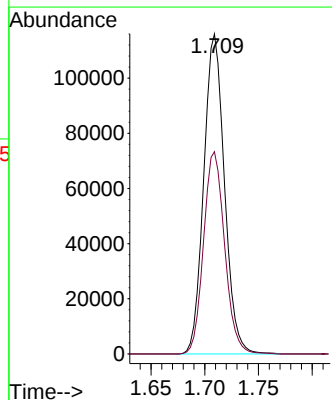
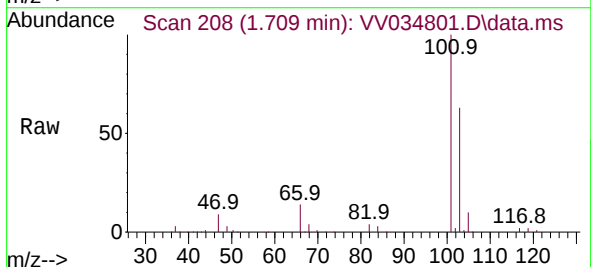
Instrument :
MSVOA_V
ClientSampleId :

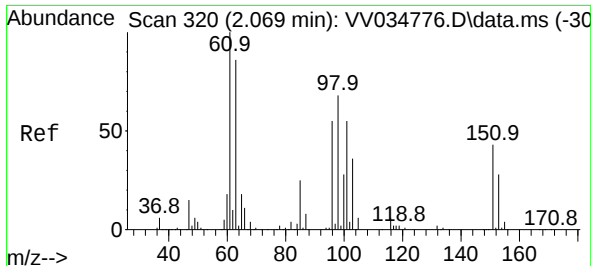
Tgt Ion: 64 Resp: 80308
Ion Ratio Lower Upper
64 100
66 33.3 22.0 40.8



#9
Trichlorofluoromethane
Concen: 35.090 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.003 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

Tgt Ion:101 Resp: 155202
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.8





#10

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

Concen: 33.249 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Instrument :

MSVOA_V

ClientSampleId :

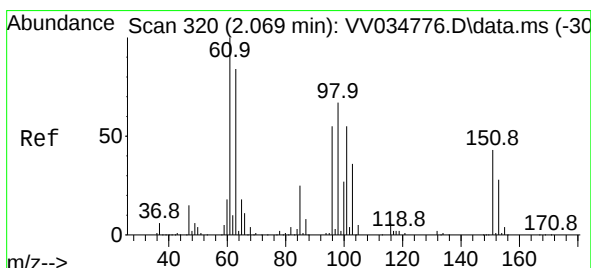
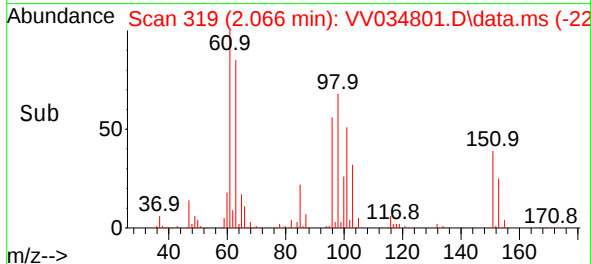
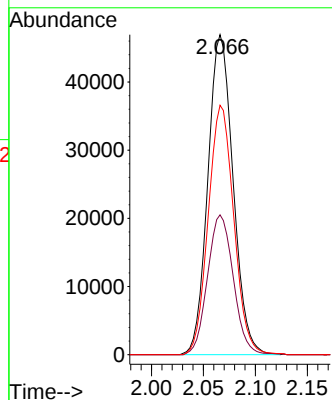
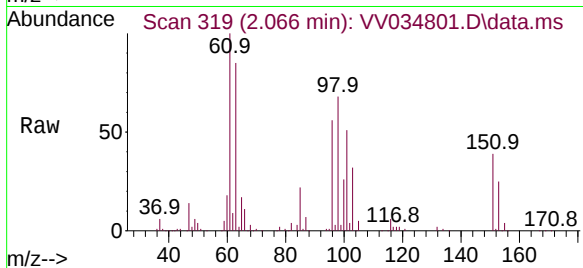
Tgt Ion:101 Resp: 79259

Ion Ratio Lower Upper

101 100

85 44.6 37.4 56.0

151 79.0 61.4 92.2



#12

1,1-Dichloroethene

Concen: 34.905 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

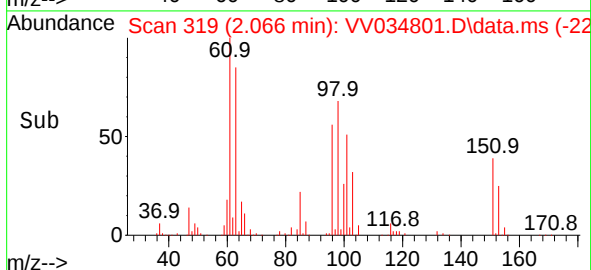
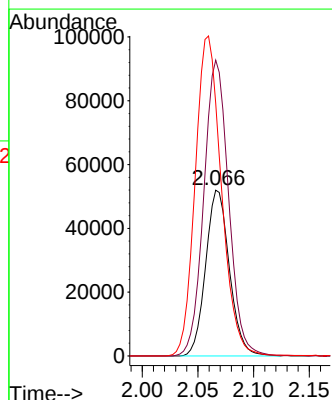
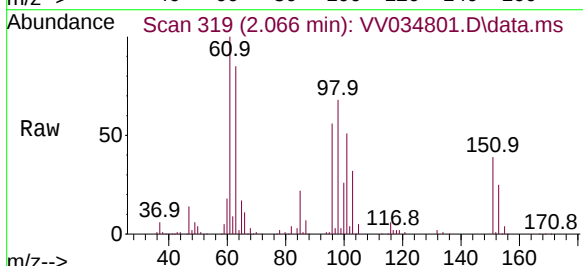
Tgt Ion: 96 Resp: 77158

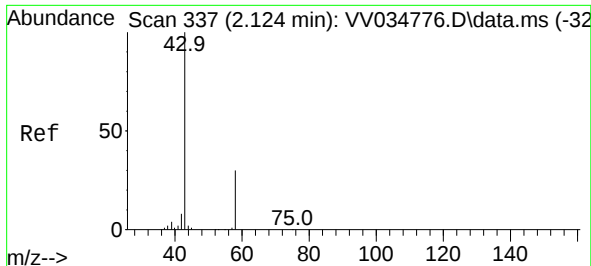
Ion Ratio Lower Upper

96 100

61 178.4 128.9 239.3

63 152.4 98.0 182.0





#13

Acetone

Concen: 73.998 ug/L

RT: 2.124 min Scan# 337

Delta R.T. 0.000 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Instrument :

MSVOA_V

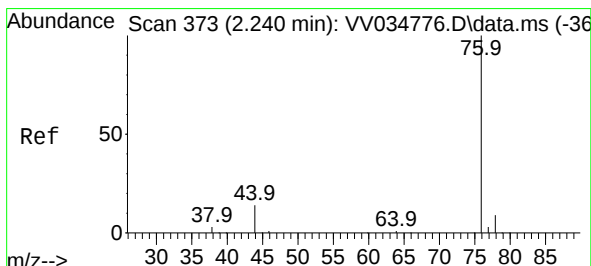
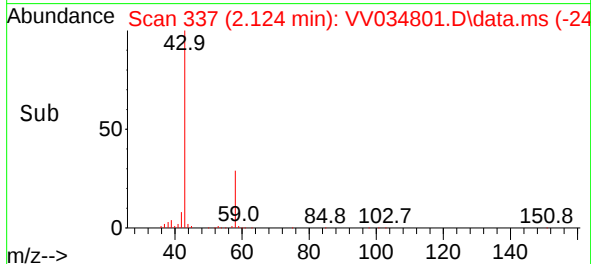
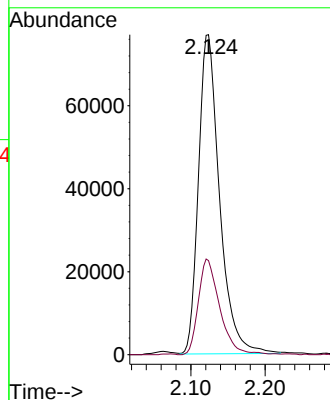
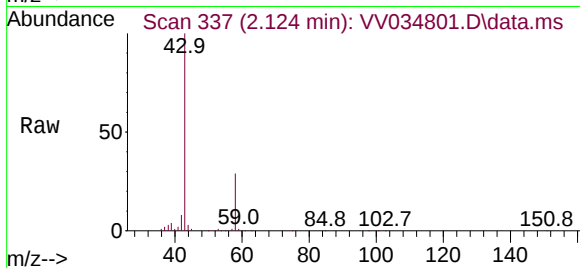
ClientSampleId :

Tgt Ion: 43 Resp: 152241

Ion Ratio Lower Upper

43 100

58 29.9 0.0 57.2



#14

Carbon disulfide

Concen: 35.996 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV034801.D

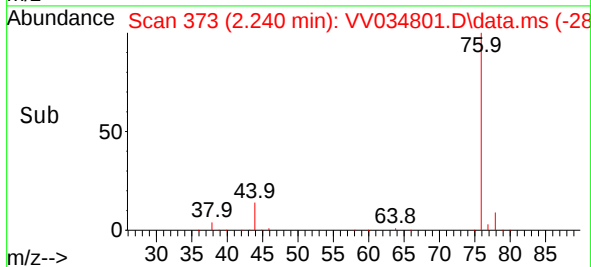
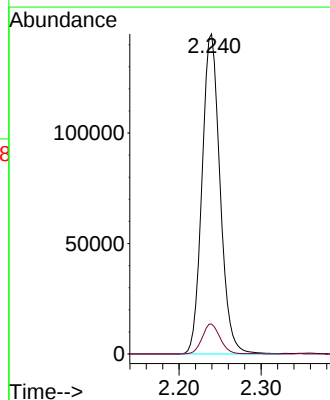
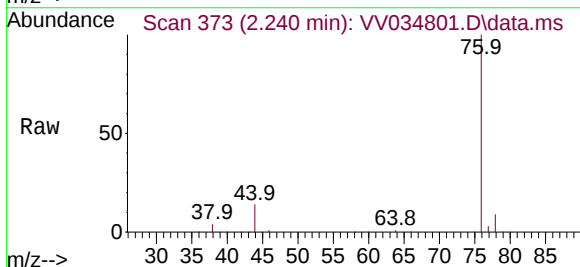
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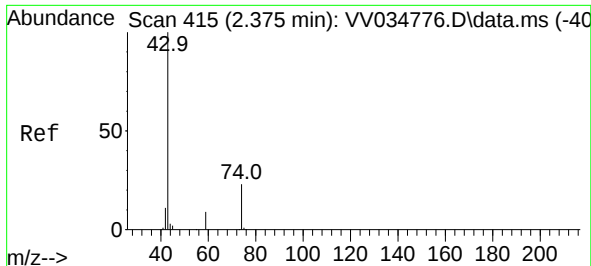
Tgt Ion: 76 Resp: 220826

Ion Ratio Lower Upper

76 100

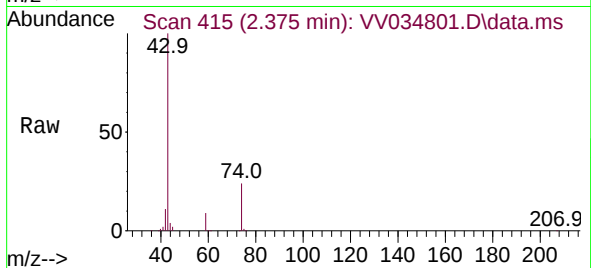
78 9.3 7.5 11.3



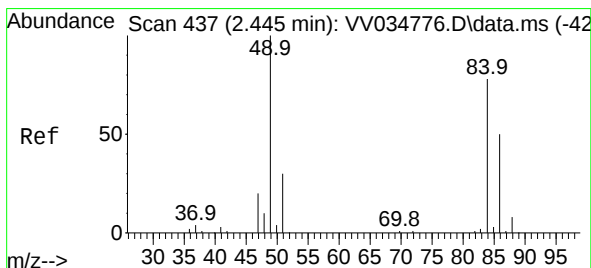
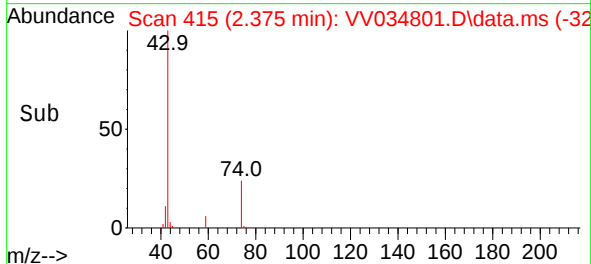
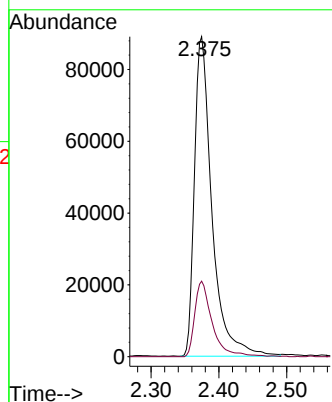


#15
Methyl Acetate
Concen: 60.773 ug/L
RT: 2.375 min Scan# 415
Delta R.T. 0.000 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

Instrument :
MSVOA_V
ClientSampleId :

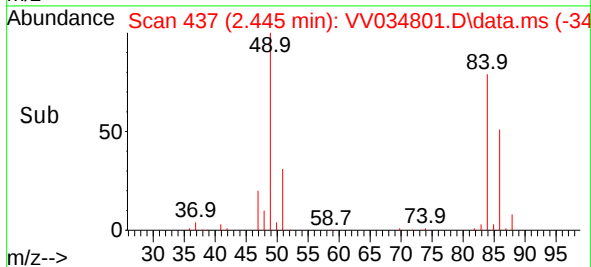
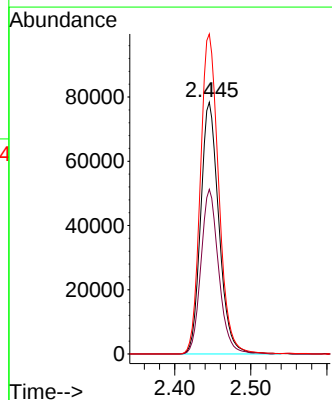
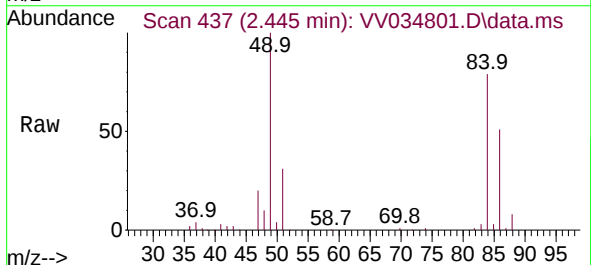


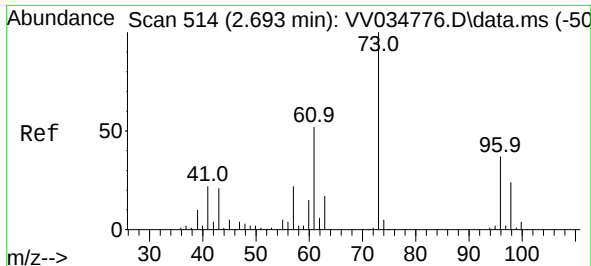
Tgt Ion: 43 Resp: 159959
Ion Ratio Lower Upper
43 100
74 22.6 17.8 26.8



#16
Methylene chloride
Concen: 55.407 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

Tgt Ion: 84 Resp: 129917
Ion Ratio Lower Upper
84 100
86 65.4 45.6 84.6
49 127.2 92.3 171.3





#17

trans-1,2-Dichloroethene

Concen: 47.018 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.000 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Instrument :

MSVOA_V

ClientSampleId :

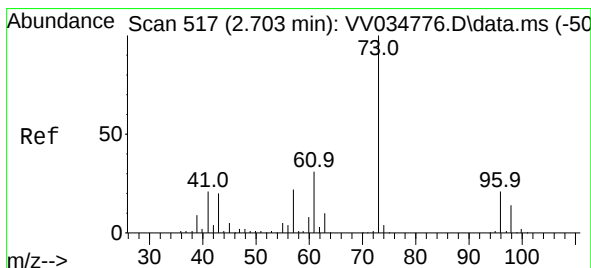
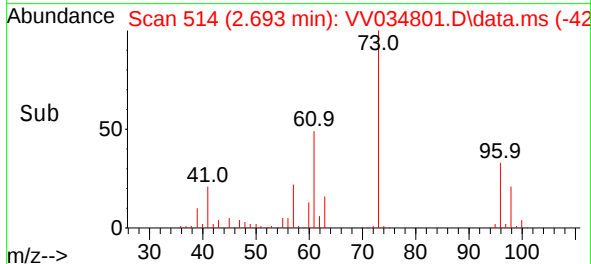
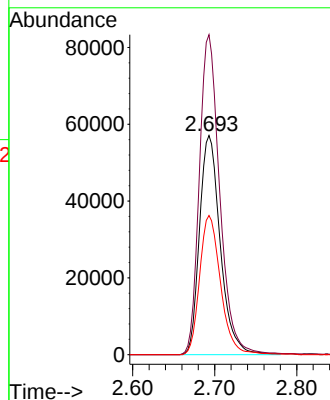
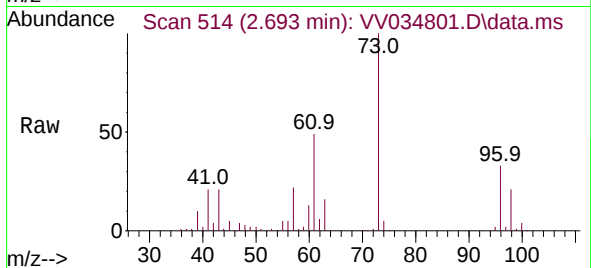
Tgt Ion: 96 Resp: 100596

Ion Ratio Lower Upper

96 100

61 146.0 98.8 183.4

98 63.5 46.1 85.5



#18

Methyl tert-butyl Ether

Concen: 59.075 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

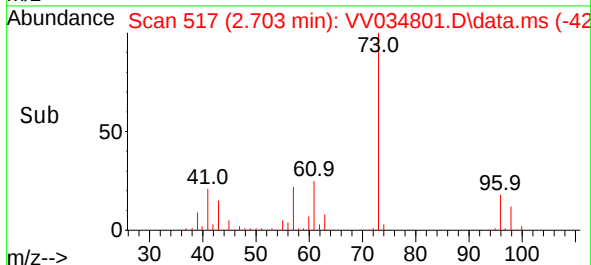
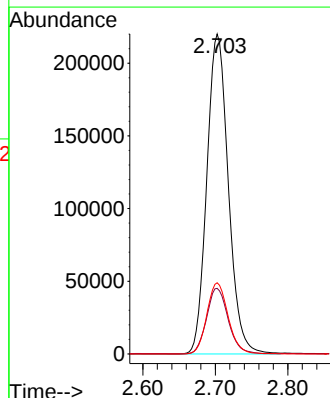
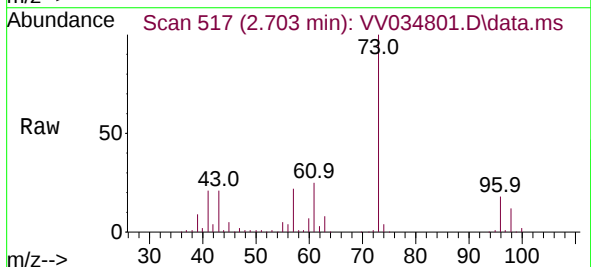
Tgt Ion: 73 Resp: 453895

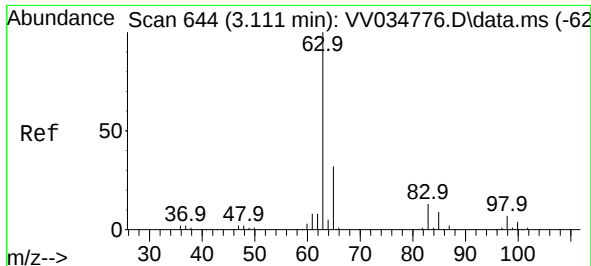
Ion Ratio Lower Upper

73 100

43 20.5 17.1 25.7

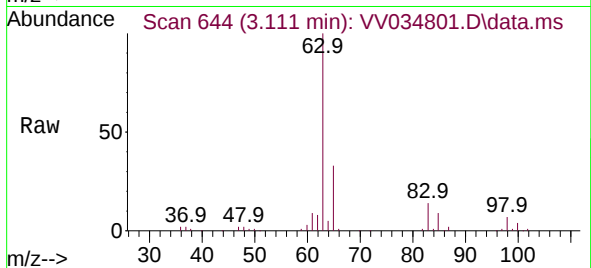
57 21.9 17.6 26.4



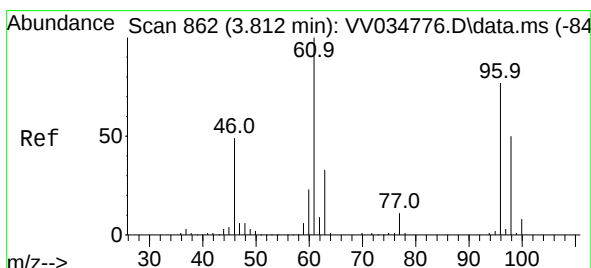
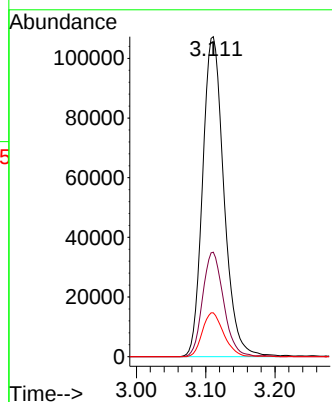
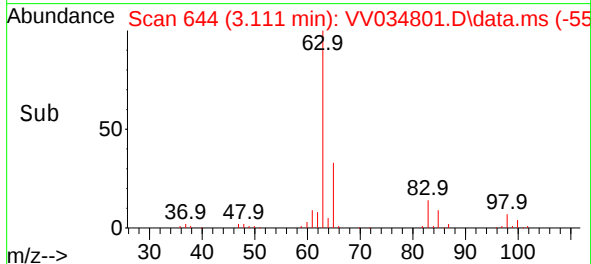


#19
1,1-Dichloroethane
Concen: 54.645 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.000 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

Instrument :
MSVOA_V
ClientSampleId :

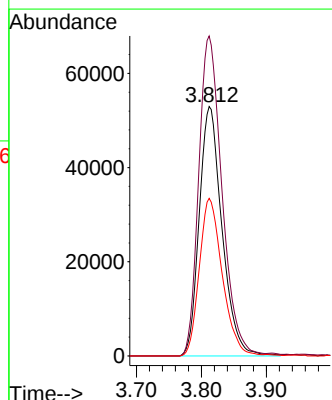
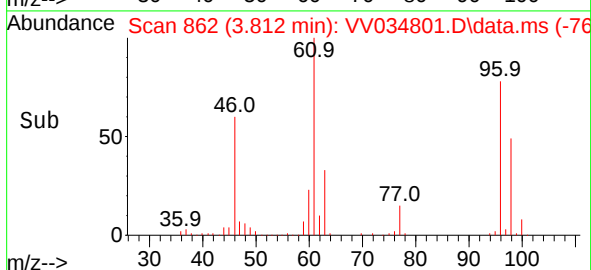
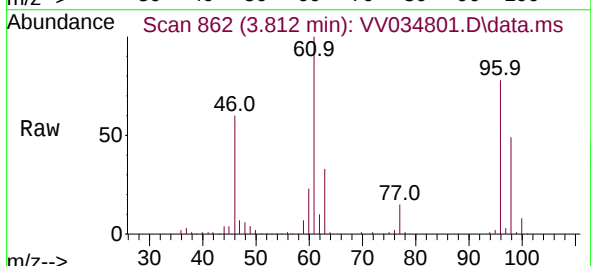


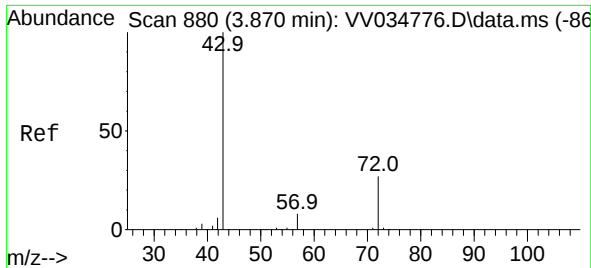
Tgt Ion: 63 Resp: 229029
Ion Ratio Lower Upper
63 100
65 32.6 22.1 41.1
83 13.7 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 55.786 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

Tgt Ion: 96 Resp: 129501
Ion Ratio Lower Upper
96 100
61 128.3 96.0 178.4
98 63.2 46.0 85.4

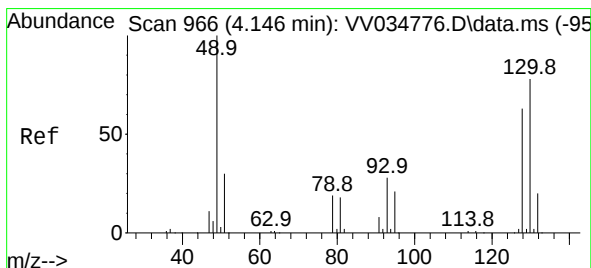
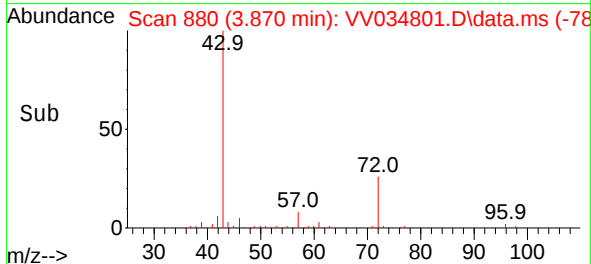
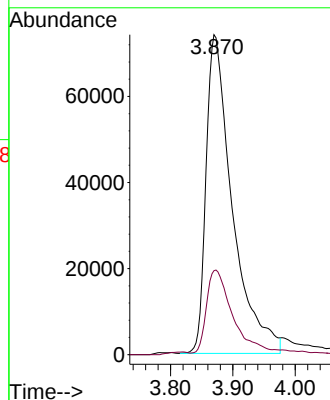
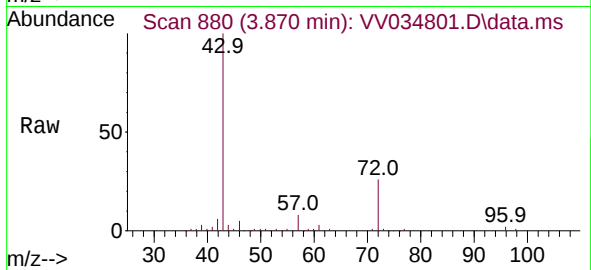




#22
2-Butanone
Concen: 106.531 ug/L
RT: 3.870 min Scan# 880
Delta R.T. 0.000 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

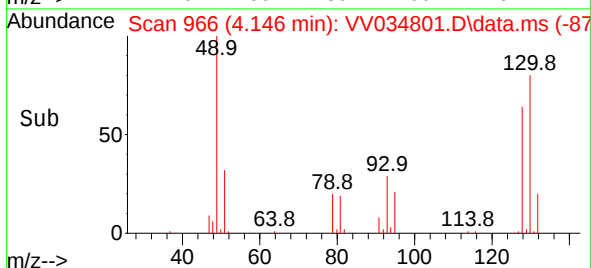
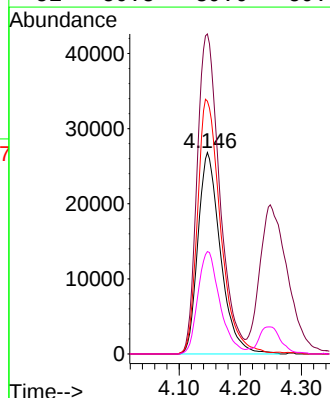
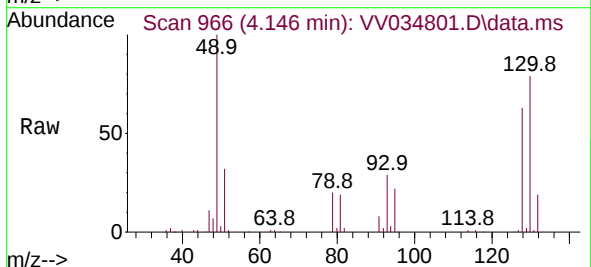
Instrument :
MSVOA_V
ClientSampleId :

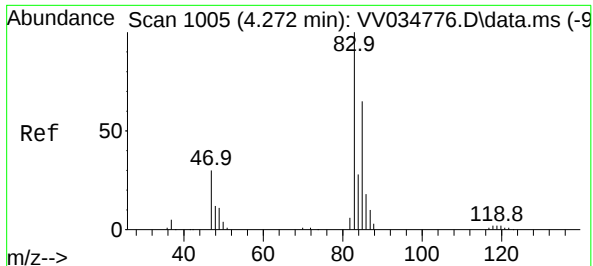
Tgt Ion: 43 Resp: 216430
Ion Ratio Lower Upper
43 100
72 25.5 11.5 34.4



#23
Bromochloromethane
Concen: 57.104 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

Tgt Ion:128 Resp: 68547
Ion Ratio Lower Upper
128 100
49 158.9 109.4 203.2
130 125.6 87.7 162.9
51 50.8 39.6 59.4





#25

Chloroform

Concen: 55.382 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Instrument :

MSVOA_V

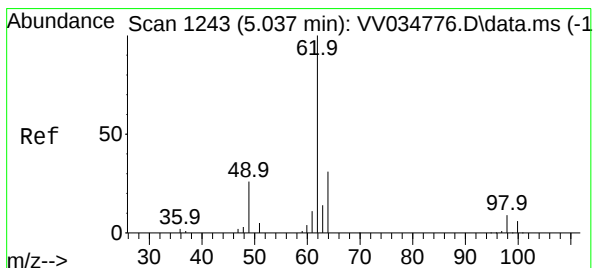
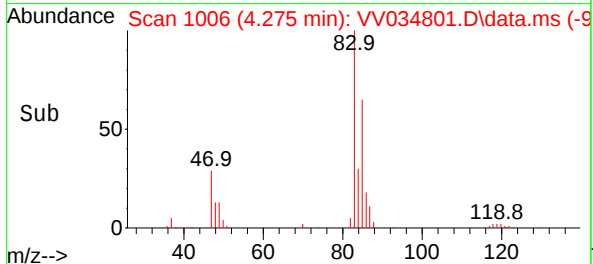
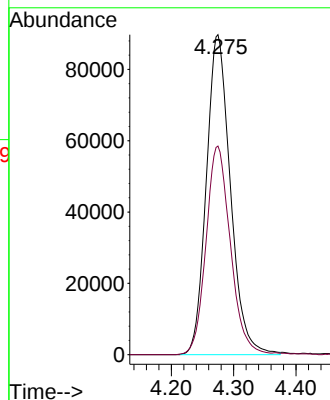
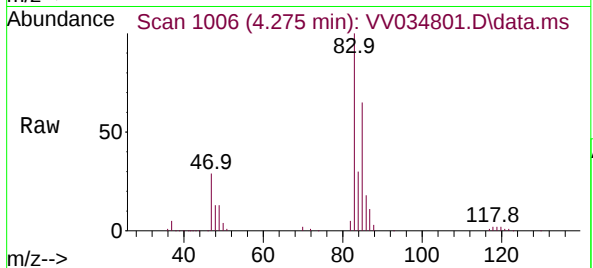
ClientSampleId :

Tgt Ion: 83 Resp: 240585

Ion Ratio Lower Upper

83 100

85 65.2 45.5 84.5



#27

1,2-Dichloroethane

Concen: 56.631 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV034801.D

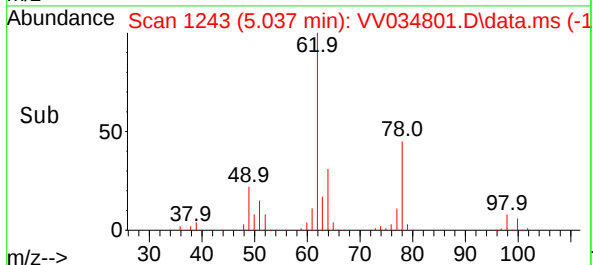
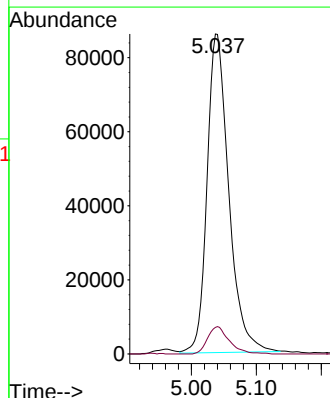
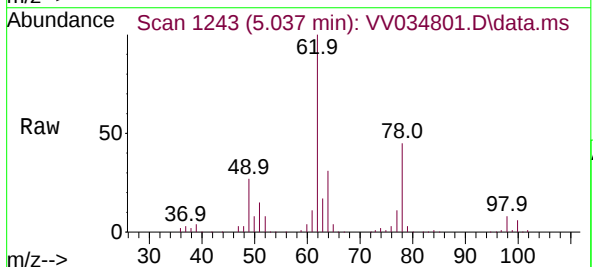
Acq: 21 Mar 2024 20:20

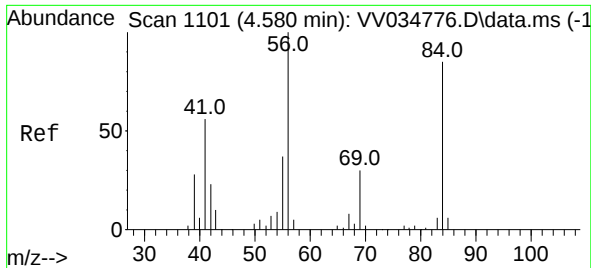
Tgt Ion: 62 Resp: 199877

Ion Ratio Lower Upper

62 100

98 8.3 6.6 10.0





#29

Cyclohexane

Concen: 38.249 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.000 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Instrument :

MSVOA_V

ClientSampleId :

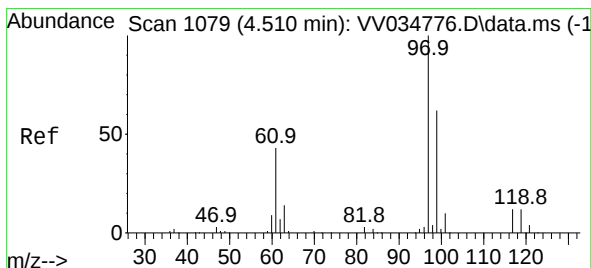
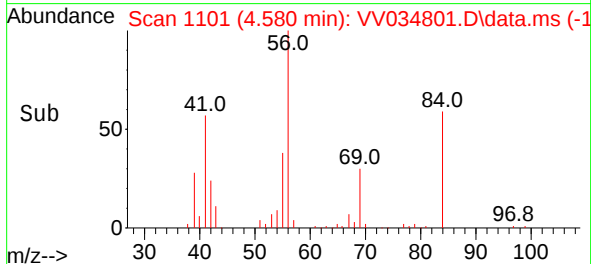
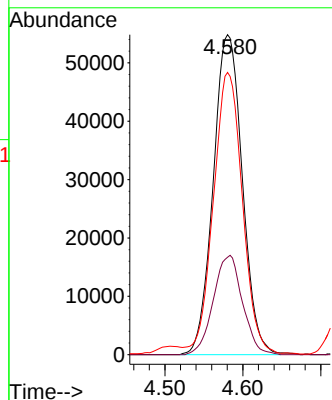
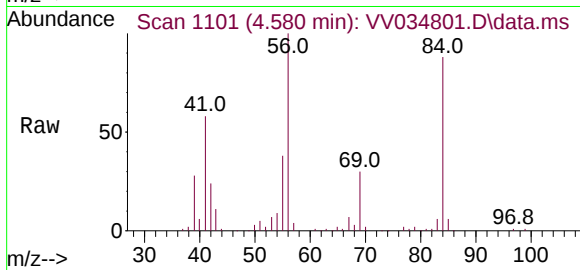
Tgt Ion: 56 Resp: 142328

Ion Ratio Lower Upper

56 100

69 31.1 24.2 36.4

84 87.4 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 48.803 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

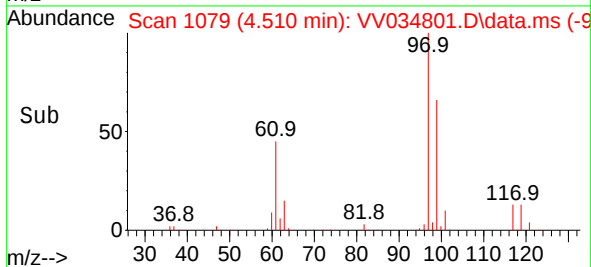
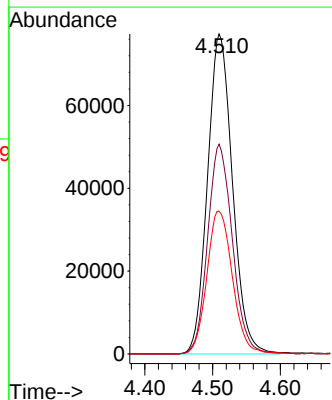
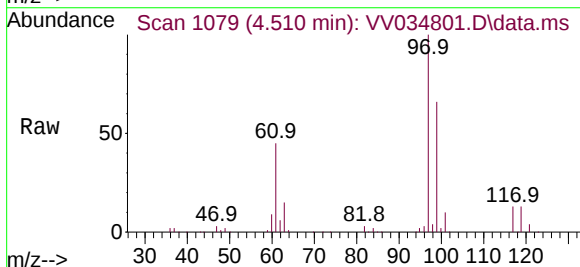
Tgt Ion: 97 Resp: 197979

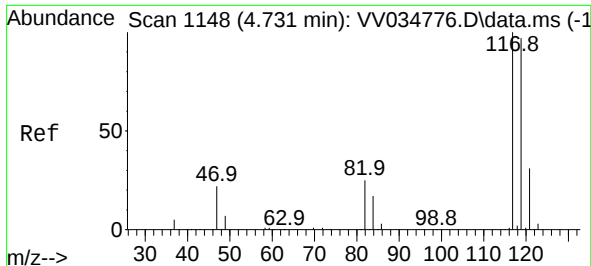
Ion Ratio Lower Upper

97 100

99 64.9 51.3 76.9

61 45.6 36.0 54.0

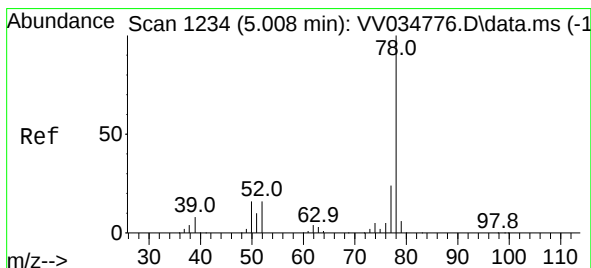
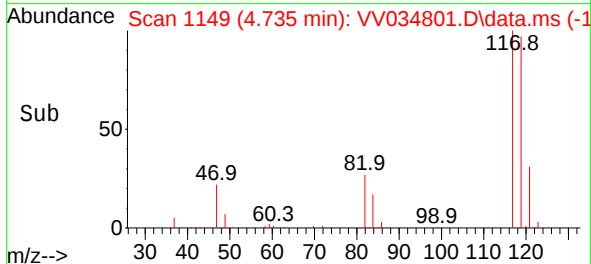
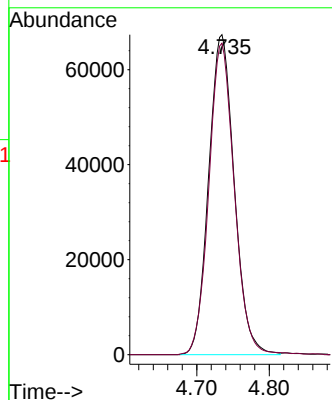
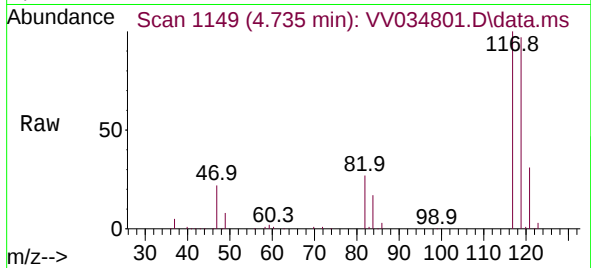




#31
Carbon tetrachloride
Concen: 45.996 ug/L
RT: 4.735 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

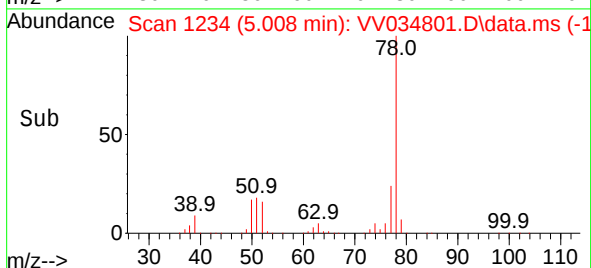
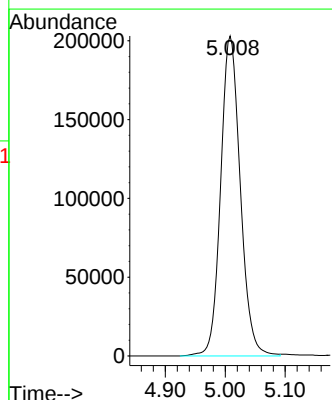
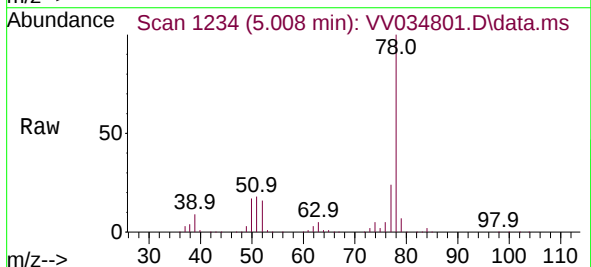
Instrument :
MSVOA_V
ClientSampleId :

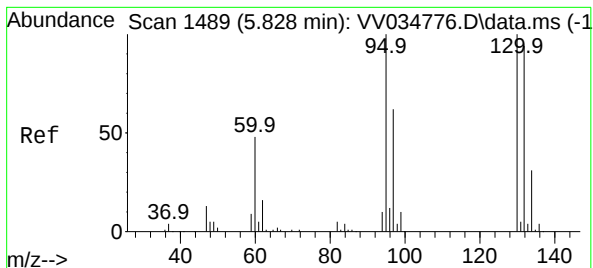
Tgt Ion:117 Resp: 165200
Ion Ratio Lower Upper
117 100
119 96.5 77.5 116.3



#33
Benzene
Concen: 52.452 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

Tgt Ion: 78 Resp: 460593





#34

Trichloroethene

Concen: 49.197 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 122800

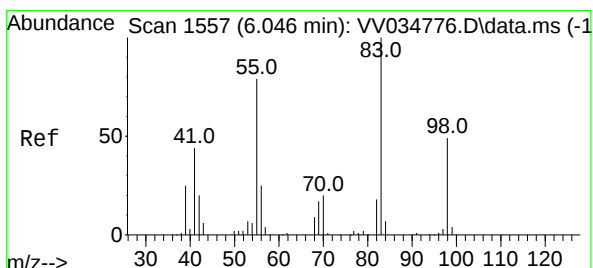
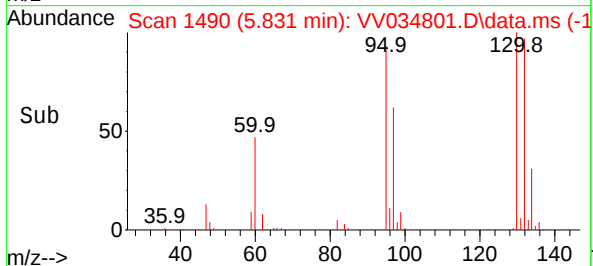
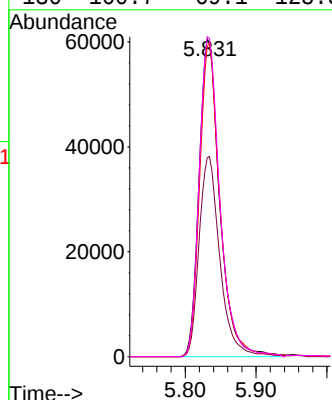
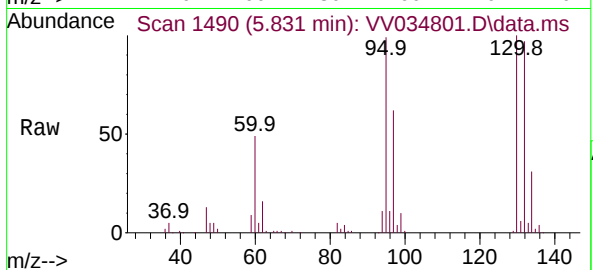
Ion Ratio Lower Upper

95 100

97 62.6 44.7 83.1

132 97.6 65.3 121.3

130 100.7 69.1 128.3



#35

Methylcyclohexane

Concen: 38.125 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

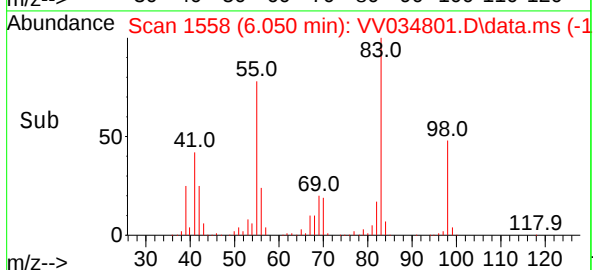
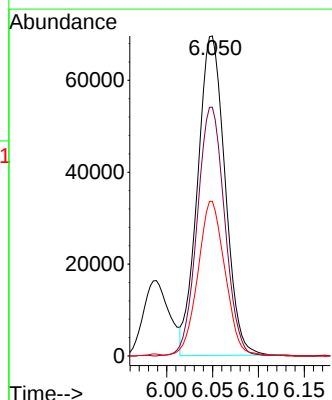
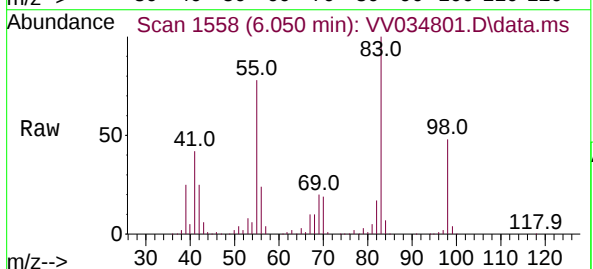
Tgt Ion: 83 Resp: 144672

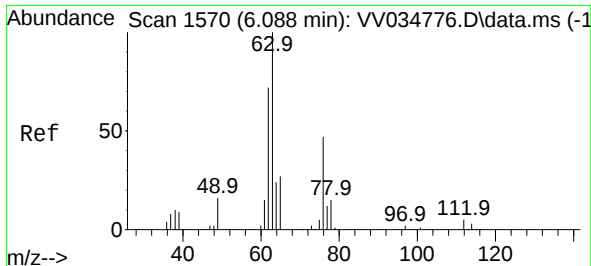
Ion Ratio Lower Upper

83 100

55 78.0 62.6 94.0

98 47.9 39.5 59.3

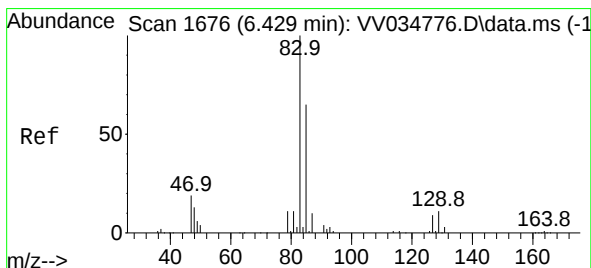
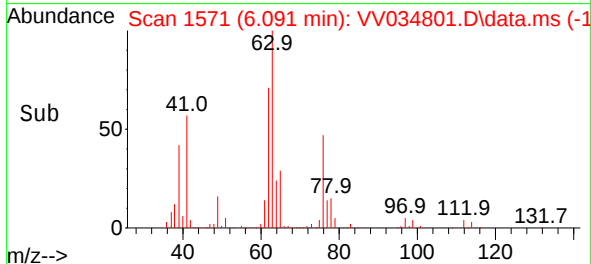
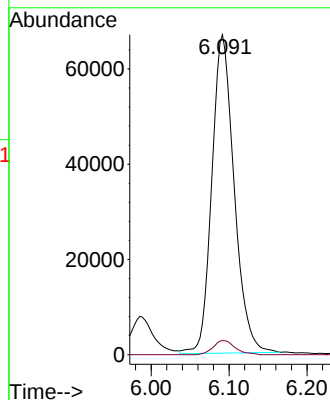
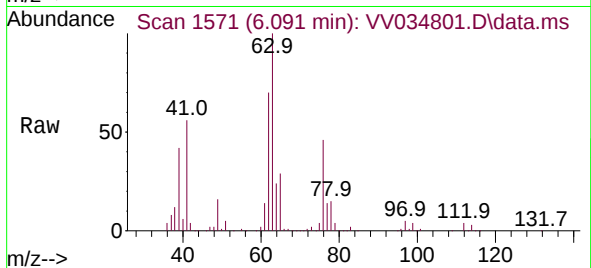




#37
1,2-Dichloropropane
Concen: 57.989 ug/L
RT: 6.091 min Scan# 1570
Delta R.T. 0.003 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

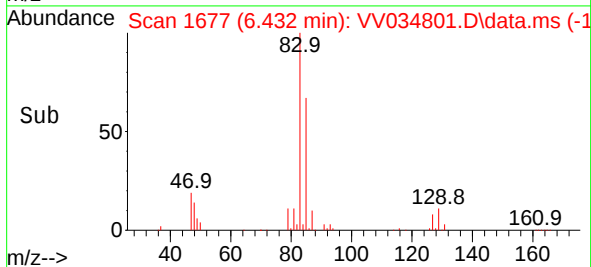
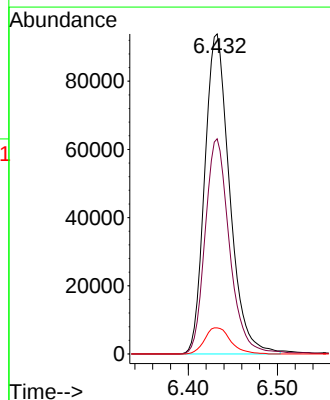
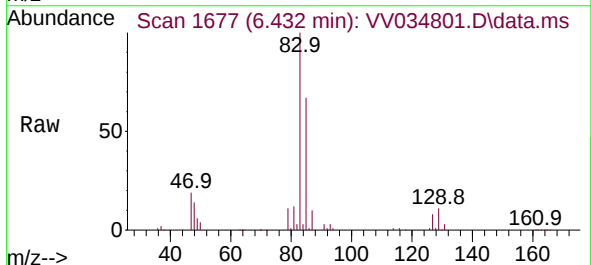
Instrument :
MSVOA_V
ClientSampleId :

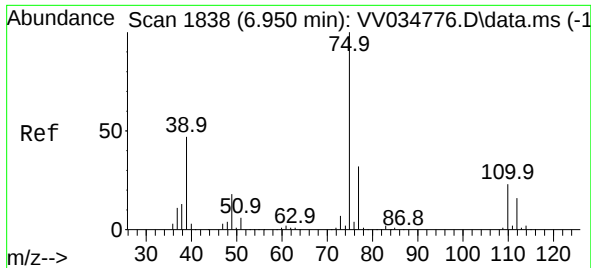
Tgt Ion: 63 Resp: 133318
Ion Ratio Lower Upper
63 100
112 4.4 3.5 5.3



#38
Bromodichloromethane
Concen: 56.312 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. 0.003 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

Tgt Ion: 83 Resp: 182102
Ion Ratio Lower Upper
83 100
85 67.2 44.6 82.8
127 8.1 6.9 10.3

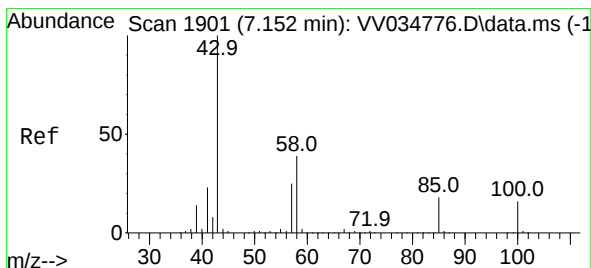
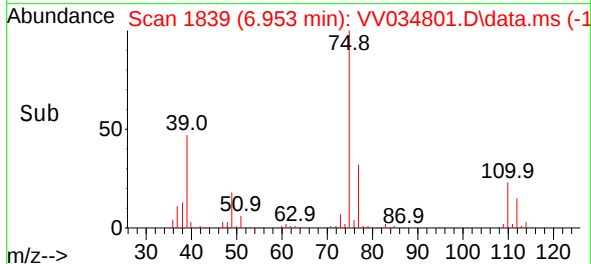
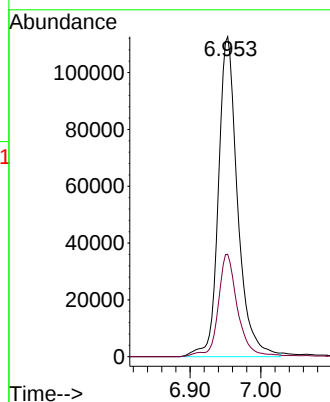
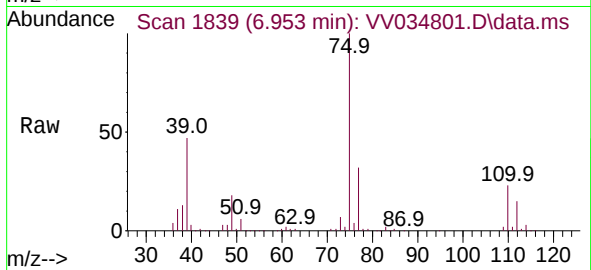




#39
cis-1,3-Dichloropropene
Concen: 57.063 ug/L
RT: 6.953 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

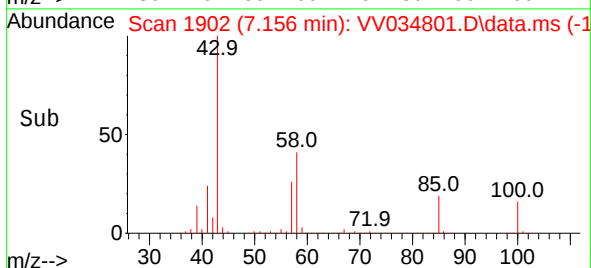
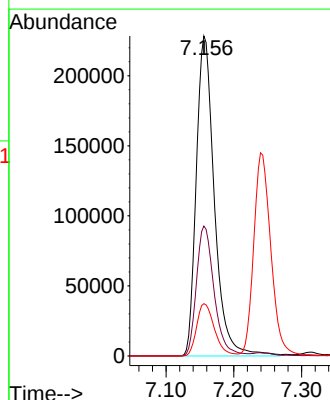
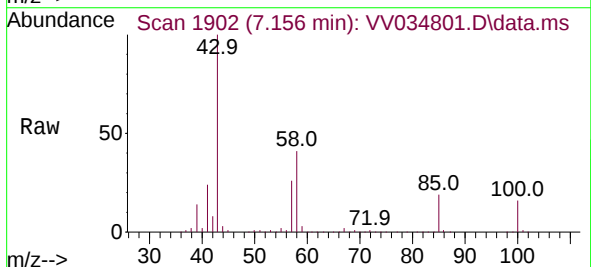
Instrument :
MSVOA_V
ClientSampleId :

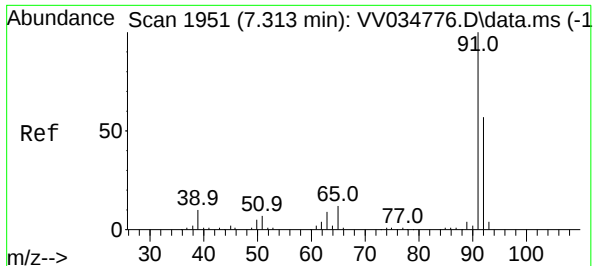
Tgt Ion: 75 Resp: 212549
Ion Ratio Lower Upper
75 100
77 32.0 20.9 38.9



#40
4-Methyl-2-pentanone
Concen: 125.121 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. 0.003 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

Tgt Ion: 43 Resp: 424163
Ion Ratio Lower Upper
43 100
58 39.6 30.6 46.0
100 16.0 12.5 18.7





#42

Toluene

Concen: 52.709 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Instrument :

MSVOA_V

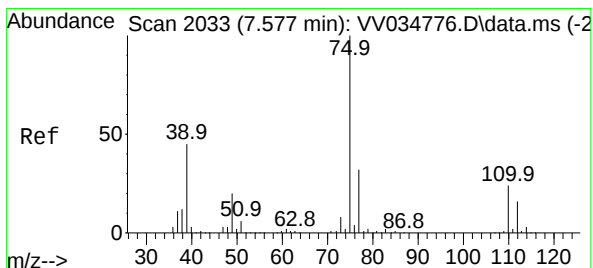
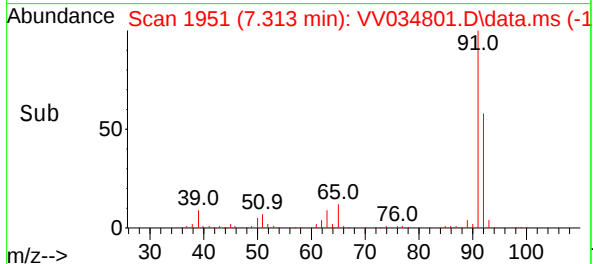
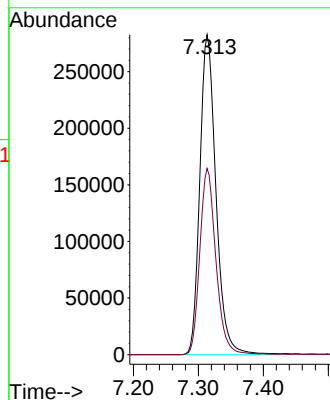
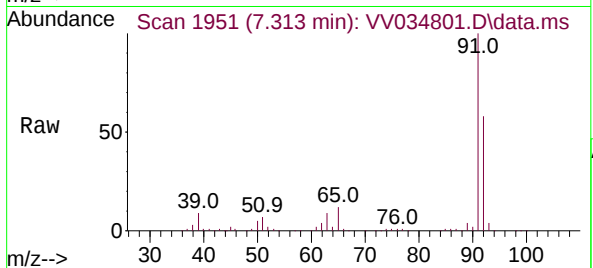
ClientSampleId :

Tgt Ion: 91 Resp: 489858

Ion Ratio Lower Upper

91 100

92 58.2 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 57.743 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV034801.D

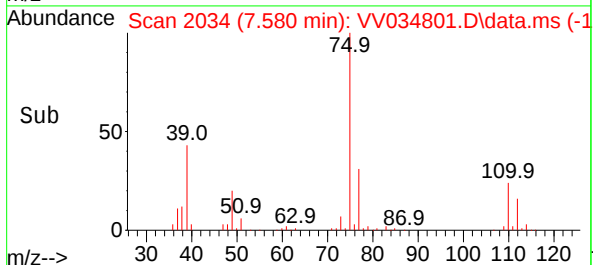
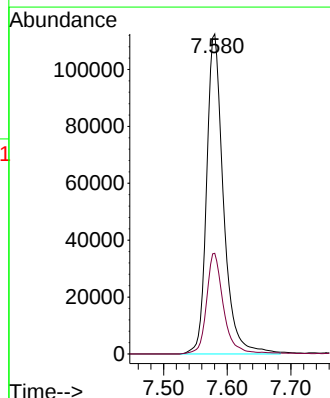
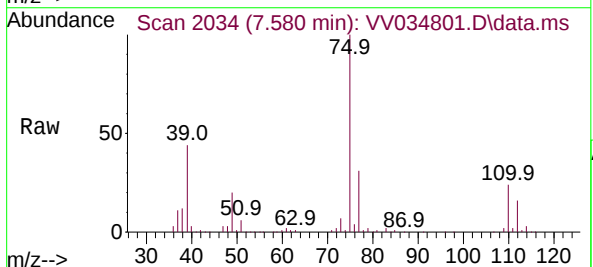
Acq: 21 Mar 2024 20:20

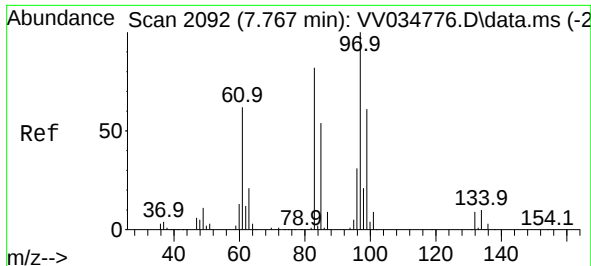
Tgt Ion: 75 Resp: 206860

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 61.076 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 135480

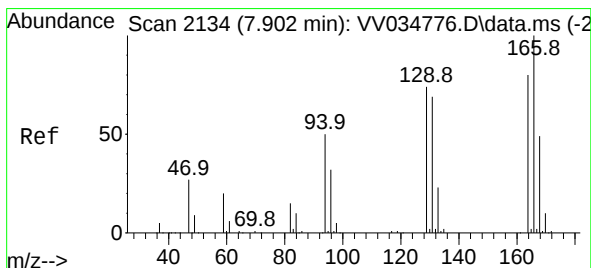
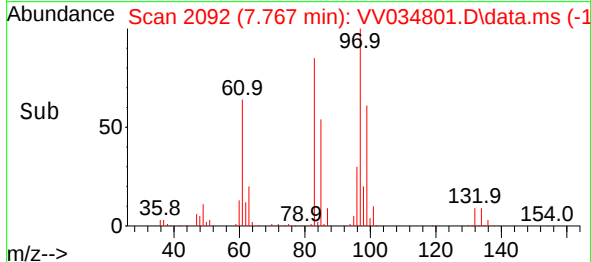
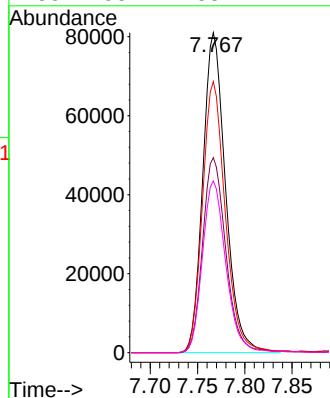
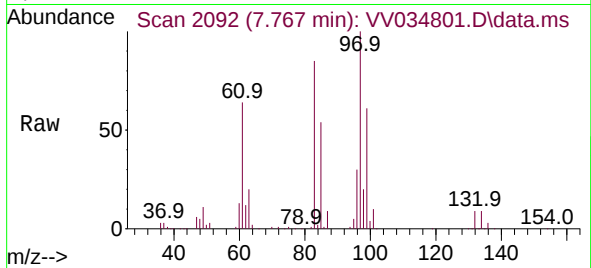
Ion Ratio Lower Upper

97 100

99 60.9 43.8 81.4

83 84.7 59.4 110.2

85 53.7 38.4 71.4



#46

Tetrachloroethene

Concen: 46.746 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.003 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Tgt Ion:164 Resp: 86776

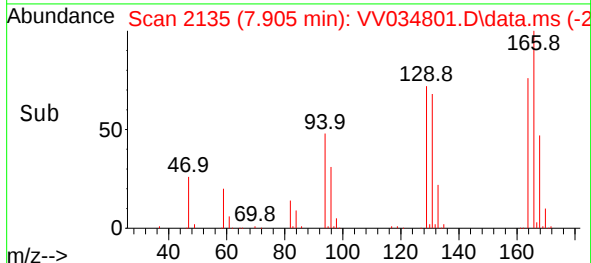
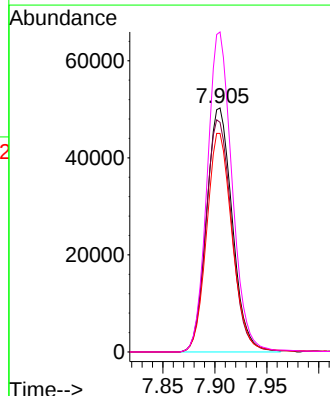
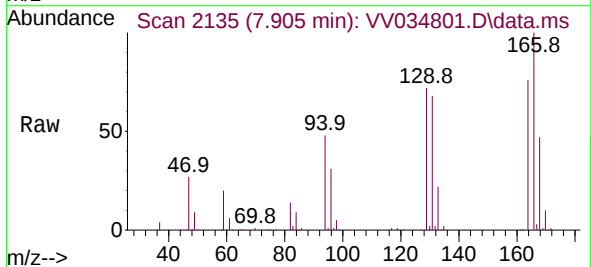
Ion Ratio Lower Upper

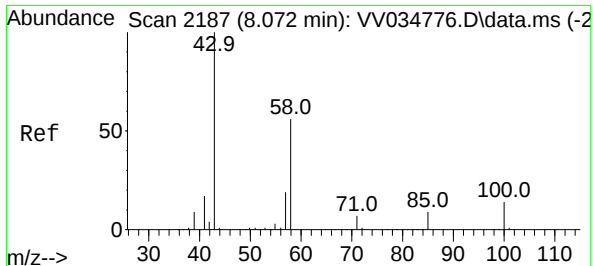
164 100

129 94.1 65.7 121.9

131 89.6 62.2 115.6

166 131.1 89.7 166.7

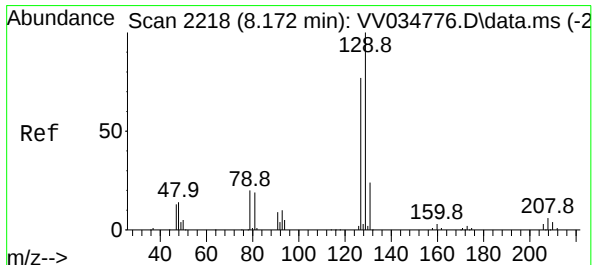
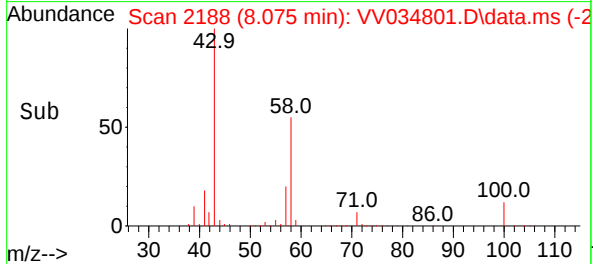
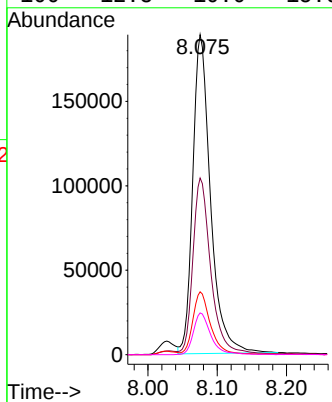
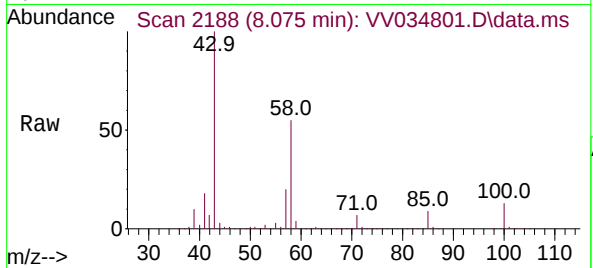




#48
2-Hexanone
Concen: 125.059 ug/L
RT: 8.075 min Scan# 2187
Delta R.T. 0.003 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

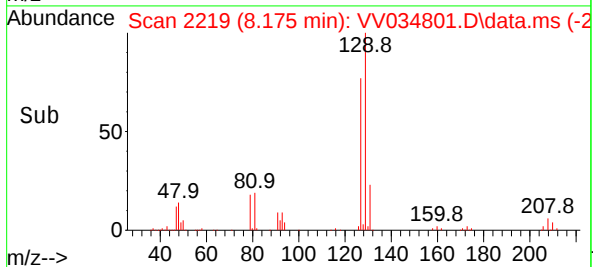
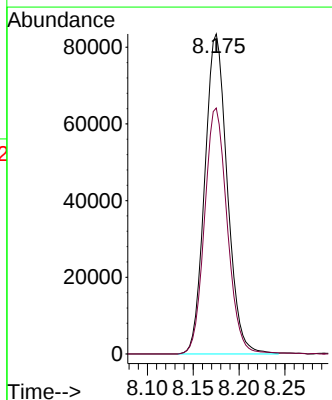
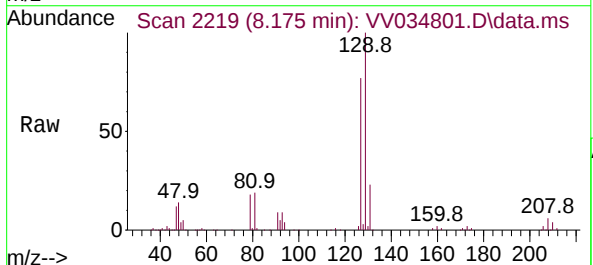
Instrument :
MSVOA_V
ClientSampleId :

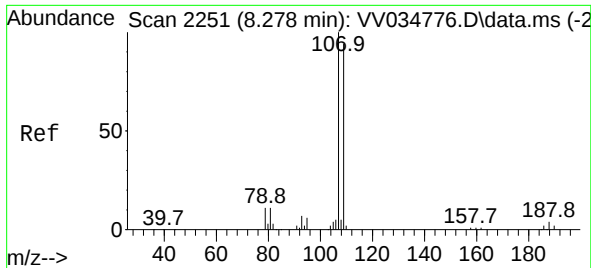
Tgt Ion: 43 Resp: 337824
Ion Ratio Lower Upper
43 100
58 55.3 42.0 63.0
57 19.2 15.2 22.8
100 12.8 10.0 15.0



#49
Dibromochloromethane
Concen: 60.900 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.003 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

Tgt Ion:129 Resp: 142557
Ion Ratio Lower Upper
129 100
127 76.9 53.3 98.9

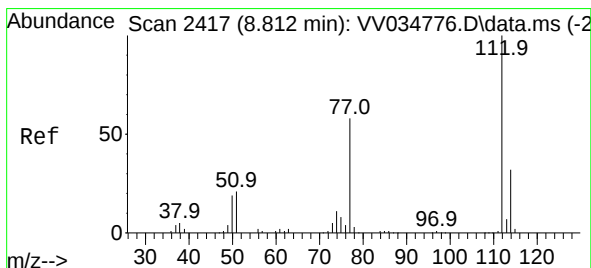
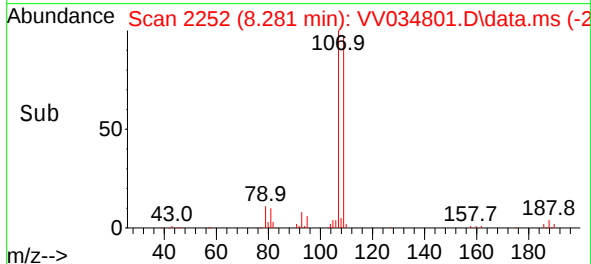
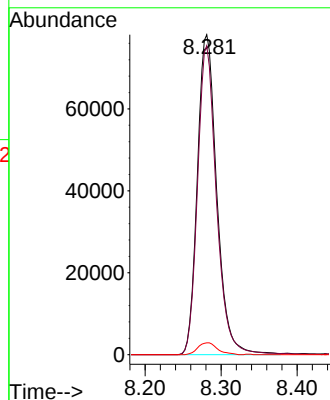
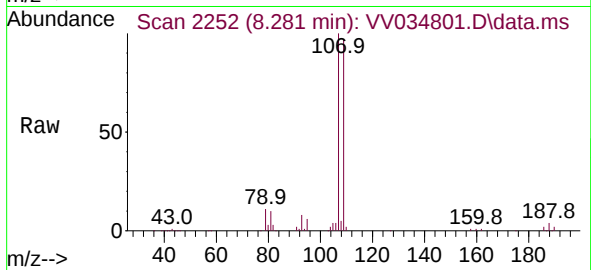




#50
1,2-Dibromoethane
Concen: 58.982 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

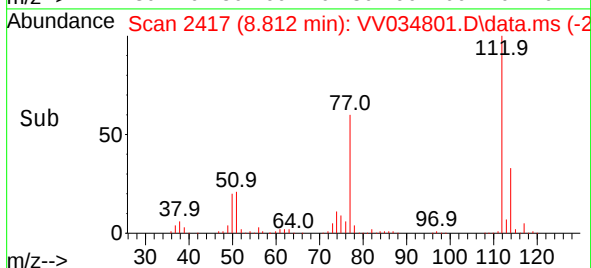
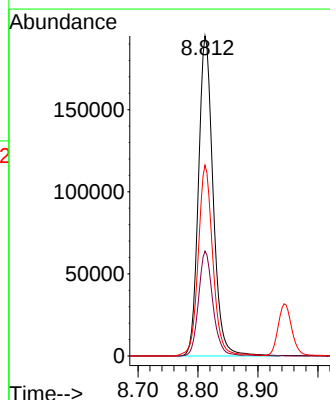
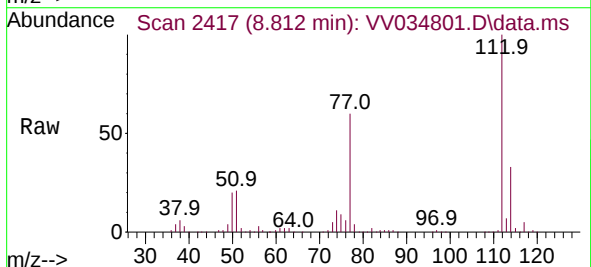
Instrument :
MSVOA_V
ClientSampleId :

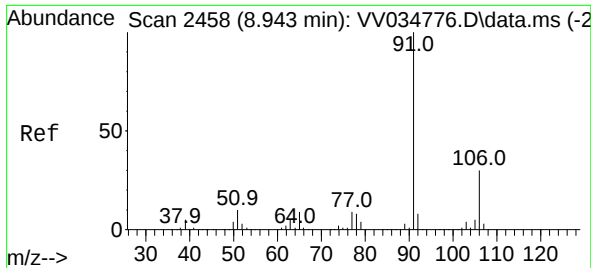
Tgt Ion:107 Resp: 138837
Ion Ratio Lower Upper
107 100
109 96.6 66.5 123.5
188 3.7 3.4 5.2



#51
Chlorobenzene
Concen: 55.135 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

Tgt Ion:112 Resp: 331257
Ion Ratio Lower Upper
112 100
114 32.7 22.3 41.5
77 59.6 47.7 71.5





#52

Ethylbenzene

Concen: 52.561 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Instrument :

MSVOA_V

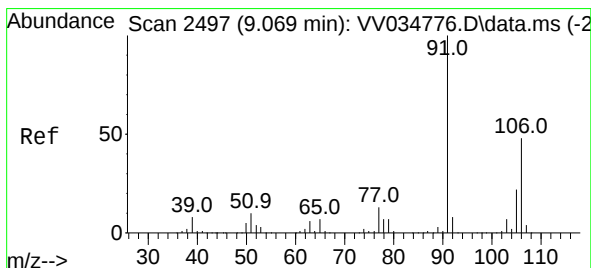
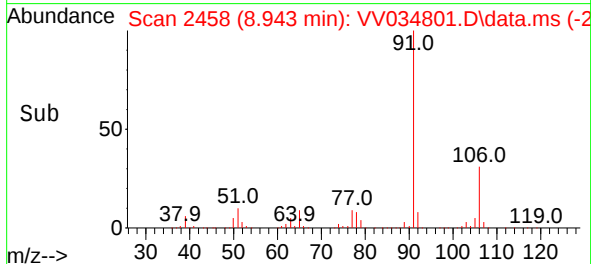
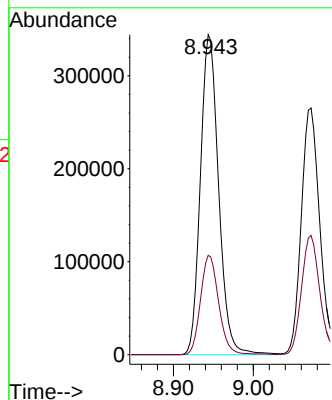
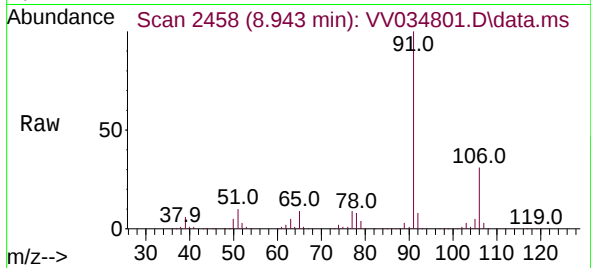
ClientSampleId :

Tgt Ion: 91 Resp: 547338

Ion Ratio Lower Upper

91 100

106 31.1 21.3 39.5



#53

m,p-Xylene

Concen: 51.914 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV034801.D

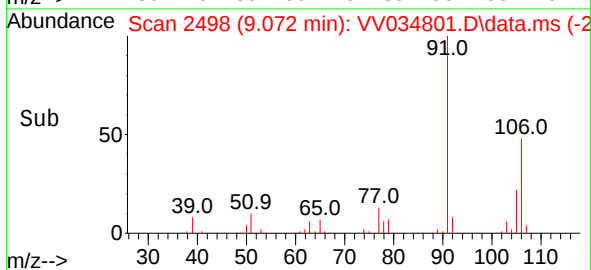
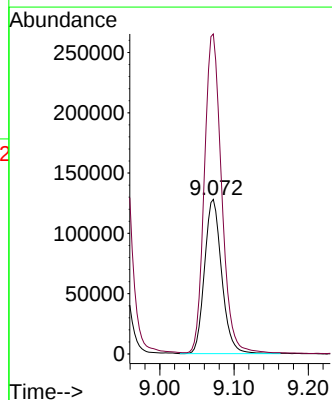
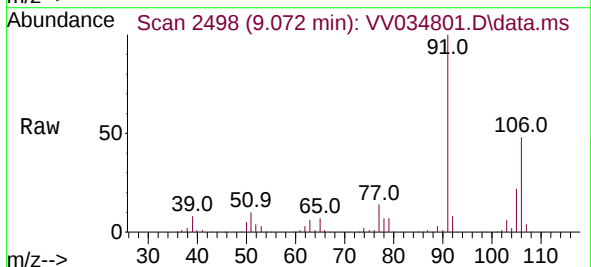
Acq: 21 Mar 2024 20:20

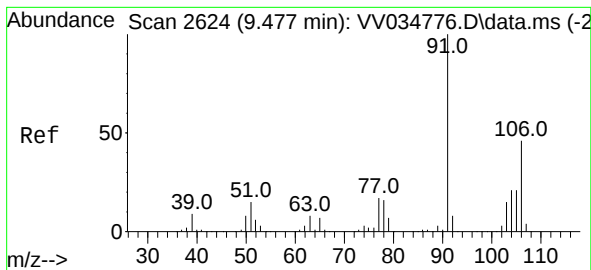
Tgt Ion:106 Resp: 205143

Ion Ratio Lower Upper

106 100

91 207.1 145.3 269.9





#54

o-Xylene

Concen: 54.776 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Instrument :

MSVOA_V

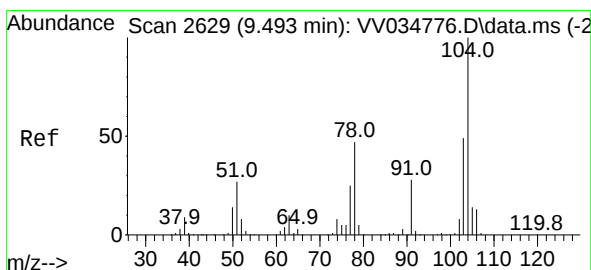
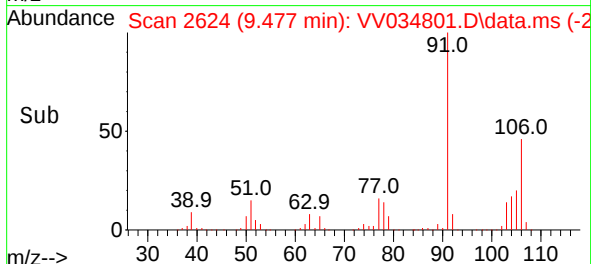
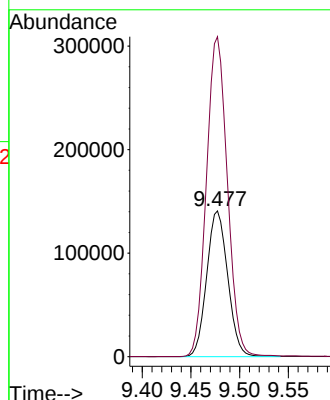
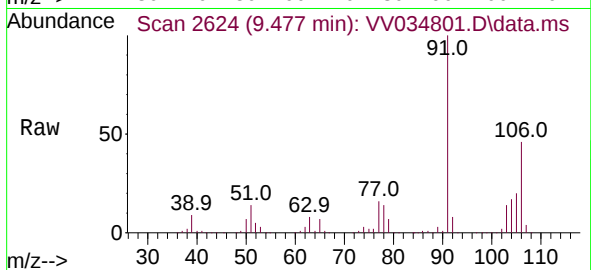
ClientSampleId :

Tgt Ion:106 Resp: 211956

Ion Ratio Lower Upper

106 100

91 219.5 152.2 282.7



#55

Styrene

Concen: 56.101 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.000 min

Lab File: VV034801.D

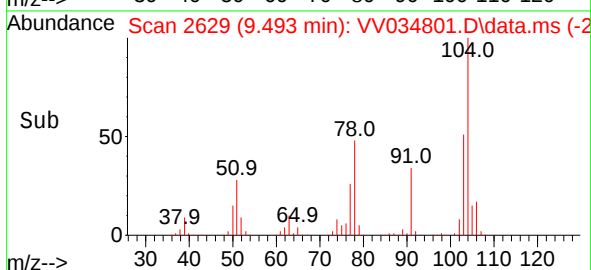
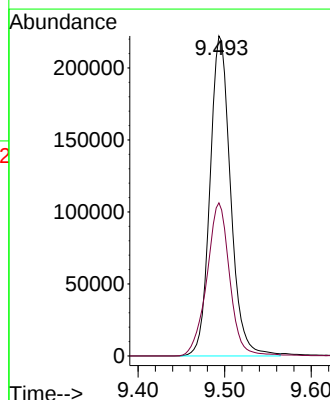
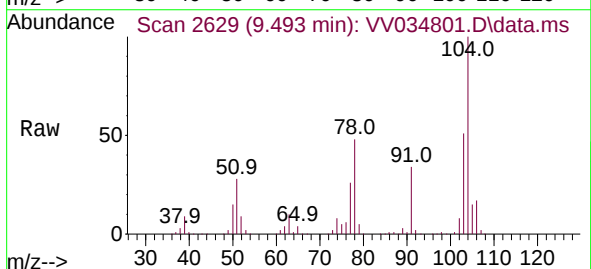
Acq: 21 Mar 2024 20:20

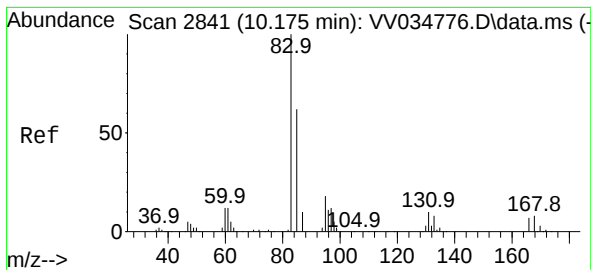
Tgt Ion:104 Resp: 367550

Ion Ratio Lower Upper

104 100

78 47.9 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 63.328 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Instrument :

MSVOA_V

ClientSampleId :

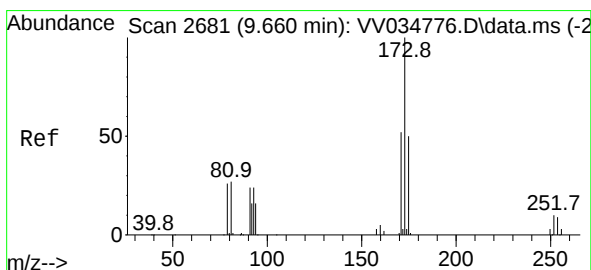
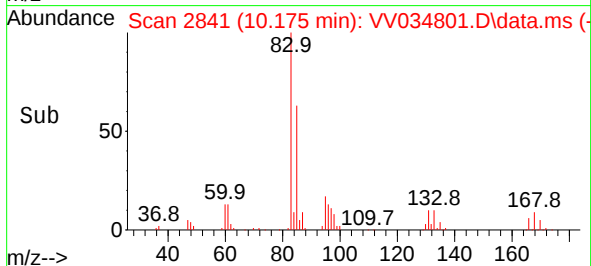
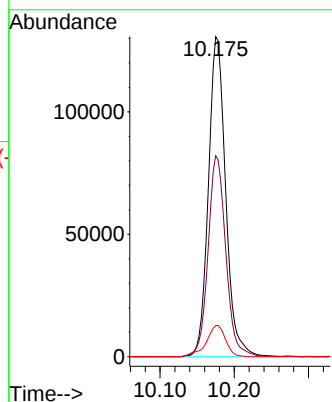
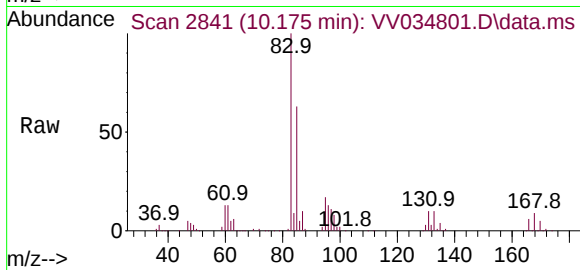
Tgt Ion: 83 Resp: 210991

Ion Ratio Lower Upper

83 100

85 62.8 45.4 84.2

131 9.7 8.3 12.5



#59

Bromoform

Concen: 65.218 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.003 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

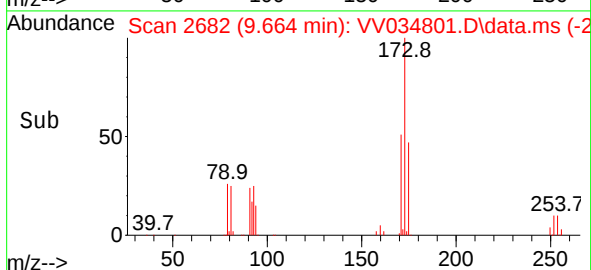
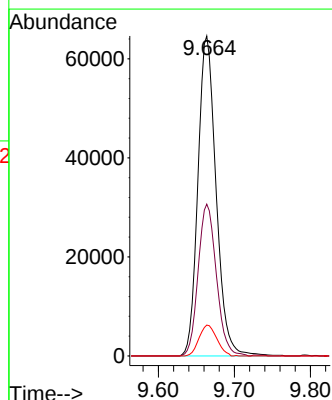
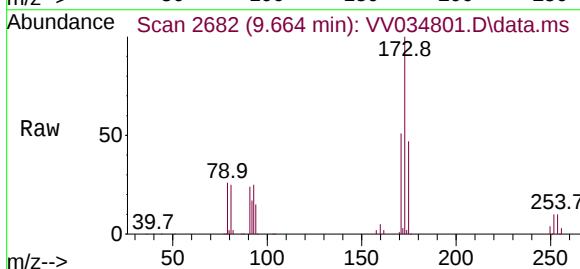
Tgt Ion:173 Resp: 107243

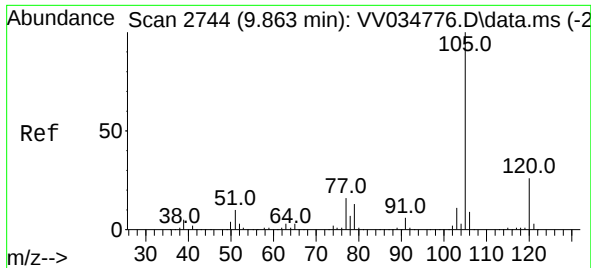
Ion Ratio Lower Upper

173 100

175 47.6 39.1 58.7

254 9.4 7.8 11.8

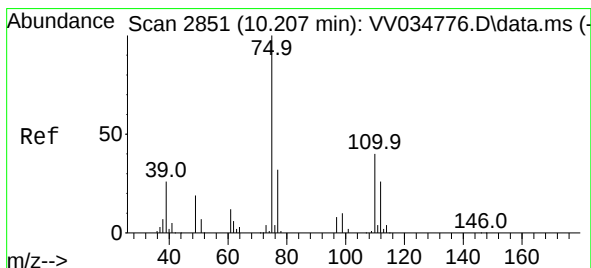
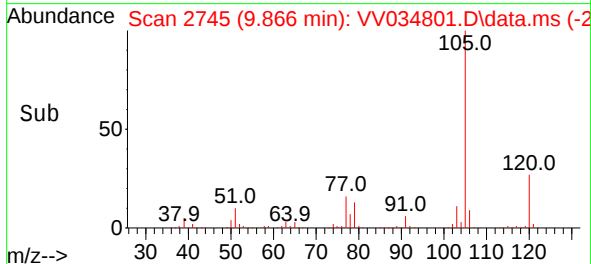
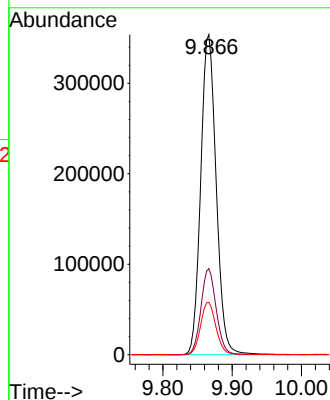
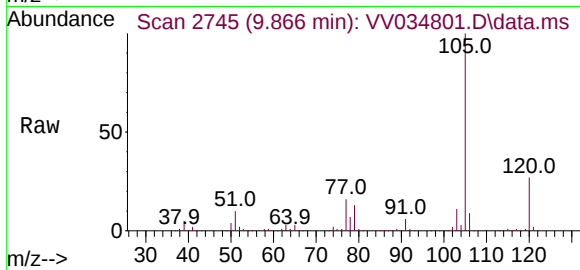




#60
Isopropylbenzene
Concen: 52.288 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

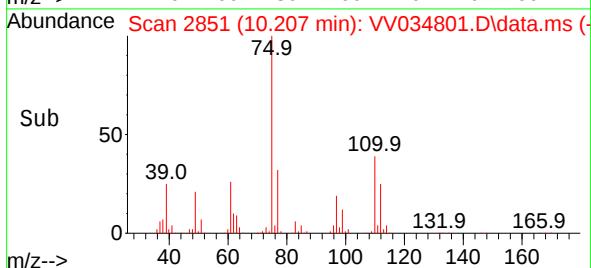
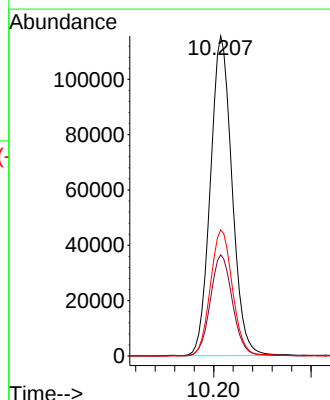
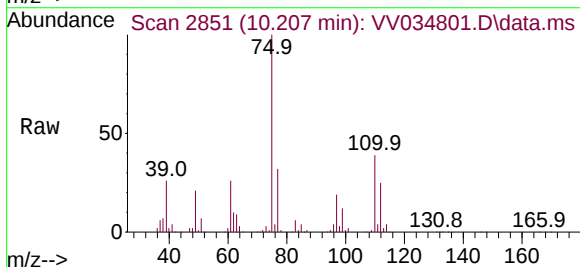
Instrument :
MSVOA_V
ClientSampleId :

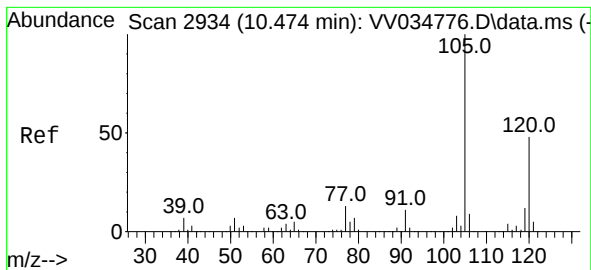
Tgt Ion:105 Resp: 548479
Ion Ratio Lower Upper
105 100
120 26.5 20.8 31.2
77 16.2 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 62.876 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

Tgt Ion: 75 Resp: 178011
Ion Ratio Lower Upper
75 100
77 32.5 25.9 38.9
110 40.5 33.1 49.7





#62

1,3,5-Trimethylbenzene

Concen: 52.863 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Instrument :

MSVOA_V

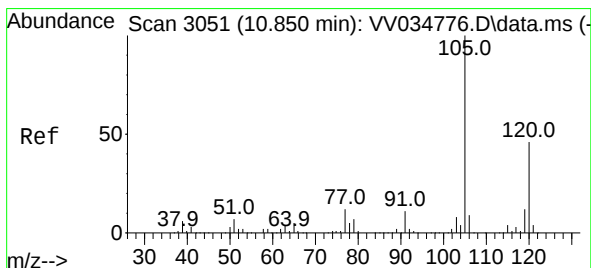
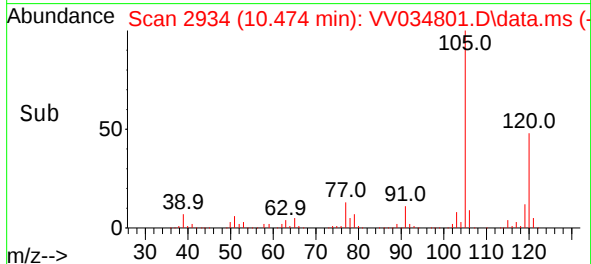
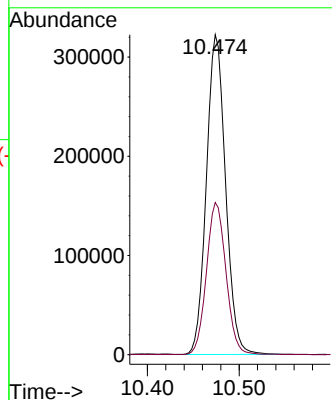
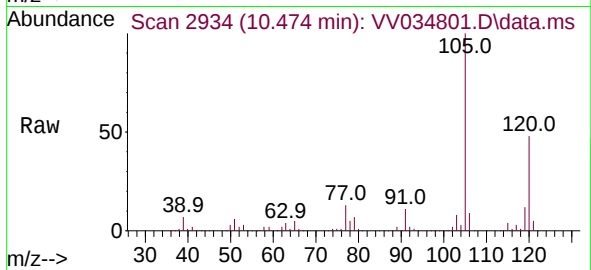
ClientSampleId :

Tgt Ion:105 Resp: 467751

Ion Ratio Lower Upper

105 100

120 48.6 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 54.643 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV034801.D

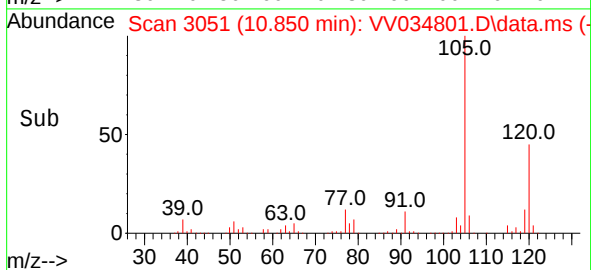
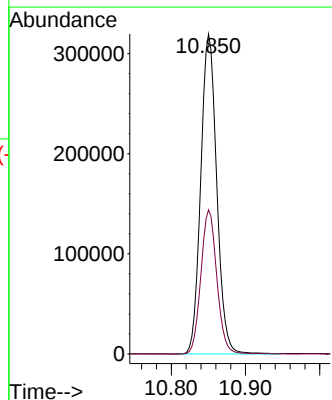
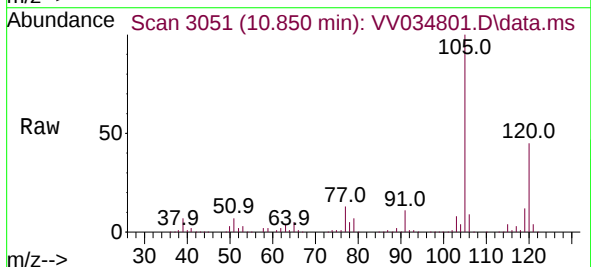
Acq: 21 Mar 2024 20:20

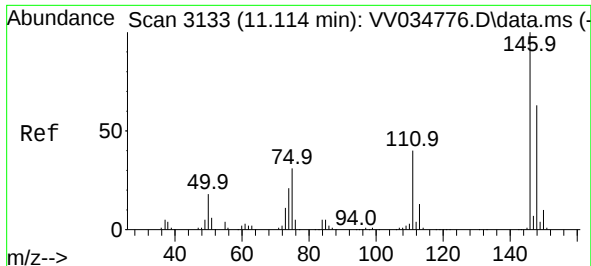
Tgt Ion:105 Resp: 478201

Ion Ratio Lower Upper

105 100

120 44.8 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 54.199 ug/L

RT: 11.117 min Scan# 3133

Delta R.T. 0.003 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Instrument :

MSVOA_V

ClientSampleId :

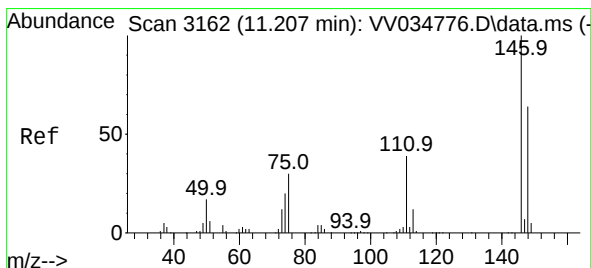
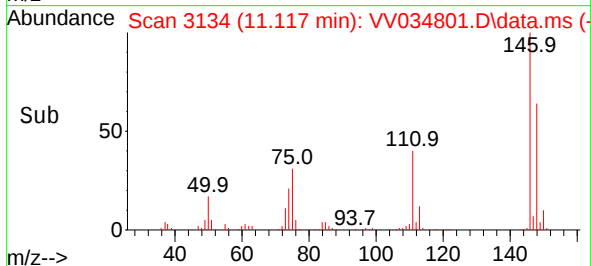
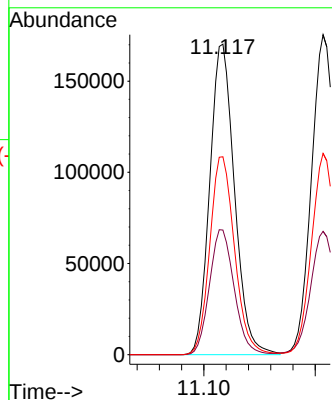
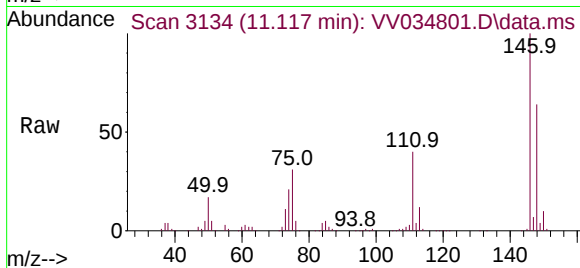
Tgt Ion:146 Resp: 262859

Ion Ratio Lower Upper

146 100

111 40.2 27.9 51.7

148 63.7 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 55.617 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

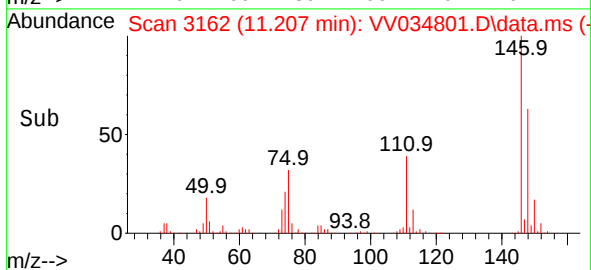
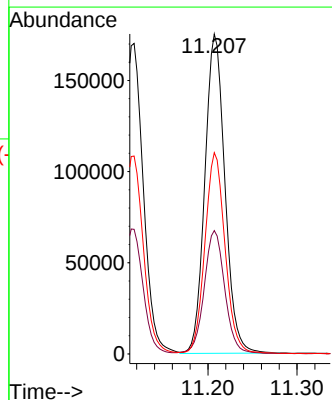
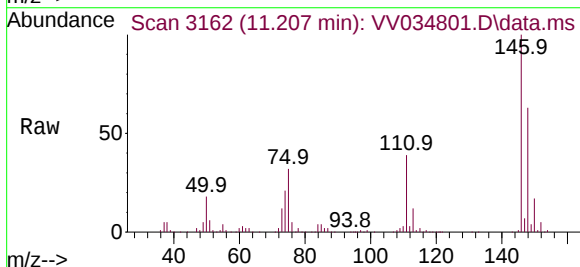
Tgt Ion:146 Resp: 273920

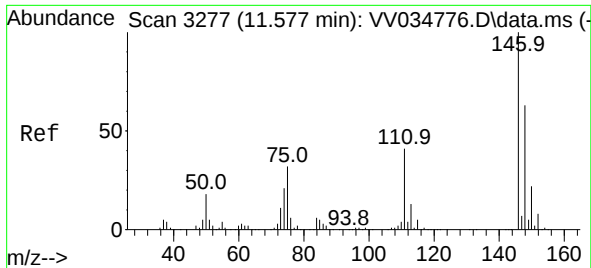
Ion Ratio Lower Upper

146 100

111 38.6 26.5 49.1

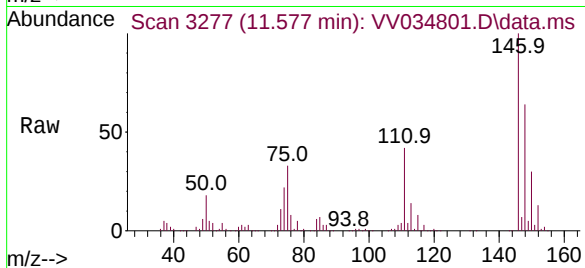
148 62.9 44.0 81.8



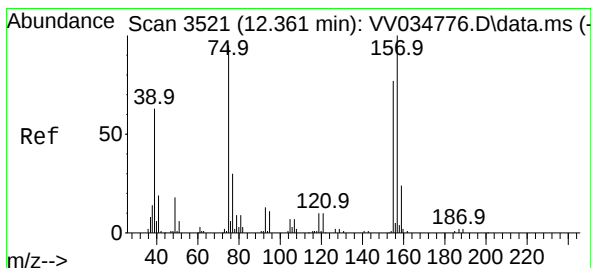
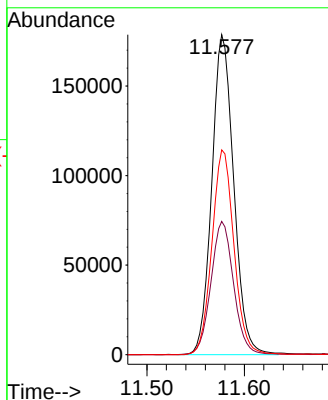
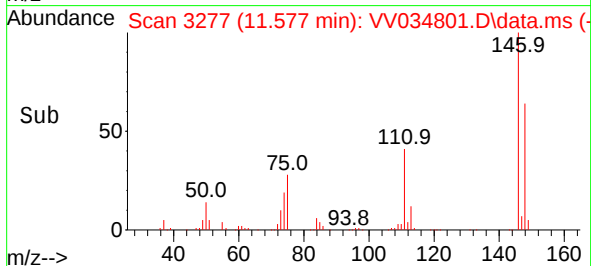


#67
1,2-Dichlorobenzene
Concen: 57.499 ug/L
RT: 11.577 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

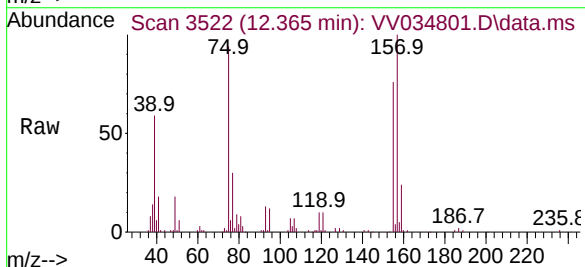
Instrument :
MSVOA_V
ClientSampleId :



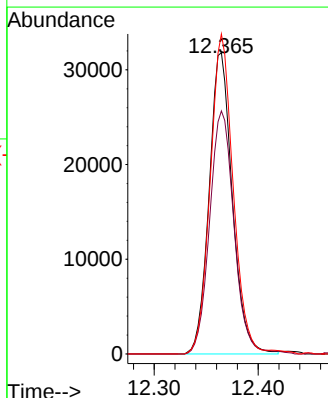
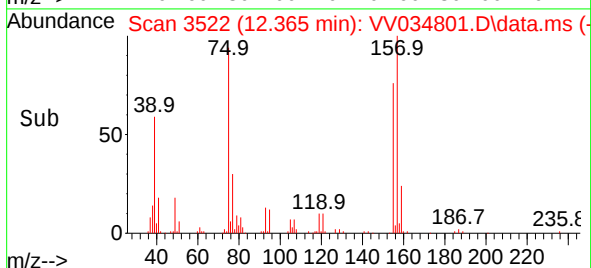
Tgt Ion:146 Resp: 279434
Ion Ratio Lower Upper
146 100
111 41.7 33.8 50.8
148 64.0 51.3 76.9

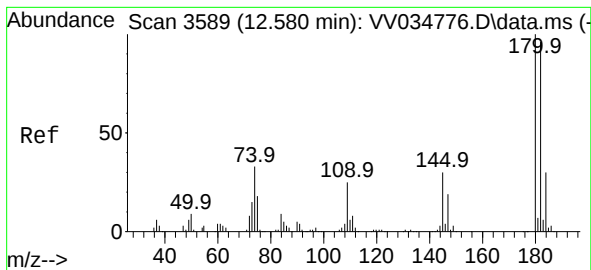


#68
1,2-Dibromo-3-chloropropane
Concen: 58.645 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.003 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20



Tgt Ion: 75 Resp: 49458
Ion Ratio Lower Upper
75 100
155 80.7 63.3 94.9
157 106.2 81.4 122.0





#69

1,3,5-Trichlorobenzene

Concen: 49.866 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

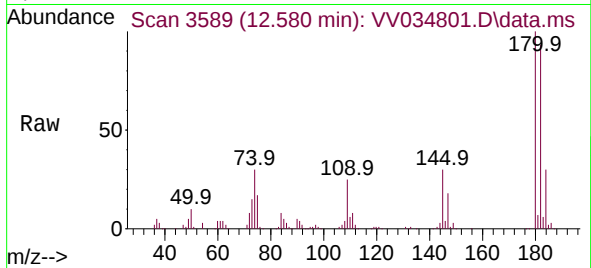
Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 181431

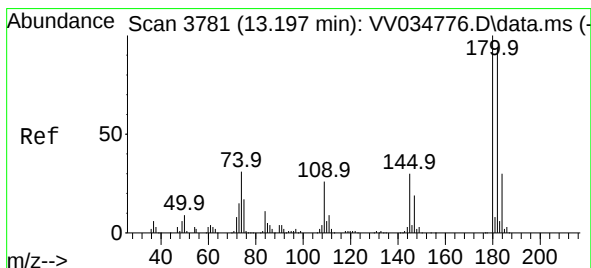
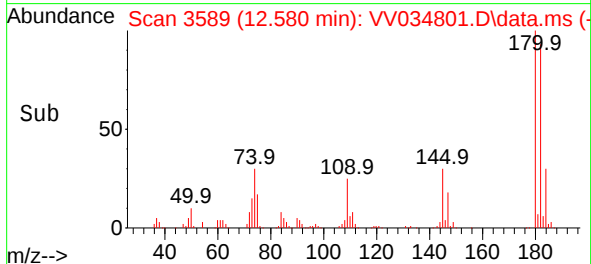
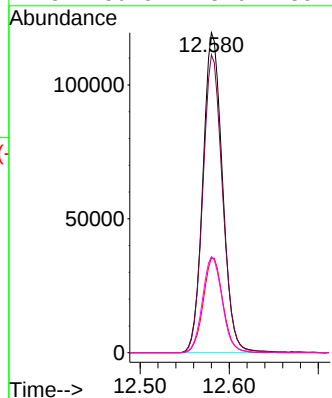
Ion Ratio Lower Upper

180 100

182 94.1 74.6 112.0

184 29.8 23.6 35.4

145 30.5 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 48.017 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV034801.D

Acq: 21 Mar 2024 20:20

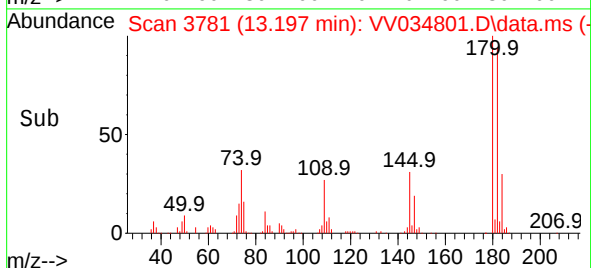
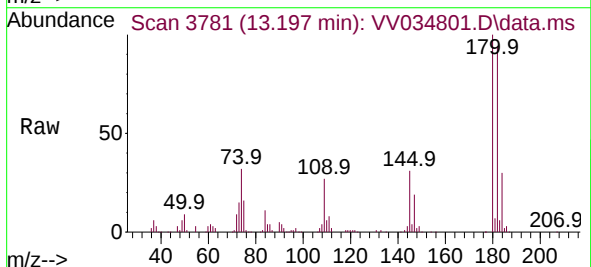
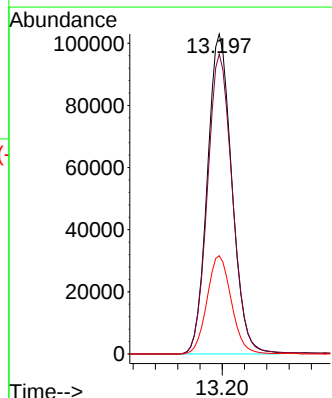
Tgt Ion:180 Resp: 157199

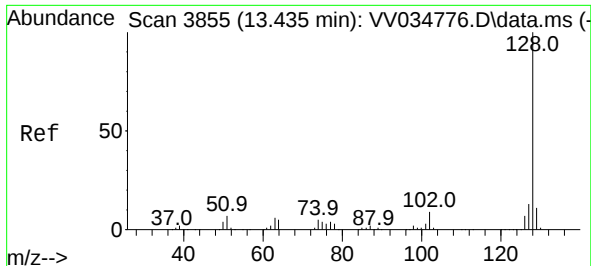
Ion Ratio Lower Upper

180 100

182 95.3 74.8 112.2

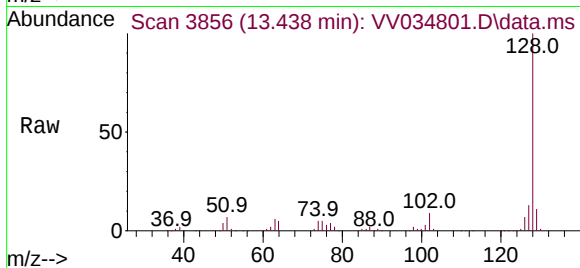
145 30.5 24.2 36.4



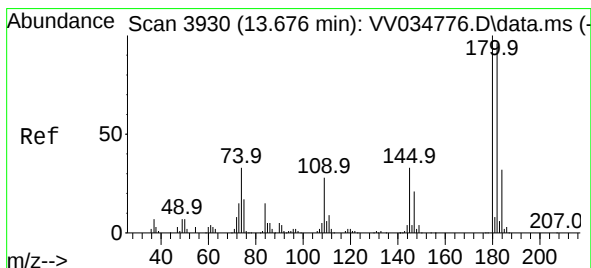
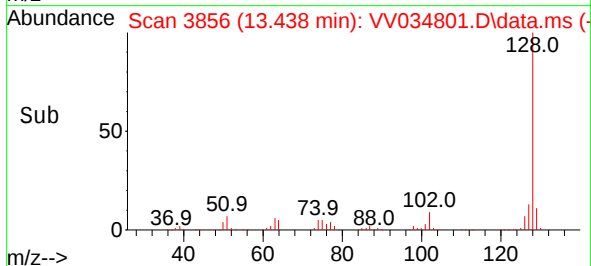
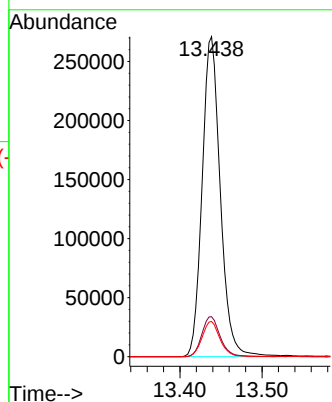


#71
Naphthalene
Concen: 47.564 ug/L
RT: 13.438 min Scan# 3855
Delta R.T. 0.003 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 416534
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 49.172 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.003 min
Lab File: VV034801.D
Acq: 21 Mar 2024 20:20

Tgt Ion:180 Resp: 157041
Ion Ratio Lower Upper
180 100
182 93.9 75.9 113.9
145 32.7 25.5 38.3

