

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032024\
 Data File : VV034774.D
 Acq On : 20 Mar 2024 19:43
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 21 02:23:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 21 02:16:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	345464	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	329465	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	172350	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	118335	39.513	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.020%
7) Chloroethane-d5	1.532	69	105020	45.012	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.020%
11) 1,1-Dichloroethene-d2	2.060	65	46913	34.637	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.280%
21) 2-Butanone-d5	3.789	46	201799	100.761	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.760%
24) Chloroform-d	4.249	84	259285	48.967	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.940%
26) 1,2-Dichloroethane-d4	4.940	65	171574	49.584	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.160%
32) Benzene-d6	4.957	84	485682	48.845	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.680%
36) 1,2-Dichloropropane-d6	5.985	67	151111	49.797	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.600%
41) Toluene-d8	7.239	98	442065	49.128	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.260%
43) trans-1,3-Dichloroprop...	7.551	79	77754	51.025	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.060%
47) 2-Hexanone-d5	8.024	63	131283	86.638	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.640%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	209905	52.563	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.120%
66) 1,2-Dichlorobenzene-d4	11.561	152	176493	50.099	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.200%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.108	85	143919	39.716	ug/L 99
3) Chloromethane	1.217	50	140079	39.341	ug/L 98
5) Vinyl chloride	1.285	62	142180	41.136	ug/L 98
6) Bromomethane	1.487	94	90344	43.565	ug/L 100
8) Chloroethane	1.548	64	92722	45.134	ug/L 100
9) Trichlorofluoromethane	1.712	101	227217	43.898	ug/L 99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	109391	39.213	ug/L 98
12) 1,1-Dichloroethene	2.069	96	98300	38.000	ug/L 96
13) Acetone	2.121	43	129424	53.756	ug/L 98
14) Carbon disulfide	2.240	76	279462	38.927	ug/L 100
15) Methyl Acetate	2.375	43	163012	52.923	ug/L 98
16) Methylene chloride	2.445	84	137851	50.238	ug/L 96
17) trans-1,2-Dichloroethene	2.693	96	119220	47.616	ug/L 99
18) Methyl tert-butyl Ether	2.703	73	474832	52.810	ug/L 99
19) 1,1-Dichloroethane	3.111	63	252913	51.565	ug/L 100
20) cis-1,2-Dichloroethene	3.812	96	141001	51.904	ug/L 94
22) 2-Butanone	3.870	43	219252	92.220	ug/L 98
23) Bromochloromethane	4.146	128	73096	52.035	ug/L 98
25) Chloroform	4.275	83	261058	51.352	ug/L 100

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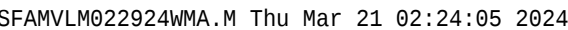
Instrument :
 MSVOA_V
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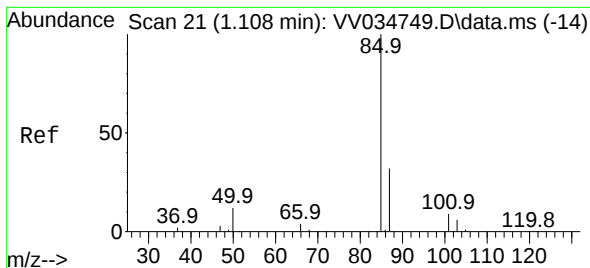
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	217493	52.658	ug/L	99
29) Cyclohexane	4.580	56	188726	43.550	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	235283	49.801	ug/L	99
31) Carbon tetrachloride	4.735	117	202334	48.372	ug/L	99
33) Benzene	5.008	78	516174	50.474	ug/L	100
34) Trichloroethene	5.831	95	137343	47.246	ug/L	96
35) Methylcyclohexane	6.050	83	194693	44.055	ug/L	99
37) 1,2-Dichloropropane	6.092	63	138631	51.778	ug/L	99
38) Bromodichloromethane	6.432	83	193474	51.373	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	226102	52.122	ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	431619	109.326	ug/L	98
42) Toluene	7.313	91	552677	51.064	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	218472	52.365	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	142598	55.199	ug/L	99
46) Tetrachloroethene	7.905	164	102634	47.474	ug/L	99
48) 2-Hexanone	8.072	43	341309	108.491	ug/L	97
49) Dibromochloromethane	8.175	129	146999	53.922	ug/L	100
50) 1,2-Dibromoethane	8.281	107	144775	52.812	ug/L	98
51) Chlorobenzene	8.812	112	363847	52.000	ug/L	98
52) Ethylbenzene	8.944	91	624412	51.488	ug/L	100
53) m,p-Xylene	9.072	106	233097	50.651	ug/L	96
54) o-Xylene	9.477	106	235408	52.238	ug/L	98
55) Styrene	9.493	104	403713	52.911	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	220104	56.727	ug/L	99
59) Bromoform	9.664	173	107097	56.047	ug/L	99
60) Isopropylbenzene	9.866	105	641833	52.655	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	181098	55.046	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	540315	52.548	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	542009	53.297	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	299074	53.066	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	302840	52.914	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	303550	53.750	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	55017	56.138	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	213447	50.484	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	194493	51.123	ug/L	98
71) Naphthalene	13.439	128	539803	53.044	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	196193	52.863	ug/L	99

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

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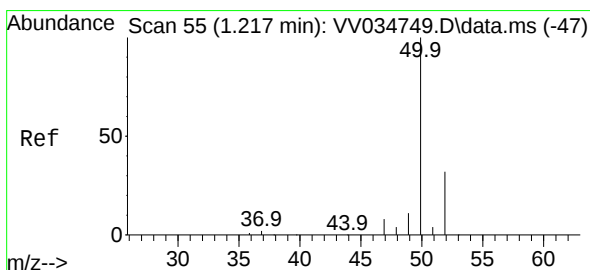
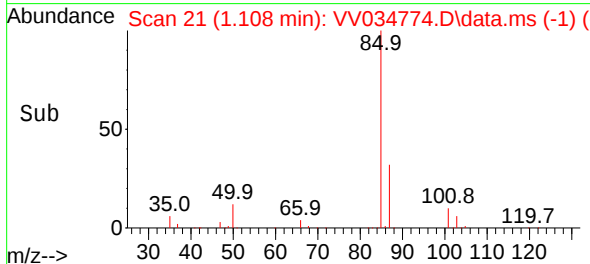
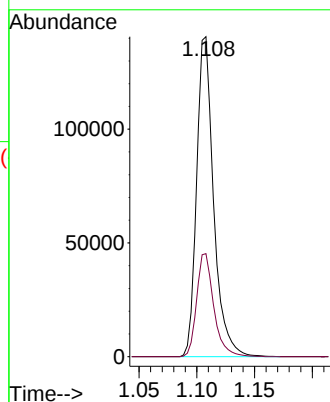
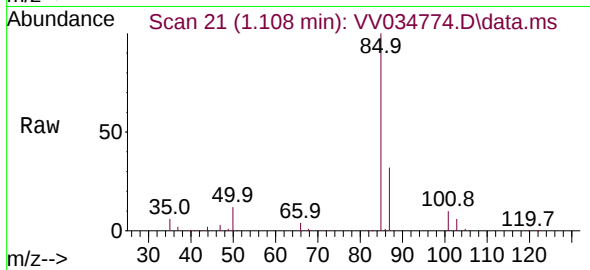




#2
 Dichlorodifluoromethane
 Concen: 39.716 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV034774.D
 Acq: 20 Mar 2024 19:43

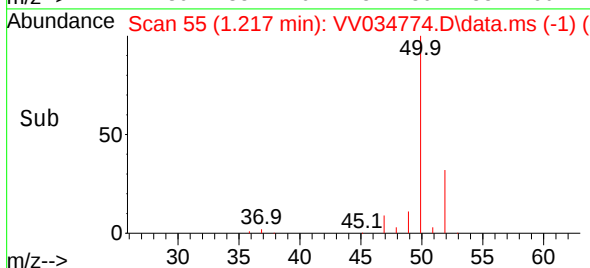
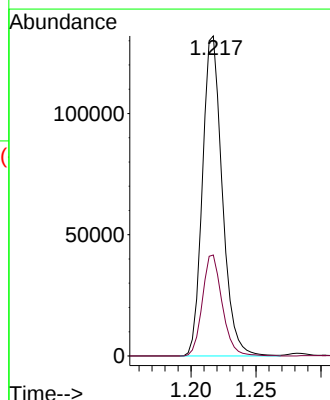
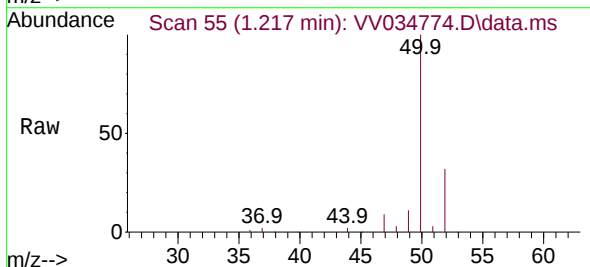
Instrument :
 MSVOA_V
 ClientSampleId :

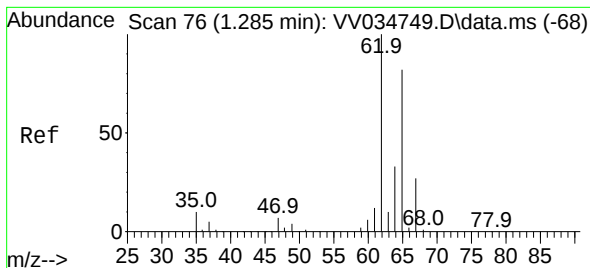
Tgt Ion: 85 Resp: 143919
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.5 38.3



#3
 Chloromethane
 Concen: 39.341 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV034774.D
 Acq: 20 Mar 2024 19:43

Tgt Ion: 50 Resp: 140079
 Ion Ratio Lower Upper
 50 100
 52 31.6 23.0 42.8





#5

Vinyl chloride

Concen: 41.136 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

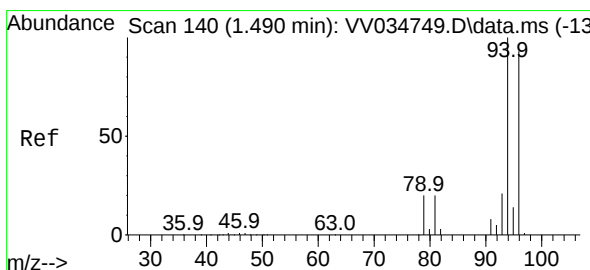
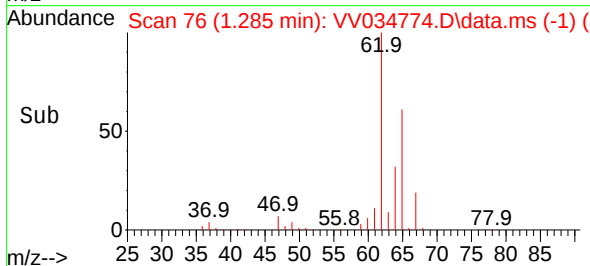
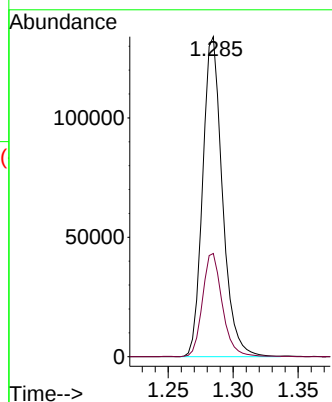
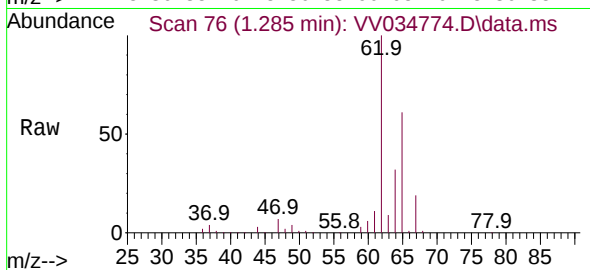
ClientSampleId :

Tgt Ion: 62 Resp: 142180

Ion Ratio Lower Upper

62 100

64 32.3 23.4 43.6



#6

Bromomethane

Concen: 43.565 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.003 min

Lab File: VV034774.D

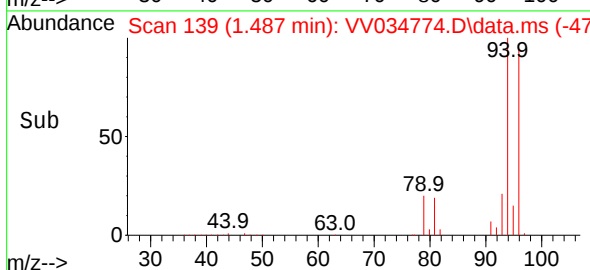
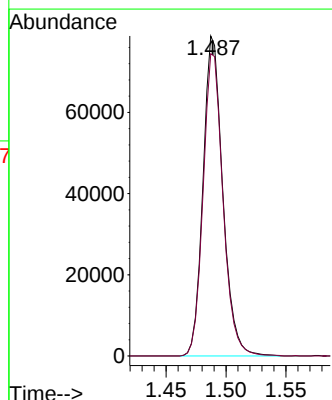
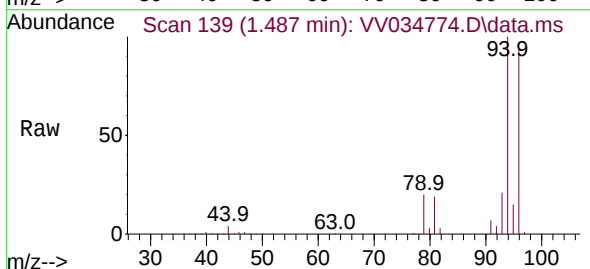
Acq: 20 Mar 2024 19:43

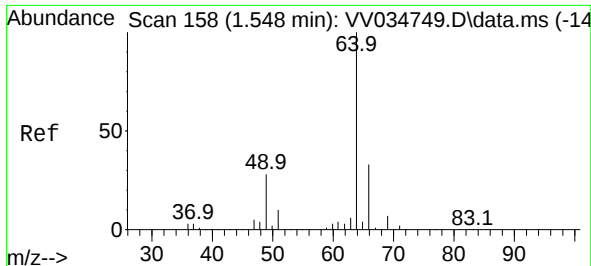
Tgt Ion: 94 Resp: 90344

Ion Ratio Lower Upper

94 100

96 94.4 66.0 122.6

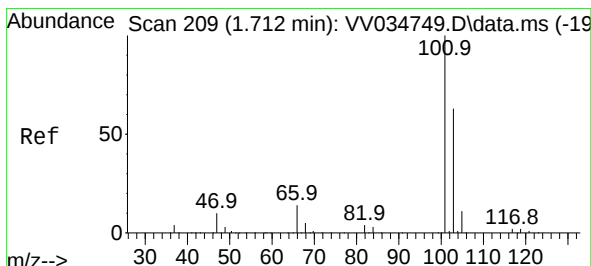
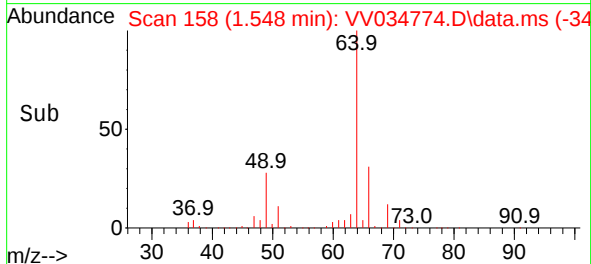
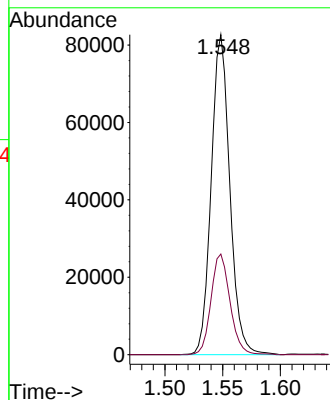
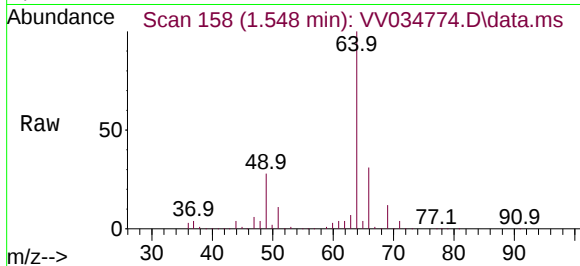




#8
Chloroethane
Concen: 45.134 ug/L
RT: 1.548 min Scan# 158
Delta R.T. 0.000 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

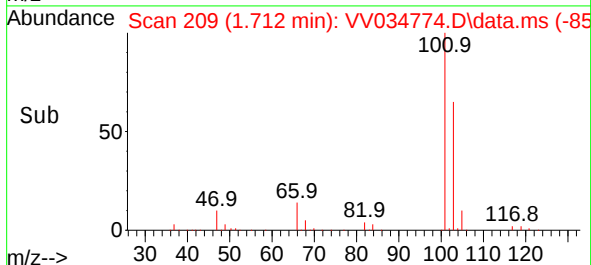
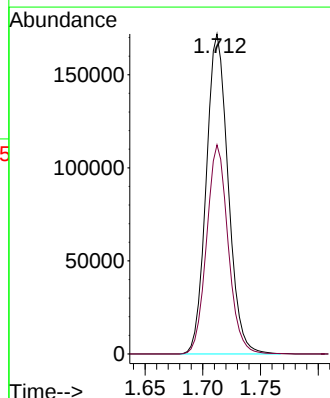
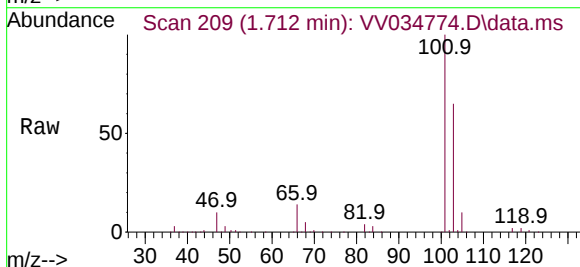
Instrument :
MSVOA_V
ClientSampleId :

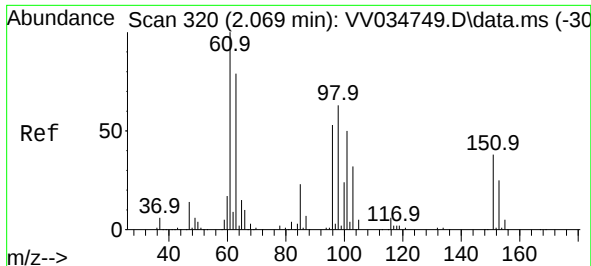
Tgt Ion: 64 Resp: 92722
Ion Ratio Lower Upper
64 100
66 31.5 22.0 40.8



#9
Trichlorofluoromethane
Concen: 43.898 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

Tgt Ion:101 Resp: 227217
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.8





#10

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

Concen: 39.213 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

ClientSampleId :

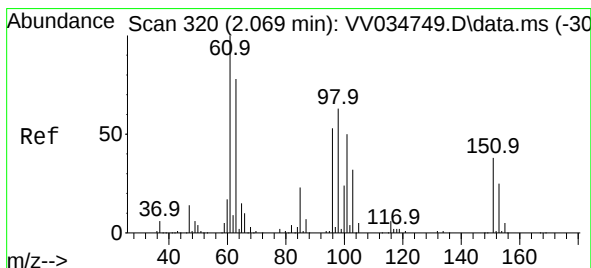
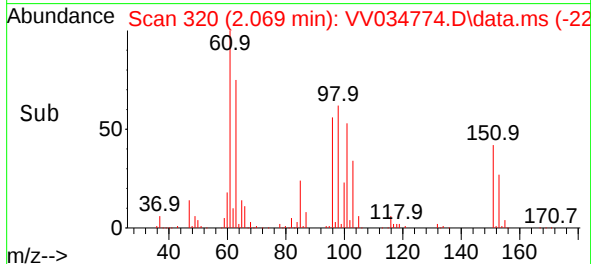
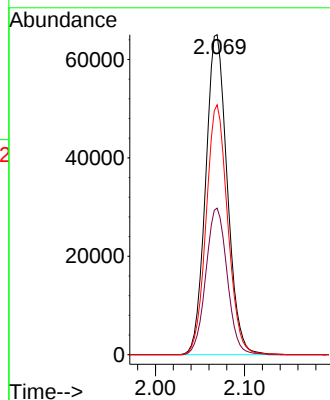
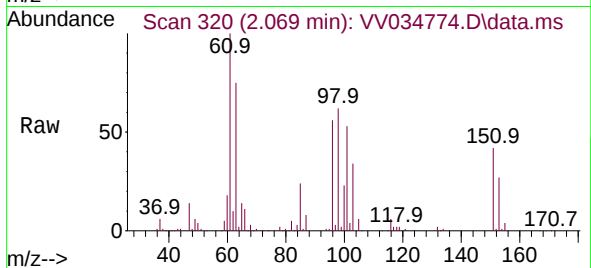
Tgt Ion:101 Resp: 109391

Ion Ratio Lower Upper

101 100

85 45.4 37.4 56.0

151 78.0 61.4 92.2



#12

1,1-Dichloroethene

Concen: 38.000 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

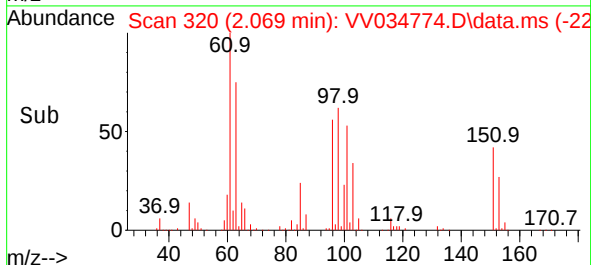
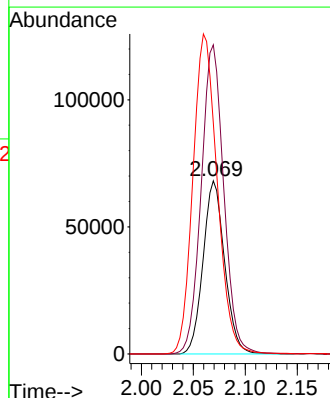
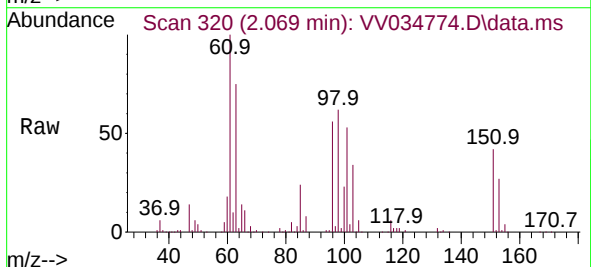
Tgt Ion: 96 Resp: 98300

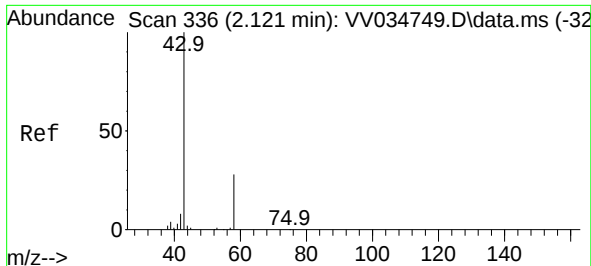
Ion Ratio Lower Upper

96 100

61 178.6 128.9 239.3

63 133.5 98.0 182.0





#13

Acetone

Concen: 53.756 ug/L

RT: 2.121 min Scan# 336

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

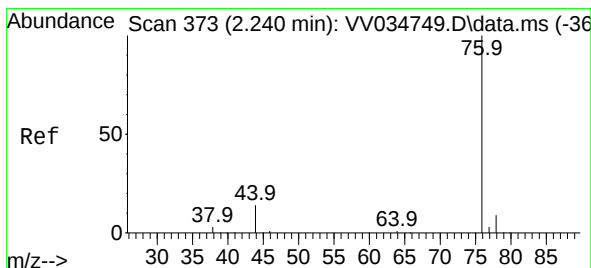
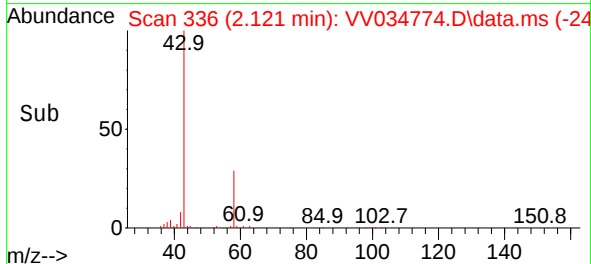
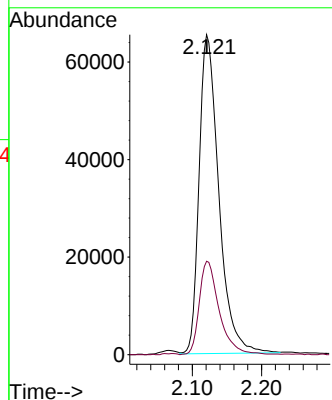
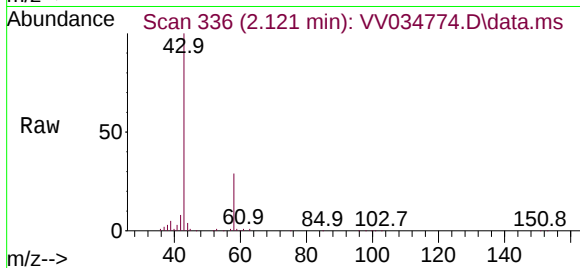
ClientSampleId :

Tgt Ion: 43 Resp: 129424

Ion Ratio Lower Upper

43 100

58 29.6 0.0 57.2



#14

Carbon disulfide

Concen: 38.927 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV034774.D

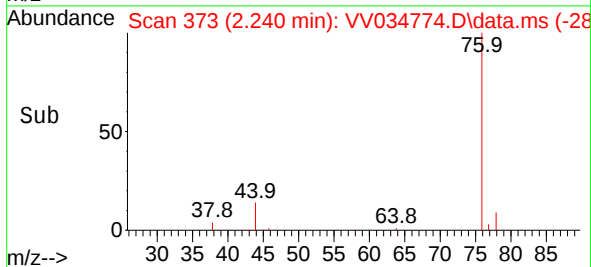
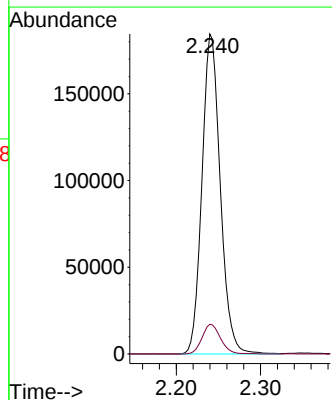
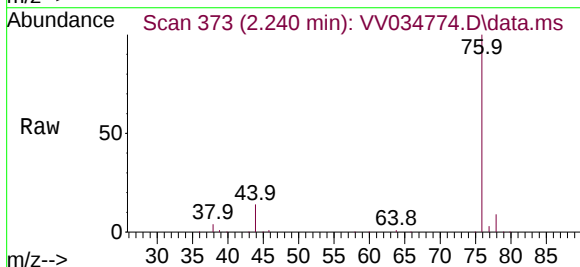
Acq: 20 Mar 2024 19:43

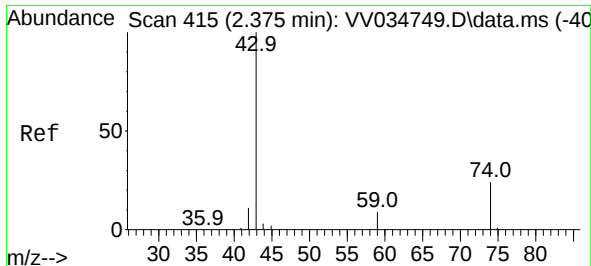
Tgt Ion: 76 Resp: 279462

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

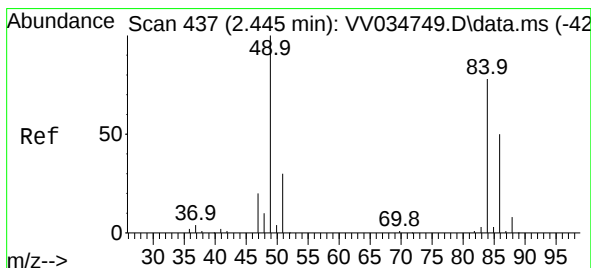
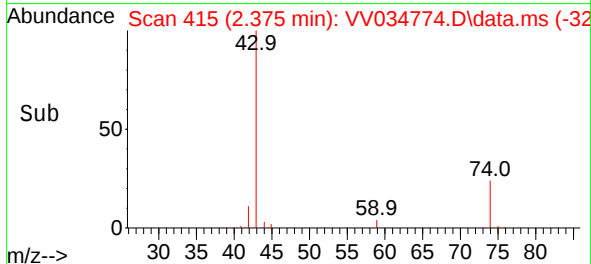
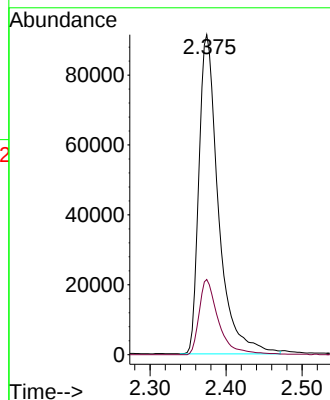
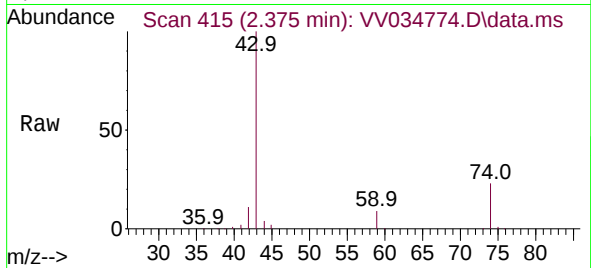




#15
Methyl Acetate
Concen: 52.923 ug/L
RT: 2.375 min Scan# 415
Delta R.T. 0.000 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

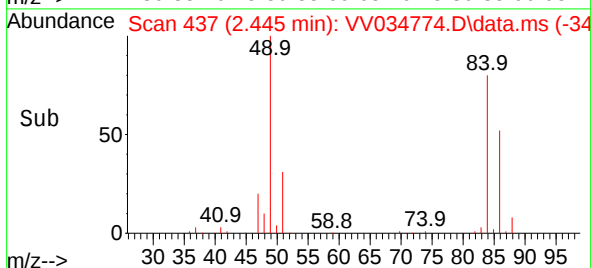
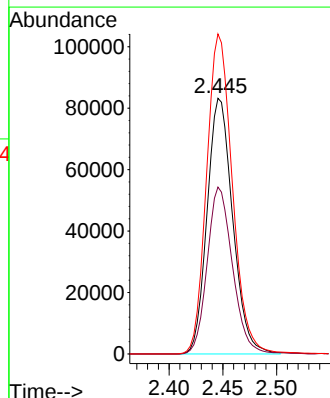
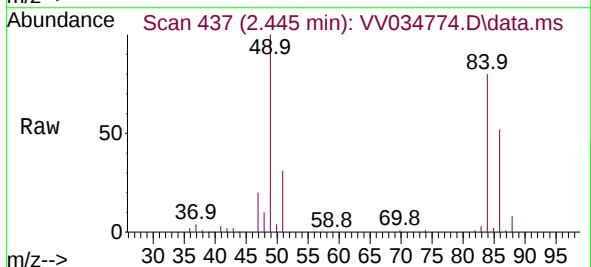
Instrument :
MSVOA_V
ClientSampleId :

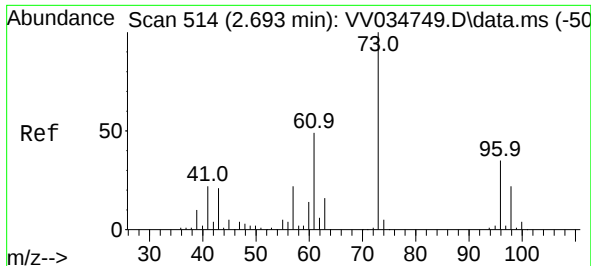
Tgt Ion: 43 Resp: 163012
Ion Ratio Lower Upper
43 100
74 23.4 17.8 26.8



#16
Methylene chloride
Concen: 50.238 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

Tgt Ion: 84 Resp: 137851
Ion Ratio Lower Upper
84 100
86 65.3 45.6 84.6
49 125.2 92.3 171.3





#17

trans-1,2-Dichloroethene

Concen: 47.616 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

ClientSampleId :

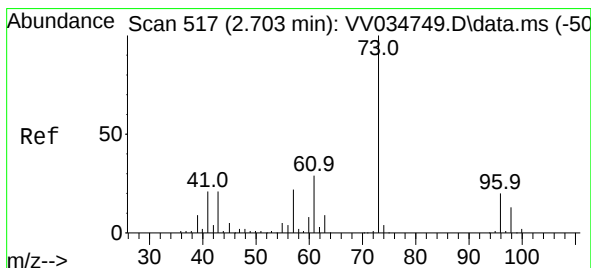
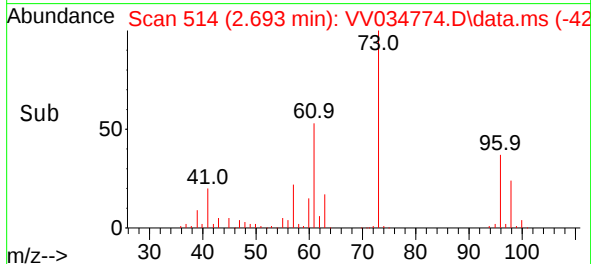
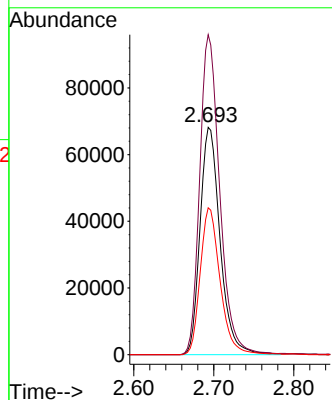
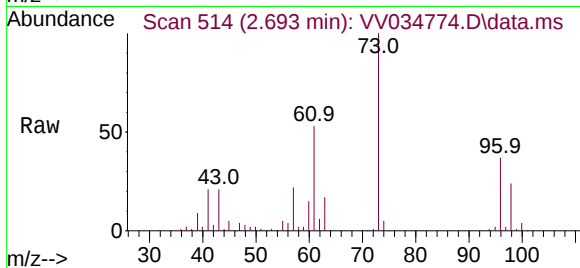
Tgt Ion: 96 Resp: 119220

Ion Ratio Lower Upper

96 100

61 140.7 98.8 183.4

98 64.6 46.1 85.5



#18

Methyl tert-butyl Ether

Concen: 52.810 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

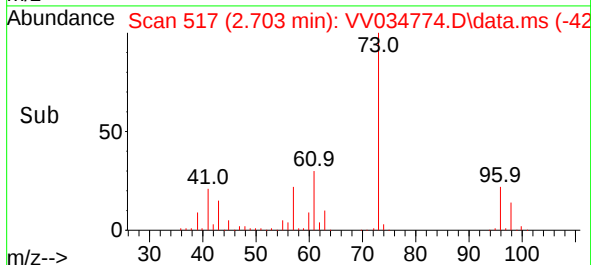
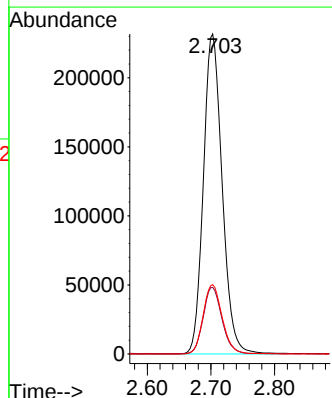
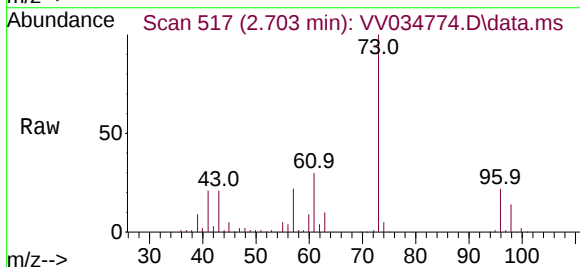
Tgt Ion: 73 Resp: 474832

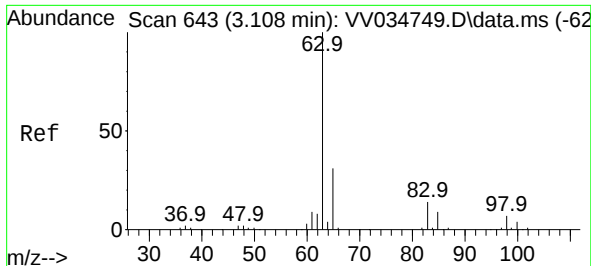
Ion Ratio Lower Upper

73 100

43 20.6 17.1 25.7

57 21.9 17.6 26.4

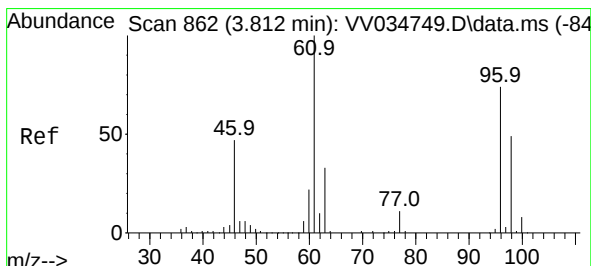
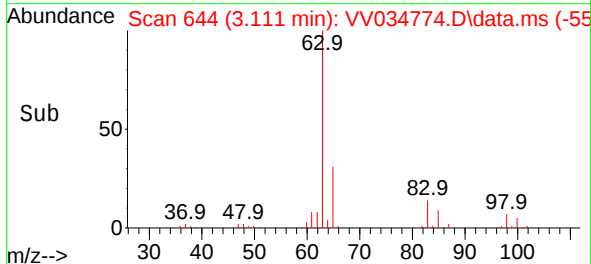
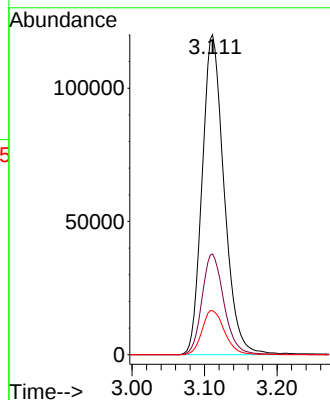
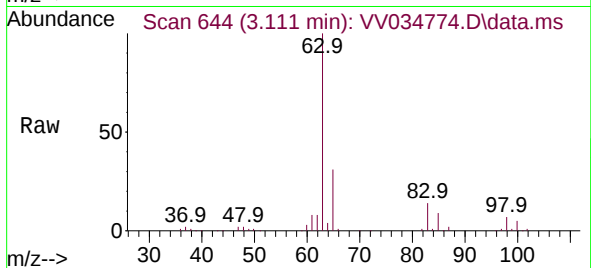




#19
1,1-Dichloroethane
Concen: 51.565 ug/L
RT: 3.111 min Scan# 643
Delta R.T. 0.003 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

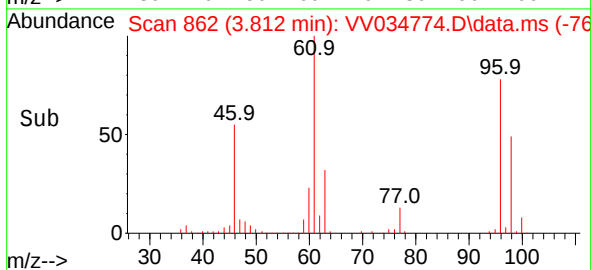
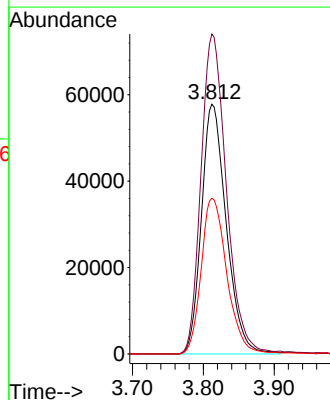
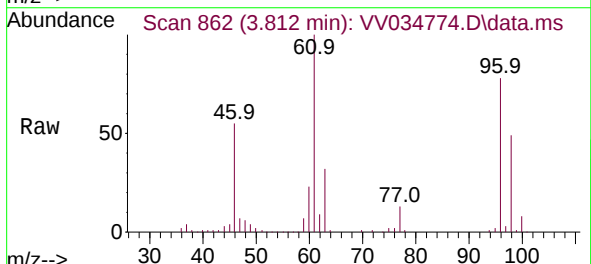
Instrument :
MSVOA_V
ClientSampleId :

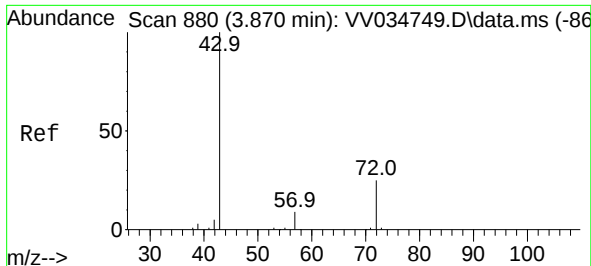
Tgt Ion: 63 Resp: 252913
Ion Ratio Lower Upper
63 100
65 31.5 22.1 41.1
83 13.7 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 51.904 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

Tgt Ion: 96 Resp: 141001
Ion Ratio Lower Upper
96 100
61 128.1 96.0 178.4
98 62.3 46.0 85.4

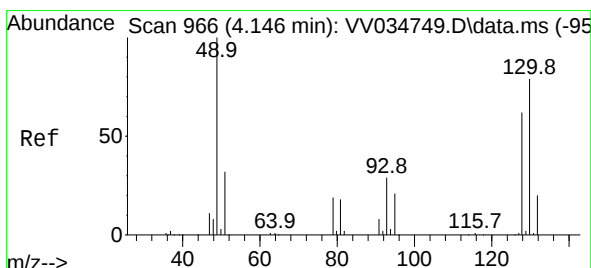
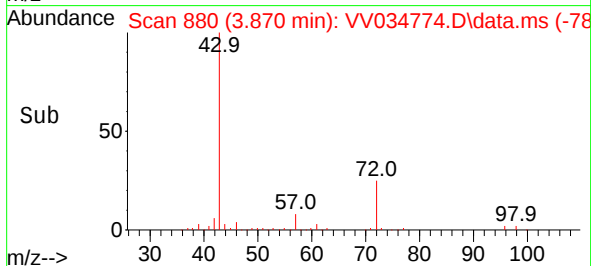
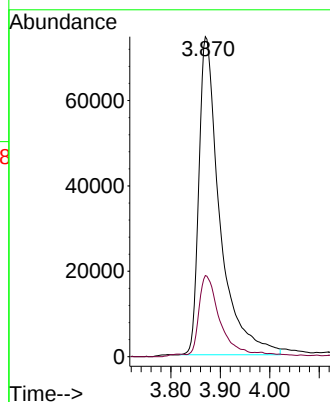
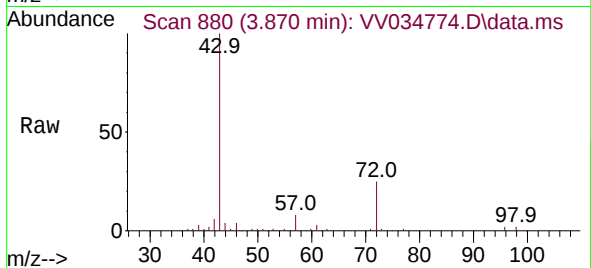




#22
2-Butanone
Concen: 92.220 ug/L
RT: 3.870 min Scan# 880
Delta R.T. 0.000 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

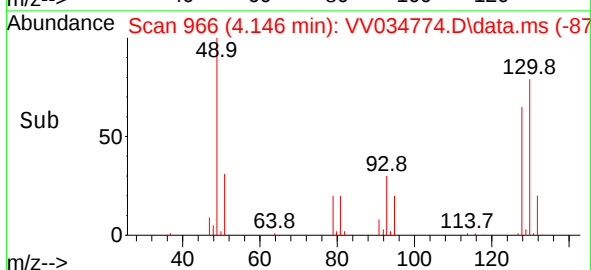
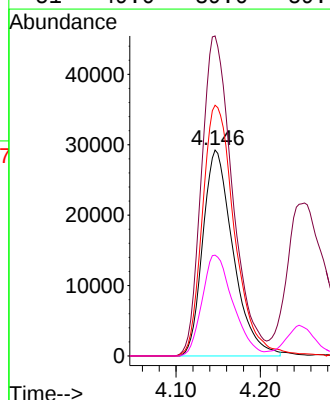
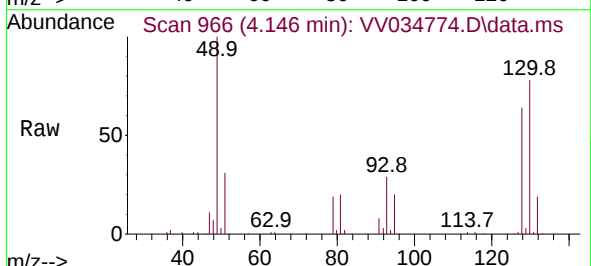
Instrument :
MSVOA_V
ClientSampleId :

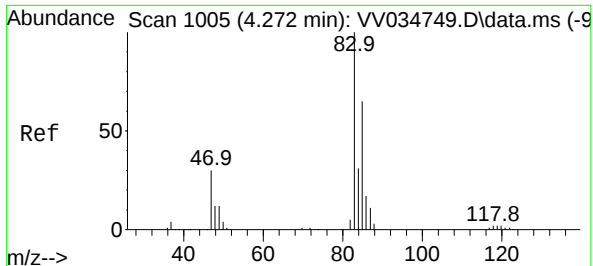
Tgt Ion: 43 Resp: 219252
Ion Ratio Lower Upper
43 100
72 24.0 11.5 34.4



#23
Bromochloromethane
Concen: 52.035 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

Tgt Ion:128 Resp: 73096
Ion Ratio Lower Upper
128 100
49 155.4 109.4 203.2
130 121.8 87.7 162.9
51 49.0 39.6 59.4





#25

Chloroform

Concen: 51.352 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

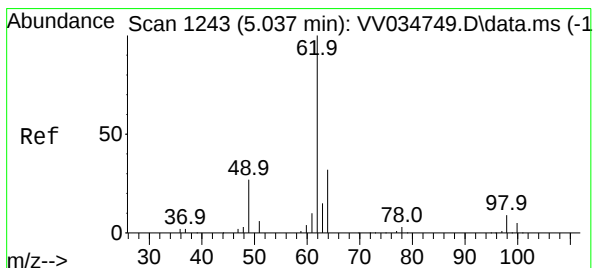
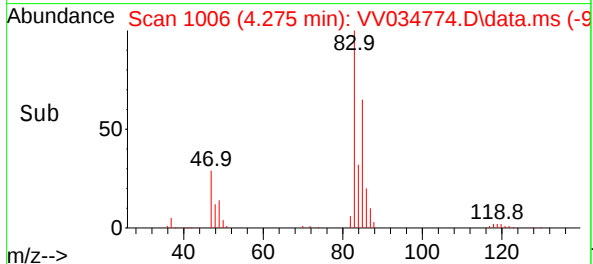
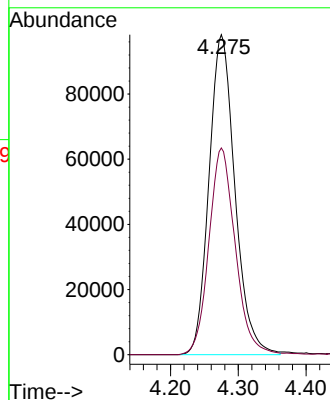
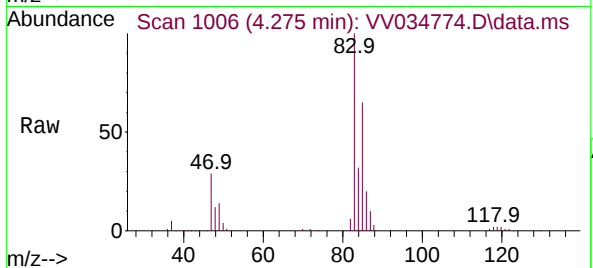
ClientSampleId :

Tgt Ion: 83 Resp: 261058

Ion Ratio Lower Upper

83 100

85 64.6 45.5 84.5



#27

1,2-Dichloroethane

Concen: 52.658 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV034774.D

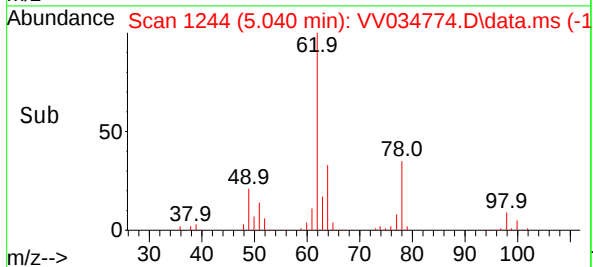
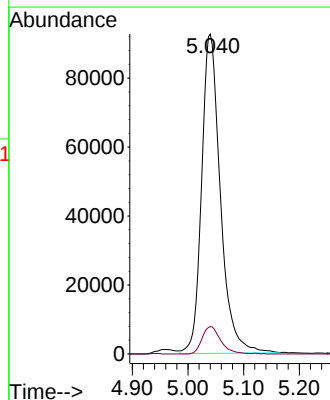
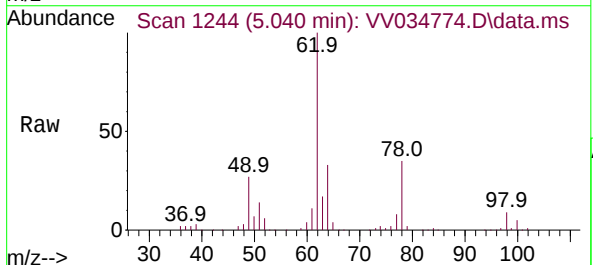
Acq: 20 Mar 2024 19:43

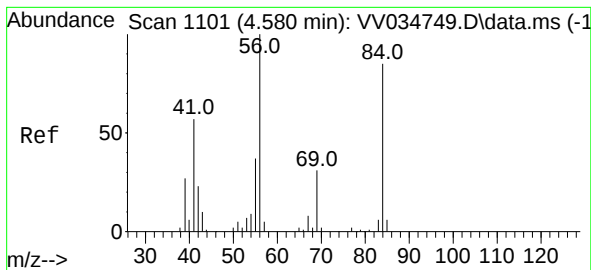
Tgt Ion: 62 Resp: 217493

Ion Ratio Lower Upper

62 100

98 8.5 6.6 10.0





#29

Cyclohexane

Concen: 43.550 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

ClientSampleId :

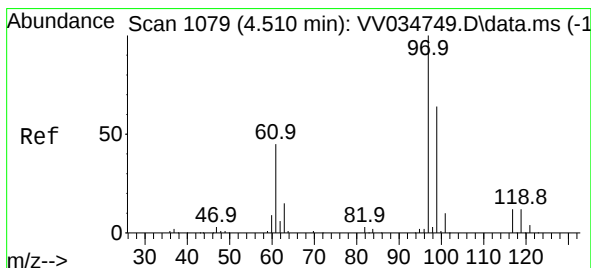
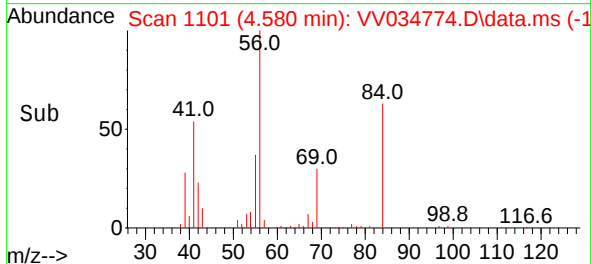
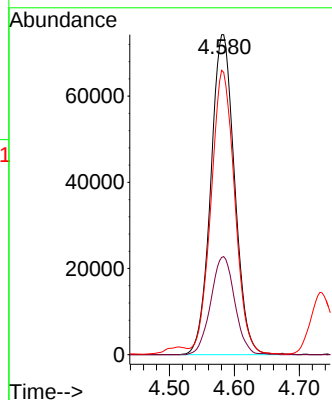
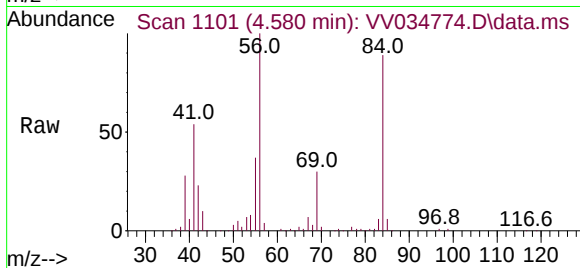
Tgt Ion: 56 Resp: 188726

Ion Ratio Lower Upper

56 100

69 30.8 24.2 36.4

84 88.7 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 49.801 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

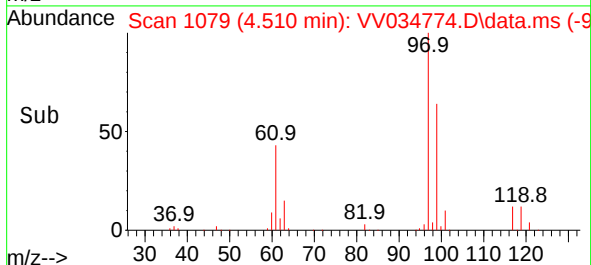
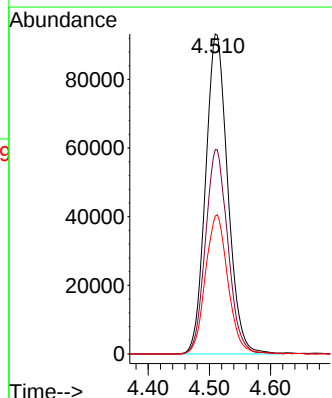
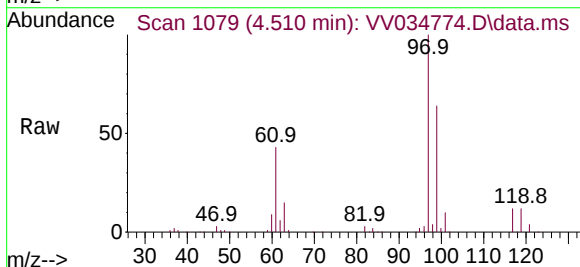
Tgt Ion: 97 Resp: 235283

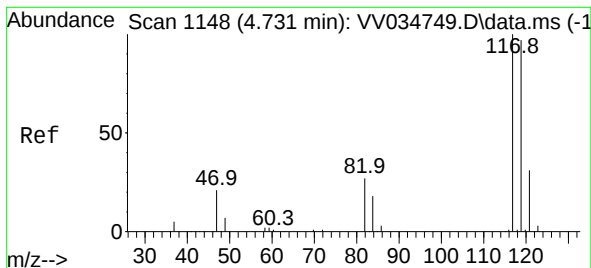
Ion Ratio Lower Upper

97 100

99 64.5 51.3 76.9

61 44.2 36.0 54.0





#31

Carbon tetrachloride

Concen: 48.372 ug/L

RT: 4.735 min Scan# 1148

Delta R.T. 0.003 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

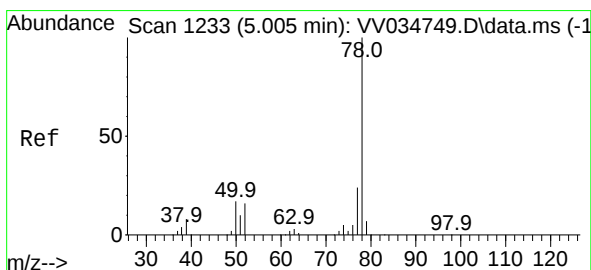
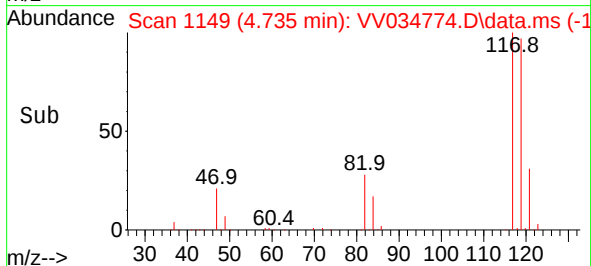
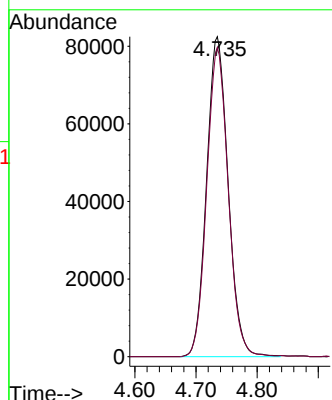
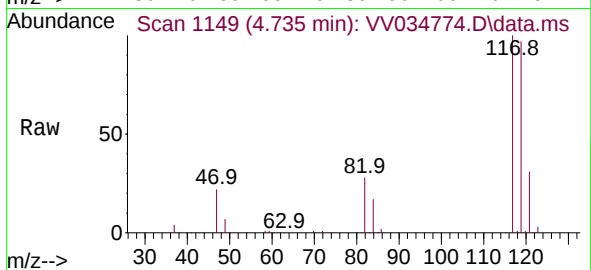
ClientSampleId :

Tgt Ion:117 Resp: 202334

Ion Ratio Lower Upper

117 100

119 96.0 77.5 116.3



#33

Benzene

Concen: 50.474 ug/L

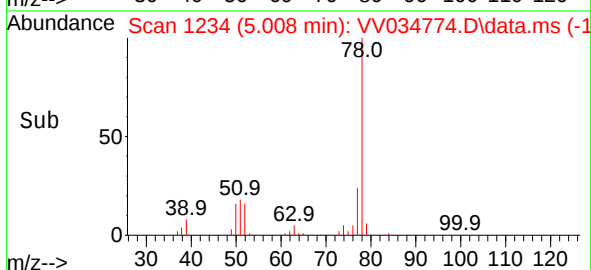
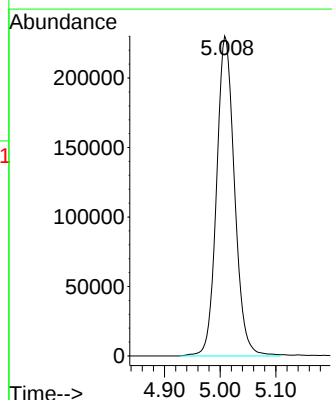
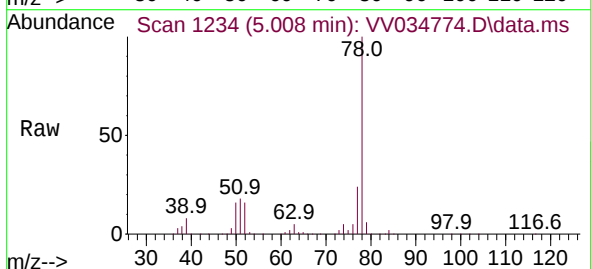
RT: 5.008 min Scan# 1234

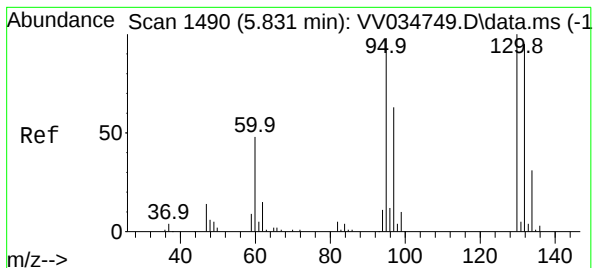
Delta R.T. 0.003 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Tgt Ion: 78 Resp: 516174





#34

Trichloroethene

Concen: 47.246 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 137343

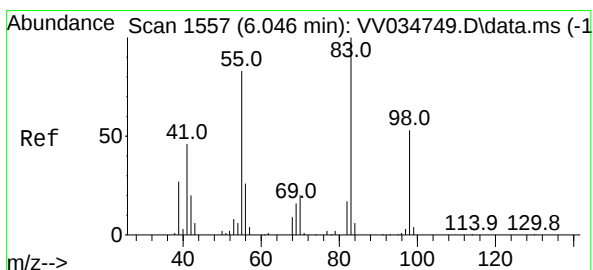
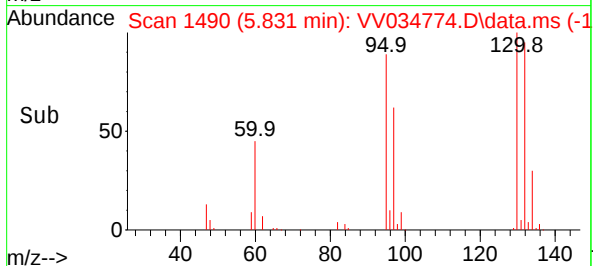
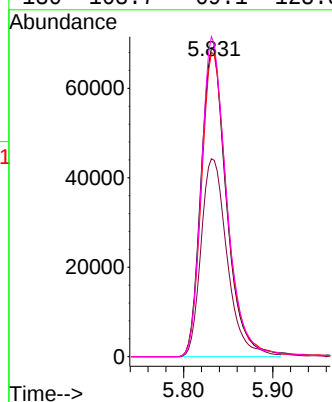
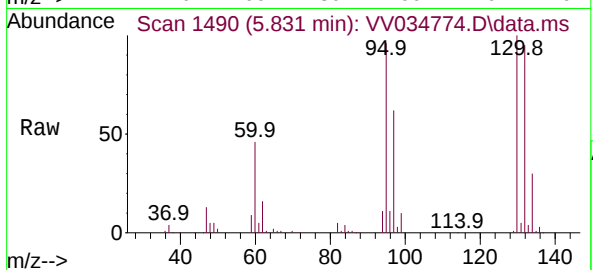
Ion Ratio Lower Upper

95 100

97 64.1 44.7 83.1

132 98.7 65.3 121.3

130 103.7 69.1 128.3



#35

Methylcyclohexane

Concen: 44.055 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

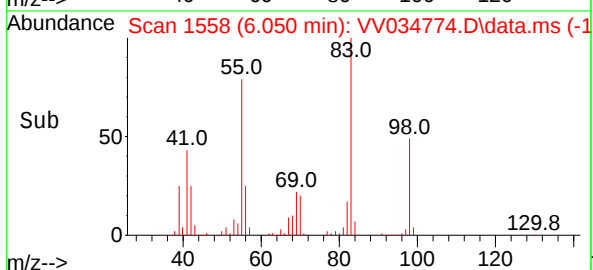
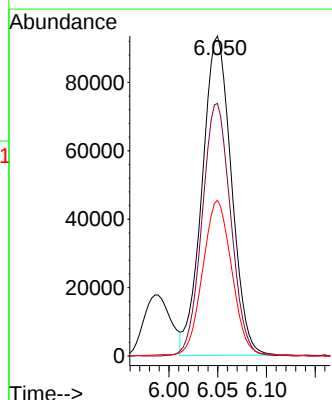
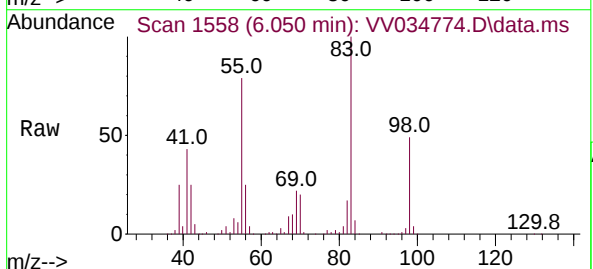
Tgt Ion: 83 Resp: 194693

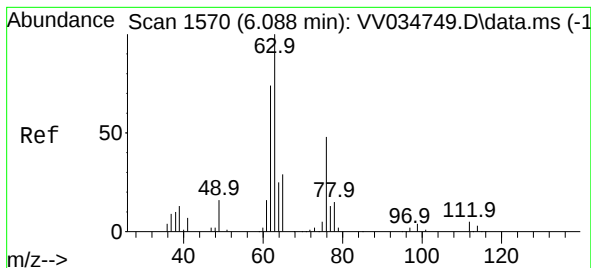
Ion Ratio Lower Upper

83 100

55 77.4 62.6 94.0

98 48.7 39.5 59.3





#37

1,2-Dichloropropane

Concen: 51.778 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

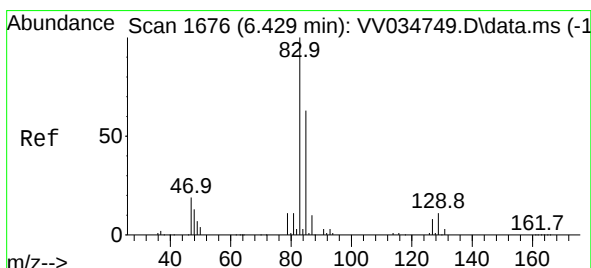
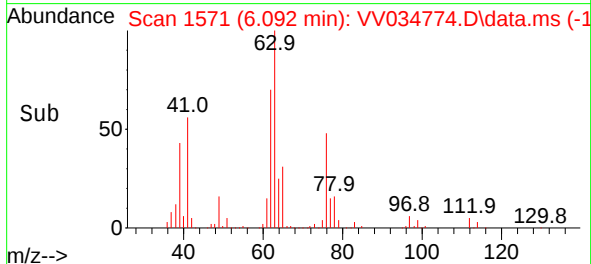
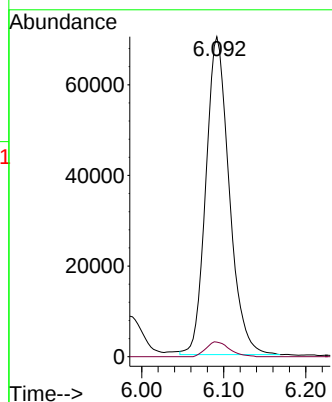
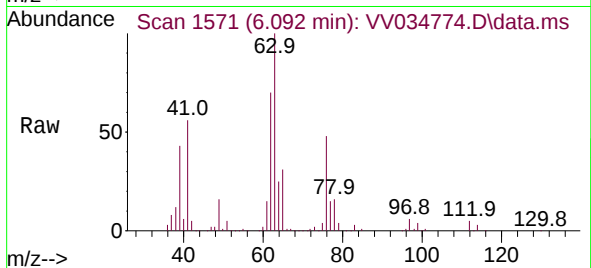
ClientSampleId :

Tgt Ion: 63 Resp: 138631

Ion Ratio Lower Upper

63 100

112 4.7 3.5 5.3



#38

Bromodichloromethane

Concen: 51.373 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

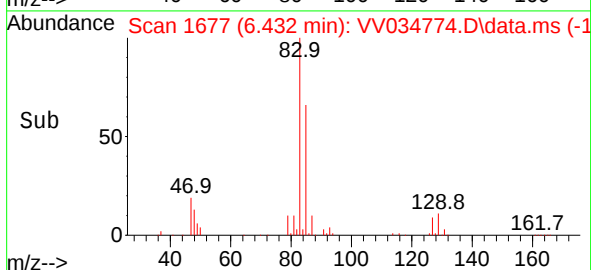
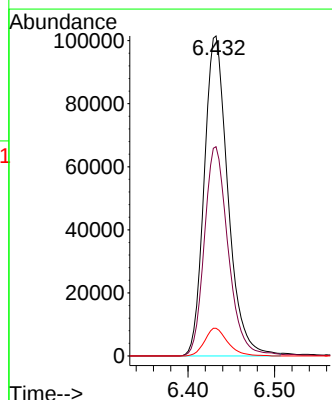
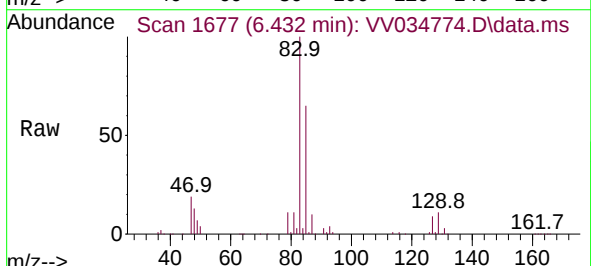
Tgt Ion: 83 Resp: 193474

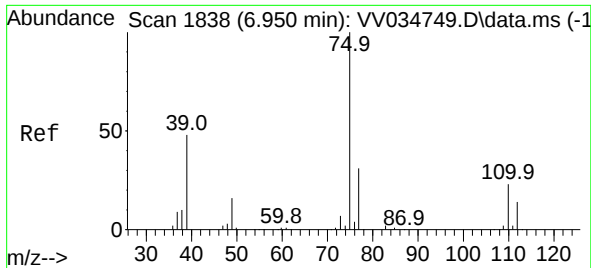
Ion Ratio Lower Upper

83 100

85 65.4 44.6 82.8

127 8.7 6.9 10.3

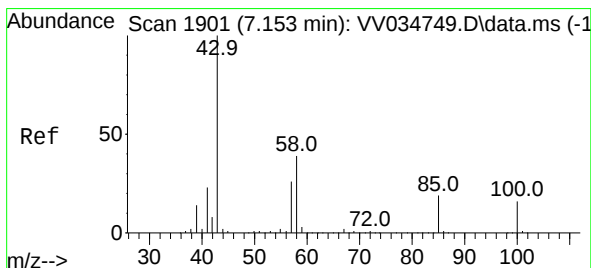
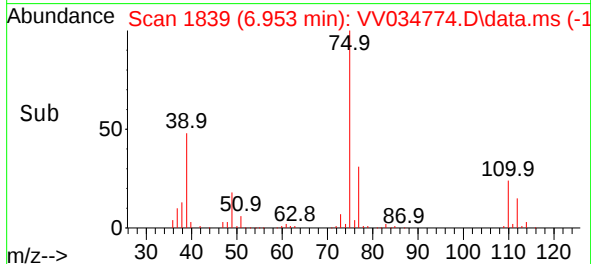
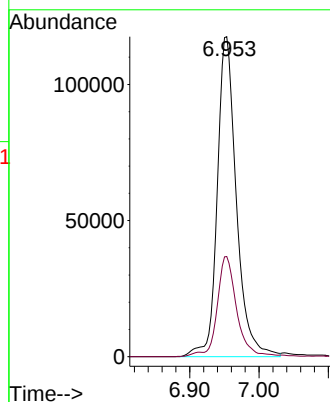
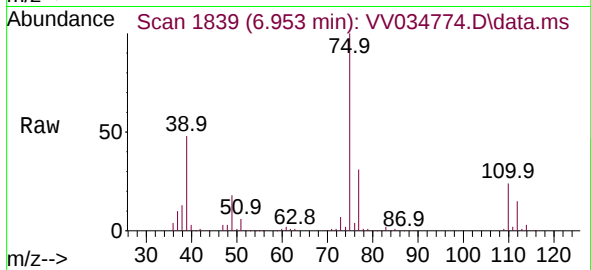




#39
 cis-1,3-Dichloropropene
 Concen: 52.122 ug/L
 RT: 6.953 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VV034774.D
 Acq: 20 Mar 2024 19:43

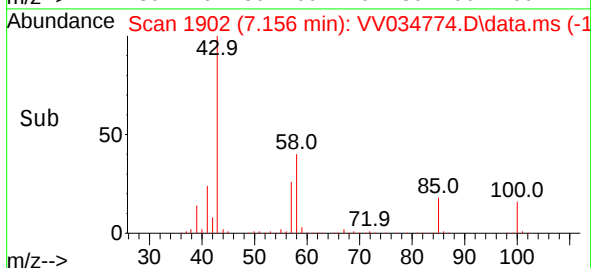
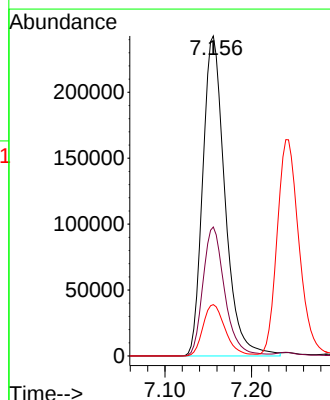
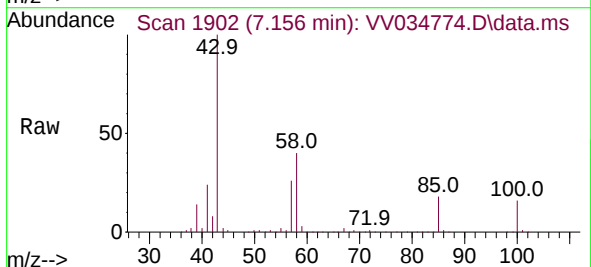
Instrument :
 MSVOA_V
 ClientSampleId :

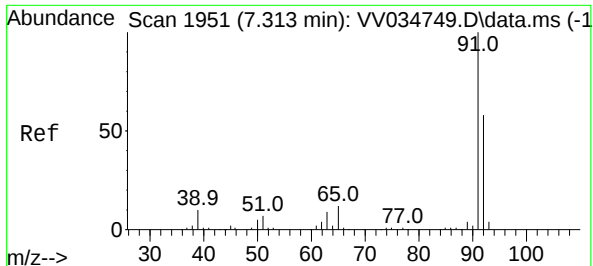
Tgt Ion: 75 Resp: 226102
 Ion Ratio Lower Upper
 75 100
 77 31.3 20.9 38.9



#40
 4-Methyl-2-pentanone
 Concen: 109.326 ug/L
 RT: 7.156 min Scan# 1902
 Delta R.T. 0.003 min
 Lab File: VV034774.D
 Acq: 20 Mar 2024 19:43

Tgt Ion: 43 Resp: 431619
 Ion Ratio Lower Upper
 43 100
 58 39.5 30.6 46.0
 100 16.2 12.5 18.7





#42

Toluene

Concen: 51.064 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

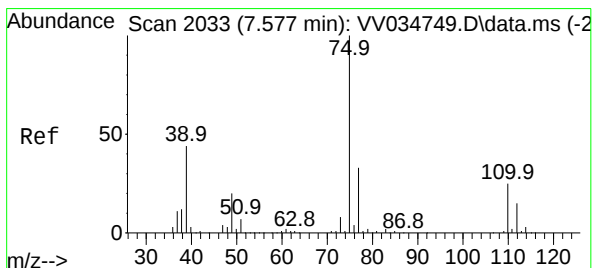
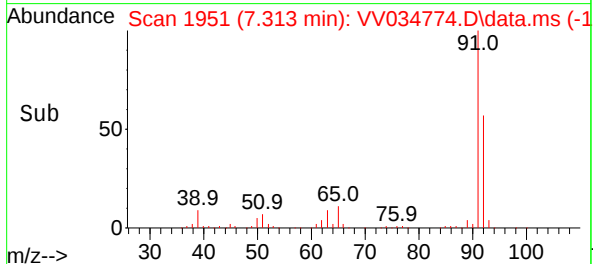
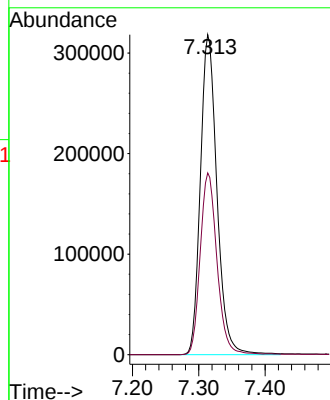
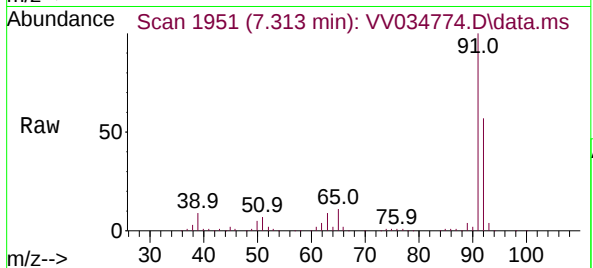
ClientSampleId :

Tgt Ion: 91 Resp: 552677

Ion Ratio Lower Upper

91 100

92 56.8 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 52.365 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV034774.D

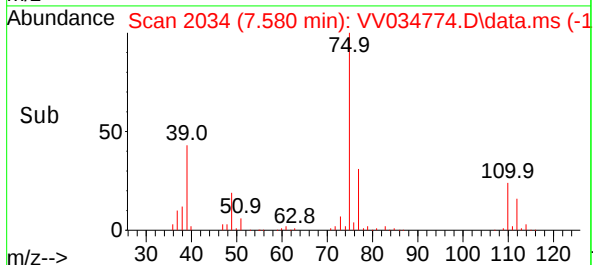
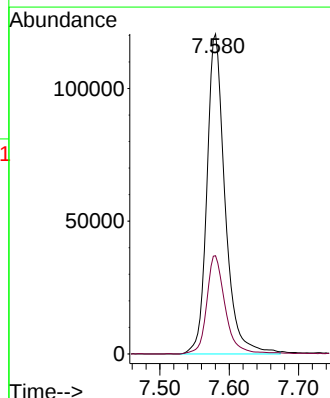
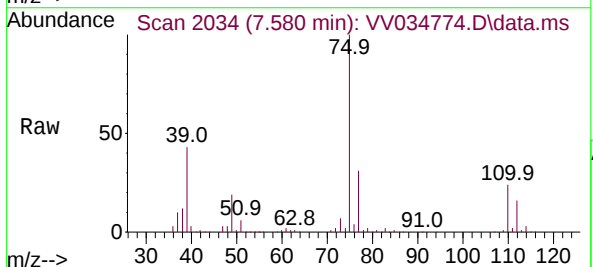
Acq: 20 Mar 2024 19:43

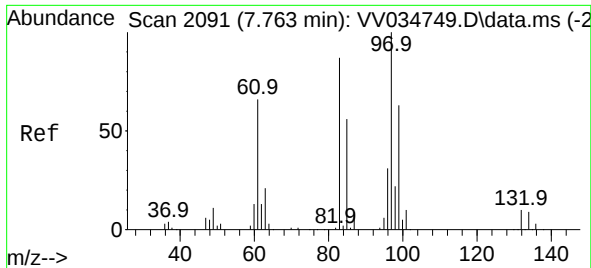
Tgt Ion: 75 Resp: 218472

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.4

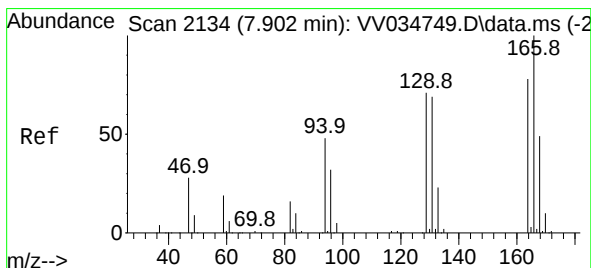
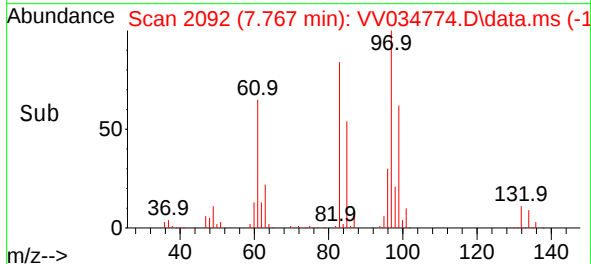
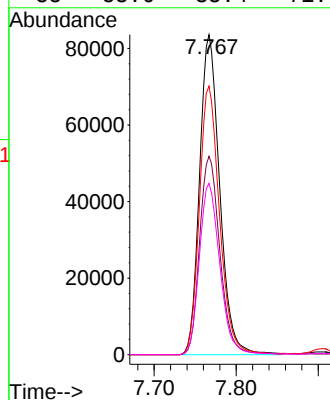
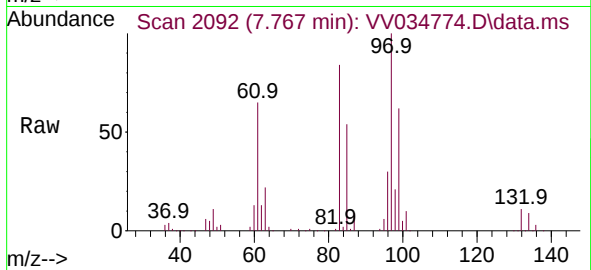




#45
1,1,2-Trichloroethane
Concen: 55.199 ug/L
RT: 7.767 min Scan# 2091
Delta R.T. 0.003 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

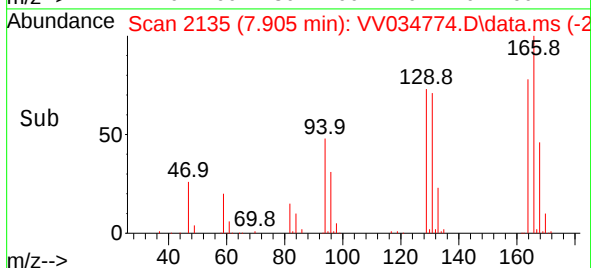
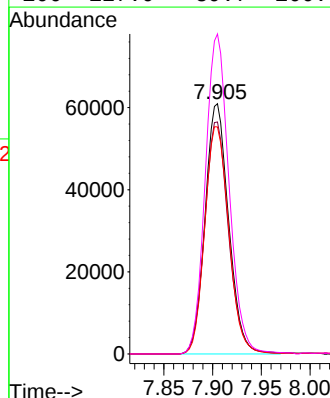
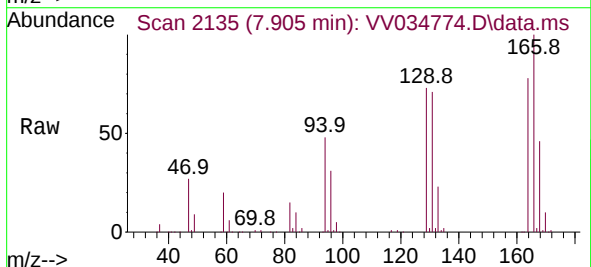
Instrument :
MSVOA_V
ClientSampleId :

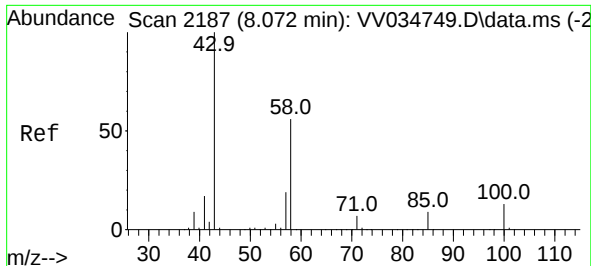
Tgt Ion:	97	Resp:	142598
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.8	81.4
83	84.0	59.4	110.2
85	53.6	38.4	71.4



#46
Tetrachloroethene
Concen: 47.474 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

Tgt Ion:	164	Resp:	102634
Ion	Ratio	Lower	Upper
164	100		
129	92.7	65.7	121.9
131	90.7	62.2	115.6
166	127.9	89.7	166.7





#48

2-Hexanone

Concen: 108.491 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 341309

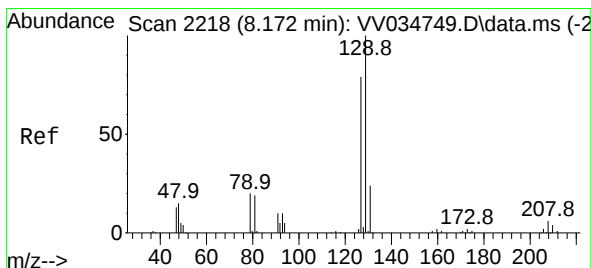
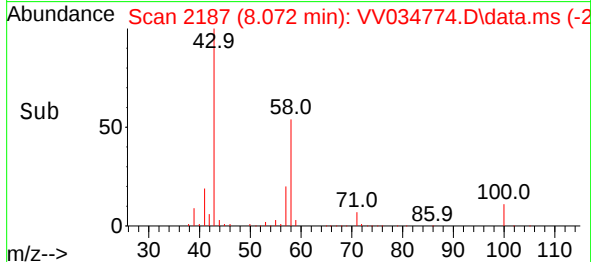
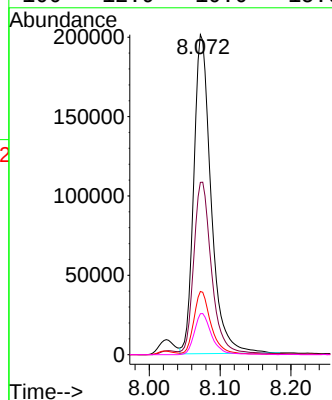
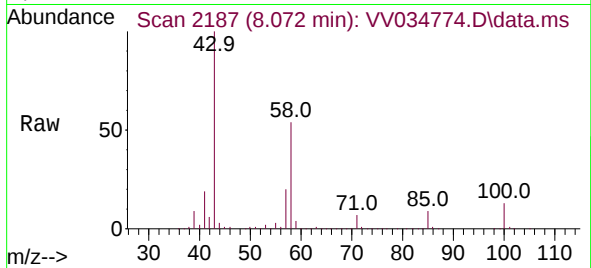
Ion Ratio Lower Upper

43 100

58 55.3 42.0 63.0

57 19.4 15.2 22.8

100 12.9 10.0 15.0



#49

Dibromochloromethane

Concen: 53.922 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.003 min

Lab File: VV034774.D

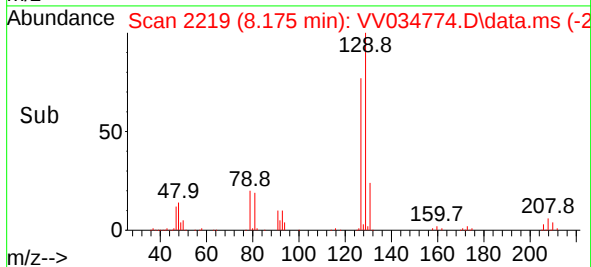
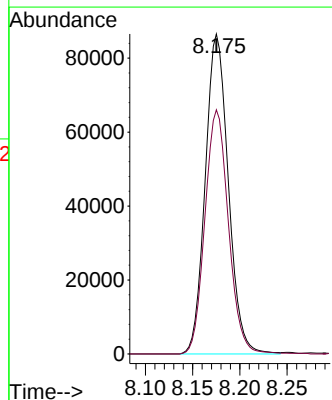
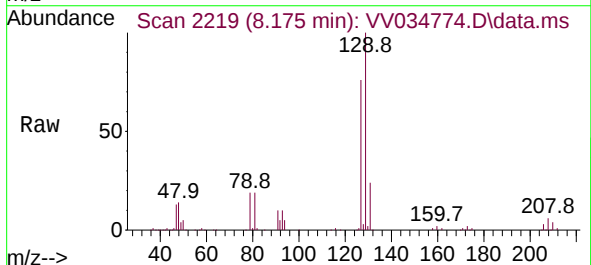
Acq: 20 Mar 2024 19:43

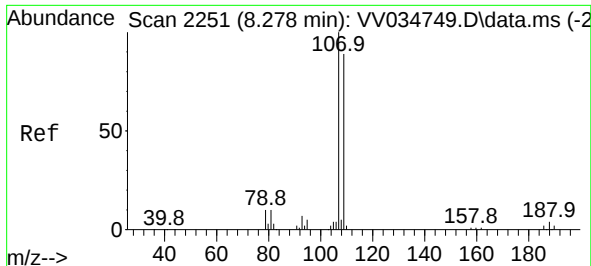
Tgt Ion:129 Resp: 146999

Ion Ratio Lower Upper

129 100

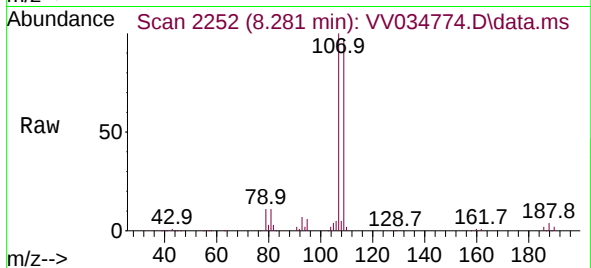
127 76.3 53.3 98.9



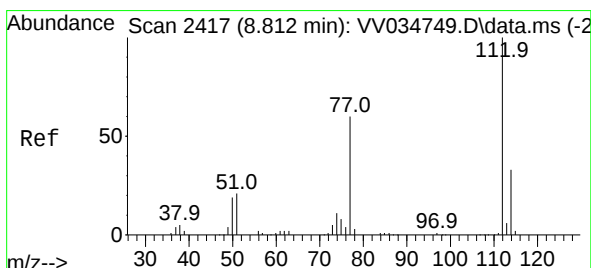
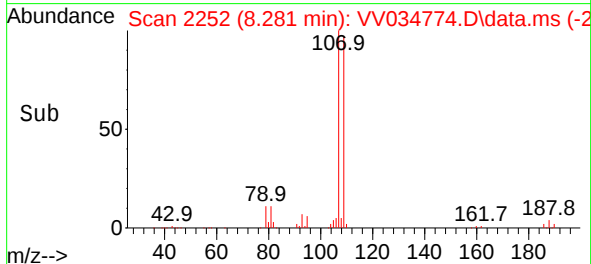
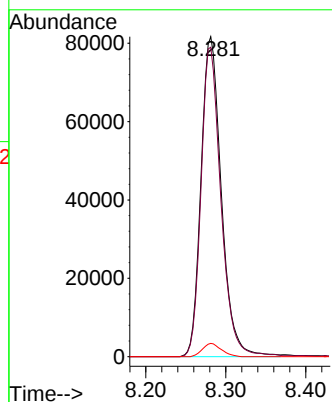


#50
1,2-Dibromoethane
Concen: 52.812 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

Instrument :
MSVOA_V
ClientSampleId :

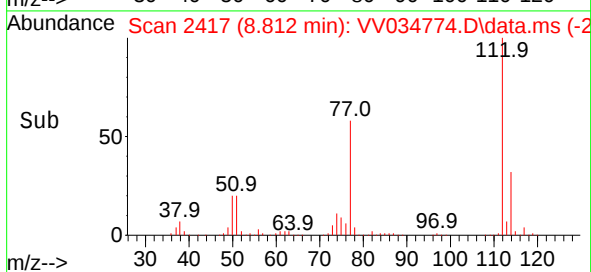
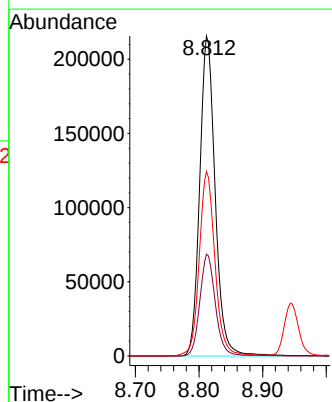
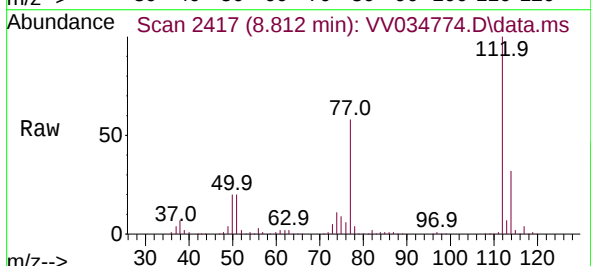


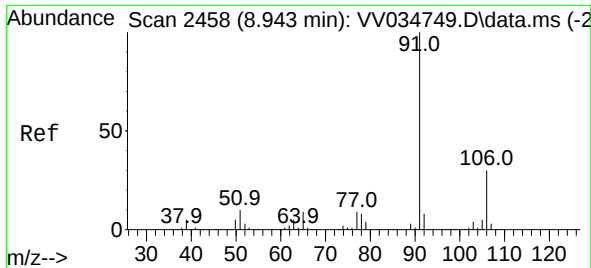
Tgt Ion:107 Resp: 144775
Ion Ratio Lower Upper
107 100
109 96.7 66.5 123.5
188 4.2 3.4 5.2



#51
Chlorobenzene
Concen: 52.000 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

Tgt Ion:112 Resp: 363847
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.5
77 57.7 47.7 71.5

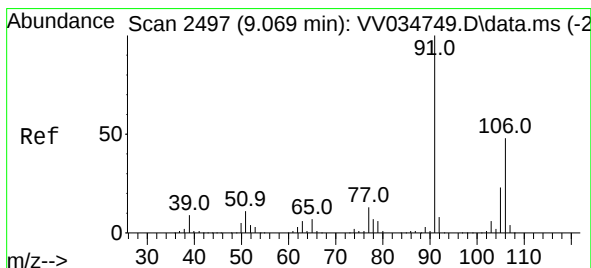
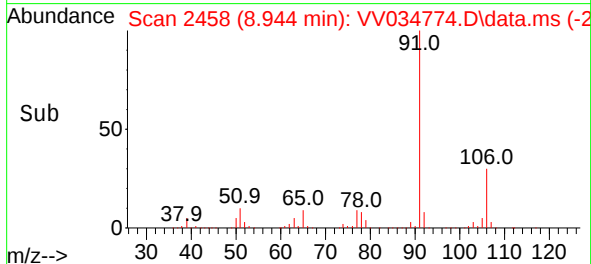
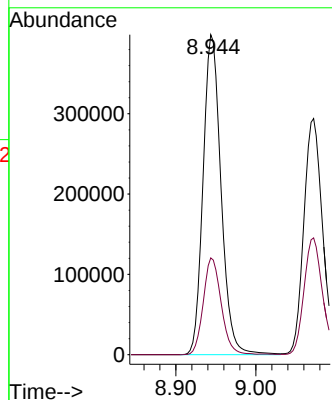
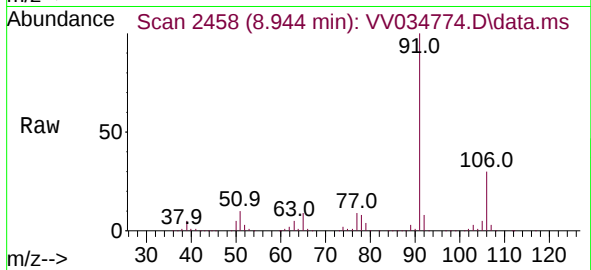




#52
Ethylbenzene
Concen: 51.488 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

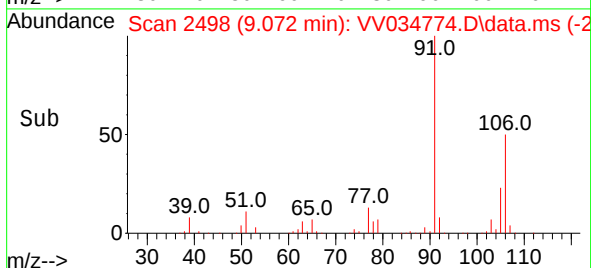
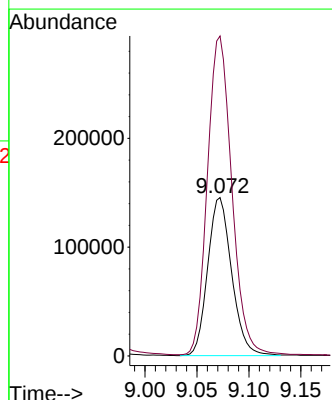
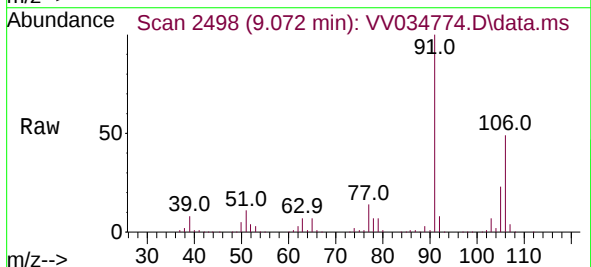
Instrument :
MSVOA_V
ClientSampleId :

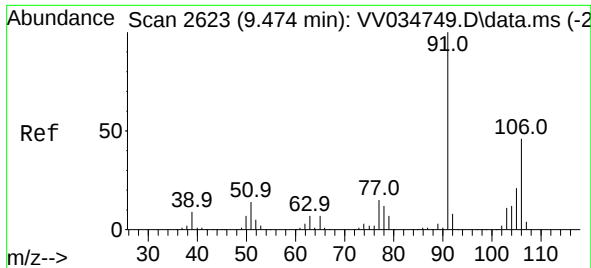
Tgt Ion: 91 Resp: 624412
Ion Ratio Lower Upper
91 100
106 30.2 21.3 39.5



#53
m,p-Xylene
Concen: 50.651 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

Tgt Ion:106 Resp: 233097
Ion Ratio Lower Upper
106 100
91 202.1 145.3 269.9





#54

o-Xylene

Concen: 52.238 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

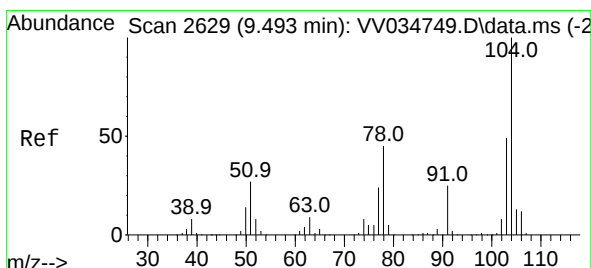
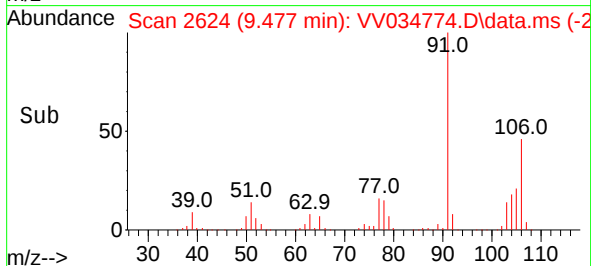
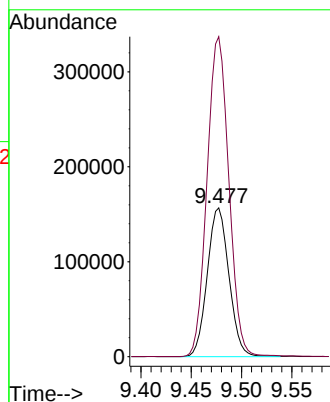
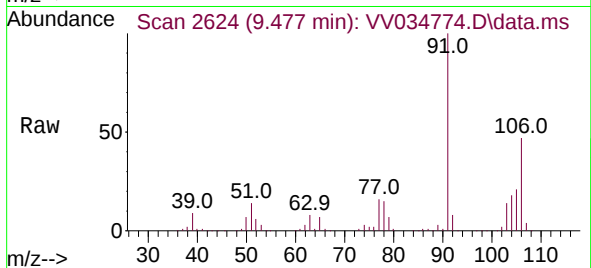
ClientSampleId :

Tgt Ion:106 Resp: 235408

Ion Ratio Lower Upper

106 100

91 214.9 152.2 282.7



#55

Styrene

Concen: 52.911 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.000 min

Lab File: VV034774.D

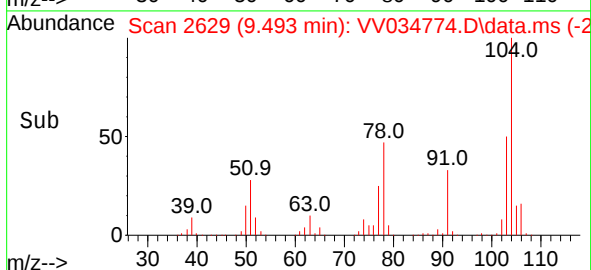
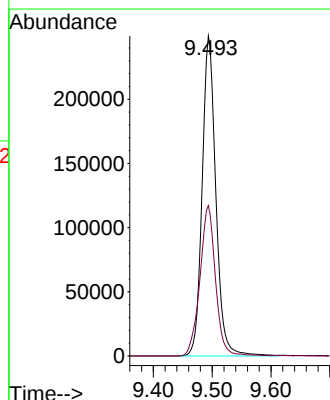
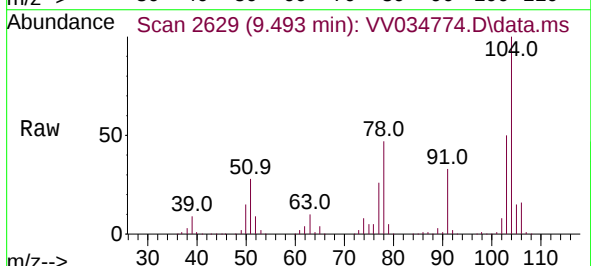
Acq: 20 Mar 2024 19:43

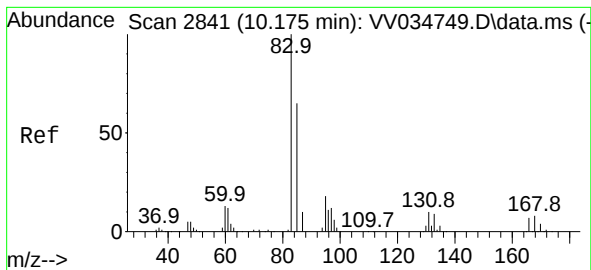
Tgt Ion:104 Resp: 403713

Ion Ratio Lower Upper

104 100

78 47.0 33.0 61.4

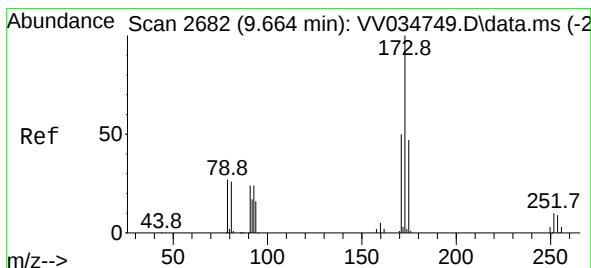
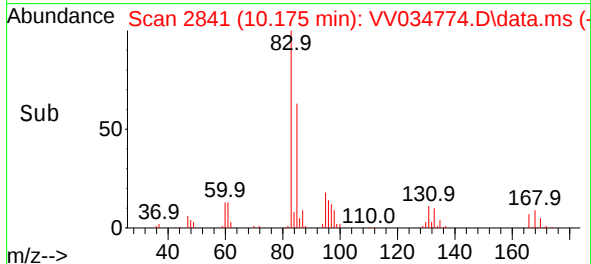
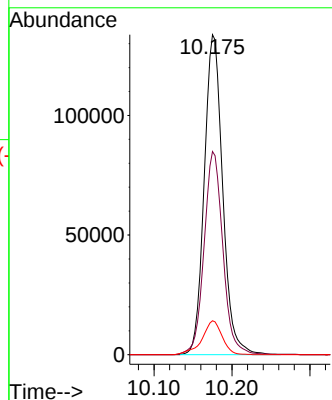
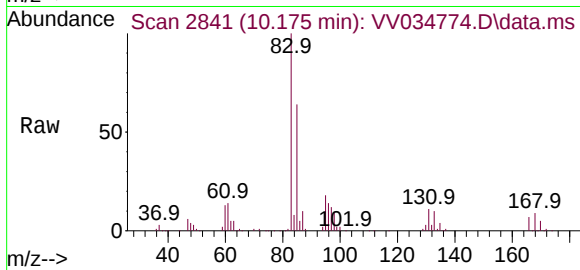




#57
1,1,2,2-Tetrachloroethane
Concen: 56.727 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

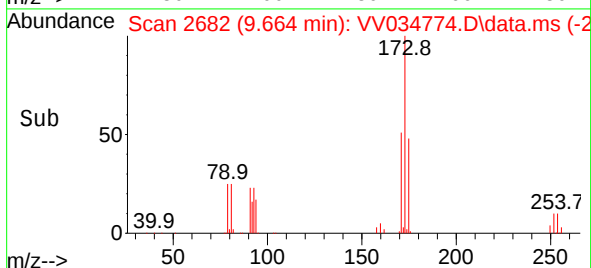
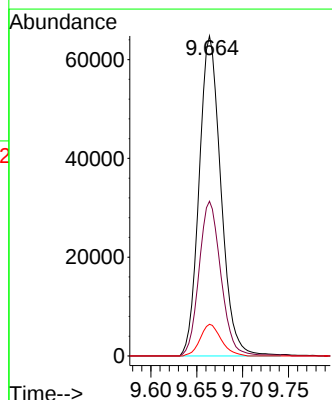
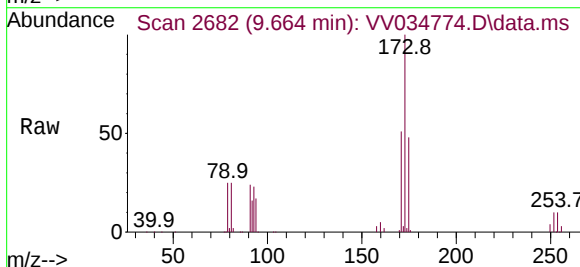
Instrument :
MSVOA_V
ClientSampleId :

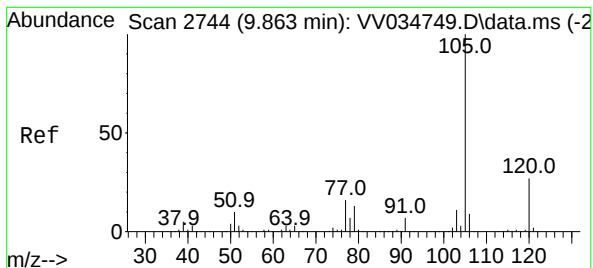
Tgt Ion: 83 Resp: 220104
Ion Ratio Lower Upper
83 100
85 63.5 45.4 84.2
131 10.6 8.3 12.5



#59
Bromoform
Concen: 56.047 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV034774.D
Acq: 20 Mar 2024 19:43

Tgt Ion: 173 Resp: 107097
Ion Ratio Lower Upper
173 100
175 48.2 39.1 58.7
254 9.5 7.8 11.8





#60

Isopropylbenzene

Concen: 52.655 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

ClientSampleId :

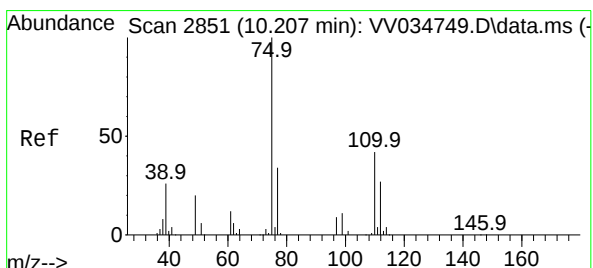
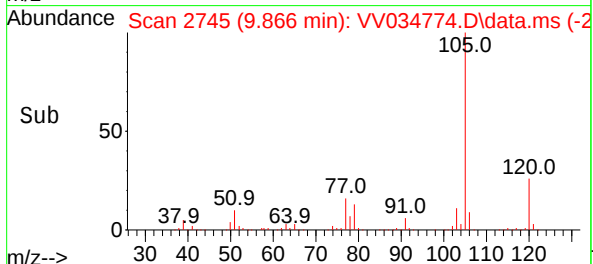
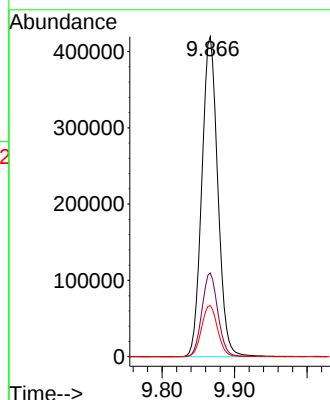
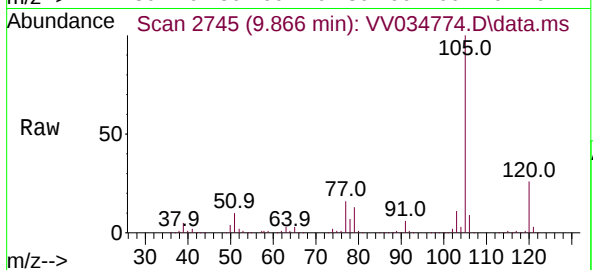
Tgt Ion:105 Resp: 641833

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

77 16.2 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 55.046 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

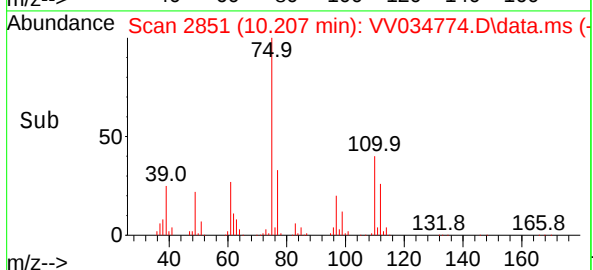
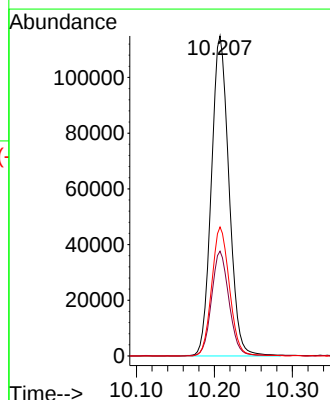
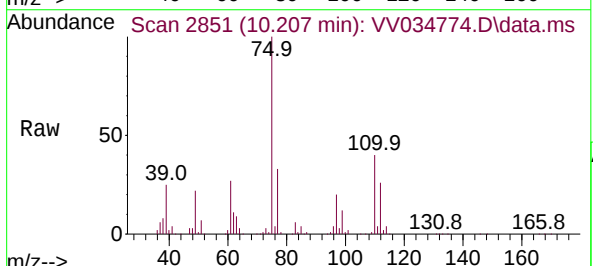
Tgt Ion: 75 Resp: 181098

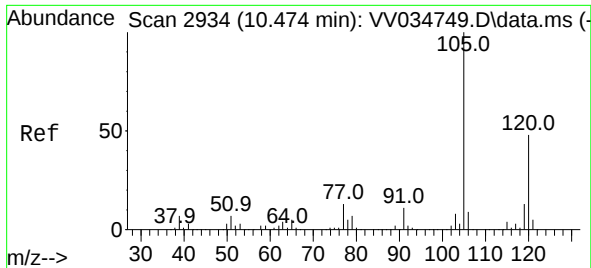
Ion Ratio Lower Upper

75 100

77 31.7 25.9 38.9

110 40.4 33.1 49.7





#62

1,3,5-Trimethylbenzene

Concen: 52.548 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

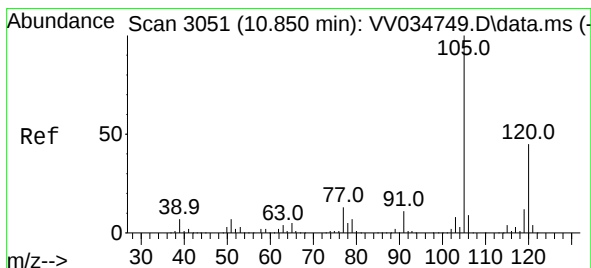
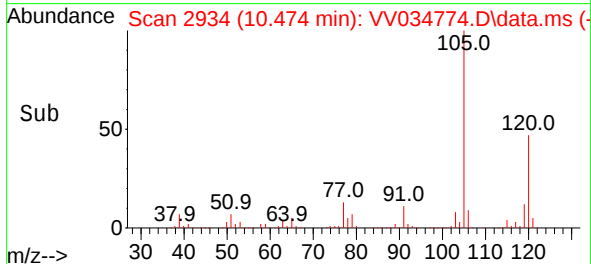
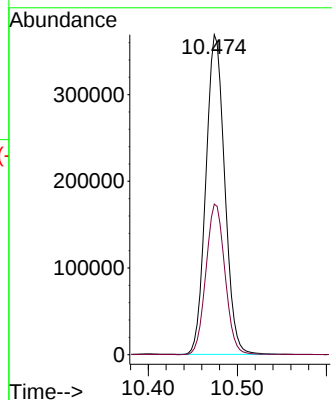
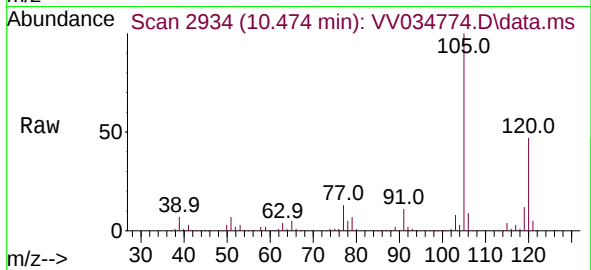
ClientSampleId :

Tgt Ion:105 Resp: 540315

Ion Ratio Lower Upper

105 100

120 47.7 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 53.297 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV034774.D

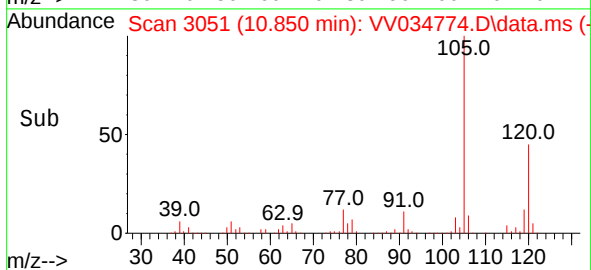
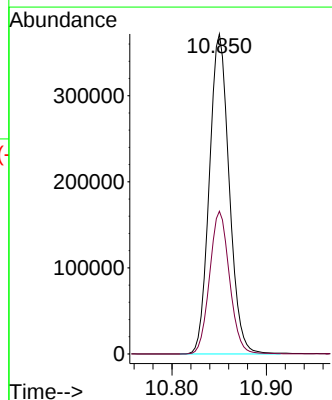
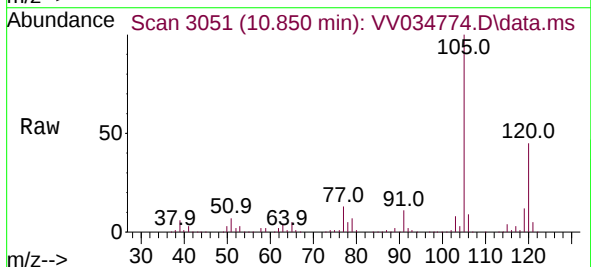
Acq: 20 Mar 2024 19:43

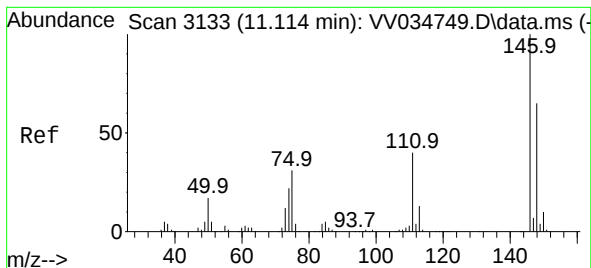
Tgt Ion:105 Resp: 542009

Ion Ratio Lower Upper

105 100

120 44.7 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 53.066 ug/L

RT: 11.117 min Scan# 3133

Delta R.T. 0.003 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

ClientSampleId :

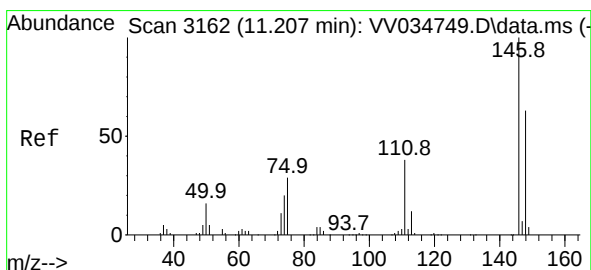
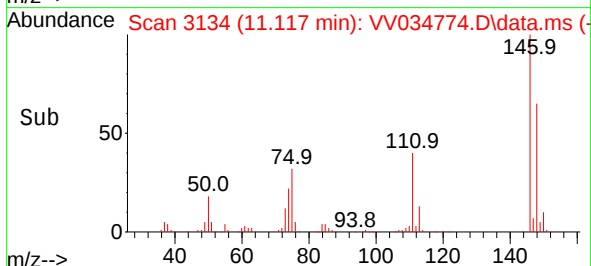
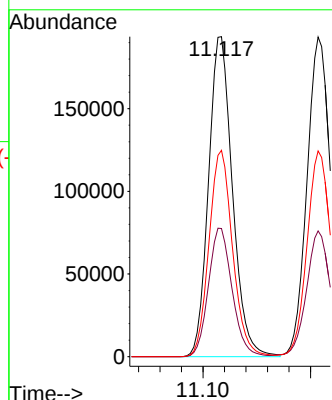
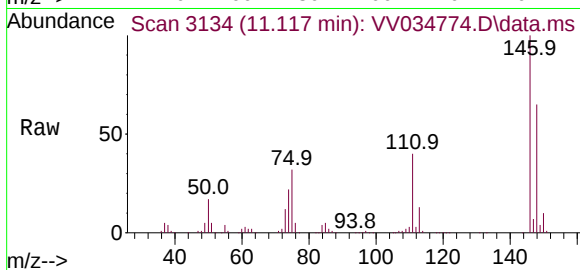
Tgt Ion:146 Resp: 299074

Ion Ratio Lower Upper

146 100

111 40.0 27.9 51.7

148 64.5 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 52.914 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

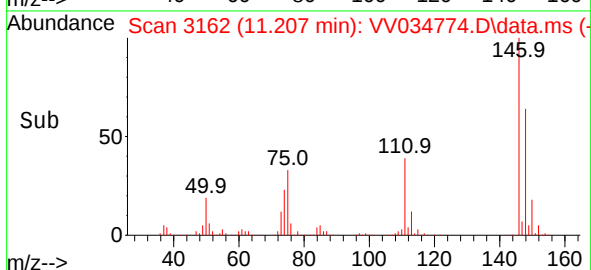
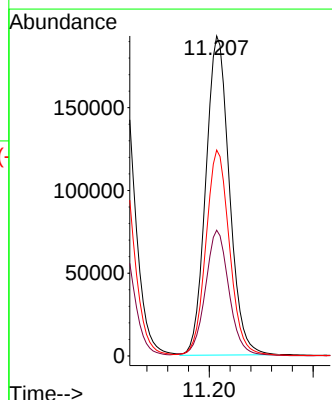
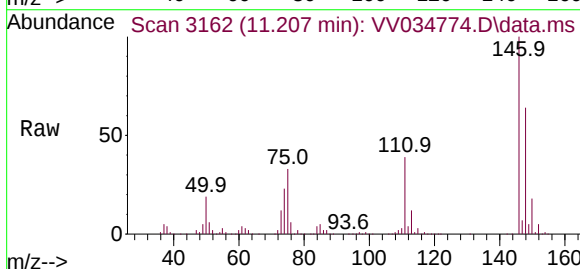
Tgt Ion:146 Resp: 302840

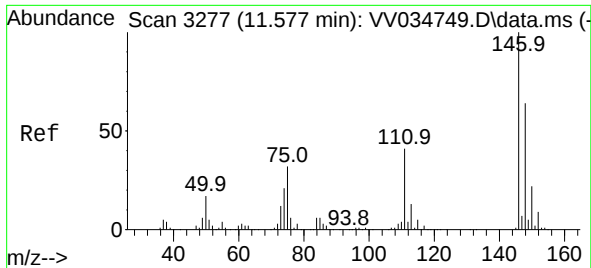
Ion Ratio Lower Upper

146 100

111 39.3 26.5 49.1

148 64.4 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 53.750 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

ClientSampleId :

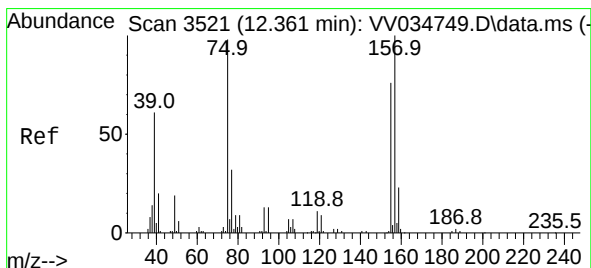
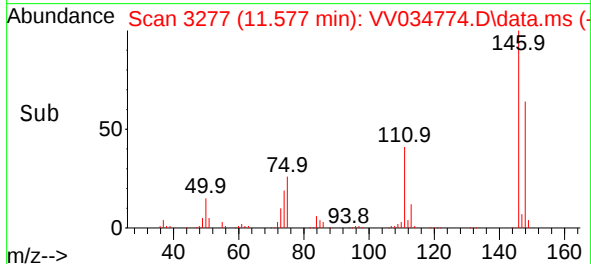
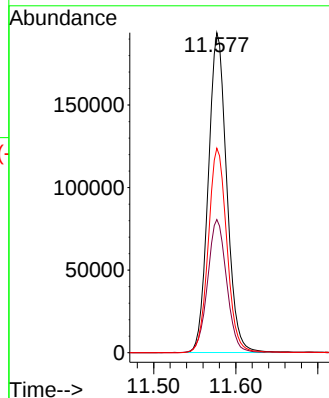
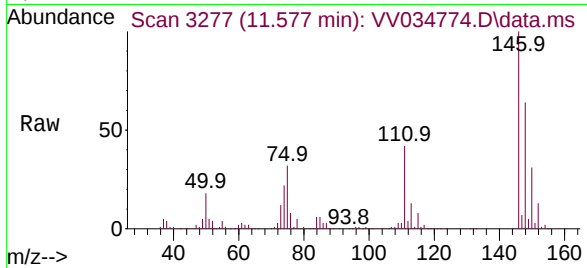
Tgt Ion:146 Resp: 303550

Ion Ratio Lower Upper

146 100

111 41.6 33.8 50.8

148 63.9 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 56.138 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

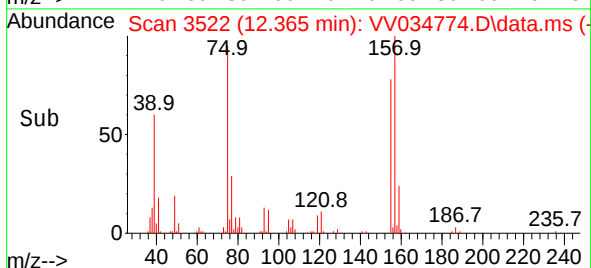
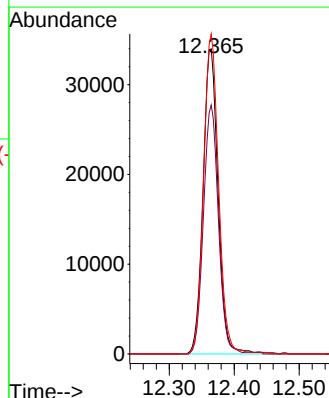
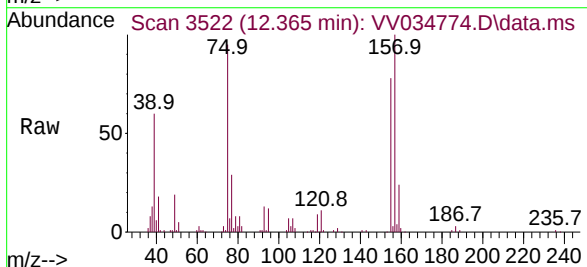
Tgt Ion: 75 Resp: 55017

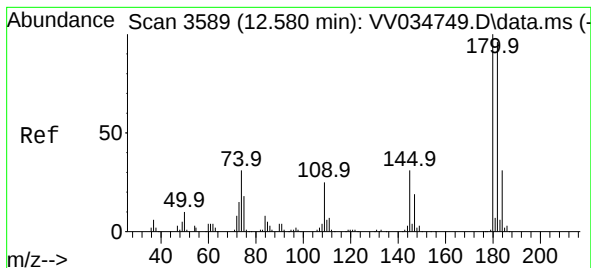
Ion Ratio Lower Upper

75 100

155 81.6 63.3 94.9

157 104.9 81.4 122.0





#69

1,3,5-Trichlorobenzene

Concen: 50.484 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

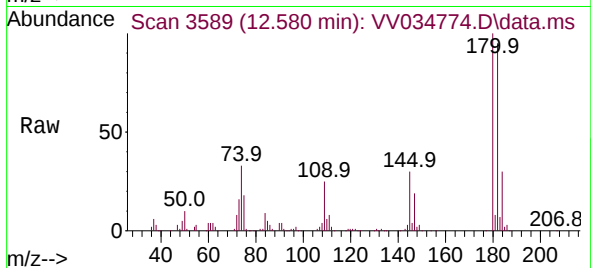
Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 213447

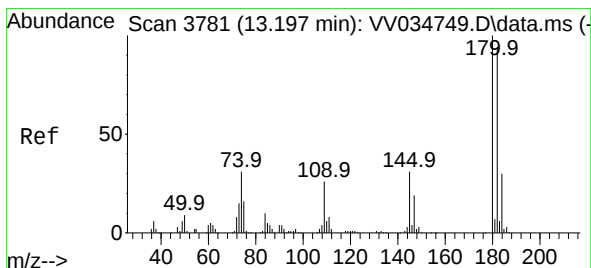
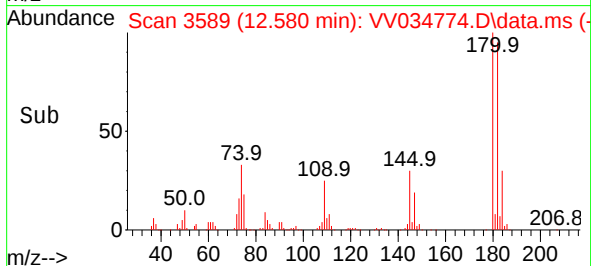
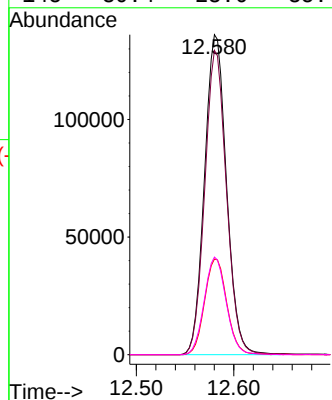
Ion Ratio Lower Upper

180 100

182 93.7 74.6 112.0

184 30.1 23.6 35.4

145 30.4 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 51.123 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

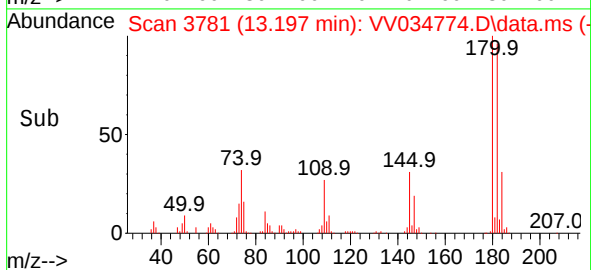
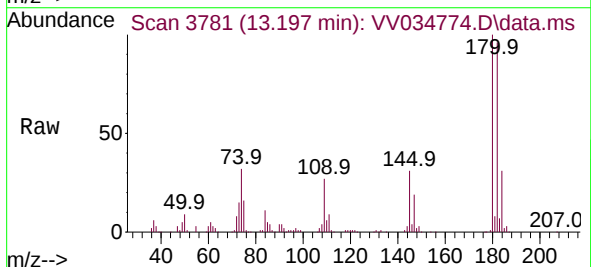
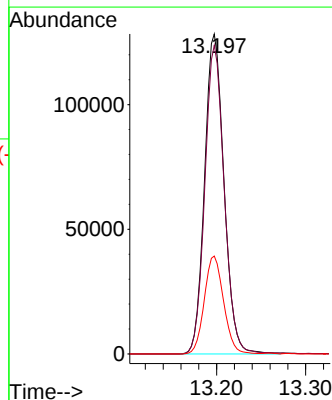
Tgt Ion:180 Resp: 194493

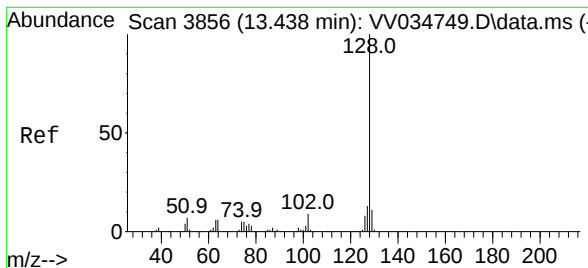
Ion Ratio Lower Upper

180 100

182 95.9 74.8 112.2

145 30.4 24.2 36.4





#71

Naphthalene

Concen: 53.044 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Instrument :

MSVOA_V

ClientSampleId :

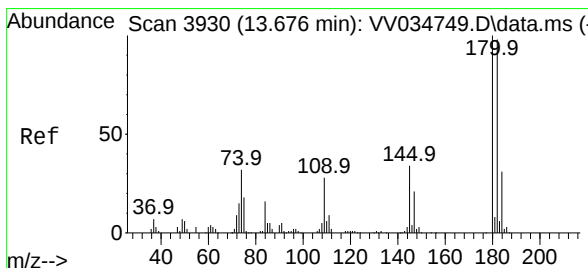
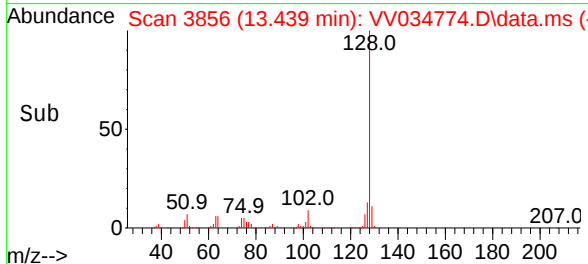
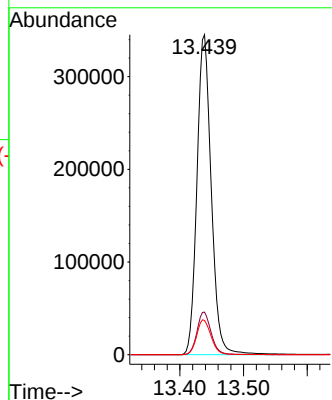
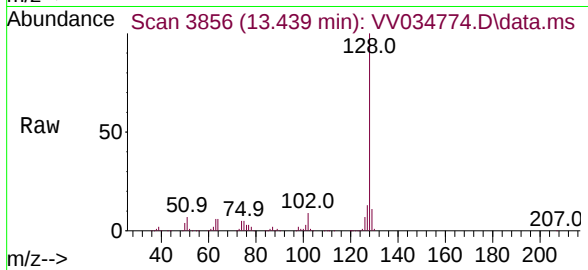
Tgt Ion:128 Resp: 539803

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 52.863 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

Lab File: VV034774.D

Acq: 20 Mar 2024 19:43

Tgt Ion:180 Resp: 196193

Ion Ratio Lower Upper

180 100

182 95.1 75.9 113.9

145 32.6 25.5 38.3

