

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080224\
 Data File : VV036764.D
 Acq On : 02 Aug 2024 16:15
 Operator : SY/MD
 Sample : VSTD010
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 02 23:22:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 02 23:21:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	463103	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	432060	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	206429	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	37958	11.013	ug/L	0.00
7) Chloroethane-d5	1.532	69	29303	10.755	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	15518	10.180	ug/L	0.00
21) 2-Butanone-d5	3.812	46	31867	20.157	ug/L	0.02
24) Chloroform-d	4.249	84	65392	10.252	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	42577	10.349	ug/L	0.00
32) Benzene-d6	4.957	84	131793	10.553	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	42202	10.502	ug/L	0.00
41) Toluene-d8	7.243	98	117642	10.381	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	20779	10.004	ug/L	0.00
47) 2-Hexanone-d5	8.037	63	22281	20.407	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.153	84	47447	10.488	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	42980	10.993	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	36820	10.925	ug/L	99
3) Chloromethane	1.221	50	38187	10.320	ug/L	99
5) Vinyl chloride	1.282	62	37897	9.843	ug/L	100
6) Bromomethane	1.487	94	24187	9.707	ug/L	100
8) Chloroethane	1.548	64	23548	9.713	ug/L	97
9) Trichlorofluoromethane	1.712	101	50060	9.922	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	28596	9.531	ug/L	97
12) 1,1-Dichloroethene	2.069	96	27126	9.454	ug/L	92
13) Acetone	2.118	43	31216	19.632	ug/L	99
14) Carbon disulfide	2.240	76	87962	9.726	ug/L	98
15) Methyl Acetate	2.375	43	31865	9.829	ug/L	99
16) Methylene chloride	2.446	84	31970	9.849	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	28840	9.663	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	100673	9.626	ug/L	98
19) 1,1-Dichloroethane	3.108	63	57834	9.601	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	34273	9.701	ug/L	97
22) 2-Butanone	3.896	43	36429	18.231	ug/L	96
23) Bromochloromethane	4.146	128	15612	9.151	ug/L	95
25) Chloroform	4.275	83	60754	9.704	ug/L	99
27) 1,2-Dichloroethane	5.044	62	46635	9.612	ug/L	98
29) Cyclohexane	4.574	56	51839	9.575	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	51701	9.650	ug/L	98
31) Carbon tetrachloride	4.728	117	42749	9.491	ug/L	98
33) Benzene	5.008	78	124398	9.765	ug/L	100
34) Trichloroethene	5.834	95	35595	9.638	ug/L	99
35) Methylcyclohexane	6.043	83	53429	9.544	ug/L	99
37) 1,2-Dichloropropane	6.098	63	31856	9.497	ug/L	100
38) Bromodichloromethane	6.436	83	44307	9.523	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	54792	9.398	ug/L	99
40) 4-Methyl-2-pentanone	7.166	43	80225	19.780	ug/L	99
42) Toluene	7.317	91	129242	9.587	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	49729	9.201	ug/L	98

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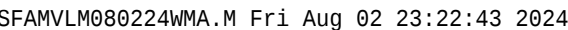
Instrument :
 MSVOA_V
 ClientSampleId :

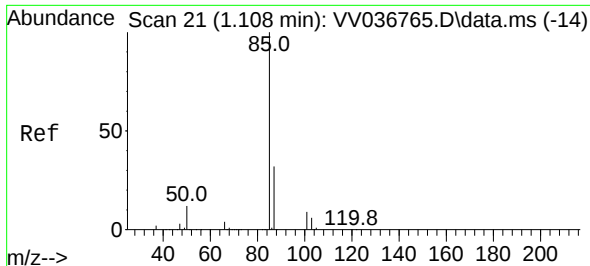
Quant Time: Aug 02 23:22:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 02 23:21:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	31823	9.887	ug/L	98
46) Tetrachloroethene	7.905	164	23322	9.715	ug/L	98
48) 2-Hexanone	8.085	43	54437	17.821	ug/L	97
49) Dibromochloromethane	8.175	129	31065	9.203	ug/L	98
50) 1,2-Dibromoethane	8.285	107	32398	9.521	ug/L	97
51) Chlorobenzene	8.815	112	82299	9.427	ug/L	99
52) Ethylbenzene	8.947	91	146454	9.421	ug/L	97
53) m,p-Xylene	9.072	106	56209	9.866	ug/L	99
54) o-Xylene	9.477	106	53488	9.434	ug/L	96
55) Styrene	9.497	104	88980	9.171	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	42299	9.779	ug/L	99
59) Bromoform	9.664	173	21466	9.599	ug/L	96
60) Isopropylbenzene	9.866	105	144776	9.871	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	35508	9.961	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	119693	9.742	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	120600	9.874	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	62328	9.780	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	65539	10.089	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	62168	9.996	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	9846	9.653	ug/L	94
69) 1,3,5-Trichlorobenzene	12.580	180	42956	9.651	ug/L	97
70) 1,2,4-trichlorobenzene	13.198	180	41052	9.657	ug/L	99
71) Naphthalene	13.439	128	133238	10.015	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	41952	10.152	ug/L	98

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

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QLast Update : Fri Aug 02 23:21:18 2024
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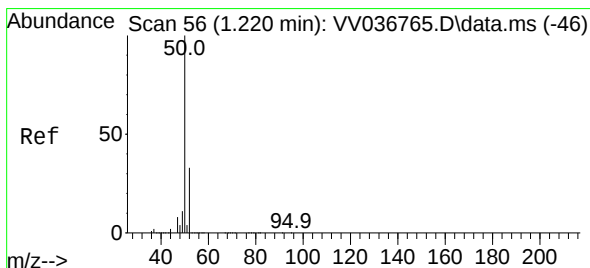
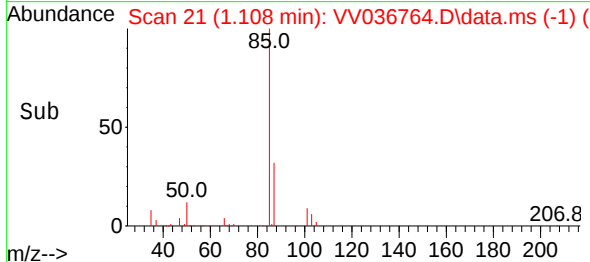
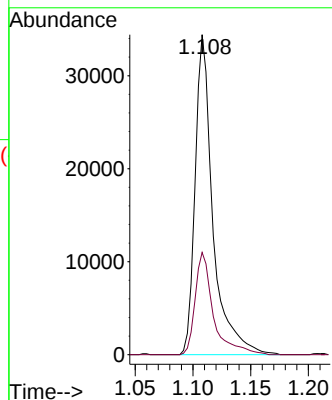
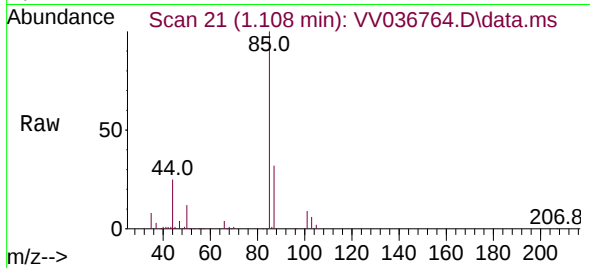




#2
Dichlorodifluoromethane
Concen: 10.925 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

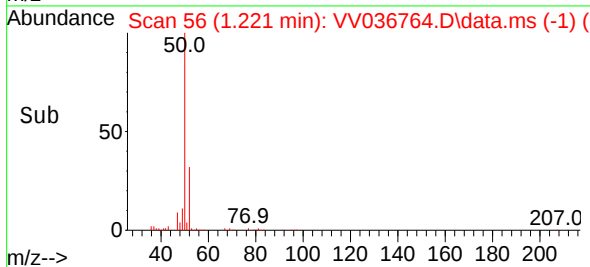
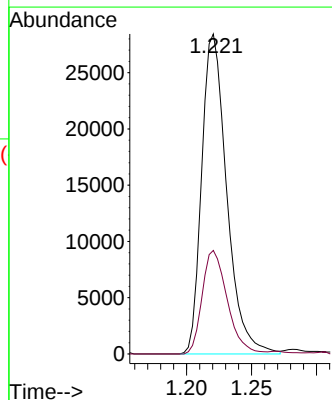
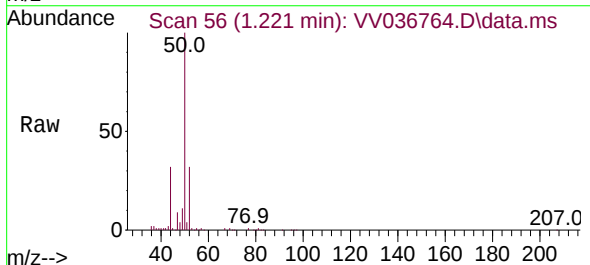
Instrument :
MSVOA_V
ClientSampleId :

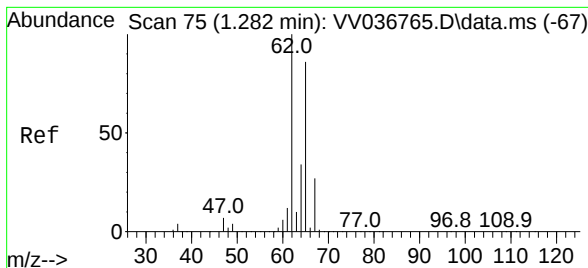
Tgt Ion: 85 Resp: 36820
Ion Ratio Lower Upper
85 100
87 32.9 25.9 38.9



#3
Chloromethane
Concen: 10.320 ug/L
RT: 1.221 min Scan# 56
Delta R.T. 0.000 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

Tgt Ion: 50 Resp: 38187
Ion Ratio Lower Upper
50 100
52 32.4 23.0 42.8

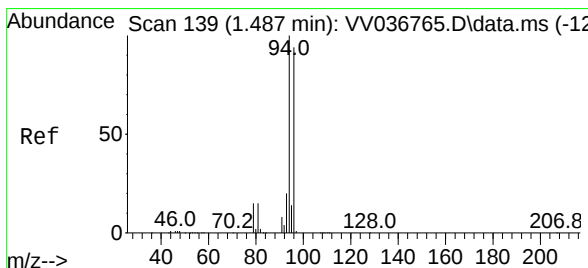
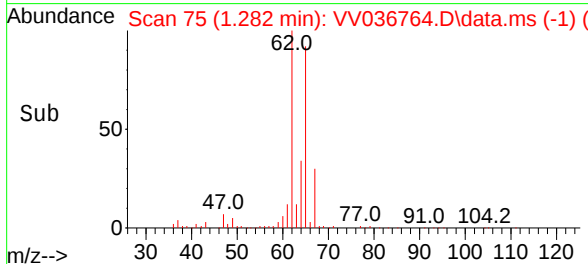
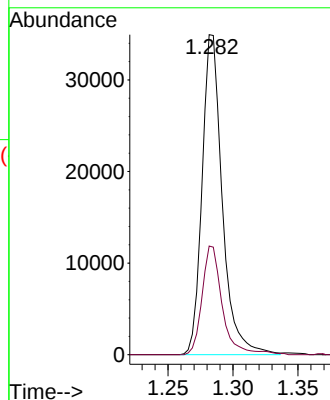
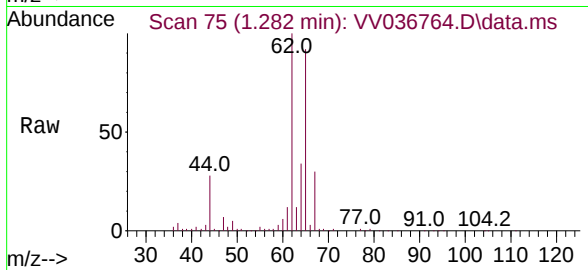




#5
 Vinyl chloride
 Concen: 9.843 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV036764.D
 Acq: 02 Aug 2024 16:15

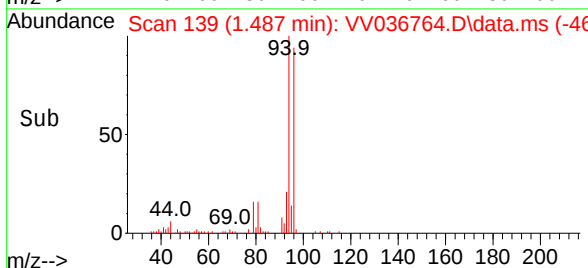
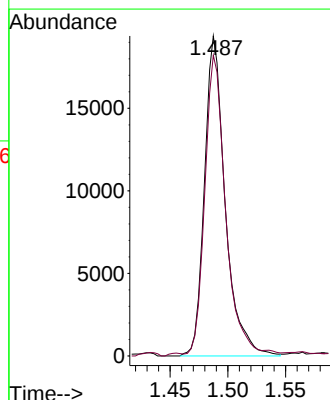
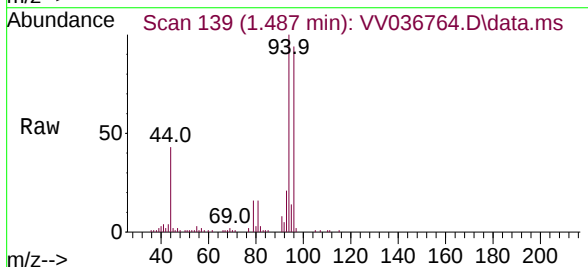
Instrument :
 MSVOA_V
 ClientSampleId :

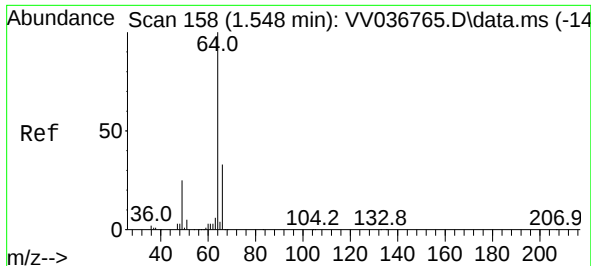
Tgt Ion: 62 Resp: 37897
 Ion Ratio Lower Upper
 62 100
 64 33.9 23.6 43.8



#6
 Bromomethane
 Concen: 9.707 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV036764.D
 Acq: 02 Aug 2024 16:15

Tgt Ion: 94 Resp: 24187
 Ion Ratio Lower Upper
 94 100
 96 94.0 65.5 121.7

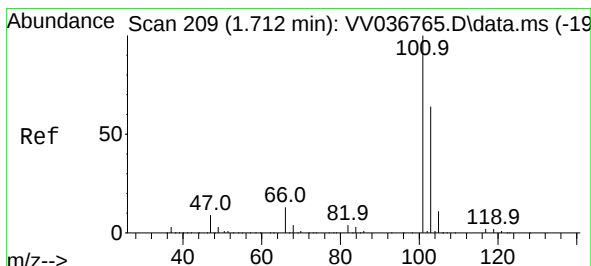
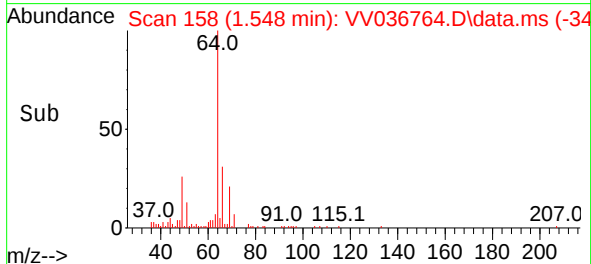
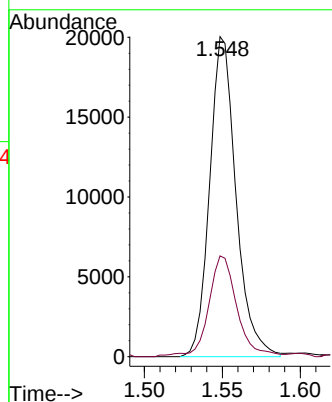
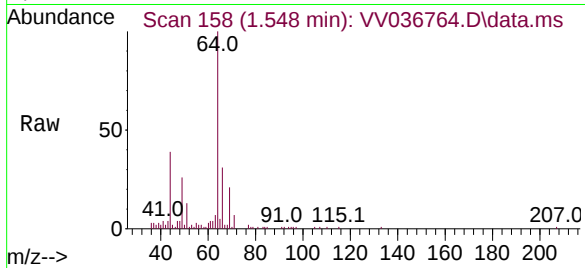




#8
Chloroethane
Concen: 9.713 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

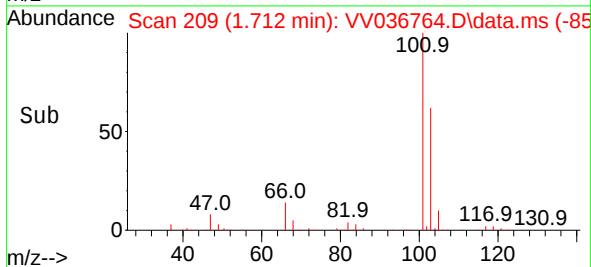
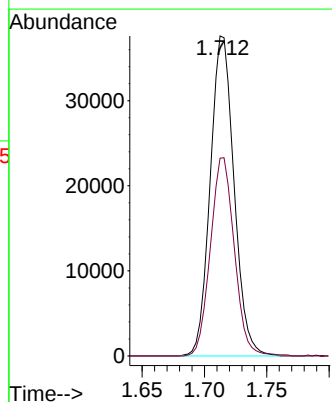
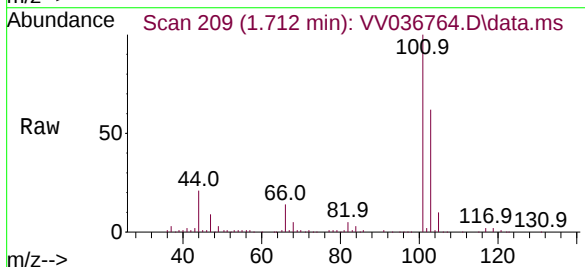
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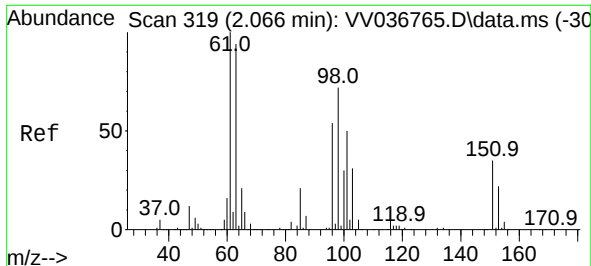
Tgt Ion: 64 Resp: 23548
Ion Ratio Lower Upper
64 100
66 31.5 23.2 43.0



#9
Trichlorofluoromethane
Concen: 9.922 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

Tgt Ion:101 Resp: 50060
Ion Ratio Lower Upper
101 100
103 62.3 51.4 77.0





#10

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

Concen: 9.531 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :

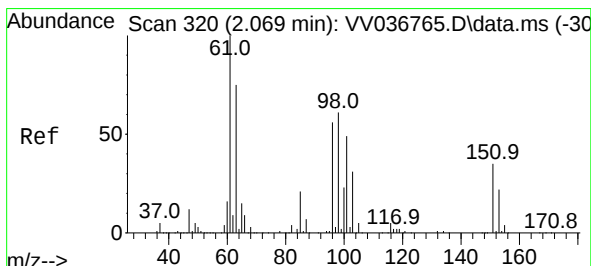
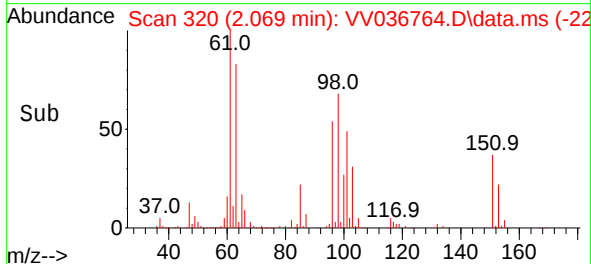
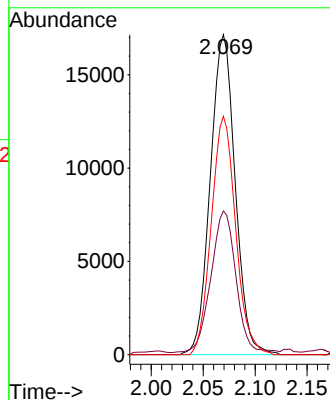
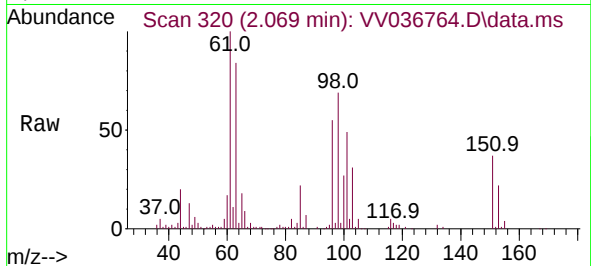
Tgt Ion:101 Resp: 28596

Ion Ratio Lower Upper

101 100

85 44.3 34.6 51.8

151 73.0 55.9 83.9



#12

1,1-Dichloroethene

Concen: 9.454 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

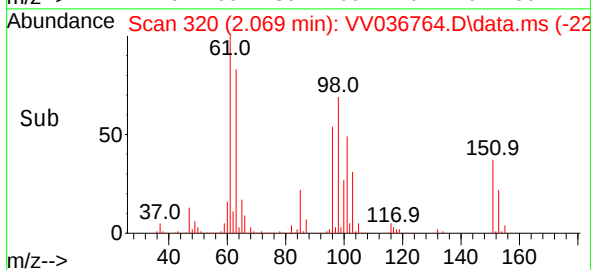
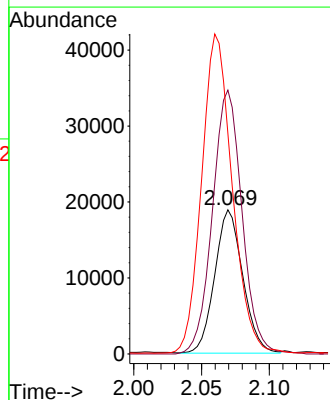
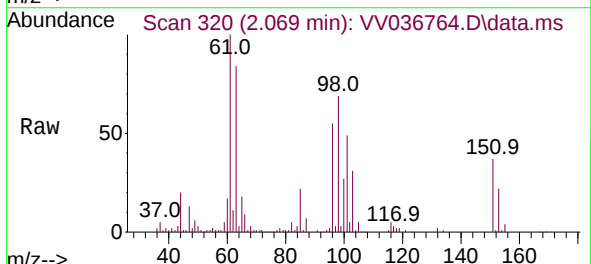
Tgt Ion: 96 Resp: 27126

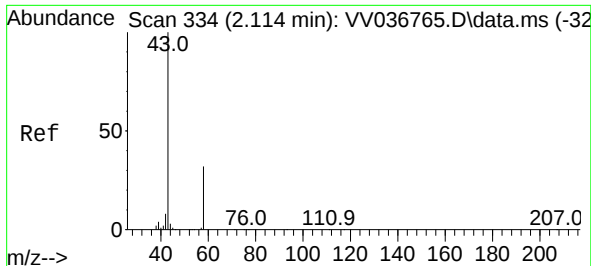
Ion Ratio Lower Upper

96 100

61 183.1 125.6 233.2

63 153.1 95.1 176.7





#13

Acetone

Concen: 19.632 ug/L

RT: 2.118 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

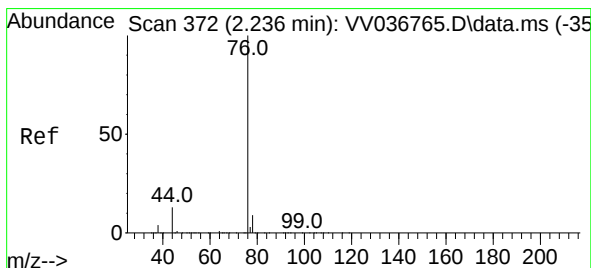
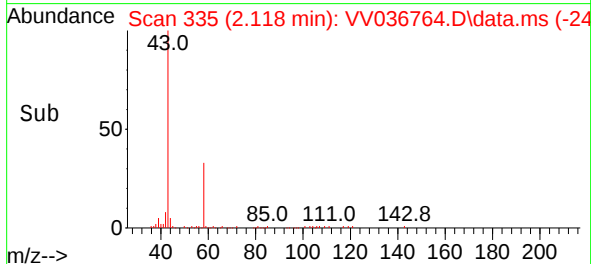
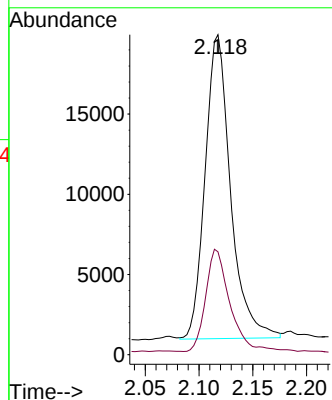
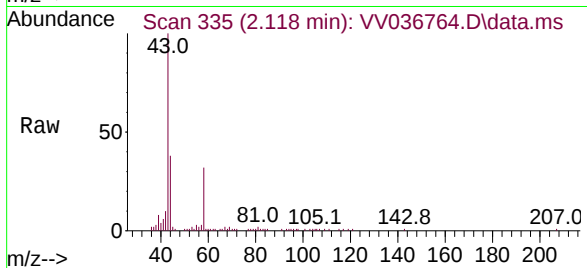
ClientSampleId :

Tgt Ion: 43 Resp: 31216

Ion Ratio Lower Upper

43 100

58 31.0 0.0 63.4



#14

Carbon disulfide

Concen: 9.726 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.003 min

Lab File: VV036764.D

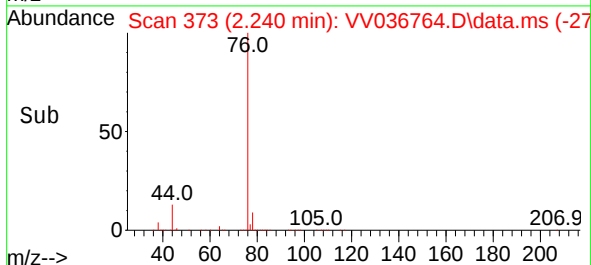
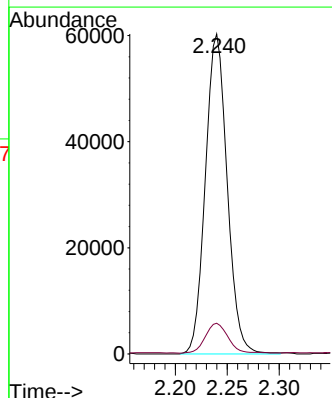
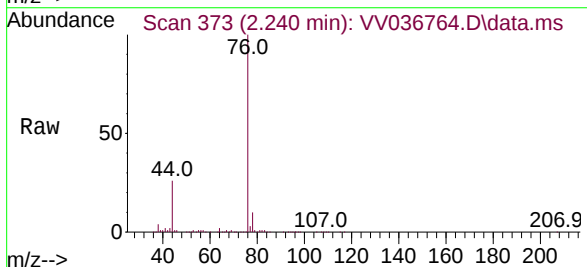
Acq: 02 Aug 2024 16:15

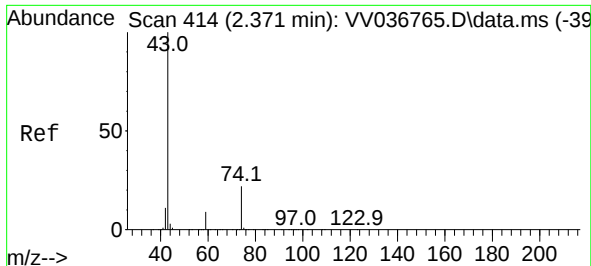
Tgt Ion: 76 Resp: 87962

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7





#15

Methyl Acetate

Concen: 9.829 ug/L

RT: 2.375 min Scan# 414

Delta R.T. 0.003 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

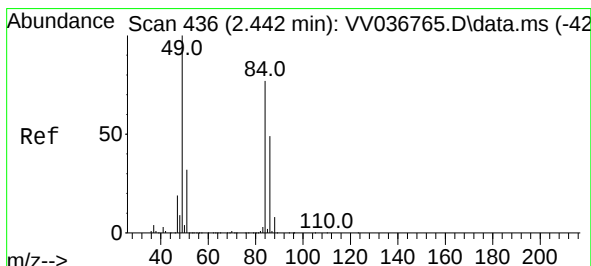
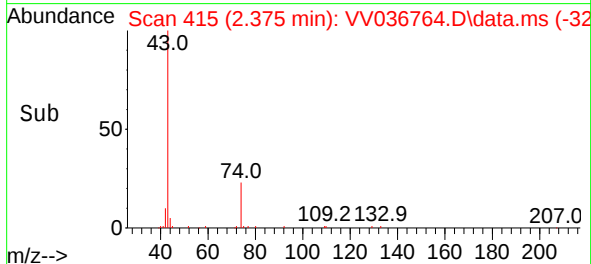
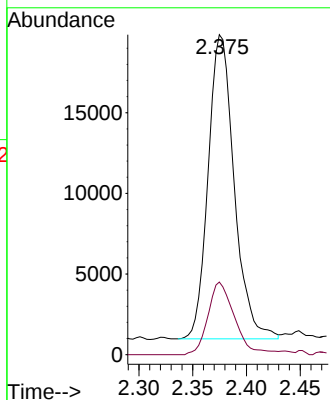
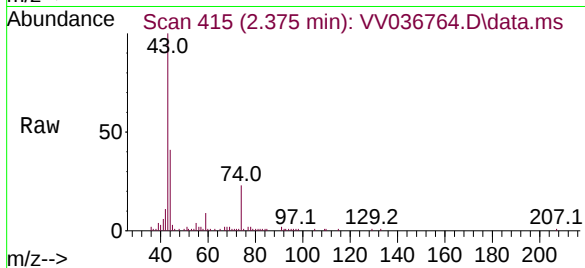
ClientSampleId :

Tgt Ion: 43 Resp: 31865

Ion Ratio Lower Upper

43 100

74 24.4 19.0 28.4



#16

Methylene chloride

Concen: 9.849 ug/L

RT: 2.446 min Scan# 437

Delta R.T. 0.003 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

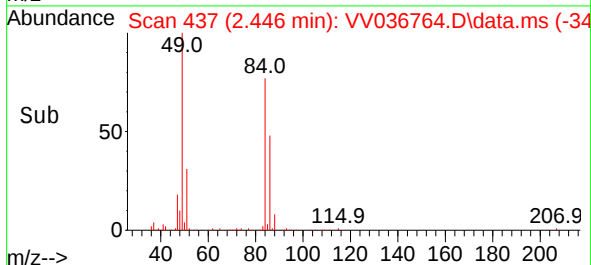
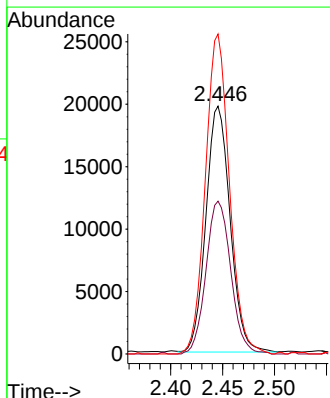
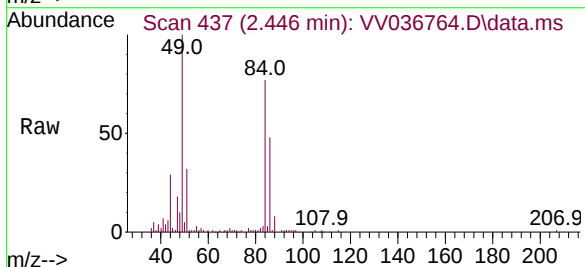
Tgt Ion: 84 Resp: 31970

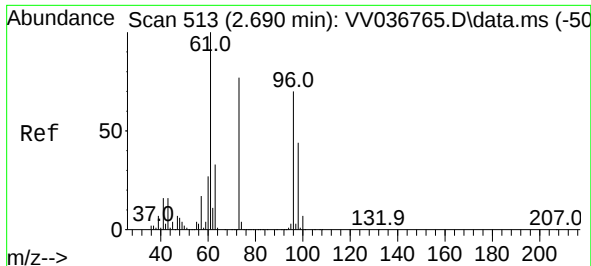
Ion Ratio Lower Upper

84 100

86 61.7 44.3 82.3

49 129.1 91.1 169.1





#17

trans-1,2-Dichloroethene

Concen: 9.663 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

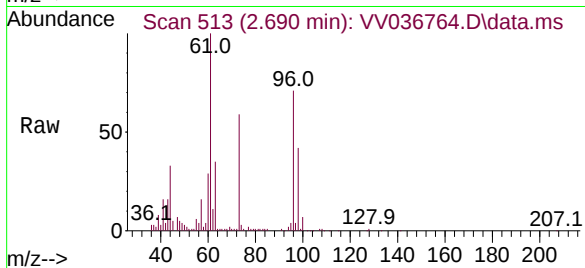
Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :



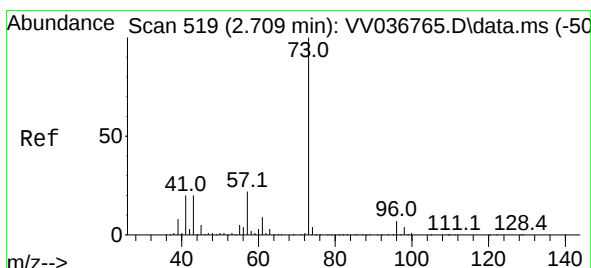
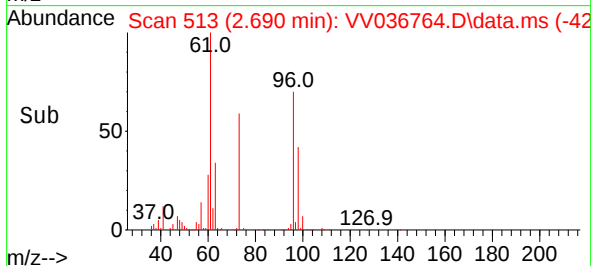
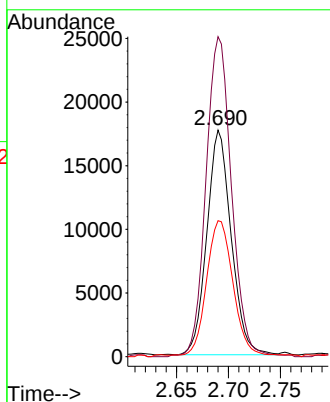
Tgt Ion: 96 Resp: 28840

Ion Ratio Lower Upper

96 100

61 141.2 100.0 185.8

98 60.0 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 9.626 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

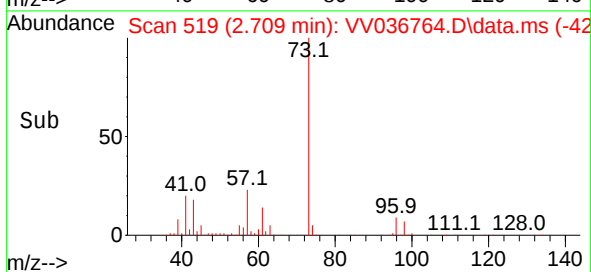
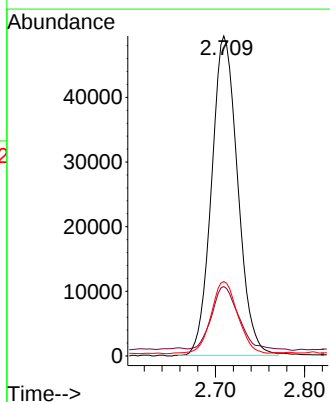
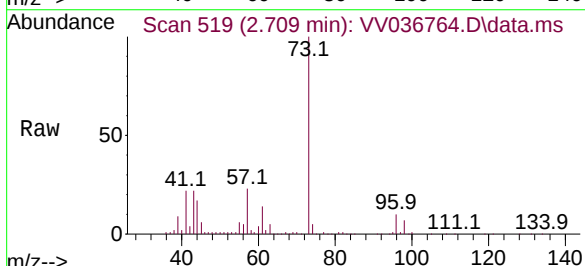
Tgt Ion: 73 Resp: 100673

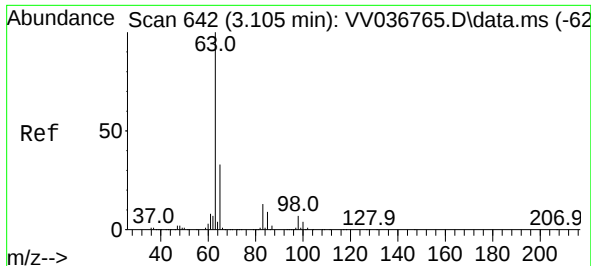
Ion Ratio Lower Upper

73 100

43 21.1 16.1 24.1

57 23.1 17.9 26.9

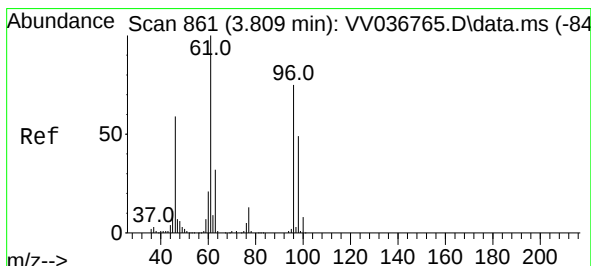
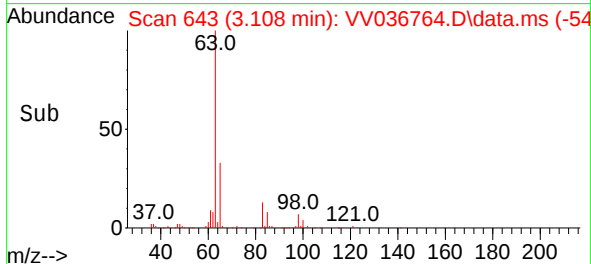
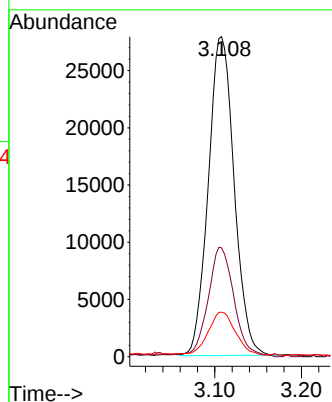
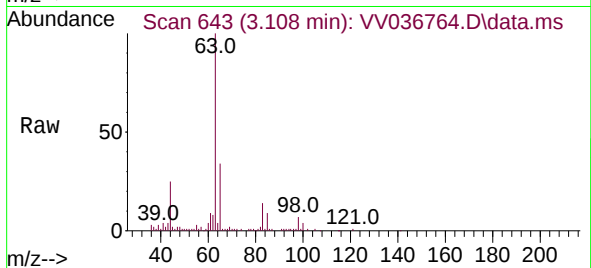




#19
1,1-Dichloroethane
Concen: 9.601 ug/L
RT: 3.108 min Scan# 642
Delta R.T. 0.003 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

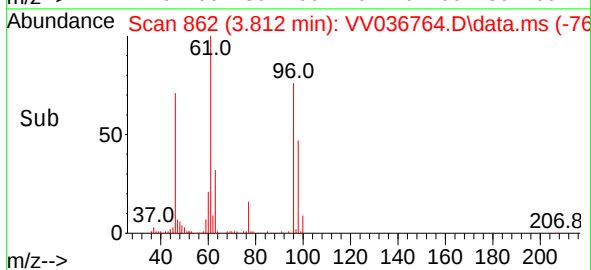
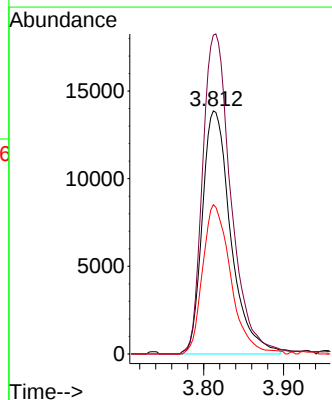
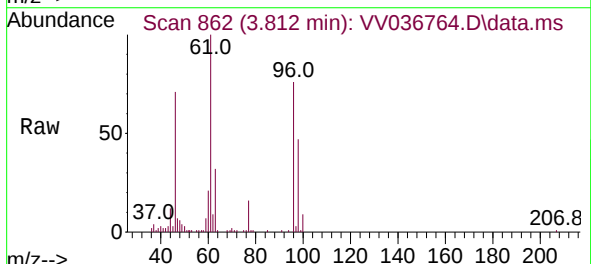
Instrument :
MSVOA_V
ClientSampleId :

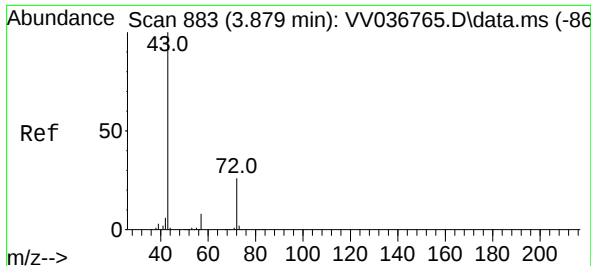
Tgt Ion: 63 Resp: 57834
Ion Ratio Lower Upper
63 100
65 34.0 23.2 43.0
83 13.9 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 9.701 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.003 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

Tgt Ion: 96 Resp: 34273
Ion Ratio Lower Upper
96 100
61 131.2 93.9 174.5
98 61.4 46.0 85.4

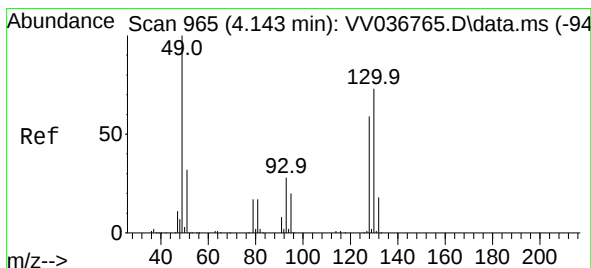
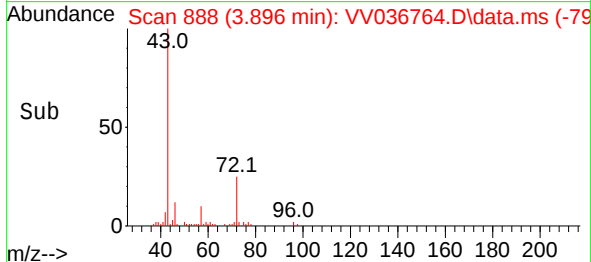
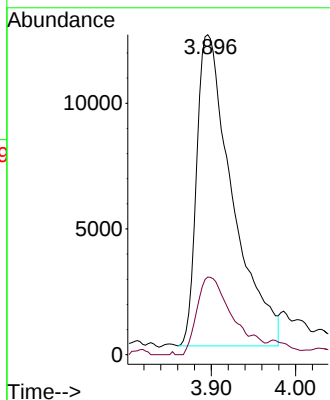
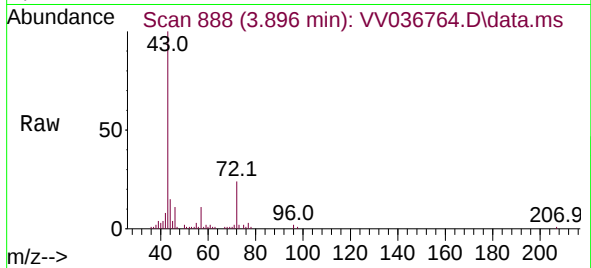




#22
2-Butanone
Concen: 18.231 ug/L
RT: 3.896 min Scan# 888
Delta R.T. 0.016 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

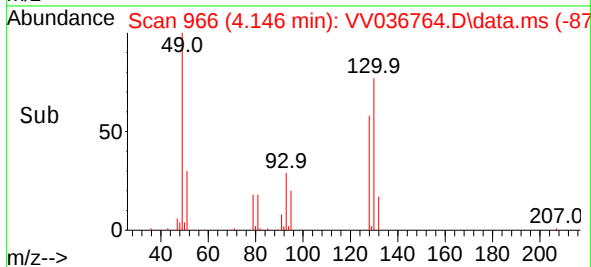
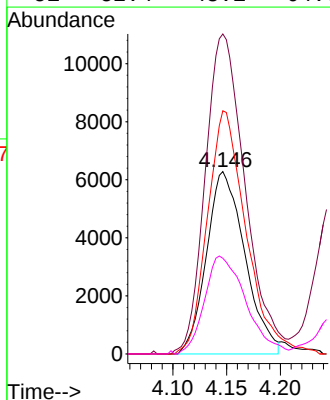
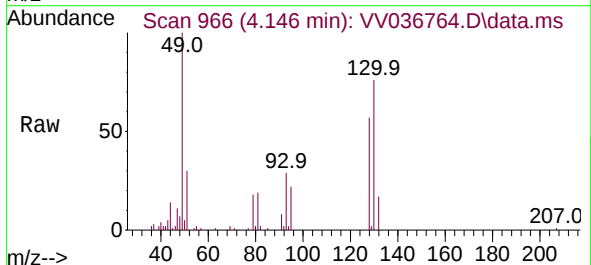
Instrument :
MSVOA_V
ClientSampleId :

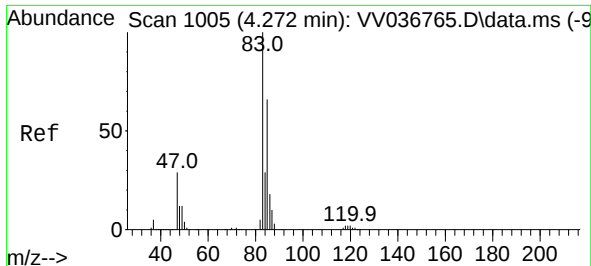
Tgt Ion: 43 Resp: 36429
Ion Ratio Lower Upper
43 100
72 23.0 12.5 37.5



#23
Bromochloromethane
Concen: 9.151 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

Tgt Ion:128 Resp: 15612
Ion Ratio Lower Upper
128 100
49 175.4 120.0 223.0
130 133.3 87.0 161.6
51 52.4 43.1 64.7





#25

Chloroform

Concen: 9.704 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

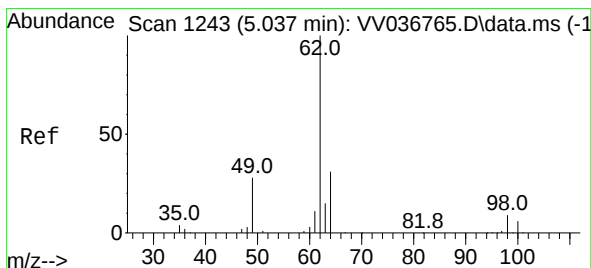
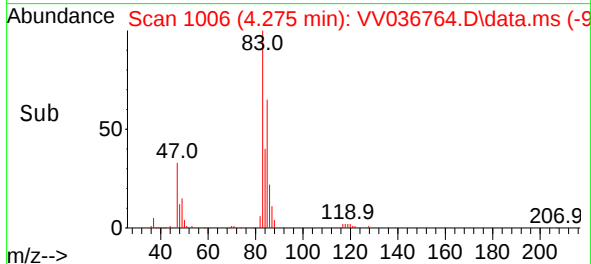
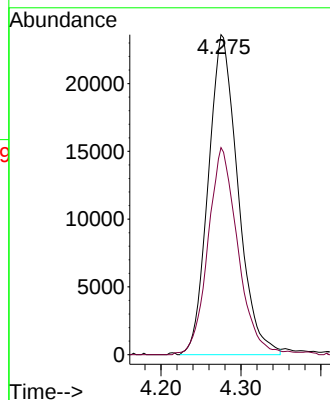
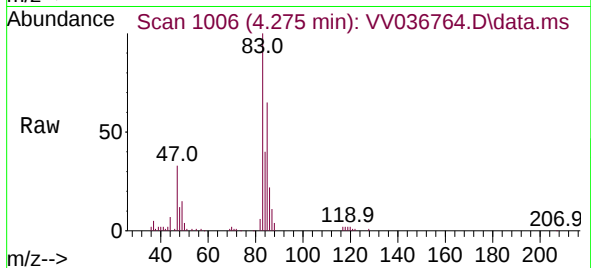
ClientSampleId :

Tgt Ion: 83 Resp: 60754

Ion Ratio Lower Upper

83 100

85 64.7 46.0 85.4



#27

1,2-Dichloroethane

Concen: 9.612 ug/L

RT: 5.044 min Scan# 1245

Delta R.T. 0.007 min

Lab File: VV036764.D

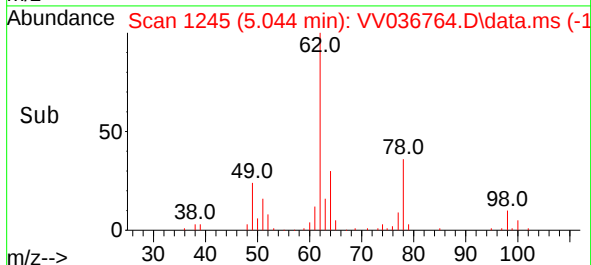
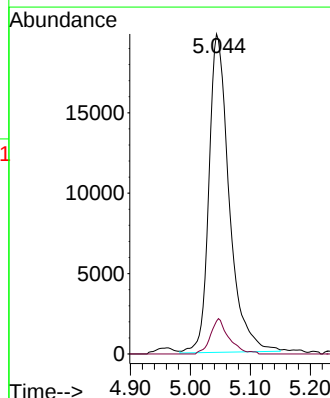
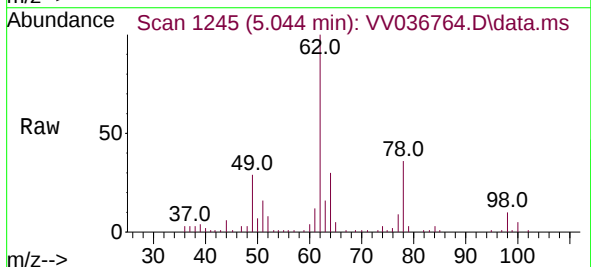
Acq: 02 Aug 2024 16:15

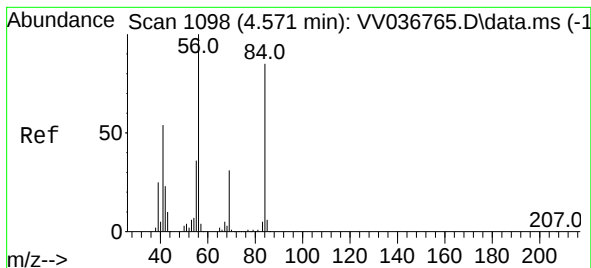
Tgt Ion: 62 Resp: 46635

Ion Ratio Lower Upper

62 100

98 10.3 7.5 11.3





#29

Cyclohexane

Concen: 9.575 ug/L

RT: 4.574 min Scan# 1098

Delta R.T. 0.003 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :

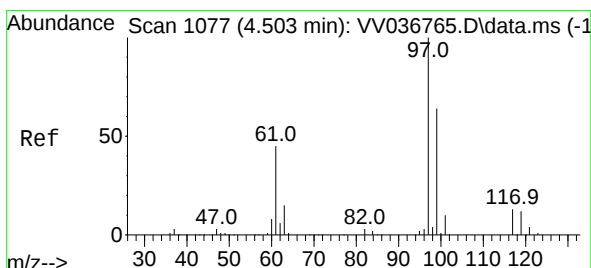
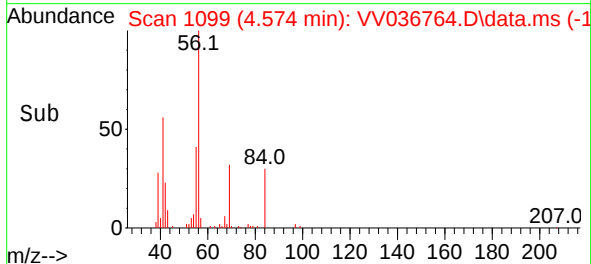
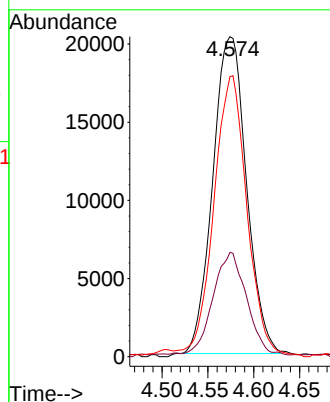
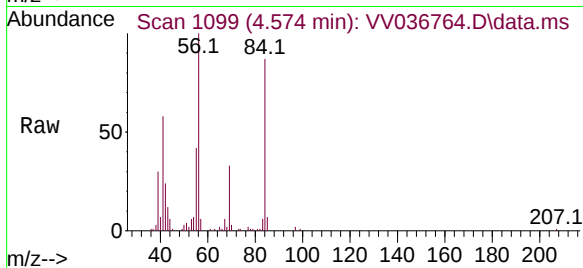
Tgt Ion: 56 Resp: 51839

Ion Ratio Lower Upper

56 100

69 31.0 24.7 37.1

84 87.2 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 9.650 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.007 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

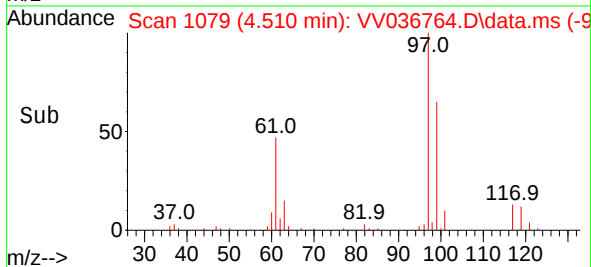
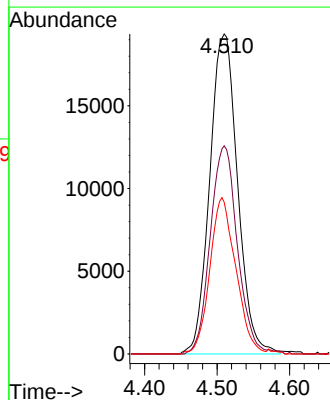
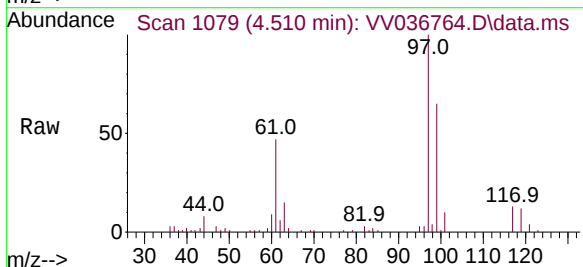
Tgt Ion: 97 Resp: 51701

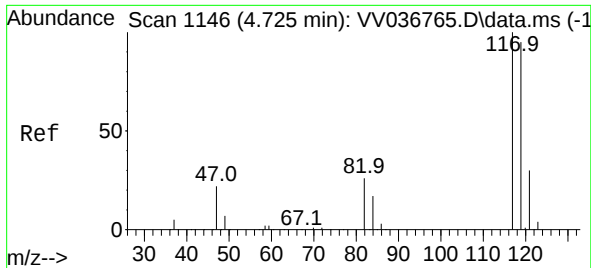
Ion Ratio Lower Upper

97 100

99 63.1 51.5 77.3

61 43.7 36.0 54.0

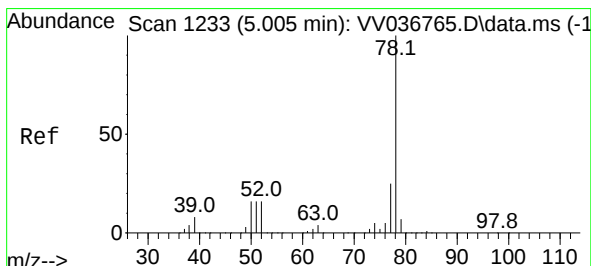
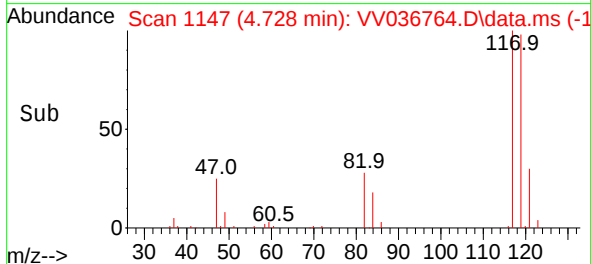
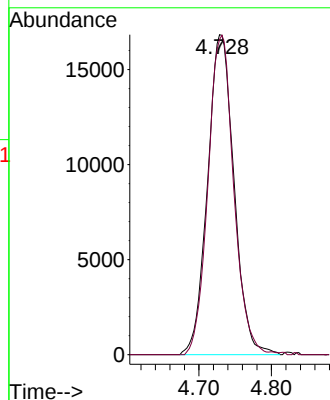
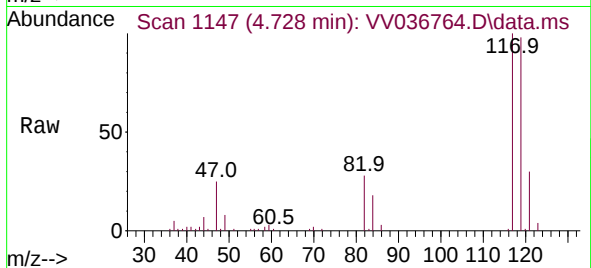




#31
Carbon tetrachloride
Concen: 9.491 ug/L
RT: 4.728 min Scan# 1146
Delta R.T. 0.003 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

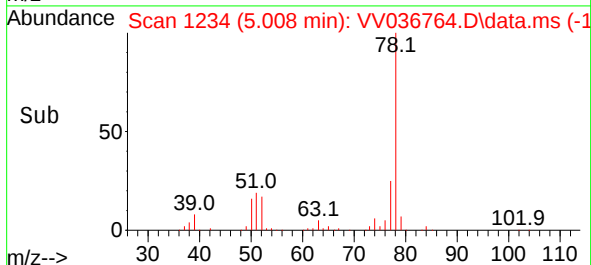
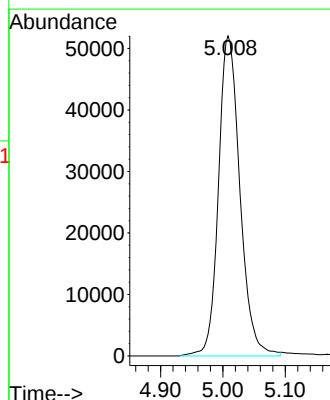
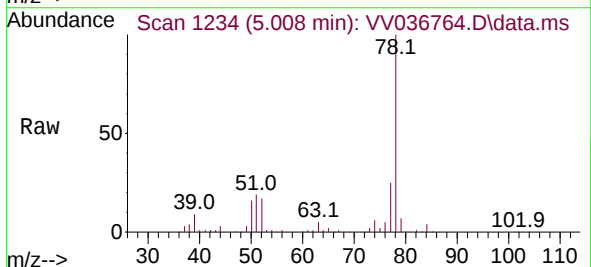
Instrument :
MSVOA_V
ClientSampleId :

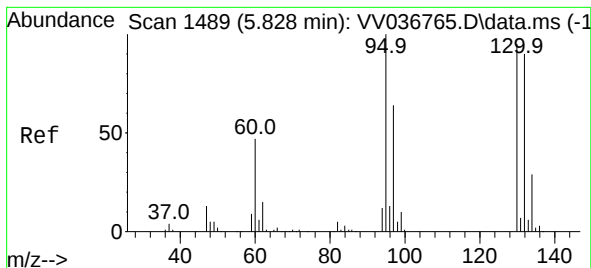
Tgt Ion:117 Resp: 42749
Ion Ratio Lower Upper
117 100
119 96.7 76.1 114.1



#33
Benzene
Concen: 9.765 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

Tgt Ion: 78 Resp: 124398





#34

Trichloroethene

Concen: 9.638 ug/L

RT: 5.834 min Scan# 1489

Delta R.T. 0.007 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 35595

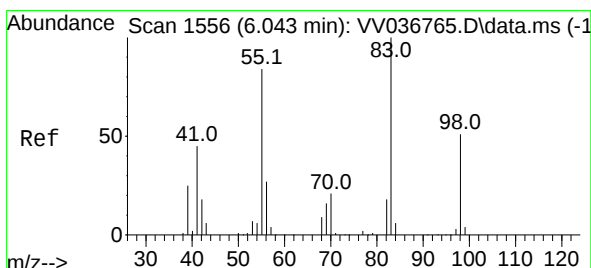
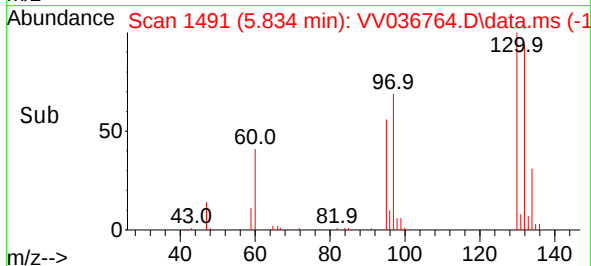
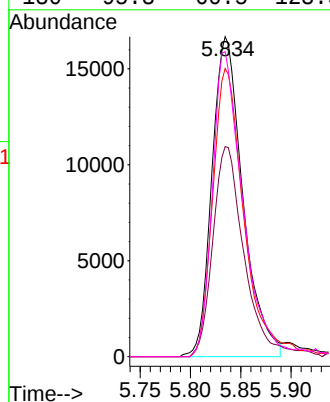
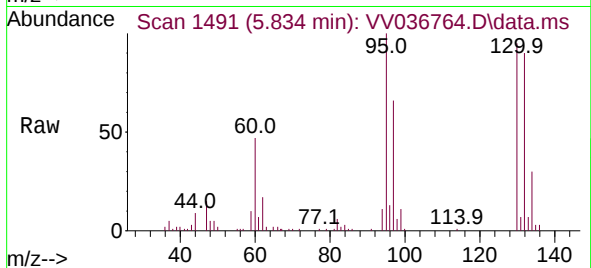
Ion Ratio Lower Upper

95 100

97 65.7 44.7 82.9

132 90.1 62.9 116.9

130 95.3 66.5 123.5



#35

Methylcyclohexane

Concen: 9.544 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

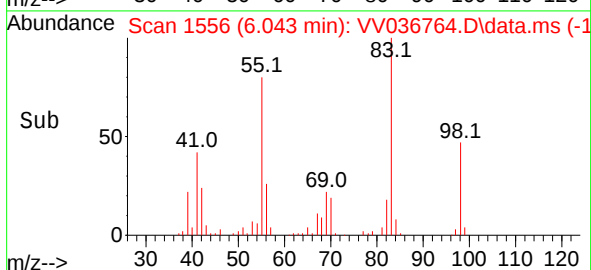
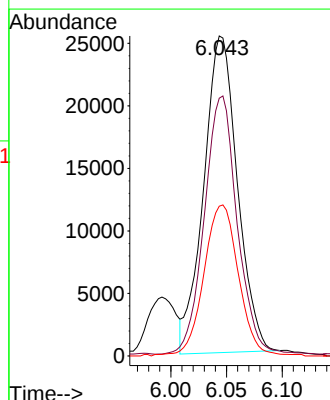
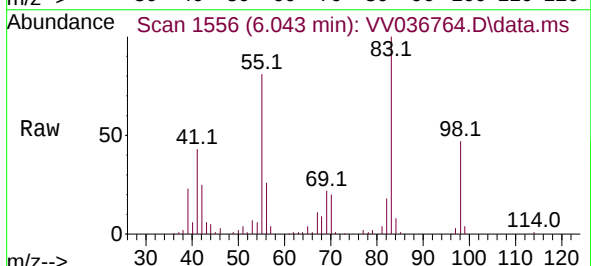
Tgt Ion: 83 Resp: 53429

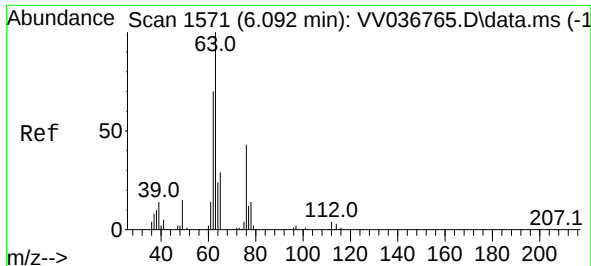
Ion Ratio Lower Upper

83 100

55 79.5 62.3 93.5

98 47.9 38.7 58.1

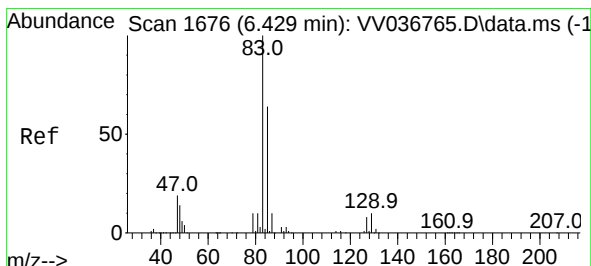
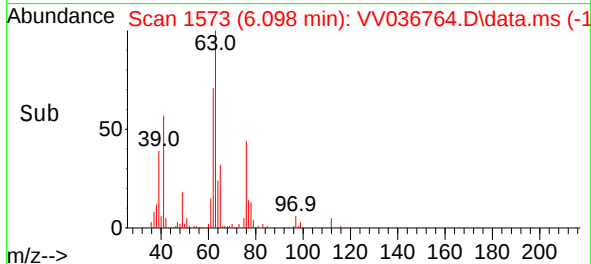
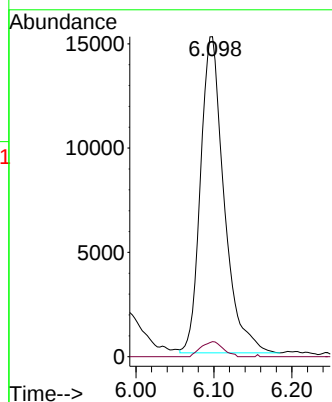
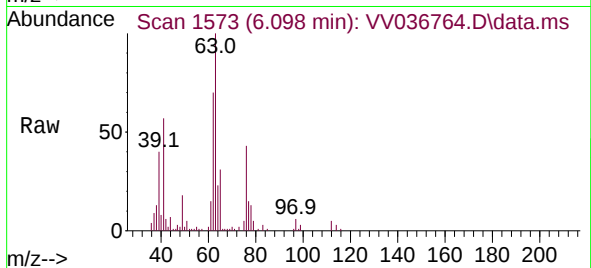




#37
1,2-Dichloropropane
Concen: 9.497 ug/L
RT: 6.098 min Scan# 1571
Delta R.T. 0.007 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

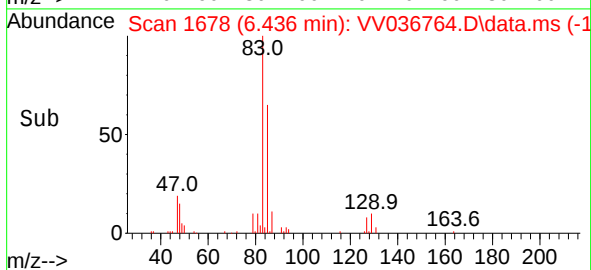
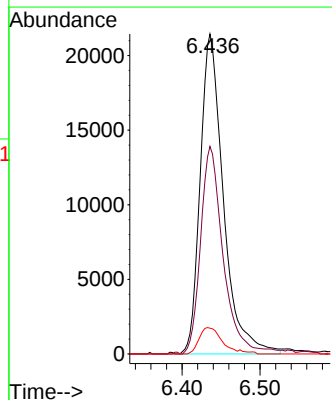
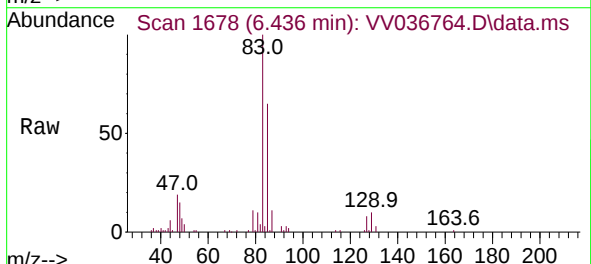
Instrument :
MSVOA_V
ClientSampleId :

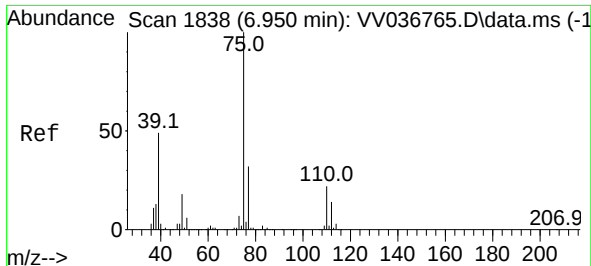
Tgt Ion: 63 Resp: 31856
Ion Ratio Lower Upper
63 100
112 4.5 3.6 5.4



#38
Bromodichloromethane
Concen: 9.523 ug/L
RT: 6.436 min Scan# 1678
Delta R.T. 0.007 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

Tgt Ion: 83 Resp: 44307
Ion Ratio Lower Upper
83 100
85 64.8 44.7 83.1
127 8.0 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 9.398 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.010 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

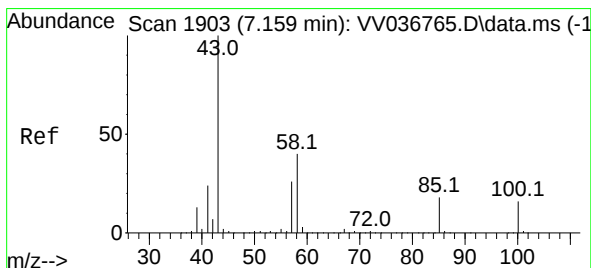
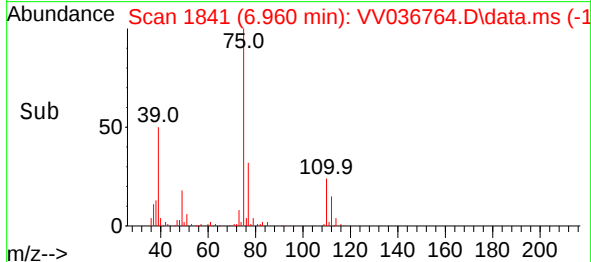
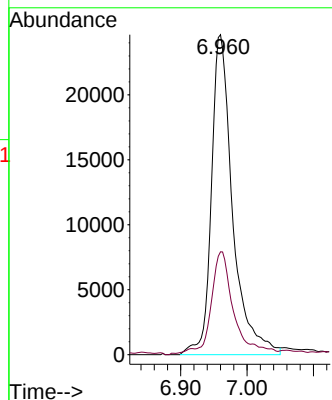
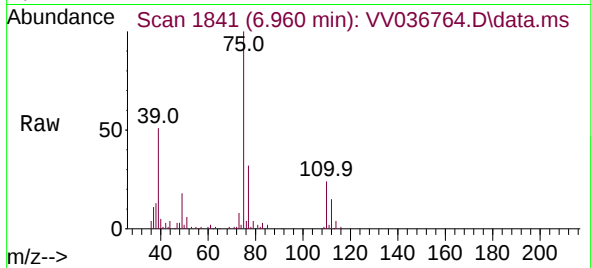
ClientSampleId :

Tgt Ion: 75 Resp: 54792

Ion Ratio Lower Upper

75 100

77 32.1 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 19.780 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.007 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

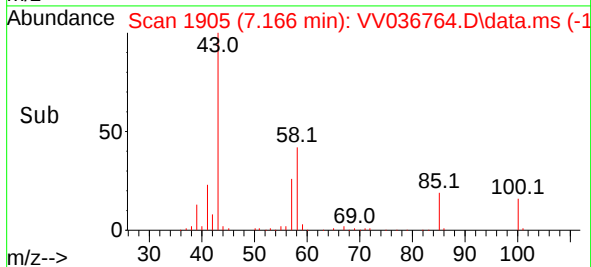
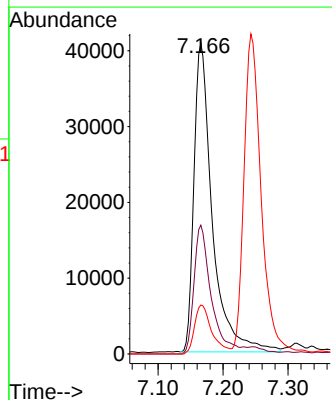
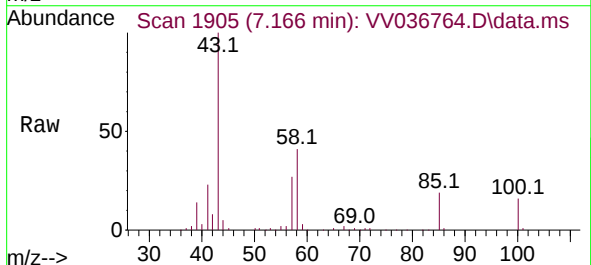
Tgt Ion: 43 Resp: 80225

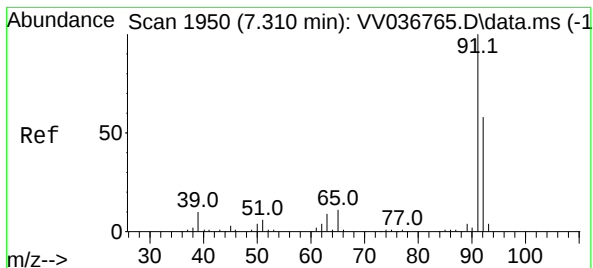
Ion Ratio Lower Upper

43 100

58 38.9 31.3 46.9

100 14.9 12.6 18.8





#42

Toluene

Concen: 9.587 ug/L

RT: 7.317 min Scan# 1950

Delta R.T. 0.007 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

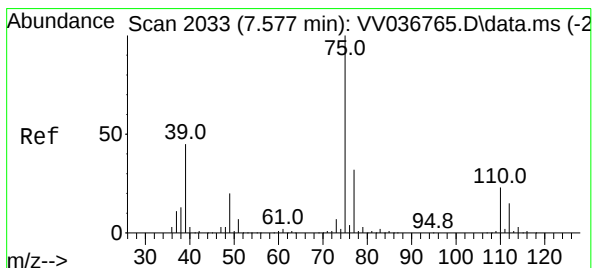
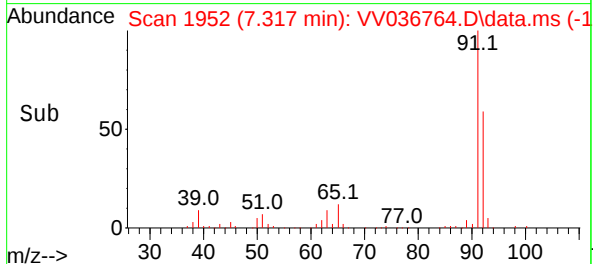
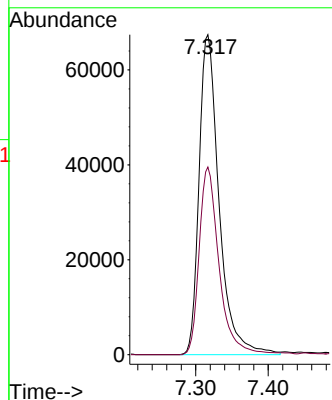
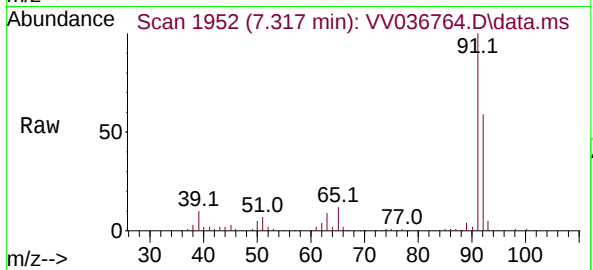
ClientSampleId :

Tgt Ion: 91 Resp: 129242

Ion Ratio Lower Upper

91 100

92 58.6 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 9.201 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.010 min

Lab File: VV036764.D

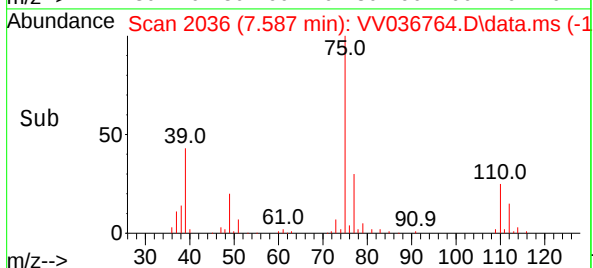
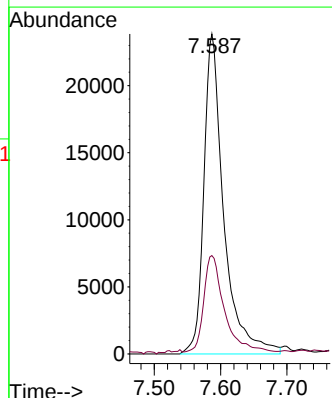
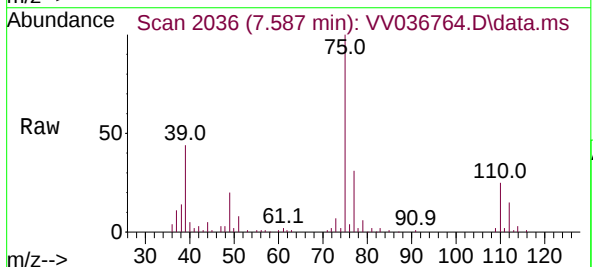
Acq: 02 Aug 2024 16:15

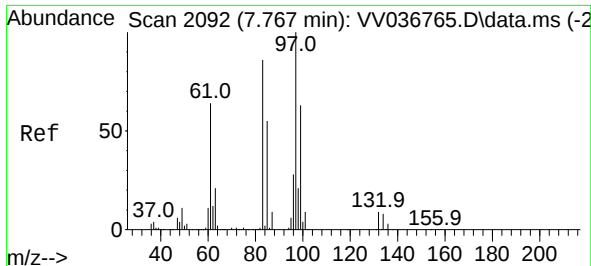
Tgt Ion: 75 Resp: 49729

Ion Ratio Lower Upper

75 100

77 30.7 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 9.887 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.007 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 31823

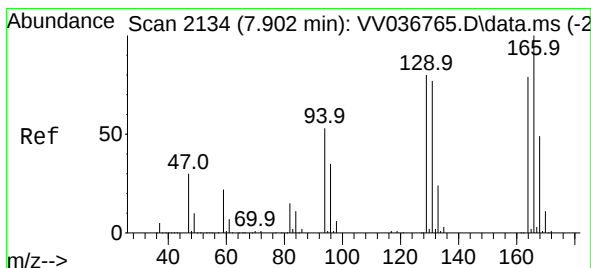
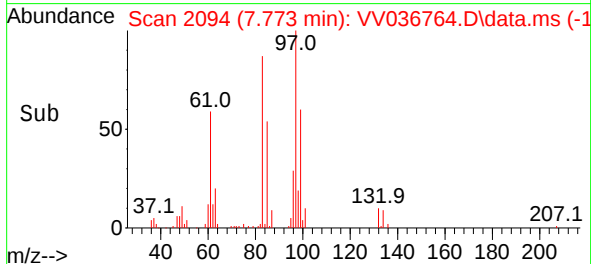
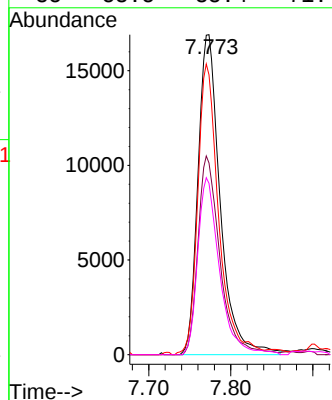
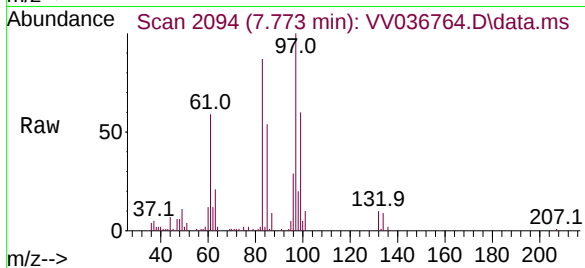
Ion Ratio Lower Upper

97 100

99 59.9 44.0 81.6

83 87.4 60.1 111.5

85 53.5 38.4 71.4



#46

Tetrachloroethene

Concen: 9.715 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.003 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Tgt Ion: 164 Resp: 23322

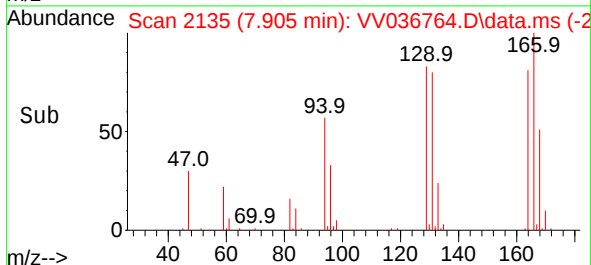
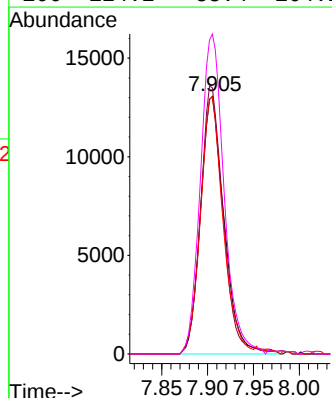
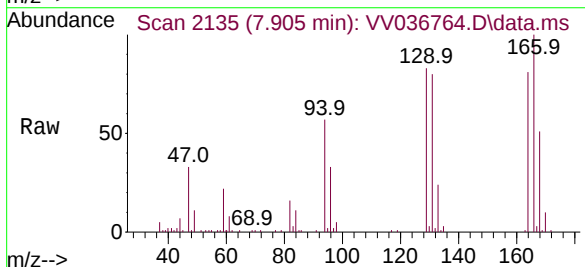
Ion Ratio Lower Upper

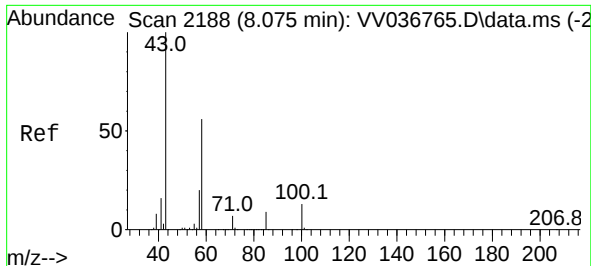
164 100

129 103.3 70.4 130.8

131 99.7 67.7 125.7

166 124.2 88.4 164.2





#48

2-Hexanone

Concen: 17.821 ug/L

RT: 8.085 min Scan# 2188

Delta R.T. 0.010 min

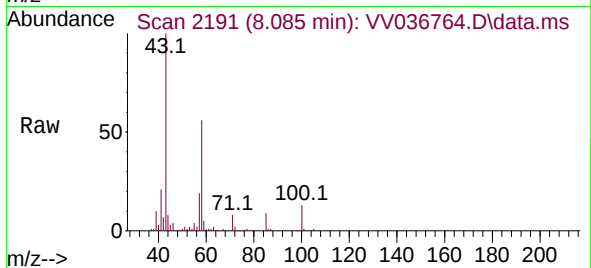
Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 54437

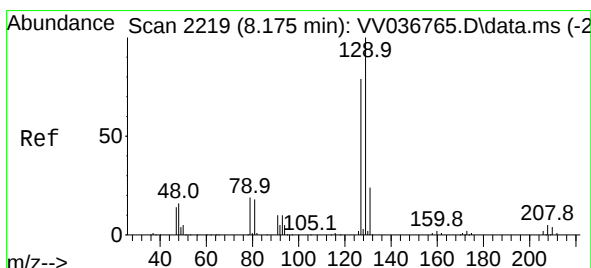
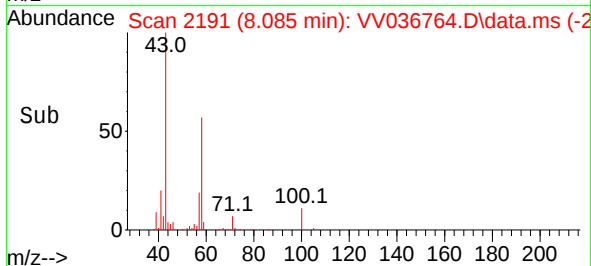
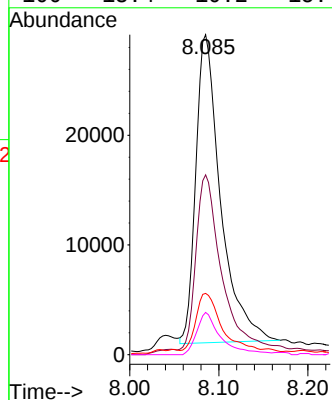
Ion Ratio Lower Upper

43 100

58 58.9 44.7 67.1

57 19.2 15.0 22.4

100 13.4 10.2 15.4



#49

Dibromochloromethane

Concen: 9.203 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.000 min

Lab File: VV036764.D

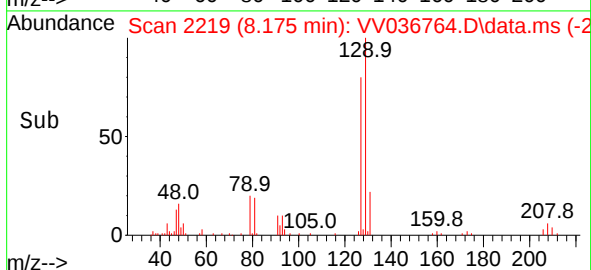
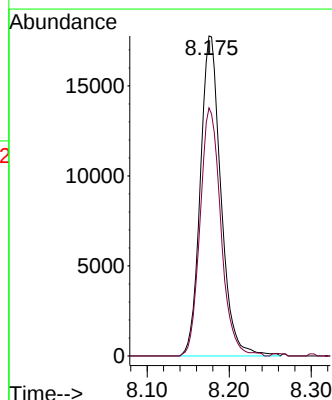
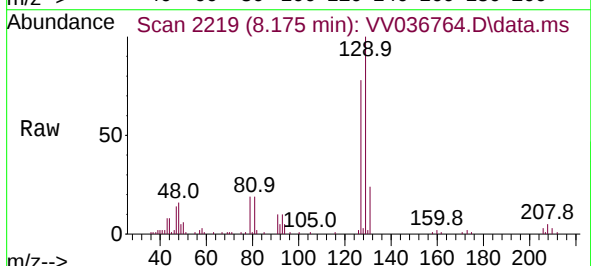
Acq: 02 Aug 2024 16:15

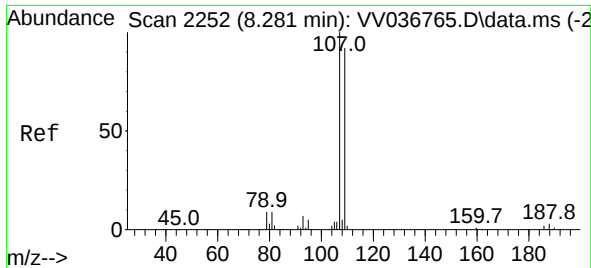
Tgt Ion: 129 Resp: 31065

Ion Ratio Lower Upper

129 100

127 77.5 55.4 102.8

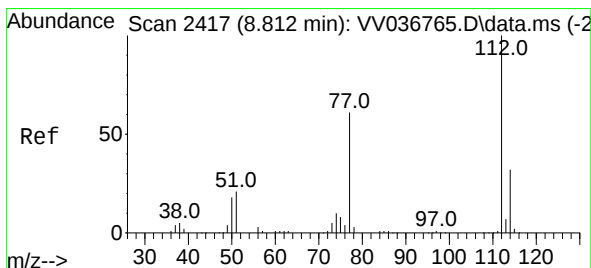
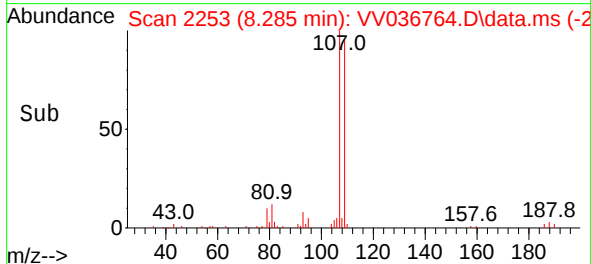
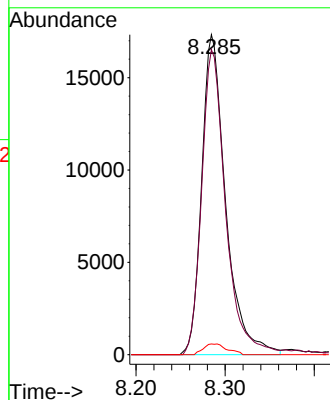
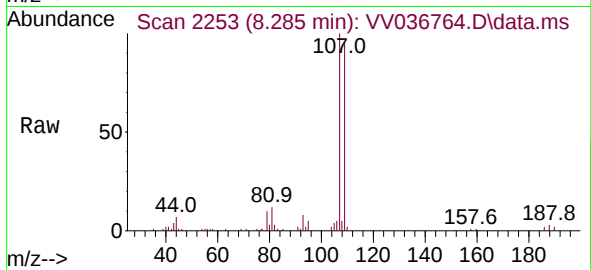




#50
1,2-Dibromoethane
Concen: 9.521 ug/L
RT: 8.285 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

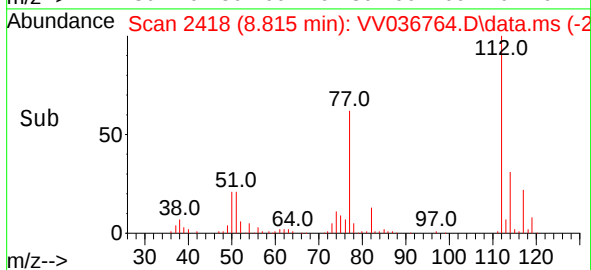
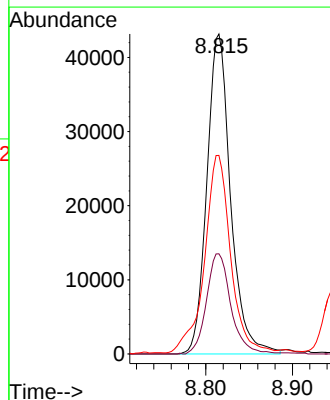
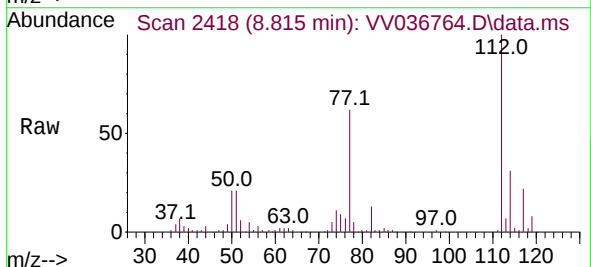
Instrument :
MSVOA_V
ClientSampleId :

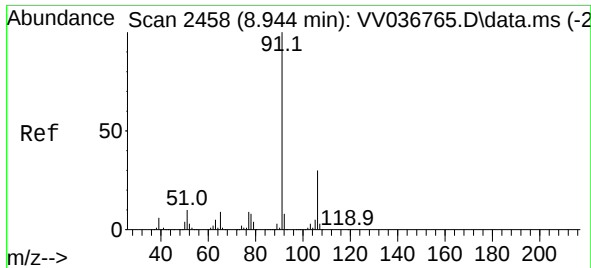
Tgt Ion:107 Resp: 32398
Ion Ratio Lower Upper
107 100
109 95.3 64.7 120.1
188 3.3 2.6 3.8



#51
Chlorobenzene
Concen: 9.427 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.003 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

Tgt Ion:112 Resp: 82299
Ion Ratio Lower Upper
112 100
114 31.3 22.3 41.5
77 62.0 48.9 73.3

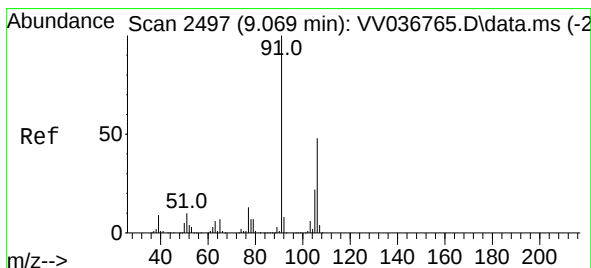
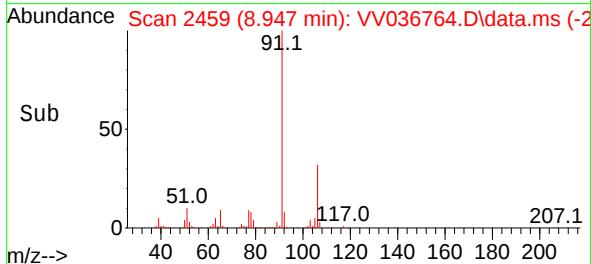
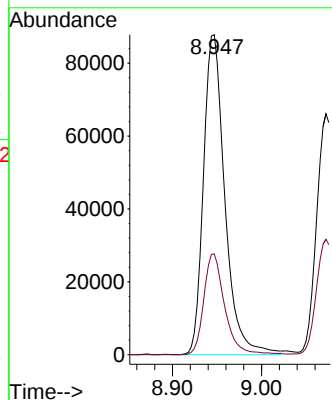
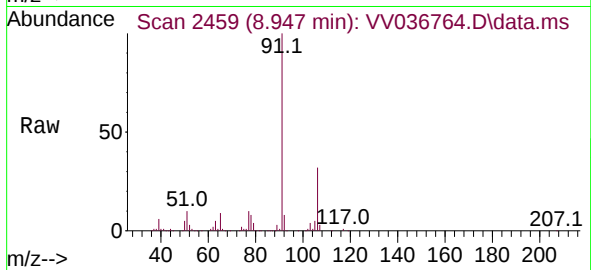




#52
Ethylbenzene
Concen: 9.421 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

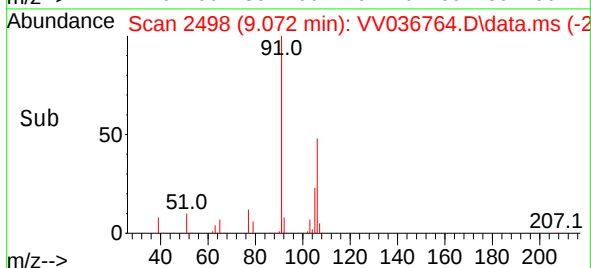
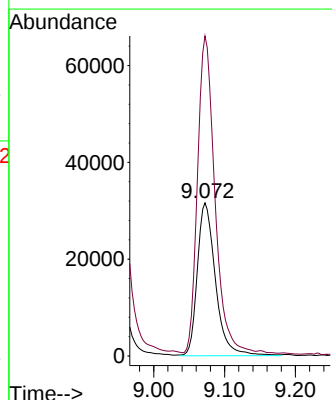
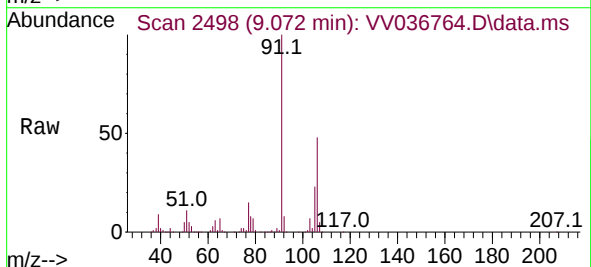
Instrument :
MSVOA_V
ClientSampleId :

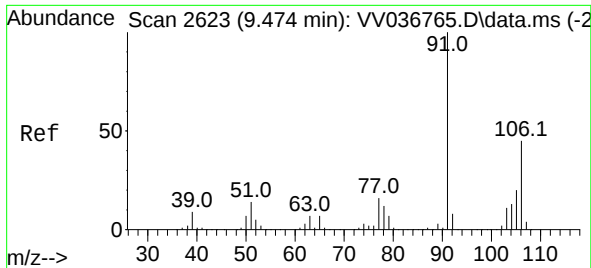
Tgt Ion: 91 Resp: 146454
Ion Ratio Lower Upper
91 100
106 31.5 21.1 39.1



#53
m,p-Xylene
Concen: 9.866 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

Tgt Ion:106 Resp: 56209
Ion Ratio Lower Upper
106 100
91 208.9 147.1 273.3

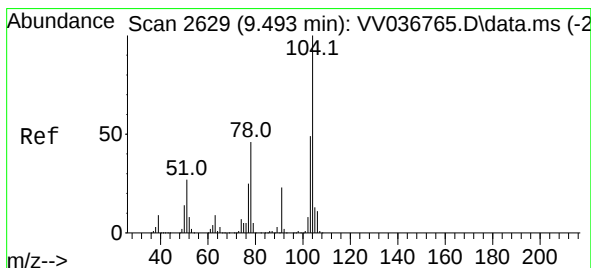
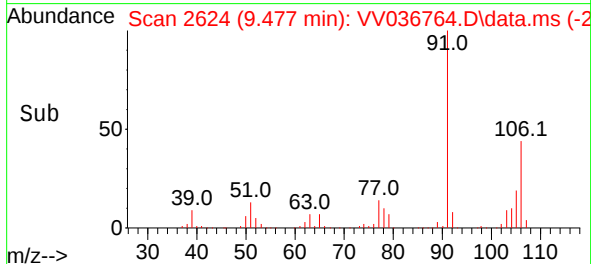
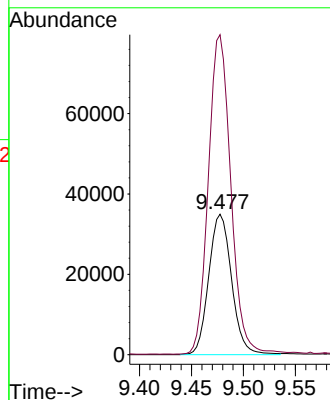
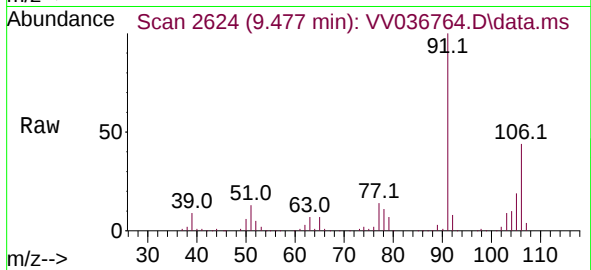




#54
o-Xylene
Concen: 9.434 ug/L
RT: 9.477 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

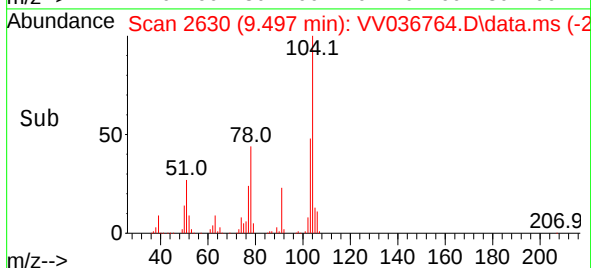
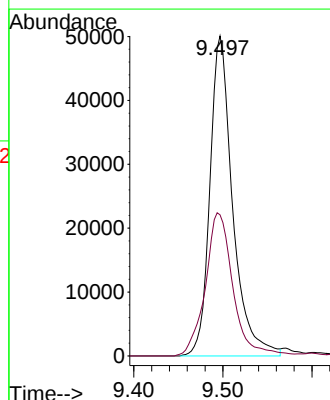
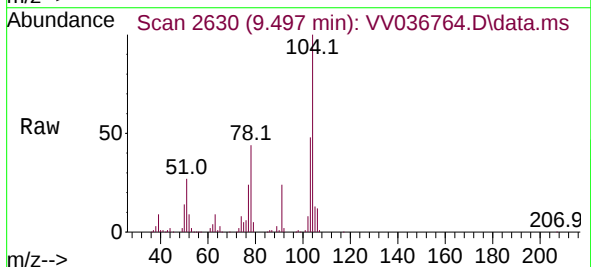
Instrument :
MSVOA_V
ClientSampleId :

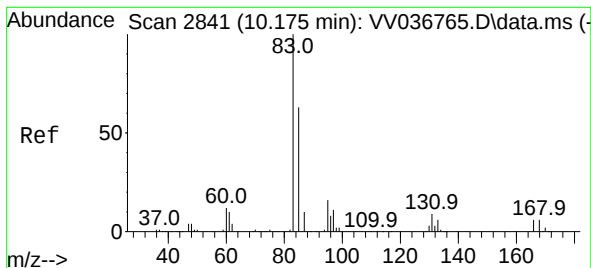
Tgt Ion:106 Resp: 53488
Ion Ratio Lower Upper
106 100
91 227.8 154.5 286.9



#55
Styrene
Concen: 9.171 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

Tgt Ion:104 Resp: 88980
Ion Ratio Lower Upper
104 100
78 44.1 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 9.779 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :

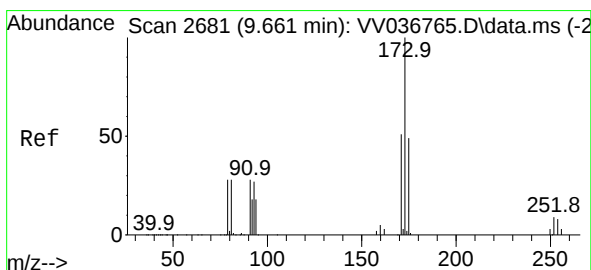
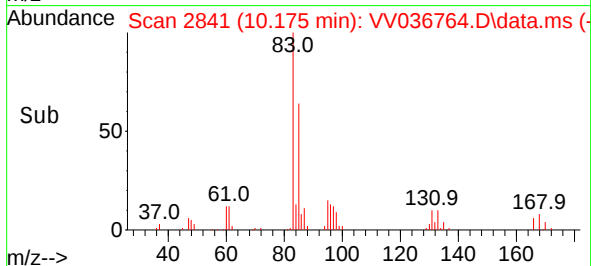
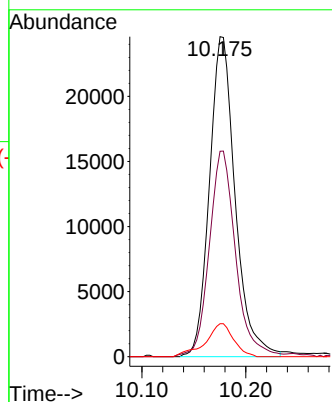
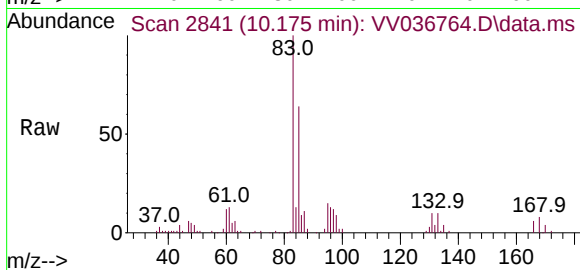
Tgt Ion: 83 Resp: 42299

Ion Ratio Lower Upper

83 100

85 64.2 44.7 83.1

131 10.3 7.2 10.8



#59

Bromoform

Concen: 9.599 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.003 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

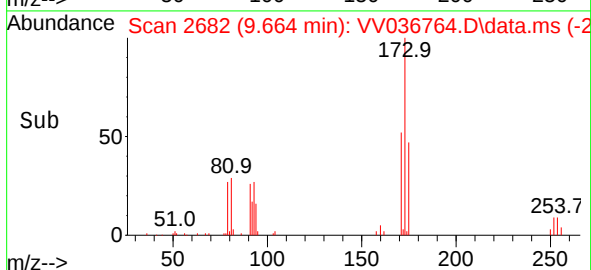
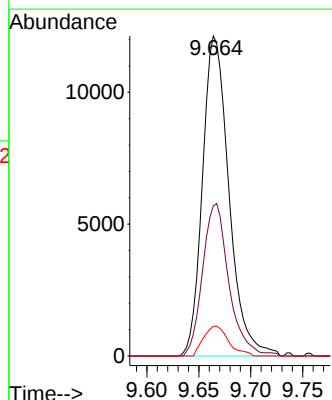
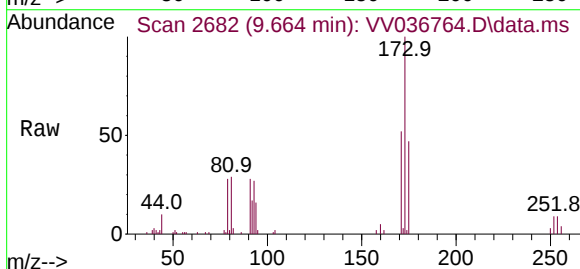
Tgt Ion:173 Resp: 21466

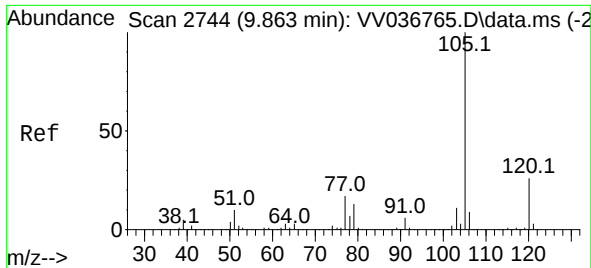
Ion Ratio Lower Upper

173 100

175 46.8 39.8 59.8

254 8.8 6.8 10.2

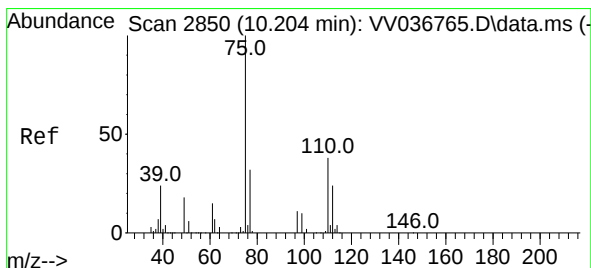
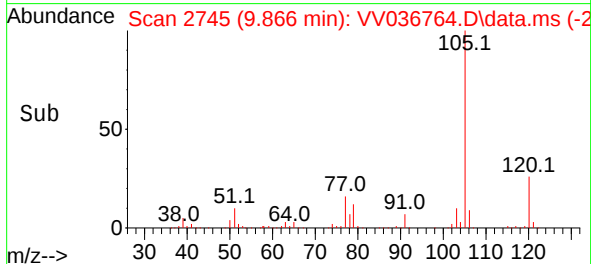
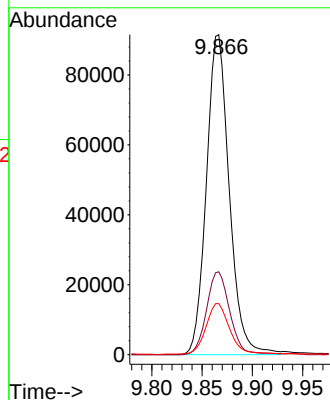
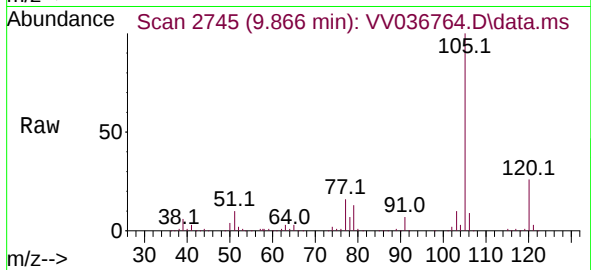




#60
Isopropylbenzene
Concen: 9.871 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

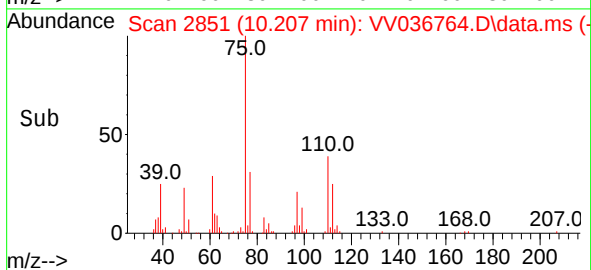
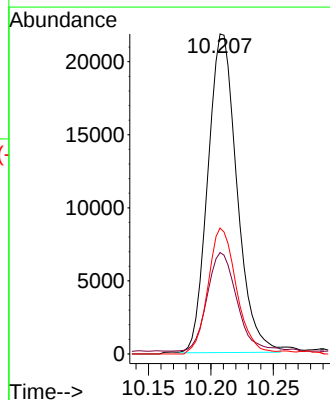
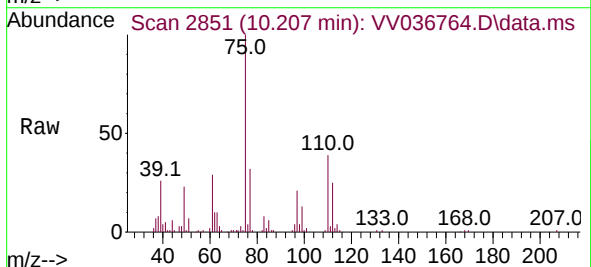
Instrument :
MSVOA_V
ClientSampleId :

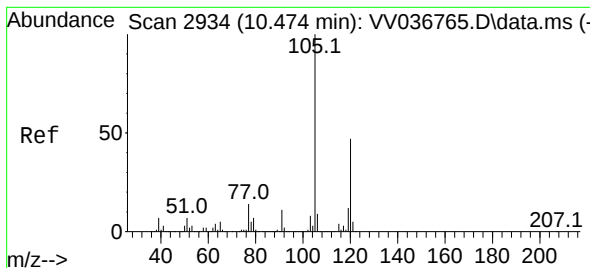
Tgt Ion:105 Resp: 144776
Ion Ratio Lower Upper
105 100
120 26.0 20.3 30.5
77 16.2 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 9.961 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.003 min
Lab File: VV036764.D
Acq: 02 Aug 2024 16:15

Tgt Ion: 75 Resp: 35508
Ion Ratio Lower Upper
75 100
77 31.0 26.2 39.2
110 38.6 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 9.742 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

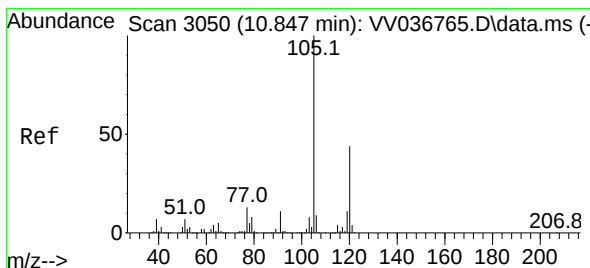
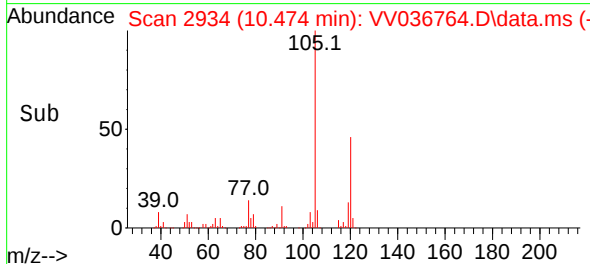
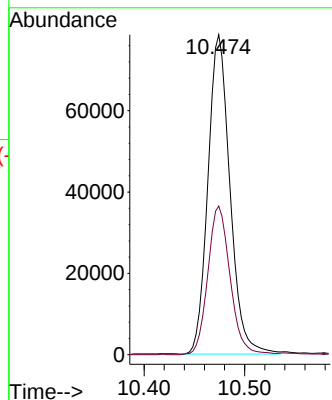
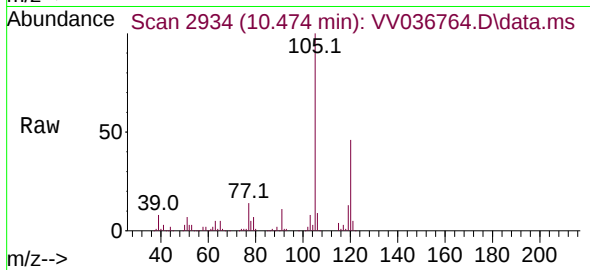
ClientSampleId :

Tgt Ion:105 Resp: 119693

Ion Ratio Lower Upper

105 100

120 47.0 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 9.874 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV036764.D

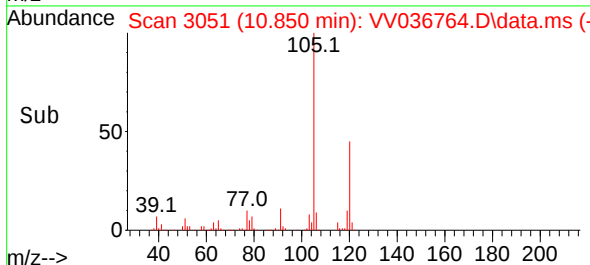
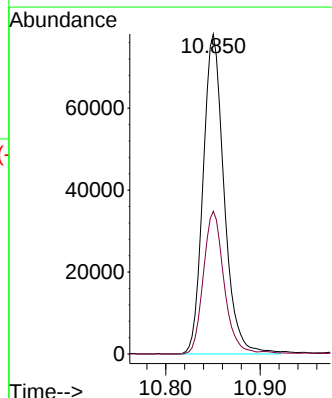
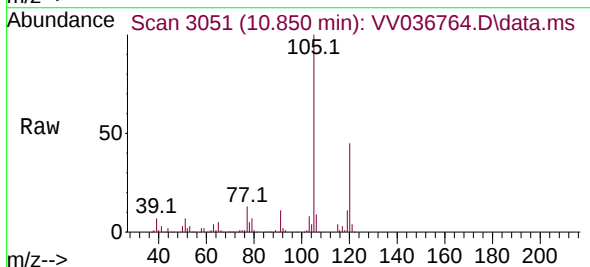
Acq: 02 Aug 2024 16:15

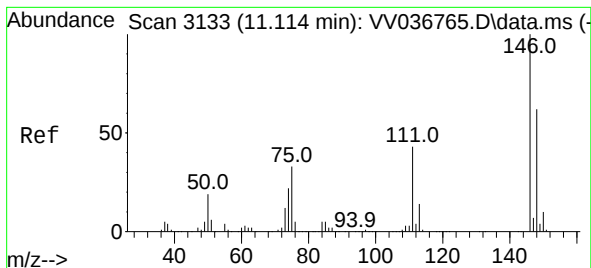
Tgt Ion:105 Resp: 120600

Ion Ratio Lower Upper

105 100

120 43.7 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 9.780 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :

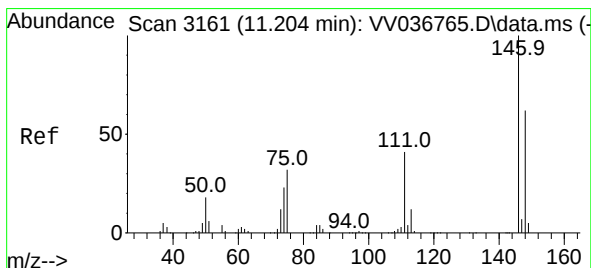
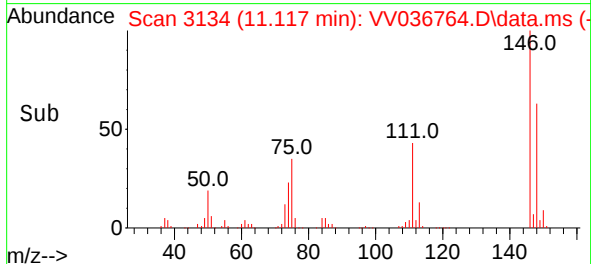
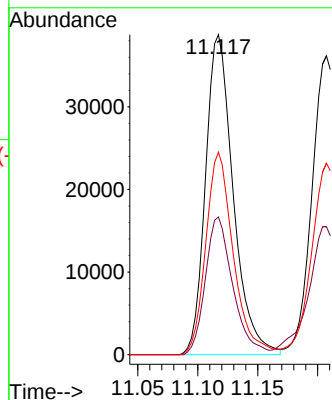
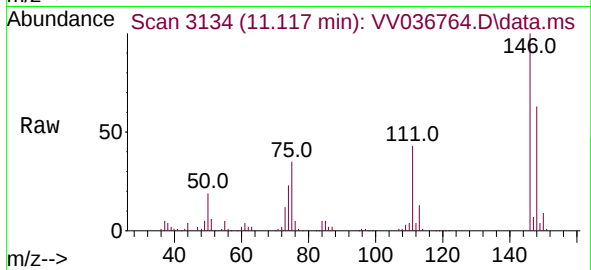
Tgt Ion:146 Resp: 62328

Ion Ratio Lower Upper

146 100

111 43.1 29.8 55.4

148 63.3 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 10.089 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

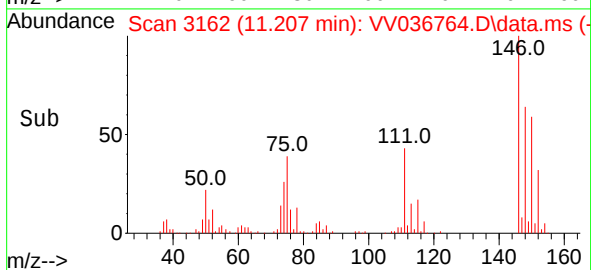
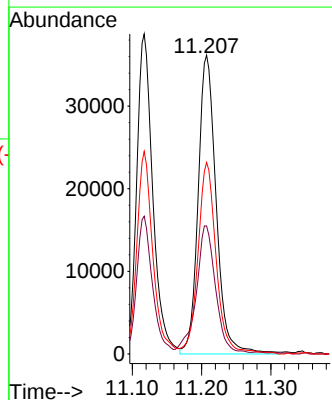
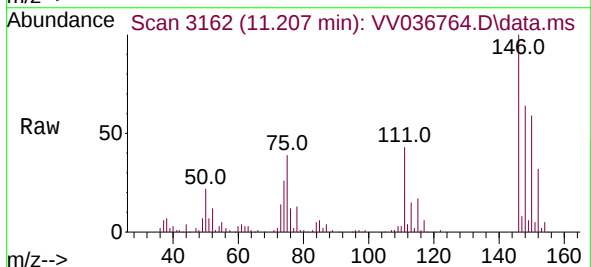
Tgt Ion:146 Resp: 65539

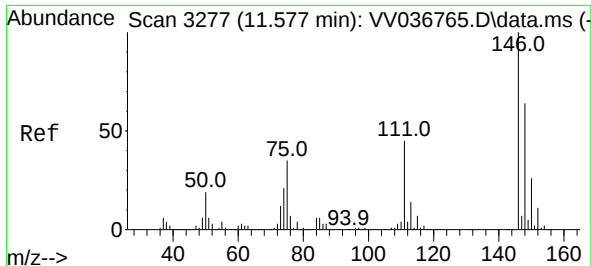
Ion Ratio Lower Upper

146 100

111 42.8 29.0 53.9

148 64.1 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 9.996 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :

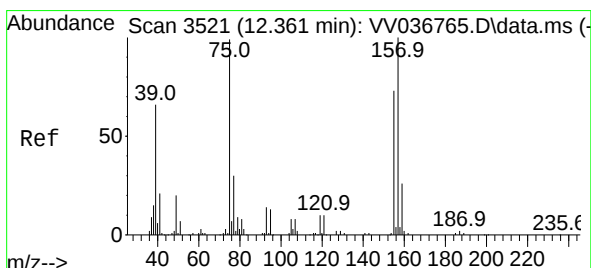
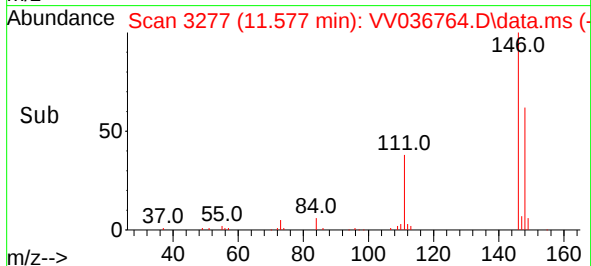
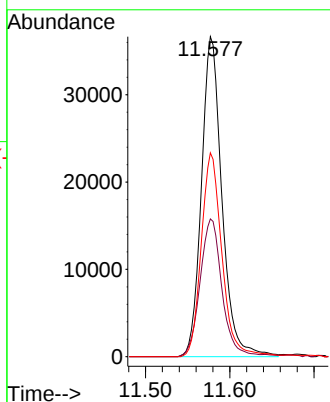
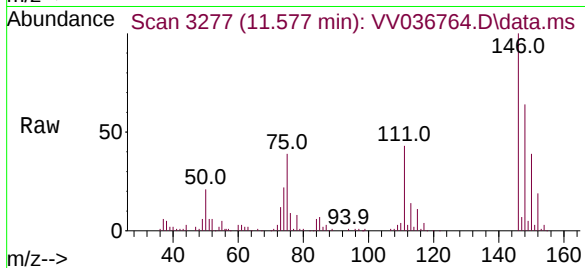
Tgt Ion:146 Resp: 62168

Ion Ratio Lower Upper

146 100

111 43.1 35.7 53.5

148 63.7 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 9.653 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

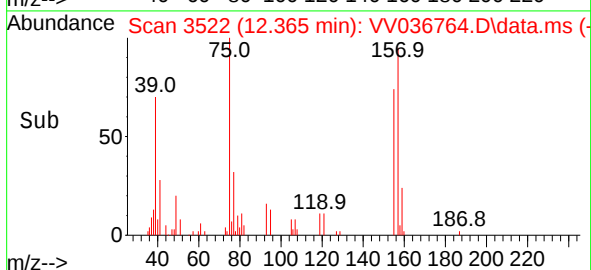
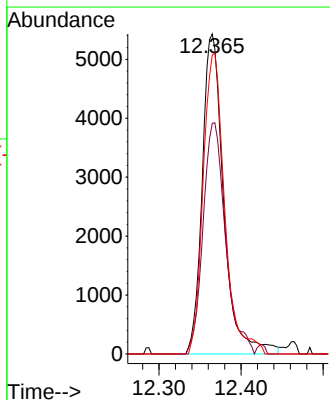
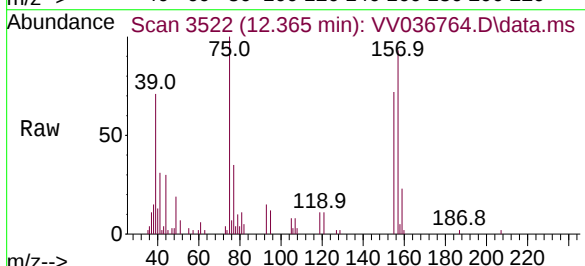
Tgt Ion: 75 Resp: 9846

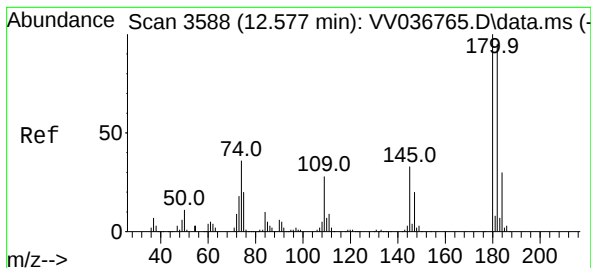
Ion Ratio Lower Upper

75 100

155 72.1 59.5 89.3

157 93.4 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 9.651 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

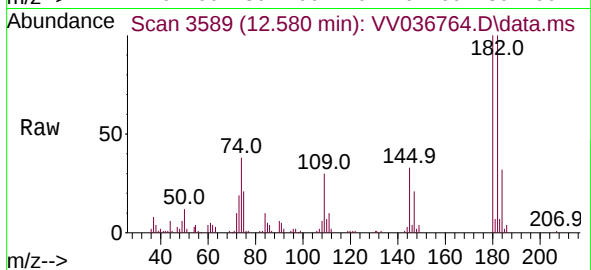
Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 42956

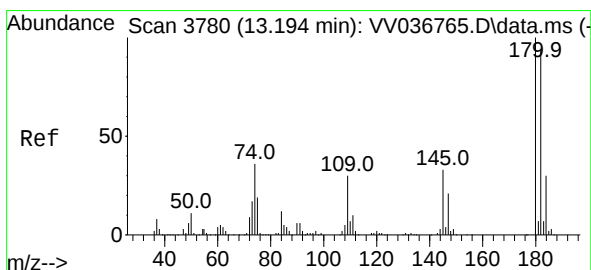
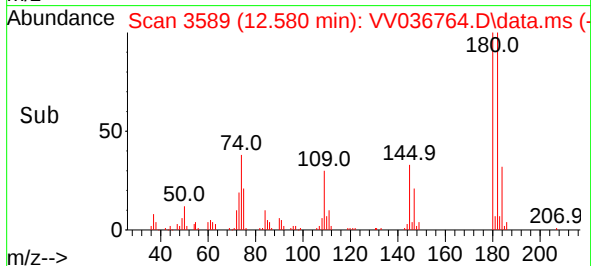
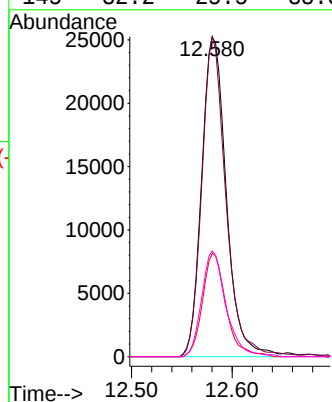
Ion Ratio Lower Upper

180 100

182 97.2 75.0 112.6

184 30.5 23.7 35.5

145 32.2 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 9.657 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

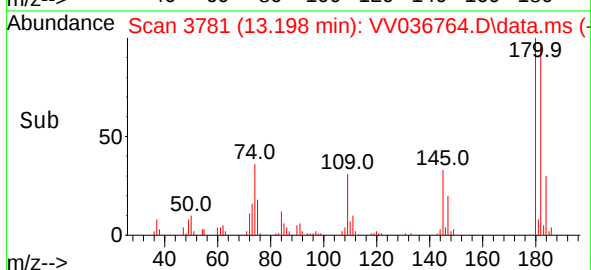
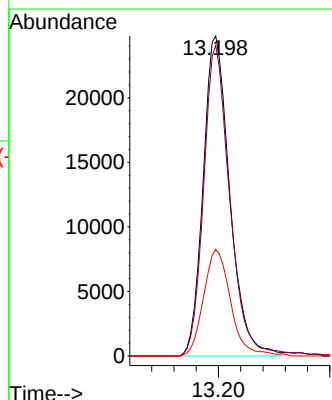
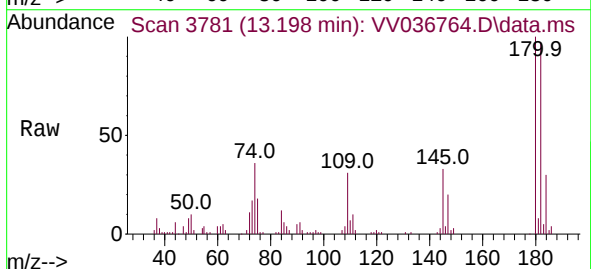
Tgt Ion:180 Resp: 41052

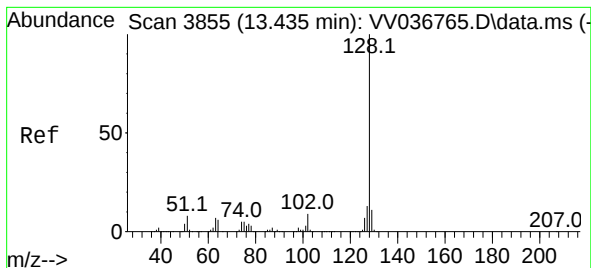
Ion Ratio Lower Upper

180 100

182 95.4 75.1 112.7

145 33.7 26.5 39.7





#71

Naphthalene

Concen: 10.015 ug/L

RT: 13.439 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :

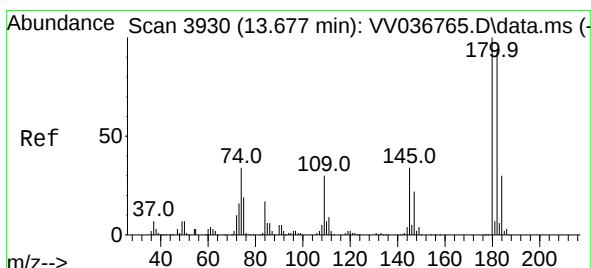
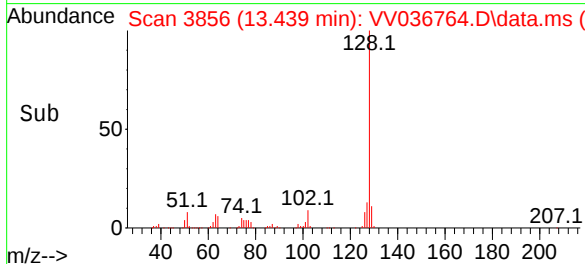
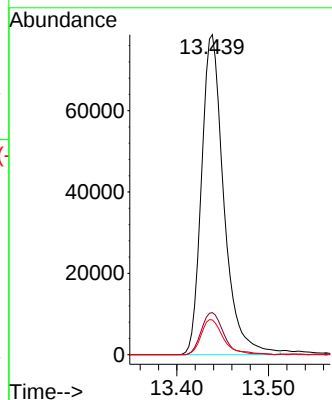
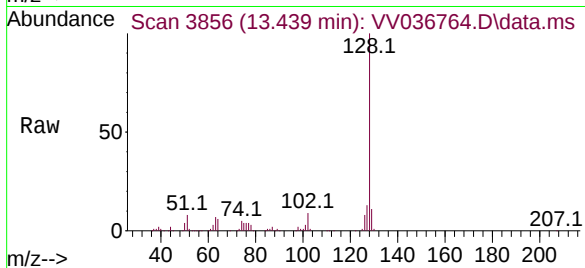
Tgt Ion:128 Resp: 133238

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 10.152 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036764.D

Acq: 02 Aug 2024 16:15

Tgt Ion:180 Resp: 41952

Ion Ratio Lower Upper

180 100

182 92.7 76.2 114.2

145 34.0 27.8 41.6

