

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072524\
 Data File : VW036671.D
 Acq On : 24 Jul 2024 18:11
 Operator : SY/MD
 Sample : VSTD100
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 25 02:28:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072424WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 25 02:25:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	363688	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	378215	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	226239	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	274608	97.915	ug/L	0.00
7) Chloroethane-d5	1.523	69	233517	137.941	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	128113	108.474	ug/L	0.00
21) 2-Butanone-d5	3.773	46	305300	211.111	ug/L	0.00
24) Chloroform-d	4.240	84	563228	114.850	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.934	65	340122	118.652	ug/L	0.00
32) Benzene-d6	4.953	84	1058392	108.922	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	295605	99.901	ug/L	0.00
41) Toluene-d8	7.236	98	1069333	120.007	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.545	79	170822	120.559	ug/L	0.00
47) 2-Hexanone-d5	8.018	63	263679	292.116	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	452255	106.252	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	479083	120.093	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	344994	124.453	ug/L	100
3) Chloromethane	1.214	50	247410	93.877	ug/L	99
5) Vinyl chloride	1.278	62	313003	109.688	ug/L	100
6) Bromomethane	1.471	94	269125	147.487	ug/L	99
8) Chloroethane	1.539	64	204938	152.106	ug/L	99
9) Trichlorofluoromethane	1.706	101	548489	134.106	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	324275	128.315	ug/L	99
12) 1,1-Dichloroethene	2.063	96	296650	131.150	ug/L	91
13) Acetone	2.108	43	248595	151.336	ug/L	100
14) Carbon disulfide	2.233	76	754321	122.542	ug/L	99
15) Methyl Acetate	2.365	43	224567	87.243	ug/L	99
16) Methylene chloride	2.439	84	294637	108.042	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	290688	122.868	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	843857	110.811	ug/L	99
19) 1,1-Dichloroethane	3.105	63	462921	99.359	ug/L	99
20) cis-1,2-Dichloroethene	3.806	96	330471	125.530	ug/L	99
22) 2-Butanone	3.854	43	320633	174.046	ug/L	99
23) Bromochloromethane	4.137	128	186658	124.095	ug/L	98
25) Chloroform	4.269	83	557536	112.240	ug/L	99
27) 1,2-Dichloroethane	5.034	62	419344	115.233	ug/L	99
29) Cyclohexane	4.574	56	359188	107.206	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	512970	116.989	ug/L	100
31) Carbon tetrachloride	4.728	117	477659	122.840	ug/L	99
33) Benzene	5.002	78	1103319	109.536	ug/L	100
34) Trichloroethene	5.825	95	360853	126.069	ug/L	99
35) Methylcyclohexane	6.043	83	477496	120.504	ug/L	99
37) 1,2-Dichloropropane	6.088	63	259009	94.952	ug/L	98
38) Bromodichloromethane	6.426	83	423205	110.369	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	488723	117.637	ug/L	98
40) 4-Methyl-2-pentanone	7.149	43	635159	198.352	ug/L	98
42) Toluene	7.310	91	1293942	121.192	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	473133	118.943	ug/L	100

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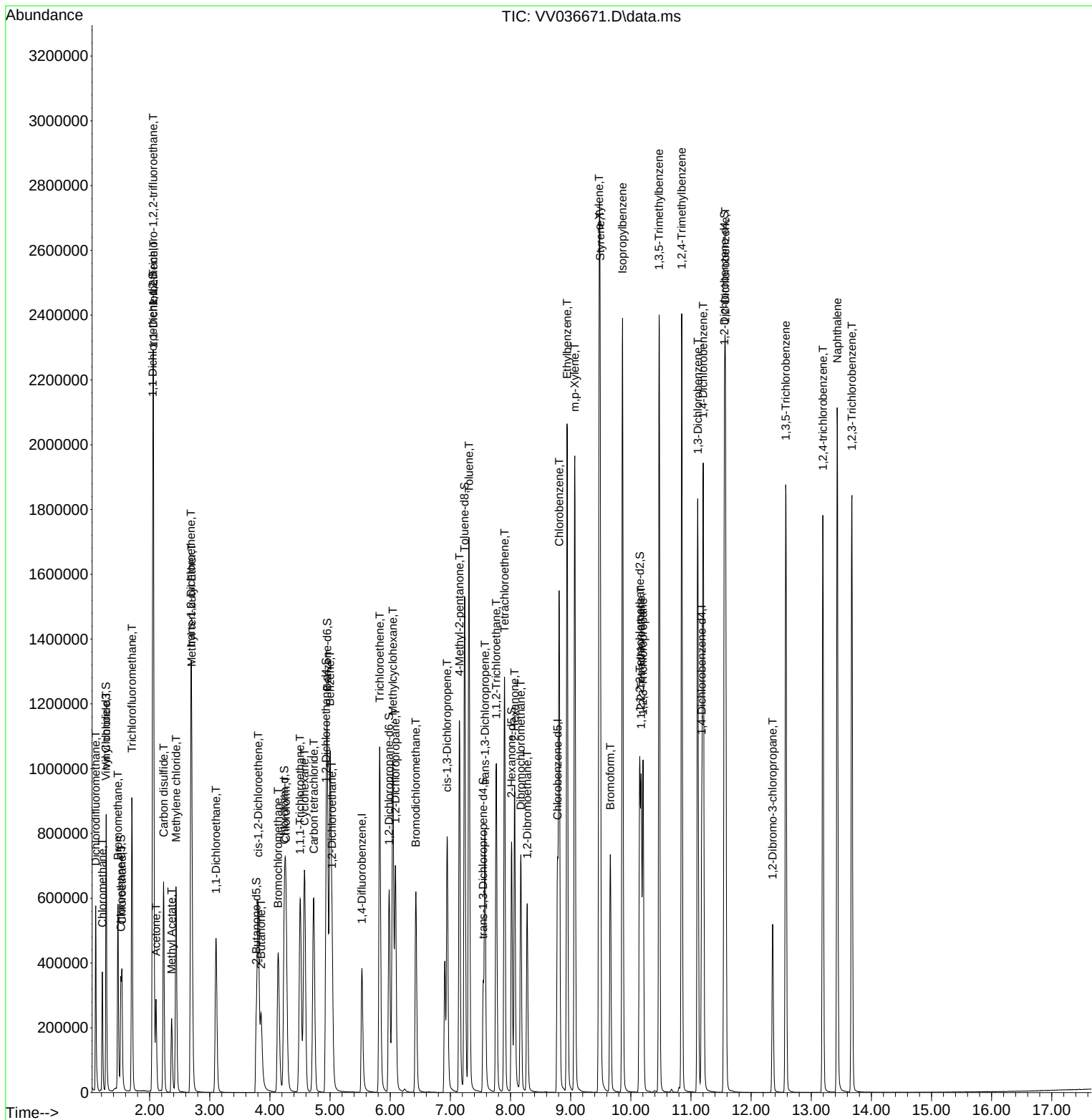
Instrument :
 MSVOA_V
 ClientSampleId :

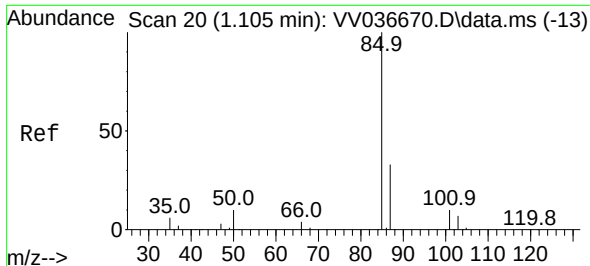
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.764	97	326083	110.079	ug/L	99
46) Tetrachloroethene	7.902	164	308891	136.242	ug/L	99
48) 2-Hexanone	8.069	43	512664	190.268	ug/L	99
49) Dibromochloromethane	8.172	129	383145	123.267	ug/L	97
50) 1,2-Dibromoethane	8.278	107	376953	122.912	ug/L	98
51) Chlorobenzene	8.809	112	894593	118.129	ug/L	99
52) Ethylbenzene	8.940	91	1434336	123.497	ug/L	99
53) m,p-Xylene	9.069	106	578562	130.407	ug/L	99
54) o-Xylene	9.474	106	560875	129.443	ug/L	99
55) Styrene	9.490	104	989751	132.390	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	431957	94.356	ug/L	99
59) Bromoform	9.661	173	338911	122.975	ug/L	100
60) Isopropylbenzene	9.863	105	1515193	117.189	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	394369	95.073	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	1265417	122.249	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	1277820	125.788	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	796187	117.442	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	817273	114.653	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	804785	116.483	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.358	75	123533	125.071	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	620257	127.801	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	565194	143.389	ug/L	100
71) Naphthalene	13.432	128	1680462	180.829	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	598125	151.346	ug/L	99

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

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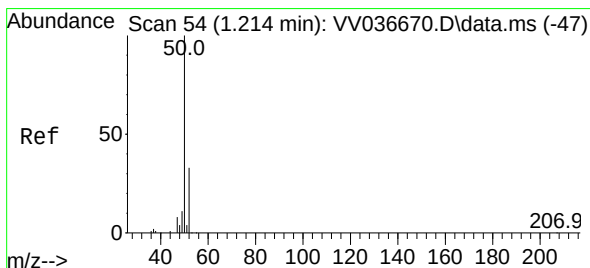
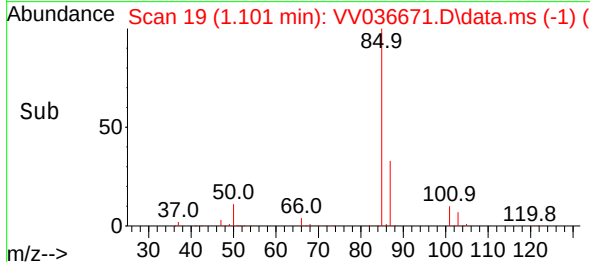
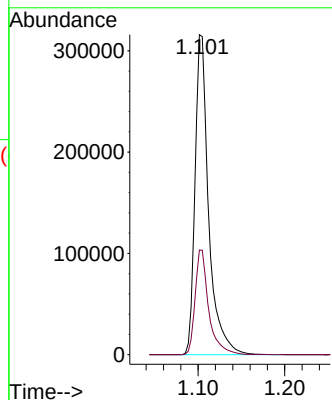
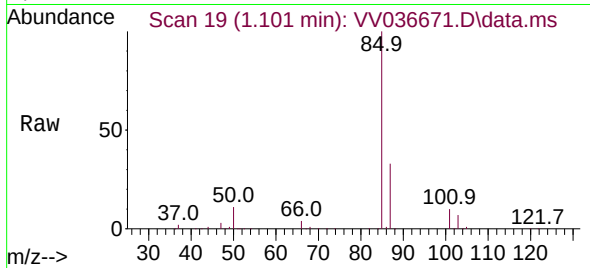




#2
 Dichlorodifluoromethane
 Concen: 124.453 ug/L
 RT: 1.101 min Scan# 10
 Delta R.T. -0.003 min
 Lab File: VV036671.D
 Acq: 24 Jul 2024 18:11

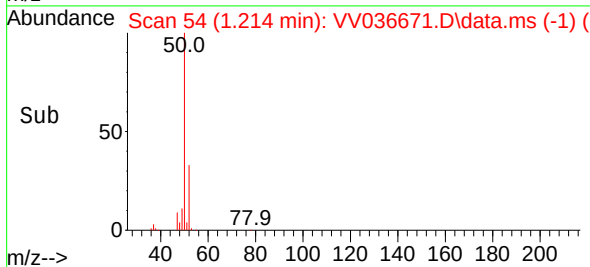
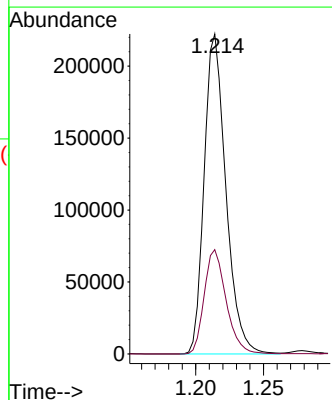
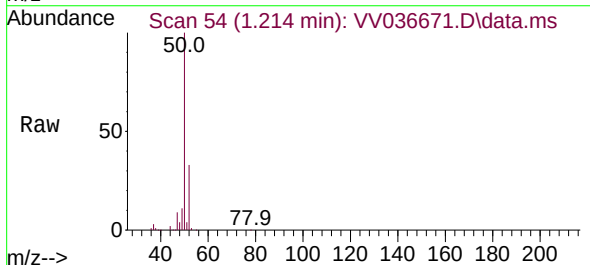
Instrument :
 MSVOA_V
 ClientSampleId :

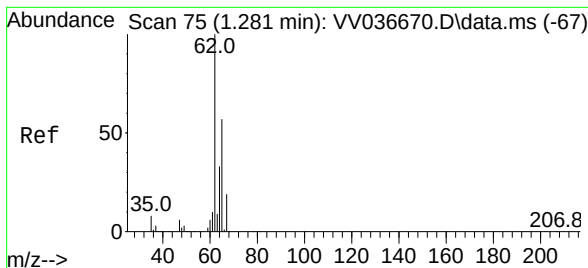
Tgt Ion: 85 Resp: 344994
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.4 39.6



#3
 Chloromethane
 Concen: 93.877 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV036671.D
 Acq: 24 Jul 2024 18:11

Tgt Ion: 50 Resp: 247410
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.2 43.0





#5

Vinyl chloride

Concen: 109.688 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

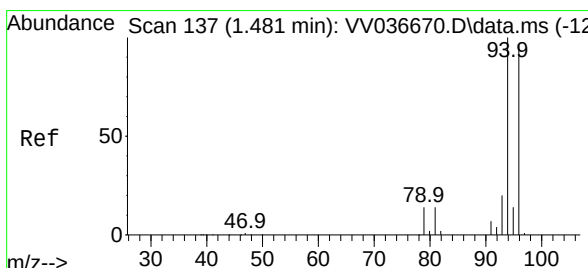
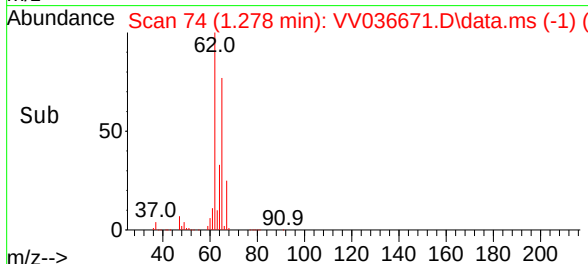
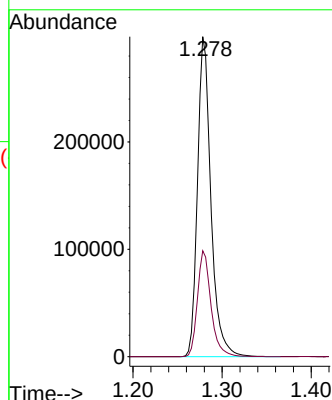
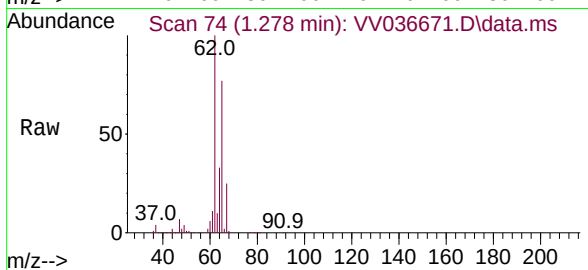
ClientSampleId :

Tgt Ion: 62 Resp: 313003

Ion Ratio Lower Upper

62 100

64 33.1 23.1 42.9



#6

Bromomethane

Concen: 147.487 ug/L

RT: 1.471 min Scan# 134

Delta R.T. -0.009 min

Lab File: VV036671.D

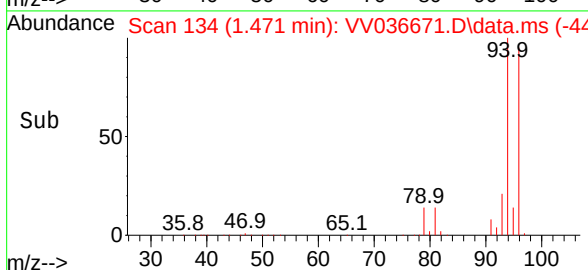
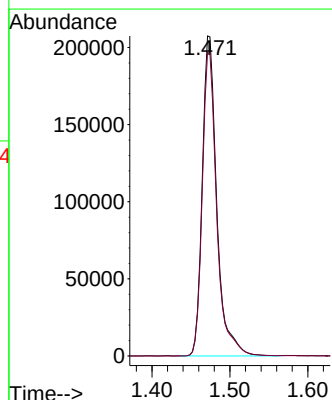
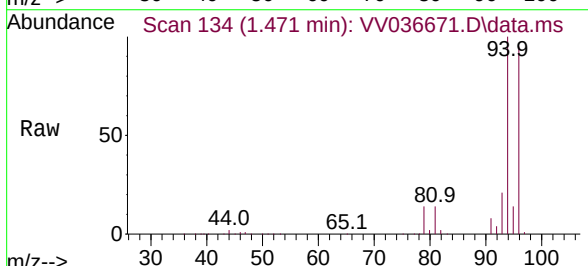
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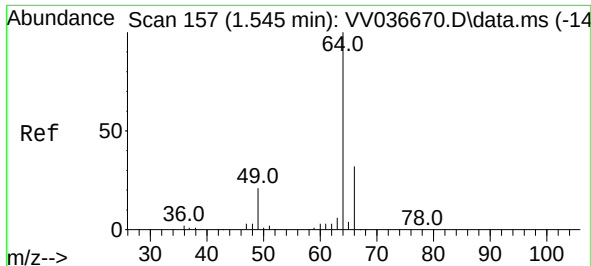
Tgt Ion: 94 Resp: 269125

Ion Ratio Lower Upper

94 100

96 94.8 66.8 124.2

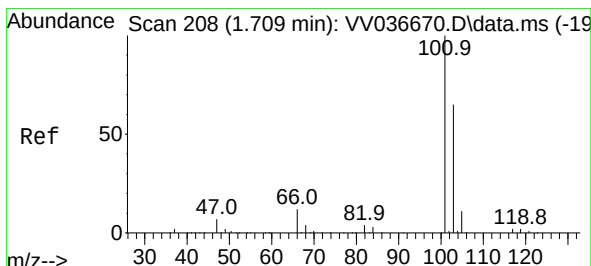
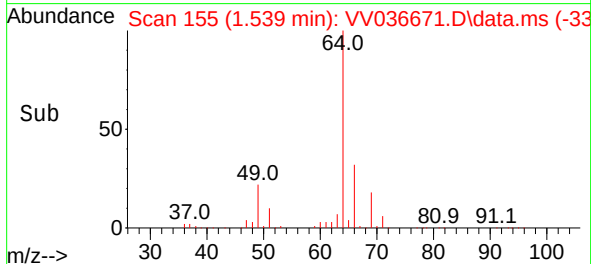
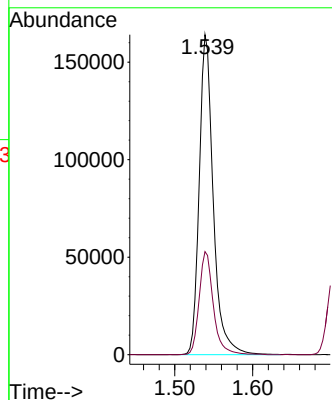
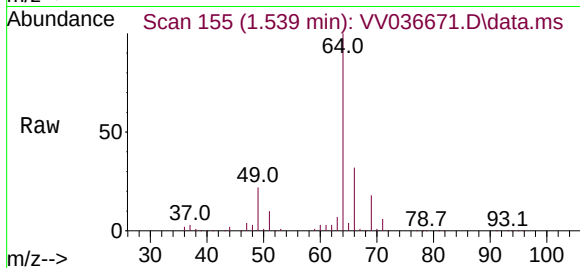




#8
Chloroethane
Concen: 152.106 ug/L
RT: 1.539 min Scan# 155
Delta R.T. -0.006 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

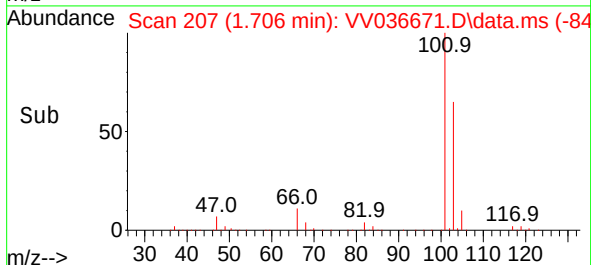
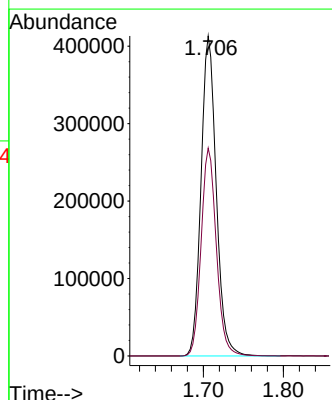
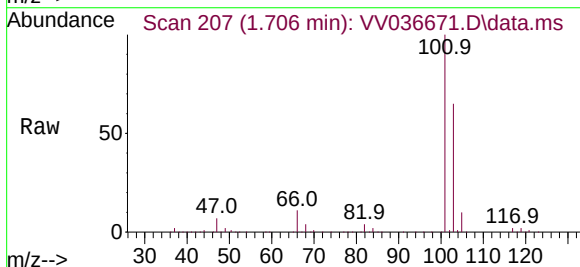
Instrument :
MSVOA_V
ClientSampleId :

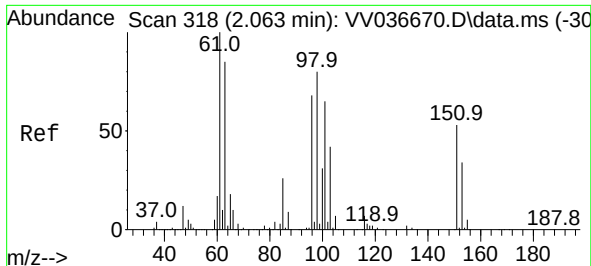
Tgt Ion: 64 Resp: 204938
Ion Ratio Lower Upper
64 100
66 32.2 22.8 42.4



#9
Trichlorofluoromethane
Concen: 134.106 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.003 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

Tgt Ion:101 Resp: 548489
Ion Ratio Lower Upper
101 100
103 65.0 52.2 78.4

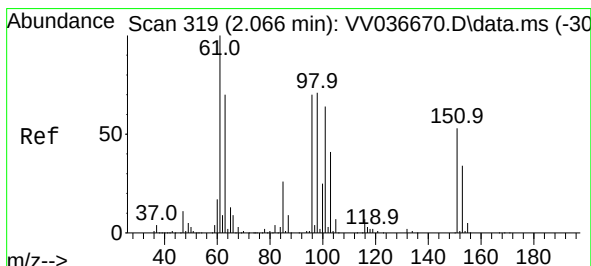
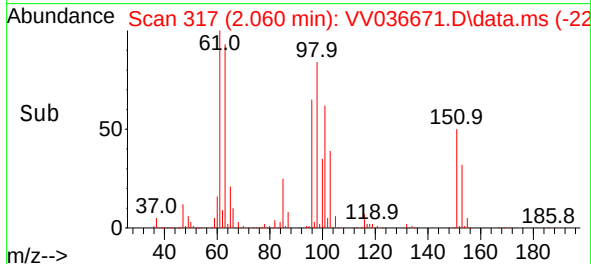
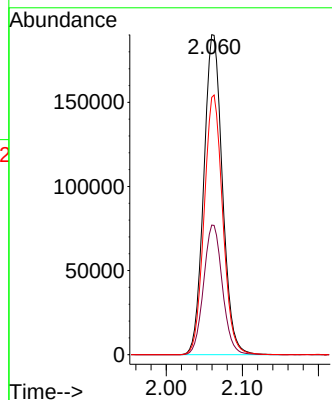
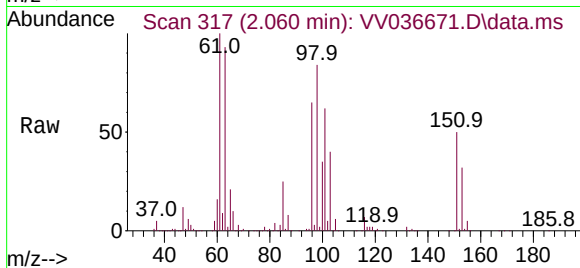




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 128.315 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

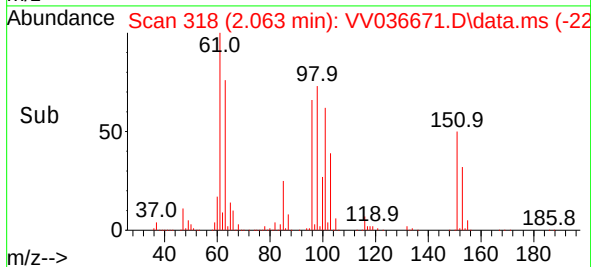
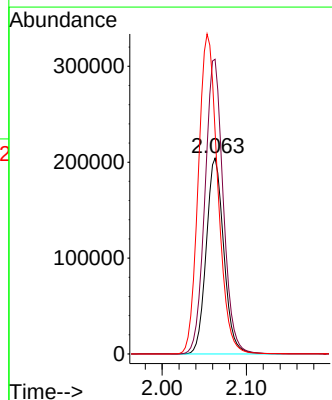
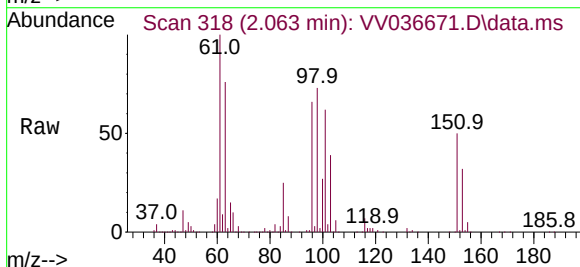
Instrument :
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ClientSampleId :

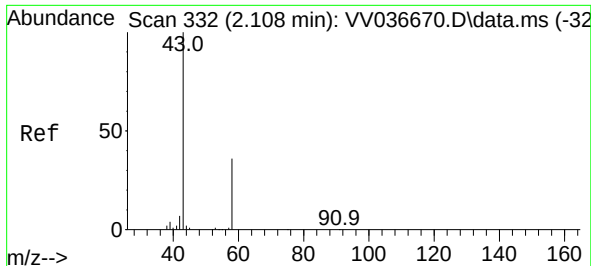
Tgt Ion:101 Resp: 324275
Ion Ratio Lower Upper
101 100
85 40.8 32.4 48.6
151 80.9 65.7 98.5



#12
1,1-Dichloroethene
Concen: 131.150 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.003 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

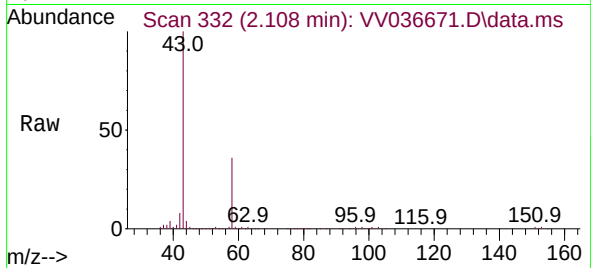
Tgt Ion: 96 Resp: 296650
Ion Ratio Lower Upper
96 100
61 150.5 100.4 186.4
63 113.7 70.8 131.4



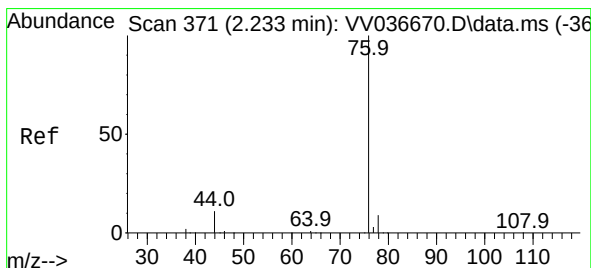
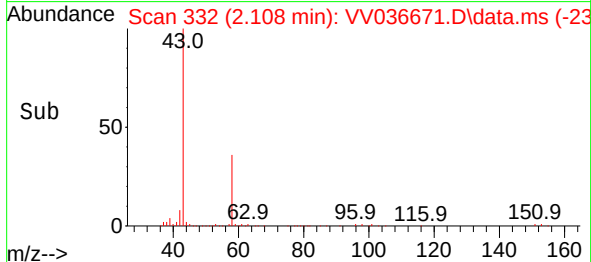
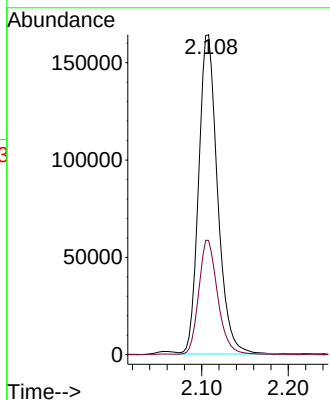


#13
Acetone
Concen: 151.336 ug/L
RT: 2.108 min Scan# 332
Delta R.T. 0.000 min
Lab File: VV036671.D
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Instrument :
MSVOA_V
ClientSampleId :

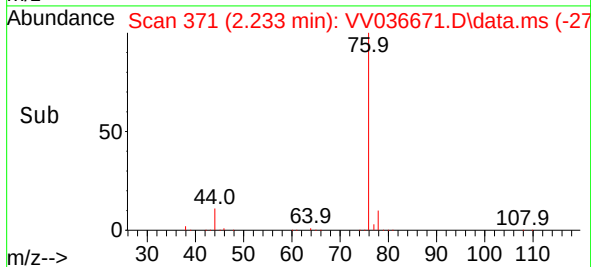
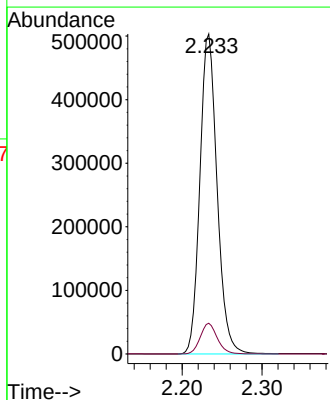
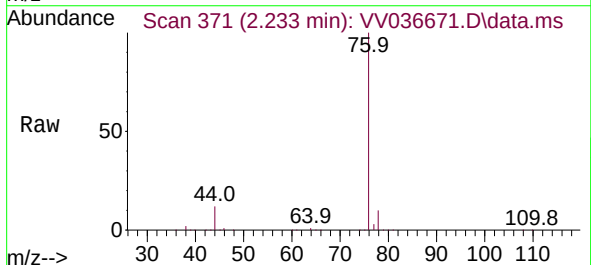


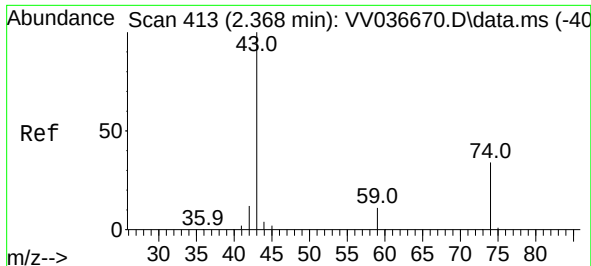
Tgt Ion: 43 Resp: 248595
Ion Ratio Lower Upper
43 100
58 36.0 0.0 72.4



#14
Carbon disulfide
Concen: 122.542 ug/L
RT: 2.233 min Scan# 371
Delta R.T. 0.000 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

Tgt Ion: 76 Resp: 754321
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2





#15

Methyl Acetate

Concen: 87.243 ug/L

RT: 2.365 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

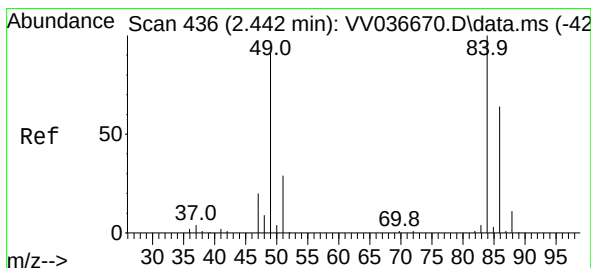
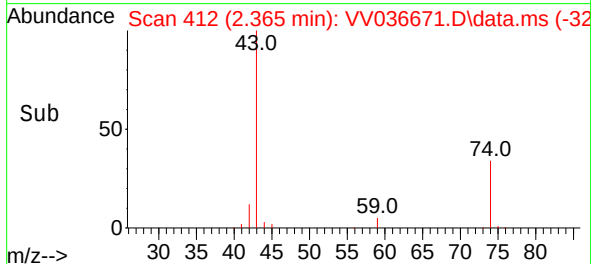
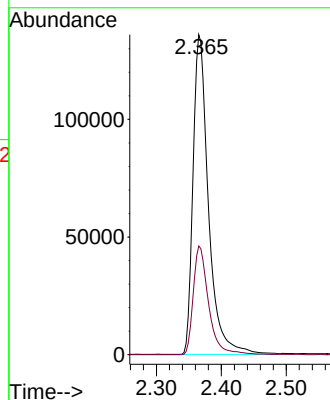
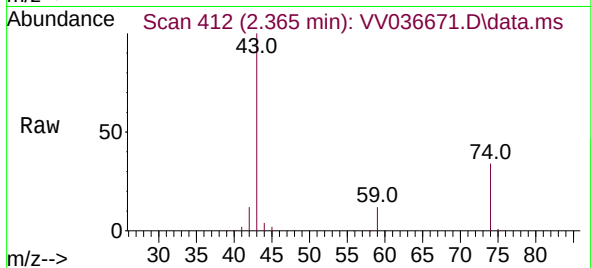
ClientSampleId :

Tgt Ion: 43 Resp: 224567

Ion Ratio Lower Upper

43 100

74 33.7 26.5 39.7



#16

Methylene chloride

Concen: 108.042 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

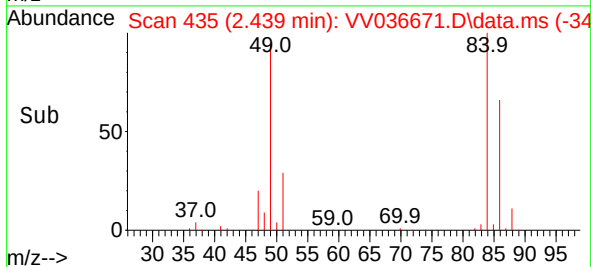
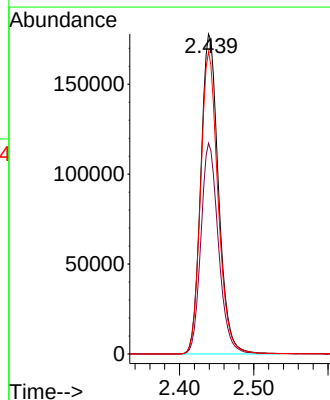
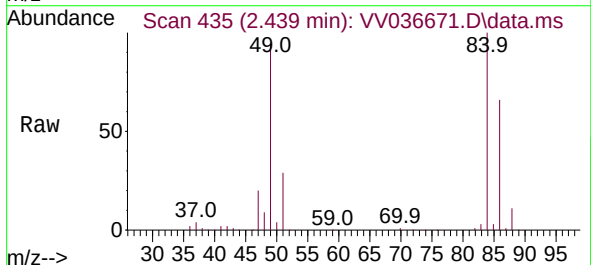
Tgt Ion: 84 Resp: 294637

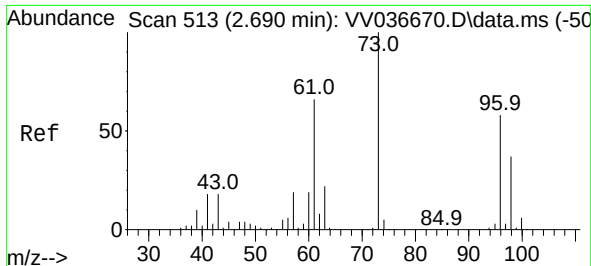
Ion Ratio Lower Upper

84 100

86 65.9 45.1 83.9

49 94.5 63.3 117.7





#17

trans-1,2-Dichloroethene

Concen: 122.868 ug/L

RT: 2.687 min Scan# 513

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

ClientSampleId :

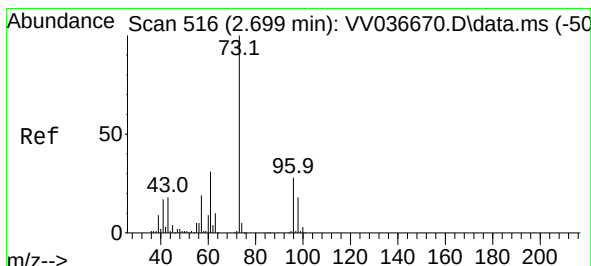
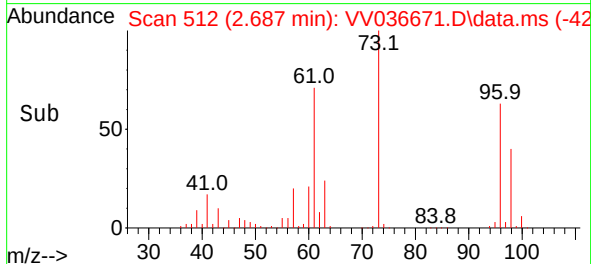
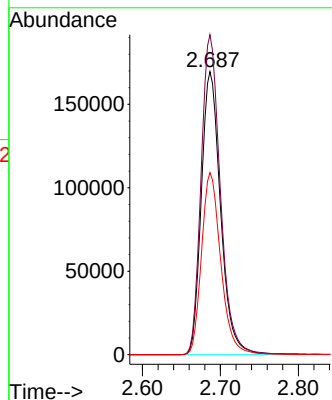
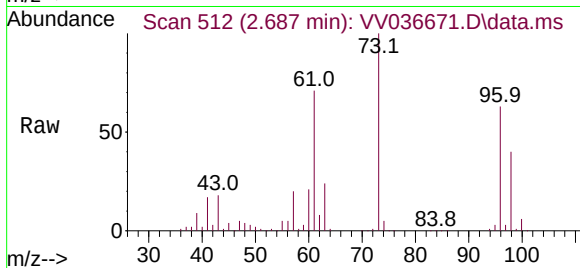
Tgt Ion: 96 Resp: 290688

Ion Ratio Lower Upper

96 100

61 113.1 80.2 148.9

98 64.3 44.5 82.7



#18

Methyl tert-butyl Ether

Concen: 110.811 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

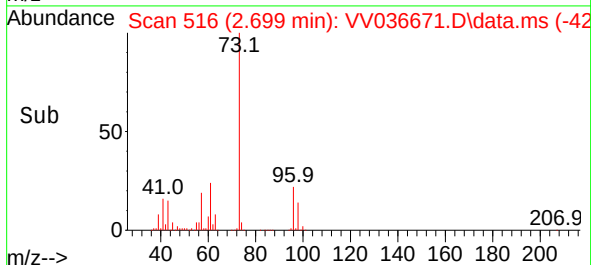
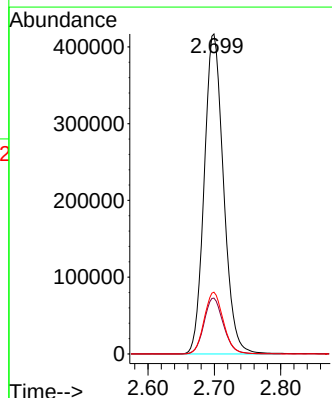
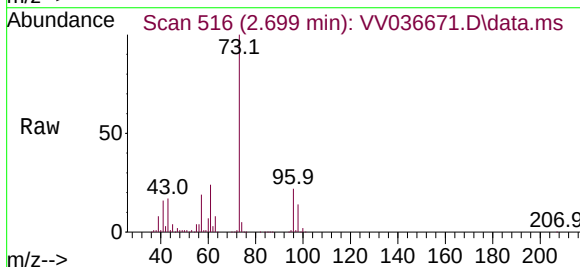
Tgt Ion: 73 Resp: 843857

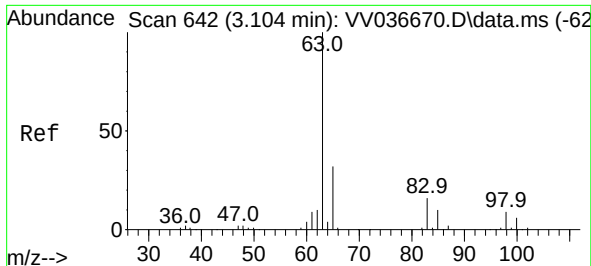
Ion Ratio Lower Upper

73 100

43 17.5 14.3 21.5

57 19.2 15.2 22.8





#19

1,1-Dichloroethane

Concen: 99.359 ug/L

RT: 3.105 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

ClientSampleId :

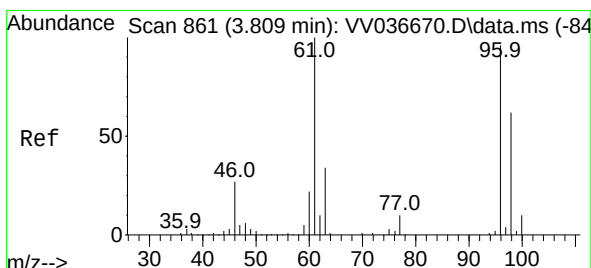
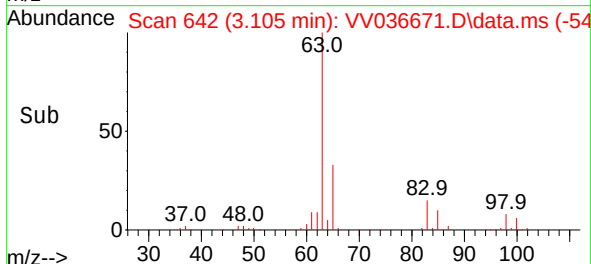
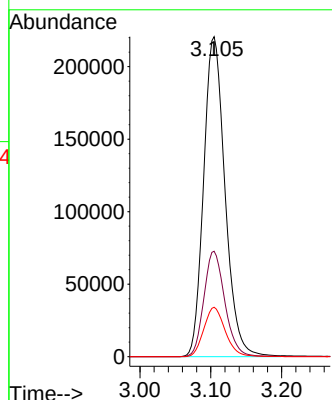
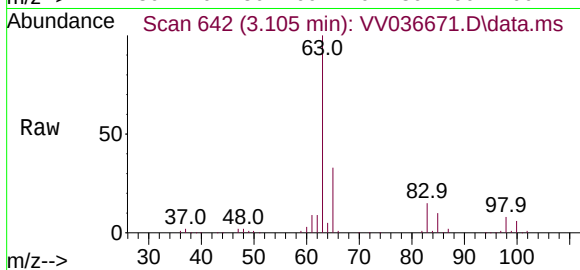
Tgt Ion: 63 Resp: 462921

Ion Ratio Lower Upper

63 100

65 33.0 22.7 42.3

83 15.4 11.0 20.4



#20

cis-1,2-Dichloroethene

Concen: 125.530 ug/L

RT: 3.806 min Scan# 860

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

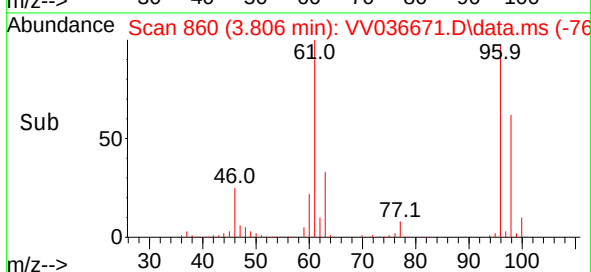
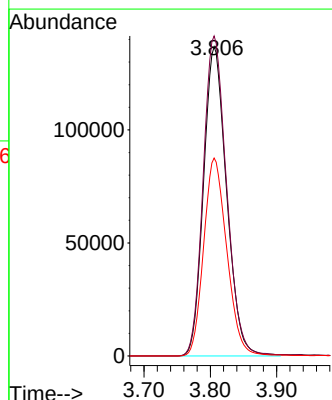
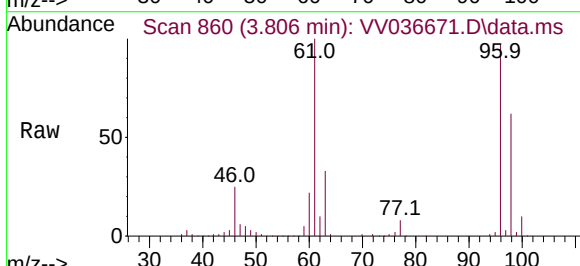
Tgt Ion: 96 Resp: 330471

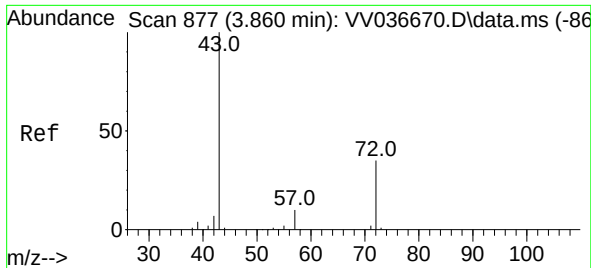
Ion Ratio Lower Upper

96 100

61 103.5 73.4 136.2

98 64.0 45.2 84.0

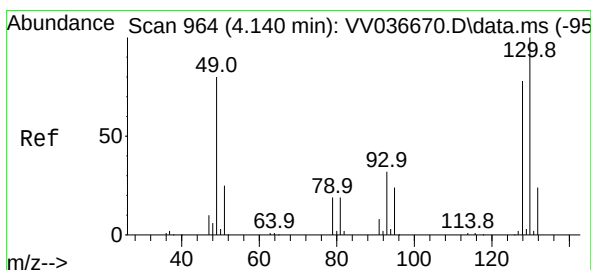
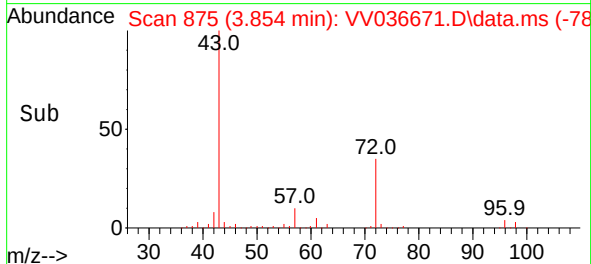
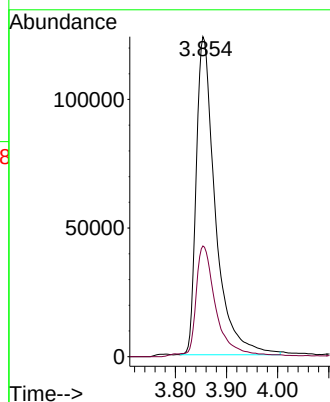
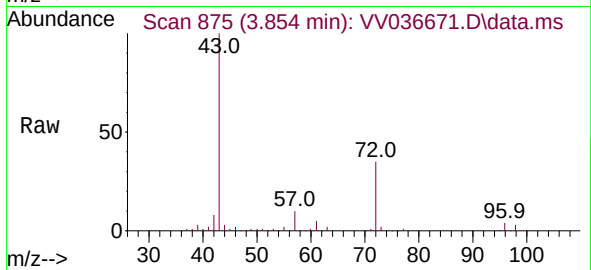




#22
2-Butanone
Concen: 174.046 ug/L
RT: 3.854 min Scan# 81
Delta R.T. -0.006 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

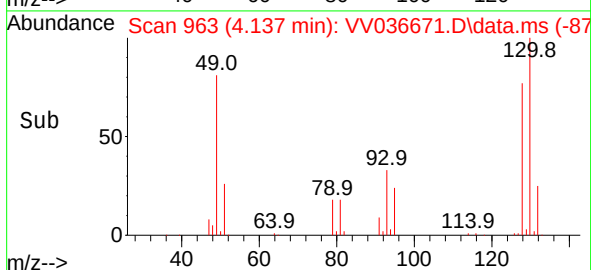
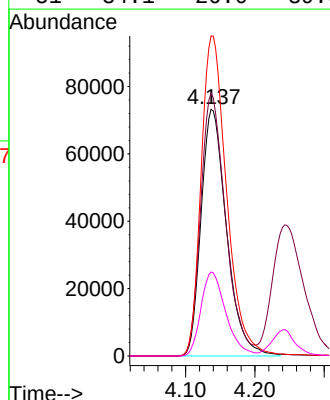
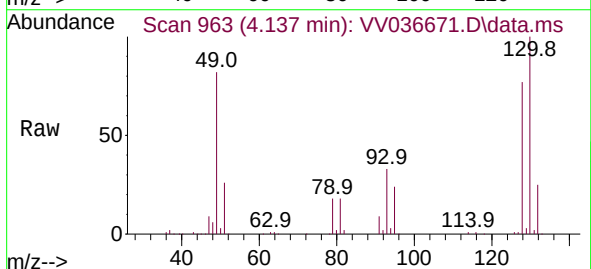
Instrument :
MSVOA_V
ClientSampleId :

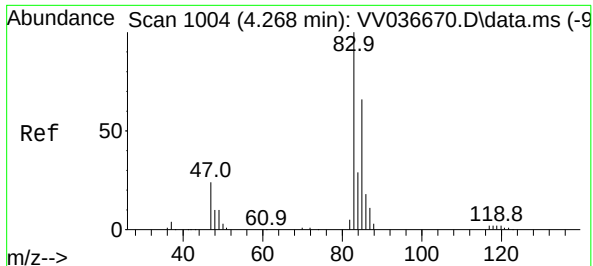
Tgt Ion: 43 Resp: 320633
Ion Ratio Lower Upper
43 100
72 34.0 17.2 51.6



#23
Bromochloromethane
Concen: 124.095 ug/L
RT: 4.137 min Scan# 963
Delta R.T. -0.003 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

Tgt Ion:128 Resp: 186658
Ion Ratio Lower Upper
128 100
49 106.5 72.2 134.0
130 129.7 90.2 167.6
51 34.1 26.0 39.0





#25

Chloroform

Concen: 112.240 ug/L

RT: 4.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

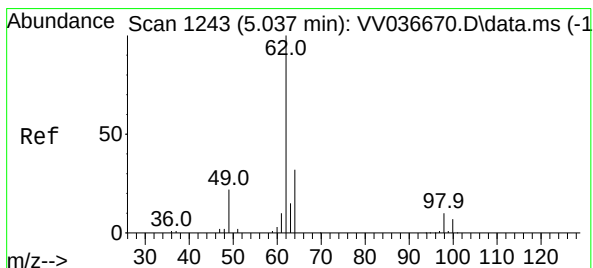
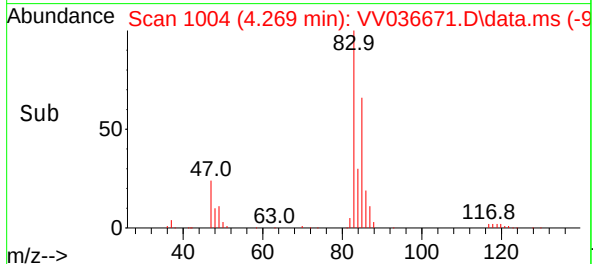
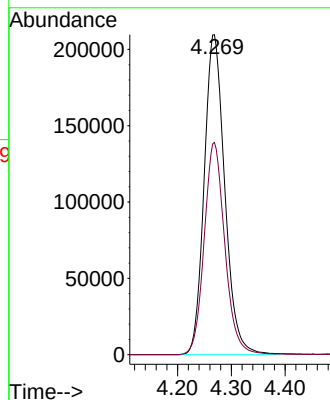
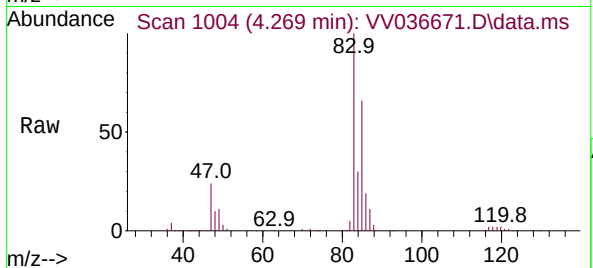
ClientSampleId :

Tgt Ion: 83 Resp: 557536

Ion Ratio Lower Upper

83 100

85 66.3 46.0 85.4



#27

1,2-Dichloroethane

Concen: 115.233 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VV036671.D

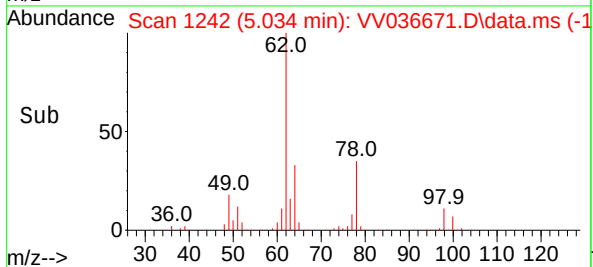
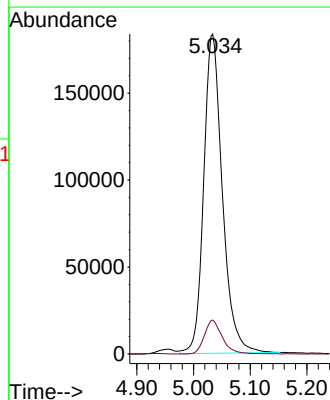
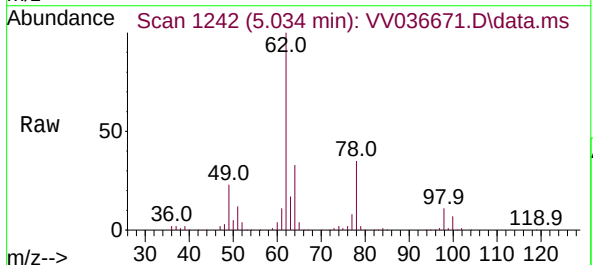
Acq: 24 Jul 2024 18:11

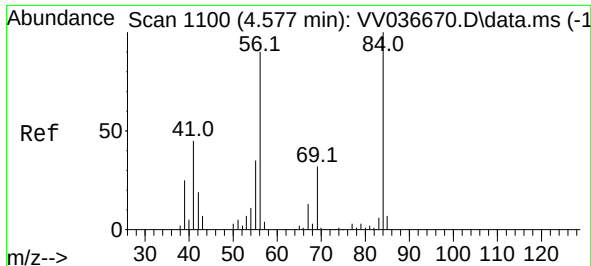
Tgt Ion: 62 Resp: 419344

Ion Ratio Lower Upper

62 100

98 10.6 8.3 12.5





#29

Cyclohexane

Concen: 107.206 ug/L

RT: 4.574 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

ClientSampleId :

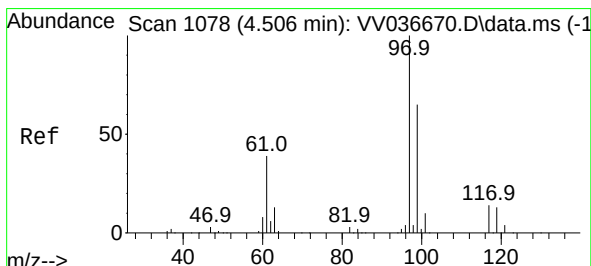
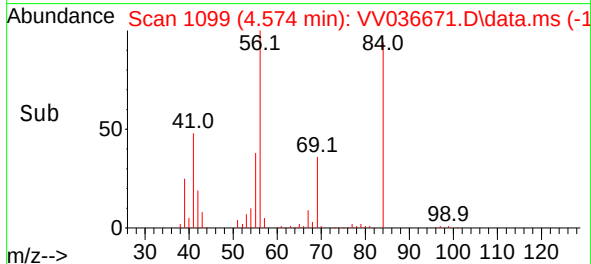
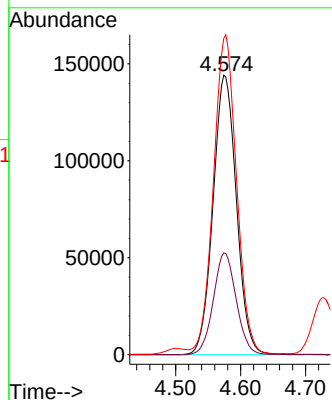
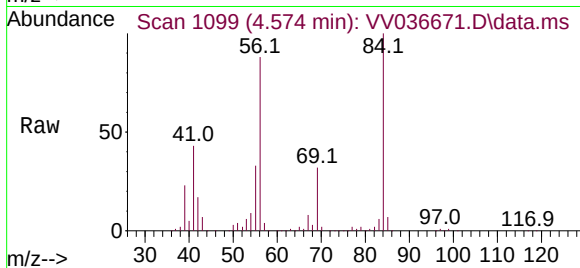
Tgt Ion: 56 Resp: 359188

Ion Ratio Lower Upper

56 100

69 35.7 28.8 43.2

84 112.7 90.5 135.7



#30

1,1,1-Trichloroethane

Concen: 116.989 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

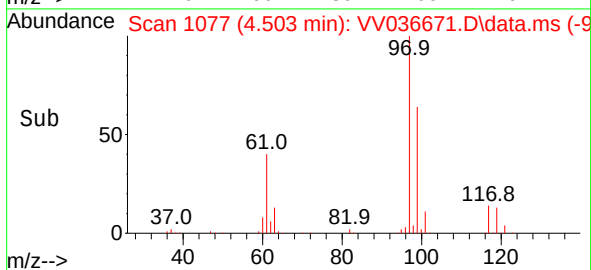
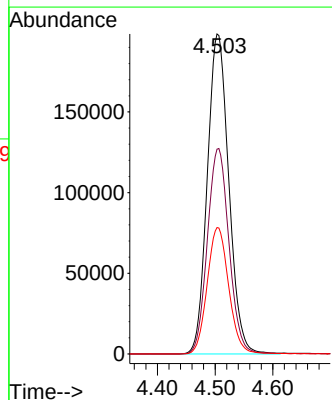
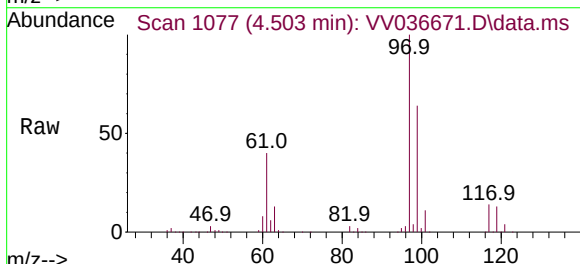
Tgt Ion: 97 Resp: 512970

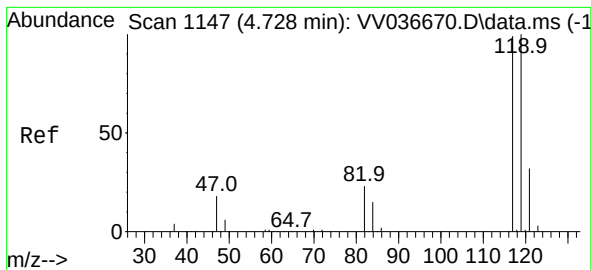
Ion Ratio Lower Upper

97 100

99 64.6 52.1 78.1

61 39.5 31.6 47.4





#31

Carbon tetrachloride

Concen: 122.840 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. 0.000 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

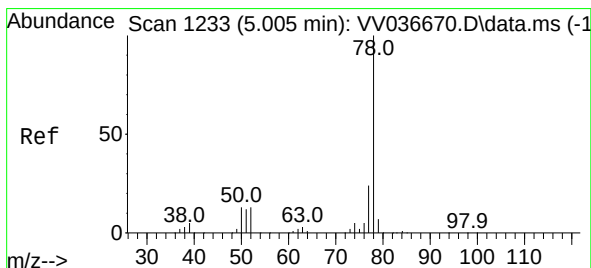
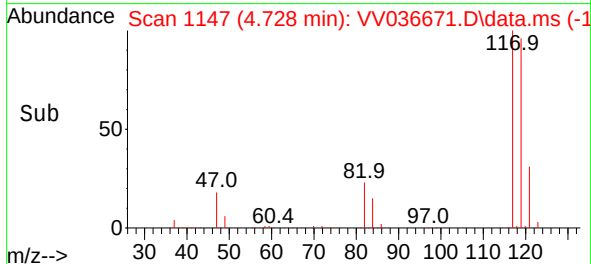
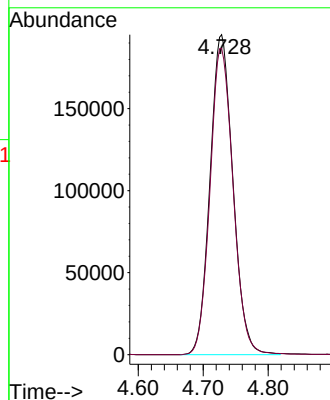
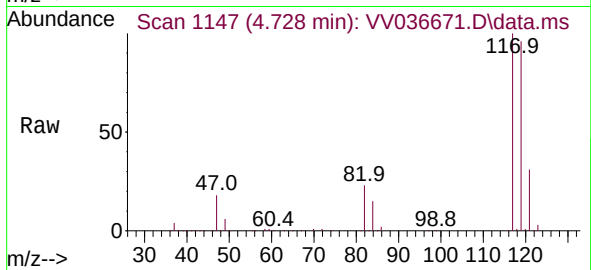
ClientSampleId :

Tgt Ion:117 Resp: 477659

Ion Ratio Lower Upper

117 100

119 96.6 77.9 116.9



#33

Benzene

Concen: 109.536 ug/L

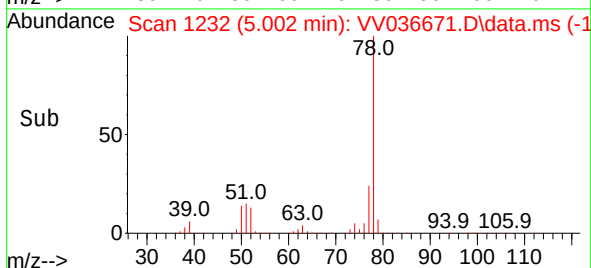
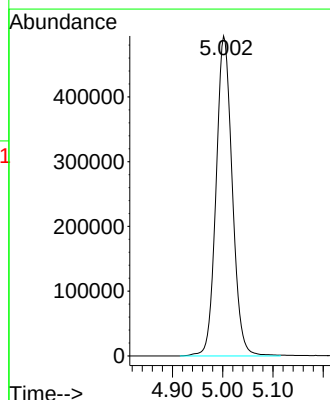
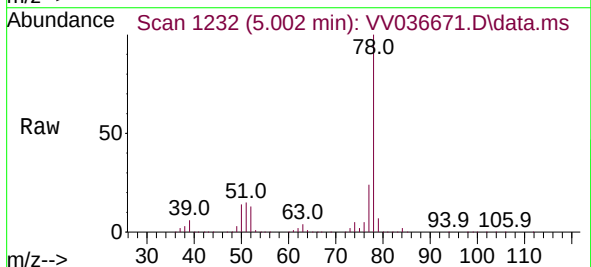
RT: 5.002 min Scan# 1232

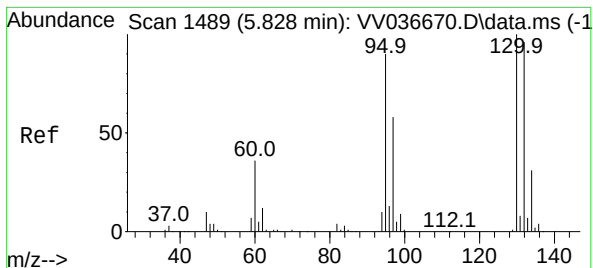
Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Tgt Ion: 78 Resp: 1103319





#34

Trichloroethene

Concen: 126.069 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 360853

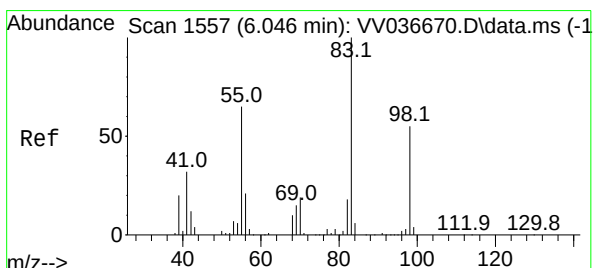
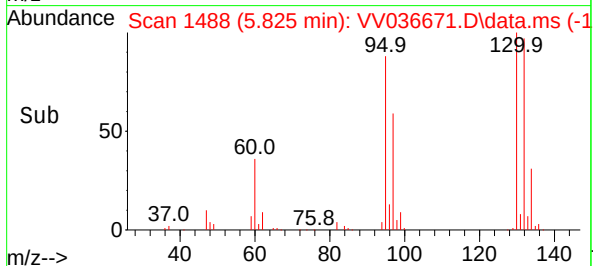
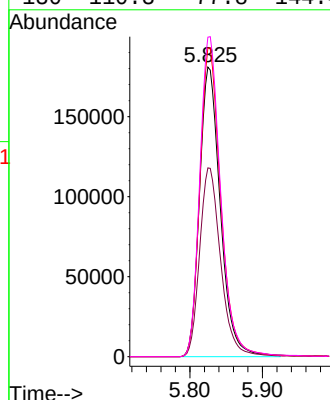
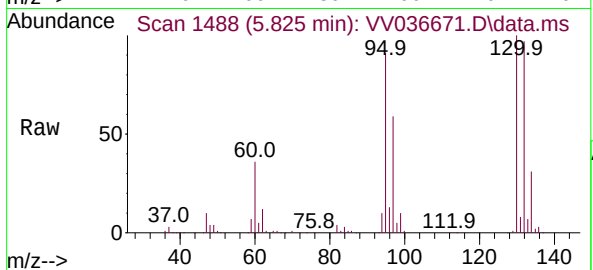
Ion Ratio Lower Upper

95 100

97 65.2 44.7 83.1

132 106.6 74.3 138.1

130 110.3 77.8 144.4



#35

Methylcyclohexane

Concen: 120.504 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

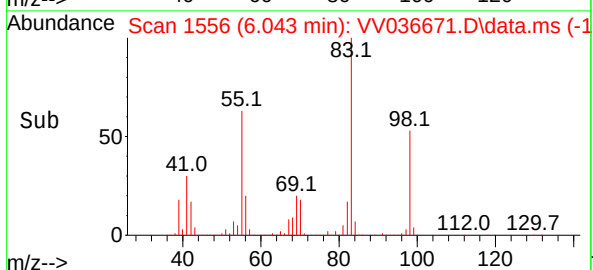
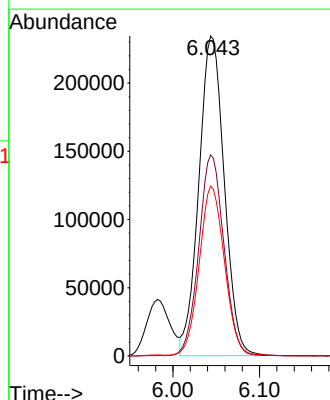
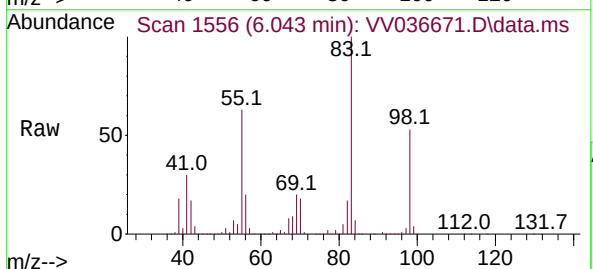
Tgt Ion: 83 Resp: 477496

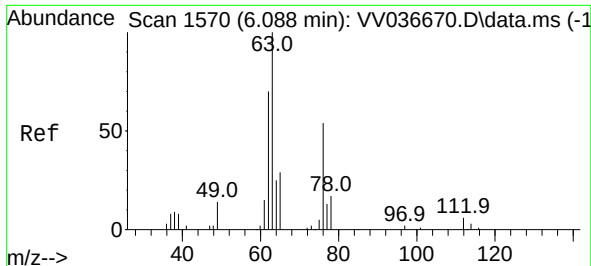
Ion Ratio Lower Upper

83 100

55 62.2 49.9 74.9

98 53.1 41.6 62.4

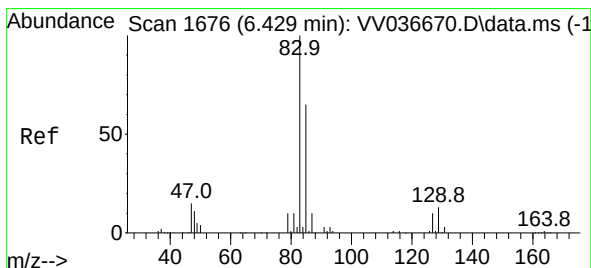
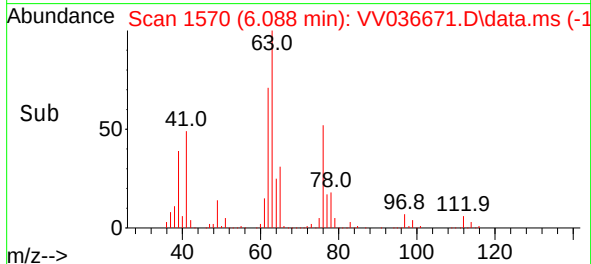
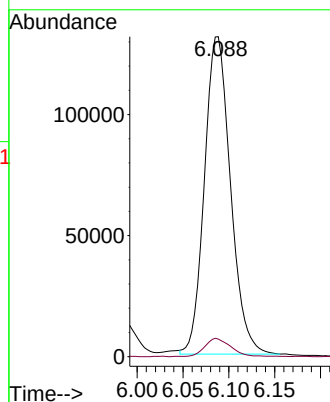
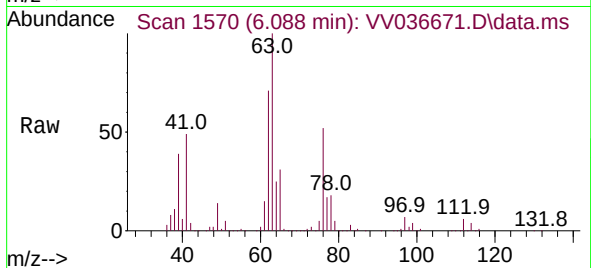




#37
1,2-Dichloropropane
Concen: 94.952 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

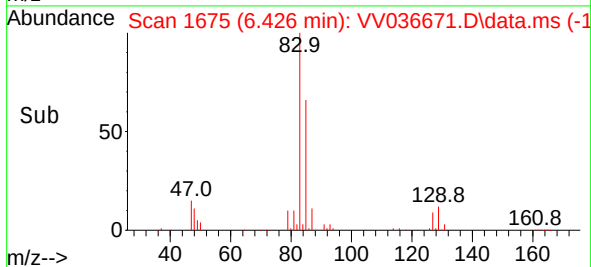
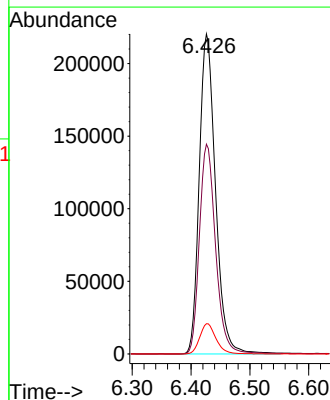
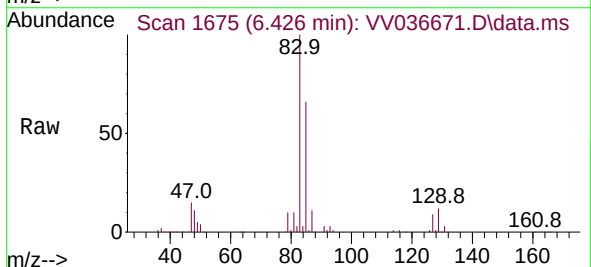
Instrument :
MSVOA_V
ClientSampleId :

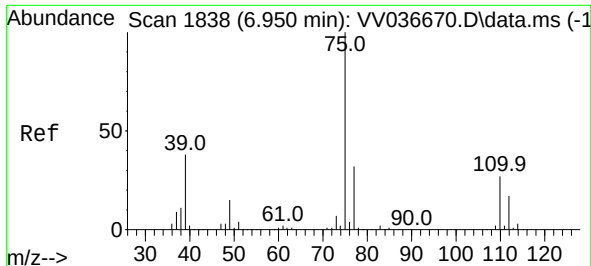
Tgt Ion: 63 Resp: 259009
Ion Ratio Lower Upper
63 100
112 5.6 5.1 7.7



#38
Bromodichloromethane
Concen: 110.369 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.003 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

Tgt Ion: 83 Resp: 423205
Ion Ratio Lower Upper
83 100
85 65.6 45.6 84.6
127 9.4 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 117.637 ug/L

RT: 6.947 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

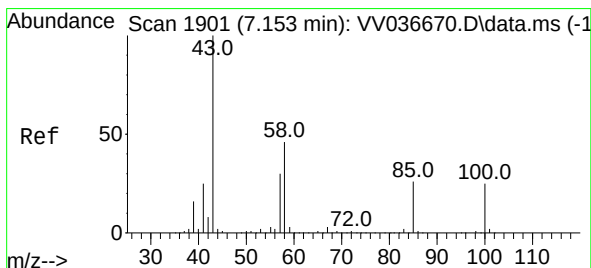
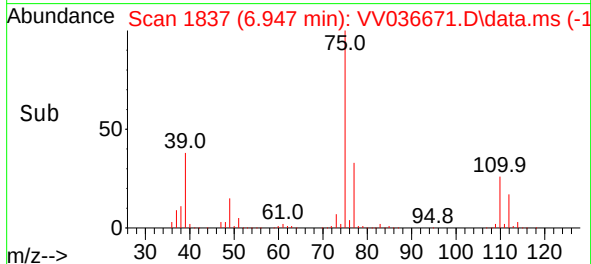
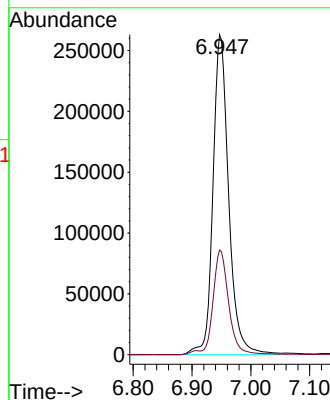
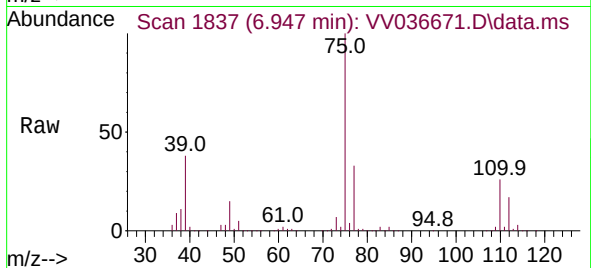
ClientSampleId :

Tgt Ion: 75 Resp: 488723

Ion Ratio Lower Upper

75 100

77 32.7 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 198.352 ug/L

RT: 7.149 min Scan# 1900

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

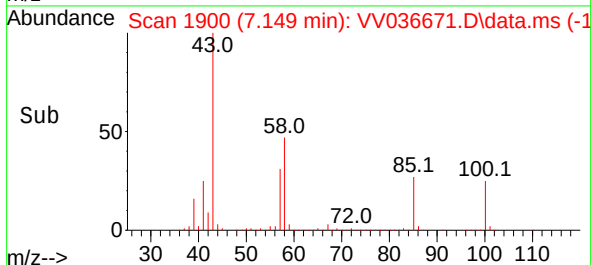
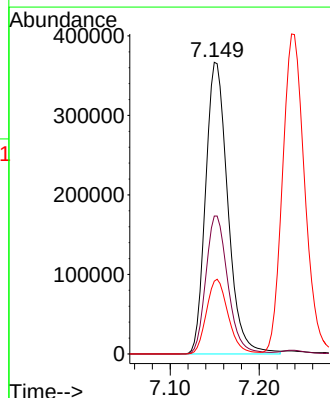
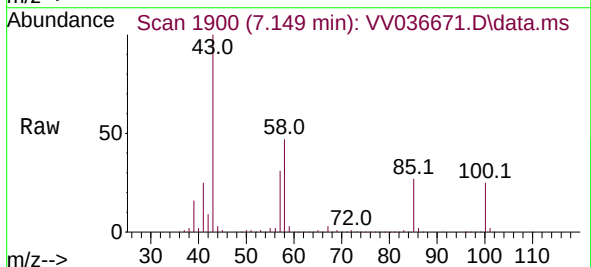
Tgt Ion: 43 Resp: 635159

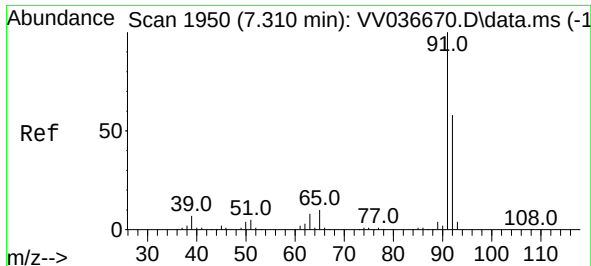
Ion Ratio Lower Upper

43 100

58 47.0 36.6 54.8

100 25.0 19.6 29.4

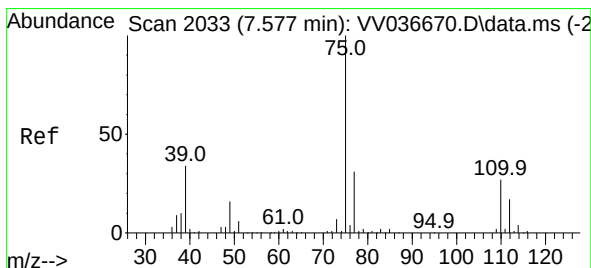
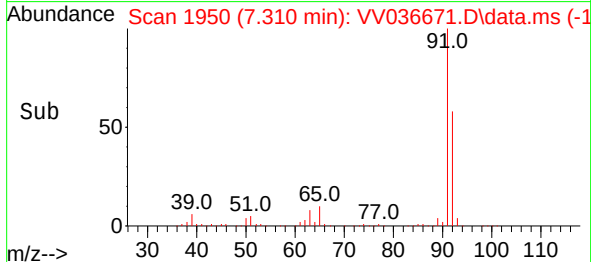
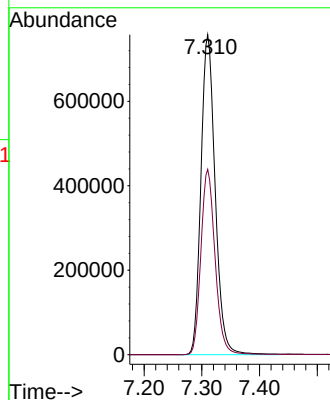
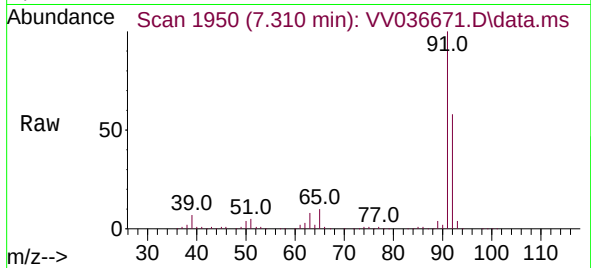




#42
Toluene
Concen: 121.192 ug/L
RT: 7.310 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

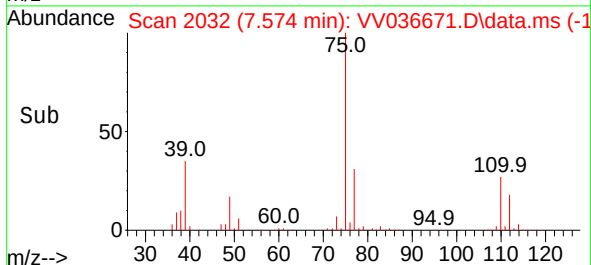
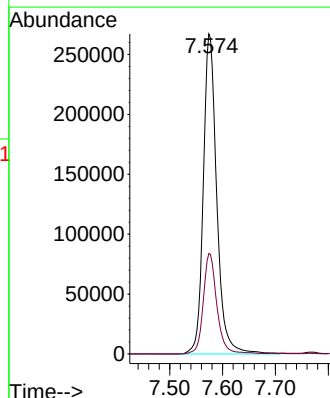
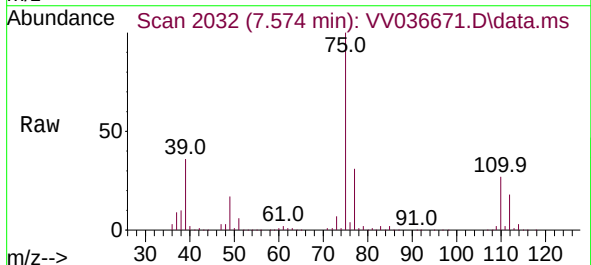
Instrument :
MSVOA_V
ClientSampleId :

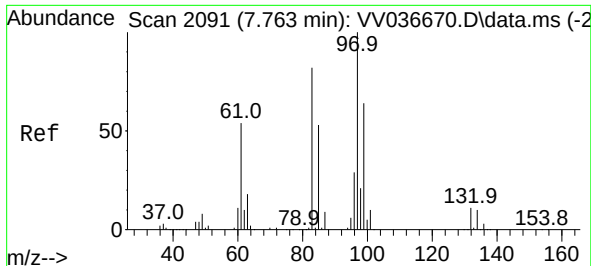
Tgt Ion: 91 Resp: 1293942
Ion Ratio Lower Upper
91 100
92 57.9 40.6 75.4



#44
trans-1,3-Dichloropropene
Concen: 118.943 ug/L
RT: 7.574 min Scan# 2032
Delta R.T. -0.003 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

Tgt Ion: 75 Resp: 473133
Ion Ratio Lower Upper
75 100
77 31.4 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 110.079 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 326083

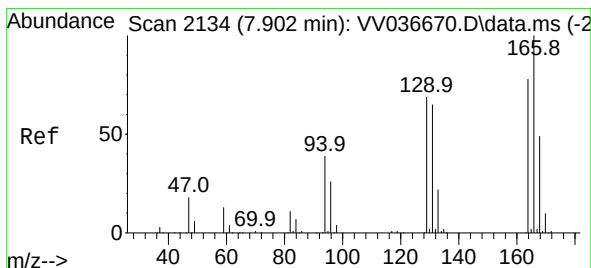
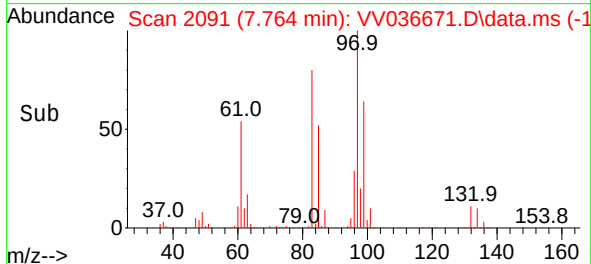
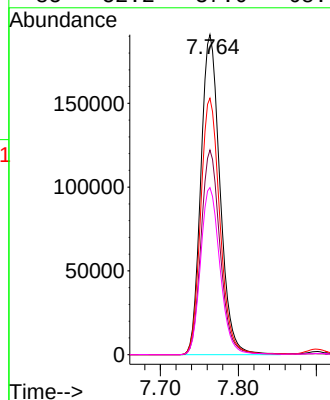
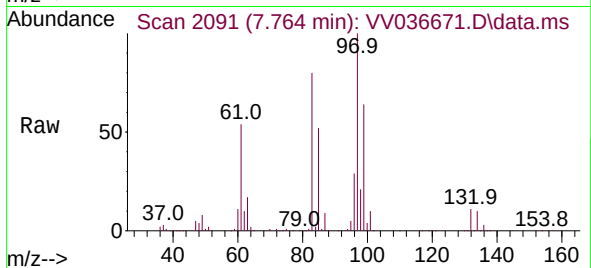
Ion Ratio Lower Upper

97 100

99 64.0 44.4 82.5

83 80.2 57.3 106.3

85 52.2 37.0 68.6



#46

Tetrachloroethene

Concen: 136.242 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Tgt Ion:164 Resp: 308891

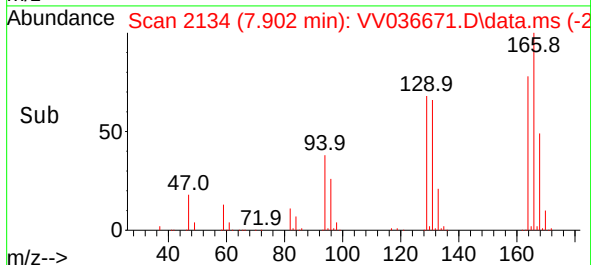
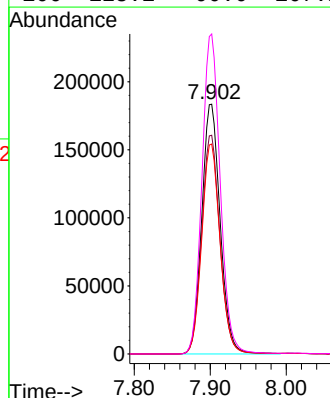
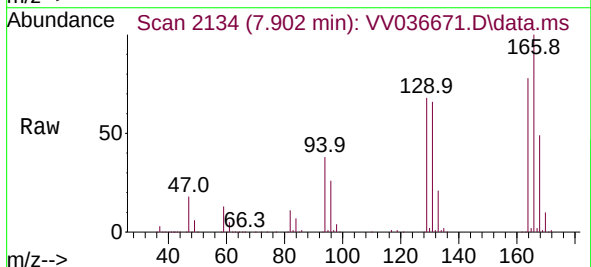
Ion Ratio Lower Upper

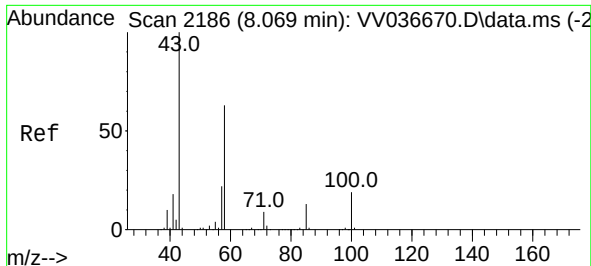
164 100

129 87.6 62.1 115.3

131 84.0 58.7 109.1

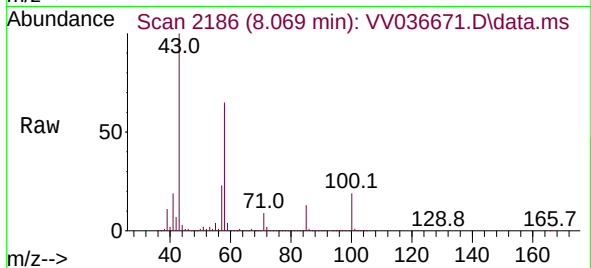
166 128.1 90.0 167.2



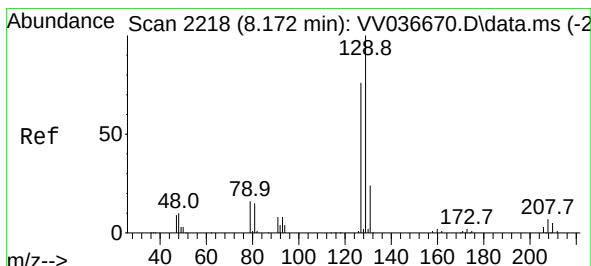
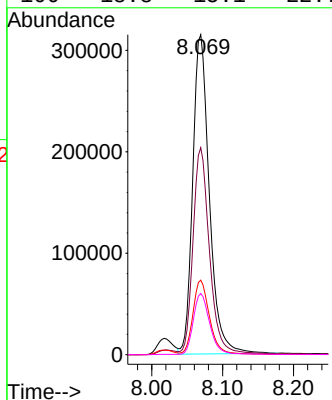
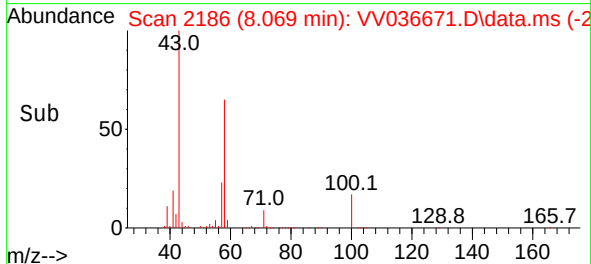


#48
2-Hexanone
Concen: 190.268 ug/L
RT: 8.069 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

Instrument :
MSVOA_V
ClientSampleId :

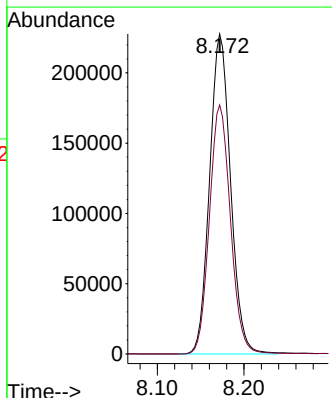
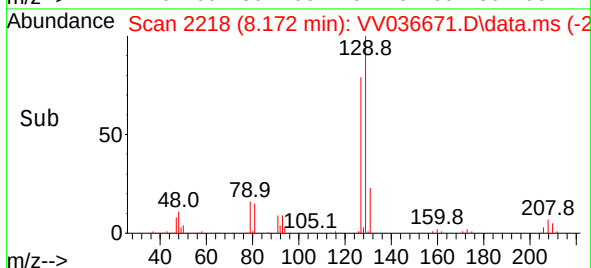
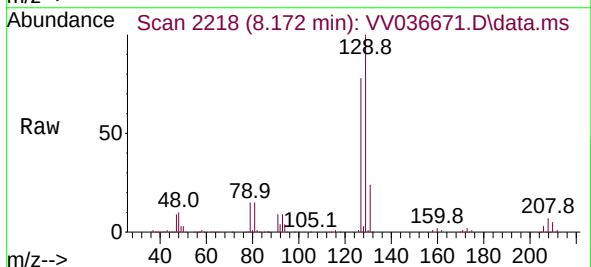


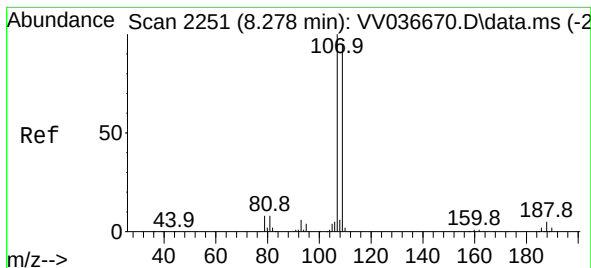
Tgt Ion: 43 Resp: 512664
Ion Ratio Lower Upper
43 100
58 63.7 51.3 76.9
57 23.0 17.6 26.4
100 18.8 15.1 22.7



#49
Dibromochloromethane
Concen: 123.267 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

Tgt Ion: 129 Resp: 383145
Ion Ratio Lower Upper
129 100
127 77.8 52.8 98.2





#50

1,2-Dibromoethane

Concen: 122.912 ug/L

RT: 8.278 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

ClientSampleId :

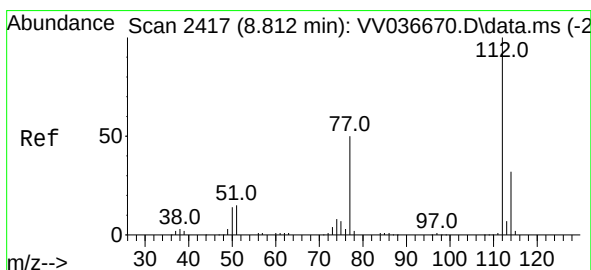
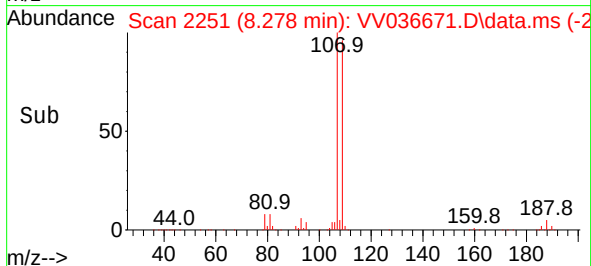
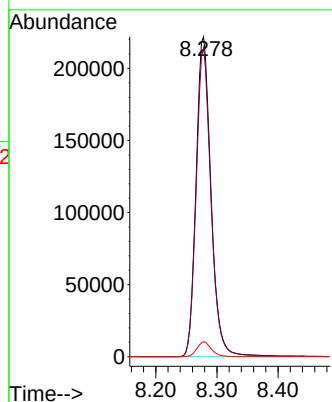
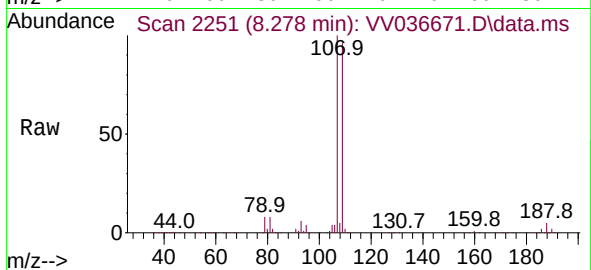
Tgt Ion:107 Resp: 376953

Ion Ratio Lower Upper

107 100

109 96.5 66.4 123.2

188 4.6 3.7 5.5



#51

Chlorobenzene

Concen: 118.129 ug/L

RT: 8.809 min Scan# 2416

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

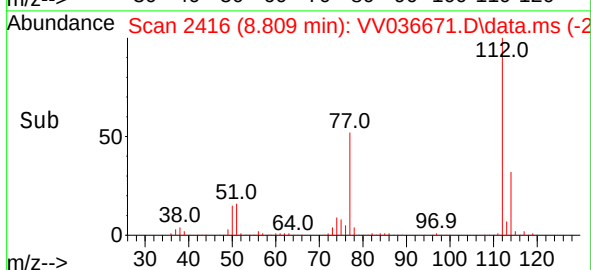
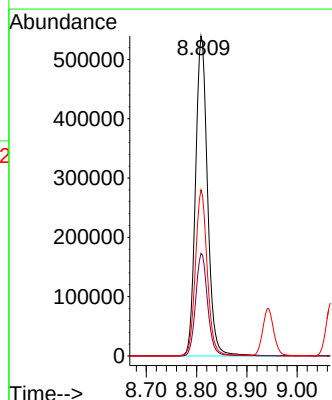
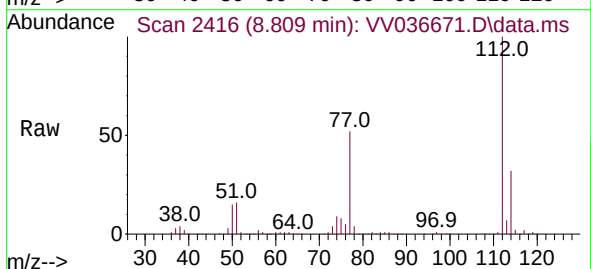
Tgt Ion:112 Resp: 894593

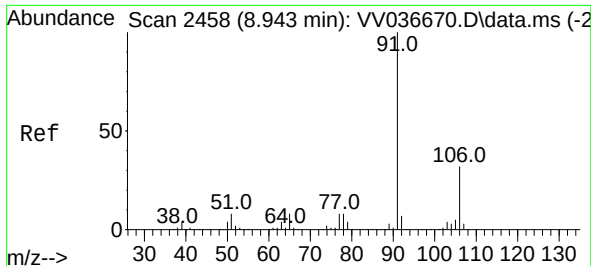
Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

77 51.9 40.6 60.8





#52

Ethylbenzene

Concen: 123.497 ug/L

RT: 8.940 min Scan# 2458

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

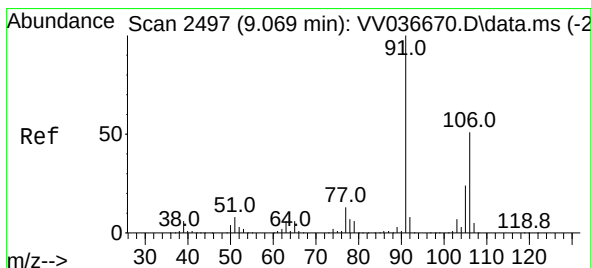
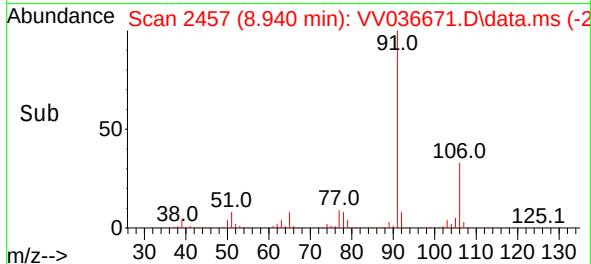
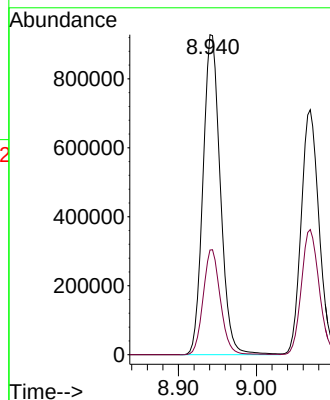
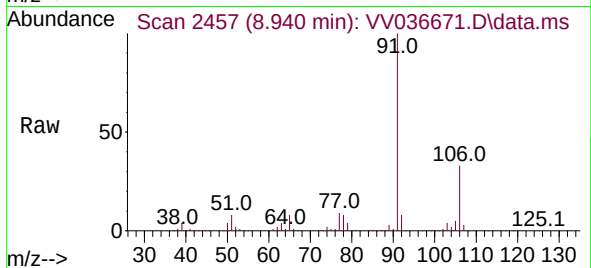
ClientSampleId :

Tgt Ion: 91 Resp: 1434336

Ion Ratio Lower Upper

91 100

106 32.7 22.6 42.0



#53

m,p-Xylene

Concen: 130.407 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV036671.D

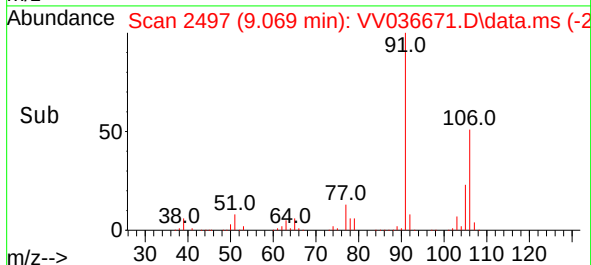
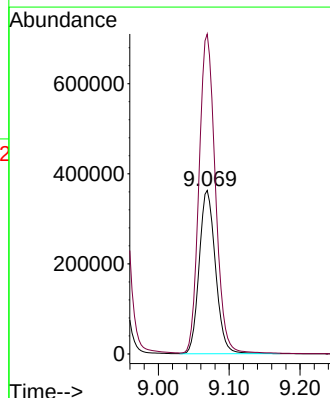
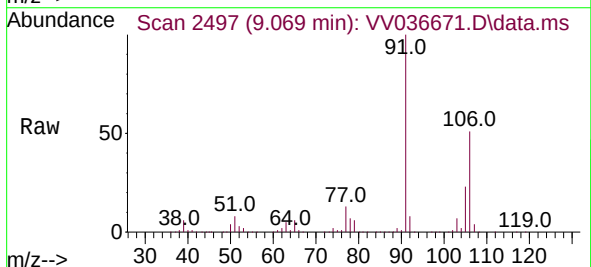
Acq: 24 Jul 2024 18:11

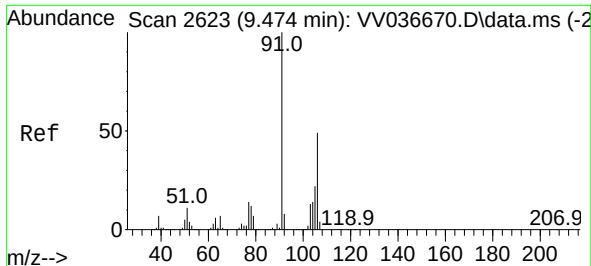
Tgt Ion:106 Resp: 578562

Ion Ratio Lower Upper

106 100

91 195.7 138.0 256.4

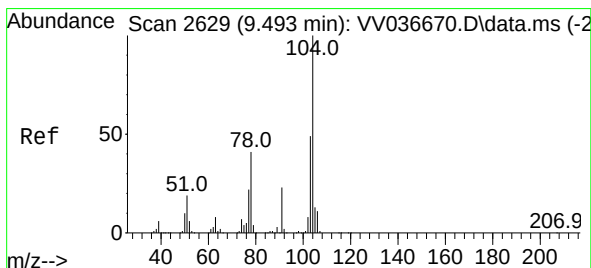
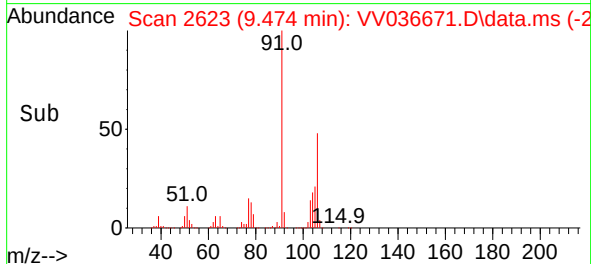
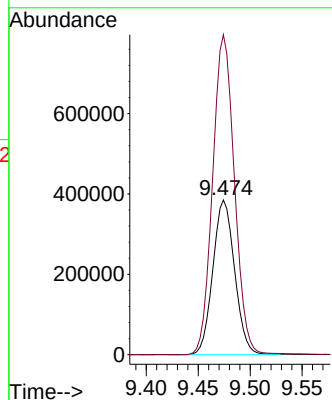
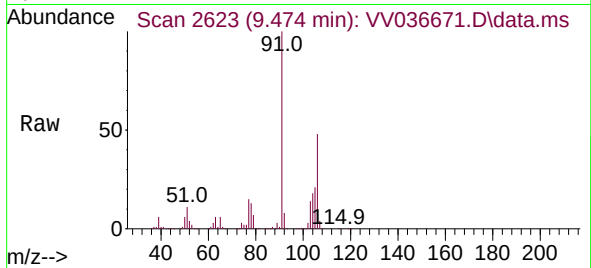




#54
o-Xylene
Concen: 129.443 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. 0.000 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

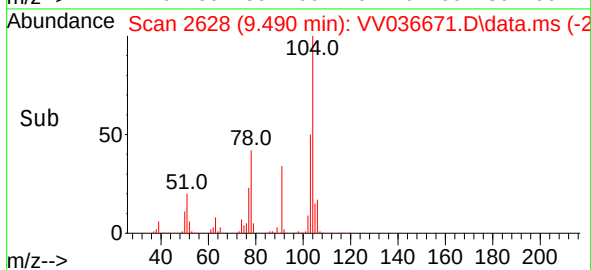
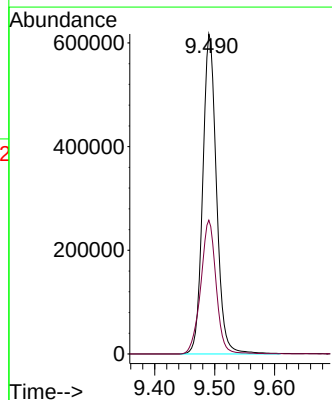
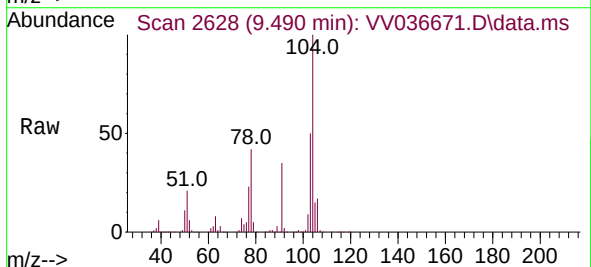
Instrument :
MSVOA_V
ClientSampleId :

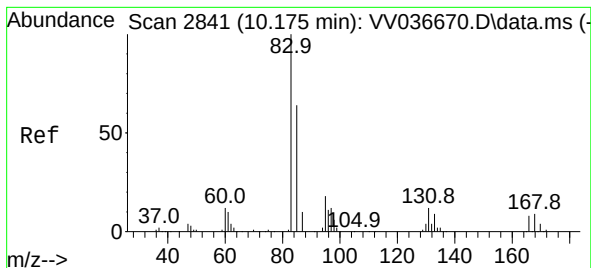
Tgt Ion:106 Resp: 560875
Ion Ratio Lower Upper
106 100
91 206.9 144.0 267.4



#55
Styrene
Concen: 132.390 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. -0.003 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

Tgt Ion:104 Resp: 989751
Ion Ratio Lower Upper
104 100
78 41.8 28.6 53.2





#57

1,1,2,2-Tetrachloroethane

Concen: 94.356 ug/L

RT: 10.172 min Scan# 2841

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

ClientSampleId :

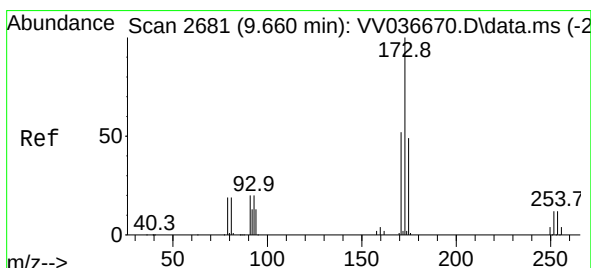
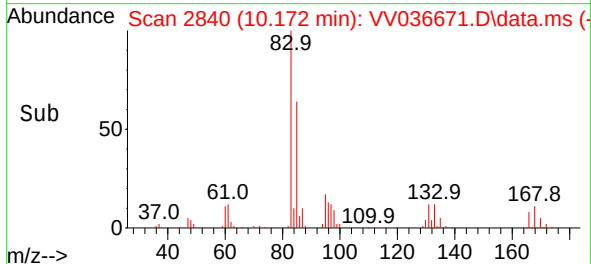
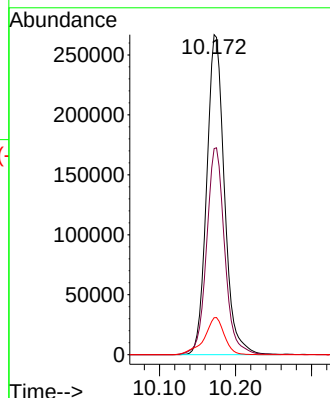
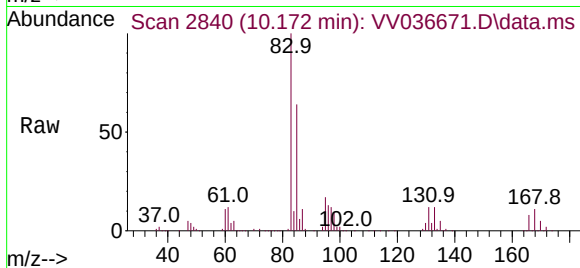
Tgt Ion: 83 Resp: 431957

Ion Ratio Lower Upper

83 100

85 64.4 44.7 83.1

131 11.5 9.4 14.2



#59

Bromoform

Concen: 122.975 ug/L

RT: 9.661 min Scan# 2681

Delta R.T. 0.000 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

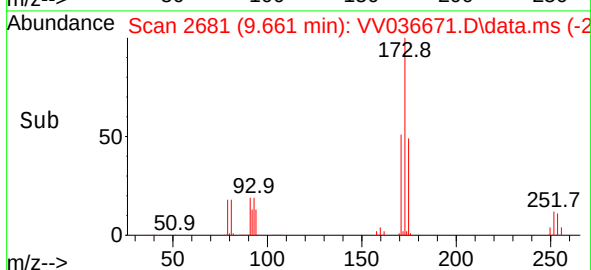
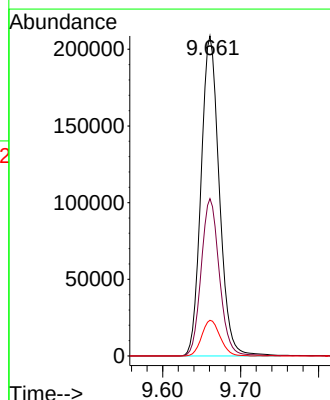
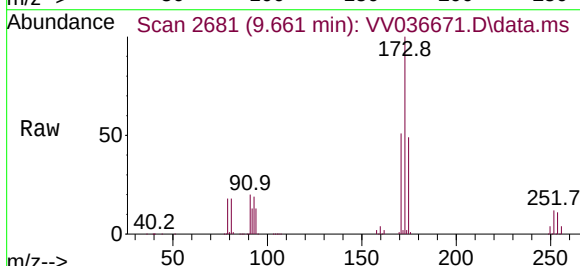
Tgt Ion: 173 Resp: 338911

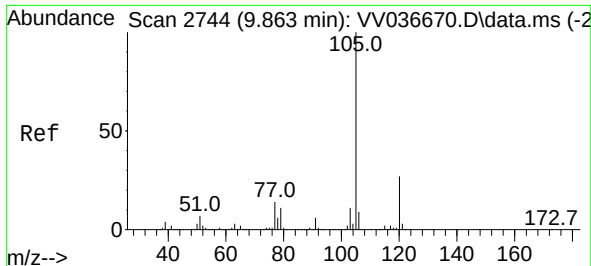
Ion Ratio Lower Upper

173 100

175 49.0 39.2 58.8

254 11.3 9.2 13.8





#60

Isopropylbenzene

Concen: 117.189 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

ClientSampleId :

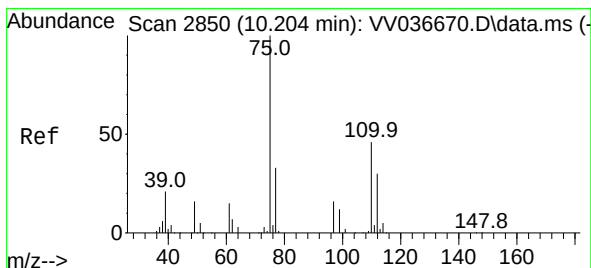
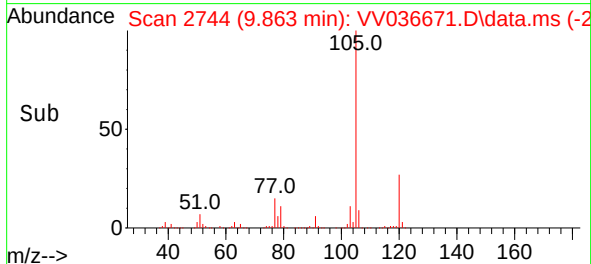
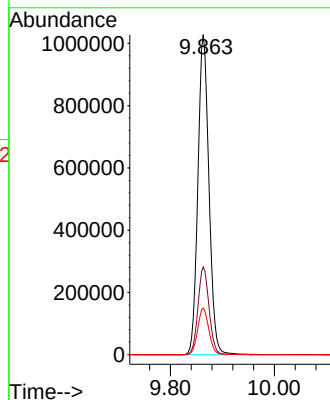
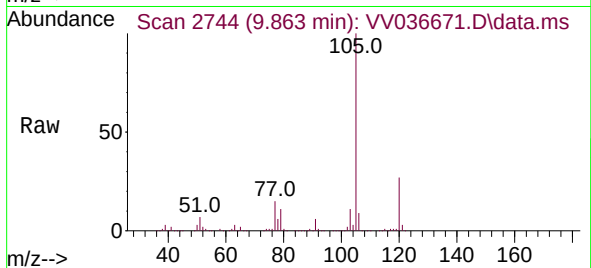
Tgt Ion:105 Resp: 1515193

Ion Ratio Lower Upper

105 100

120 27.5 21.7 32.5

77 14.6 11.5 17.3



#61

1,2,3-Trichloropropane

Concen: 95.073 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. 0.000 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

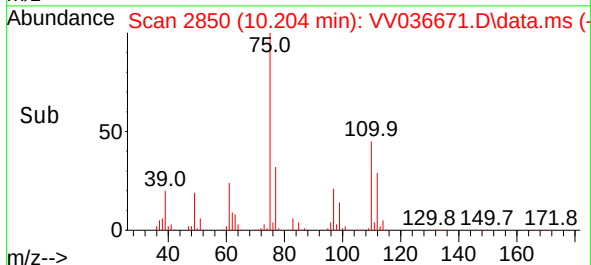
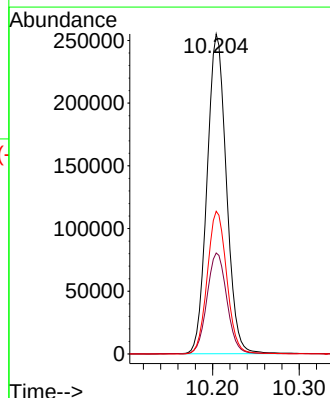
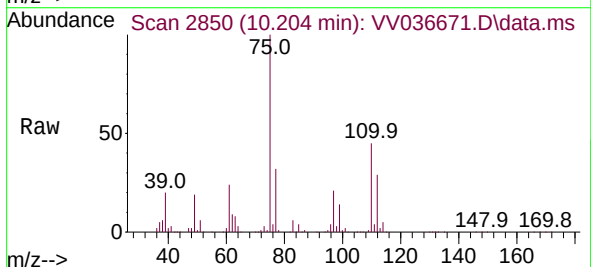
Tgt Ion: 75 Resp: 394369

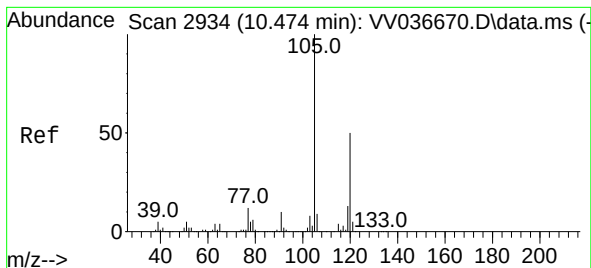
Ion Ratio Lower Upper

75 100

77 32.4 26.1 39.1

110 45.3 36.7 55.1





#62

1,3,5-Trimethylbenzene

Concen: 122.249 ug/L

RT: 10.471 min Scan# 2934

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

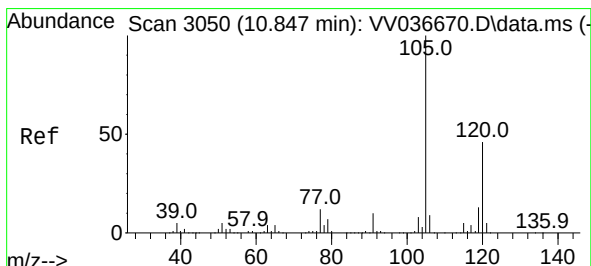
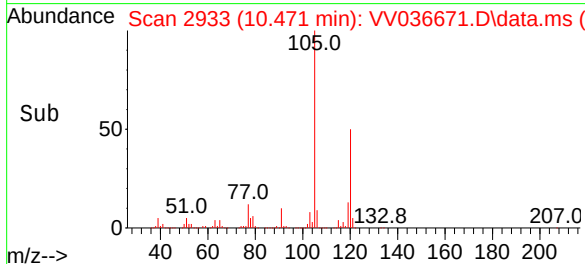
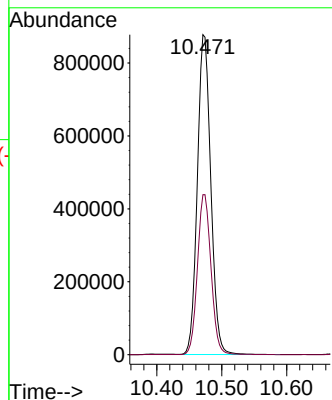
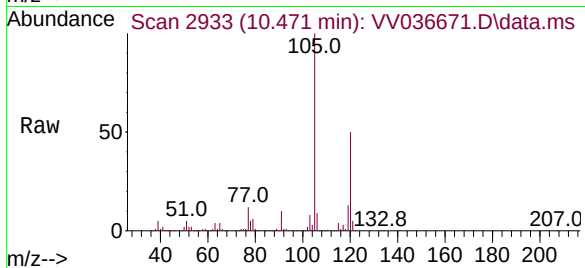
ClientSampleId :

Tgt Ion:105 Resp: 1265417

Ion Ratio Lower Upper

105 100

120 50.4 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 125.788 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VV036671.D

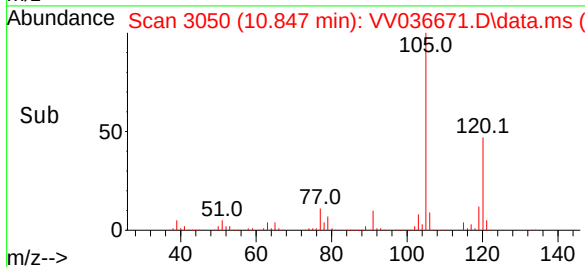
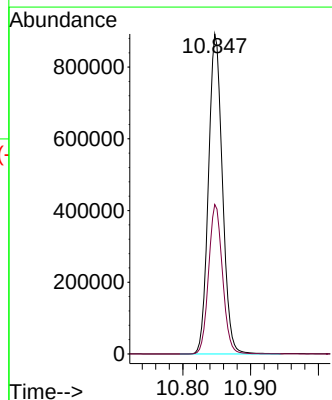
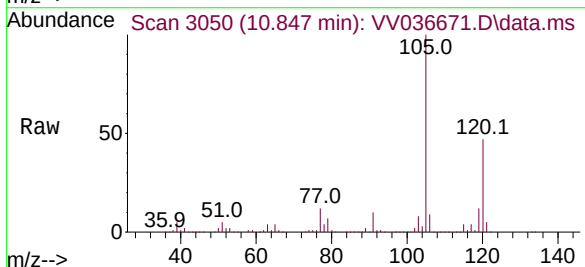
Acq: 24 Jul 2024 18:11

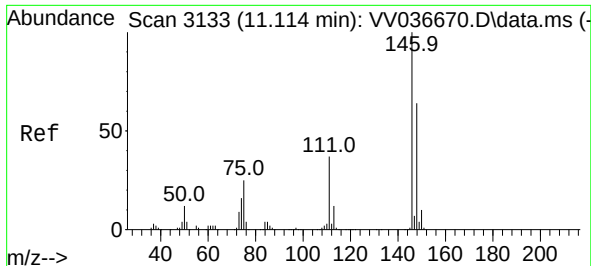
Tgt Ion:105 Resp: 1277820

Ion Ratio Lower Upper

105 100

120 46.4 37.4 56.0

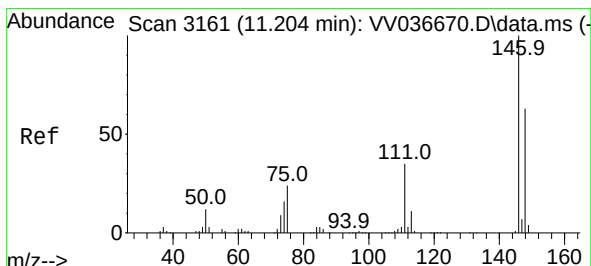
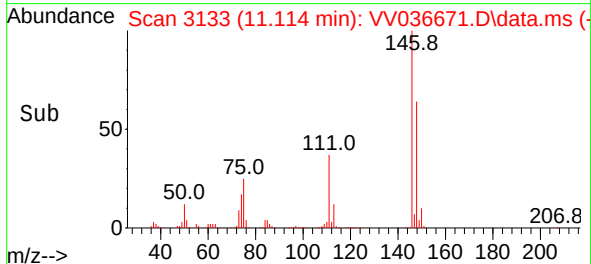
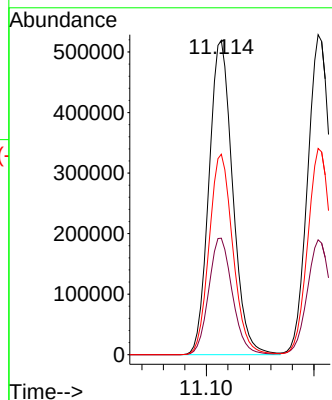
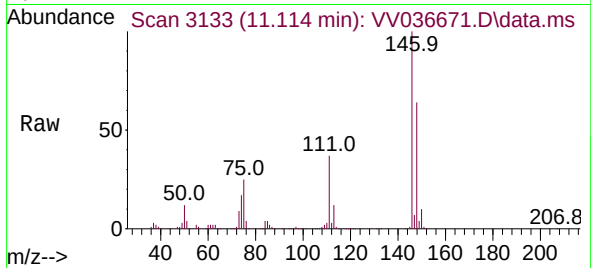




#64
1,3-Dichlorobenzene
Concen: 117.442 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. 0.000 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

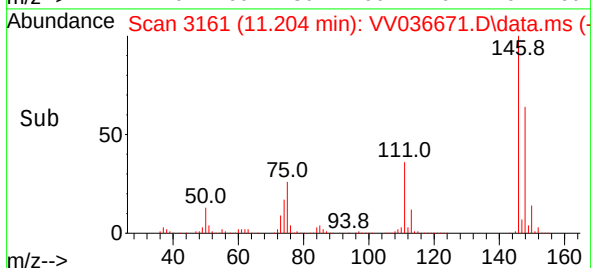
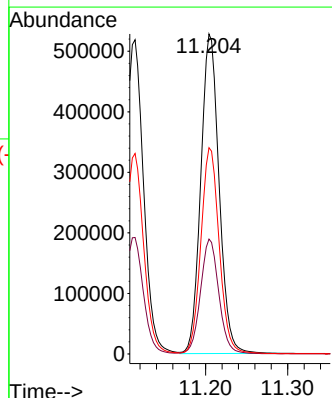
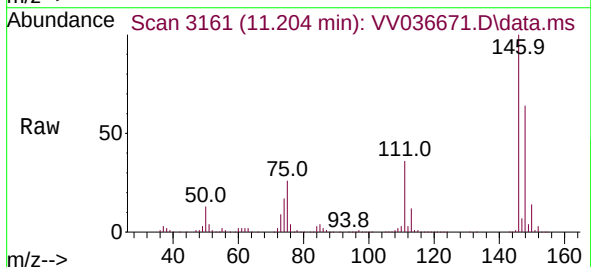
Instrument :
MSVOA_V
ClientSampleId :

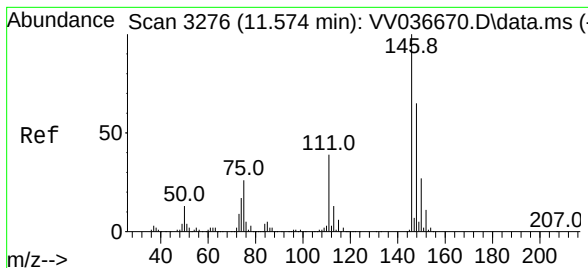
Tgt Ion:146 Resp: 796187
Ion Ratio Lower Upper
146 100
111 37.0 25.7 47.7
148 63.8 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 114.653 ug/L
RT: 11.204 min Scan# 3161
Delta R.T. 0.000 min
Lab File: VV036671.D
Acq: 24 Jul 2024 18:11

Tgt Ion:146 Resp: 817273
Ion Ratio Lower Upper
146 100
111 35.9 24.6 45.8
148 64.4 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 116.483 ug/L

RT: 11.574 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

ClientSampleId :

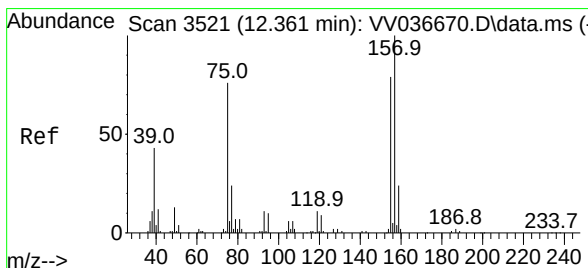
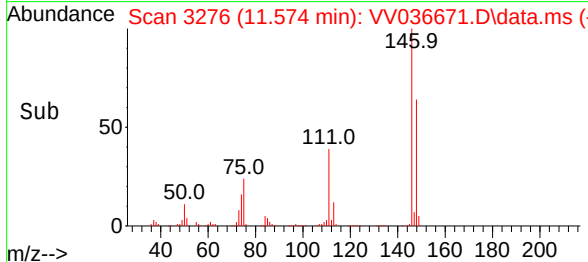
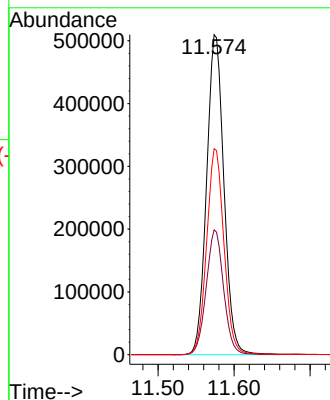
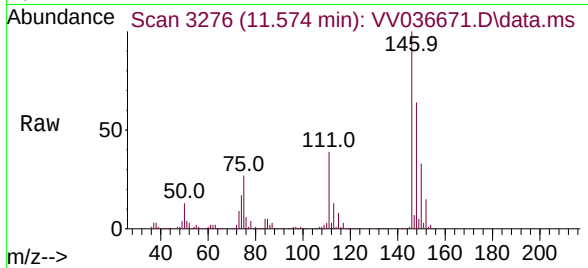
Tgt Ion:146 Resp: 804785

Ion Ratio Lower Upper

146 100

111 39.0 30.9 46.3

148 64.3 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 125.071 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

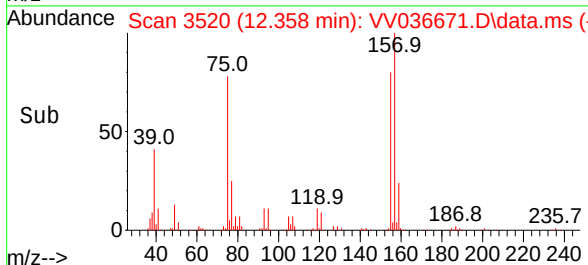
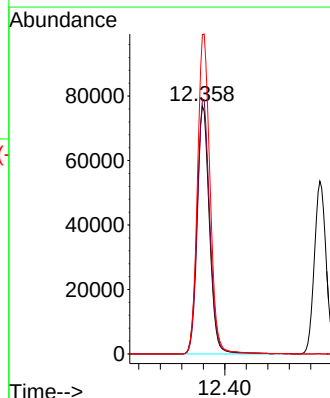
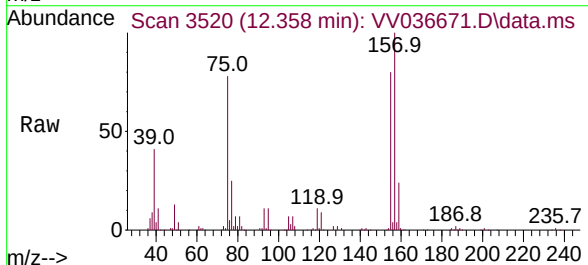
Tgt Ion: 75 Resp: 123533

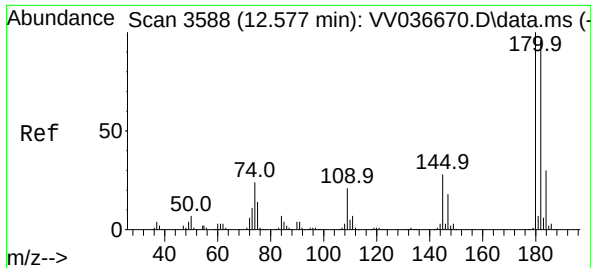
Ion Ratio Lower Upper

75 100

155 102.8 83.7 125.5

157 128.8 105.9 158.9





#69

1,3,5-Trichlorobenzene

Concen: 127.801 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

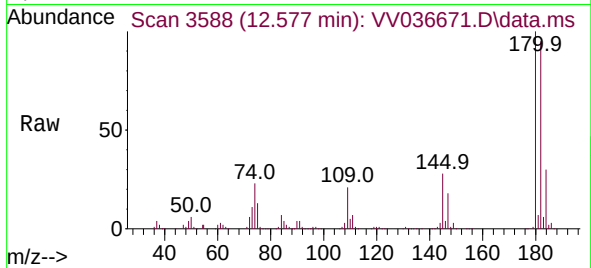
Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 620257

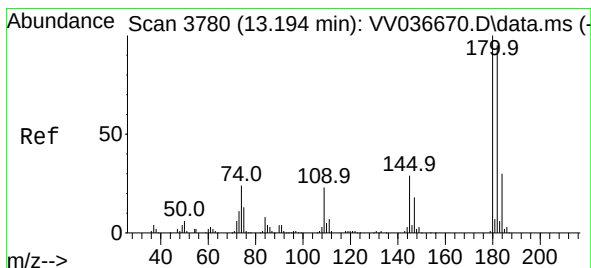
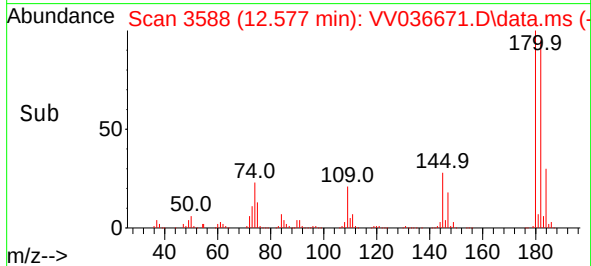
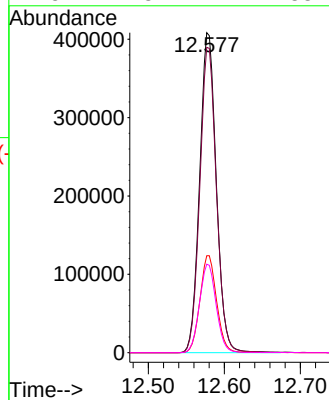
Ion Ratio Lower Upper

180 100

182 95.4 77.3 115.9

184 30.3 24.2 36.4

145 27.8 22.2 33.2



#70

1,2,4-trichlorobenzene

Concen: 143.389 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

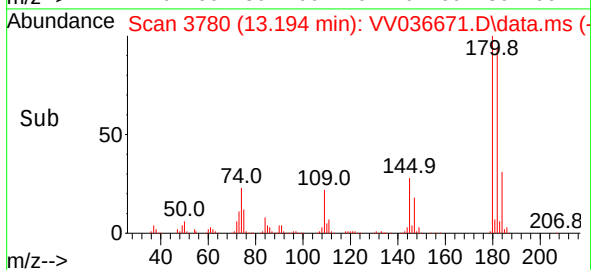
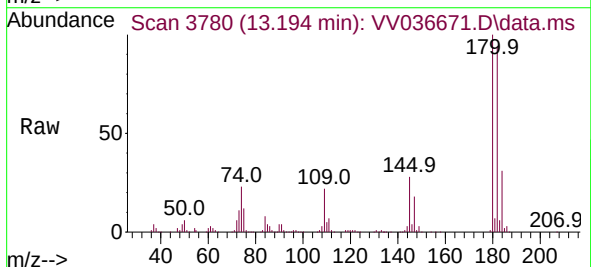
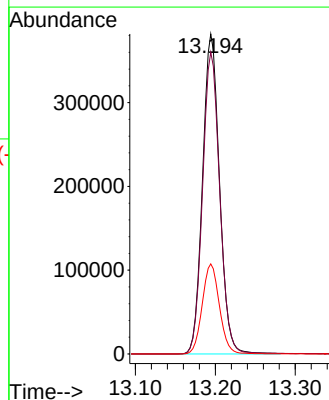
Tgt Ion:180 Resp: 565194

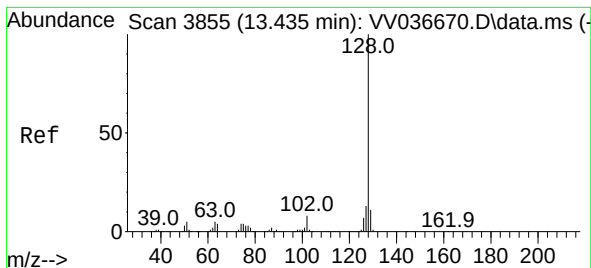
Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.8

145 28.4 22.9 34.3





#71

Naphthalene

Concen: 180.829 ug/L

RT: 13.432 min Scan# 3855

Delta R.T. -0.003 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Instrument :

MSVOA_V

ClientSampleId :

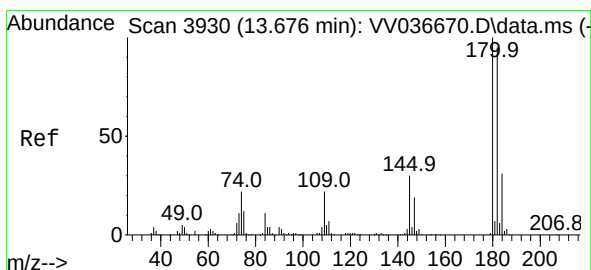
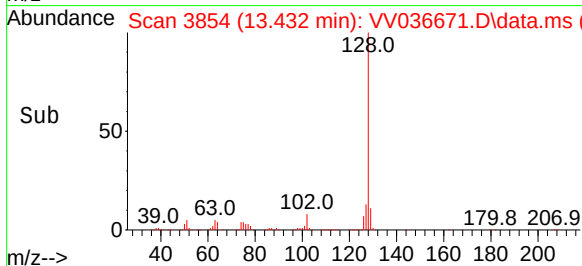
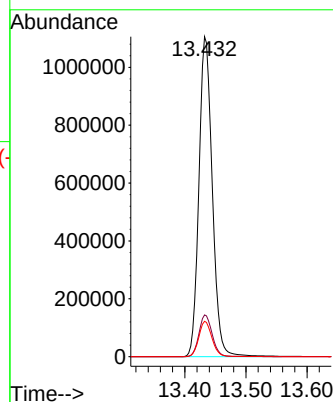
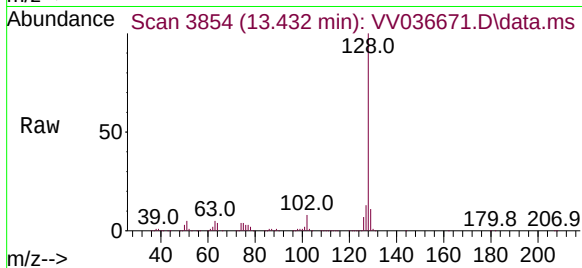
Tgt Ion:128 Resp: 1680462

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 151.346 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036671.D

Acq: 24 Jul 2024 18:11

Tgt Ion:180 Resp: 598125

Ion Ratio Lower Upper

180 100

182 95.0 76.4 114.6

145 30.4 23.9 35.9

