

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082624\
 Data File : VV037020.D
 Acq On : 26 Aug 2024 12:28
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 27 01:50:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 27 01:44:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	621878	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	599571	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	308855	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	303841	53.411	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	106.820%	
7) Chloroethane-d5	1.532	69	232002	52.769	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	105.540%	
11) 1,1-Dichloroethene-d2	2.056	65	127097	53.157	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	106.320%	
21) 2-Butanone-d5	3.793	46	256051	116.231	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	116.230%	
24) Chloroform-d	4.243	84	488933	54.916	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	109.840%	
26) 1,2-Dichloroethane-d4	4.937	65	309563	55.212	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	110.420%	
32) Benzene-d6	4.953	84	988651	54.593	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	109.180%	
36) 1,2-Dichloropropane-d6	5.986	67	313486	55.268	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	110.540%	
41) Toluene-d8	7.240	98	894290	54.717	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	109.440%	
43) trans-1,3-Dichloroprop...	7.548	79	143966	54.862	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	109.720%	
47) 2-Hexanone-d5	8.024	63	178027	115.003	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	115.000%	
56) 1,1,2,2-Tetrachloroeth...	10.146	84	383310	55.720	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	111.440%	
66) 1,2-Dichlorobenzene-d4	11.554	152	326628	52.803	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	105.600%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	292256	55.613	ug/L	100
3) Chloromethane	1.217	50	321381	54.379	ug/L	99
5) Vinyl chloride	1.282	62	308485	55.601	ug/L	100
6) Bromomethane	1.487	94	176764	56.859	ug/L	97
8) Chloroethane	1.548	64	188003	55.399	ug/L	99
9) Trichlorofluoromethane	1.712	101	403995	55.798	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	241247	56.021	ug/L	100
12) 1,1-Dichloroethene	2.069	96	224797	55.407	ug/L	99
13) Acetone	2.111	43	253930	107.478	ug/L	100
14) Carbon disulfide	2.236	76	674389	54.754	ug/L	99
15) Methyl Acetate	2.372	43	233342	58.911	ug/L	99
16) Methylene chloride	2.442	84	252387	55.135	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	237243	56.327	ug/L	96
18) Methyl tert-butyl Ether	2.706	73	752162	56.770	ug/L	99
19) 1,1-Dichloroethane	3.105	63	466671	55.792	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	261504	56.188	ug/L	99
22) 2-Butanone	3.876	43	294156	113.082	ug/L	99
23) Bromochloromethane	4.140	128	130010	56.906	ug/L	99
25) Chloroform	4.272	83	465363	54.936	ug/L	98

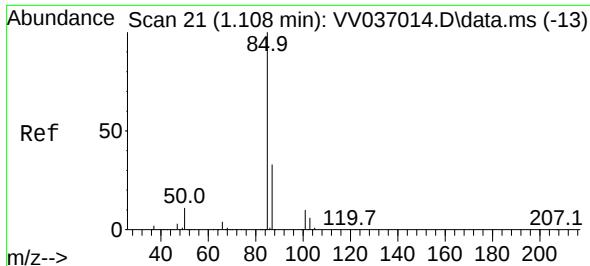
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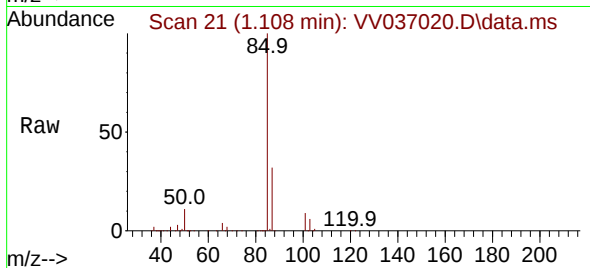
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	349159	56.190	ug/L	98
29) Cyclohexane	4.571	56	393313	55.792	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	383149	55.538	ug/L	99
31) Carbon tetrachloride	4.728	117	327493	56.257	ug/L	99
33) Benzene	5.005	78	988871	57.150	ug/L	100
34) Trichloroethene	5.828	95	255133	55.864	ug/L	99
35) Methylcyclohexane	6.043	83	422507	56.940	ug/L	99
37) 1,2-Dichloropropane	6.088	63	255254	55.026	ug/L	99
38) Bromodichloromethane	6.429	83	334368	56.238	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	417076	56.974	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	558533	118.433	ug/L	99
42) Toluene	7.310	91	1035847	57.497	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	372150	56.875	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	243315	56.346	ug/L	98
46) Tetrachloroethene	7.899	164	183509	56.001	ug/L	98
48) 2-Hexanone	8.072	43	420911	115.404	ug/L	97
49) Dibromochloromethane	8.172	129	240632	55.651	ug/L	100
50) 1,2-Dibromoethane	8.278	107	249050	56.995	ug/L	99
51) Chlorobenzene	8.809	112	665095	55.764	ug/L	99
52) Ethylbenzene	8.940	91	1167616	57.378	ug/L	100
53) m,p-Xylene	9.069	106	436513	57.895	ug/L	98
54) o-Xylene	9.474	106	421163	57.051	ug/L	98
55) Styrene	9.490	104	748087	58.401	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	364428	56.982	ug/L	100
59) Bromoform	9.661	173	160564	55.829	ug/L	99
60) Isopropylbenzene	9.860	105	1142716	57.071	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	274959	57.228	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	935812	57.125	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	945909	57.860	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	512488	55.429	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	529302	55.934	ug/L	97
67) 1,2-Dichlorobenzene	11.574	146	508991	55.988	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	67518	56.350	ug/L	96
69) 1,3,5-Trichlorobenzene	12.577	180	362089	56.283	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	338112	55.814	ug/L	100
71) Naphthalene	13.432	128	1045776	59.784	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	335965	56.277	ug/L	99

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

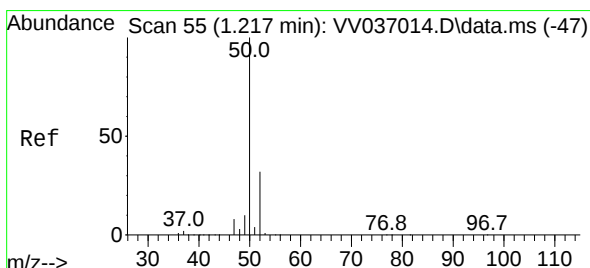
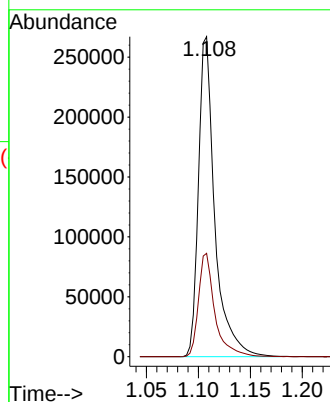
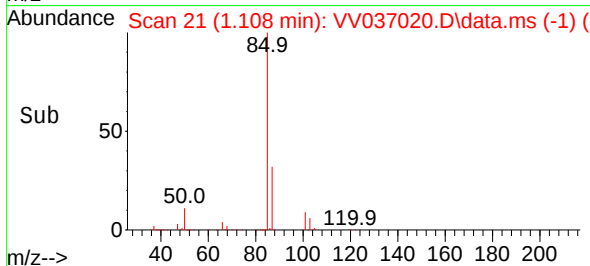


#2
 Dichlorodifluoromethane
 Concen: 55.613 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV037020.D
 Acq: 26 Aug 2024 12:28

Instrument :
 MSVOA_V
 ClientSampleId :

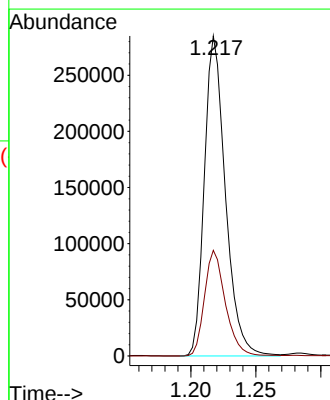
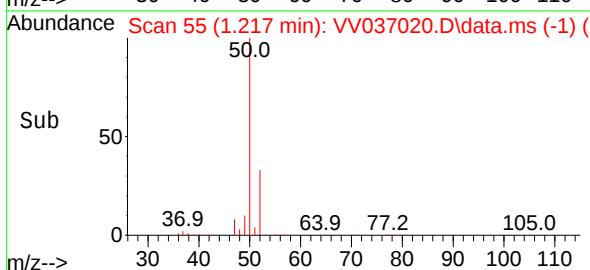
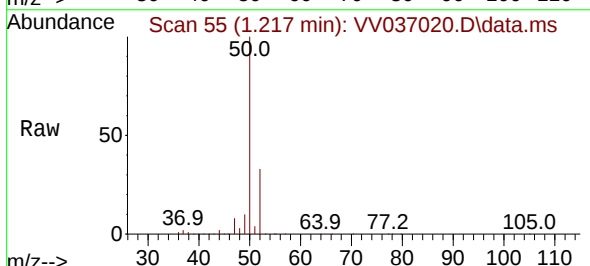


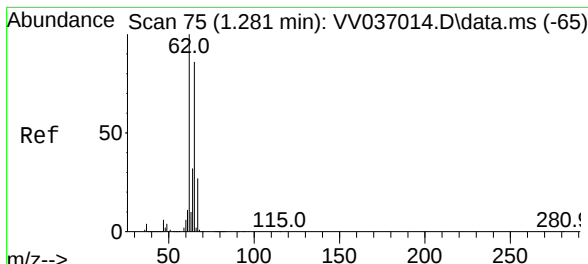
Tgt Ion: 85 Resp: 292256
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 54.379 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV037020.D
 Acq: 26 Aug 2024 12:28

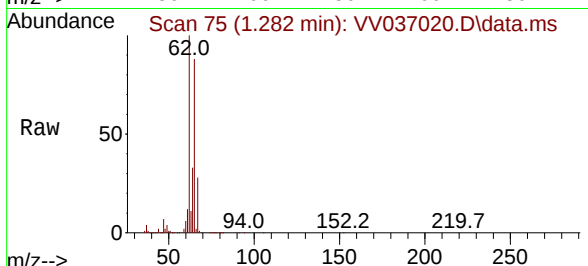
Tgt Ion: 50 Resp: 321381
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.5 41.9



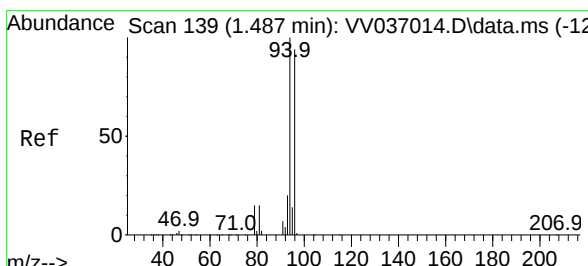
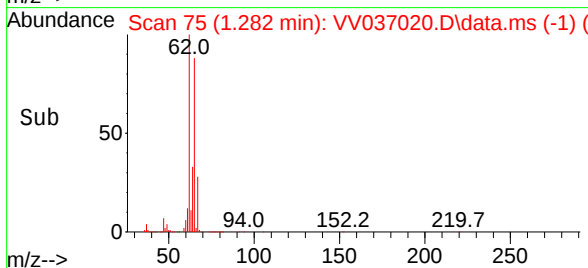
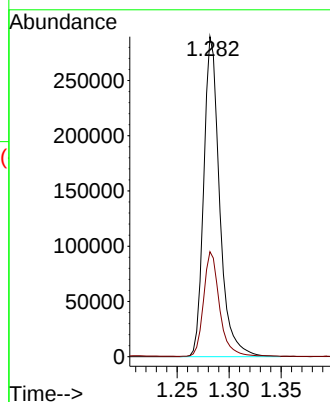


#5
 Vinyl chloride
 Concen: 55.601 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV037020.D
 Acq: 26 Aug 2024 12:28

Instrument :
 MSVOA_V
 ClientSampleId :

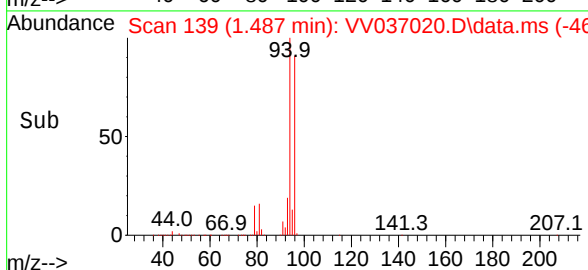
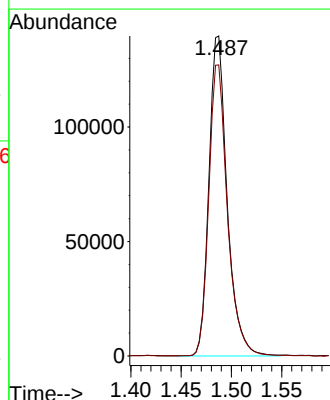
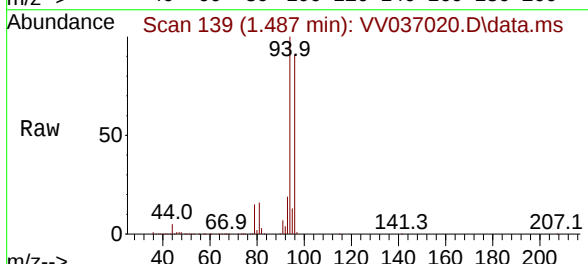


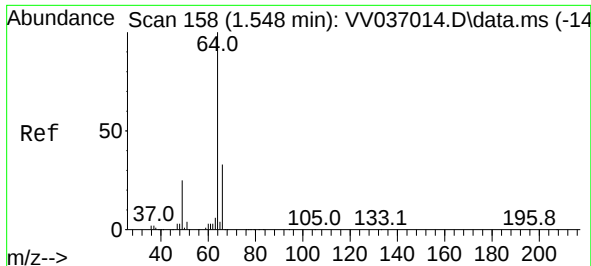
Tgt Ion: 62 Resp: 308485
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.8 42.4



#6
 Bromomethane
 Concen: 56.859 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV037020.D
 Acq: 26 Aug 2024 12:28

Tgt Ion: 94 Resp: 176764
 Ion Ratio Lower Upper
 94 100
 96 91.0 65.6 121.8

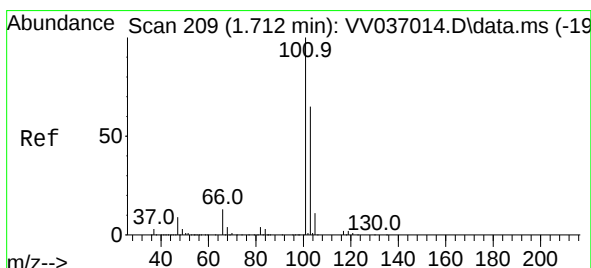
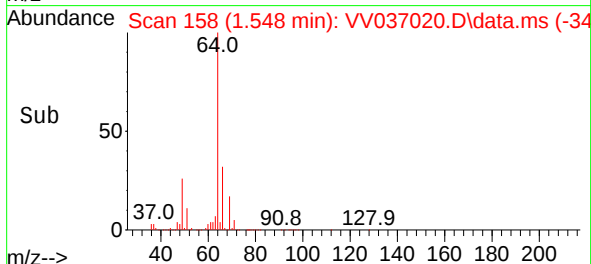
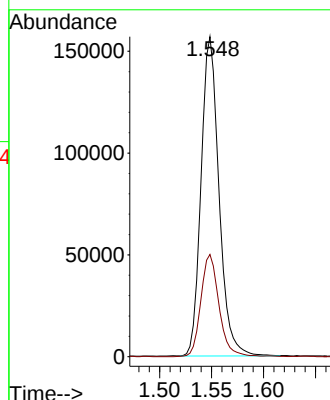
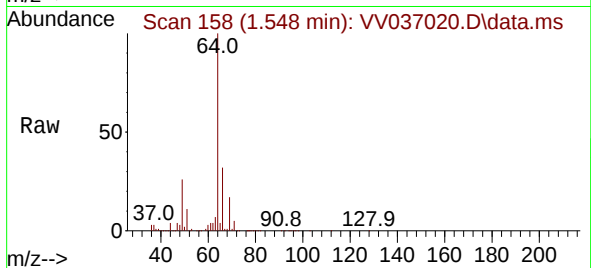




#8
Chloroethane
Concen: 55.399 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

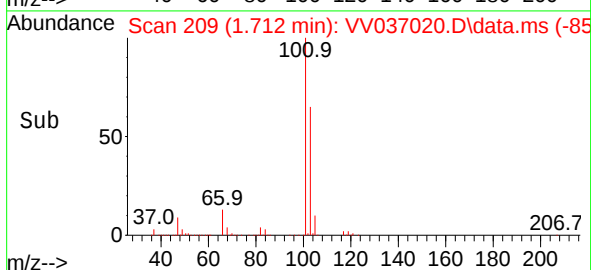
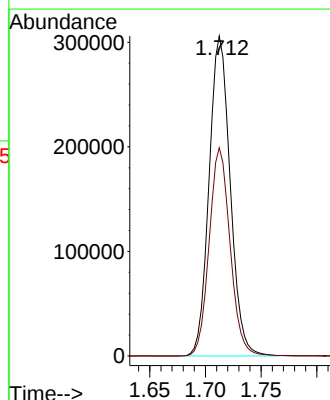
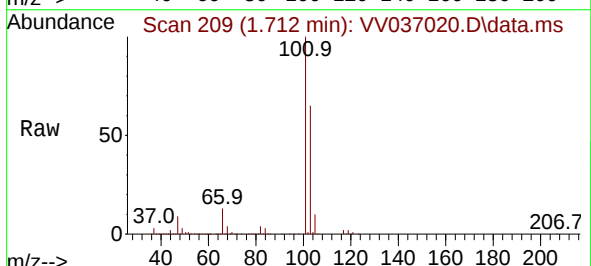
Instrument :
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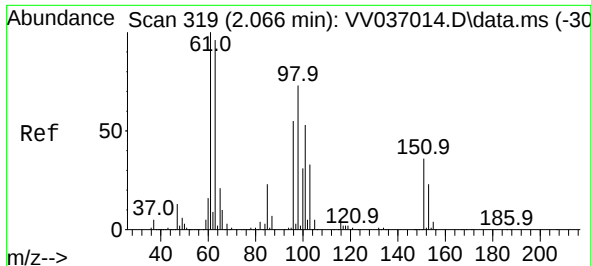
Tgt Ion: 64 Resp: 188003
Ion Ratio Lower Upper
64 100
66 32.0 22.8 42.4



#9
Trichlorofluoromethane
Concen: 55.798 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

Tgt Ion:101 Resp: 403995
Ion Ratio Lower Upper
101 100
103 64.4 51.7 77.5





#10

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

Concen: 56.021 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

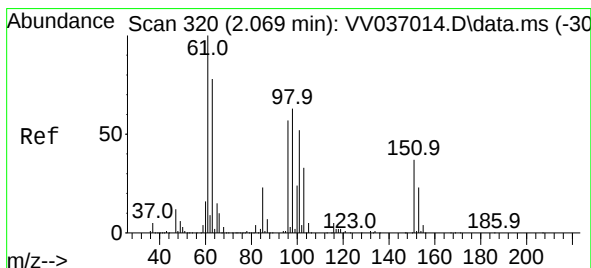
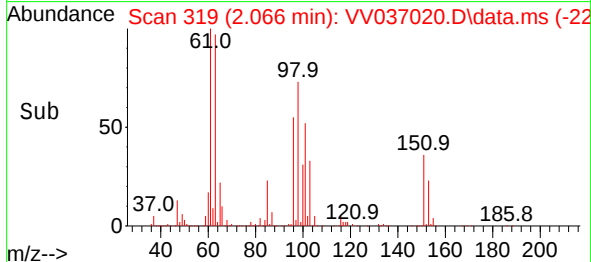
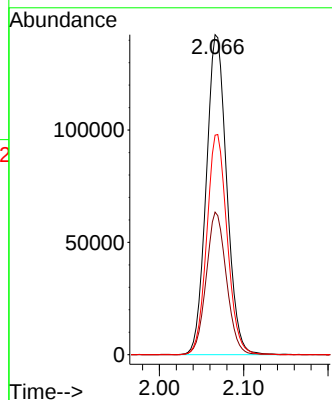
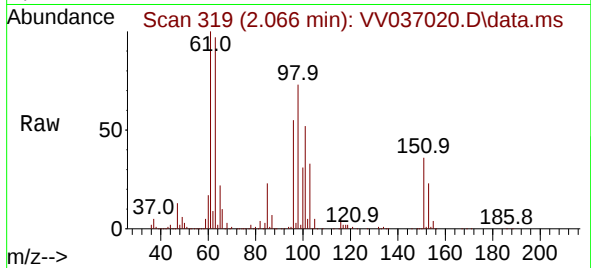
Tgt Ion:101 Resp: 241247

Ion Ratio Lower Upper

101 100

85 44.1 35.6 53.4

151 68.5 55.0 82.4



#12

1,1-Dichloroethene

Concen: 55.407 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

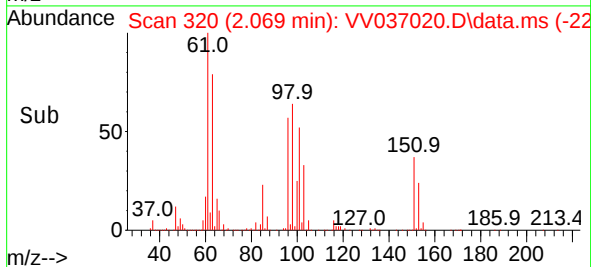
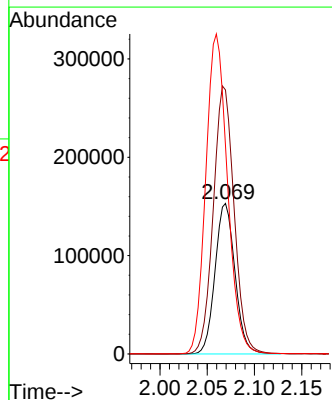
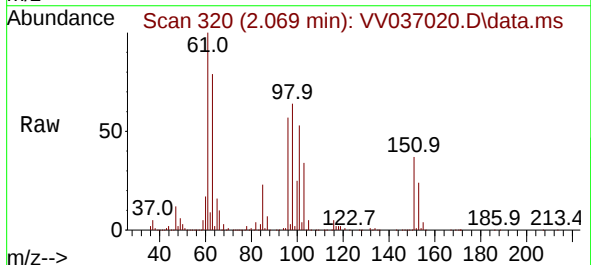
Tgt Ion: 96 Resp: 224797

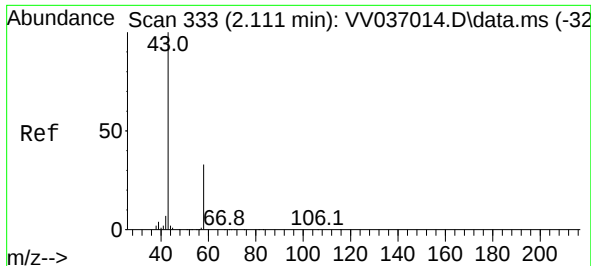
Ion Ratio Lower Upper

96 100

61 175.4 123.8 229.8

63 138.5 96.5 179.1





#13

Acetone

Concen: 107.478 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV037020.D

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MSVOA_V

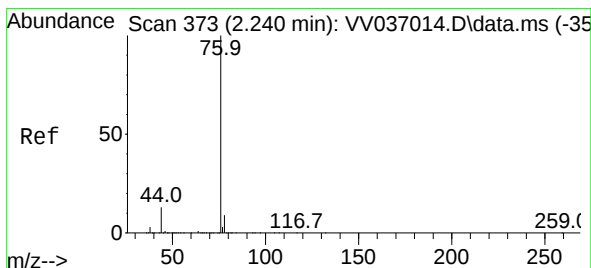
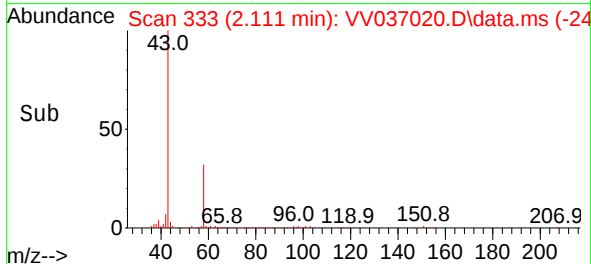
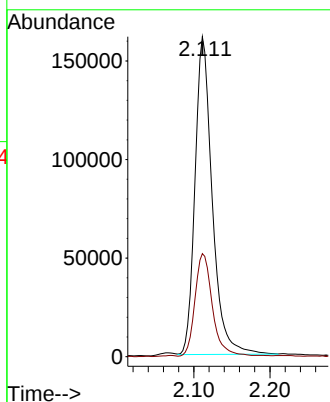
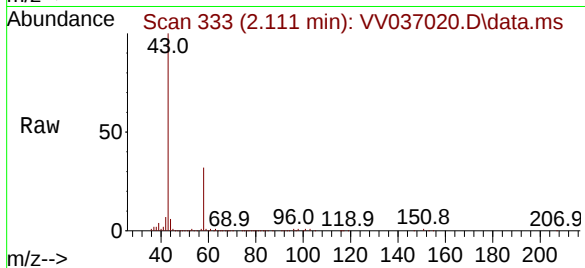
ClientSampleId :

Tgt Ion: 43 Resp: 253930

Ion Ratio Lower Upper

43 100

58 32.6 0.0 64.8



#14

Carbon disulfide

Concen: 54.754 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.003 min

Lab File: VV037020.D

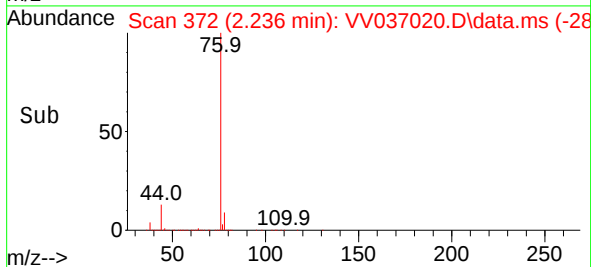
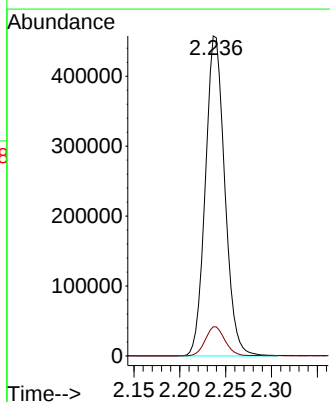
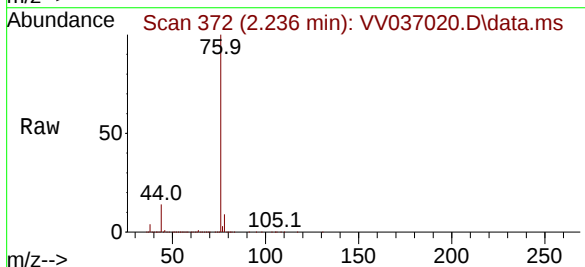
Acq: 26 Aug 2024 12:28

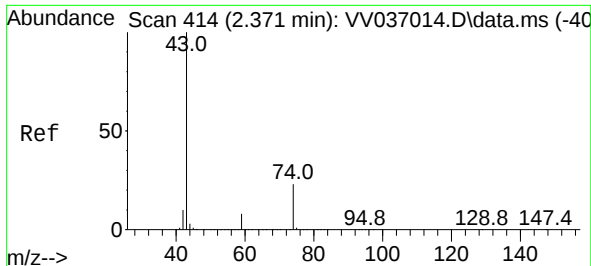
Tgt Ion: 76 Resp: 674389

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





#15

Methyl Acetate

Concen: 58.911 ug/L

RT: 2.372 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Instrument :

MSVOA_V

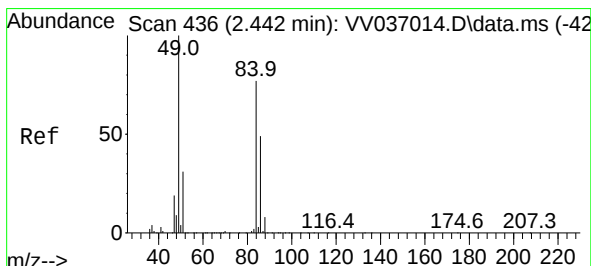
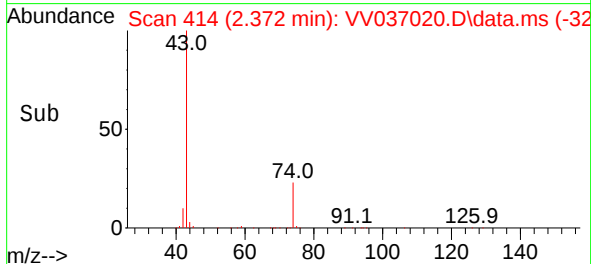
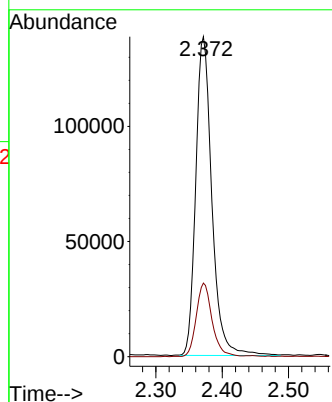
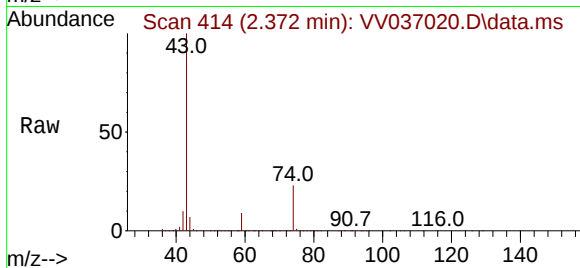
ClientSampleId :

Tgt Ion: 43 Resp: 233342

Ion Ratio Lower Upper

43 100

74 22.5 18.4 27.6



#16

Methylene chloride

Concen: 55.135 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

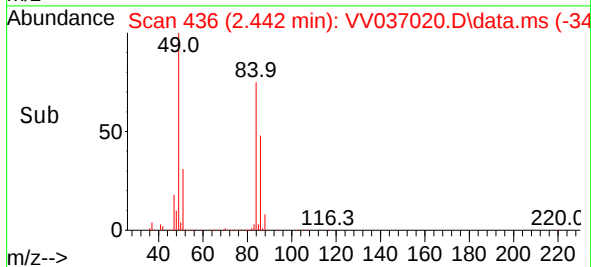
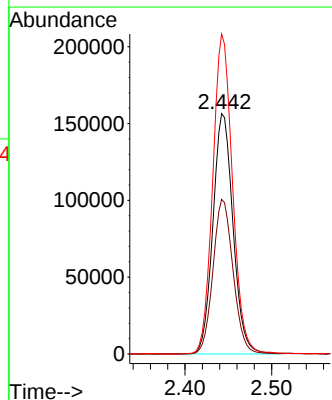
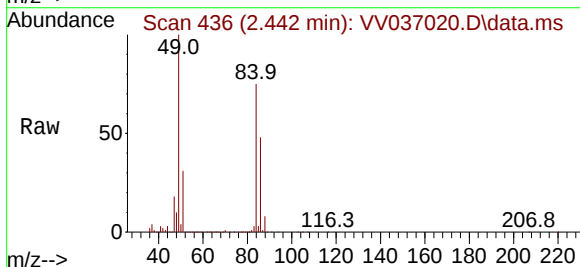
Tgt Ion: 84 Resp: 252387

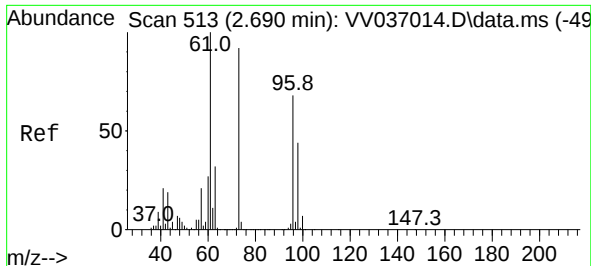
Ion Ratio Lower Upper

84 100

86 64.3 44.7 82.9

49 133.2 91.4 169.8





#17

trans-1,2-Dichloroethene

Concen: 56.327 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

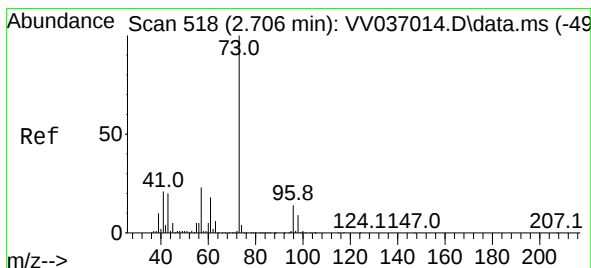
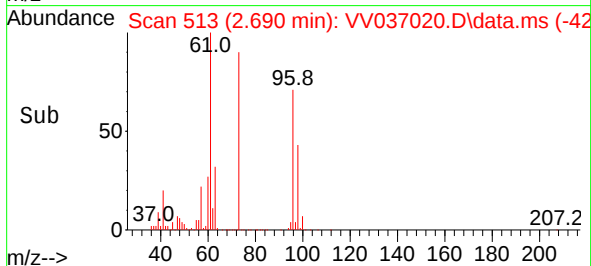
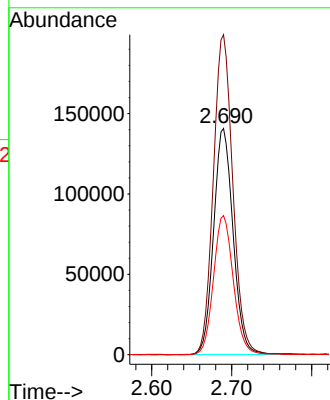
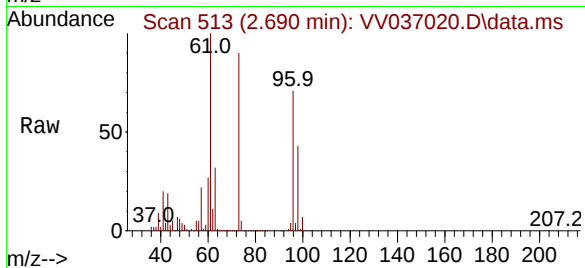
Tgt Ion: 96 Resp: 237243

Ion Ratio Lower Upper

96 100

61 141.4 102.3 189.9

98 61.4 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 56.770 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

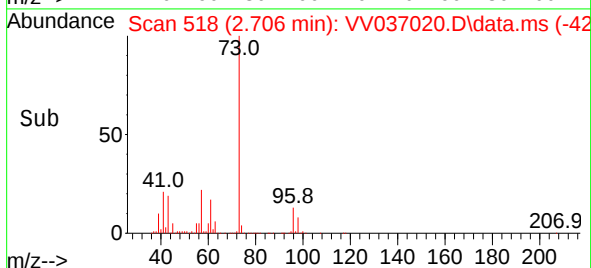
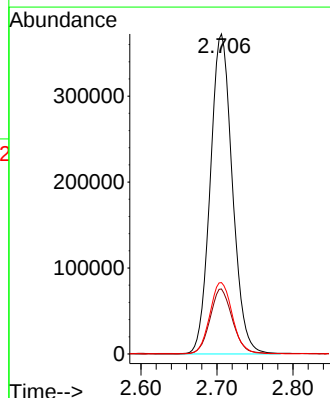
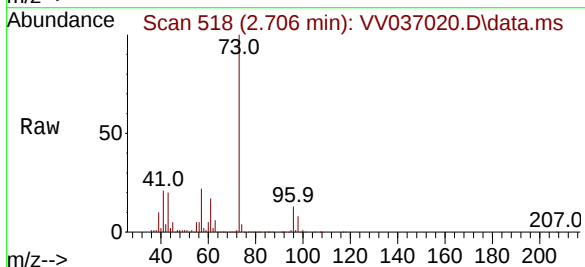
Tgt Ion: 73 Resp: 752162

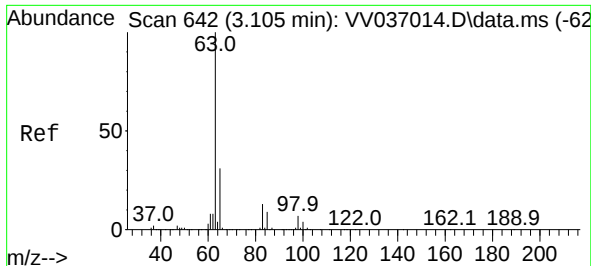
Ion Ratio Lower Upper

73 100

43 20.3 15.8 23.6

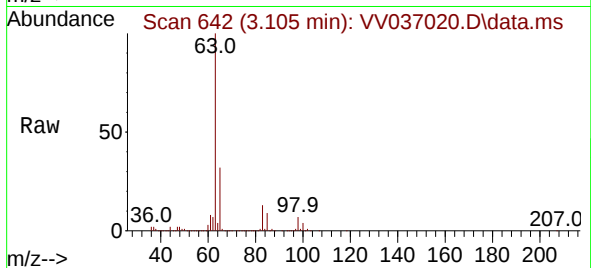
57 22.8 18.1 27.1



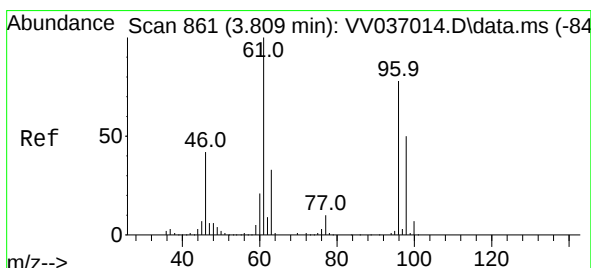
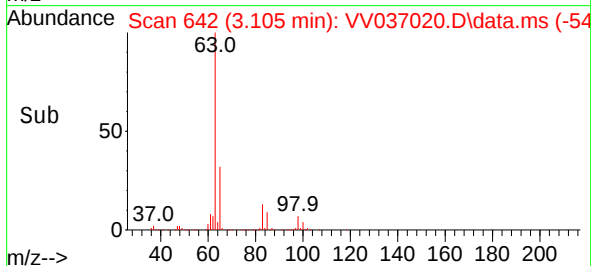
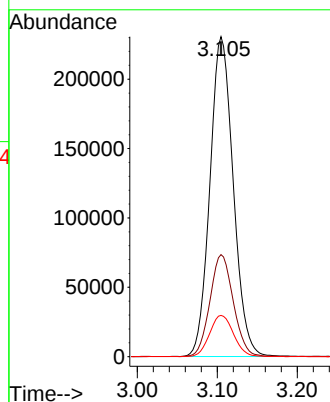


#19
1,1-Dichloroethane
Concen: 55.792 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

Instrument :
MSVOA_V
ClientSampleId :

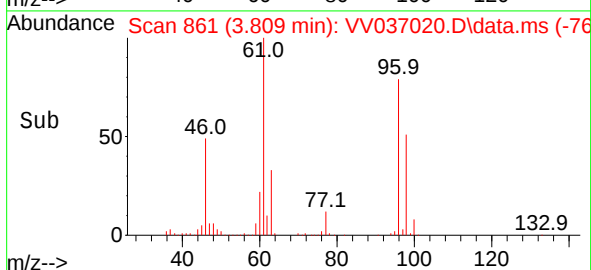
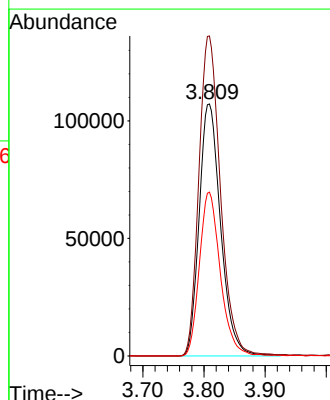
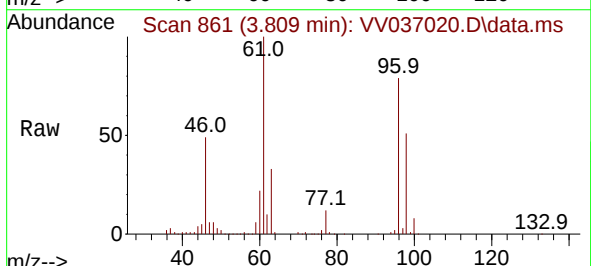


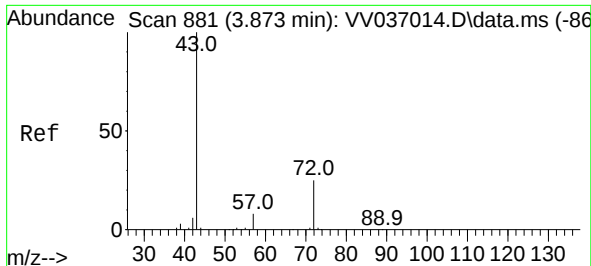
Tgt Ion: 63 Resp: 466671
Ion Ratio Lower Upper
63 100
65 31.9 22.0 41.0
83 12.9 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 56.188 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

Tgt Ion: 96 Resp: 261504
Ion Ratio Lower Upper
96 100
61 127.0 89.9 166.9
98 65.0 44.8 83.2





#22

2-Butanone

Concen: 113.082 ug/L

RT: 3.876 min Scan# 881

Delta R.T. 0.003 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Instrument :

MSVOA_V

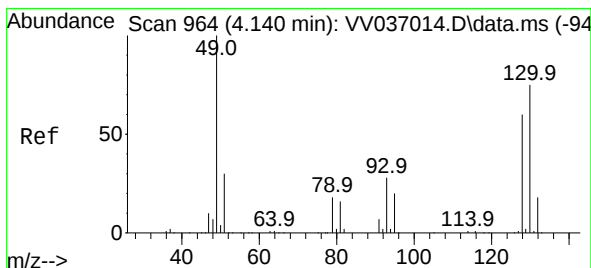
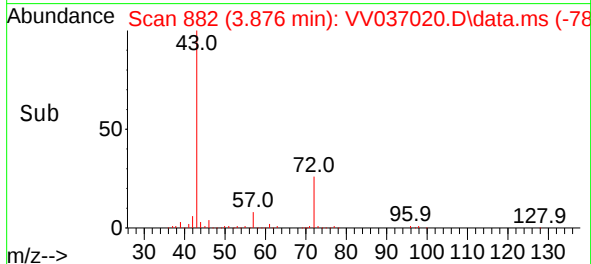
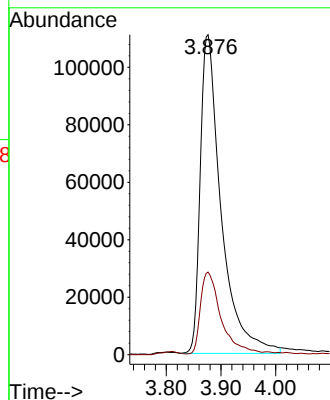
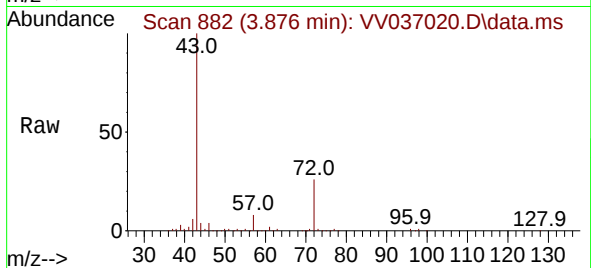
ClientSampleId :

Tgt Ion: 43 Resp: 294156

Ion Ratio Lower Upper

43 100

72 25.0 12.7 38.0



#23

Bromochloromethane

Concen: 56.906 ug/L

RT: 4.140 min Scan# 964

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Tgt Ion:128 Resp: 130010

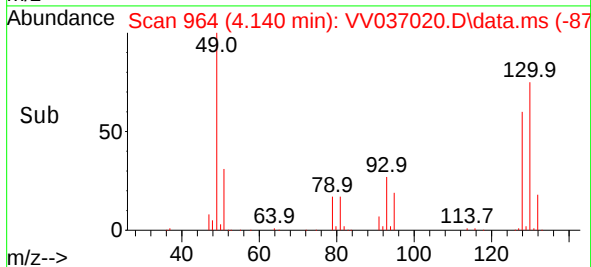
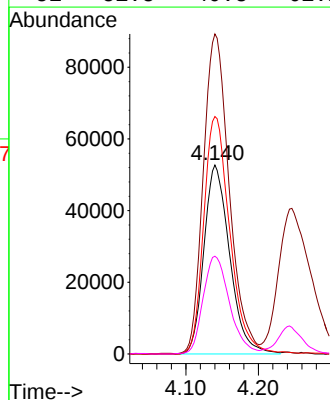
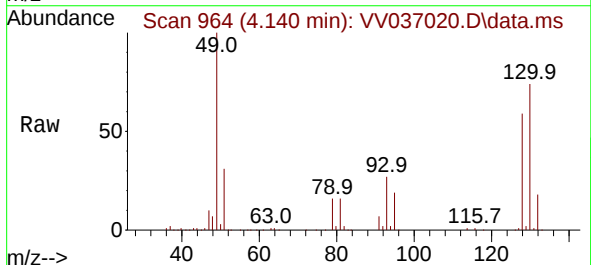
Ion Ratio Lower Upper

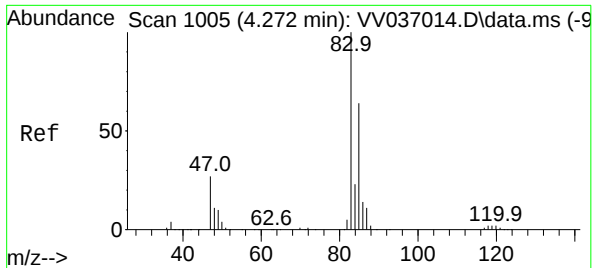
128 100

49 169.3 117.2 217.6

130 125.7 87.6 162.8

51 51.8 40.8 61.2





#25

Chloroform

Concen: 54.936 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Instrument :

MSVOA_V

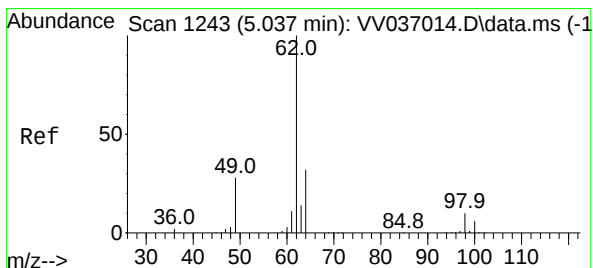
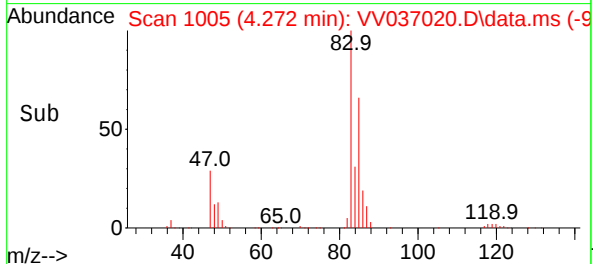
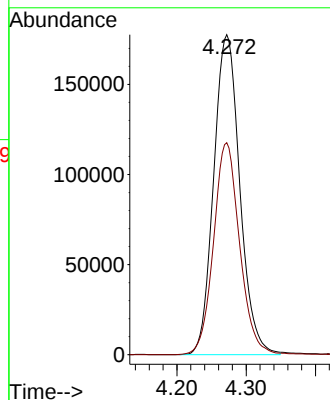
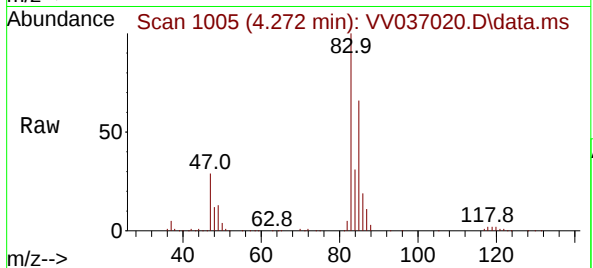
ClientSampleId :

Tgt Ion: 83 Resp: 465363

Ion Ratio Lower Upper

83 100

85 66.2 45.1 83.7



#27

1,2-Dichloroethane

Concen: 56.190 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV037020.D

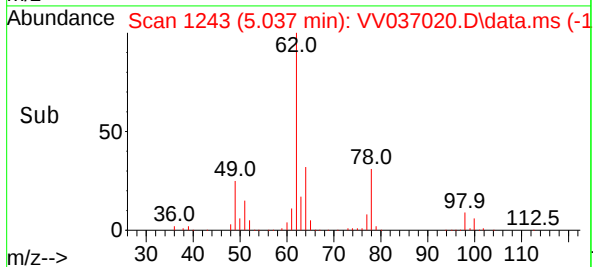
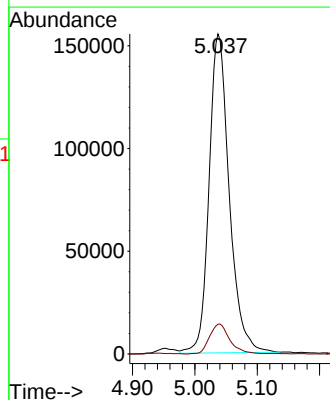
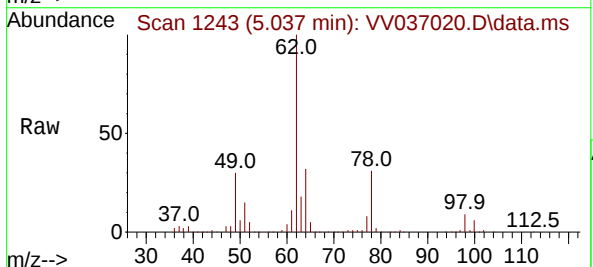
Acq: 26 Aug 2024 12:28

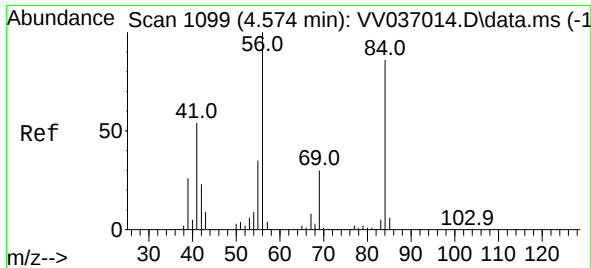
Tgt Ion: 62 Resp: 349159

Ion Ratio Lower Upper

62 100

98 9.3 8.0 12.0





#29

Cyclohexane

Concen: 55.792 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. -0.003 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

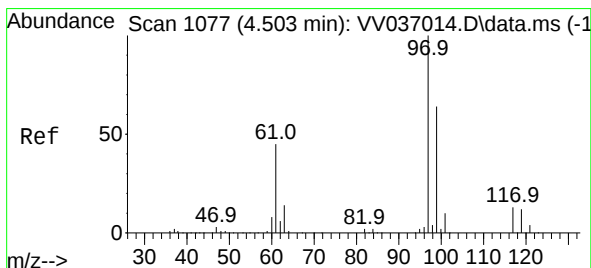
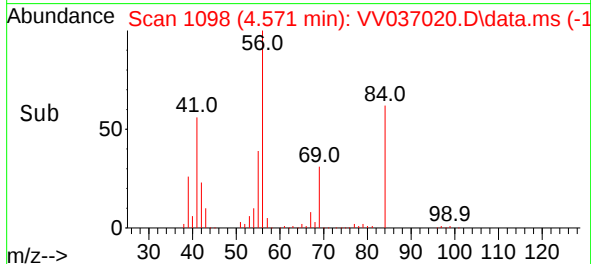
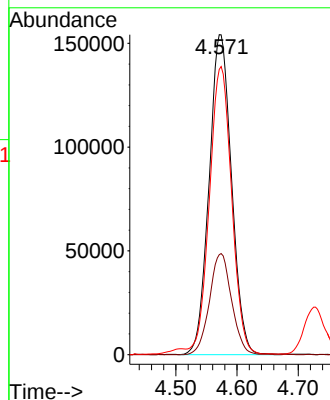
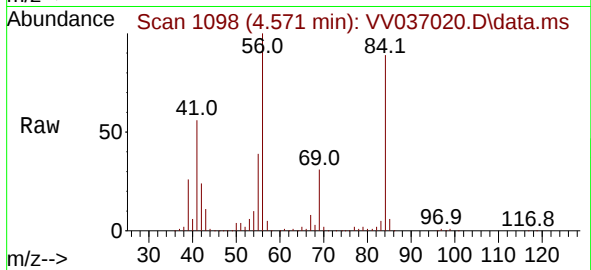
Tgt Ion: 56 Resp: 393313

Ion Ratio Lower Upper

56 100

69 31.2 24.2 36.4

84 89.1 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 55.538 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

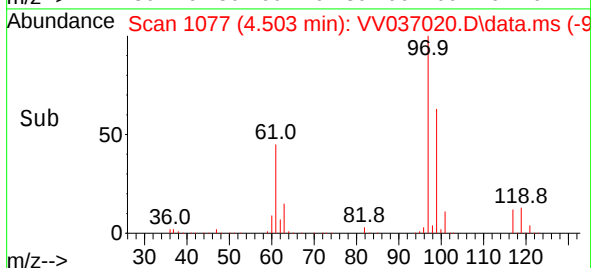
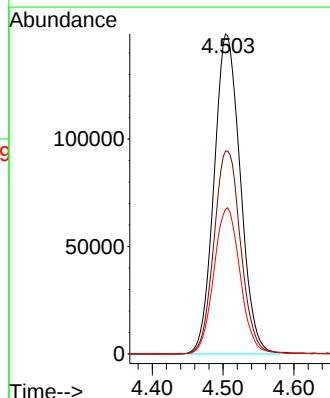
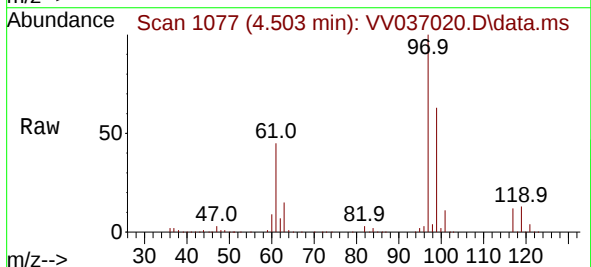
Tgt Ion: 97 Resp: 383149

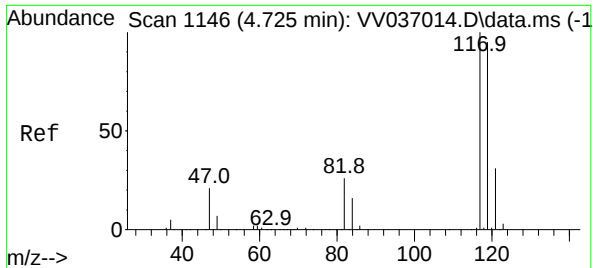
Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

61 46.1 35.8 53.6

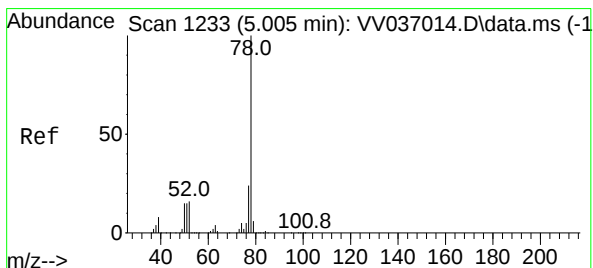
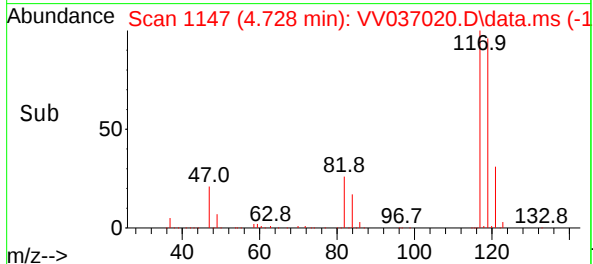
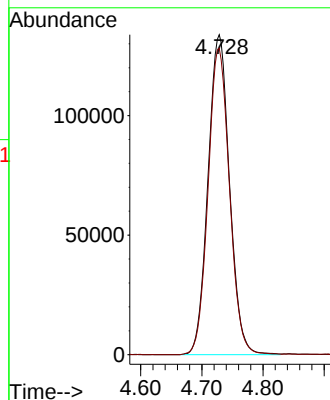
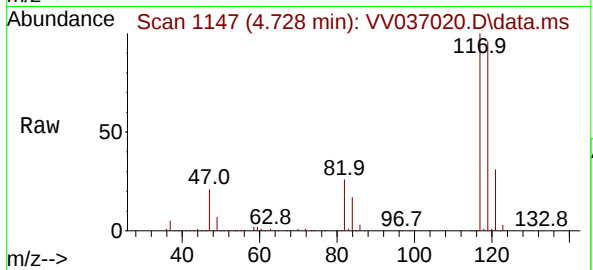




#31
Carbon tetrachloride
Concen: 56.257 ug/L
RT: 4.728 min Scan# 1146
Delta R.T. 0.003 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

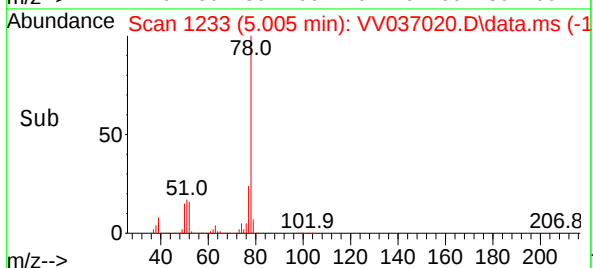
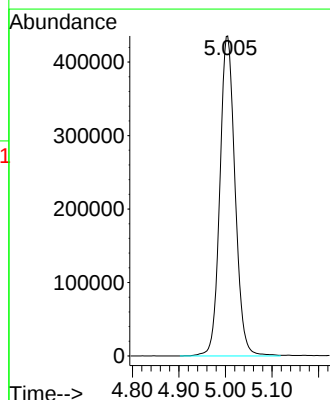
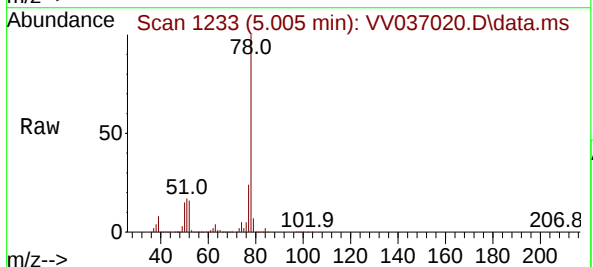
Instrument :
MSVOA_V
ClientSampleId :

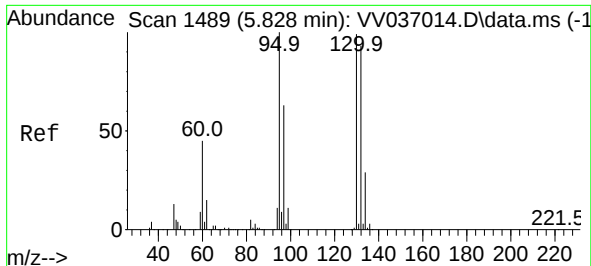
Tgt Ion:117 Resp: 327493
Ion Ratio Lower Upper
117 100
119 95.3 75.8 113.6



#33
Benzene
Concen: 57.150 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

Tgt Ion: 78 Resp: 988871

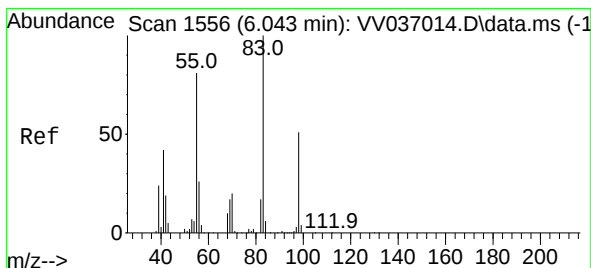
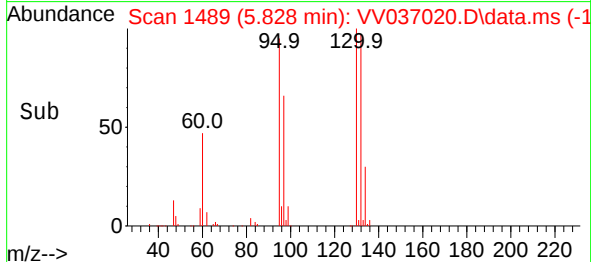
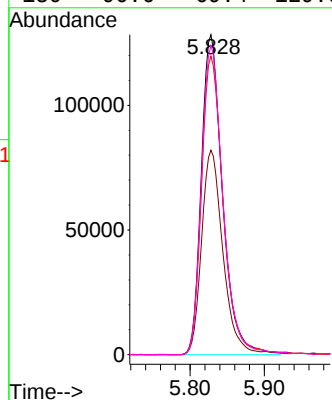
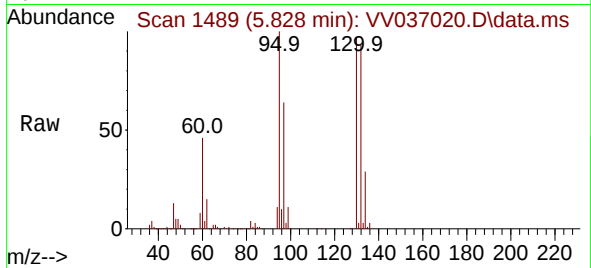




#34
Trichloroethene
Concen: 55.864 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

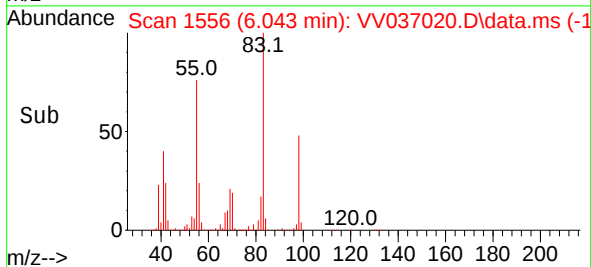
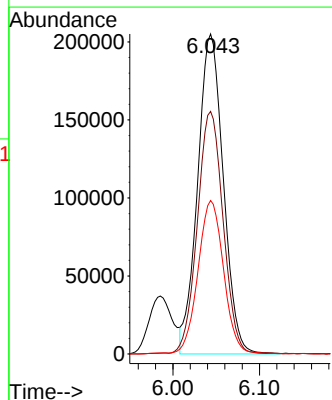
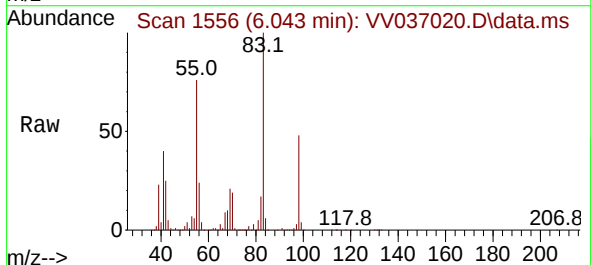
Instrument :
MSVOA_V
ClientSampleId :

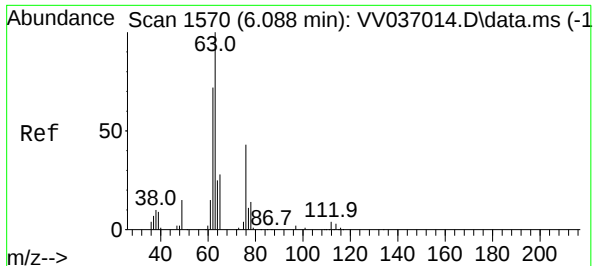
Tgt Ion: 95 Resp: 255133
Ion Ratio Lower Upper
95 100
97 63.9 44.4 82.5
132 93.3 64.9 120.5
130 96.6 69.4 129.0



#35
Methylcyclohexane
Concen: 56.940 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

Tgt Ion: 83 Resp: 422507
Ion Ratio Lower Upper
83 100
55 75.9 61.2 91.8
98 47.9 39.3 58.9





#37

1,2-Dichloropropane

Concen: 55.026 ug/L

RT: 6.088 min Scan# 1570

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Instrument :

MSVOA_V

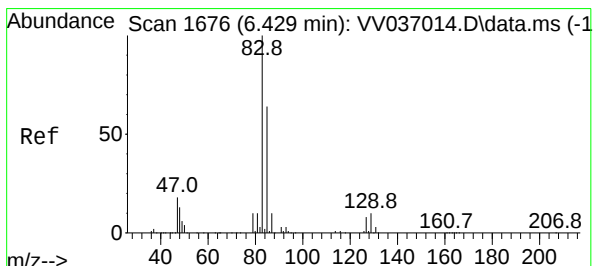
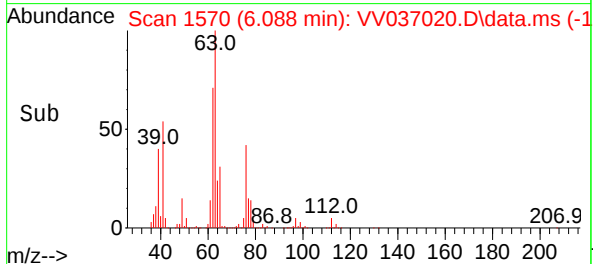
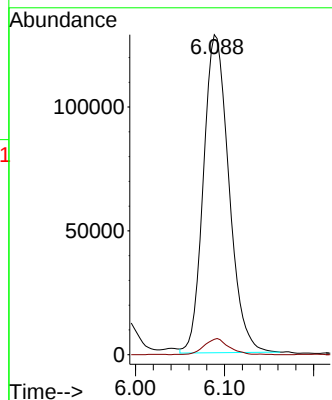
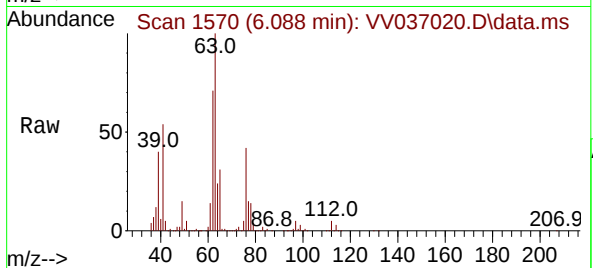
ClientSampleId :

Tgt Ion: 63 Resp: 255254

Ion Ratio Lower Upper

63 100

112 4.9 3.5 5.3



#38

Bromodichloromethane

Concen: 56.238 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

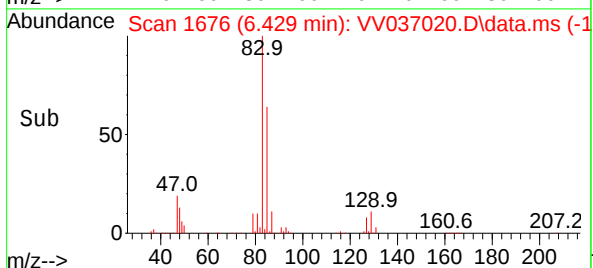
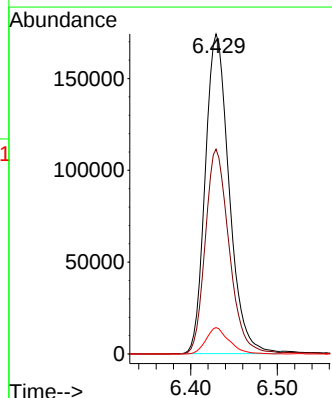
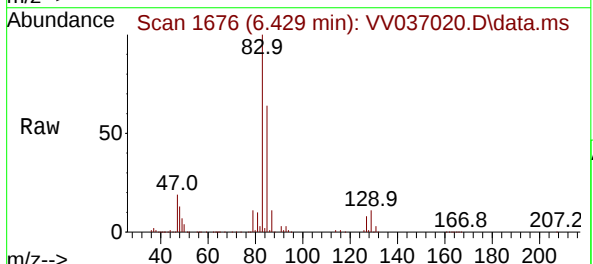
Tgt Ion: 83 Resp: 334368

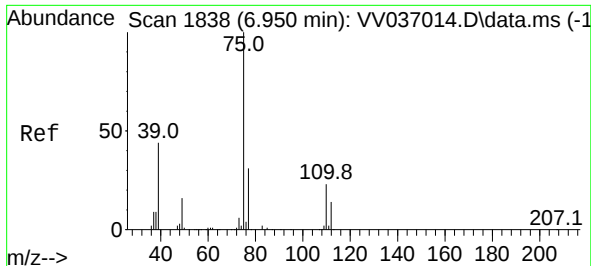
Ion Ratio Lower Upper

83 100

85 64.0 44.5 82.7

127 8.3 6.1 9.1

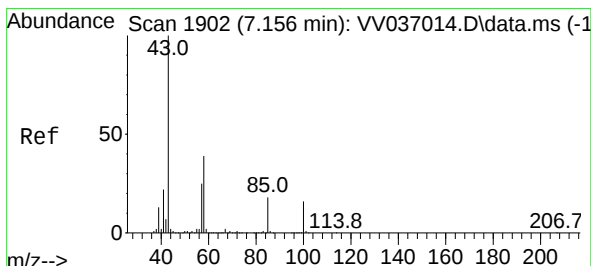
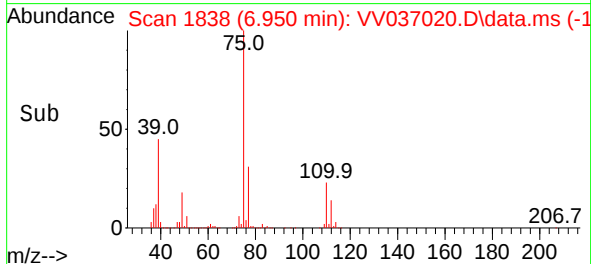
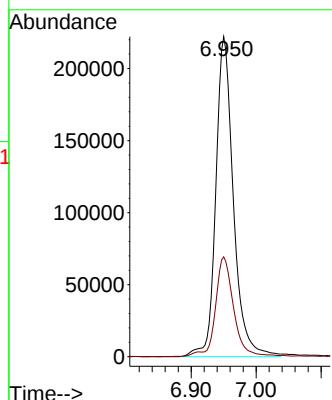
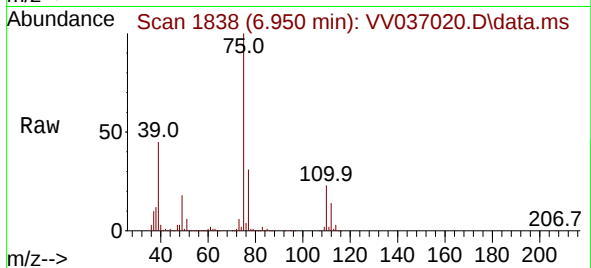




#39
cis-1,3-Dichloropropene
Concen: 56.974 ug/L
RT: 6.950 min Scan# 1838
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

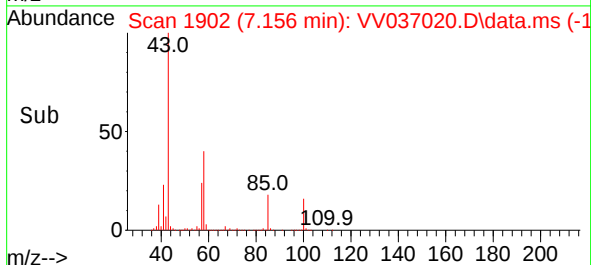
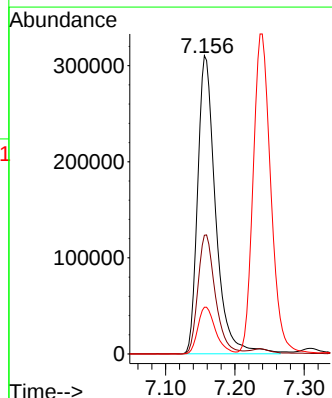
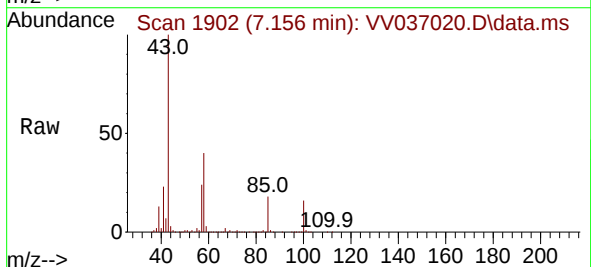
Instrument :
MSVOA_V
ClientSampleId :

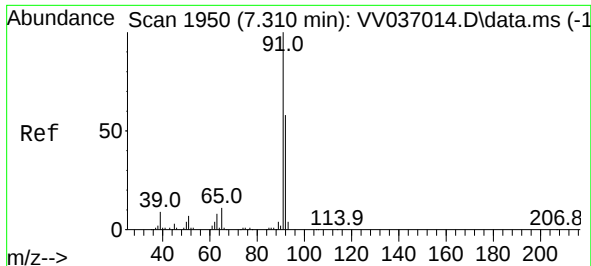
Tgt Ion: 75 Resp: 417076
Ion Ratio Lower Upper
75 100
77 31.2 21.7 40.3



#40
4-Methyl-2-pentanone
Concen: 118.433 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

Tgt Ion: 43 Resp: 558533
Ion Ratio Lower Upper
43 100
58 39.0 32.0 48.0
100 15.5 12.4 18.6





#42

Toluene

Concen: 57.497 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Instrument :

MSVOA_V

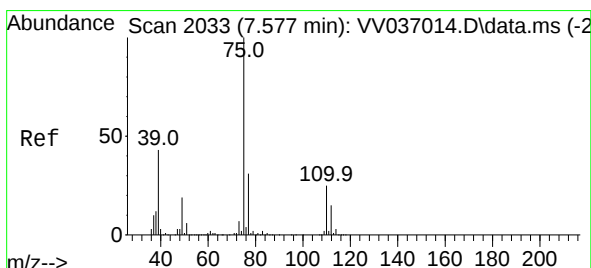
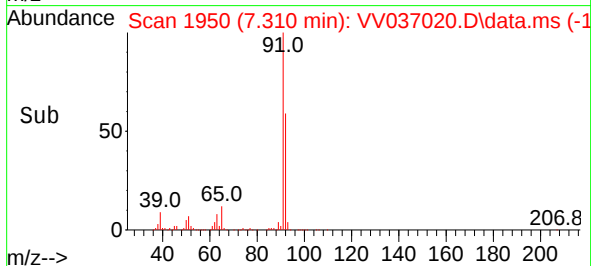
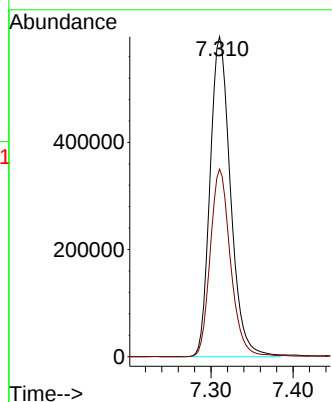
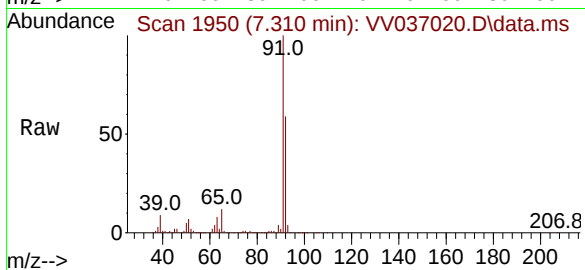
ClientSampleId :

Tgt Ion: 91 Resp: 1035847

Ion Ratio Lower Upper

91 100

92 58.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 56.875 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV037020.D

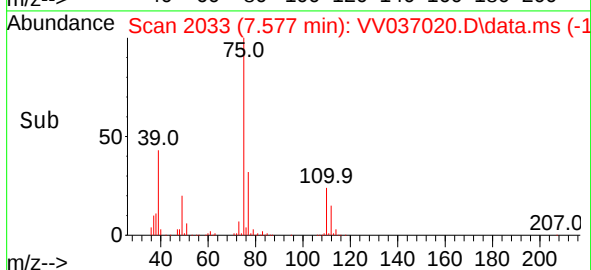
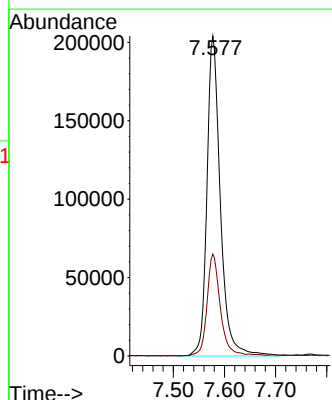
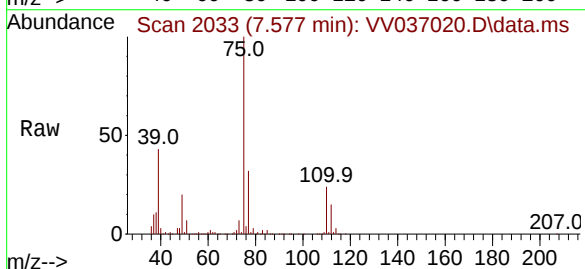
Acq: 26 Aug 2024 12:28

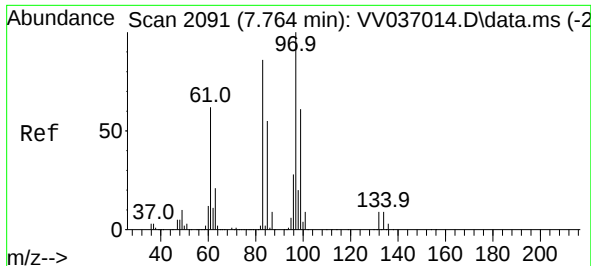
Tgt Ion: 75 Resp: 372150

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 56.346 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 243315

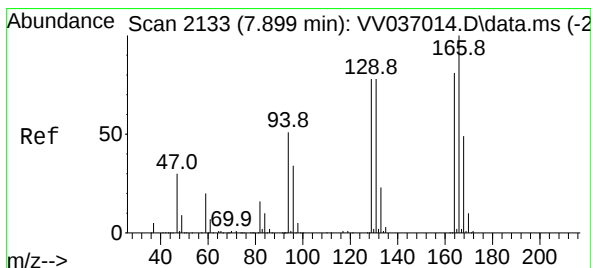
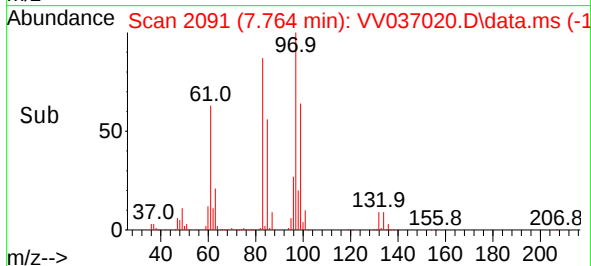
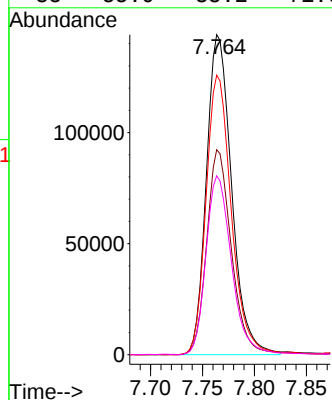
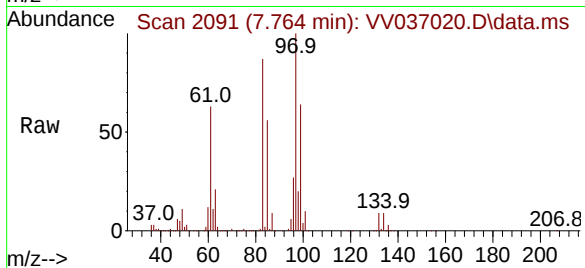
Ion Ratio Lower Upper

97 100

99 64.0 42.6 79.0

83 87.4 60.5 112.3

85 55.9 38.2 71.0



#46

Tetrachloroethene

Concen: 56.001 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Tgt Ion:164 Resp: 183509

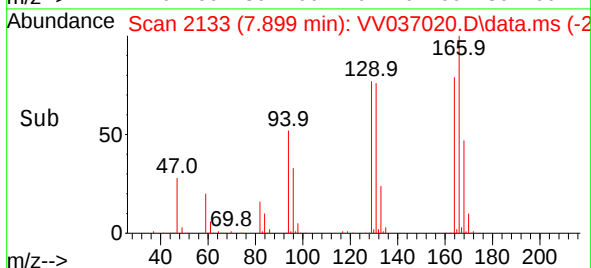
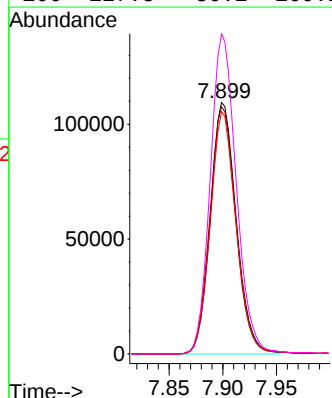
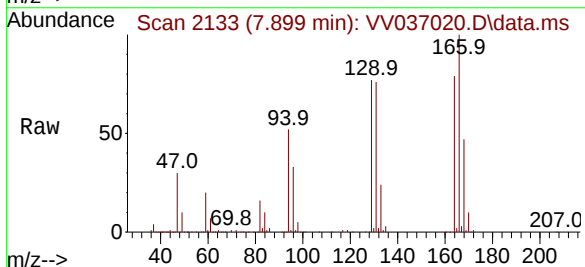
Ion Ratio Lower Upper

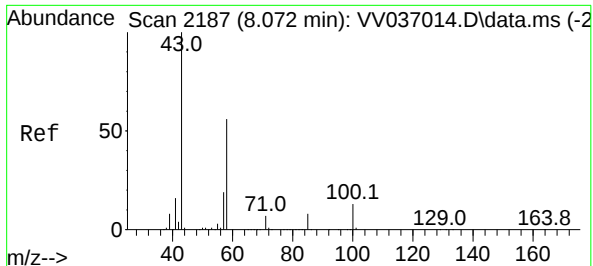
164 100

129 98.4 67.1 124.7

131 96.4 67.0 124.4

166 127.3 86.2 160.2





#48

2-Hexanone

Concen: 115.404 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. 0.000 min

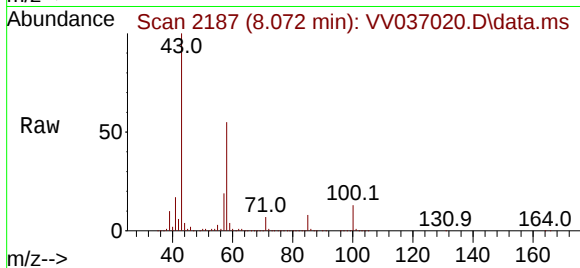
Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 420911

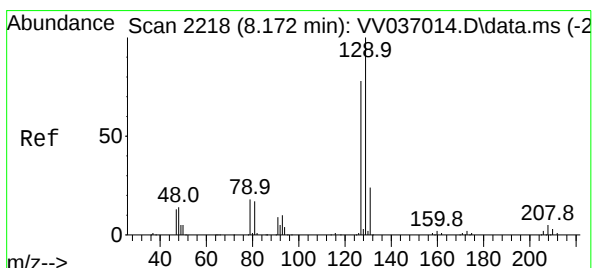
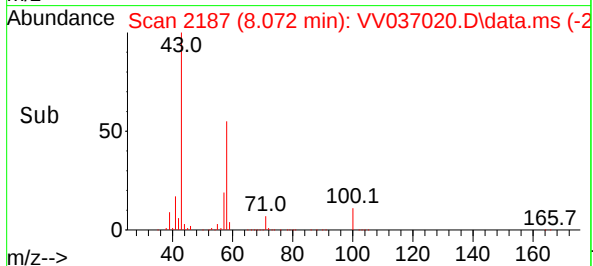
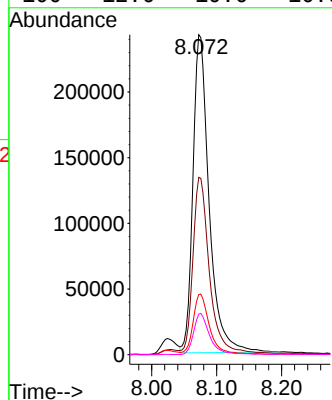
Ion Ratio Lower Upper

43 100

58 55.3 46.0 69.0

57 18.2 15.6 23.4

100 12.6 10.6 16.0



#49

Dibromochloromethane

Concen: 55.651 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.000 min

Lab File: VV037020.D

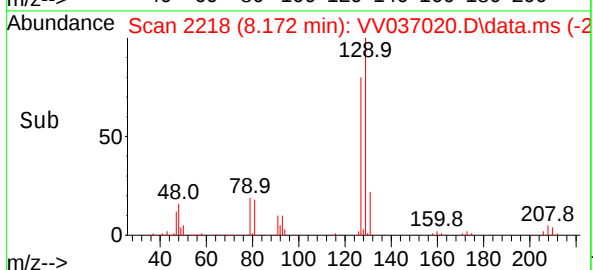
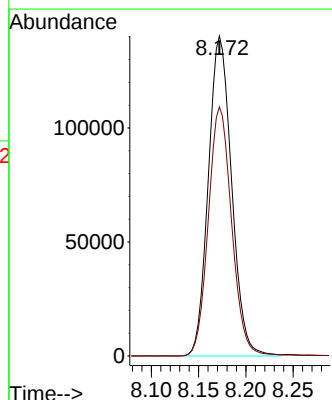
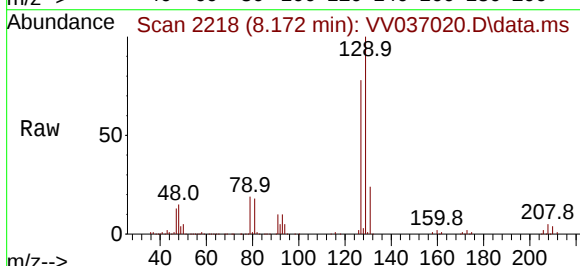
Acq: 26 Aug 2024 12:28

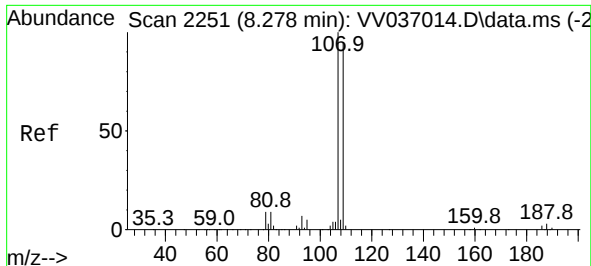
Tgt Ion:129 Resp: 240632

Ion Ratio Lower Upper

129 100

127 77.9 54.7 101.7

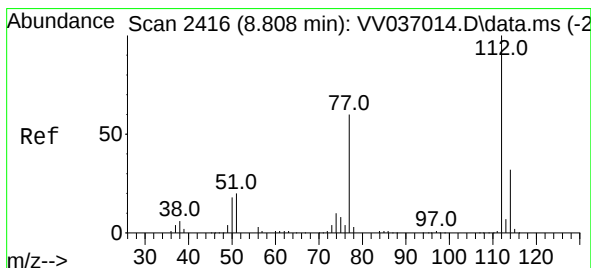
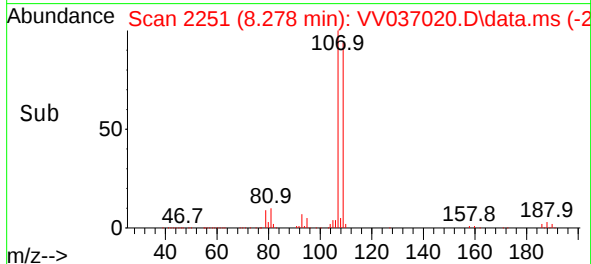
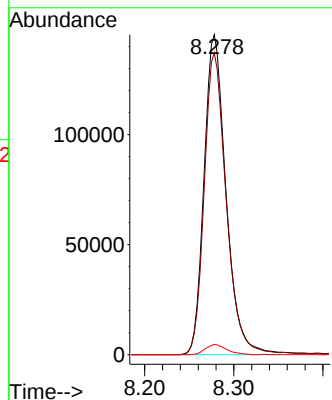
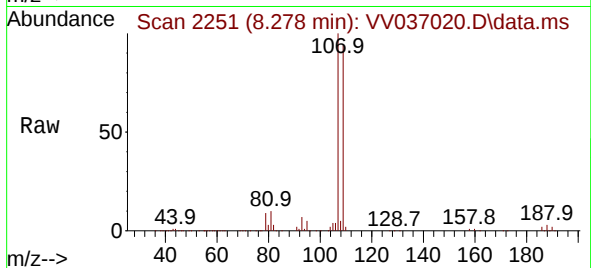




#50
1,2-Dibromoethane
Concen: 56.995 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

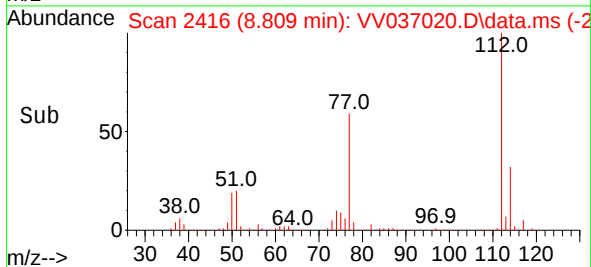
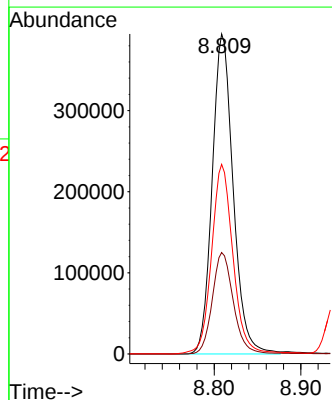
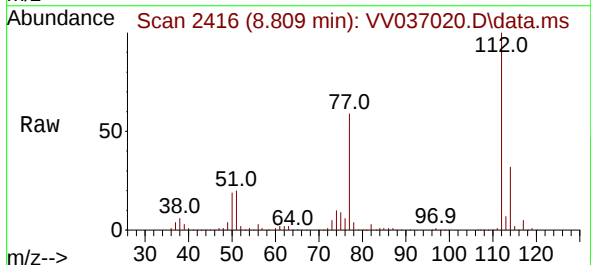
Instrument :
MSVOA_V
ClientSampleId :

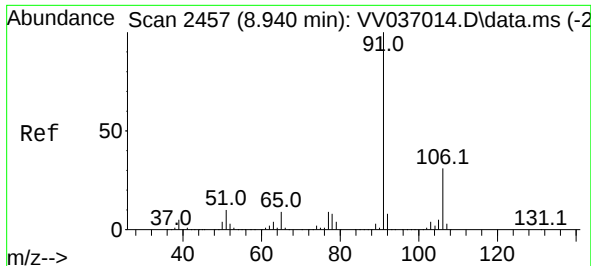
Tgt Ion:107 Resp: 249050
Ion Ratio Lower Upper
107 100
109 94.4 66.6 123.6
188 3.2 2.6 3.8



#51
Chlorobenzene
Concen: 55.764 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

Tgt Ion:112 Resp: 665095
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.5
77 59.3 47.8 71.8

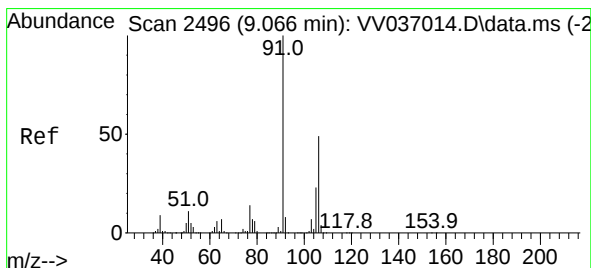
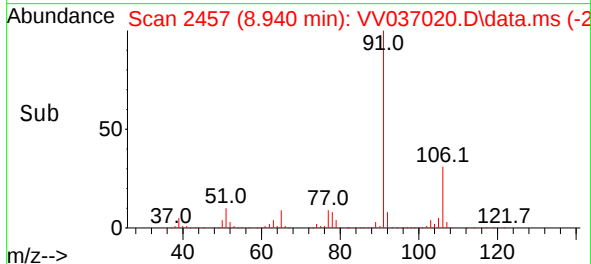
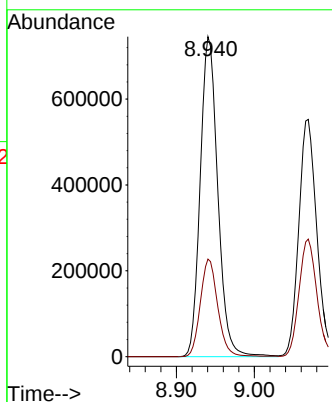
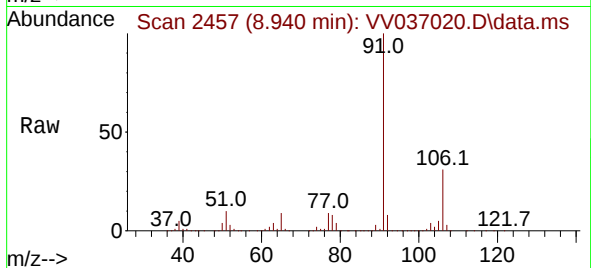




#52
Ethylbenzene
Concen: 57.378 ug/L
RT: 8.940 min Scan# 2457
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

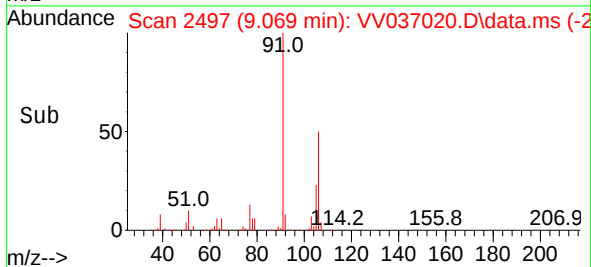
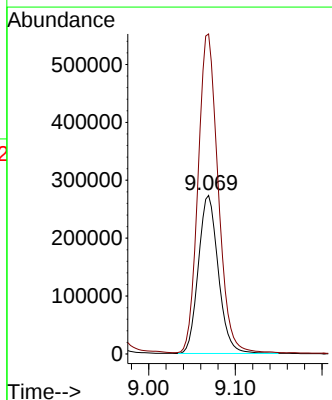
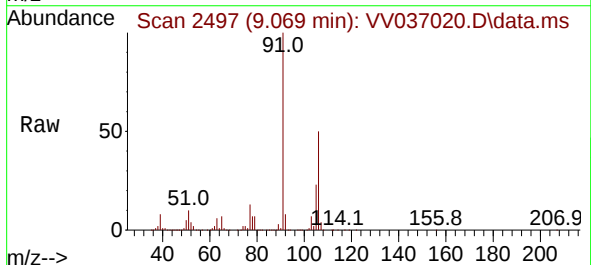
Instrument :
MSVOA_V
ClientSampleId :

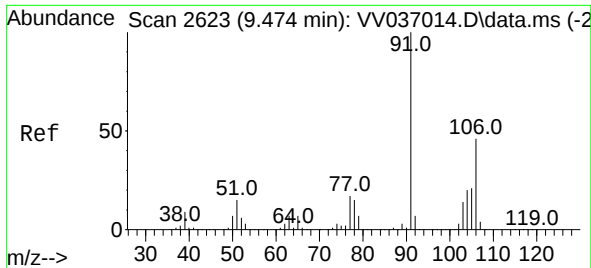
Tgt Ion: 91 Resp: 1167616
Ion Ratio Lower Upper
91 100
106 30.5 21.4 39.8



#53
m,p-Xylene
Concen: 57.895 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.003 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

Tgt Ion: 106 Resp: 436513
Ion Ratio Lower Upper
106 100
91 201.8 143.0 265.6

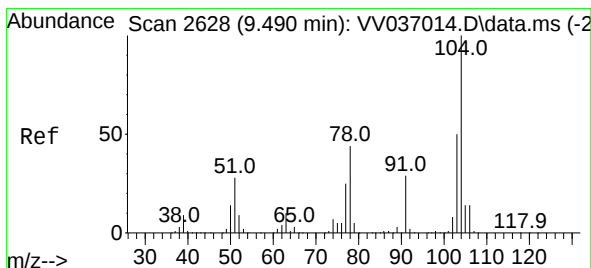
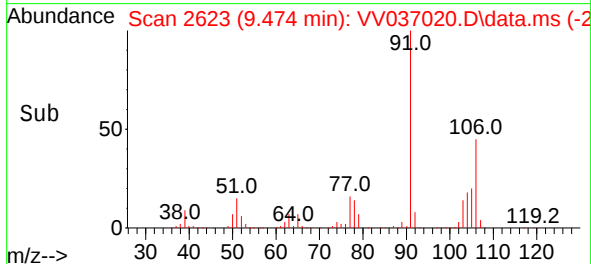
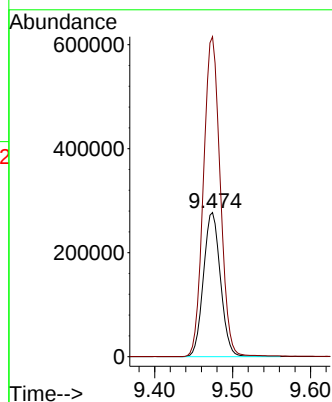
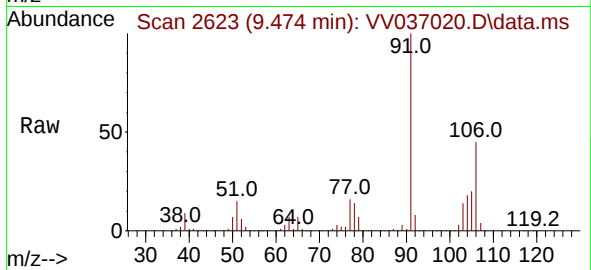




#54
o-Xylene
Concen: 57.051 ug/L
RT: 9.474 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

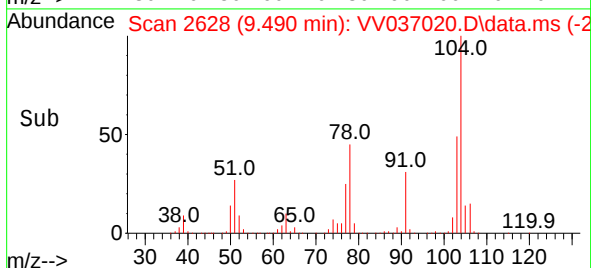
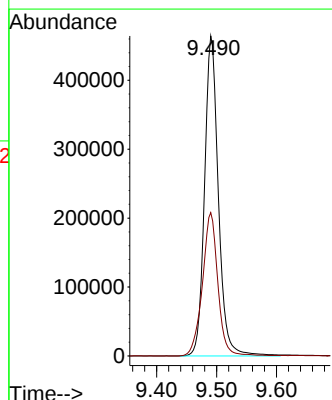
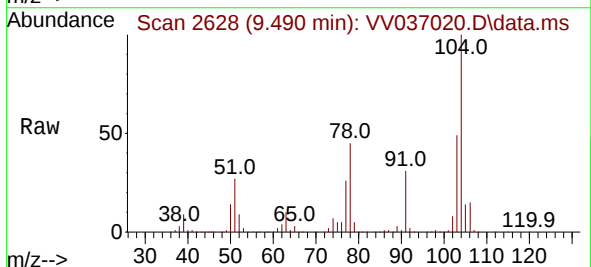
Instrument :
MSVOA_V
ClientSampleId :

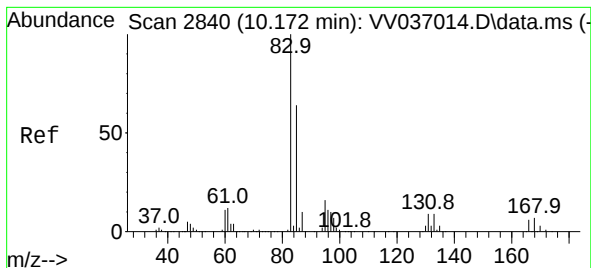
Tgt Ion:106 Resp: 421163
Ion Ratio Lower Upper
106 100
91 221.9 153.2 284.6



#55
Styrene
Concen: 58.401 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

Tgt Ion:104 Resp: 748087
Ion Ratio Lower Upper
104 100
78 44.8 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 56.982 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

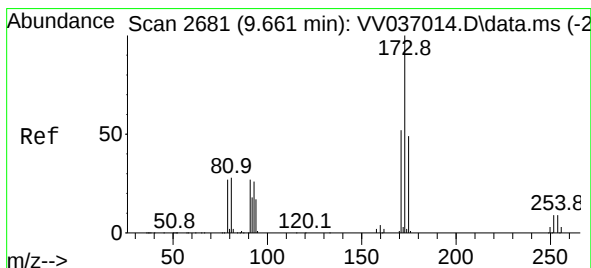
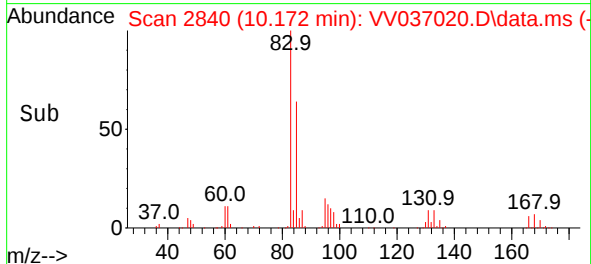
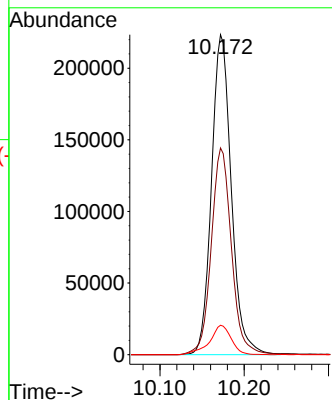
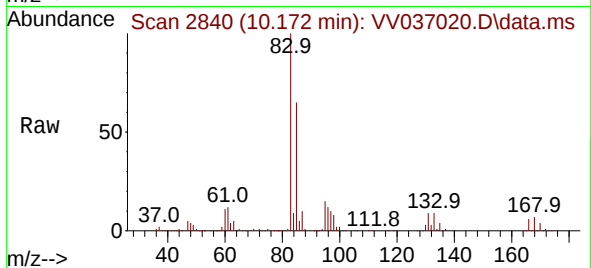
Tgt Ion: 83 Resp: 364428

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.7

131 9.2 7.4 11.0



#59

Bromoform

Concen: 55.829 ug/L

RT: 9.661 min Scan# 2681

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

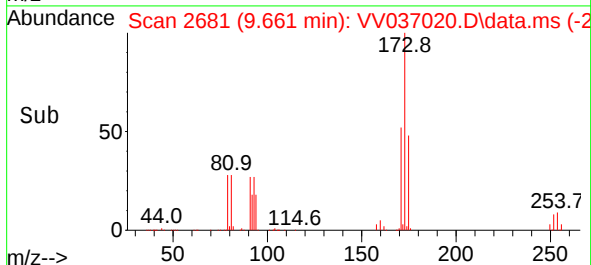
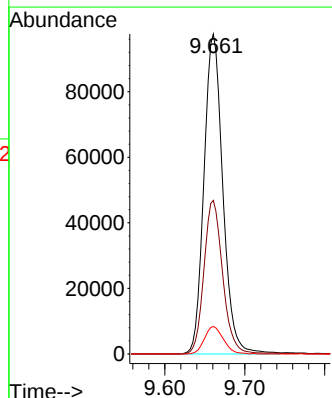
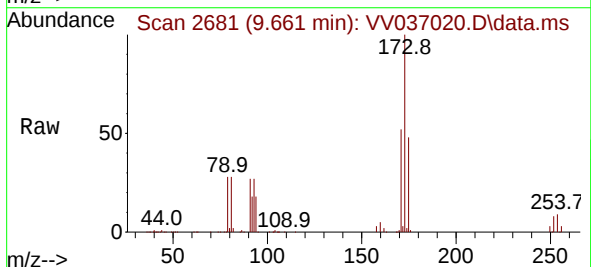
Tgt Ion: 173 Resp: 160564

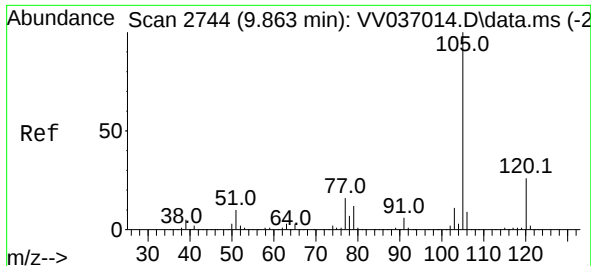
Ion Ratio Lower Upper

173 100

175 47.5 38.7 58.1

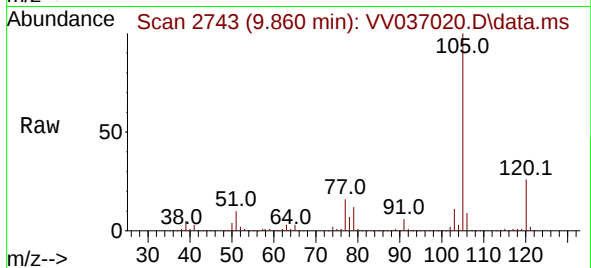
254 8.6 6.8 10.2



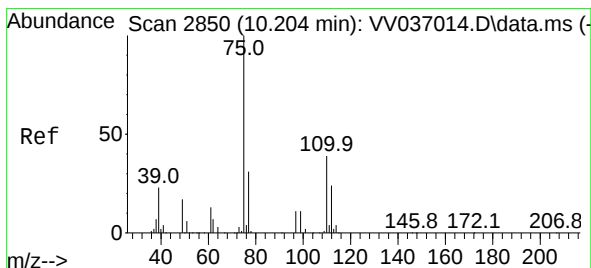
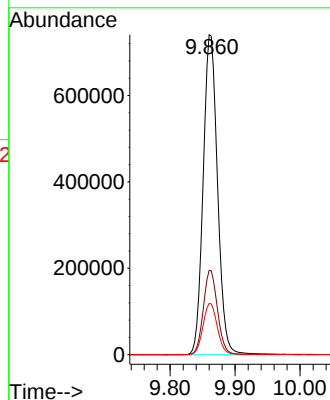
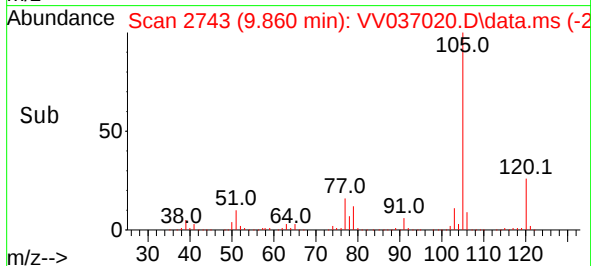


#60
Isopropylbenzene
Concen: 57.071 ug/L
RT: 9.860 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

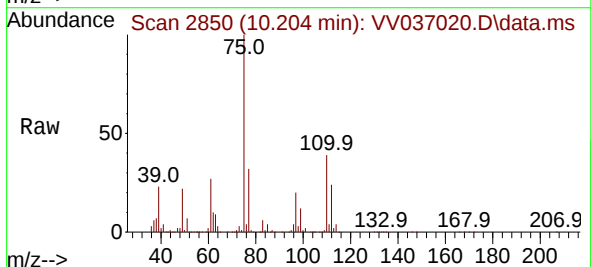
Instrument :
MSVOA_V
ClientSampleId :



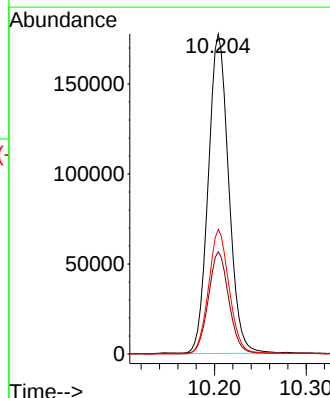
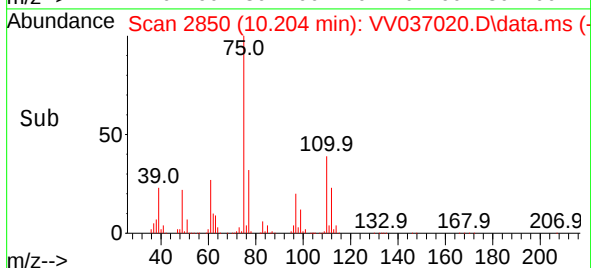
Tgt Ion:105 Resp: 1142716
Ion Ratio Lower Upper
105 100
120 25.9 20.9 31.3
77 15.9 12.6 19.0

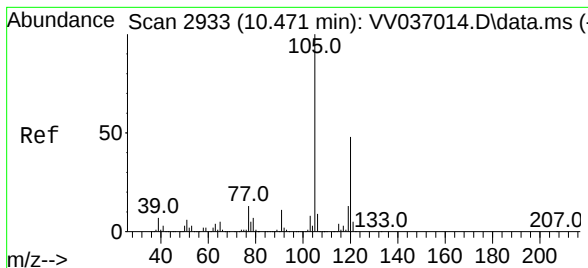


#61
1,2,3-Trichloropropane
Concen: 57.228 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28



Tgt Ion: 75 Resp: 274959
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8
110 39.4 31.1 46.7





#62

1,3,5-Trimethylbenzene

Concen: 57.125 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Instrument :

MSVOA_V

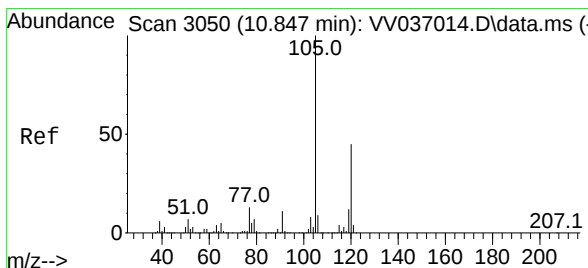
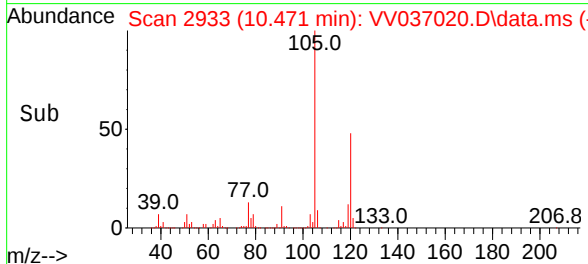
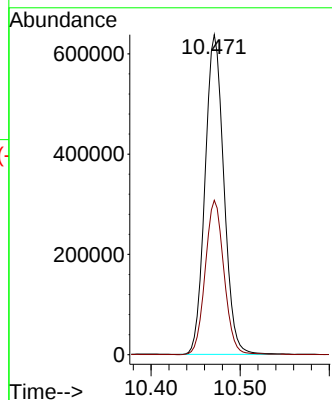
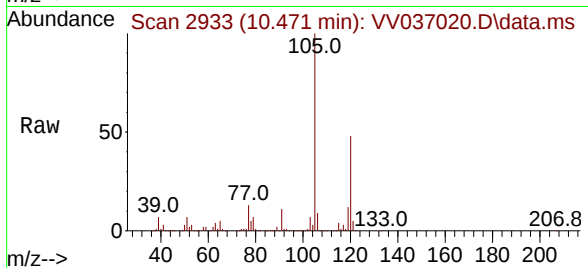
ClientSampleId :

Tgt Ion:105 Resp: 935812

Ion Ratio Lower Upper

105 100

120 48.1 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 57.860 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VV037020.D

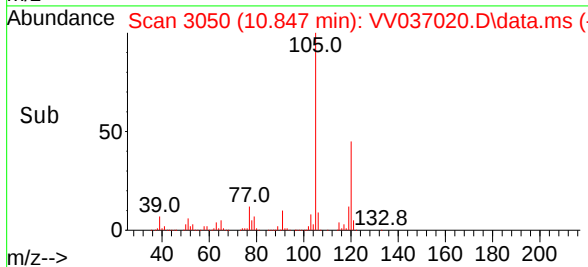
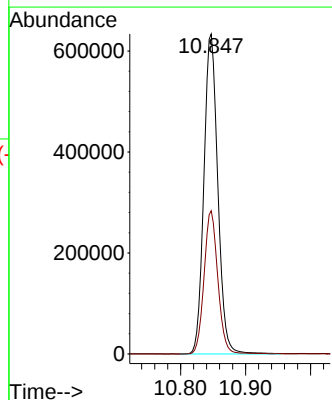
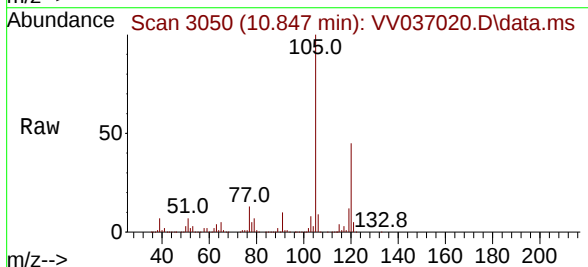
Acq: 26 Aug 2024 12:28

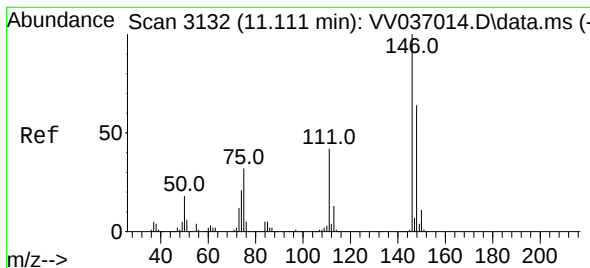
Tgt Ion:105 Resp: 945909

Ion Ratio Lower Upper

105 100

120 44.2 35.8 53.6





#64

1,3-Dichlorobenzene

Concen: 55.429 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

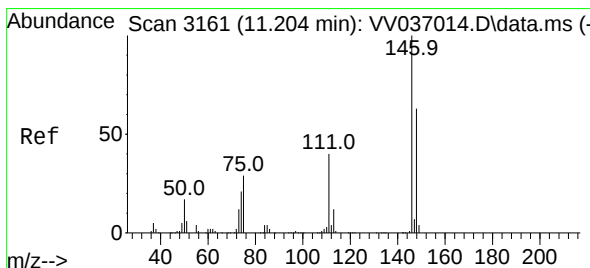
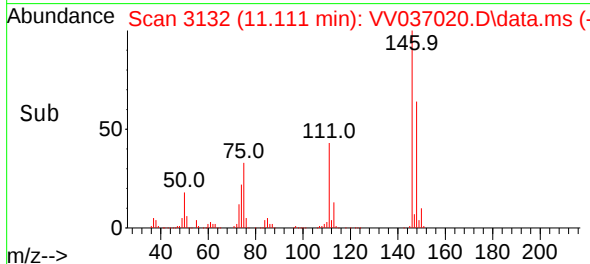
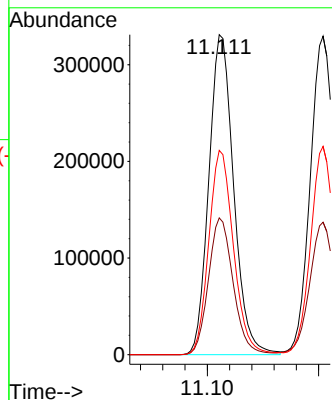
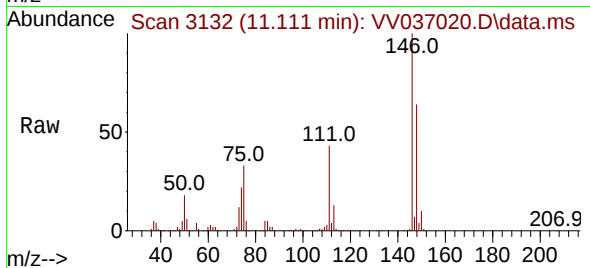
Tgt Ion:146 Resp: 512488

Ion Ratio Lower Upper

146 100

111 42.7 29.7 55.1

148 63.9 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 55.934 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

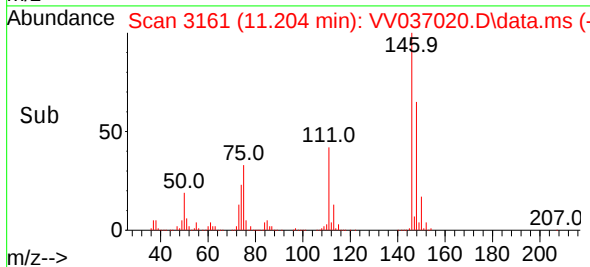
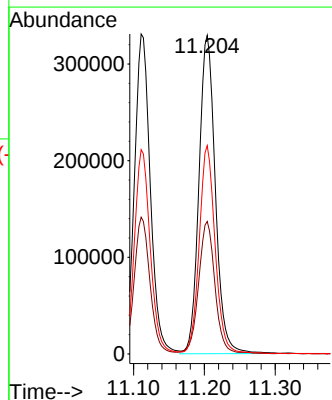
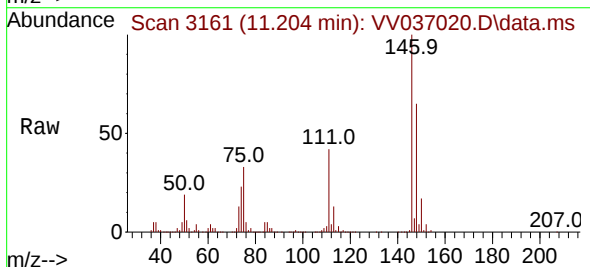
Tgt Ion:146 Resp: 529302

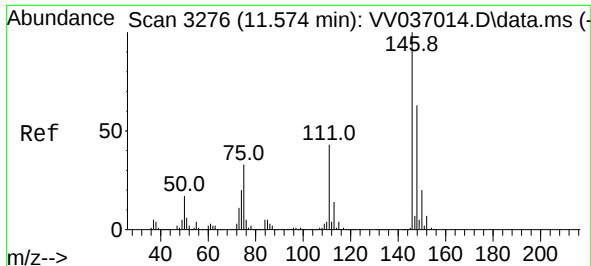
Ion Ratio Lower Upper

146 100

111 41.6 28.1 52.1

148 65.4 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 55.988 ug/L

RT: 11.574 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

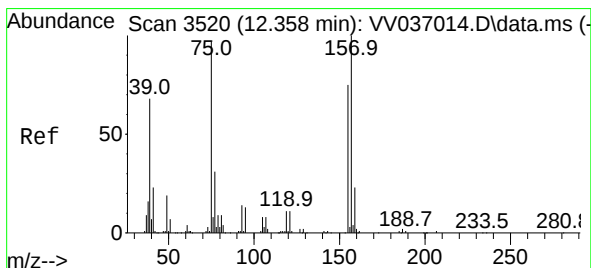
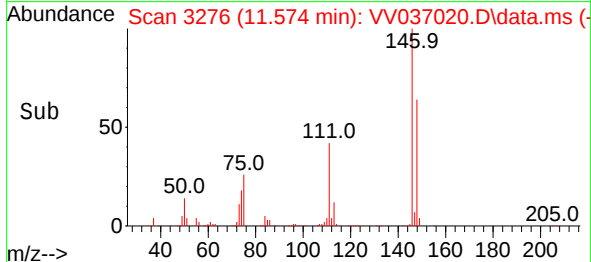
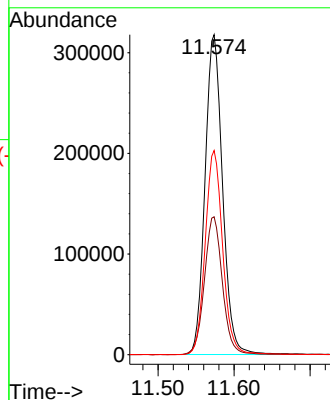
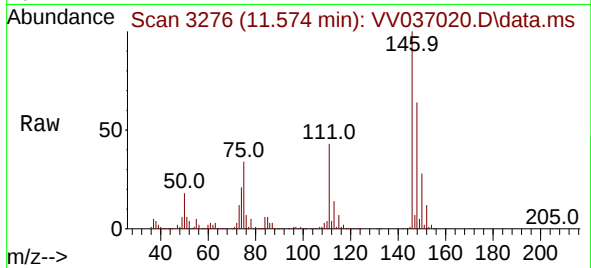
Tgt Ion:146 Resp: 508991

Ion Ratio Lower Upper

146 100

111 43.1 34.6 51.8

148 63.8 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 56.350 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

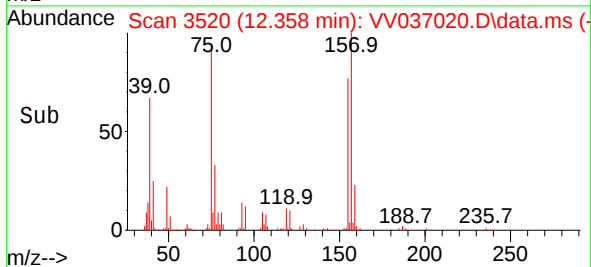
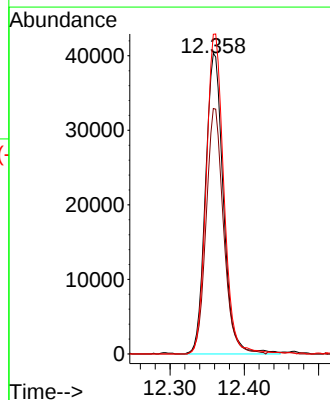
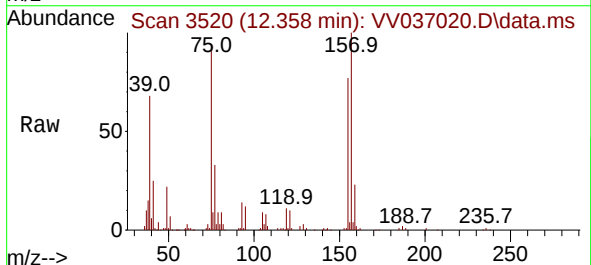
Tgt Ion: 75 Resp: 67518

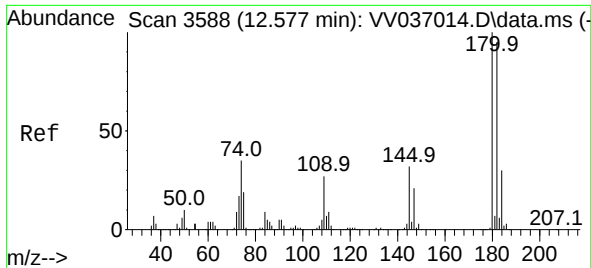
Ion Ratio Lower Upper

75 100

155 81.7 61.8 92.6

157 106.3 82.5 123.7





#69

1,3,5-Trichlorobenzene

Concen: 56.283 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

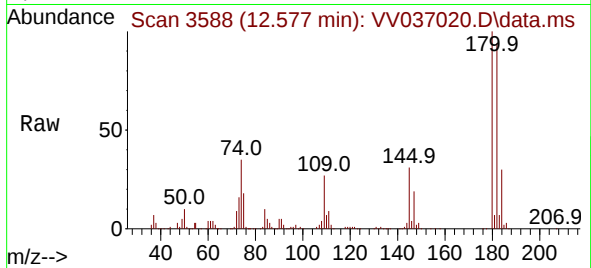
Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 362089

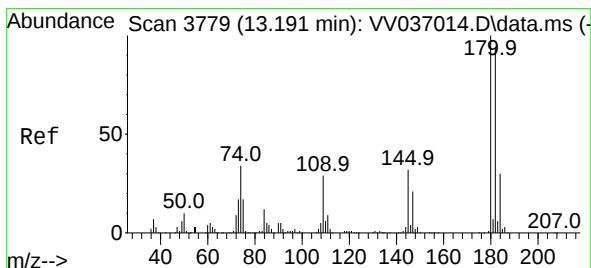
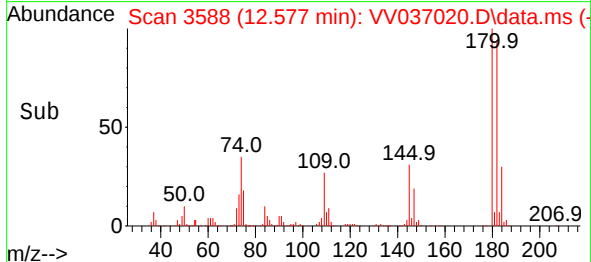
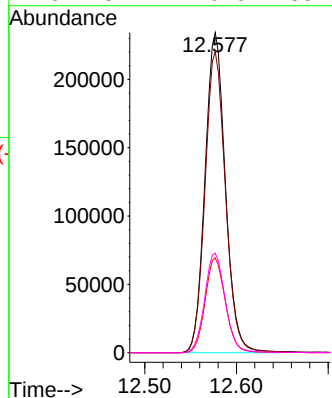
Ion Ratio Lower Upper

180 100

182 94.7 76.7 115.1

184 29.5 24.2 36.2

145 31.2 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 55.814 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV037020.D

Acq: 26 Aug 2024 12:28

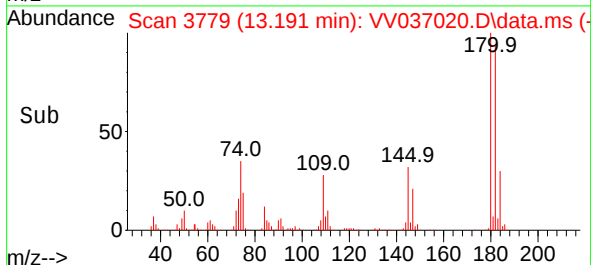
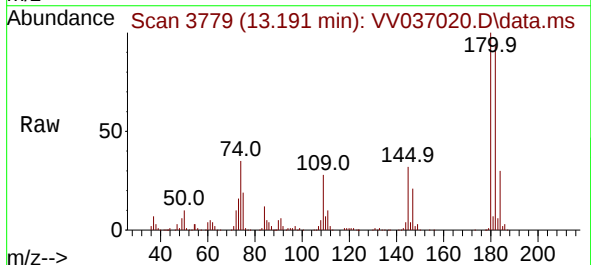
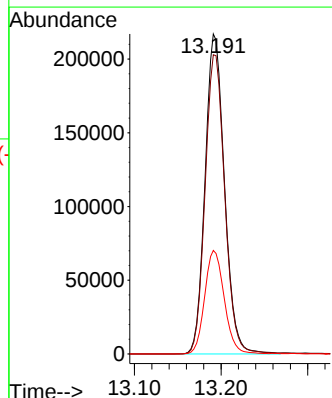
Tgt Ion:180 Resp: 338112

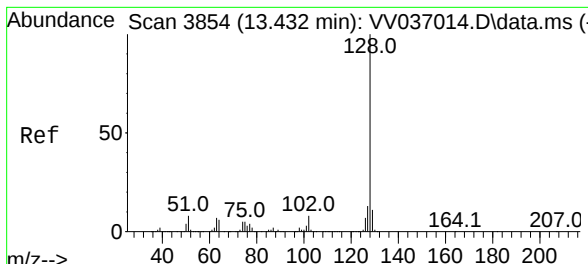
Ion Ratio Lower Upper

180 100

182 94.5 75.7 113.5

145 32.6 26.0 39.0

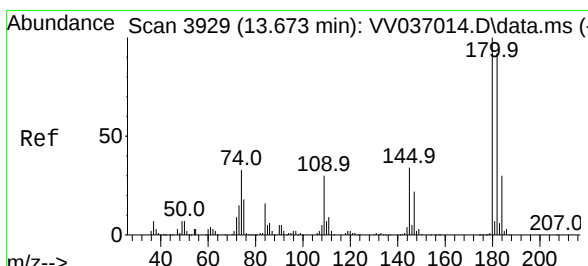
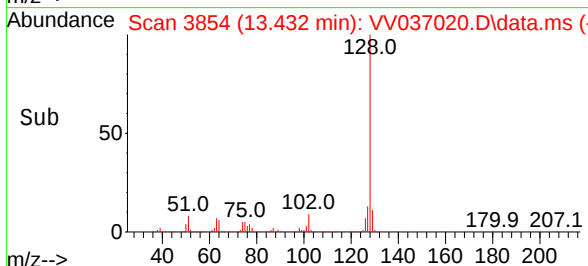
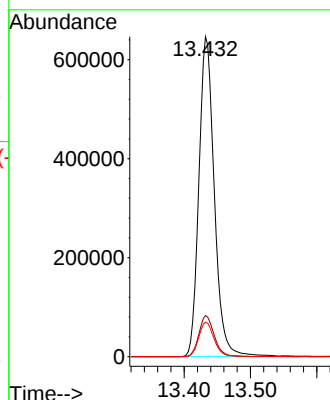
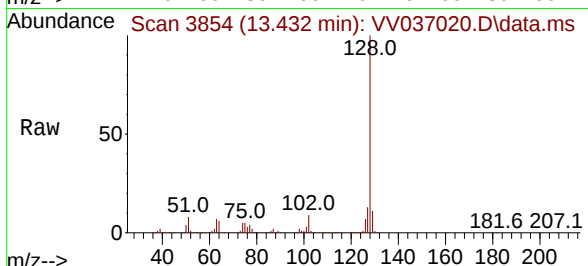




#71
Naphthalene
Concen: 59.784 ug/L
RT: 13.432 min Scan# 3854
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 1045776
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.8 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 56.277 ug/L
RT: 13.673 min Scan# 3929
Delta R.T. 0.000 min
Lab File: VV037020.D
Acq: 26 Aug 2024 12:28

Tgt Ion:180 Resp: 335965
Ion Ratio Lower Upper
180 100
182 95.0 75.1 112.7
145 34.2 27.0 40.4

