

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV037000.D
 Acq On : 22 Aug 2024 10:00
 Operator : SY/MD
 Sample : VSTD050
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 04:46:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 04:43:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	685224	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	635575	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	311327	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	387458	40.354	ug/L	0.00
7) Chloroethane-d5	1.532	69	353116	42.995	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	192906	41.706	ug/L	0.00
21) 2-Butanone-d5	4.098	46	594	0.340	ug/L	0.25
24) Chloroform-d	4.240	84	899929	46.604	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	410374	46.199	ug/L	0.00
32) Benzene-d6	4.947	84	1767646	46.412	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	543330	45.166	ug/L	0.00
41) Toluene-d8	7.236	98	1649969	47.530	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	199614	49.620	ug/L	0.00
47) 2-Hexanone-d5	8.034	63	109645	110.921	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.146	84	300299	47.041	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.554	152	508930	45.668	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	478527	44.713	ug/L	100
3) Chloromethane	1.217	50	566974	45.758	ug/L	99
5) Vinyl chloride	1.282	62	575881	46.929	ug/L	100
6) Bromomethane	1.487	94	368652	47.236	ug/L	100
8) Chloroethane	1.548	64	365620	47.171	ug/L	98
9) Trichlorofluoromethane	1.709	101	780801	48.189	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	478894	47.957	ug/L	99
12) 1,1-Dichloroethene	2.066	96	441796	47.505	ug/L	94
13) Acetone	1.954	43	491	0.258	ug/L	84
14) Carbon disulfide	2.233	76	1476970	47.961	ug/L	99
15) Methyl Acetate	2.384	43	174697	51.298	ug/L	94
16) Methylene chloride	2.439	84	498749	36.592	ug/L	99
17) trans-1,2-Dichloroethene	2.683	96	495340	48.658	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	1024959	48.599	ug/L	99
19) 1,1-Dichloroethane	3.101	63	950558	47.966	ug/L	99
20) cis-1,2-Dichloroethene	3.802	96	540252	49.477	ug/L	99
22) 2-Butanone	3.915	43	227493	135.124	ug/L	99
23) Bromochloromethane	4.137	128	211597	48.831	ug/L	96
25) Chloroform	4.269	83	932422	48.137	ug/L	99
27) 1,2-Dichloroethane	5.037	62	525977	49.655	ug/L	99
29) Cyclohexane	4.561	56	805692	48.866	ug/L	98
30) 1,1,1-Trichloroethane	4.500	97	781738	48.778	ug/L	99
31) Carbon tetrachloride	4.719	117	668848	49.449	ug/L	100
33) Benzene	4.998	78	2016885	48.678	ug/L	100
34) Trichloroethene	5.822	95	567130	48.487	ug/L	98
35) Methylcyclohexane	6.037	83	889449	49.182	ug/L	99
37) 1,2-Dichloropropane	6.088	63	505708	50.524	ug/L	100
38) Bromodichloromethane	6.426	83	625376	50.302	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	737180	50.147	ug/L	99
40) 4-Methyl-2-pentanone	7.166	43	437065	103.669	ug/L	99
42) Toluene	7.307	91	2147938	49.483	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	575283	51.730	ug/L	99

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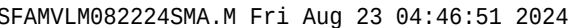
Quant Time: Aug 23 04:46:41 2024
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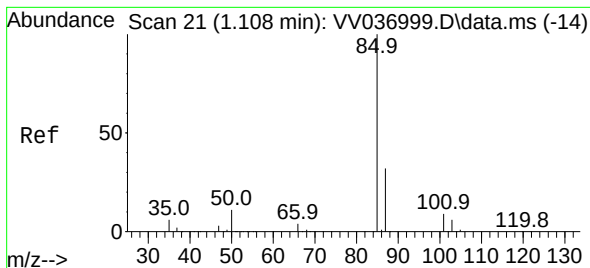
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.764	97	319023	48.568	ug/L	98
46) Tetrachloroethene	7.895	164	389022	47.042	ug/L	97
48) 2-Hexanone	8.082	43	322055	109.737	ug/L	96
49) Dibromochloromethane	8.172	129	362974	50.228	ug/L	98
50) 1,2-Dibromoethane	8.278	107	297001	50.102	ug/L	98
51) Chlorobenzene	8.809	112	1344524	48.504	ug/L	99
52) Ethylbenzene	8.940	91	2442231	49.897	ug/L	100
53) m,p-Xylene	9.066	106	912651	50.187	ug/L	98
54) o-Xylene	9.471	106	877191	50.497	ug/L	99
55) Styrene	9.490	104	1476304	51.492	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	295511	48.595	ug/L	95
59) Bromoform	9.661	173	180740	51.261	ug/L	98
60) Isopropylbenzene	9.860	105	2414462	49.186	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	241890	48.181	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	2004910	49.887	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	1986529	50.712	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	1008236	48.060	ug/L	100
65) 1,4-Dichlorobenzene	11.201	146	1000828	47.762	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	870250	47.879	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	48084	48.932	ug/L	89
69) 1,3,5-Trichlorobenzene	12.577	180	700336	47.902	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	568584	48.598	ug/L	100
71) Naphthalene	13.432	128	886736	50.312	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	476397	49.179	ug/L	99

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

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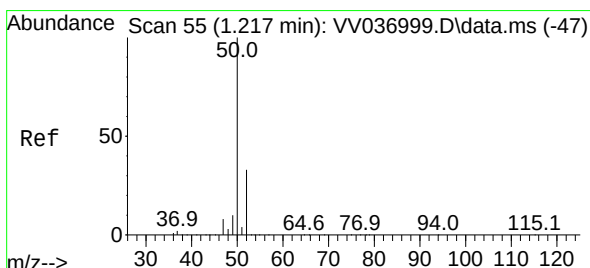
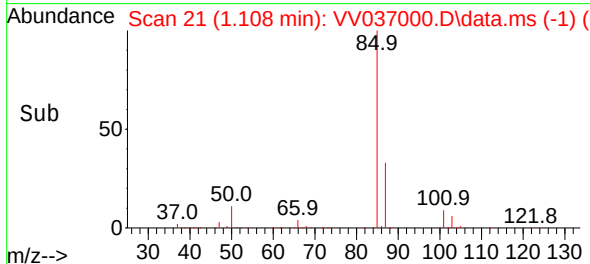
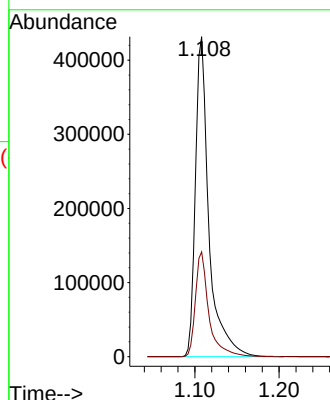
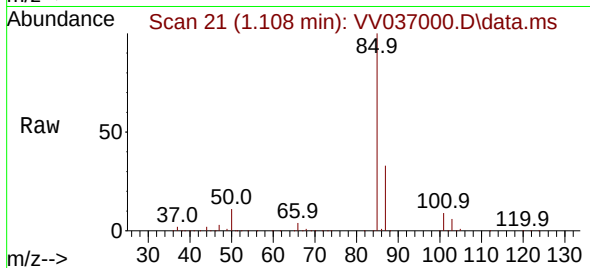




#2
 Dichlorodifluoromethane
 Concen: 44.713 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV037000.D
 Acq: 22 Aug 2024 10:00

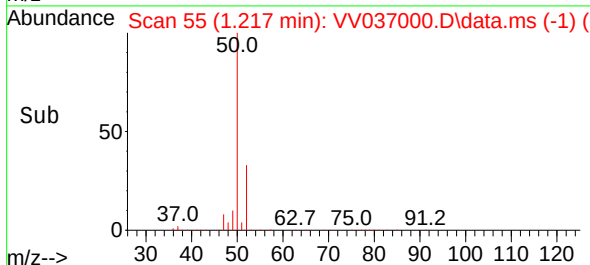
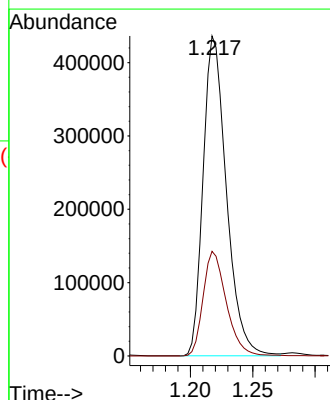
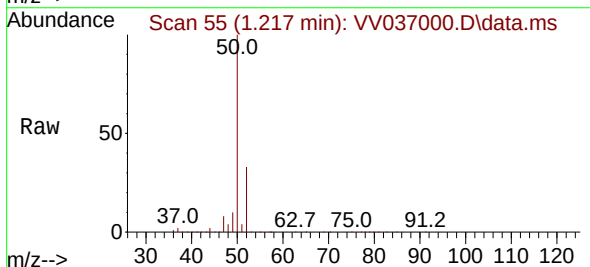
Instrument :
 MSVOA_V
 ClientSampleId :

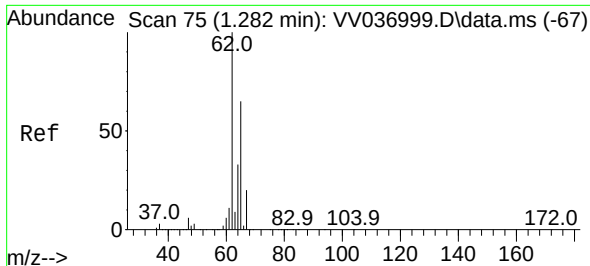
Tgt Ion: 85 Resp: 478527
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.1 39.1



#3
 Chloromethane
 Concen: 45.758 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV037000.D
 Acq: 22 Aug 2024 10:00

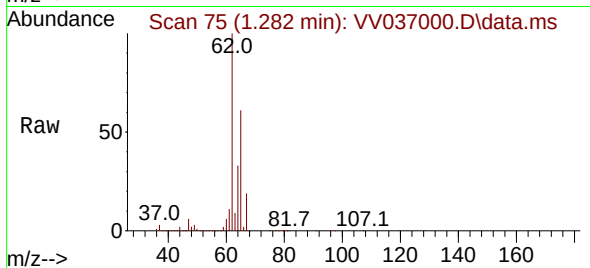
Tgt Ion: 50 Resp: 566974
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.2 43.2



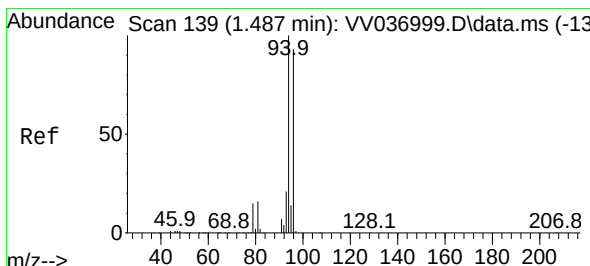
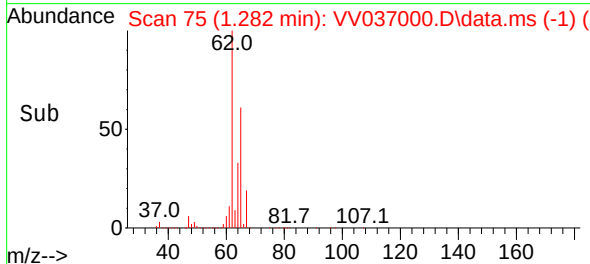
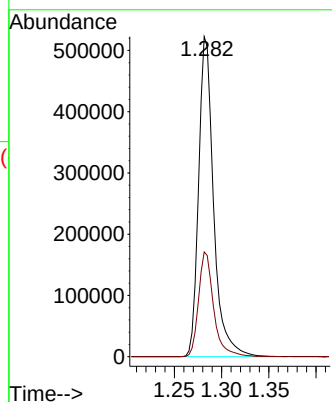


#5
 Vinyl chloride
 Concen: 46.929 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV037000.D
 Acq: 22 Aug 2024 10:00

Instrument :
 MSVOA_V
 ClientSampleId :

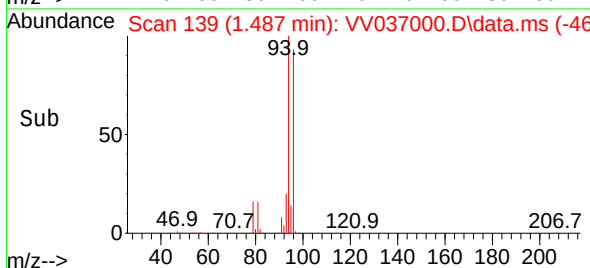
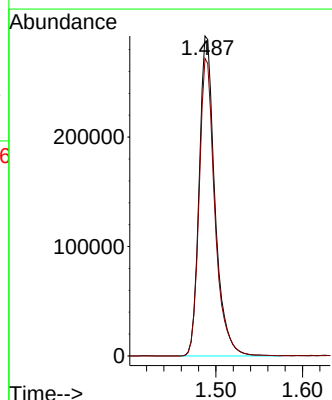
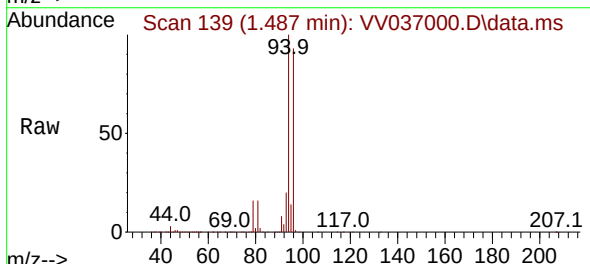


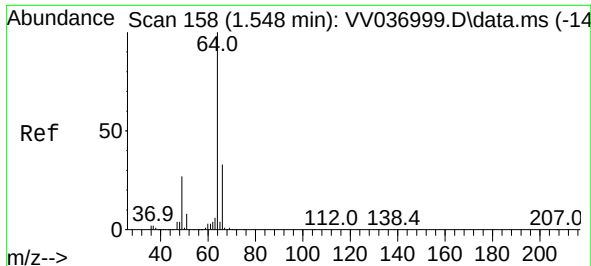
Tgt Ion: 62 Resp: 575881
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.8 42.4



#6
 Bromomethane
 Concen: 47.236 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV037000.D
 Acq: 22 Aug 2024 10:00

Tgt Ion: 94 Resp: 368652
 Ion Ratio Lower Upper
 94 100
 96 93.0 65.0 120.6

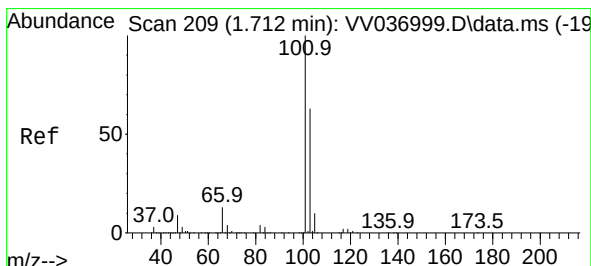
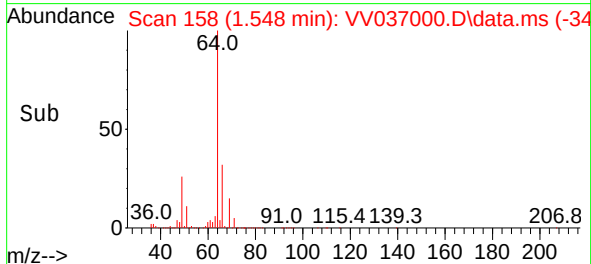
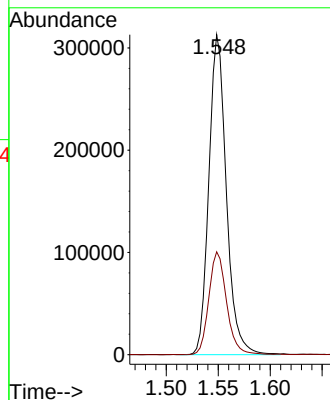
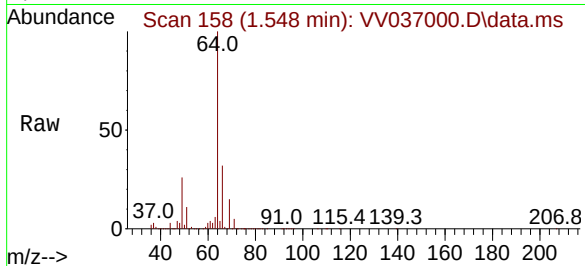




#8
Chloroethane
Concen: 47.171 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV037000.D
Acq: 22 Aug 2024 10:00

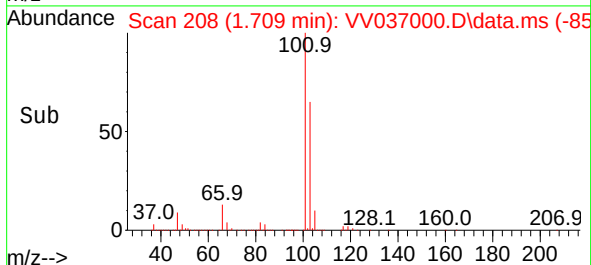
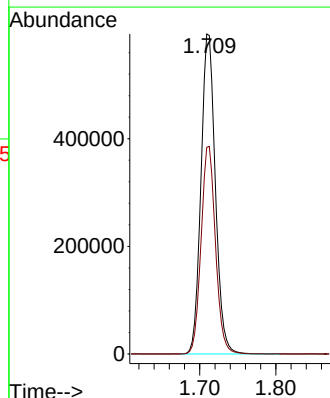
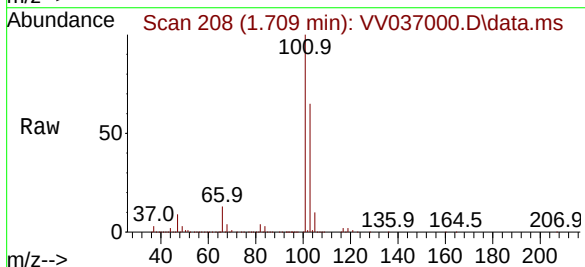
Instrument :
MSVOA_V
ClientSampleId :

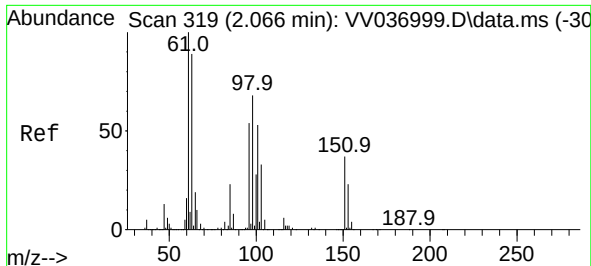
Tgt Ion: 64 Resp: 365620
Ion Ratio Lower Upper
64 100
66 32.2 23.2 43.0



#9
Trichlorofluoromethane
Concen: 48.189 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.003 min
Lab File: VV037000.D
Acq: 22 Aug 2024 10:00

Tgt Ion:101 Resp: 780801
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.6





#10

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

Concen: 47.957 ug/L

RT: 2.063 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

ClientSampleId :

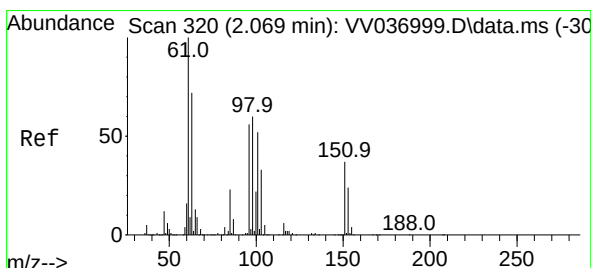
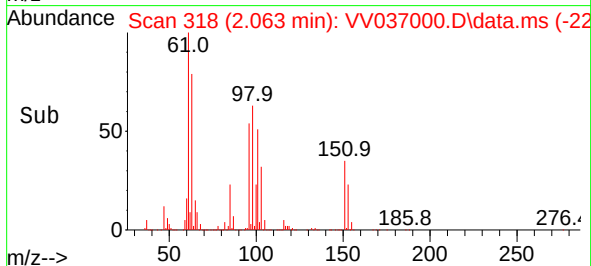
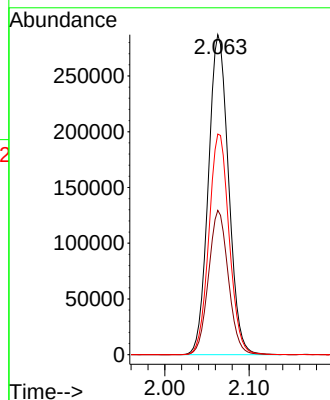
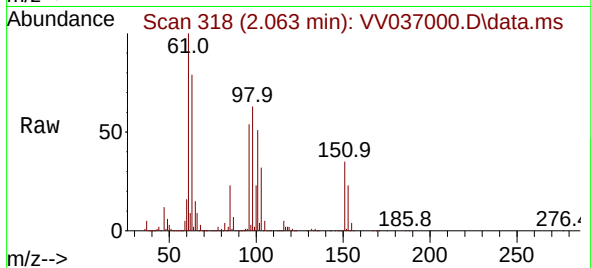
Tgt Ion:101 Resp: 478894

Ion Ratio Lower Upper

101 100

85 44.0 35.6 53.4

151 69.2 56.3 84.5



#12

1,1-Dichloroethene

Concen: 47.505 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

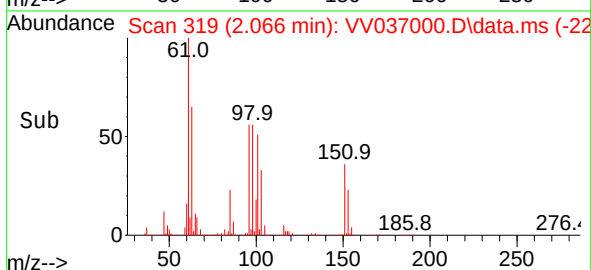
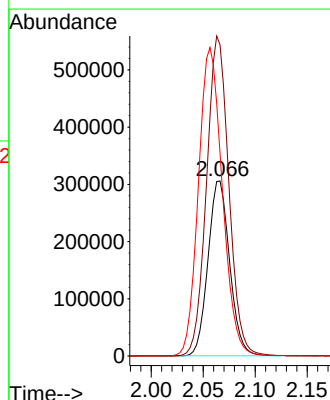
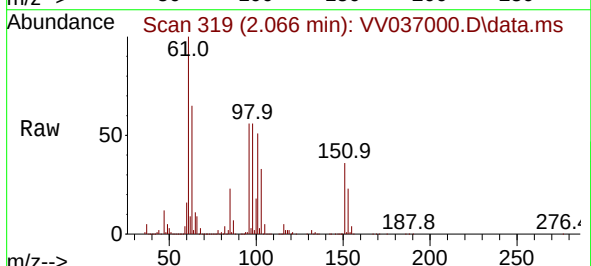
Tgt Ion: 96 Resp: 441796

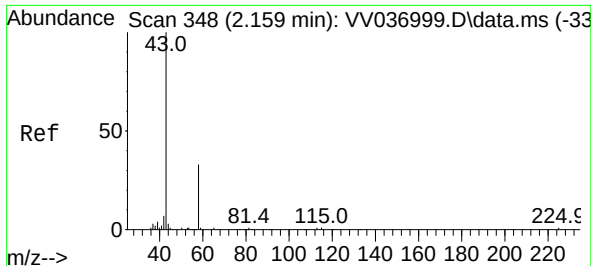
Ion Ratio Lower Upper

96 100

61 177.7 126.0 234.0

63 115.7 91.0 169.0

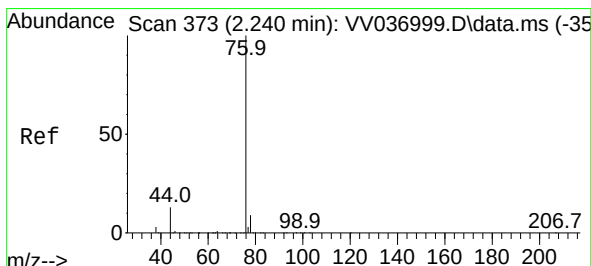
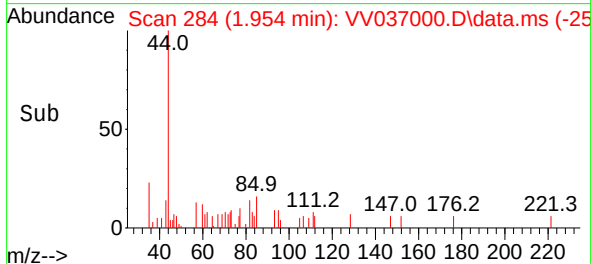
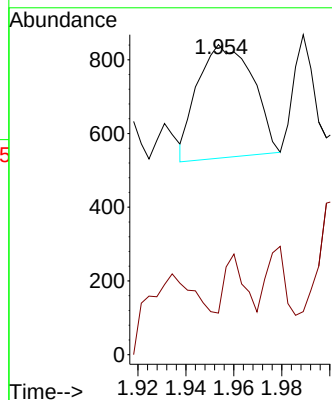
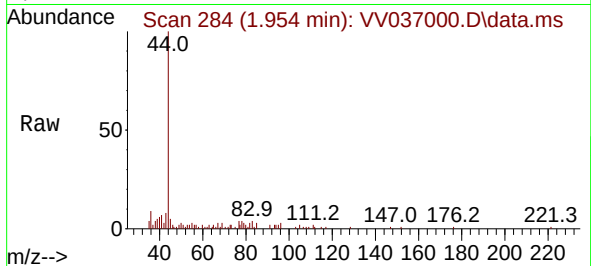




#13
Acetone
Concen: 0.258 ug/L
RT: 1.954 min Scan# 21
Delta R.T. -0.206 min
Lab File: VV037000.D
Acq: 22 Aug 2024 10:00

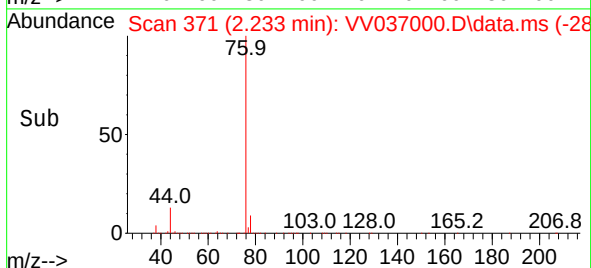
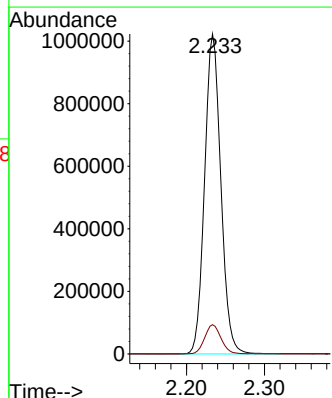
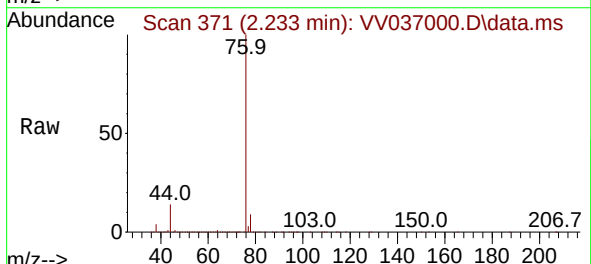
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ClientSampleId :

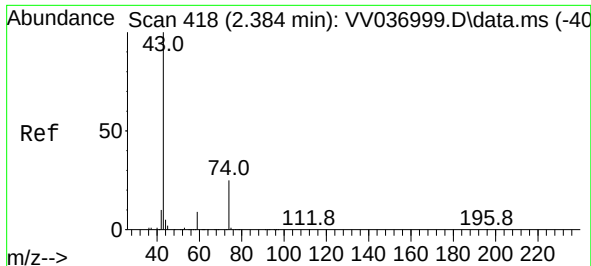
Tgt Ion: 43 Resp: 491
Ion Ratio Lower Upper
43 100
58 16.7 0.0 21.2



#14
Carbon disulfide
Concen: 47.961 ug/L
RT: 2.233 min Scan# 371
Delta R.T. -0.006 min
Lab File: VV037000.D
Acq: 22 Aug 2024 10:00

Tgt Ion: 76 Resp: 1476970
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7





#15

Methyl Acetate

Concen: 51.298 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.000 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

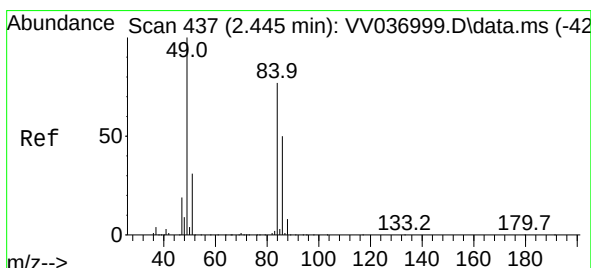
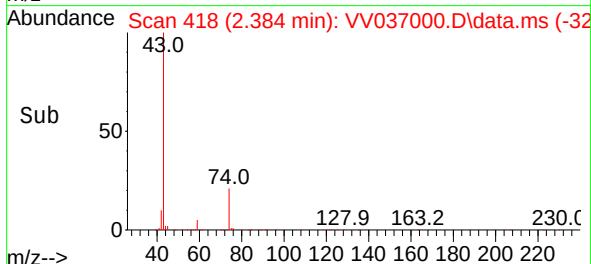
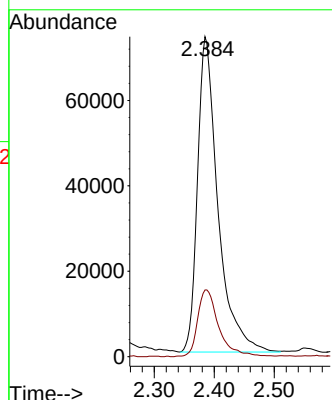
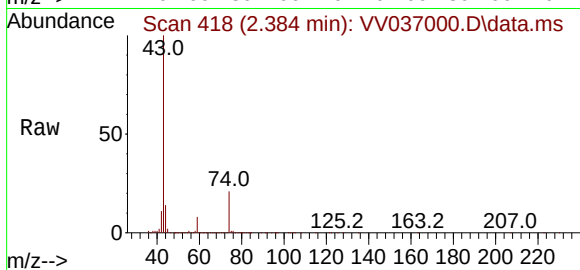
ClientSampleId :

Tgt Ion: 43 Resp: 174697

Ion Ratio Lower Upper

43 100

74 21.5 19.6 29.4



#16

Methylene chloride

Concen: 36.592 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.006 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

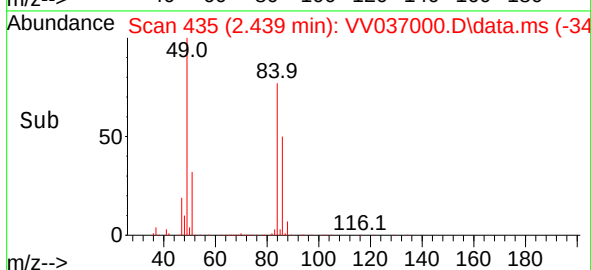
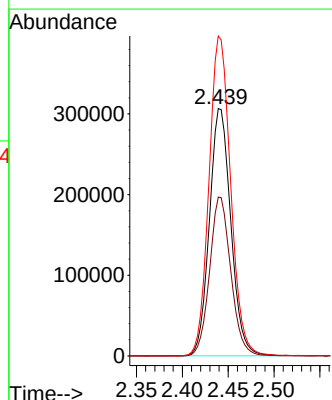
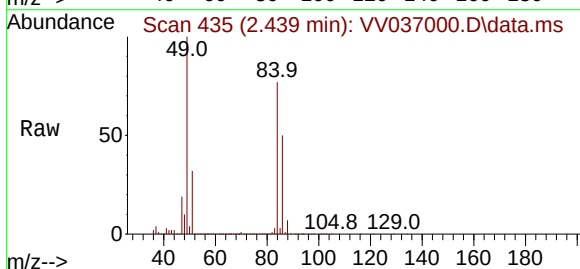
Tgt Ion: 84 Resp: 498749

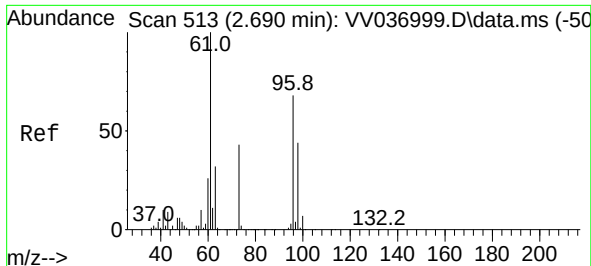
Ion Ratio Lower Upper

84 100

86 64.3 45.4 84.2

49 129.3 91.2 169.4





#17

trans-1,2-Dichloroethene

Concen: 48.658 ug/L

RT: 2.683 min Scan# 511

Delta R.T. -0.006 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

ClientSampleId :

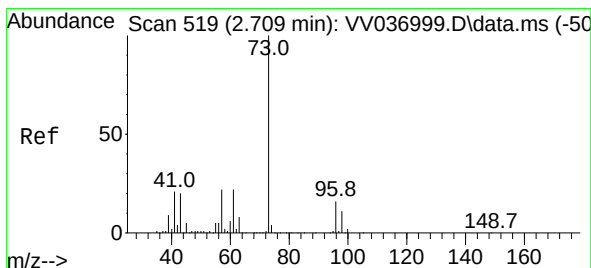
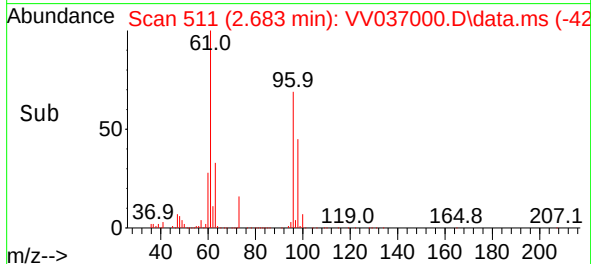
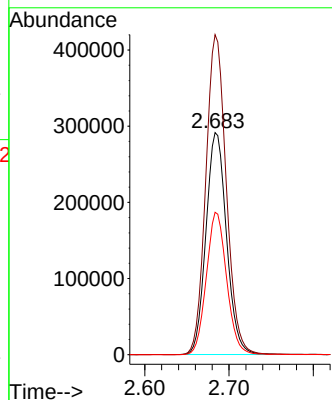
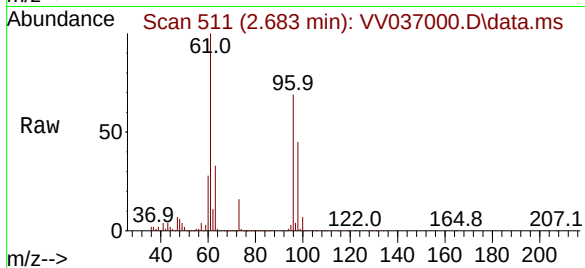
Tgt Ion: 96 Resp: 495340

Ion Ratio Lower Upper

96 100

61 144.1 103.3 191.9

98 64.1 45.0 83.6



#18

Methyl tert-butyl Ether

Concen: 48.599 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

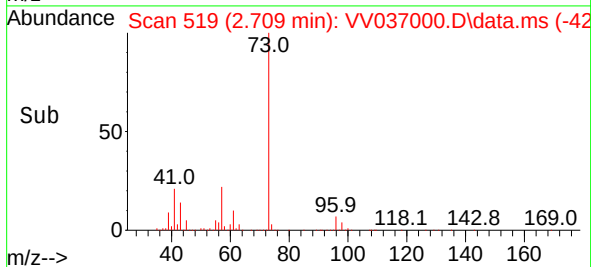
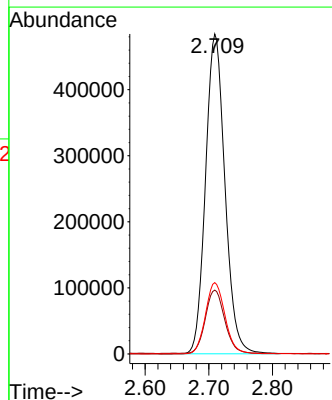
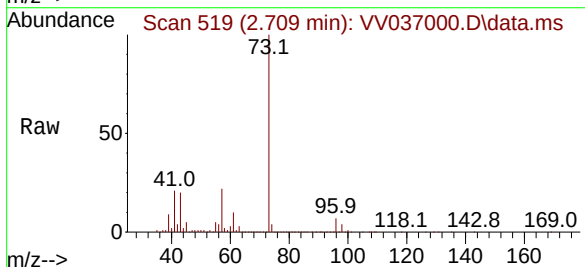
Tgt Ion: 73 Resp: 1024959

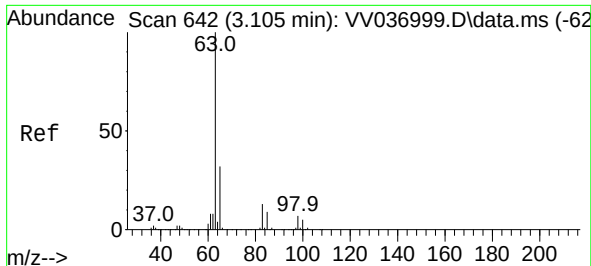
Ion Ratio Lower Upper

73 100

43 19.7 15.9 23.9

57 22.4 17.6 26.4





#19

1,1-Dichloroethane

Concen: 47.966 ug/L

RT: 3.101 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

ClientSampleId :

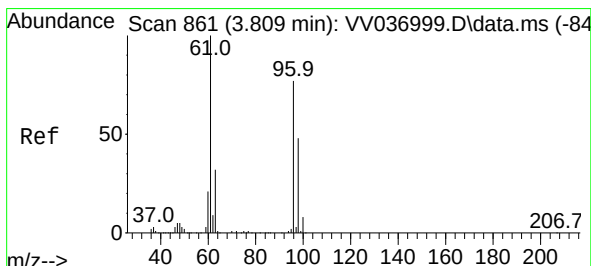
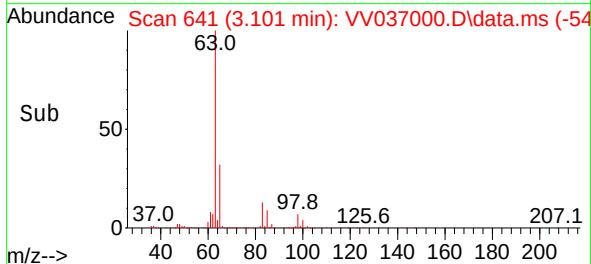
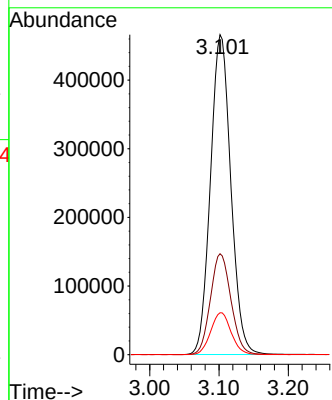
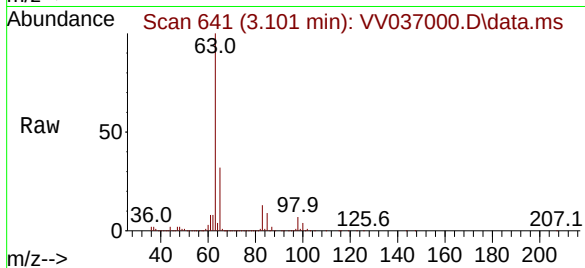
Tgt Ion: 63 Resp: 950558

Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.3

83 13.1 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 49.477 ug/L

RT: 3.802 min Scan# 859

Delta R.T. -0.006 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

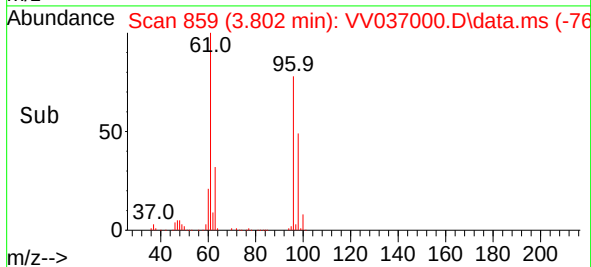
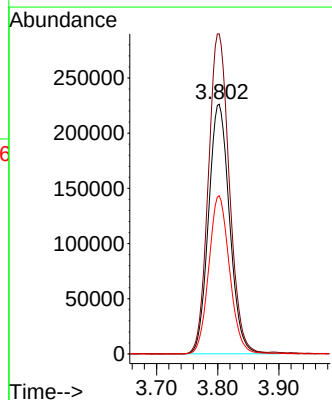
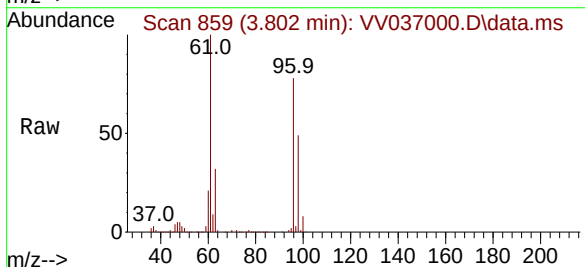
Tgt Ion: 96 Resp: 540252

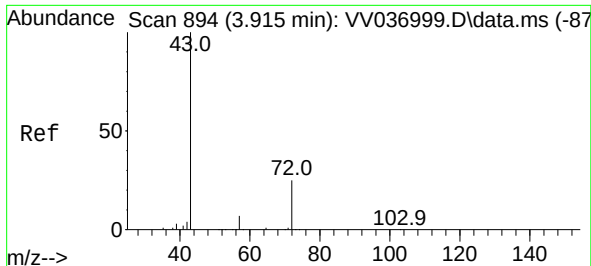
Ion Ratio Lower Upper

96 100

61 128.1 91.0 169.0

98 63.4 43.8 81.3





#22

2-Butanone

Concen: 135.124 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.000 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

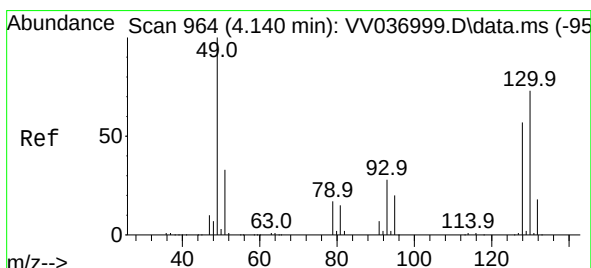
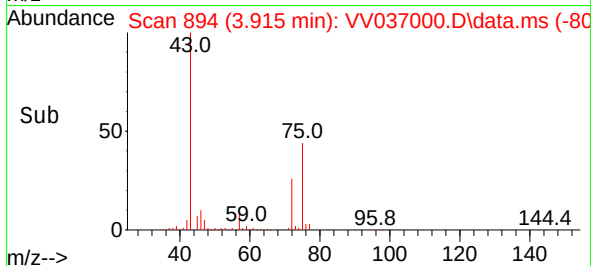
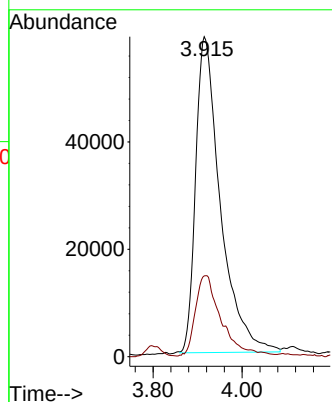
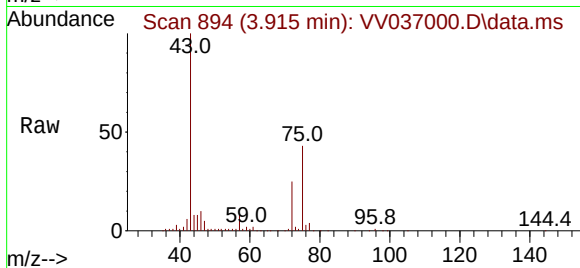
ClientSampleId :

Tgt Ion: 43 Resp: 227493

Ion Ratio Lower Upper

43 100

72 21.7 10.7 32.1



#23

Bromochloromethane

Concen: 48.831 ug/L

RT: 4.137 min Scan# 963

Delta R.T. -0.003 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Tgt Ion:128 Resp: 211597

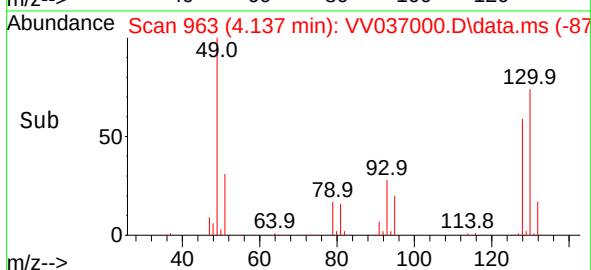
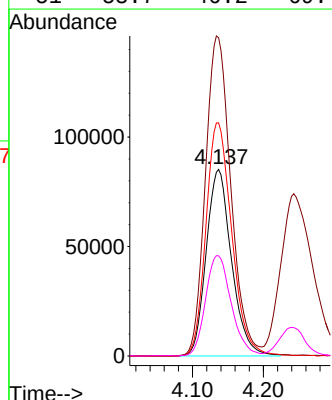
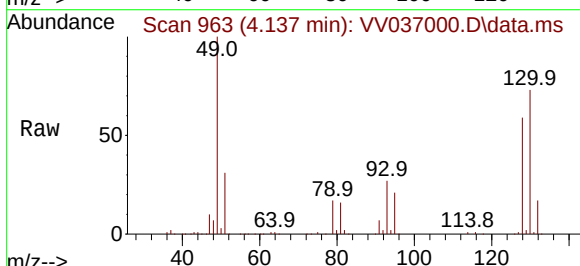
Ion Ratio Lower Upper

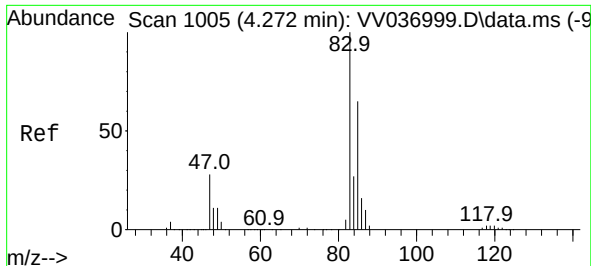
128 100

49 170.5 123.3 229.1

130 125.0 89.7 166.5

51 53.7 46.2 69.4





#25

Chloroform

Concen: 48.137 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. -0.003 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

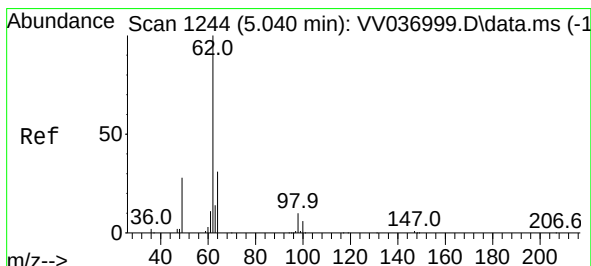
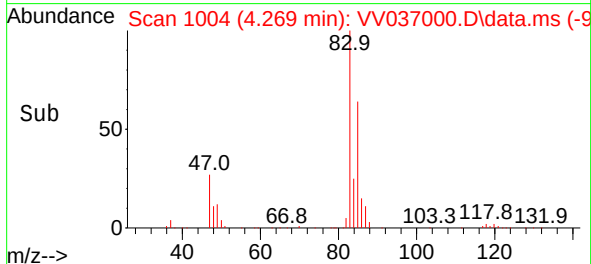
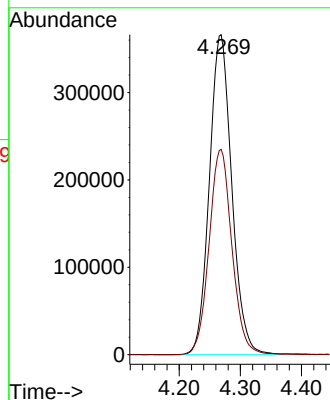
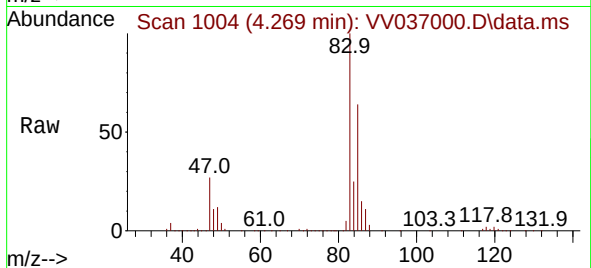
ClientSampleId :

Tgt Ion: 83 Resp: 932422

Ion Ratio Lower Upper

83 100

85 64.1 45.5 84.5



#27

1,2-Dichloroethane

Concen: 49.655 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV037000.D

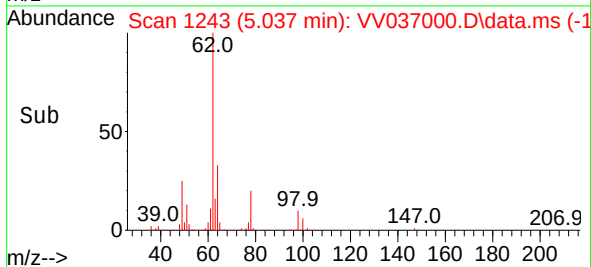
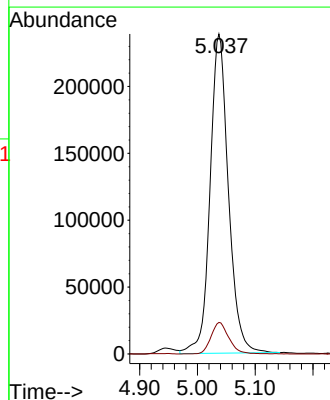
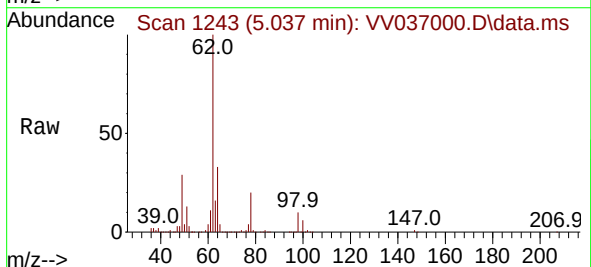
Acq: 22 Aug 2024 10:00

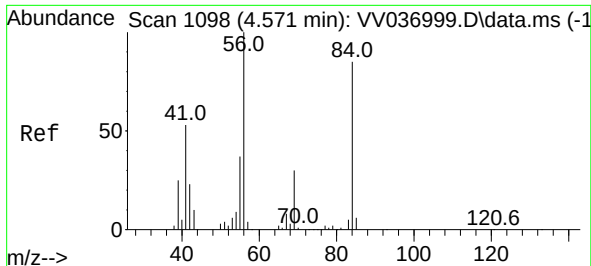
Tgt Ion: 62 Resp: 525977

Ion Ratio Lower Upper

62 100

98 9.9 7.5 11.3





#29

Cyclohexane

Concen: 48.866 ug/L

RT: 4.561 min Scan# 1095

Delta R.T. -0.010 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

ClientSampleId :

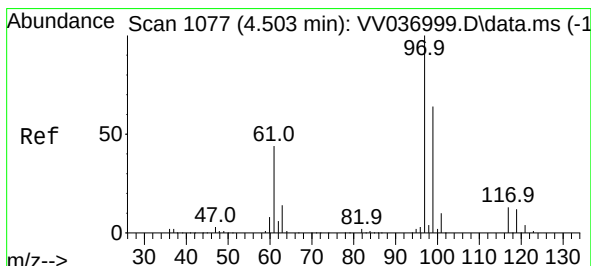
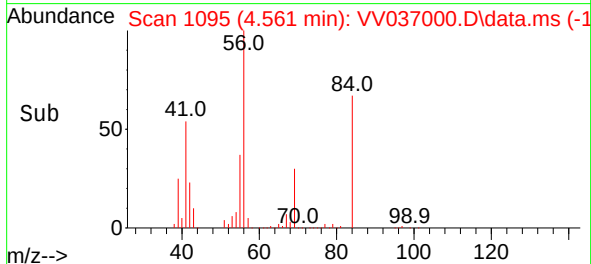
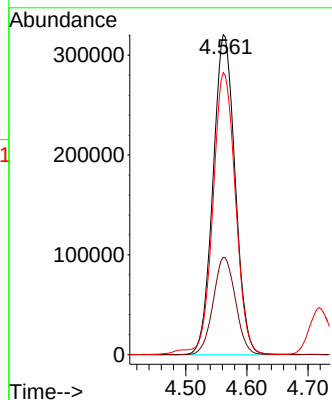
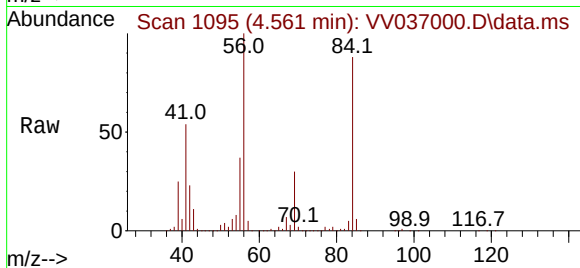
Tgt Ion: 56 Resp: 805692

Ion Ratio Lower Upper

56 100

69 30.7 24.7 37.1

84 90.1 70.0 105.0



#30

1,1,1-Trichloroethane

Concen: 48.778 ug/L

RT: 4.500 min Scan# 1076

Delta R.T. -0.003 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

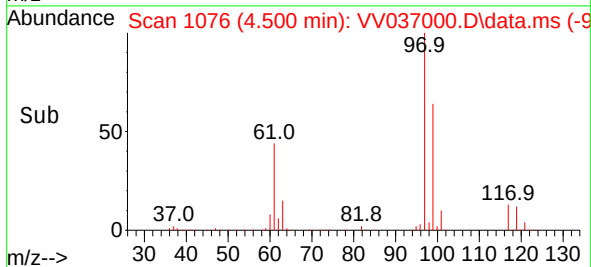
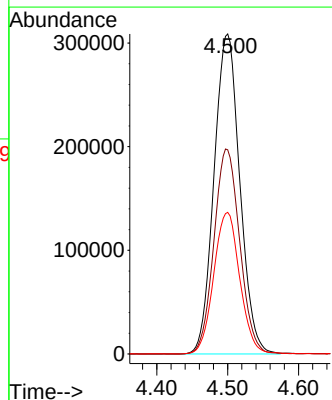
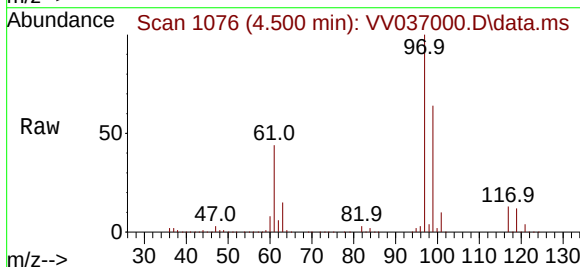
Tgt Ion: 97 Resp: 781738

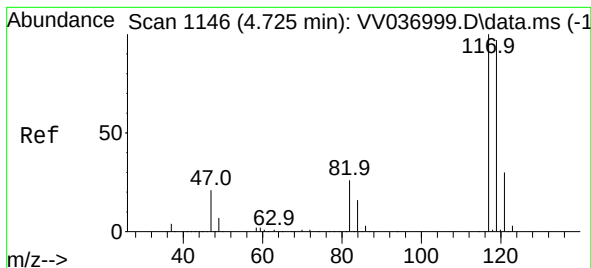
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.4

61 44.8 35.0 52.6





#31

Carbon tetrachloride

Concen: 49.449 ug/L

RT: 4.719 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

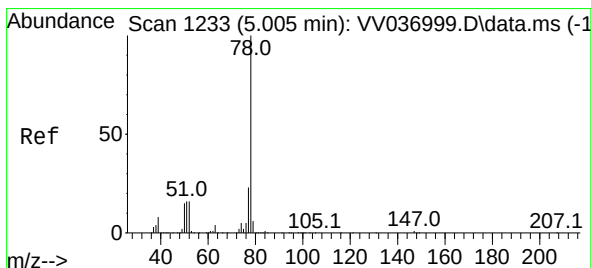
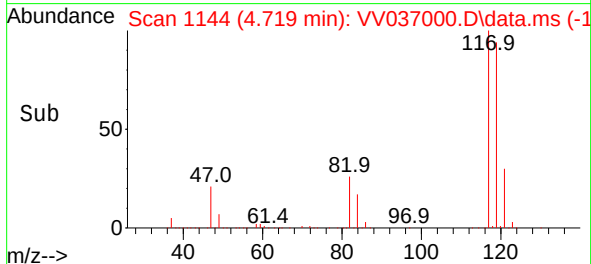
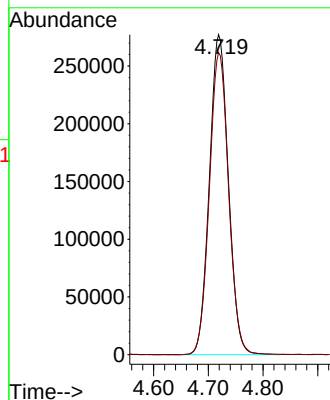
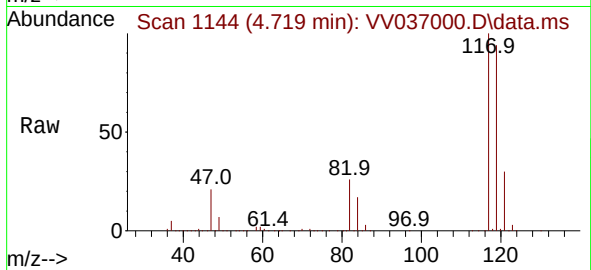
ClientSampleId :

Tgt Ion:117 Resp: 668848

Ion Ratio Lower Upper

117 100

119 95.5 76.6 115.0



#33

Benzene

Concen: 48.678 ug/L

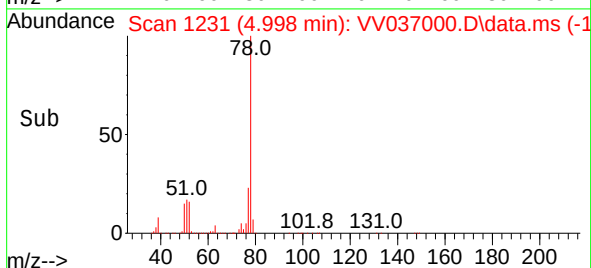
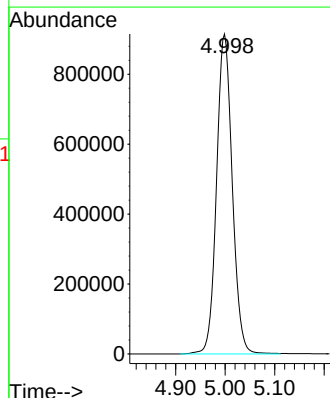
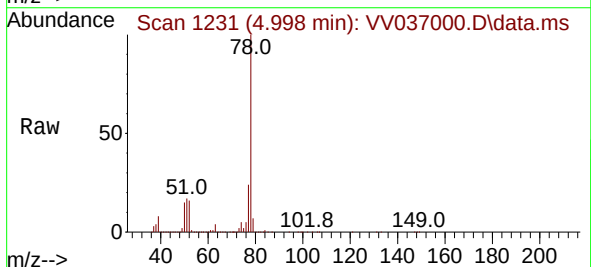
RT: 4.998 min Scan# 1231

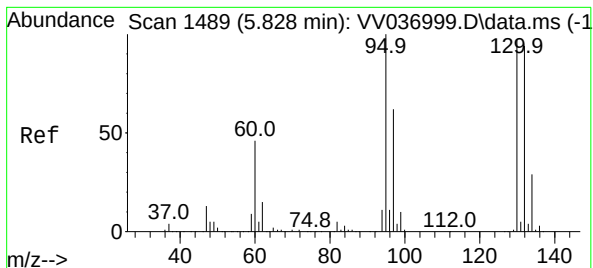
Delta R.T. -0.006 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Tgt Ion: 78 Resp: 2016885





#34

Trichloroethene

Concen: 48.487 ug/L

RT: 5.822 min Scan# 1489

Delta R.T. -0.006 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 567130

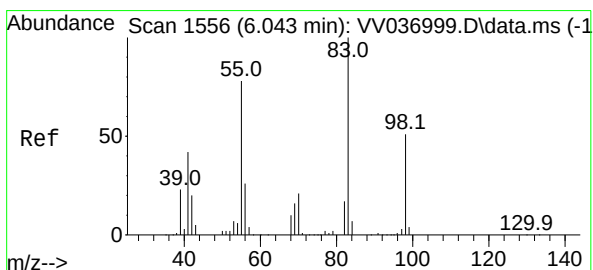
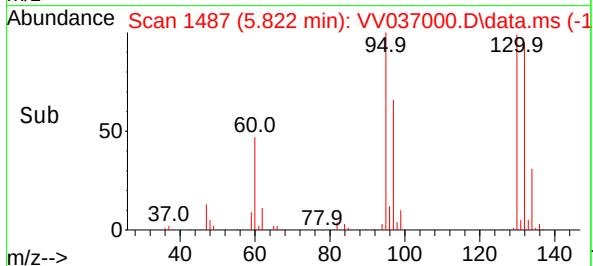
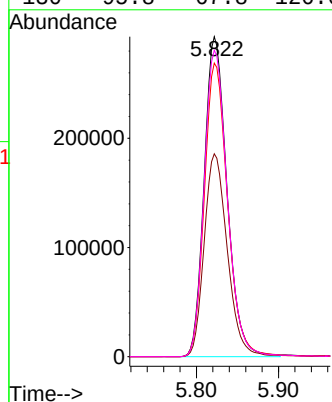
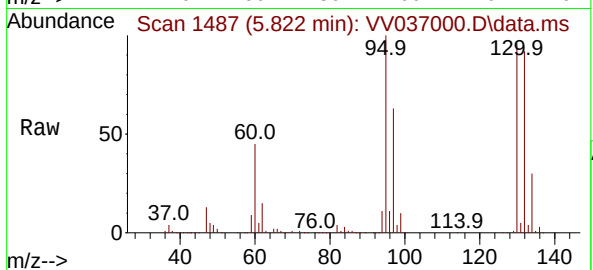
Ion Ratio Lower Upper

95 100

97 63.4 43.5 80.9

132 91.7 66.1 122.7

130 95.8 67.8 126.0



#35

Methylcyclohexane

Concen: 49.182 ug/L

RT: 6.037 min Scan# 1554

Delta R.T. -0.006 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

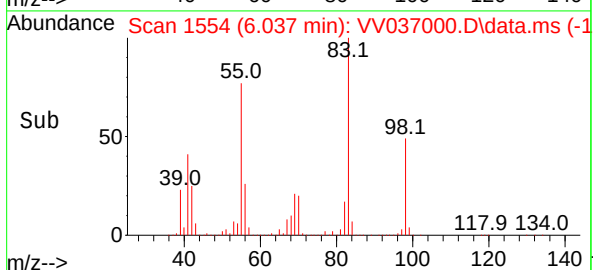
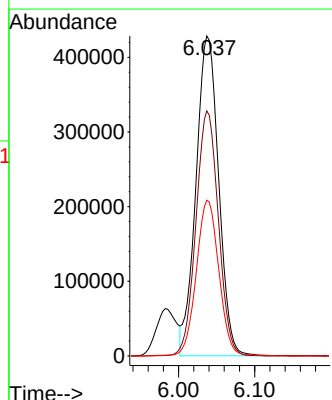
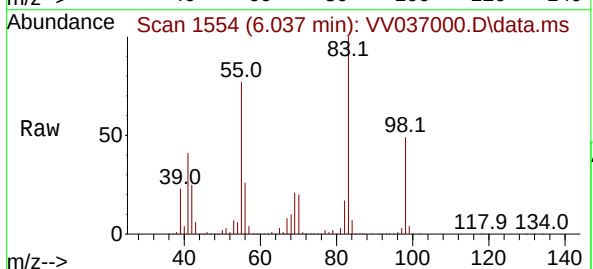
Tgt Ion: 83 Resp: 889449

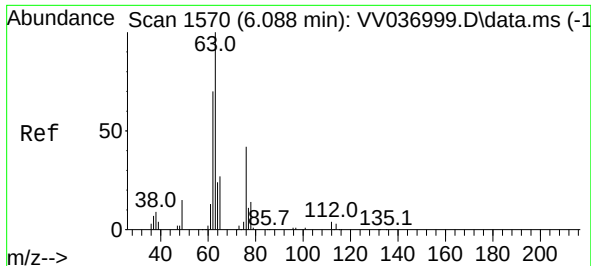
Ion Ratio Lower Upper

83 100

55 75.8 60.9 91.3

98 48.2 39.0 58.6





#37

1,2-Dichloropropane

Concen: 50.524 ug/L

RT: 6.088 min Scan# 1570

Delta R.T. 0.000 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

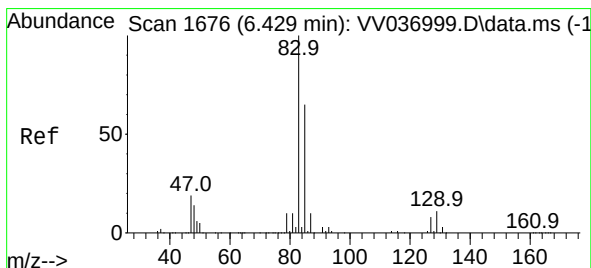
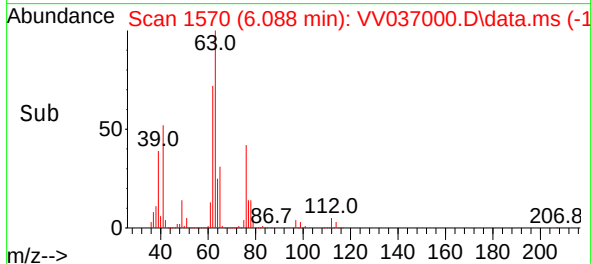
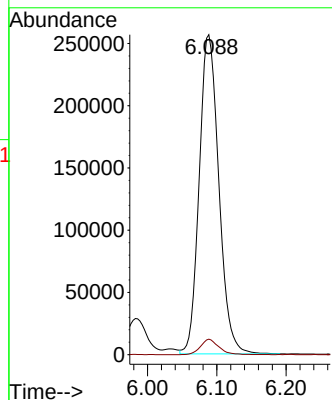
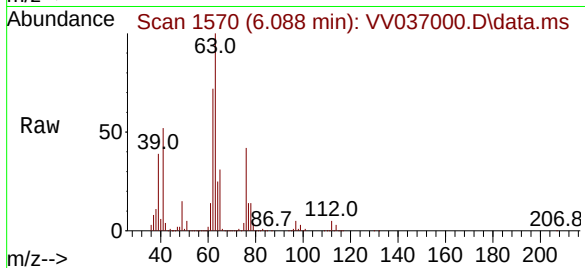
ClientSampleId :

Tgt Ion: 63 Resp: 505708

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 50.302 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. -0.003 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

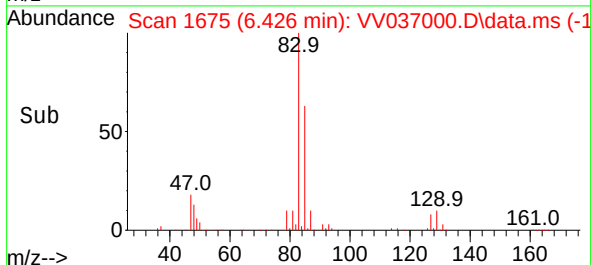
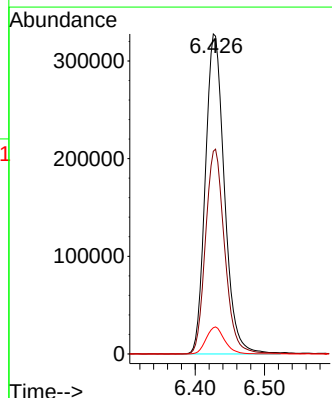
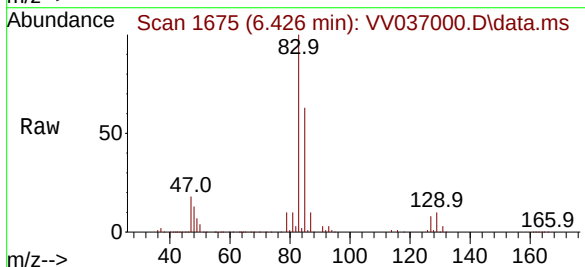
Tgt Ion: 83 Resp: 625376

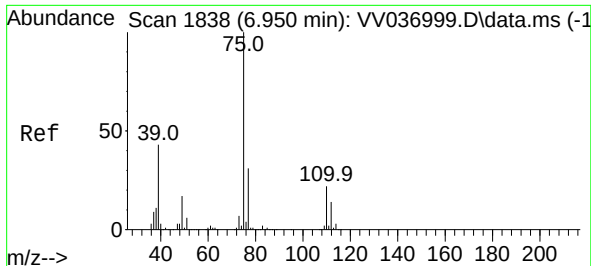
Ion Ratio Lower Upper

83 100

85 63.4 45.6 84.6

127 8.2 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 50.147 ug/L

RT: 6.947 min Scan# 1837

Delta R.T. -0.003 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

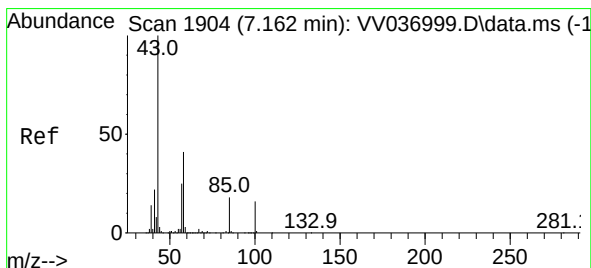
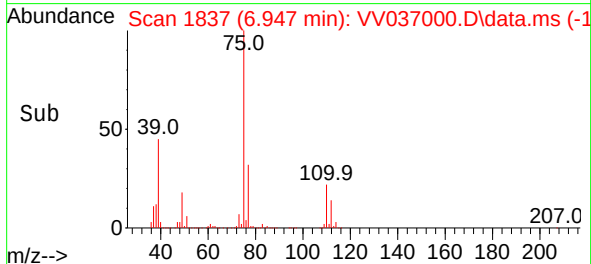
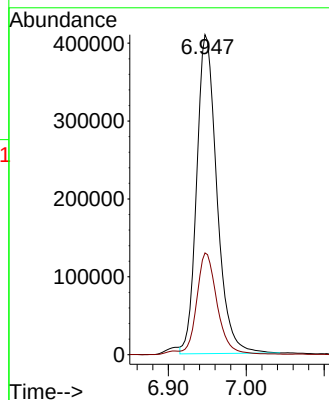
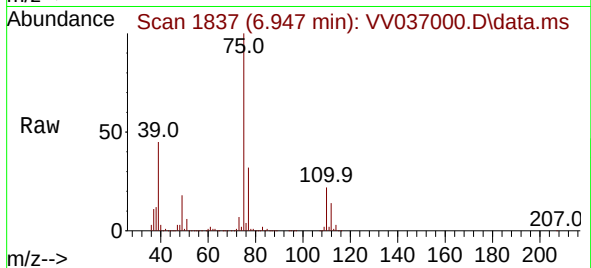
ClientSampleId :

Tgt Ion: 75 Resp: 737180

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 103.669 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

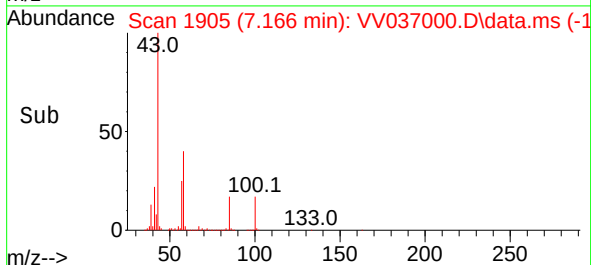
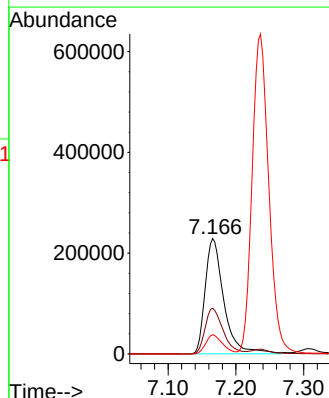
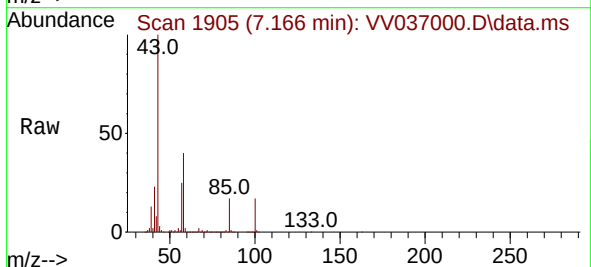
Tgt Ion: 43 Resp: 437065

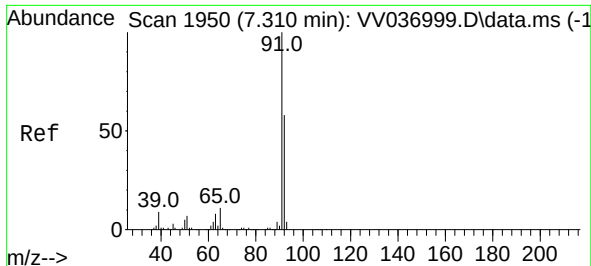
Ion Ratio Lower Upper

43 100

58 38.5 31.1 46.7

100 15.1 12.1 18.1





#42

Toluene

Concen: 49.483 ug/L

RT: 7.307 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

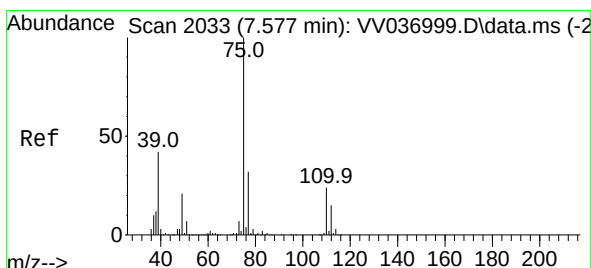
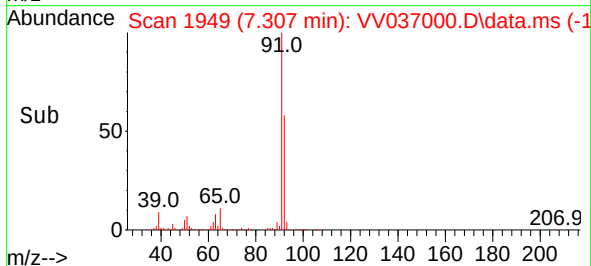
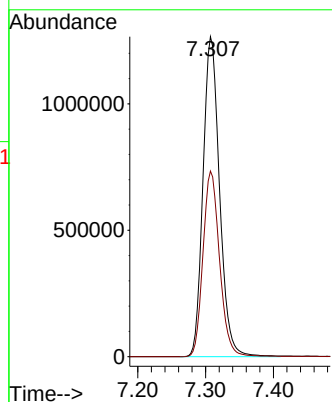
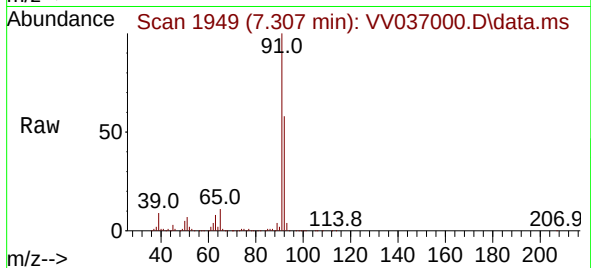
ClientSampleId :

Tgt Ion: 91 Resp: 2147938

Ion Ratio Lower Upper

91 100

92 58.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 51.730 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV037000.D

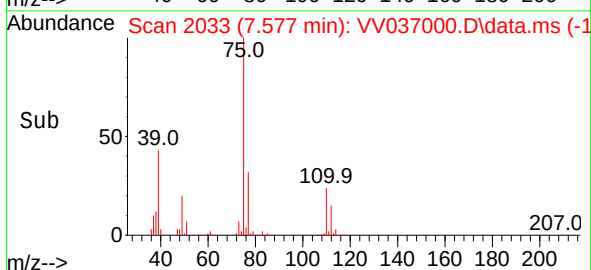
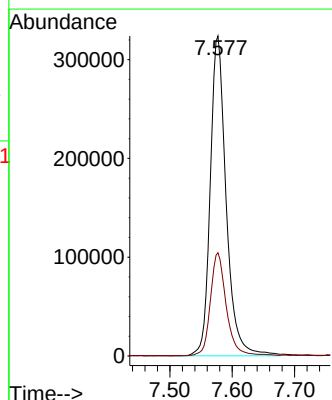
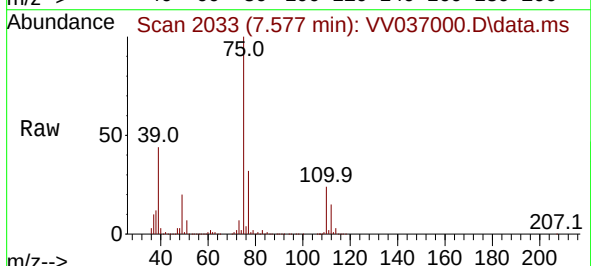
Acq: 22 Aug 2024 10:00

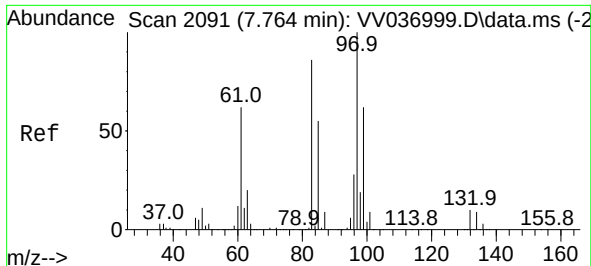
Tgt Ion: 75 Resp: 575283

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.5



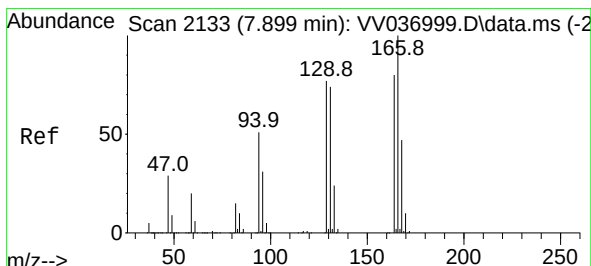
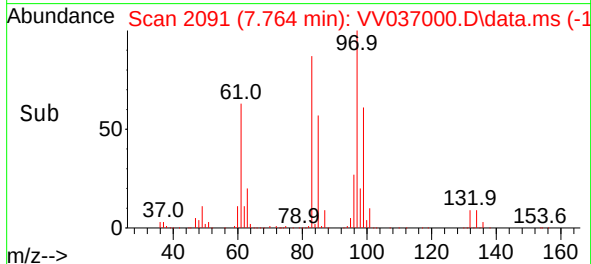
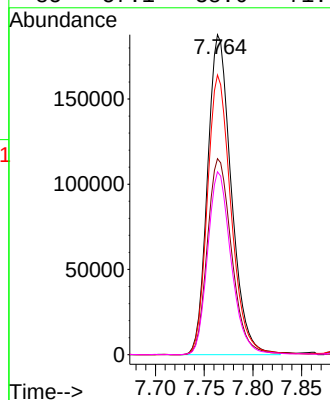
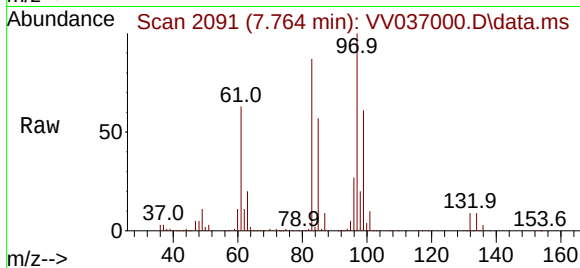


#45
1,1,2-Trichloroethane
Concen: 48.568 ug/L
RT: 7.764 min Scan# 2091
Delta R.T. 0.000 min
Lab File: VV037000.D
Acq: 22 Aug 2024 10:00

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 319023

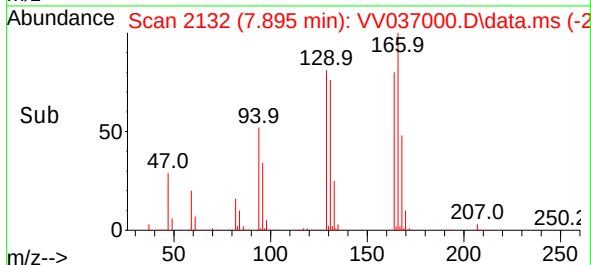
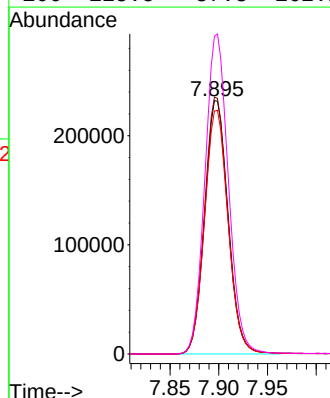
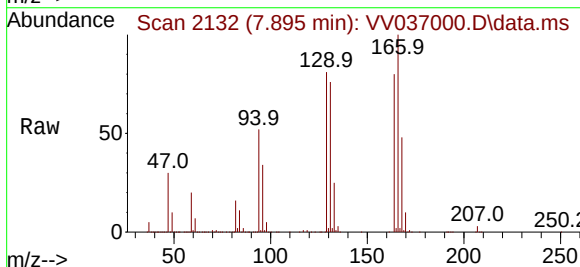
Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.5	80.9
83	87.4	60.3	111.9
85	57.1	38.6	71.6

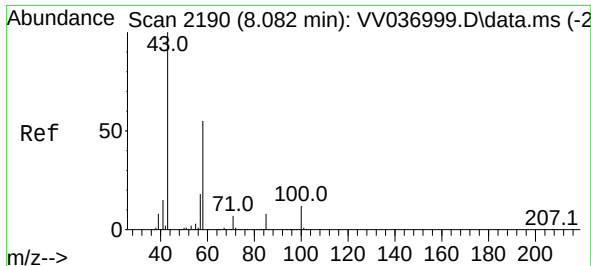


#46
Tetrachloroethene
Concen: 47.042 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. -0.003 min
Lab File: VV037000.D
Acq: 22 Aug 2024 10:00

Tgt Ion: 164 Resp: 389022

Ion	Ratio	Lower	Upper
164	100		
129	101.4	67.3	124.9
131	95.9	64.8	120.3
166	125.5	87.3	162.1

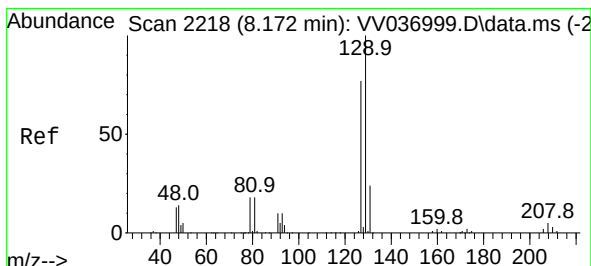
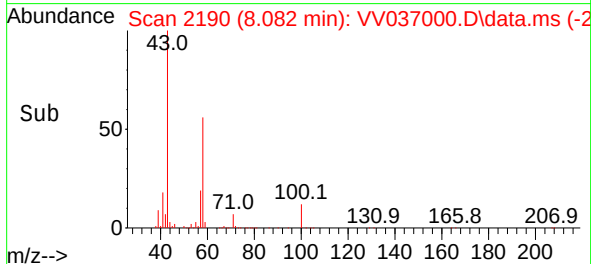
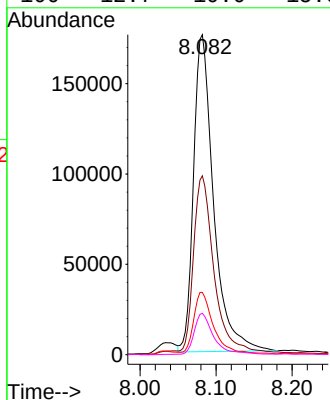
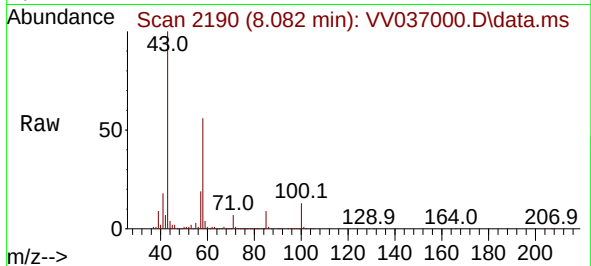




#48
2-Hexanone
Concen: 109.737 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV037000.D
Acq: 22 Aug 2024 10:00

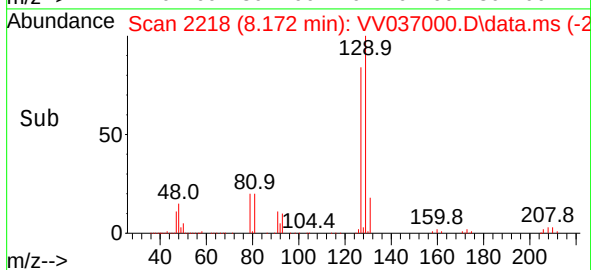
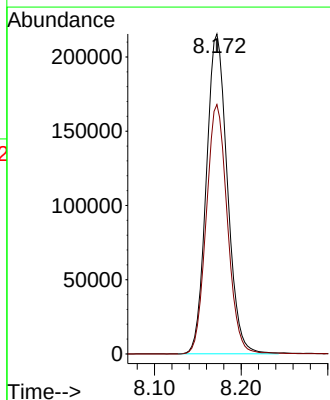
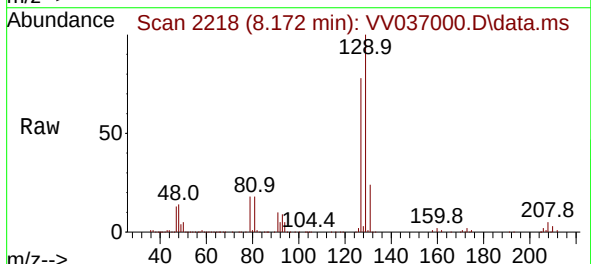
Instrument :
MSVOA_V
ClientSampleId :

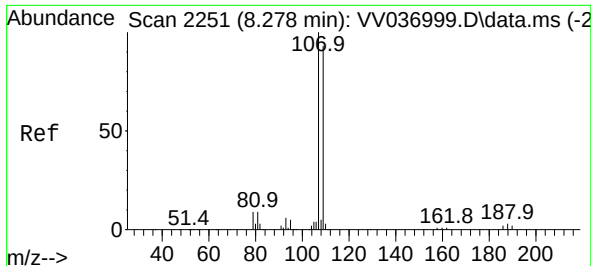
Tgt Ion: 43 Resp: 322055
Ion Ratio Lower Upper
43 100
58 56.3 47.9 71.9
57 17.4 15.1 22.7
100 12.7 10.0 15.0



#49
Dibromochloromethane
Concen: 50.228 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV037000.D
Acq: 22 Aug 2024 10:00

Tgt Ion: 129 Resp: 362974
Ion Ratio Lower Upper
129 100
127 78.0 53.5 99.5

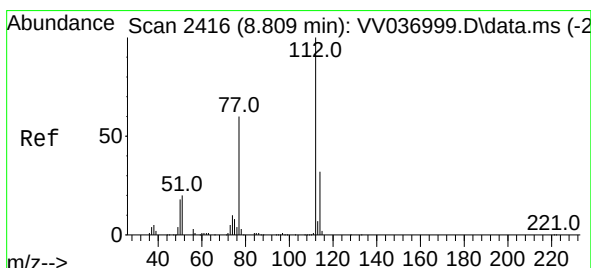
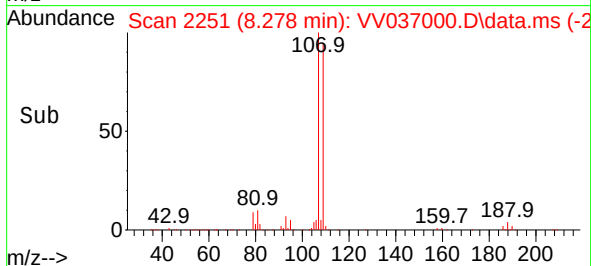
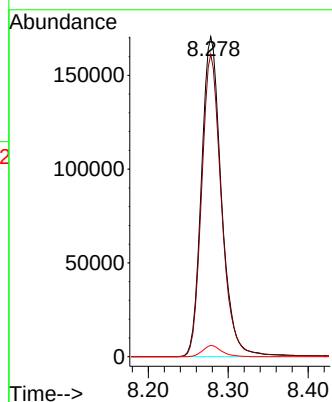
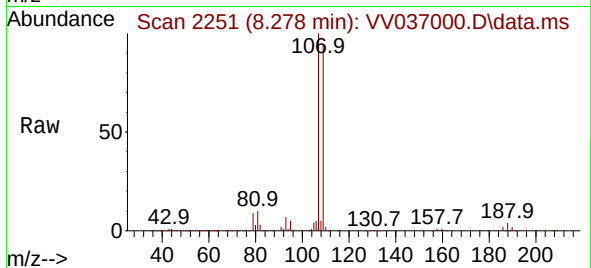




#50
1,2-Dibromoethane
Concen: 50.102 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037000.D
Acq: 22 Aug 2024 10:00

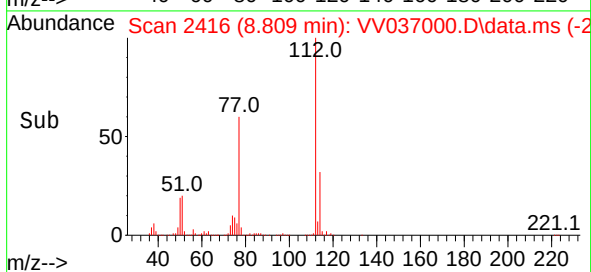
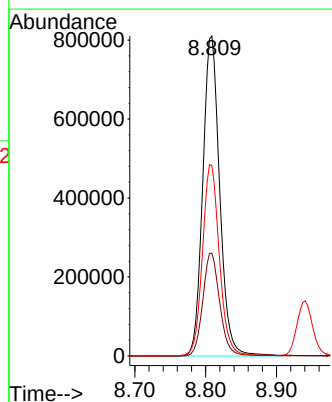
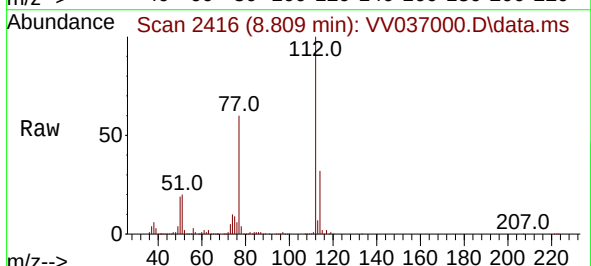
Instrument :
MSVOA_V
ClientSampleId :

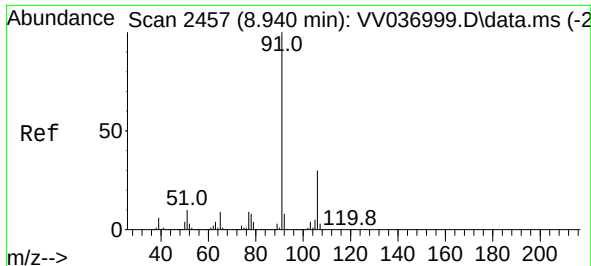
Tgt Ion:107 Resp: 297001
Ion Ratio Lower Upper
107 100
109 94.5 64.9 120.5
188 3.5 2.4 3.6



#51
Chlorobenzene
Concen: 48.504 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.000 min
Lab File: VV037000.D
Acq: 22 Aug 2024 10:00

Tgt Ion:112 Resp: 1344524
Ion Ratio Lower Upper
112 100
114 32.1 22.7 42.3
77 59.6 48.2 72.2





#52

Ethylbenzene

Concen: 49.897 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

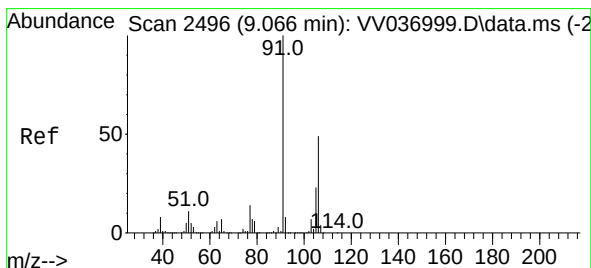
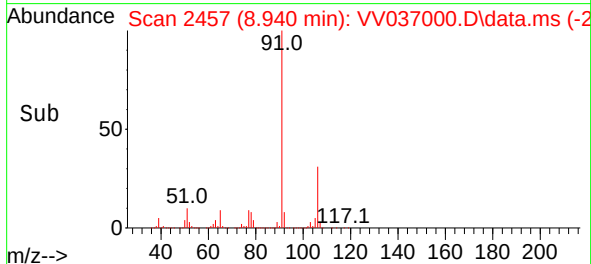
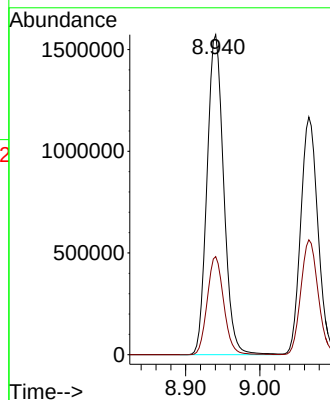
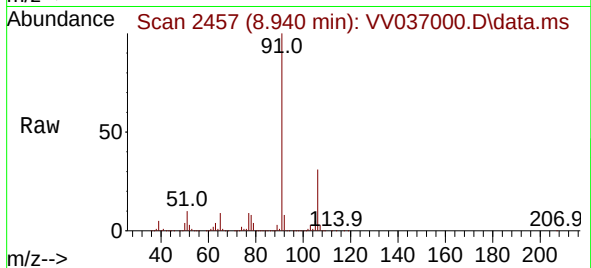
ClientSampleId :

Tgt Ion: 91 Resp: 2442231

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.5



#53

m,p-Xylene

Concen: 50.187 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.000 min

Lab File: VV037000.D

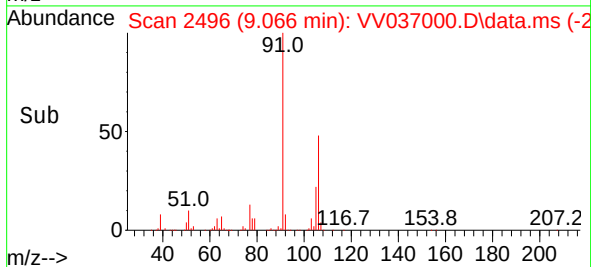
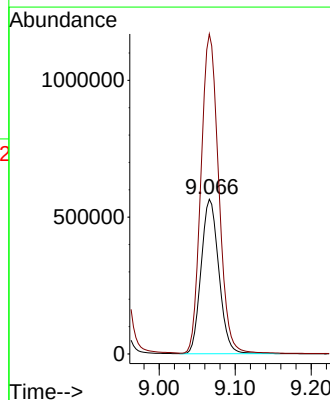
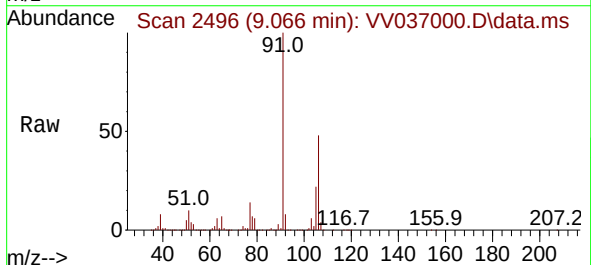
Acq: 22 Aug 2024 10:00

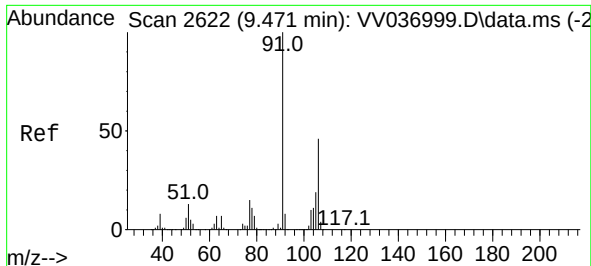
Tgt Ion:106 Resp: 912651

Ion Ratio Lower Upper

106 100

91 206.9 142.4 264.4

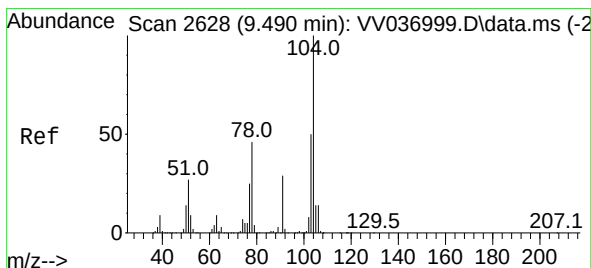
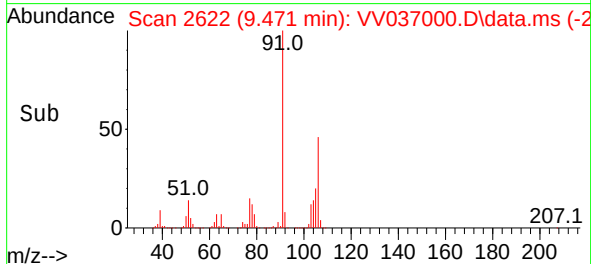
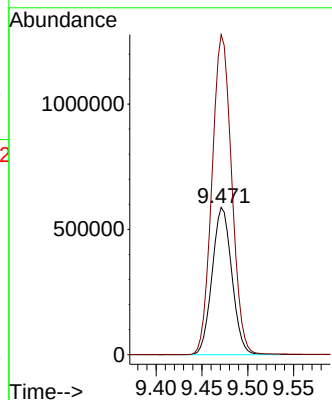
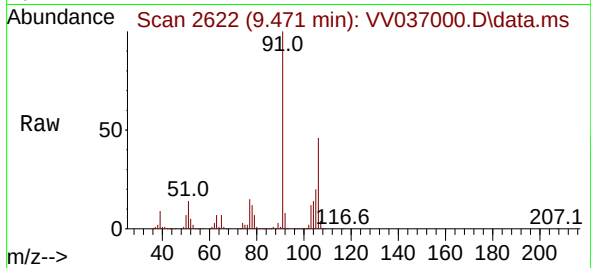




#54
o-Xylene
Concen: 50.497 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. 0.000 min
Lab File: VV037000.D
Acq: 22 Aug 2024 10:00

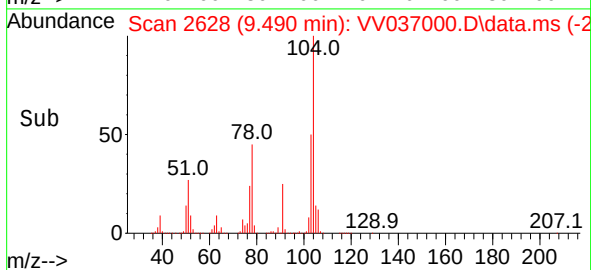
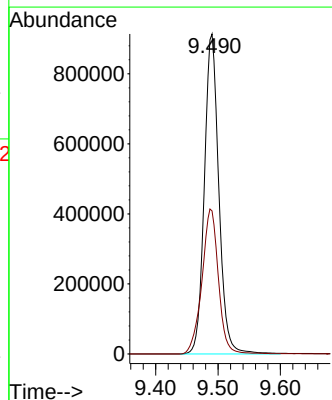
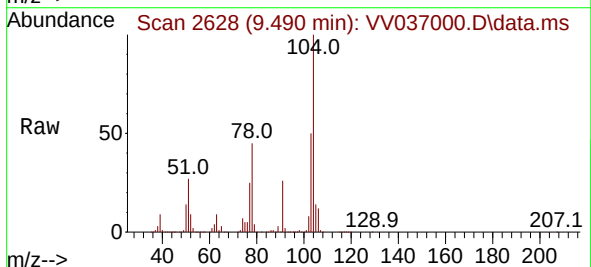
Instrument :
MSVOA_V
ClientSampleId :

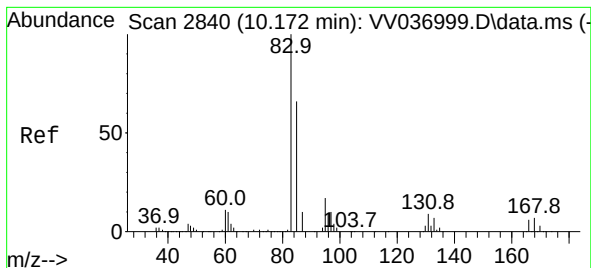
Tgt Ion:106 Resp: 877191
Ion Ratio Lower Upper
106 100
91 217.5 152.8 283.8



#55
Styrene
Concen: 51.492 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.000 min
Lab File: VV037000.D
Acq: 22 Aug 2024 10:00

Tgt Ion:104 Resp: 1476304
Ion Ratio Lower Upper
104 100
78 44.7 31.9 59.2

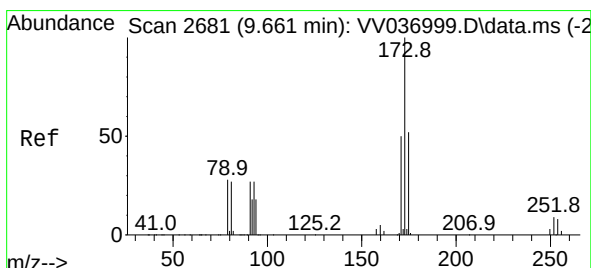
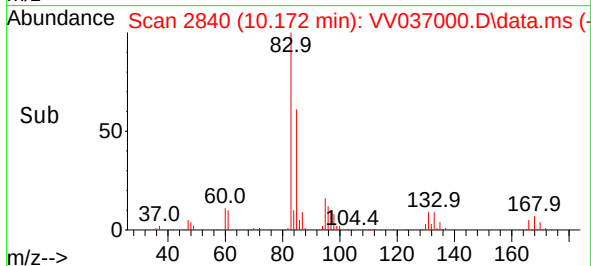
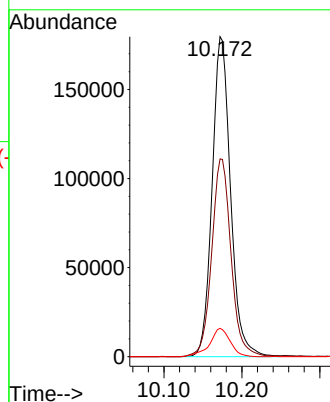
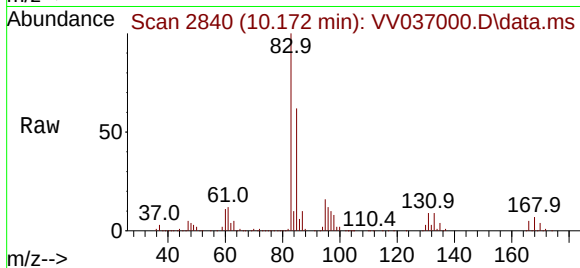




#57
1,1,2,2-Tetrachloroethane
Concen: 48.595 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. 0.000 min
Lab File: VV037000.D
Acq: 22 Aug 2024 10:00

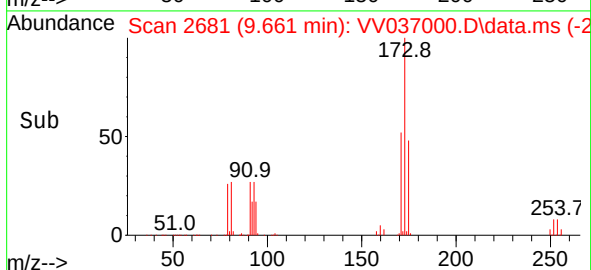
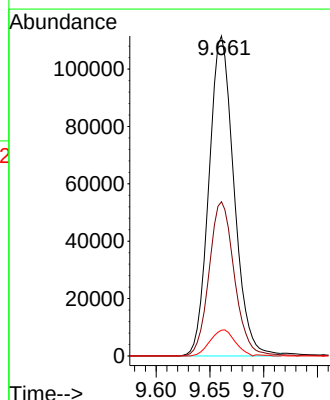
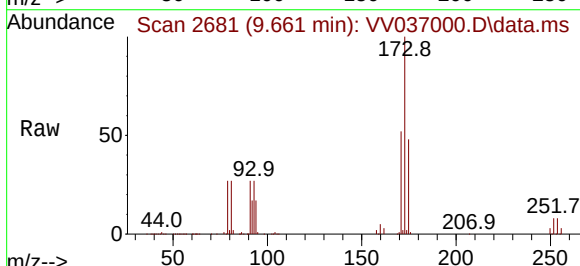
Instrument :
MSVOA_V
ClientSampleId :

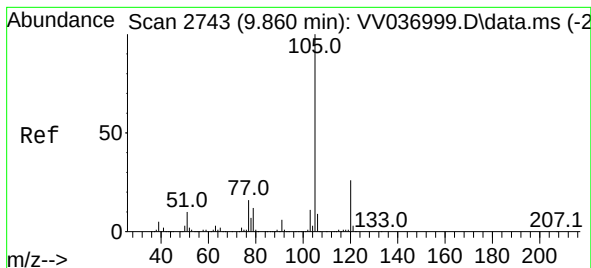
Tgt Ion: 83 Resp: 295511
Ion Ratio Lower Upper
83 100
85 61.8 46.4 86.2
131 8.8 7.6 11.4



#59
Bromoform
Concen: 51.261 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.000 min
Lab File: VV037000.D
Acq: 22 Aug 2024 10:00

Tgt Ion: 173 Resp: 180740
Ion Ratio Lower Upper
173 100
175 48.7 40.1 60.1
254 8.1 6.2 9.4





#60

Isopropylbenzene

Concen: 49.186 ug/L

RT: 9.860 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

ClientSampleId :

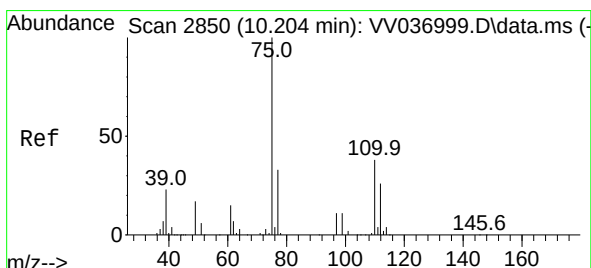
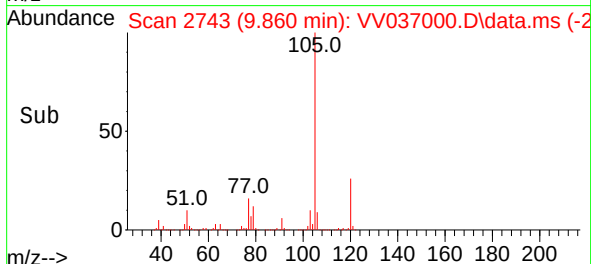
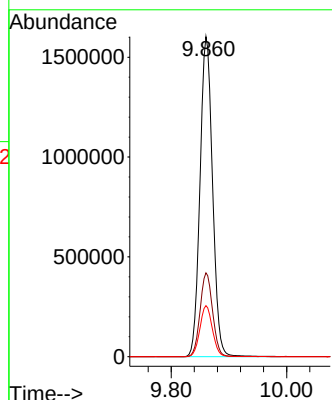
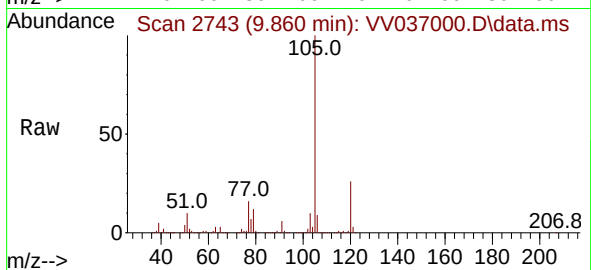
Tgt Ion:105 Resp: 2414462

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

77 15.9 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 48.181 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. 0.000 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

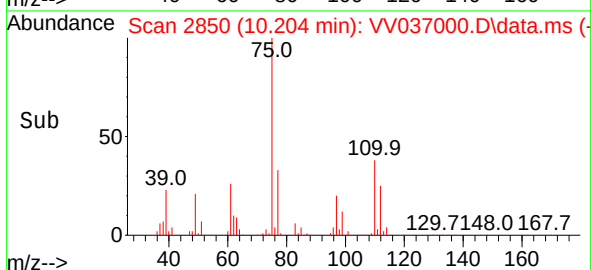
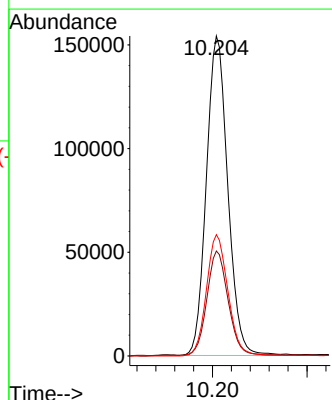
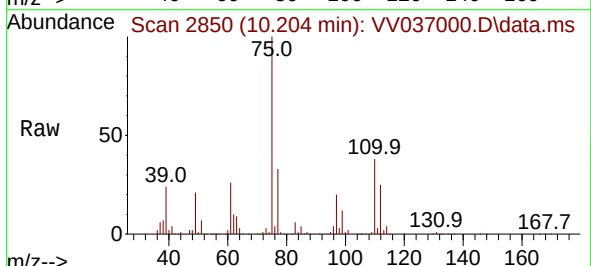
Tgt Ion: 75 Resp: 241890

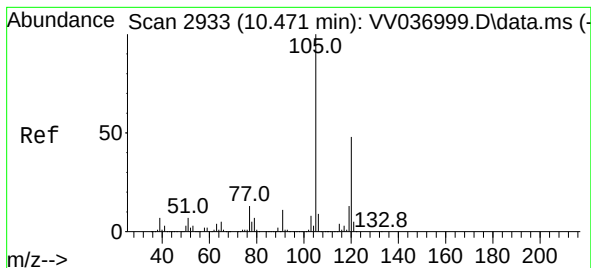
Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

110 38.2 31.0 46.4





#62

1,3,5-Trimethylbenzene

Concen: 49.887 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.000 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

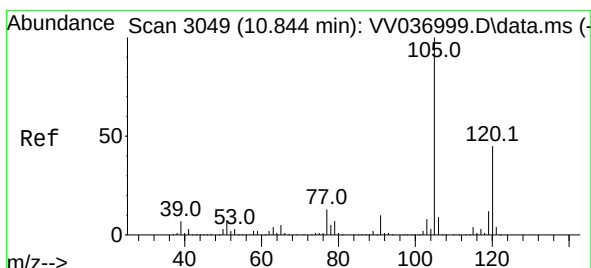
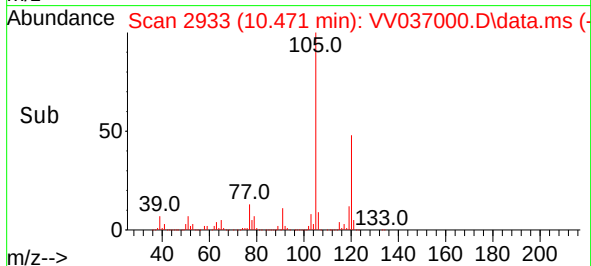
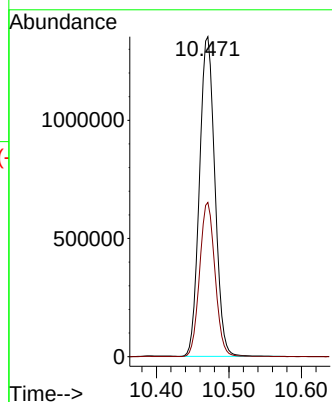
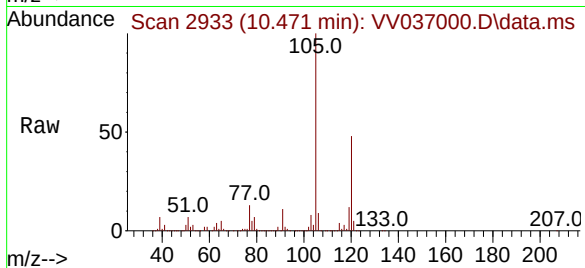
ClientSampleId :

Tgt Ion:105 Resp: 2004910

Ion Ratio Lower Upper

105 100

120 48.0 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 50.712 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VV037000.D

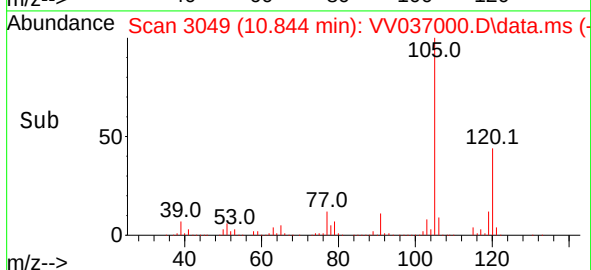
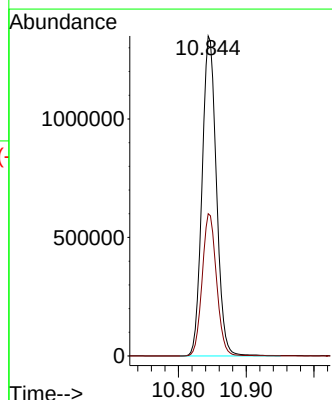
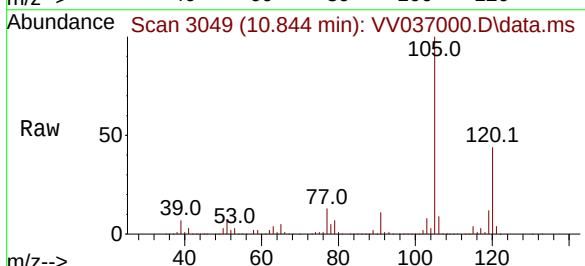
Acq: 22 Aug 2024 10:00

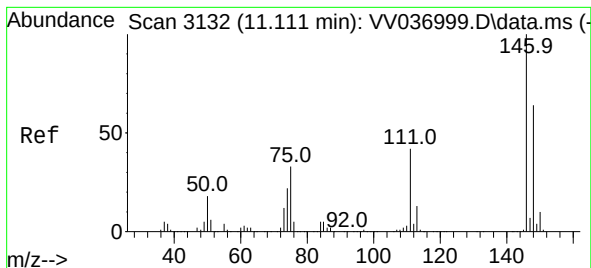
Tgt Ion:105 Resp: 1986529

Ion Ratio Lower Upper

105 100

120 44.5 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 48.060 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

ClientSampleId :

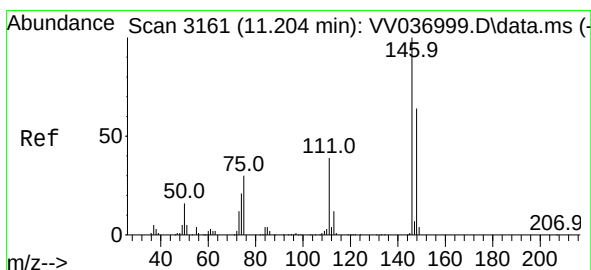
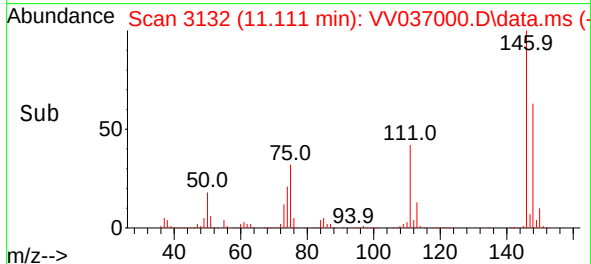
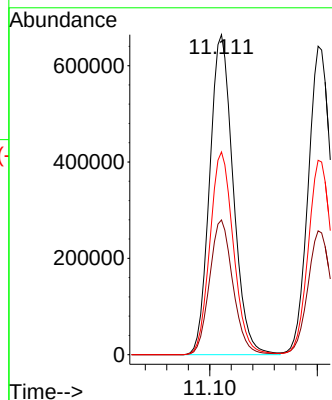
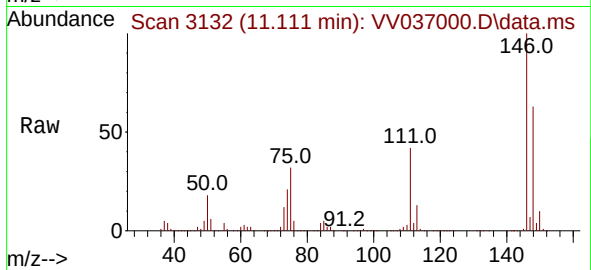
Tgt Ion:146 Resp: 1008236

Ion Ratio Lower Upper

146 100

111 42.1 29.5 54.9

148 63.3 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 47.762 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. -0.003 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

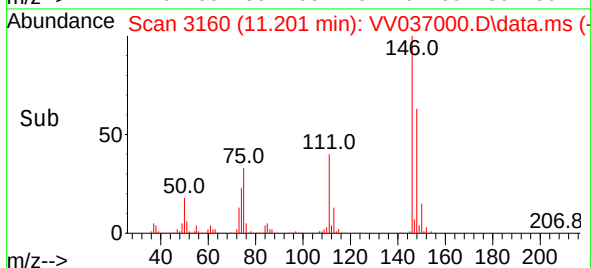
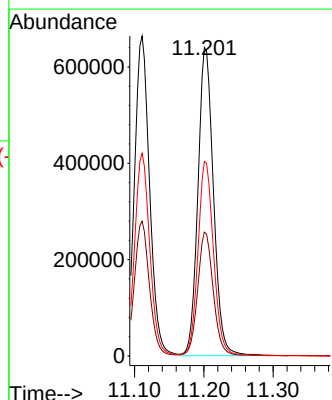
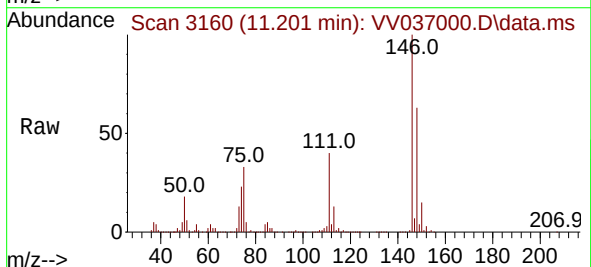
Tgt Ion:146 Resp: 1000828

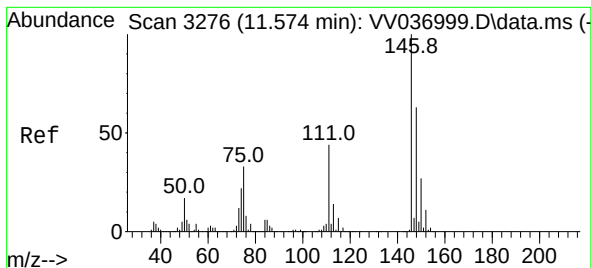
Ion Ratio Lower Upper

146 100

111 40.2 27.6 51.4

148 63.0 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 47.879 ug/L

RT: 11.574 min Scan# 31

Delta R.T. 0.000 min

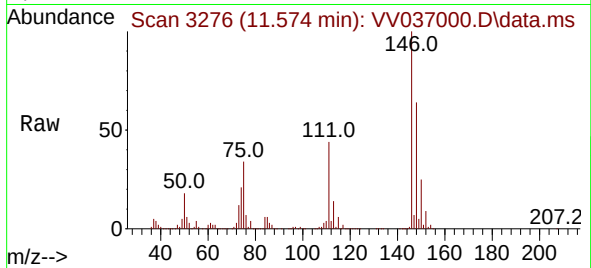
Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

ClientSampleId :



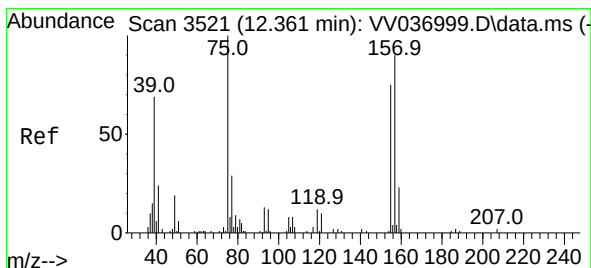
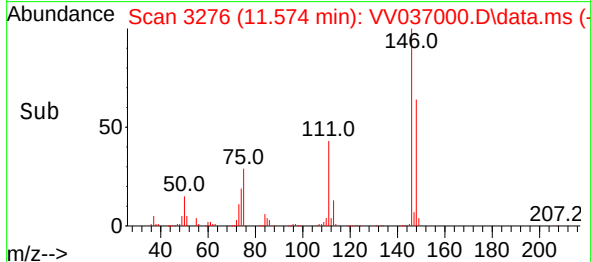
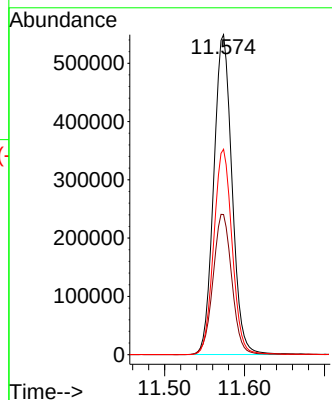
Tgt Ion:146 Resp: 870250

Ion Ratio Lower Upper

146 100

111 43.8 35.4 53.0

148 64.2 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 48.932 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.003 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

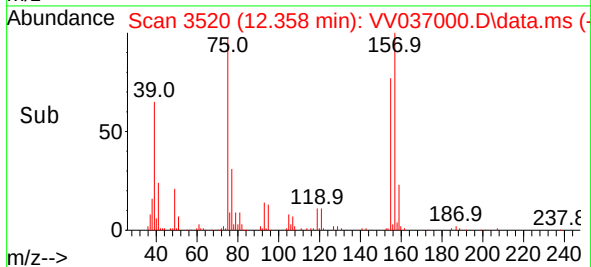
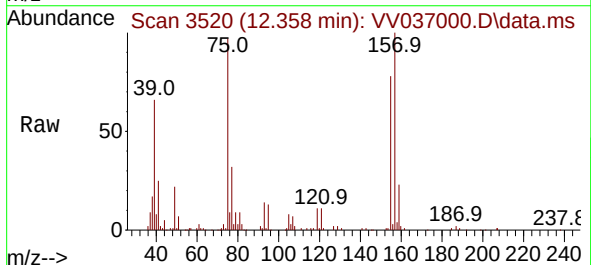
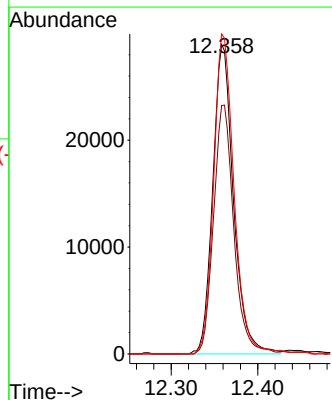
Tgt Ion: 75 Resp: 48084

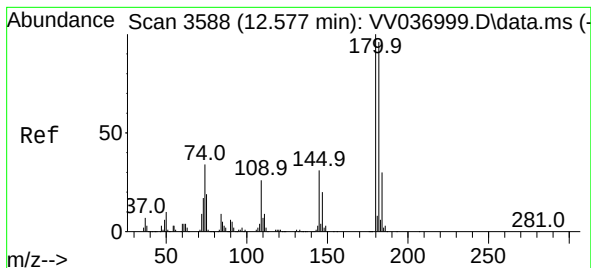
Ion Ratio Lower Upper

75 100

155 80.3 59.9 89.9

157 103.4 72.2 108.2





#69

1,3,5-Trichlorobenzene

Concen: 47.902 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 700336

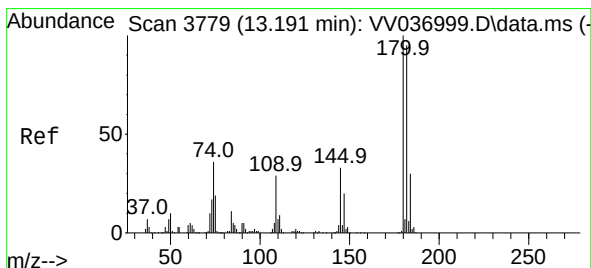
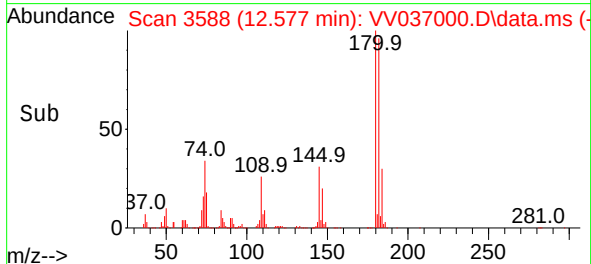
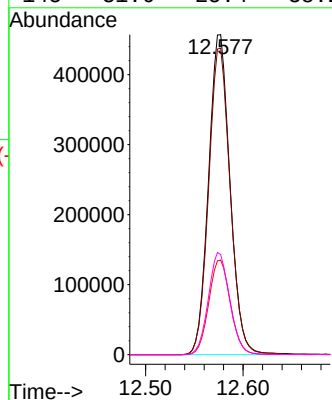
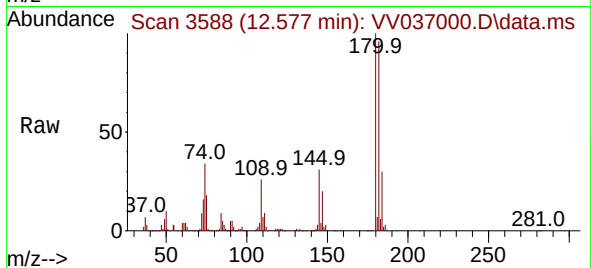
Ion Ratio Lower Upper

180 100

182 96.3 76.4 114.6

184 29.9 24.2 36.4

145 31.6 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 48.598 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

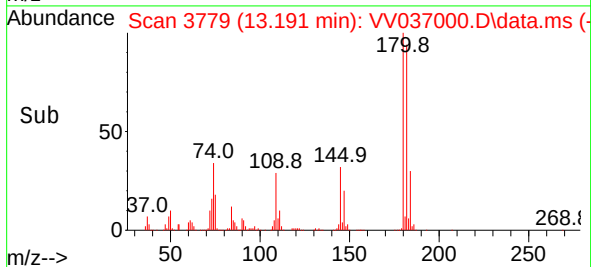
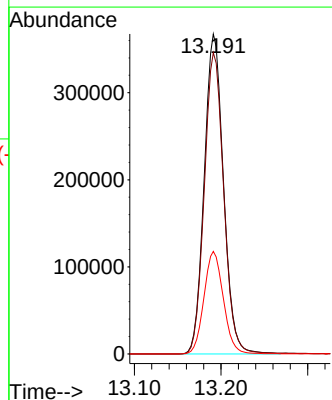
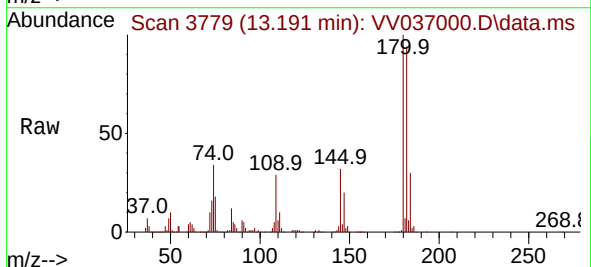
Tgt Ion:180 Resp: 568584

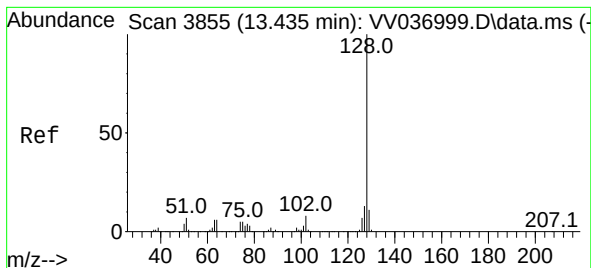
Ion Ratio Lower Upper

180 100

182 94.6 76.0 114.0

145 32.2 25.8 38.6





#71

Naphthalene

Concen: 50.312 ug/L

RT: 13.432 min Scan# 3855

Delta R.T. -0.003 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Instrument :

MSVOA_V

ClientSampleId :

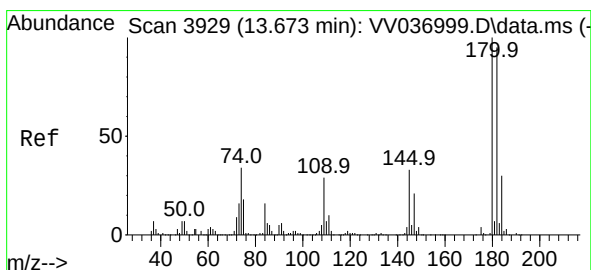
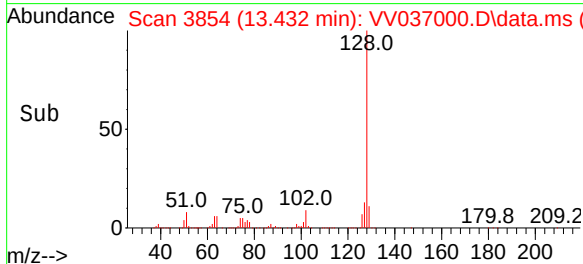
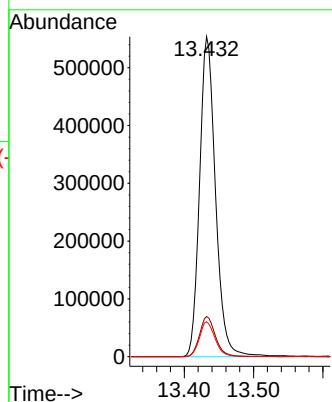
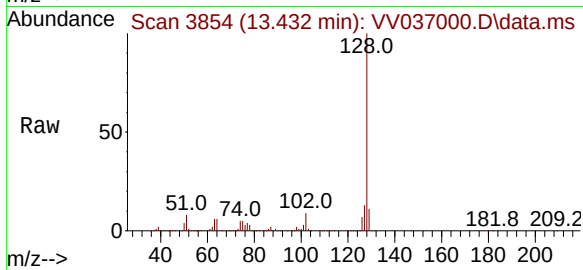
Tgt Ion:128 Resp: 886736

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 49.179 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.000 min

Lab File: VV037000.D

Acq: 22 Aug 2024 10:00

Tgt Ion:180 Resp: 476397

Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.4

145 33.8 26.6 40.0

