

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV037003.D
 Acq On : 22 Aug 2024 11:38
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 05:13:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 05:07:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	696657	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	638241	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	302147	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	206859	21.191	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.760%
7) Chloroethane-d5	1.535	69	191919	22.984	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.920%
11) 1,1-Dichloroethene-d2	2.060	65	104742	22.274	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.080%
21) 2-Butanone-d5	3.834	46	55150	30.464	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.920%
24) Chloroform-d	4.246	84	489810	24.949	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	4.940	65	213160	23.604	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	4.953	84	963979	25.205	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.800%
36) 1,2-Dichloropropane-d6	5.985	67	286556	24.748	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.000%
41) Toluene-d8	7.236	98	894211	25.652	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.600%
43) trans-1,3-Dichloroprop...	7.551	79	98629	24.415	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.640%
47) 2-Hexanone-d5	8.034	63	49484	48.315	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.640%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	149079	23.255	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.040%
66) 1,2-Dichlorobenzene-d4	11.554	152	273928	25.327	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.320%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	258002	23.712	ug/L	99
3) Chloromethane	1.220	50	305795	24.274	ug/L	100
5) Vinyl chloride	1.285	62	311509	24.968	ug/L	99
6) Bromomethane	1.490	94	194761	24.545	ug/L	99
8) Chloroethane	1.552	64	194522	24.685	ug/L	98
9) Trichlorofluoromethane	1.716	101	418541	25.408	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	256242	25.239	ug/L	99
12) 1,1-Dichloroethene	2.069	96	241295	25.520	ug/L	97
13) Acetone	2.072	43	3010	1.417	ug/L	79
14) Carbon disulfide	2.240	76	783867	25.036	ug/L	100
15) Methyl Acetate	2.384	43	80503	23.251	ug/L	98
16) Methylene chloride	2.445	84	276060	19.921	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	262479	25.361	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	497809	23.217	ug/L	99
19) 1,1-Dichloroethane	3.108	63	507706	25.200	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	279369	25.165	ug/L	99
22) 2-Butanone	3.912	43	105348	48.183	ug/L	94
23) Bromochloromethane	4.143	128	105812	24.018	ug/L	98
25) Chloroform	4.272	83	497665	25.271	ug/L	100

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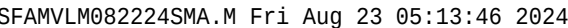
Instrument :
 MSVOA_V
 ClientSampleId :

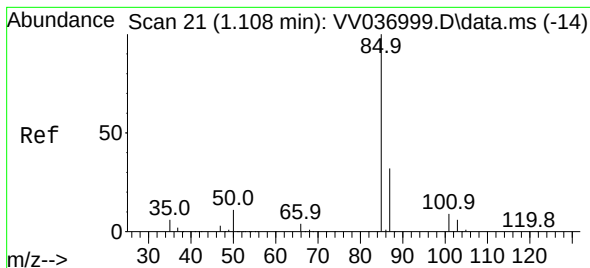
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	258128	23.969	ug/L	100
29) Cyclohexane	4.574	56	436171	26.344	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	419492	26.066	ug/L	99
31) Carbon tetrachloride	4.728	117	359891	26.496	ug/L	100
33) Benzene	5.005	78	1078272	25.916	ug/L	100
34) Trichloroethene	5.828	95	301819	25.697	ug/L	97
35) Methylcyclohexane	6.043	83	474922	26.151	ug/L	99
37) 1,2-Dichloropropane	6.088	63	260814	25.949	ug/L	100
38) Bromodichloromethane	6.429	83	318020	25.473	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	368637	25.118	ug/L	96
40) 4-Methyl-2-pentanone	7.162	43	200712	47.302	ug/L	99
42) Toluene	7.310	91	1131594	25.960	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	284154	25.445	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	159450	24.173	ug/L	99
46) Tetrachloroethene	7.899	164	213351	25.691	ug/L	97
48) 2-Hexanone	8.079	43	158698	49.920	ug/L	96
49) Dibromochloromethane	8.172	129	179191	24.693	ug/L	100
50) 1,2-Dibromoethane	8.278	107	146186	24.558	ug/L	98
51) Chlorobenzene	8.808	112	710831	25.536	ug/L	99
52) Ethylbenzene	8.940	91	1301015	26.470	ug/L	100
53) m,p-Xylene	9.066	106	483392	26.471	ug/L	99
54) o-Xylene	9.471	106	453470	25.996	ug/L	98
55) Styrene	9.490	104	761421	26.447	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	142824	23.389	ug/L	98
59) Bromoform	9.661	173	82870	24.217	ug/L	100
60) Isopropylbenzene	9.860	105	1286970	27.014	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	118080	24.234	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	1049153	26.898	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	1038052	27.305	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	529579	26.010	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	525980	25.864	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	454481	25.764	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	22777	23.921	ug/L	96
69) 1,3,5-Trichlorobenzene	12.577	180	379523	26.748	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	297610	26.210	ug/L	100
71) Naphthalene	13.432	128	437642	25.586	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	243907	25.944	ug/L	99

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

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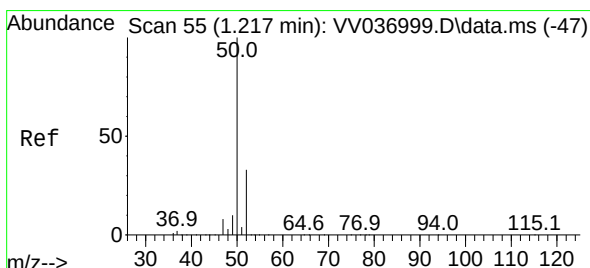
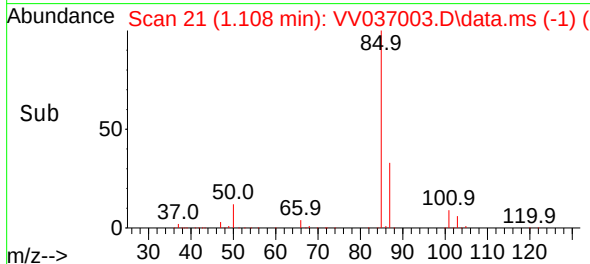
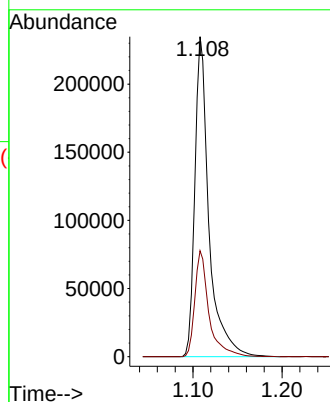
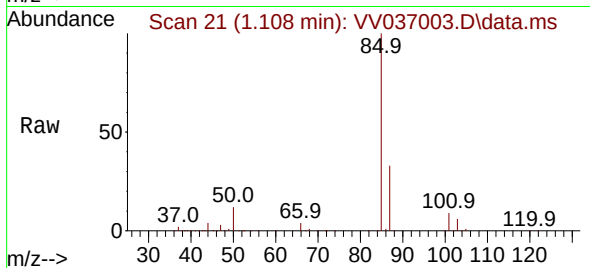




#2
Dichlorodifluoromethane
Concen: 23.712 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

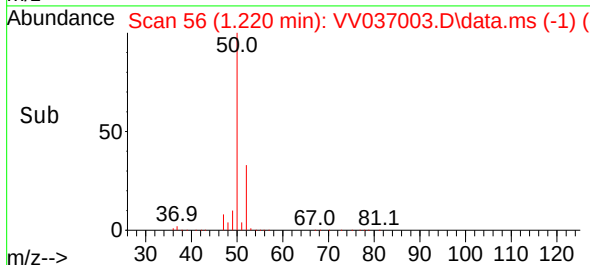
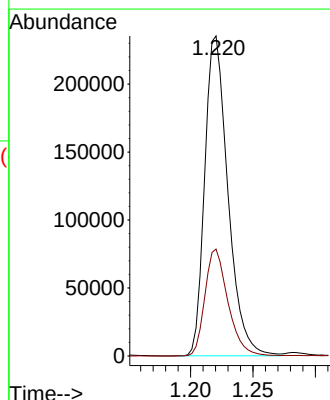
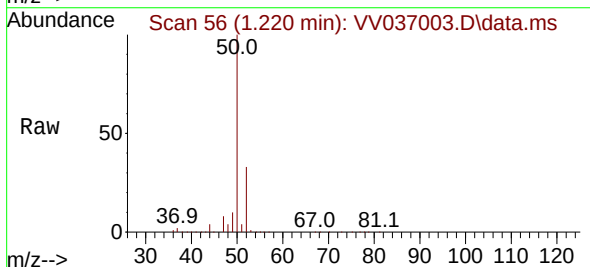
Instrument :
MSVOA_V
ClientSampleId :

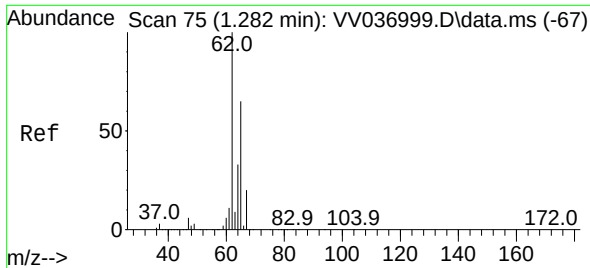
Tgt Ion: 85 Resp: 258002
Ion Ratio Lower Upper
85 100
87 33.3 26.1 39.1



#3
Chloromethane
Concen: 24.274 ug/L
RT: 1.220 min Scan# 56
Delta R.T. 0.003 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

Tgt Ion: 50 Resp: 305795
Ion Ratio Lower Upper
50 100
52 33.4 23.2 43.2

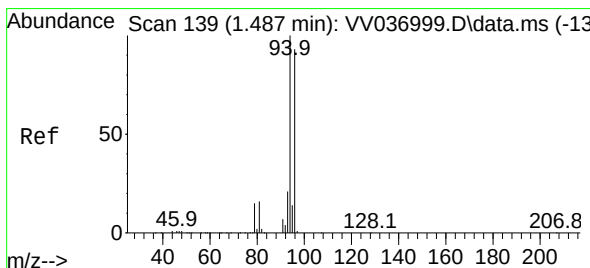
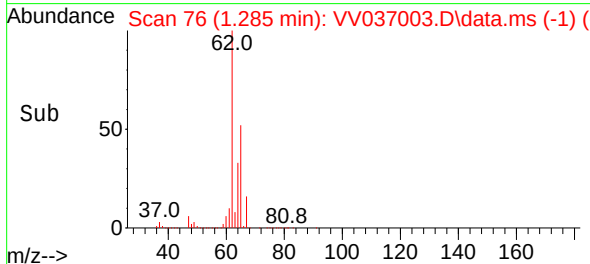
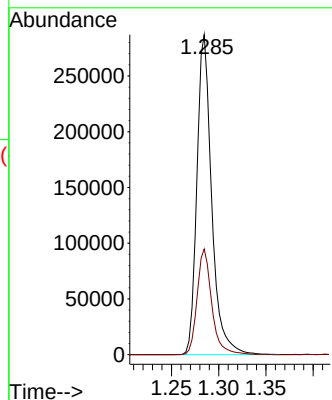
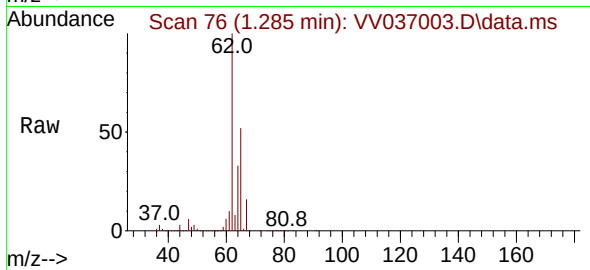




#5
 Vinyl chloride
 Concen: 24.968 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV037003.D
 Acq: 22 Aug 2024 11:38

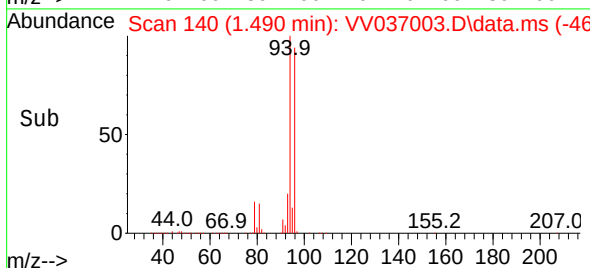
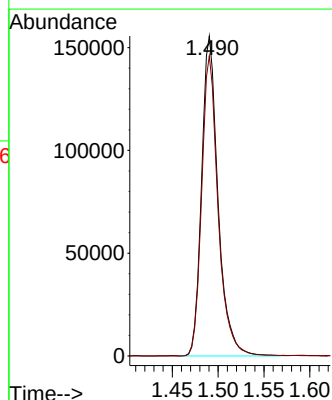
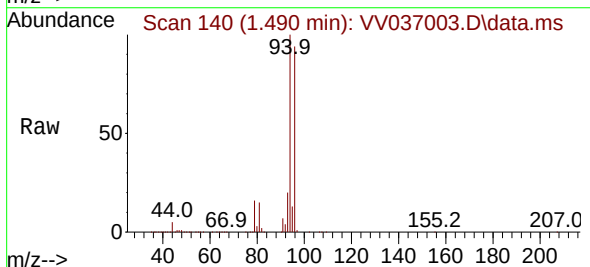
Instrument :
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 ClientSampleId :

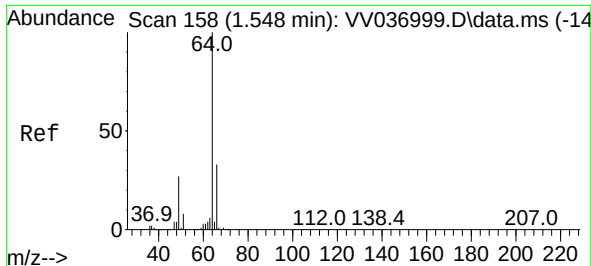
Tgt Ion: 62 Resp: 311509
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.8 42.4



#6
 Bromomethane
 Concen: 24.545 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV037003.D
 Acq: 22 Aug 2024 11:38

Tgt Ion: 94 Resp: 194761
 Ion Ratio Lower Upper
 94 100
 96 93.8 65.0 120.6

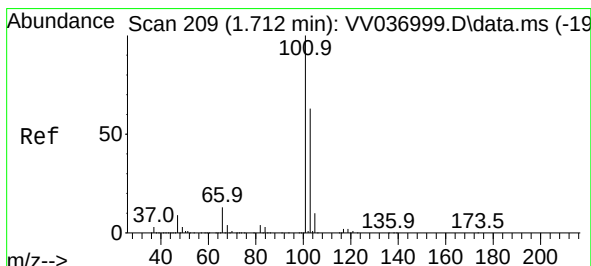
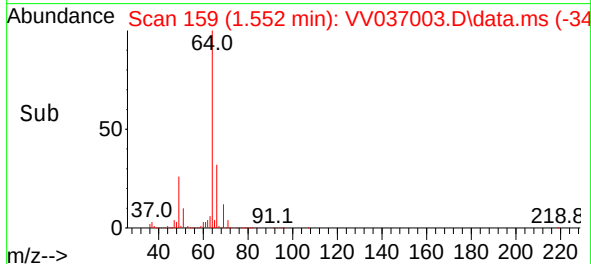
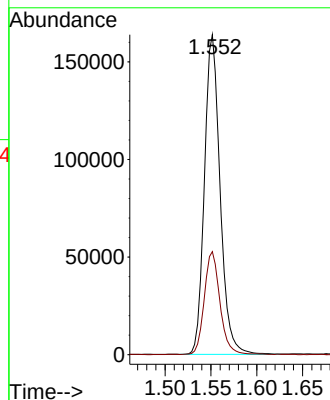
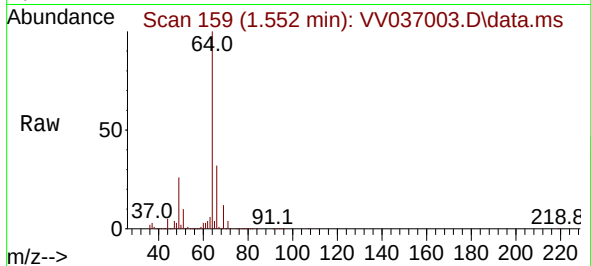




#8
Chloroethane
Concen: 24.685 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

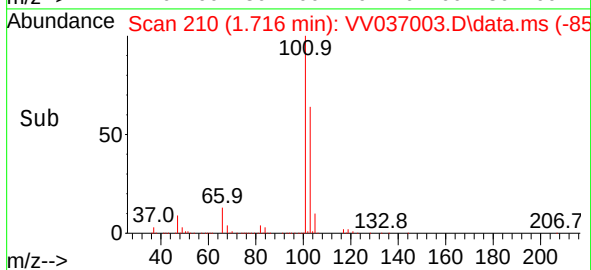
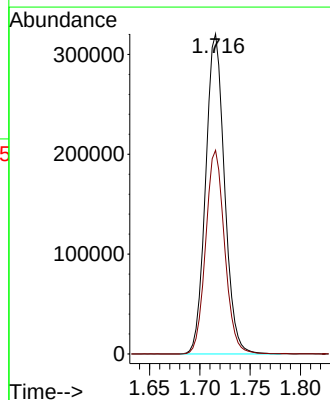
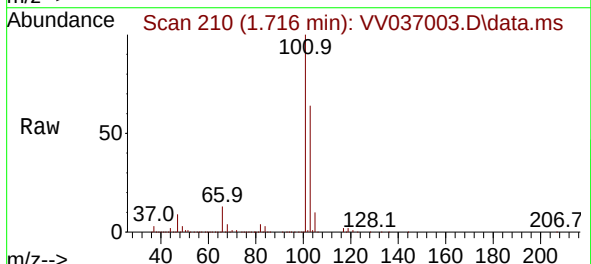
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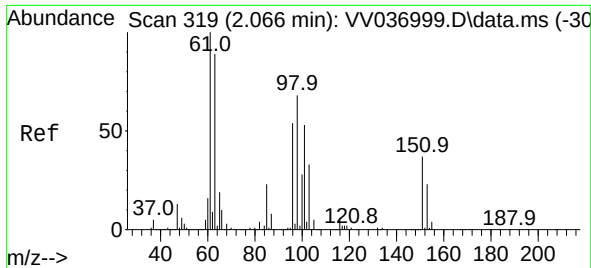
Tgt Ion: 64 Resp: 194522
Ion Ratio Lower Upper
64 100
66 32.2 23.2 43.0



#9
Trichlorofluoromethane
Concen: 25.408 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

Tgt Ion:101 Resp: 418541
Ion Ratio Lower Upper
101 100
103 63.9 51.0 76.6

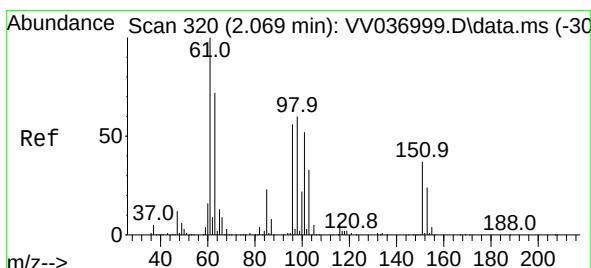
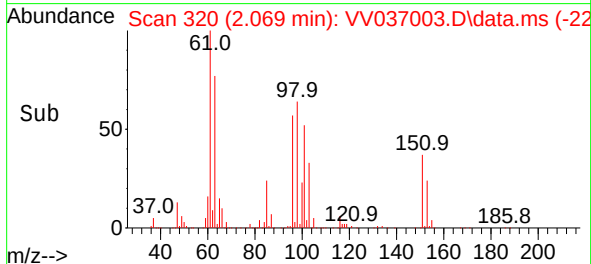
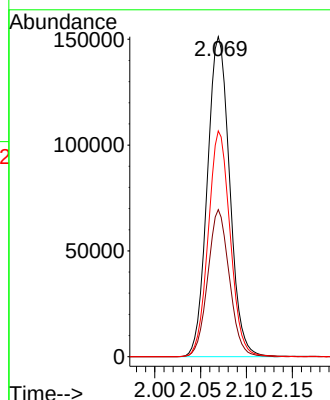
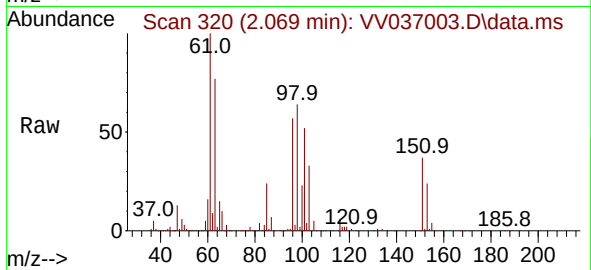




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 25.239 ug/L
RT: 2.069 min Scan# 319
Delta R.T. 0.003 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

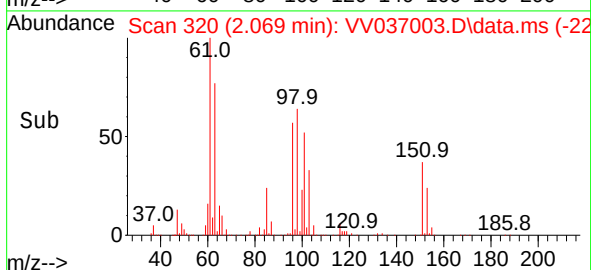
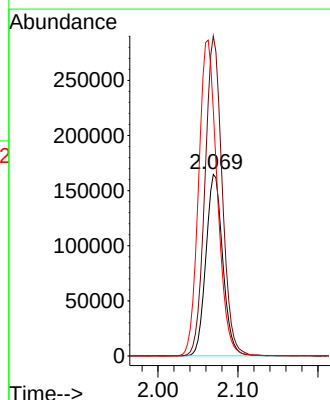
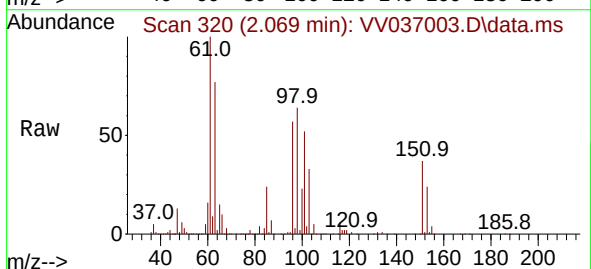
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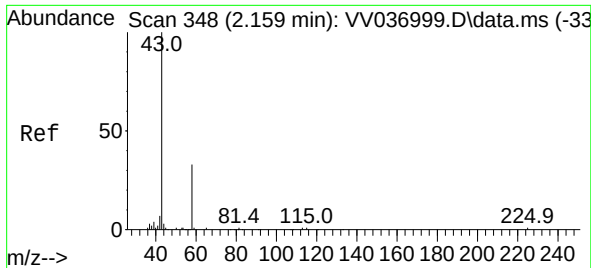
Tgt Ion:101 Resp: 256242
Ion Ratio Lower Upper
101 100
85 44.4 35.6 53.4
151 69.2 56.3 84.5



#12
1,1-Dichloroethene
Concen: 25.520 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.000 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

Tgt Ion: 96 Resp: 241295
Ion Ratio Lower Upper
96 100
61 176.2 126.0 234.0
63 135.3 91.0 169.0





#13

Acetone

Concen: 1.417 ug/L

RT: 2.072 min Scan# 31

Delta R.T. -0.087 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

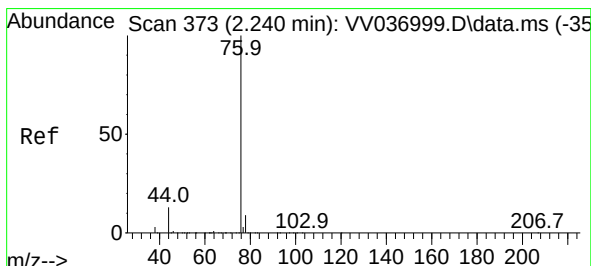
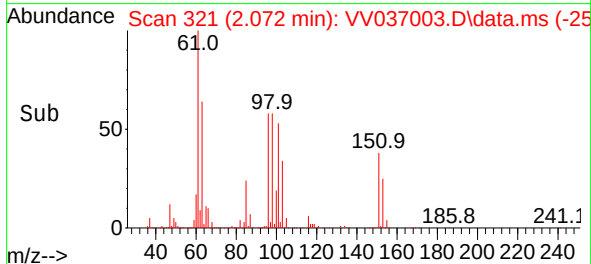
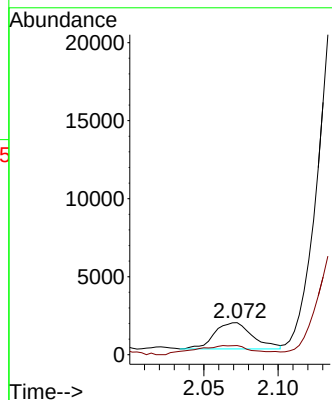
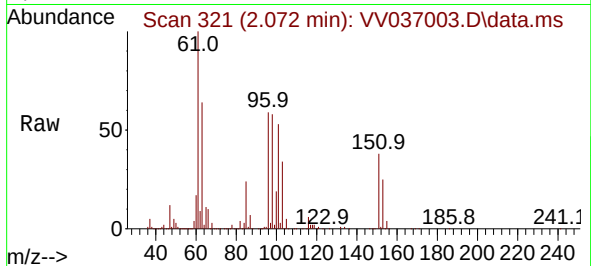
ClientSampleId :

Tgt Ion: 43 Resp: 3010

Ion Ratio Lower Upper

43 100

58 2.6 0.0 21.2



#14

Carbon disulfide

Concen: 25.036 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV037003.D

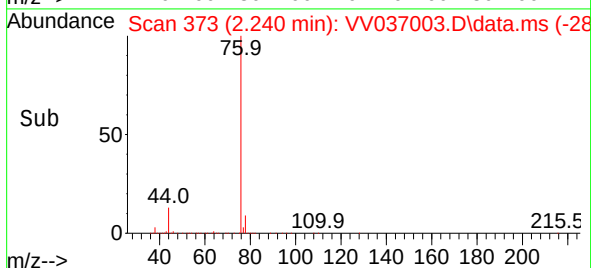
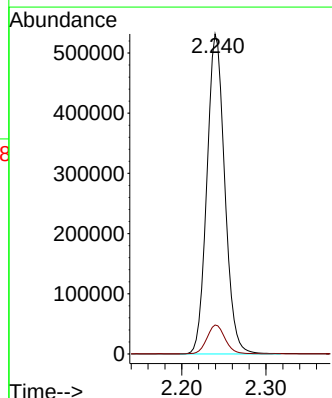
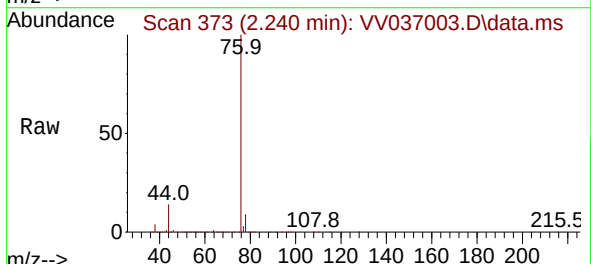
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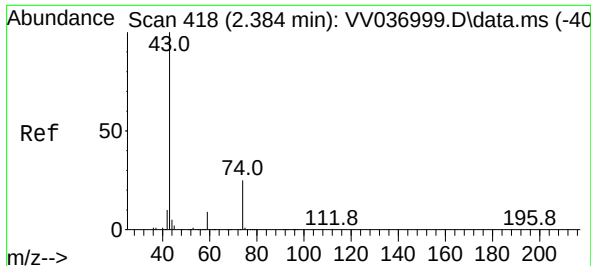
Tgt Ion: 76 Resp: 783867

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





#15

Methyl Acetate

Concen: 23.251 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

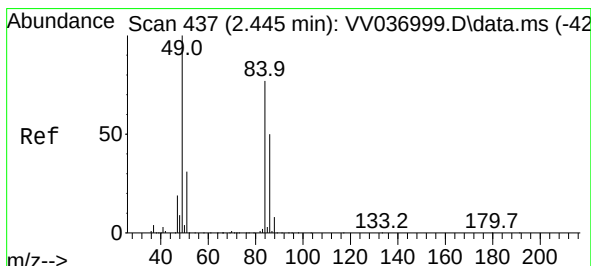
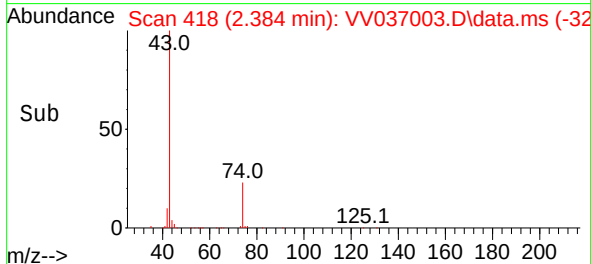
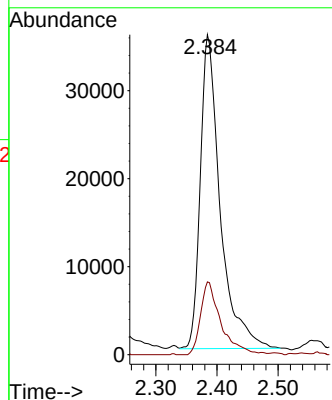
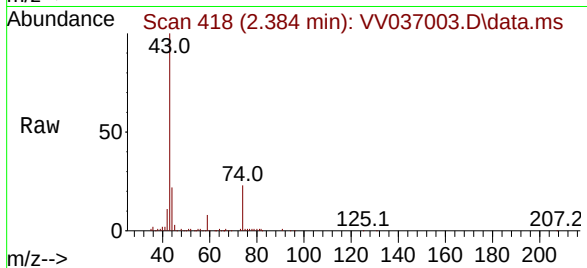
ClientSampleId :

Tgt Ion: 43 Resp: 80503

Ion Ratio Lower Upper

43 100

74 23.6 19.6 29.4



#16

Methylene chloride

Concen: 19.921 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

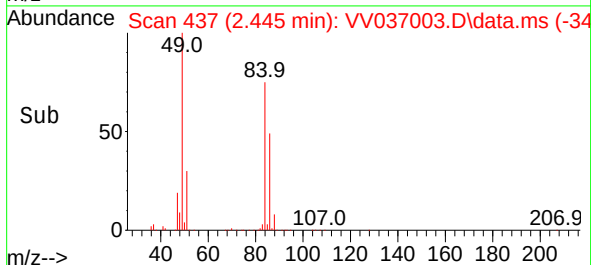
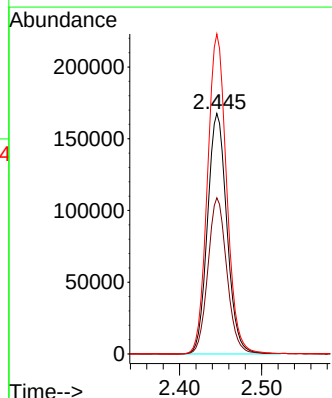
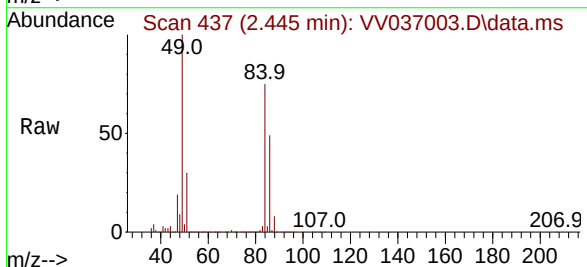
Tgt Ion: 84 Resp: 276060

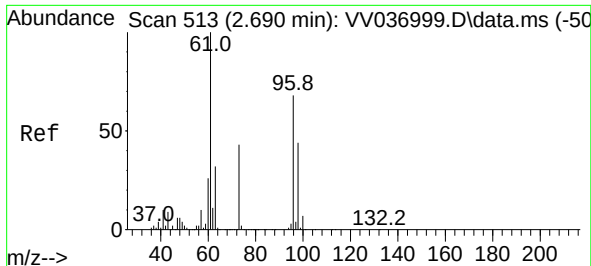
Ion Ratio Lower Upper

84 100

86 65.0 45.4 84.2

49 133.1 91.2 169.4

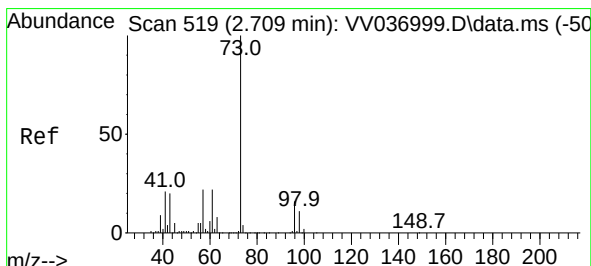
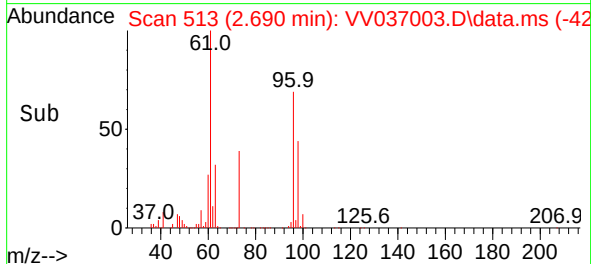
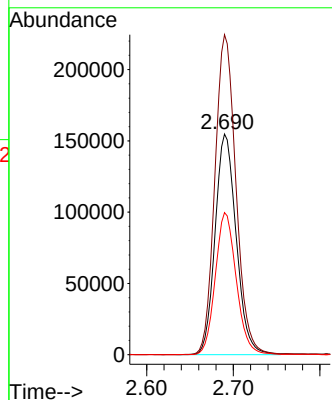
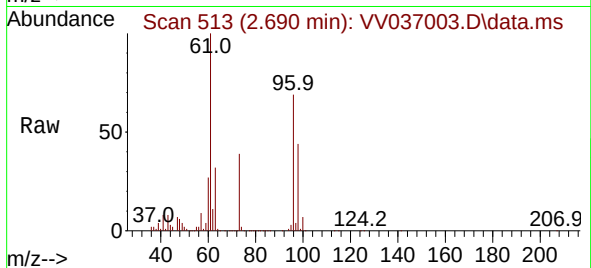




#17
trans-1,2-Dichloroethene
Concen: 25.361 ug/L
RT: 2.690 min Scan# 513
Delta R.T. -0.000 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

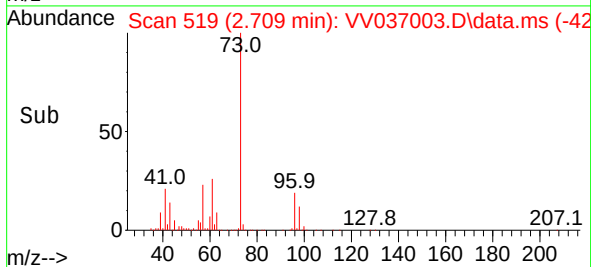
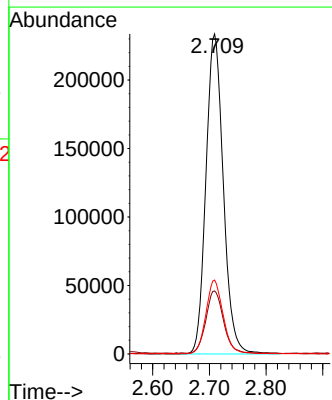
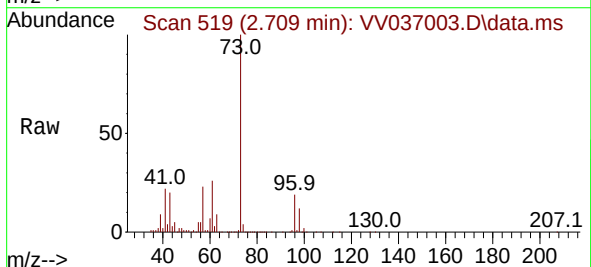
Instrument :
MSVOA_V
ClientSampleId :

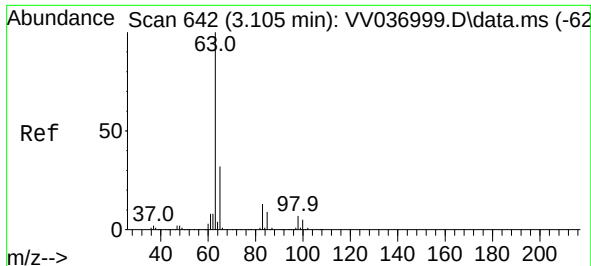
Tgt Ion: 96 Resp: 262479
Ion Ratio Lower Upper
96 100
61 145.1 103.3 191.9
98 64.4 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 23.217 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.000 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

Tgt Ion: 73 Resp: 497809
Ion Ratio Lower Upper
73 100
43 19.6 15.9 23.9
57 22.6 17.6 26.4





#19

1,1-Dichloroethane

Concen: 25.200 ug/L

RT: 3.108 min Scan# 642

Delta R.T. 0.003 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :

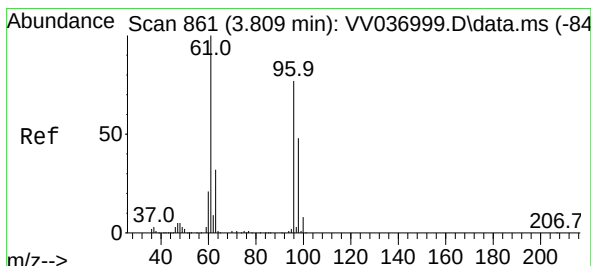
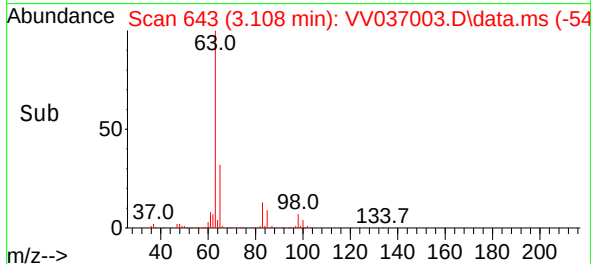
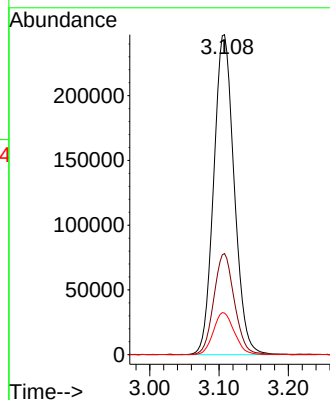
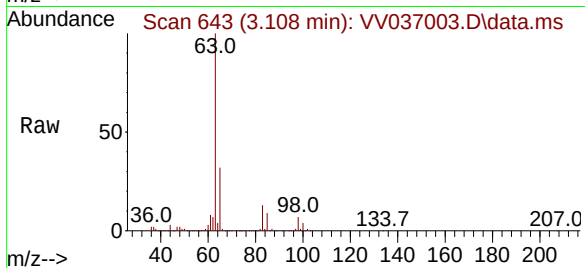
Tgt Ion: 63 Resp: 507706

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.3

83 13.0 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 25.165 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.003 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

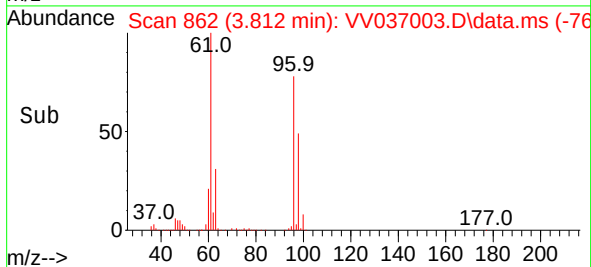
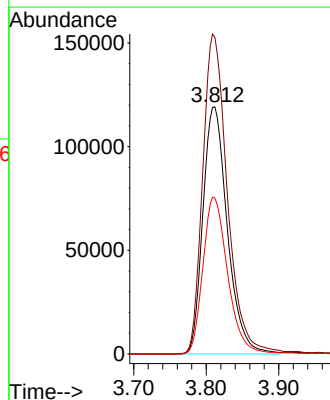
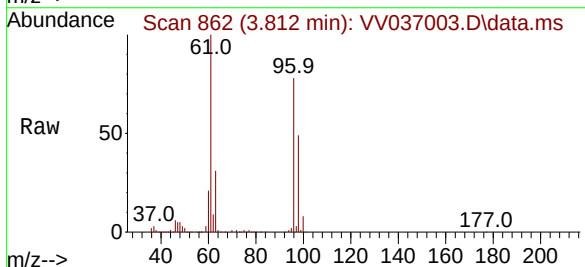
Tgt Ion: 96 Resp: 279369

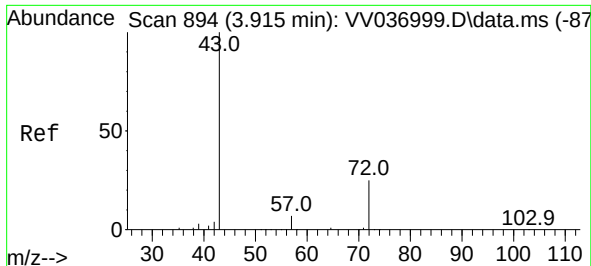
Ion Ratio Lower Upper

96 100

61 128.1 91.0 169.0

98 63.1 43.8 81.3





#22

2-Butanone

Concen: 48.183 ug/L

RT: 3.912 min Scan# 894

Delta R.T. -0.003 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

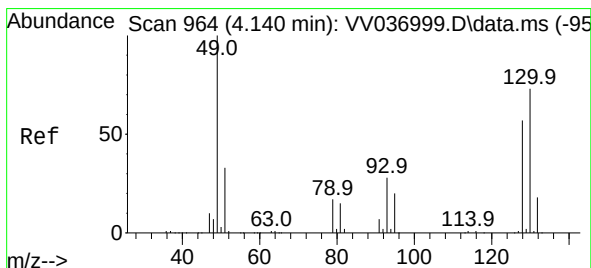
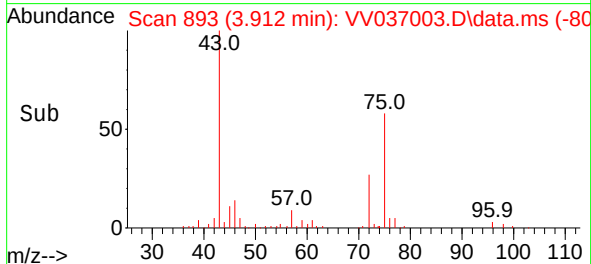
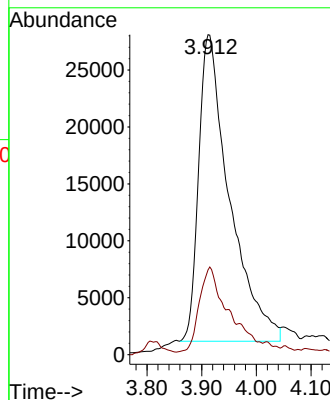
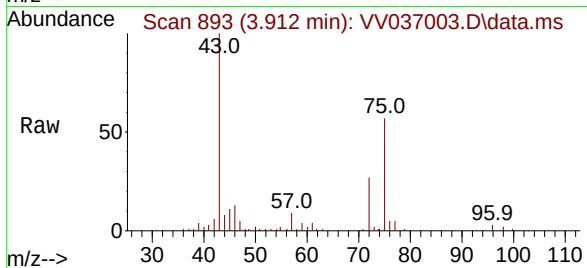
ClientSampleId :

Tgt Ion: 43 Resp: 105348

Ion Ratio Lower Upper

43 100

72 18.5 10.7 32.1



#23

Bromochloromethane

Concen: 24.018 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.003 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Tgt Ion:128 Resp: 105812

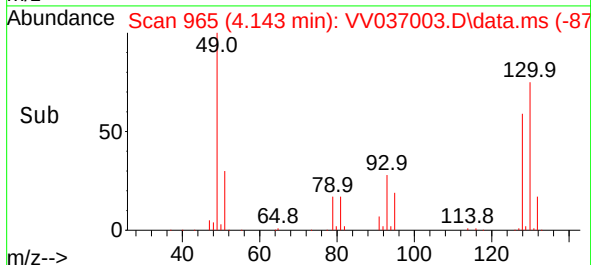
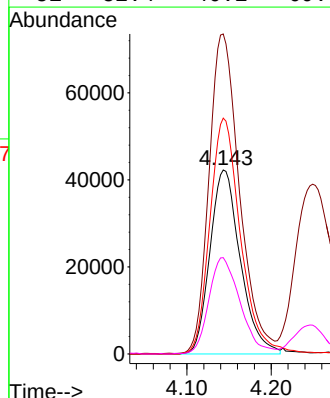
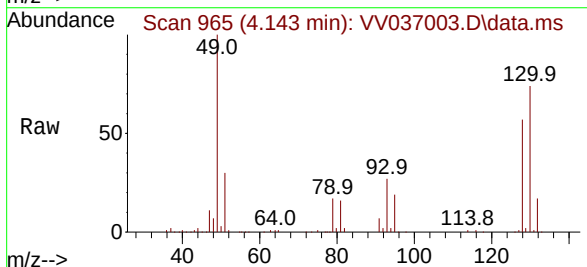
Ion Ratio Lower Upper

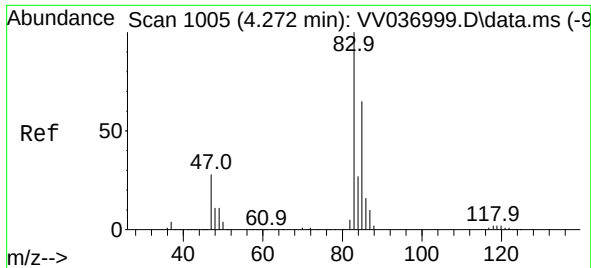
128 100

49 174.0 123.3 229.1

130 128.2 89.7 166.5

51 52.4 46.2 69.4

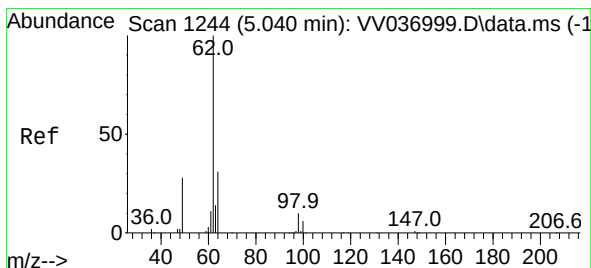
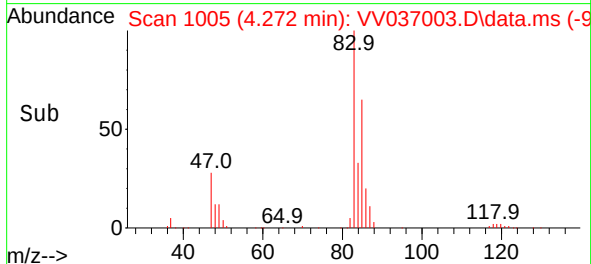
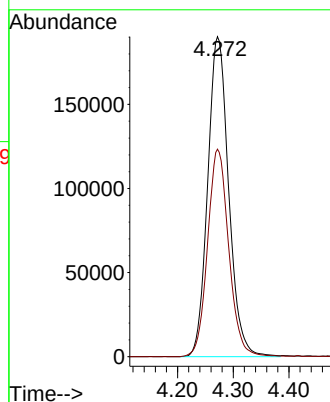
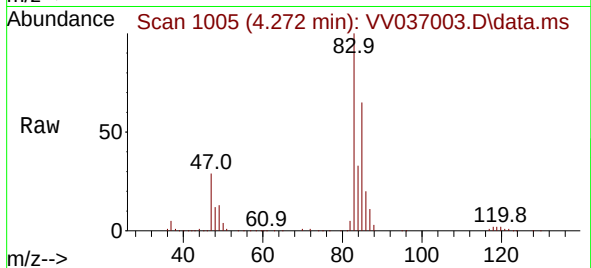




#25
Chloroform
Concen: 25.271 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. -0.000 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

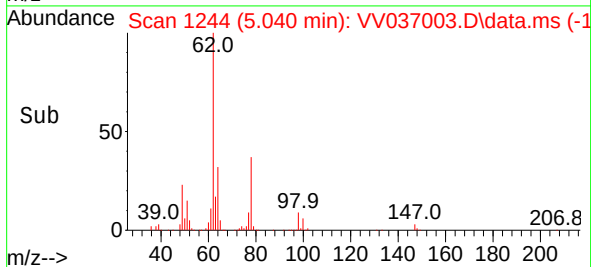
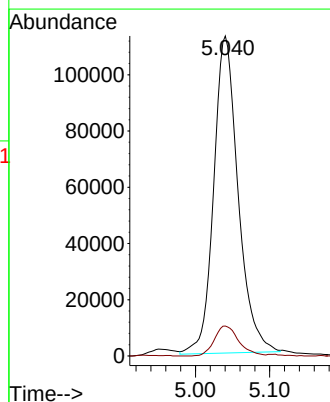
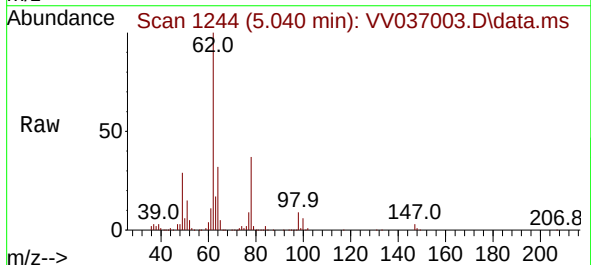
Instrument :
MSVOA_V
ClientSampleId :

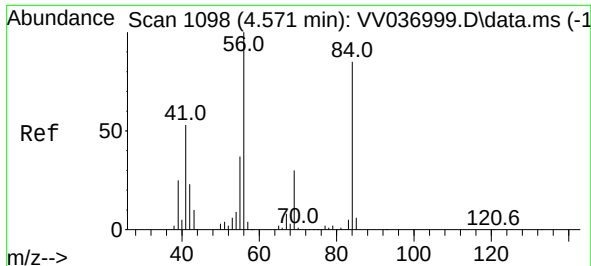
Tgt Ion: 83 Resp: 497665
Ion Ratio Lower Upper
83 100
85 64.9 45.5 84.5



#27
1,2-Dichloroethane
Concen: 23.969 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. -0.000 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

Tgt Ion: 62 Resp: 258128
Ion Ratio Lower Upper
62 100
98 9.3 7.5 11.3





#29

Cyclohexane

Concen: 26.344 ug/L

RT: 4.574 min Scan# 1098

Delta R.T. 0.003 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :

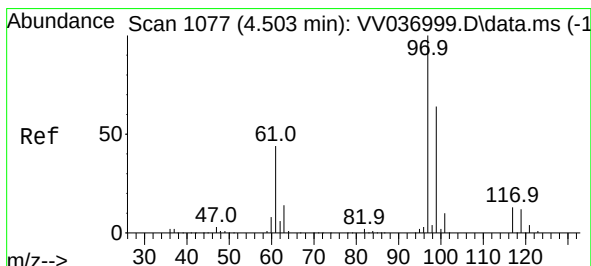
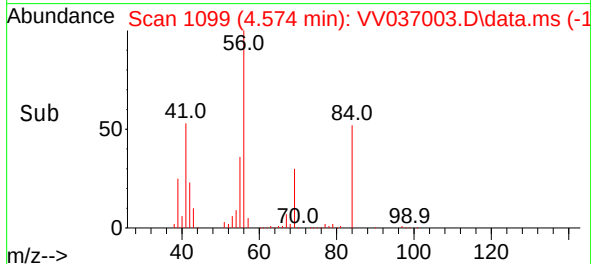
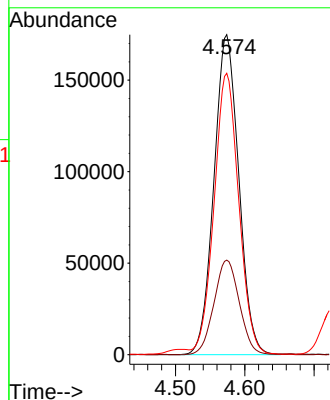
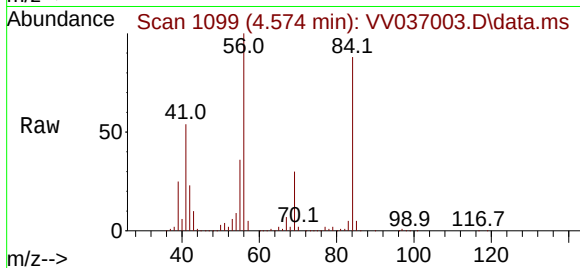
Tgt Ion: 56 Resp: 436171

Ion Ratio Lower Upper

56 100

69 30.2 24.7 37.1

84 87.1 70.0 105.0



#30

1,1,1-Trichloroethane

Concen: 26.066 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

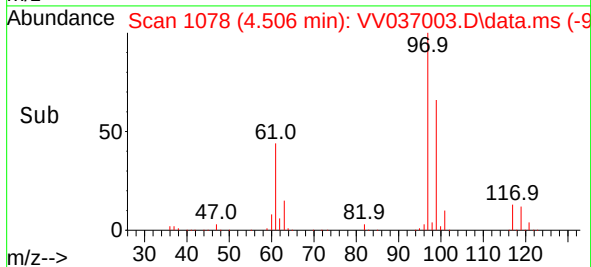
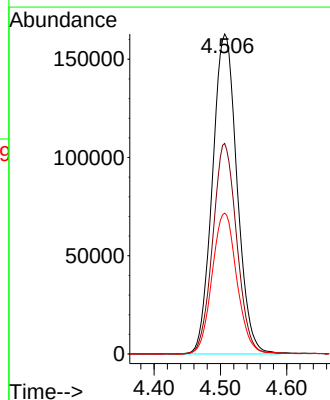
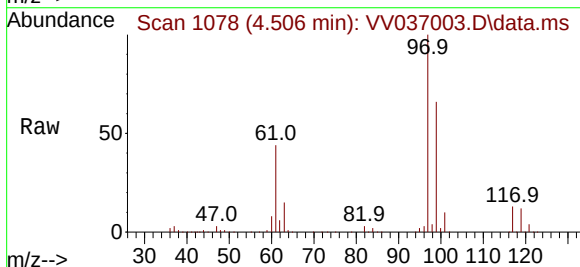
Tgt Ion: 97 Resp: 419492

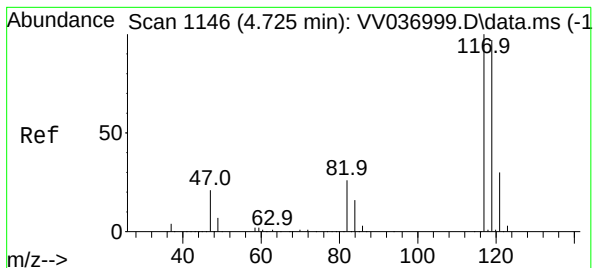
Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.4

61 44.3 35.0 52.6





#31

Carbon tetrachloride

Concen: 26.496 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. 0.003 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

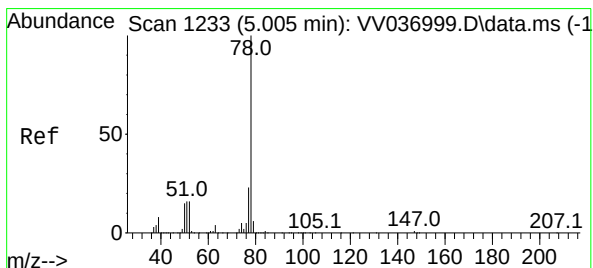
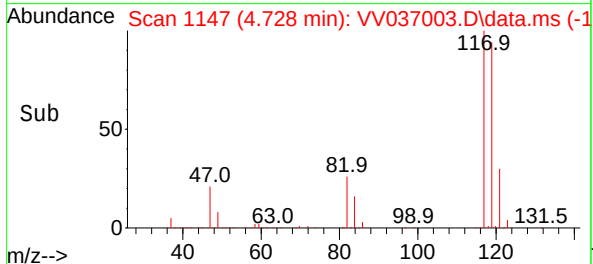
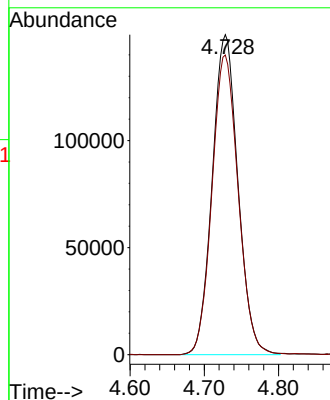
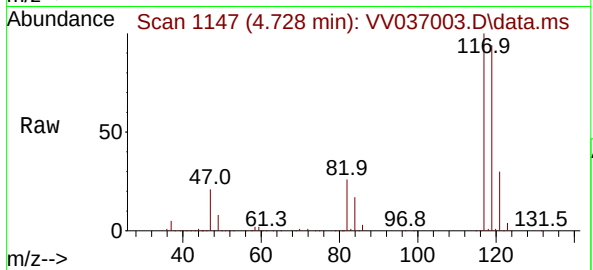
ClientSampleId :

Tgt Ion:117 Resp: 359891

Ion Ratio Lower Upper

117 100

119 95.4 76.6 115.0



#33

Benzene

Concen: 25.916 ug/L

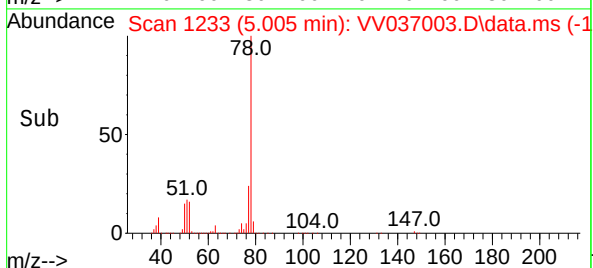
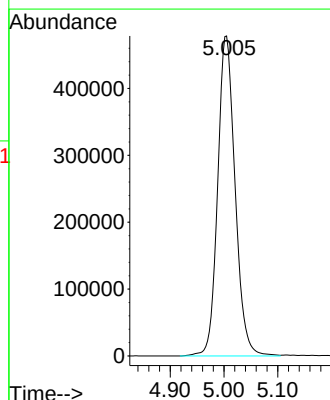
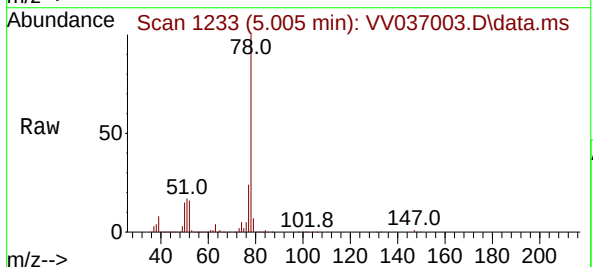
RT: 5.005 min Scan# 1233

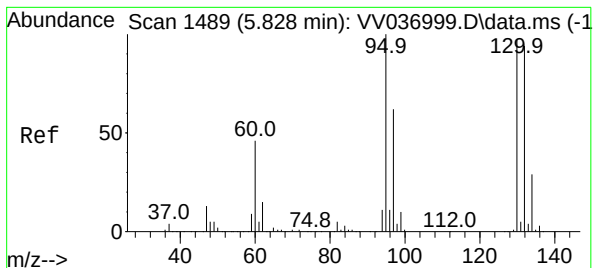
Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Tgt Ion: 78 Resp: 1078272





#34

Trichloroethene

Concen: 25.697 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 301819

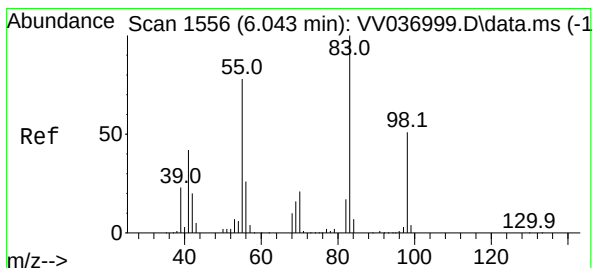
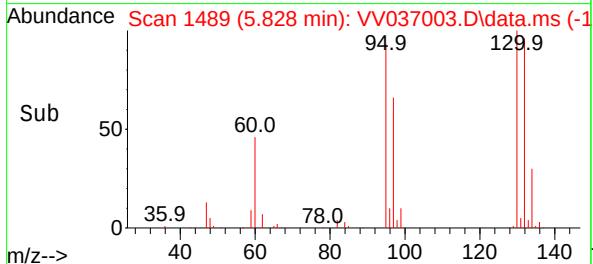
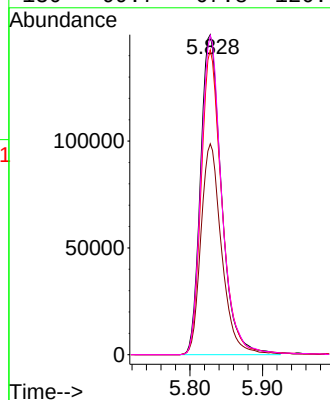
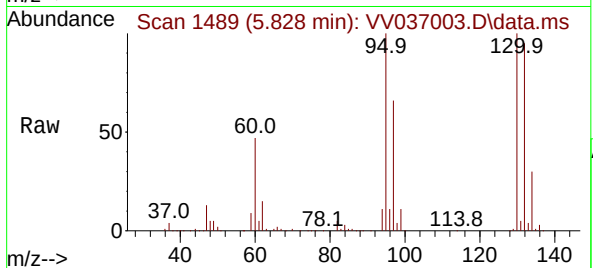
Ion Ratio Lower Upper

95 100

97 65.9 43.5 80.9

132 95.3 66.1 122.7

130 99.7 67.8 126.0



#35

Methylcyclohexane

Concen: 26.151 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

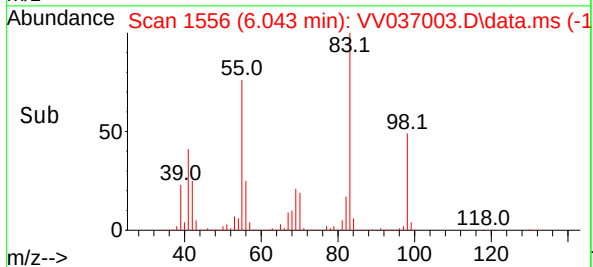
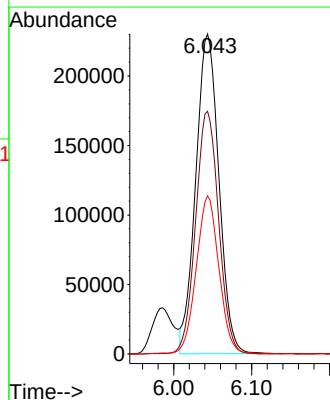
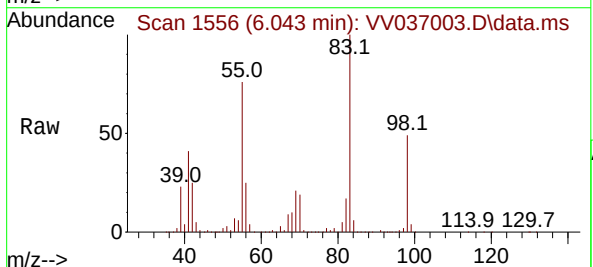
Tgt Ion: 83 Resp: 474922

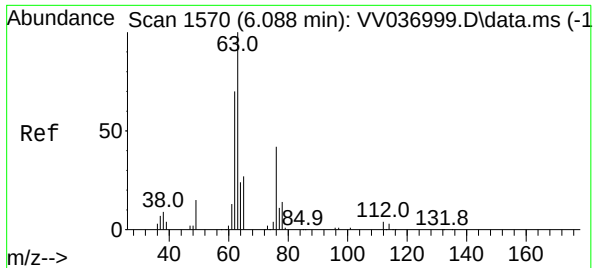
Ion Ratio Lower Upper

83 100

55 75.6 60.9 91.3

98 48.4 39.0 58.6





#37

1,2-Dichloropropane

Concen: 25.949 ug/L

RT: 6.088 min Scan# 1570

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

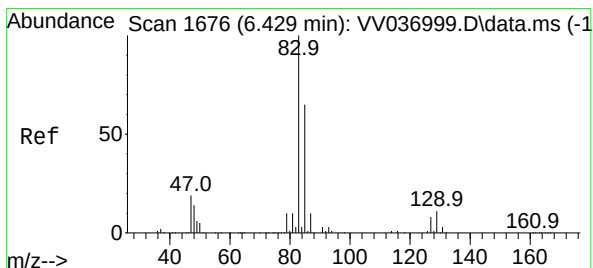
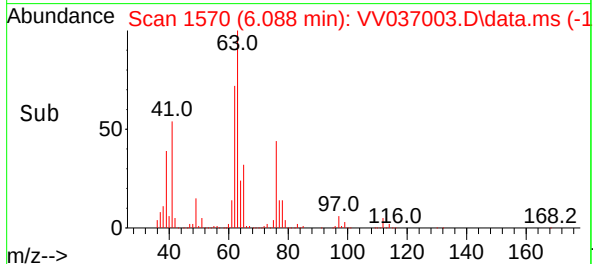
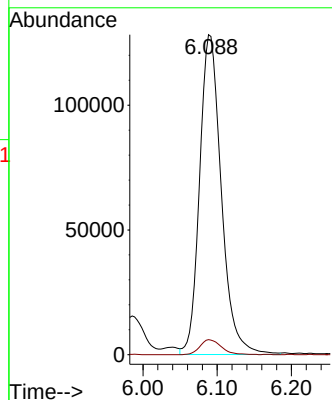
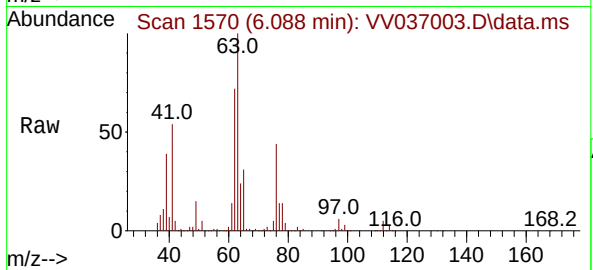
ClientSampleId :

Tgt Ion: 63 Resp: 260814

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 25.473 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

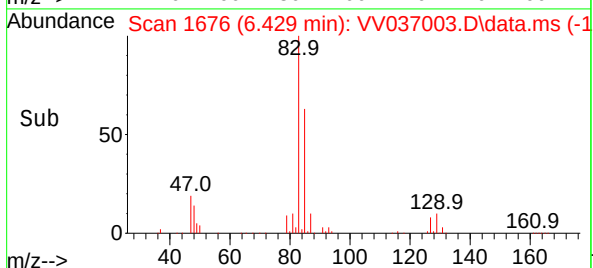
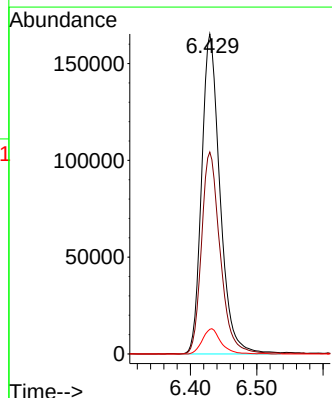
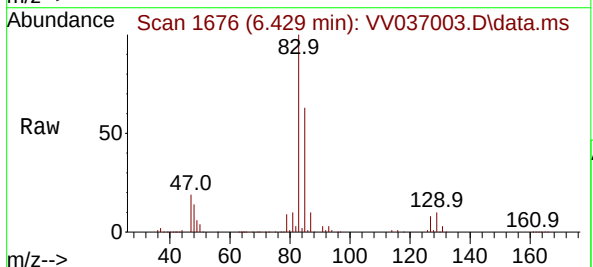
Tgt Ion: 83 Resp: 318020

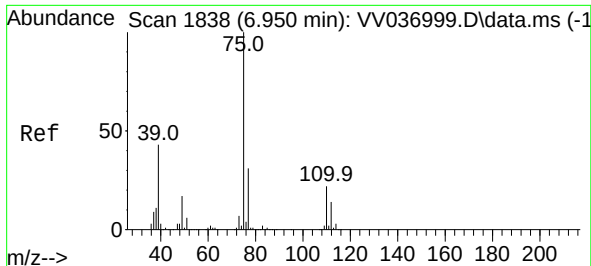
Ion Ratio Lower Upper

83 100

85 63.1 45.6 84.6

127 7.7 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 25.118 ug/L

RT: 6.950 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

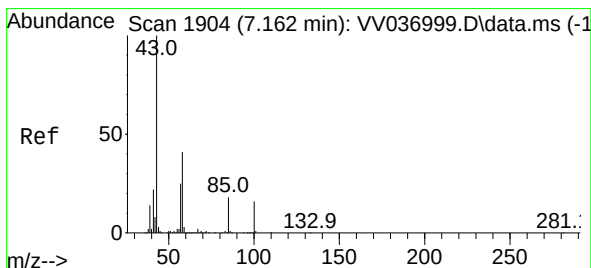
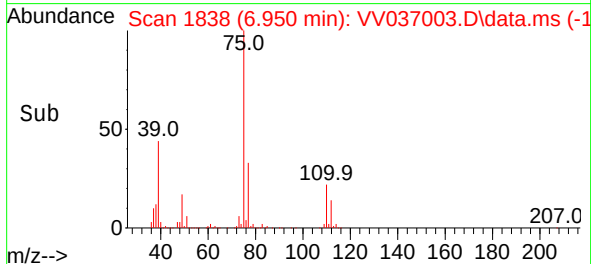
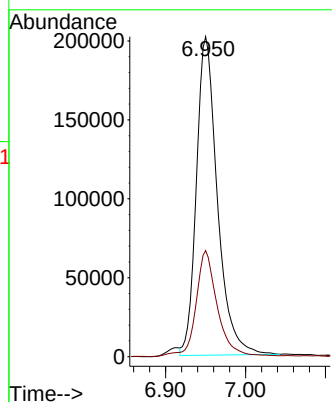
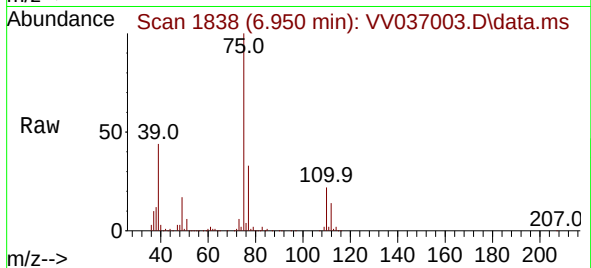
ClientSampleId :

Tgt Ion: 75 Resp: 368637

Ion Ratio Lower Upper

75 100

77 33.2 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 47.302 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

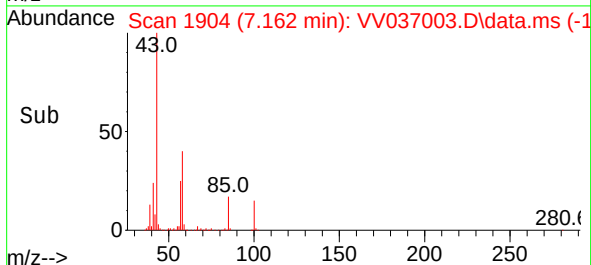
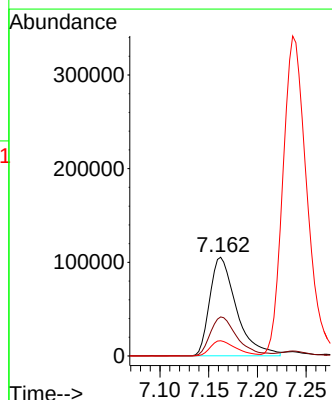
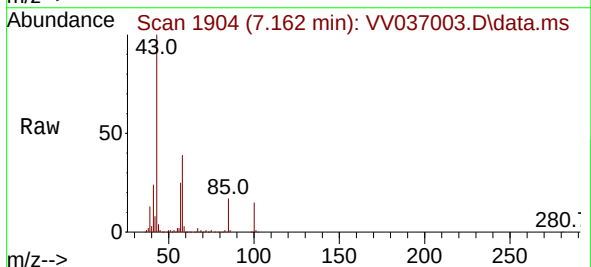
Tgt Ion: 43 Resp: 200712

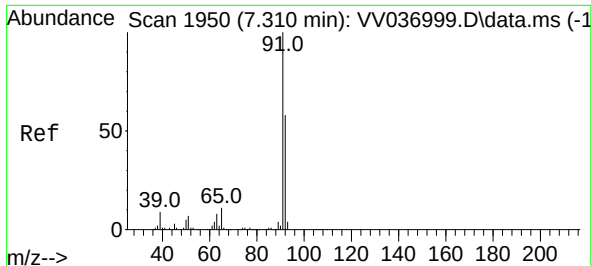
Ion Ratio Lower Upper

43 100

58 39.9 31.1 46.7

100 14.8 12.1 18.1





#42

Toluene

Concen: 25.960 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

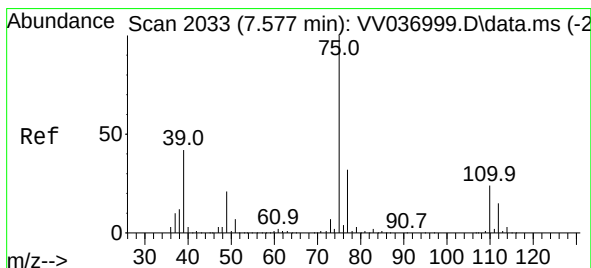
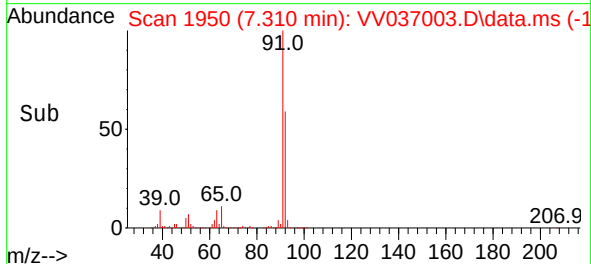
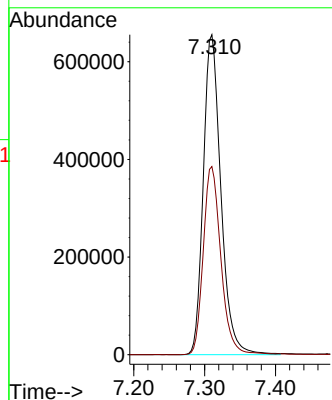
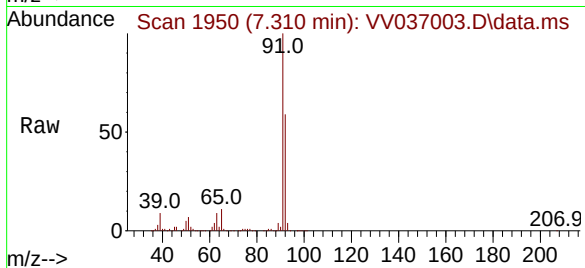
ClientSampleId :

Tgt Ion: 91 Resp: 1131594

Ion Ratio Lower Upper

91 100

92 58.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 25.445 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV037003.D

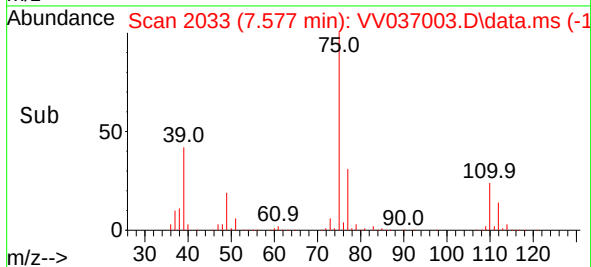
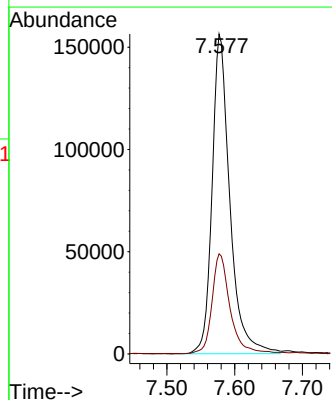
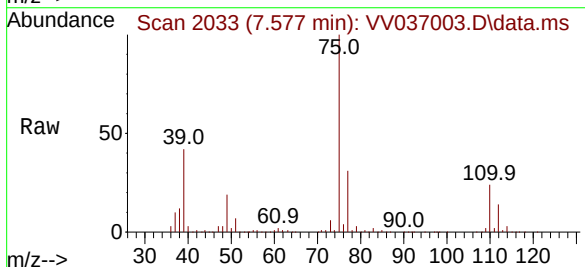
Acq: 22 Aug 2024 11:38

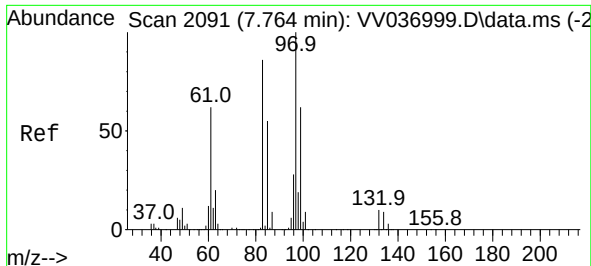
Tgt Ion: 75 Resp: 284154

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 24.173 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 159450

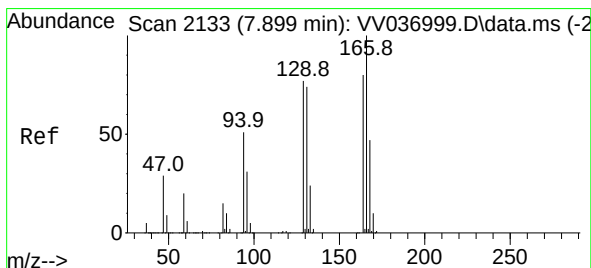
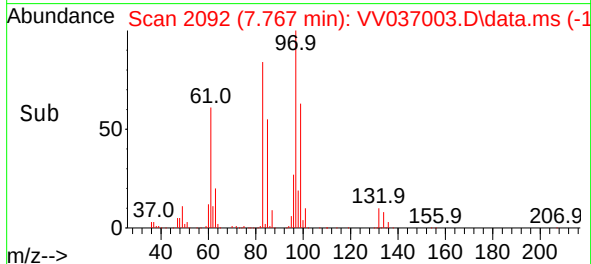
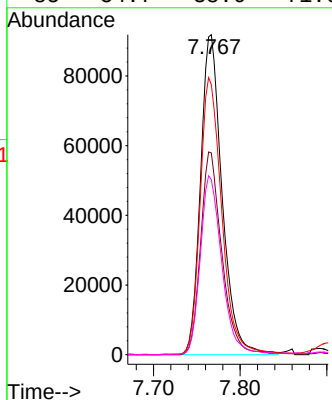
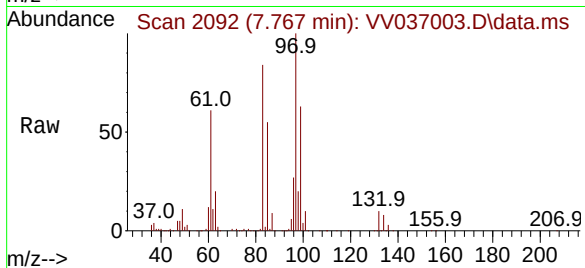
Ion Ratio Lower Upper

97 100

99 63.0 43.5 80.9

83 84.4 60.3 111.9

85 54.7 38.6 71.6



#46

Tetrachloroethene

Concen: 25.691 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Tgt Ion:164 Resp: 213351

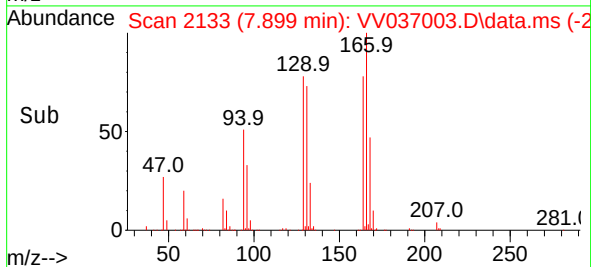
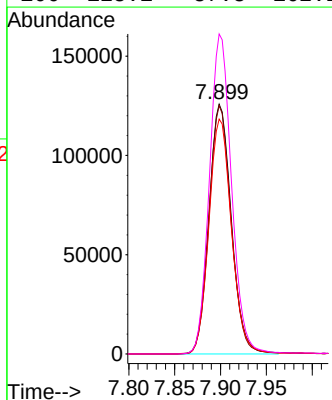
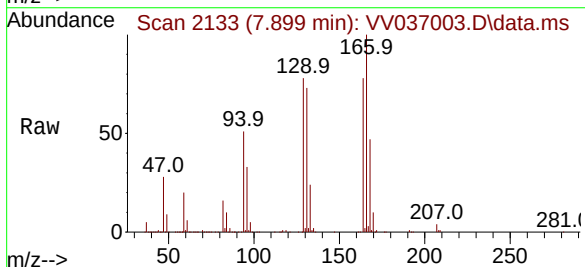
Ion Ratio Lower Upper

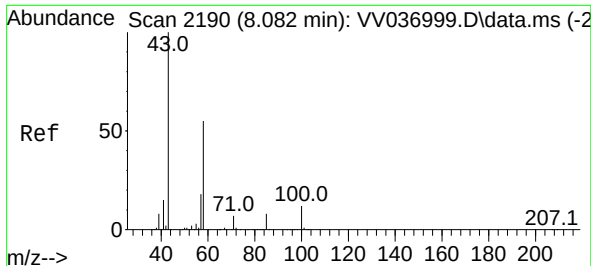
164 100

129 99.5 67.3 124.9

131 94.0 64.8 120.3

166 128.1 87.3 162.1

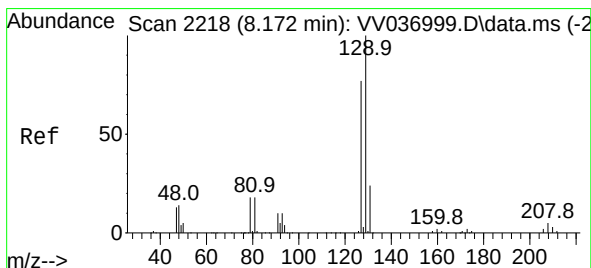
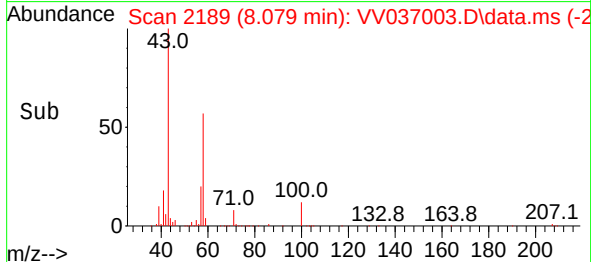
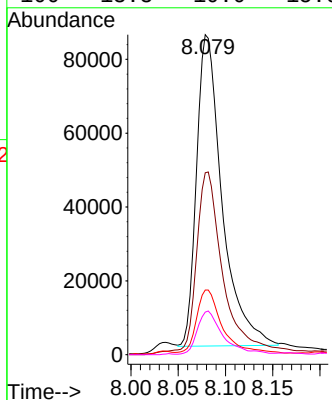
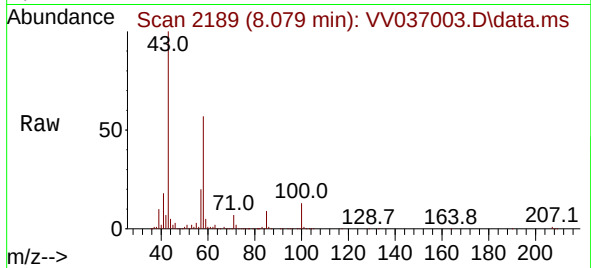




#48
2-Hexanone
Concen: 49.920 ug/L
RT: 8.079 min Scan# 2190
Delta R.T. -0.003 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

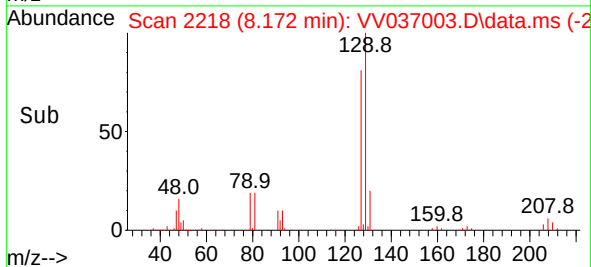
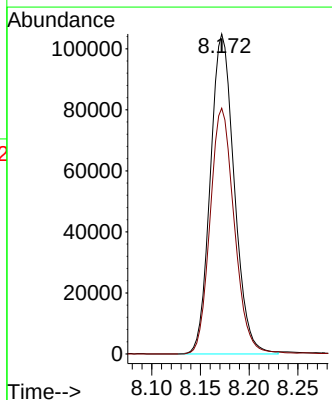
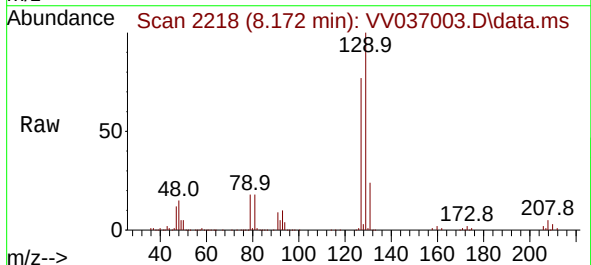
Instrument :
MSVOA_V
ClientSampleId :

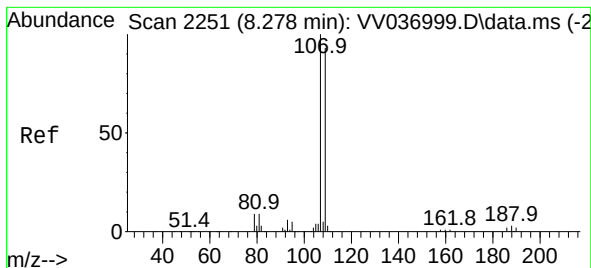
Tgt Ion: 43 Resp: 158698
Ion Ratio Lower Upper
43 100
58 62.8 47.9 71.9
57 20.8 15.1 22.7
100 13.3 10.0 15.0



#49
Dibromochloromethane
Concen: 24.693 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.000 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

Tgt Ion: 129 Resp: 179191
Ion Ratio Lower Upper
129 100
127 76.8 53.5 99.5





#50

1,2-Dibromoethane

Concen: 24.558 ug/L

RT: 8.278 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :

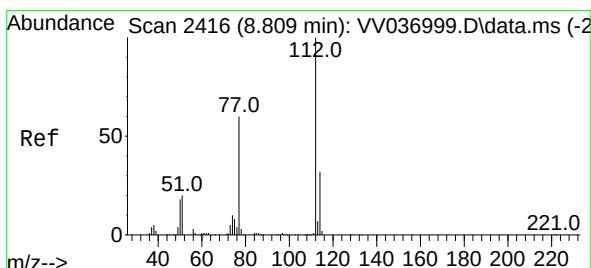
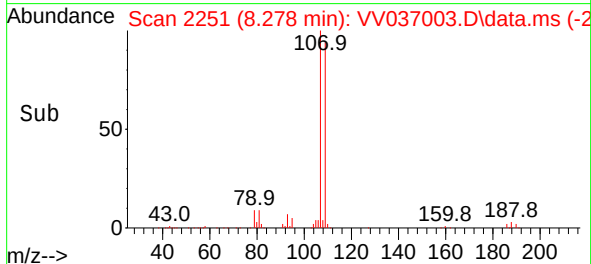
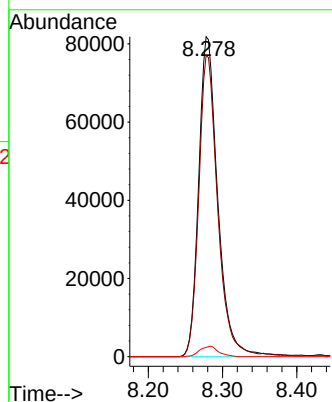
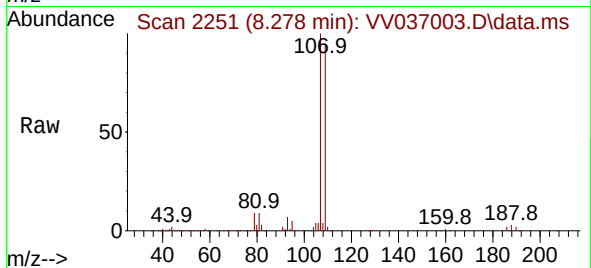
Tgt Ion:107 Resp: 146186

Ion Ratio Lower Upper

107 100

109 94.2 64.9 120.5

188 2.9 2.4 3.6



#51

Chlorobenzene

Concen: 25.536 ug/L

RT: 8.808 min Scan# 2416

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

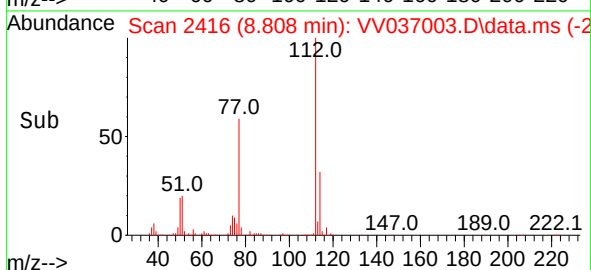
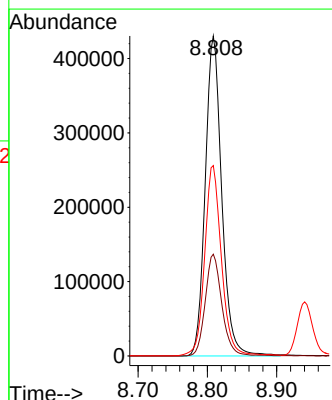
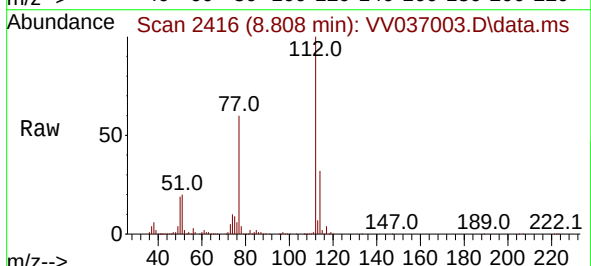
Tgt Ion:112 Resp: 710831

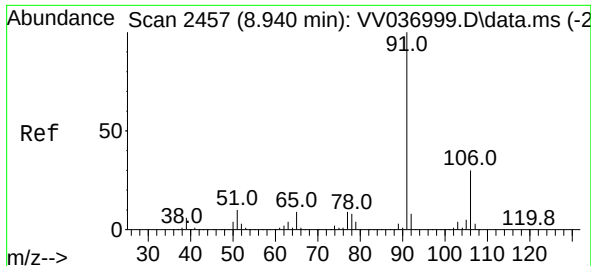
Ion Ratio Lower Upper

112 100

114 31.8 22.7 42.3

77 59.5 48.2 72.2

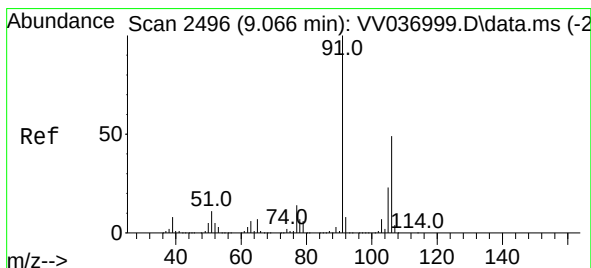
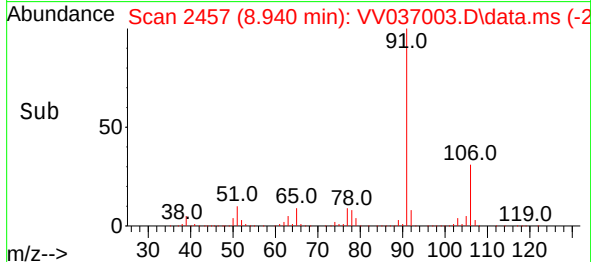
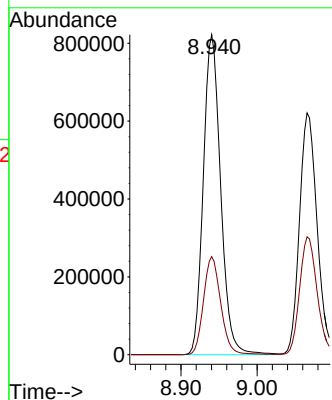
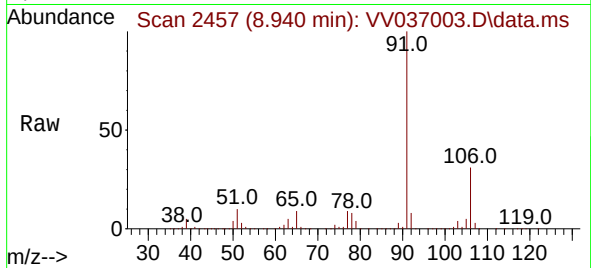




#52
Ethylbenzene
Concen: 26.470 ug/L
RT: 8.940 min Scan# 2457
Delta R.T. -0.000 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

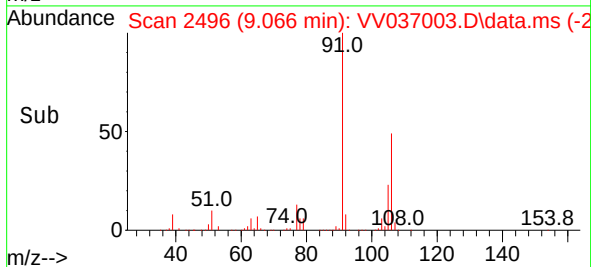
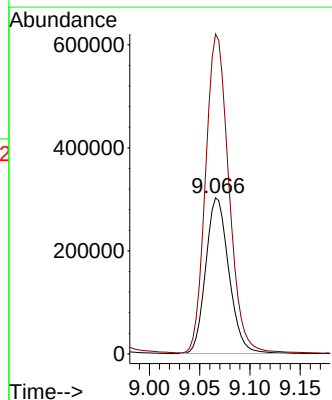
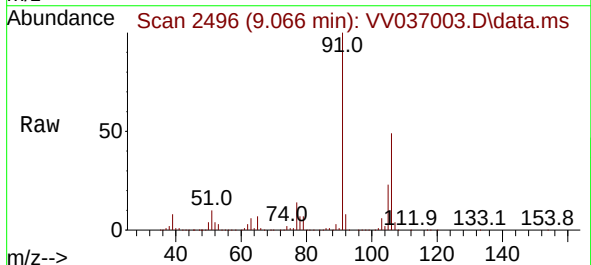
Instrument :
MSVOA_V
ClientSampleId :

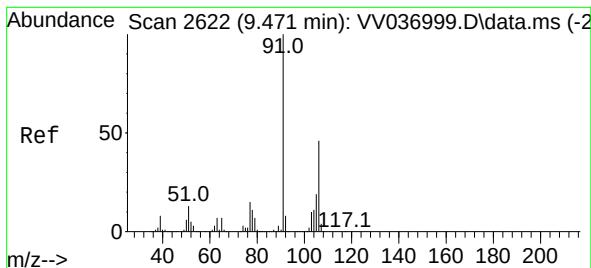
Tgt Ion: 91 Resp: 1301015
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.5



#53
m,p-Xylene
Concen: 26.471 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. -0.000 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

Tgt Ion:106 Resp: 483392
Ion Ratio Lower Upper
106 100
91 205.0 142.4 264.4





#54

o-Xylene

Concen: 25.996 ug/L

RT: 9.471 min Scan# 2622

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

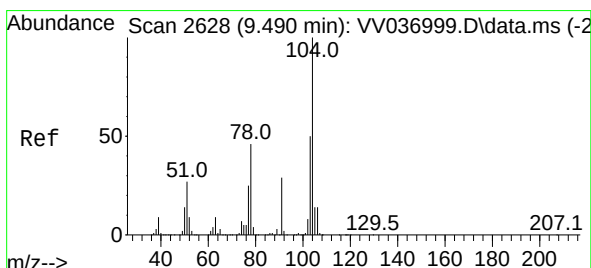
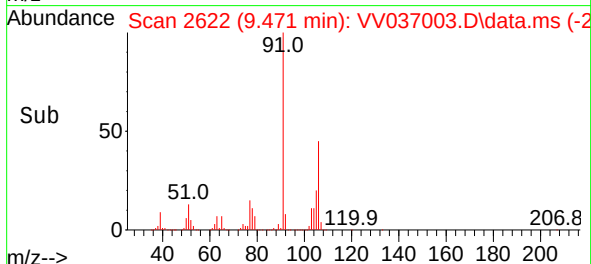
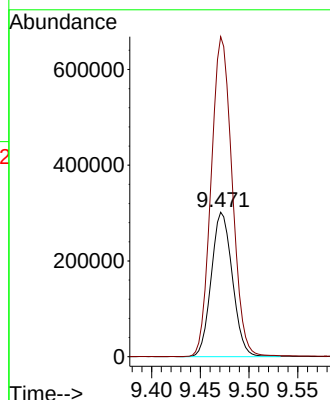
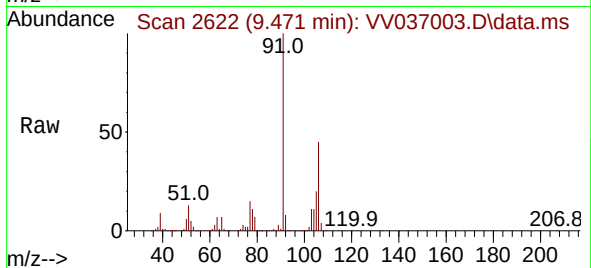
ClientSampleId :

Tgt Ion:106 Resp: 453470

Ion Ratio Lower Upper

106 100

91 221.4 152.8 283.8



#55

Styrene

Concen: 26.447 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. -0.000 min

Lab File: VV037003.D

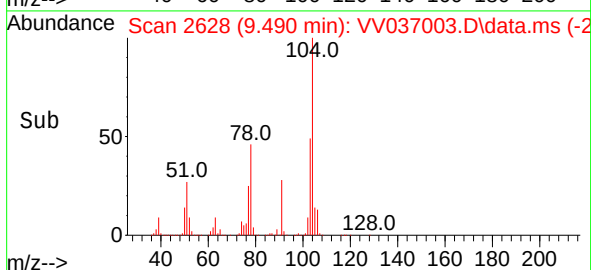
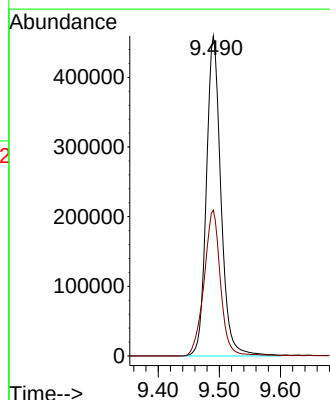
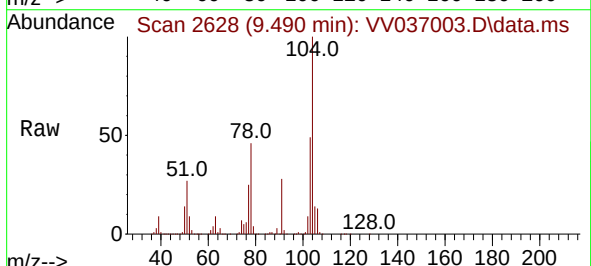
Acq: 22 Aug 2024 11:38

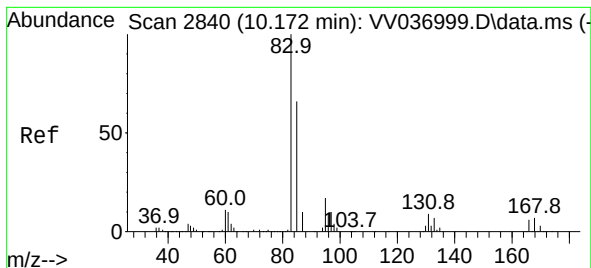
Tgt Ion:104 Resp: 761421

Ion Ratio Lower Upper

104 100

78 45.6 31.9 59.2

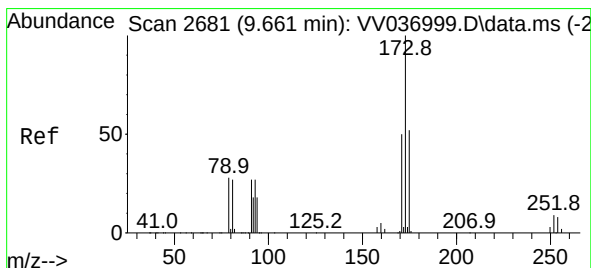
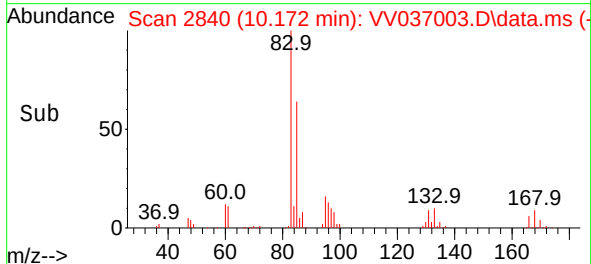
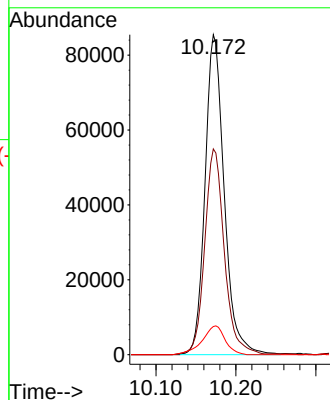
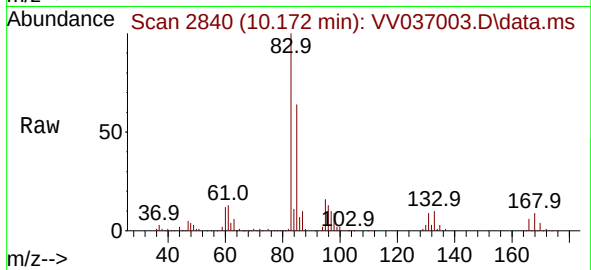




#57
1,1,2,2-Tetrachloroethane
Concen: 23.389 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. -0.000 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

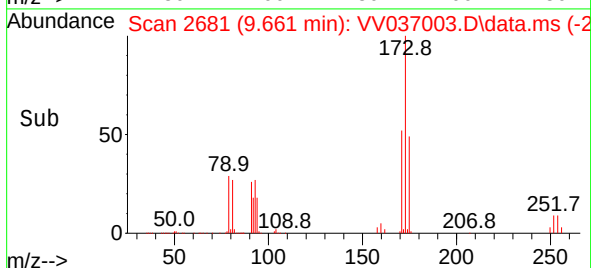
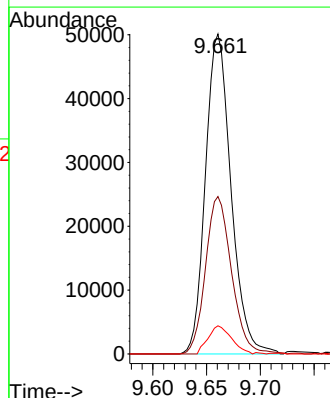
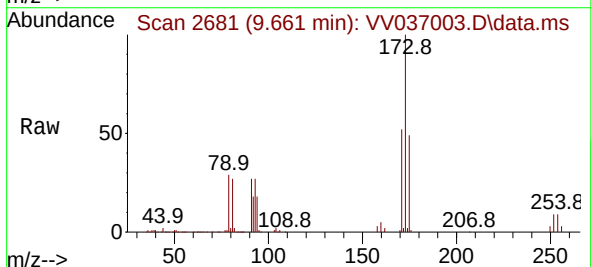
Instrument :
MSVOA_V
ClientSampleId :

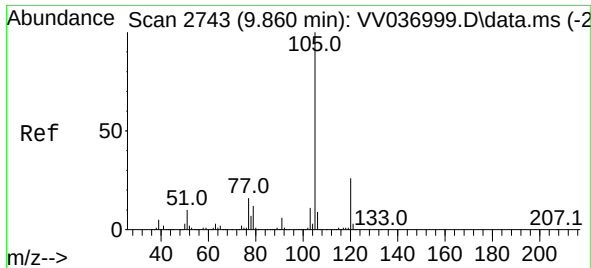
Tgt Ion: 83 Resp: 142824
Ion Ratio Lower Upper
83 100
85 64.3 46.4 86.2
131 8.8 7.6 11.4



#59
Bromoform
Concen: 24.217 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. -0.000 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

Tgt Ion: 173 Resp: 82870
Ion Ratio Lower Upper
173 100
175 50.0 40.1 60.1
254 8.0 6.2 9.4

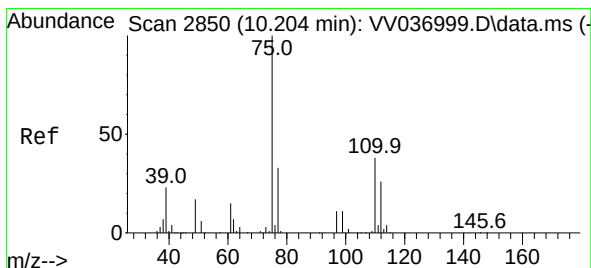
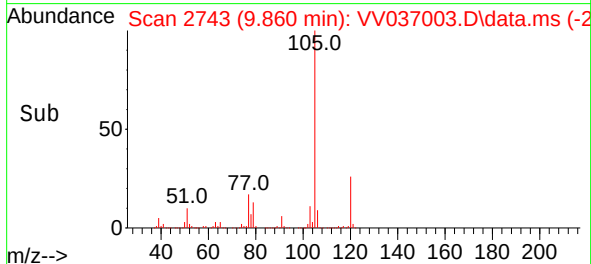
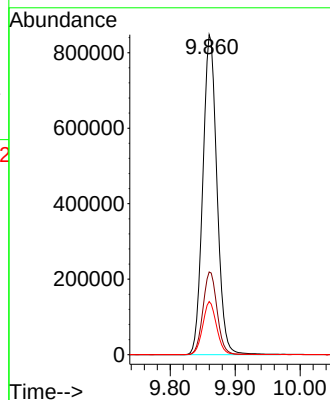
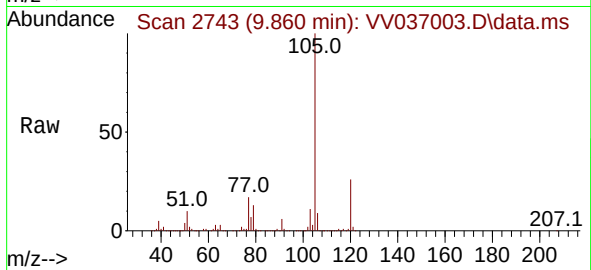




#60
Isopropylbenzene
Concen: 27.014 ug/L
RT: 9.860 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

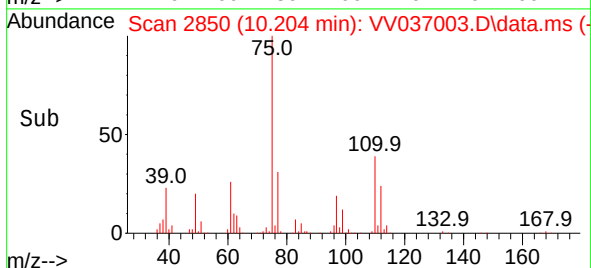
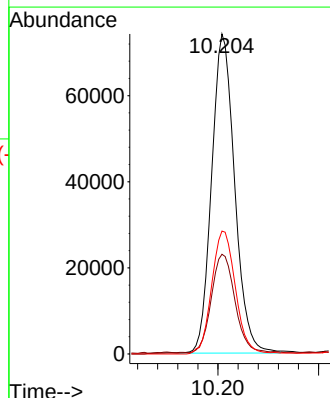
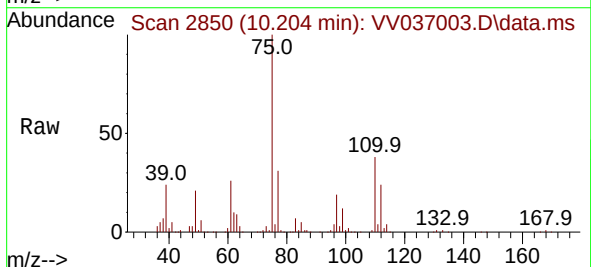
Instrument :
MSVOA_V
ClientSampleId :

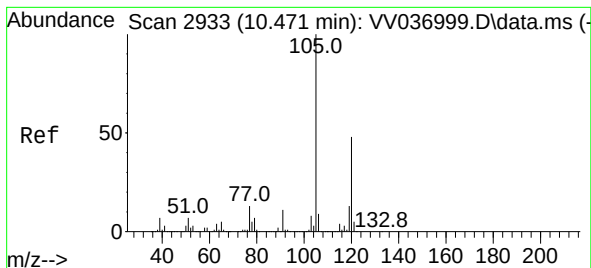
Tgt Ion:105 Resp: 1286970
Ion Ratio Lower Upper
105 100
120 25.9 20.8 31.2
77 16.2 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 24.234 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. -0.000 min
Lab File: VV037003.D
Acq: 22 Aug 2024 11:38

Tgt Ion: 75 Resp: 118080
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3
110 39.5 31.0 46.4





#62

1,3,5-Trimethylbenzene

Concen: 26.898 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

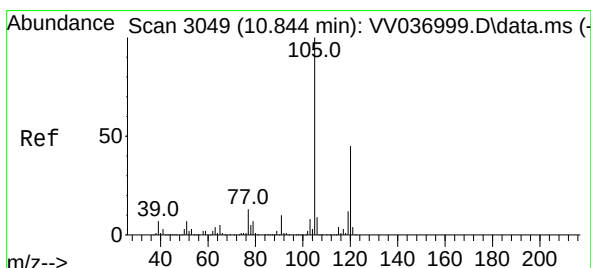
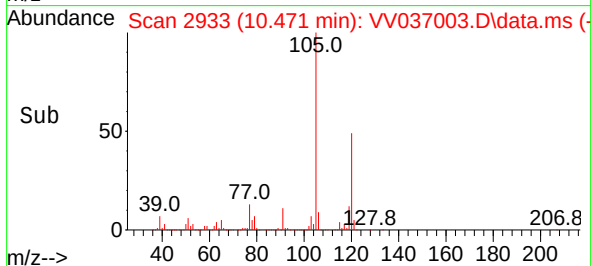
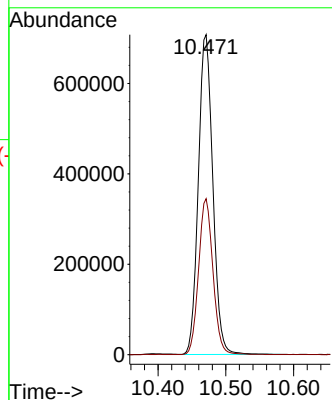
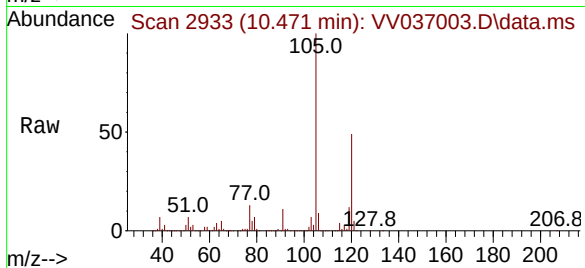
ClientSampleId :

Tgt Ion:105 Resp: 1049153

Ion Ratio Lower Upper

105 100

120 48.3 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 27.305 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VV037003.D

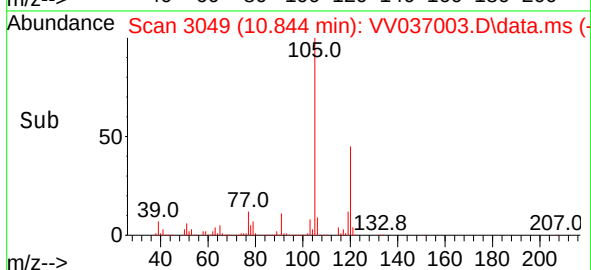
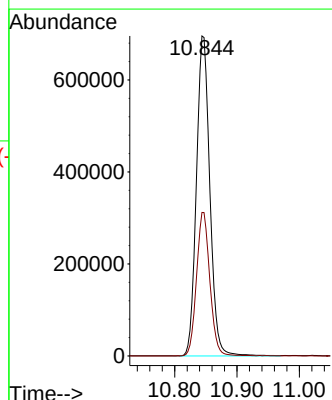
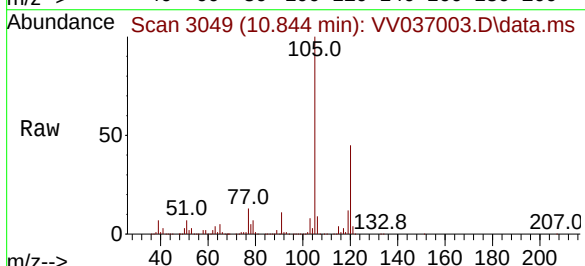
Acq: 22 Aug 2024 11:38

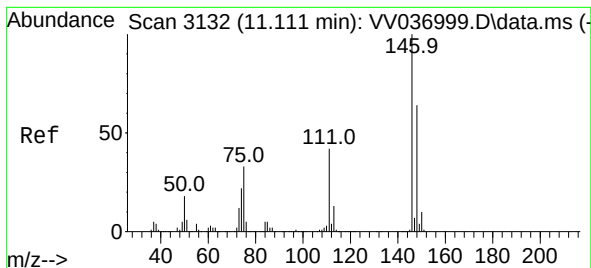
Tgt Ion:105 Resp: 1038052

Ion Ratio Lower Upper

105 100

120 44.4 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 26.010 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :

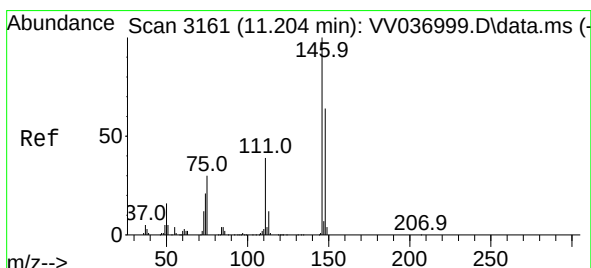
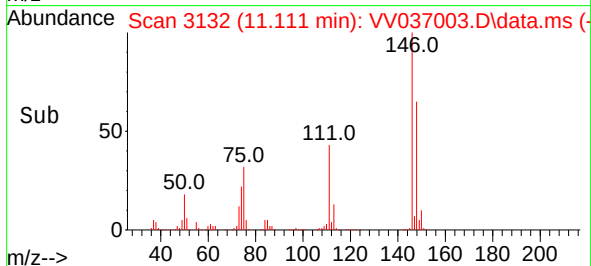
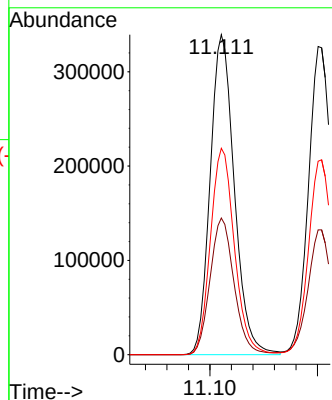
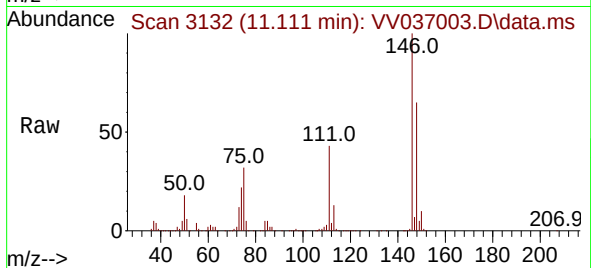
Tgt Ion:146 Resp: 529579

Ion Ratio Lower Upper

146 100

111 42.7 29.5 54.9

148 64.5 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 25.864 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. -0.003 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

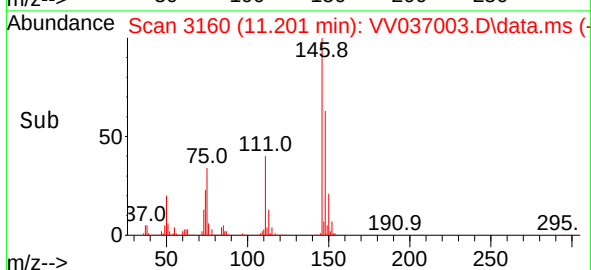
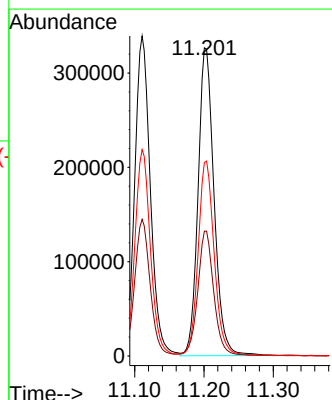
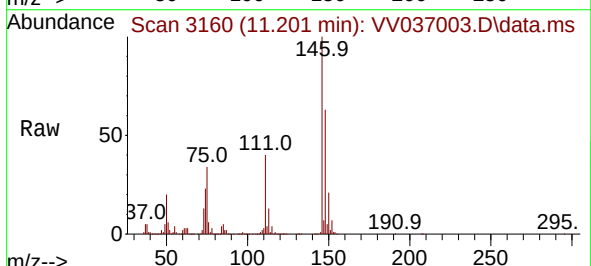
Tgt Ion:146 Resp: 525980

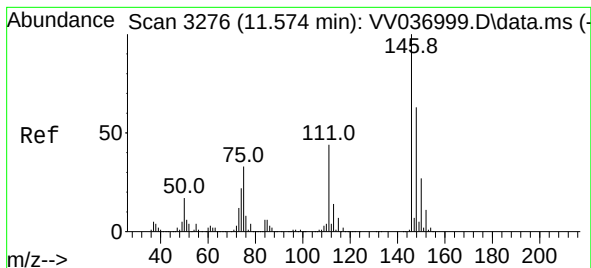
Ion Ratio Lower Upper

146 100

111 40.5 27.6 51.4

148 62.8 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 25.764 ug/L

RT: 11.574 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :

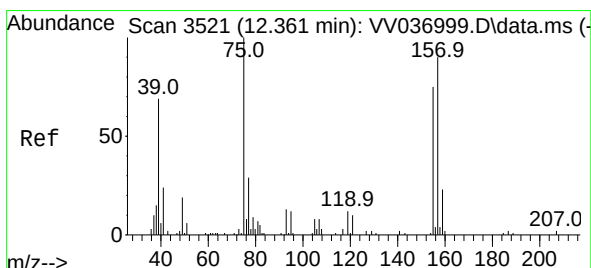
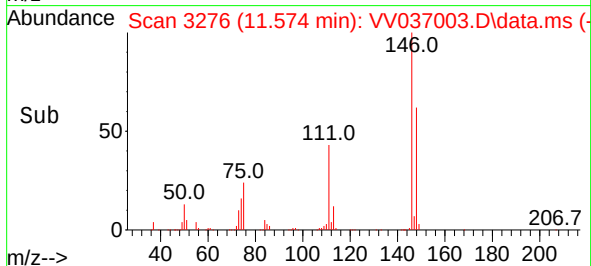
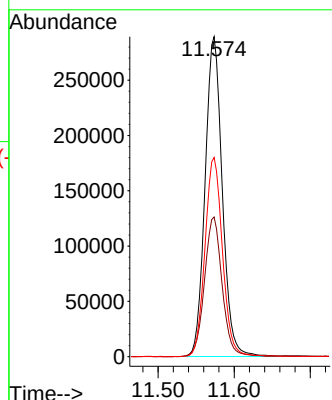
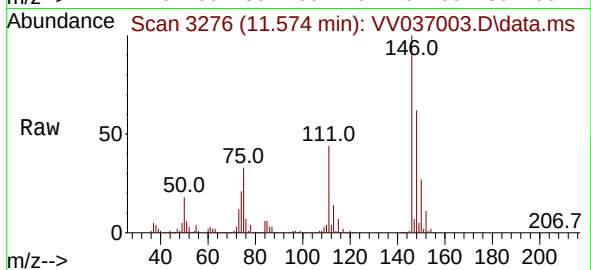
Tgt Ion:146 Resp: 454481

Ion Ratio Lower Upper

146 100

111 43.7 35.4 53.0

148 62.3 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 23.921 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

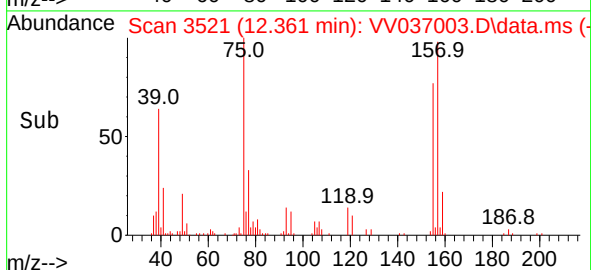
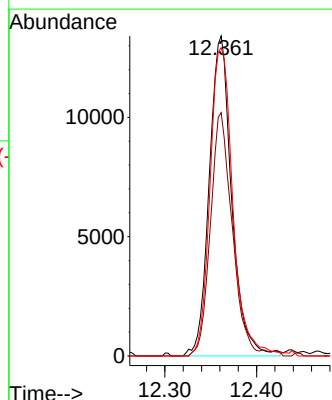
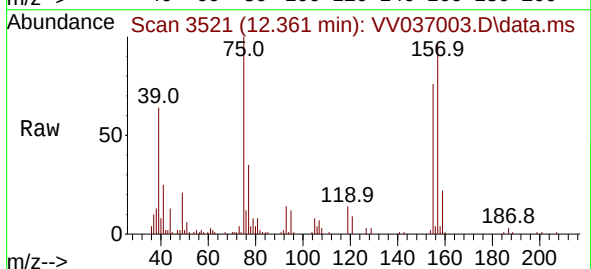
Tgt Ion: 75 Resp: 22777

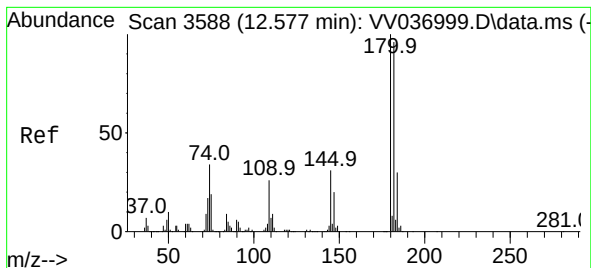
Ion Ratio Lower Upper

75 100

155 76.0 59.9 89.9

157 96.4 72.2 108.2





#69

1,3,5-Trichlorobenzene

Concen: 26.748 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.000 min

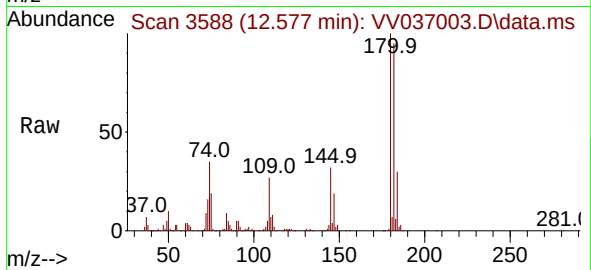
Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 379523

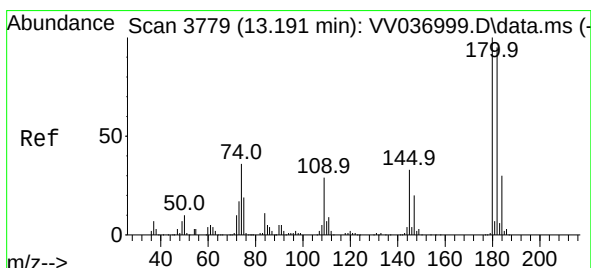
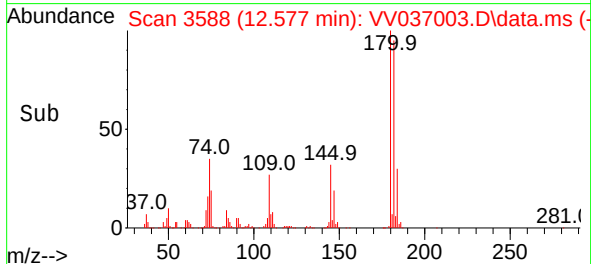
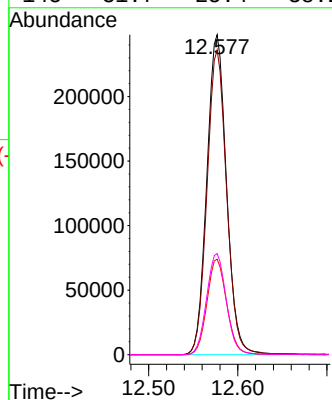
Ion Ratio Lower Upper

180 100

182 94.8 76.4 114.6

184 29.8 24.2 36.4

145 31.7 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 26.210 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

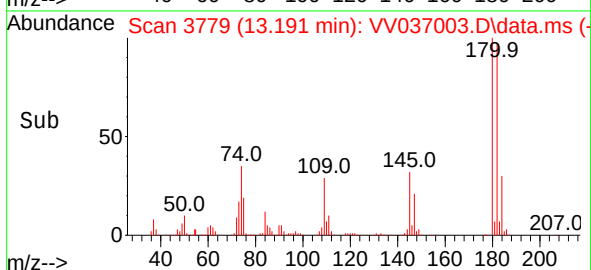
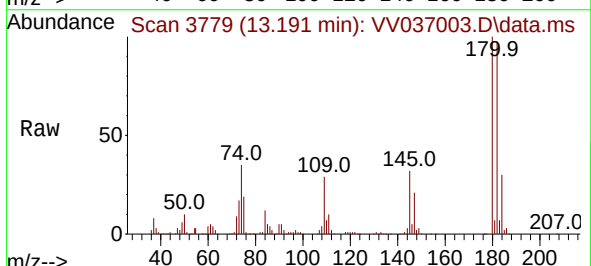
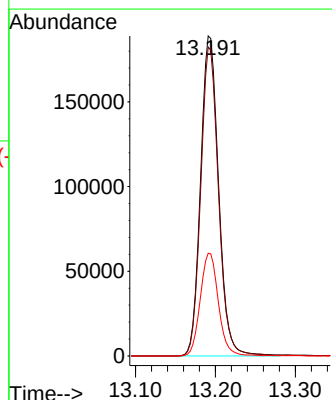
Tgt Ion:180 Resp: 297610

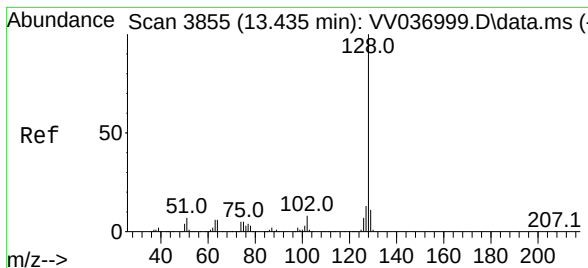
Ion Ratio Lower Upper

180 100

182 94.6 76.0 114.0

145 32.2 25.8 38.6





#71

Naphthalene

Concen: 25.586 ug/L

RT: 13.432 min Scan# 3855

Delta R.T. -0.003 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Instrument :

MSVOA_V

ClientSampleId :

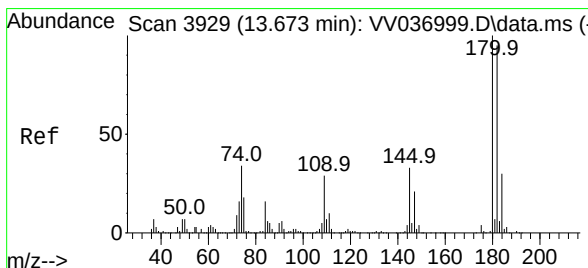
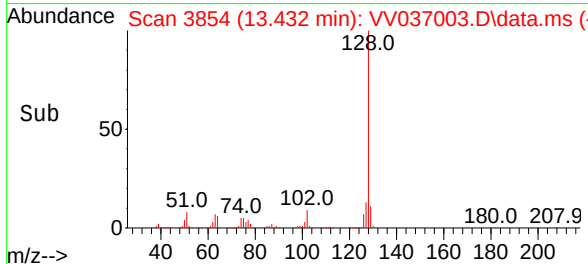
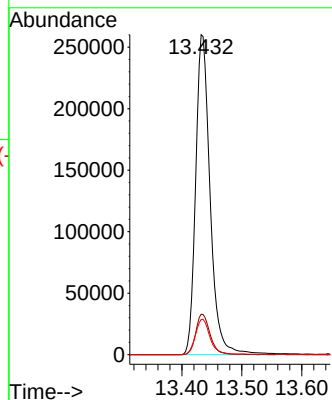
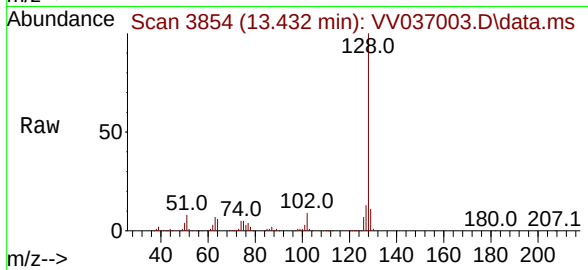
Tgt Ion:128 Resp: 437642

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 25.944 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV037003.D

Acq: 22 Aug 2024 11:38

Tgt Ion:180 Resp: 243907

Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.4

145 33.4 26.6 40.0

