

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090924\
 Data File : VV037237.D
 Acq On : 09 Sep 2024 15:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 09 22:04:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 09 22:02:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	608327	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	599475	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	314035	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.278	65	251859	45.260	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.520%
7) Chloroethane-d5	1.532	69	202232	47.022	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.040%
11) 1,1-Dichloroethene-d2	2.060	65	109194	46.687	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.380%
21) 2-Butanone-d5	3.995	46	310	0.144	ug/L	0.21
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.140%#
24) Chloroform-d	4.246	84	451095	51.795	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.580%
26) 1,2-Dichloroethane-d4	4.937	65	270911	49.394	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.780%
32) Benzene-d6	4.953	84	878173	48.500	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	5.986	67	277484	48.929	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.860%
41) Toluene-d8	7.236	98	796285	48.729	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.460%
43) trans-1,3-Dichloroprop...	7.548	79	127477	48.586	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.180%
47) 2-Hexanone-d5	8.024	63	143151	92.488	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.490%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	328211	47.718	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.440%
66) 1,2-Dichlorobenzene-d4	11.554	152	297508	47.302	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.108	85	267110	51.961	ug/L	99
3) Chloromethane	1.217	50	273266	47.268	ug/L	96
5) Vinyl chloride	1.285	62	287052	52.891	ug/L	100
6) Bromomethane	1.487	94	167565	55.100	ug/L	99
8) Chloroethane	1.548	64	179577	54.095	ug/L	98
9) Trichlorofluoromethane	1.716	101	386368	54.552	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	232593	55.214	ug/L	100
12) 1,1-Dichloroethene	2.069	96	213260	53.734	ug/L	96
13) Acetone	2.111	43	179890	77.836	ug/L	98
14) Carbon disulfide	2.240	76	601329	49.909	ug/L	99
15) Methyl Acetate	2.372	43	200550	51.760	ug/L	100
16) Methylene chloride	2.446	84	242675	54.195	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	221887	53.855	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	702183	54.178	ug/L	100
19) 1,1-Dichloroethane	3.108	63	458192	55.999	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	253622	55.708	ug/L	99
22) 2-Butanone	3.873	43	224860	88.368	ug/L	98
23) Bromochloromethane	4.140	128	125620	56.209	ug/L	97
25) Chloroform	4.272	83	458251	55.301	ug/L	100

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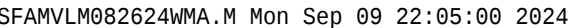
Instrument :
 MSVOA_V
 ClientSampleId :

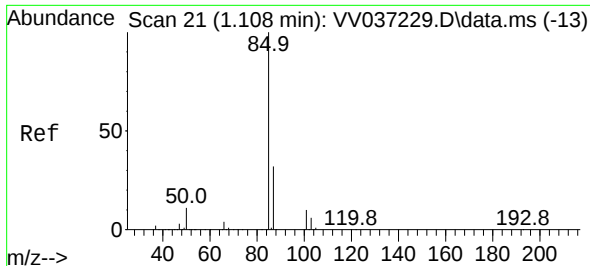
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	334211	54.983	ug/L	99
29) Cyclohexane	4.574	56	364986	51.782	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	378998	54.945	ug/L	99
31) Carbon tetrachloride	4.728	117	324898	55.821	ug/L	100
33) Benzene	5.005	78	956647	55.296	ug/L	100
34) Trichloroethene	5.828	95	244656	53.578	ug/L	99
35) Methylcyclohexane	6.043	83	391630	52.787	ug/L	98
37) 1,2-Dichloropropane	6.088	63	247729	53.412	ug/L	99
38) Bromodichloromethane	6.429	83	331949	55.841	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	399432	54.573	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	474011	100.527	ug/L	99
42) Toluene	7.310	91	1009331	56.034	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	362056	55.341	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	238864	55.324	ug/L	99
46) Tetrachloroethene	7.899	164	177155	54.071	ug/L	97
48) 2-Hexanone	8.072	43	336764	92.347	ug/L	98
49) Dibromochloromethane	8.172	129	241470	55.854	ug/L	100
50) 1,2-Dibromoethane	8.278	107	237339	54.324	ug/L	99
51) Chlorobenzene	8.809	112	653073	54.764	ug/L	99
52) Ethylbenzene	8.940	91	1126556	55.369	ug/L	100
53) m,p-Xylene	9.066	106	420128	55.731	ug/L	100
54) o-Xylene	9.471	106	408195	55.303	ug/L	98
55) Styrene	9.490	104	720130	56.228	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	334742	52.349	ug/L	99
59) Bromoform	9.657	173	155096	53.038	ug/L	100
60) Isopropylbenzene	9.860	105	1117828	54.907	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	249485	51.070	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	897850	53.904	ug/L	98
63) 1,2,4-Trimethylbenzene	10.844	105	902389	54.287	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	499467	53.130	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	518928	53.933	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	498229	53.900	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	58921	48.364	ug/L	96
69) 1,3,5-Trichlorobenzene	12.577	180	343088	52.450	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	316405	51.369	ug/L	99
71) Naphthalene	13.432	128	879449	49.446	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	312736	51.522	ug/L	98

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

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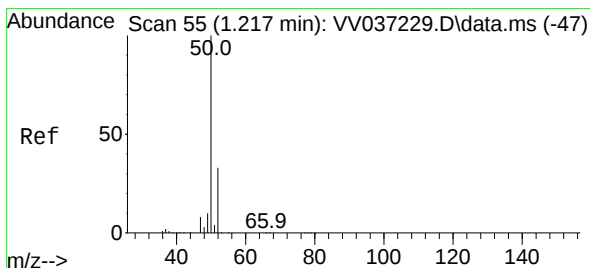
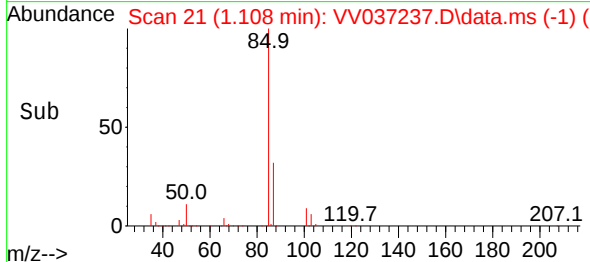
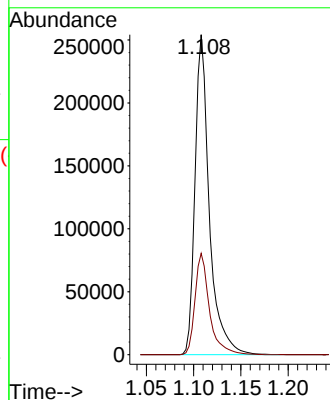
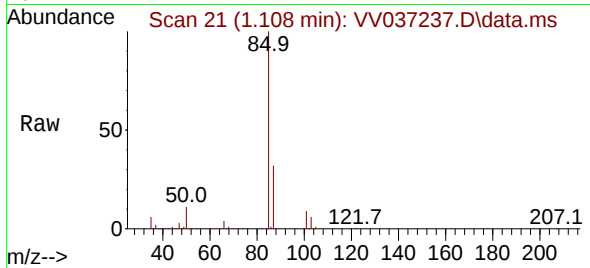




#2
 Dichlorodifluoromethane
 Concen: 51.961 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV037237.D
 Acq: 09 Sep 2024 15:33

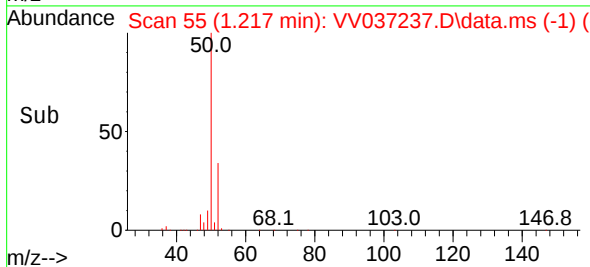
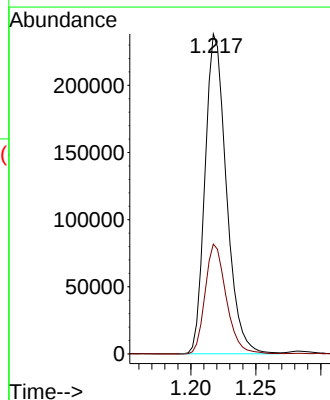
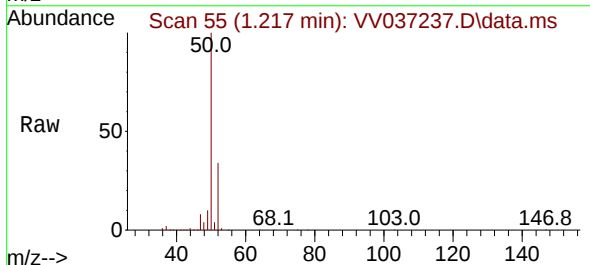
Instrument :
 MSVOA_V
 ClientSampleId :

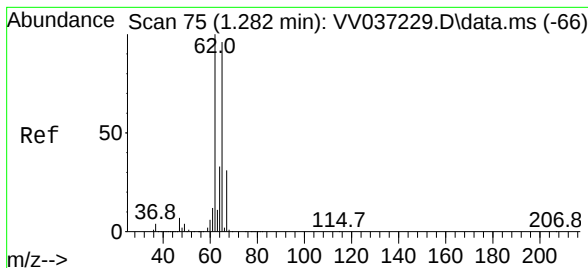
Tgt Ion: 85 Resp: 267110
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.9 38.9



#3
 Chloromethane
 Concen: 47.268 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV037237.D
 Acq: 09 Sep 2024 15:33

Tgt Ion: 50 Resp: 273266
 Ion Ratio Lower Upper
 50 100
 52 34.4 22.5 41.9





#5

Vinyl chloride

Concen: 52.891 ug/L

RT: 1.285 min Scan# 75

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

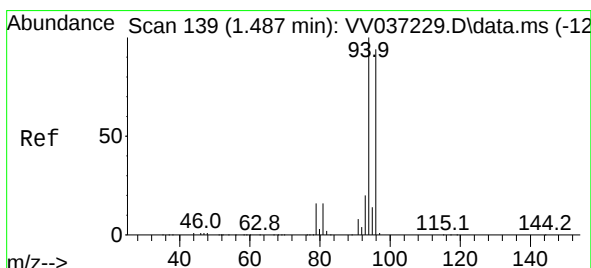
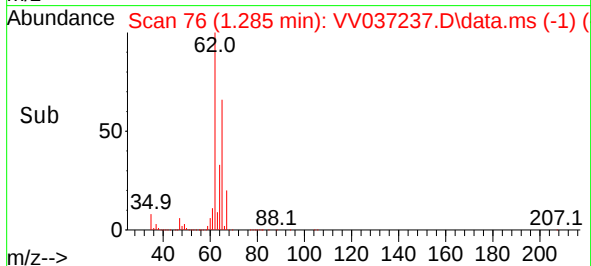
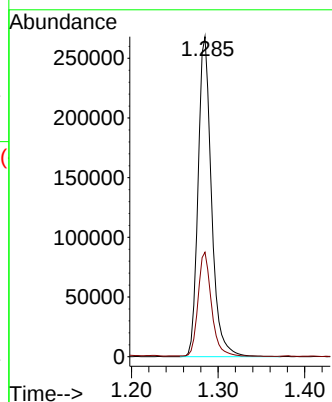
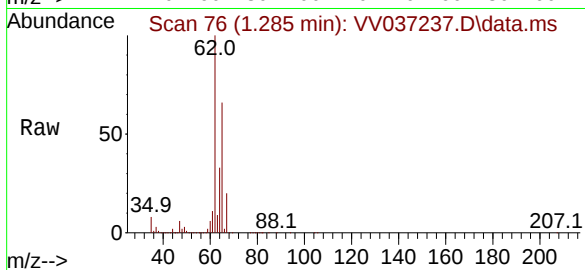
ClientSampleId :

Tgt Ion: 62 Resp: 287052

Ion Ratio Lower Upper

62 100

64 32.6 22.8 42.4



#6

Bromomethane

Concen: 55.100 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV037237.D

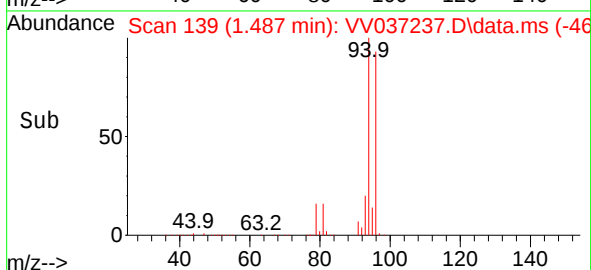
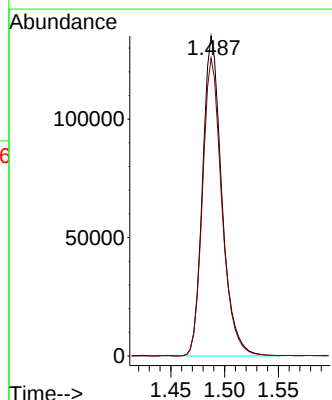
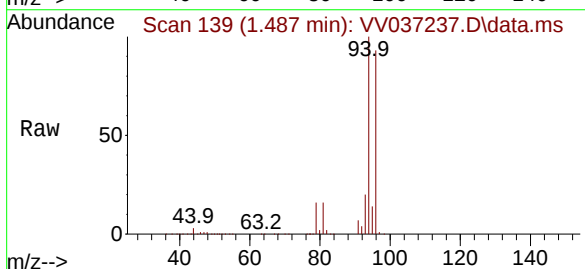
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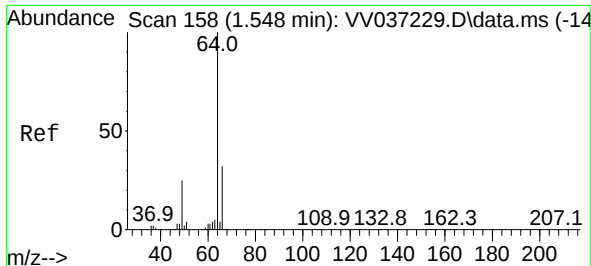
Tgt Ion: 94 Resp: 167565

Ion Ratio Lower Upper

94 100

96 93.1 65.6 121.8

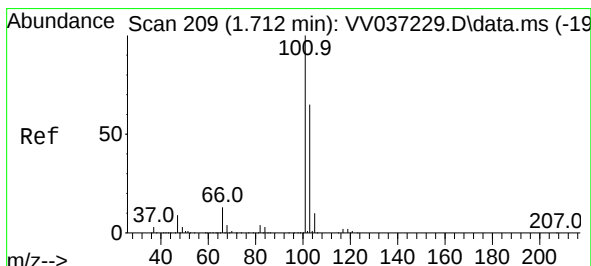
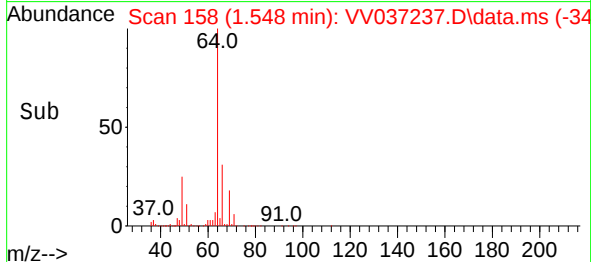
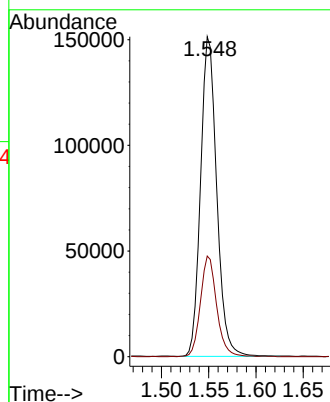
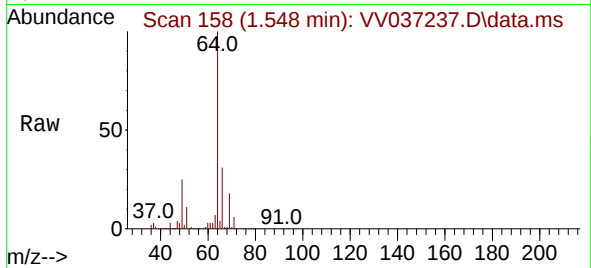




#8
Chloroethane
Concen: 54.095 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

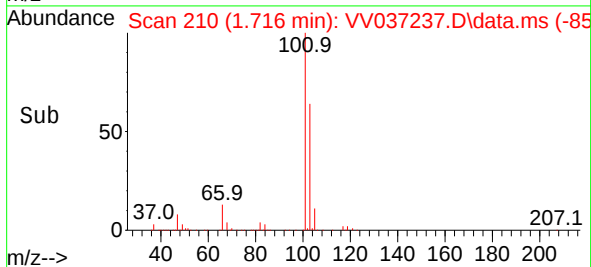
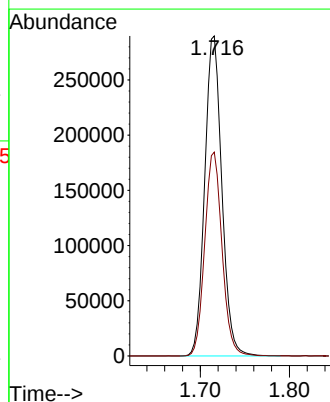
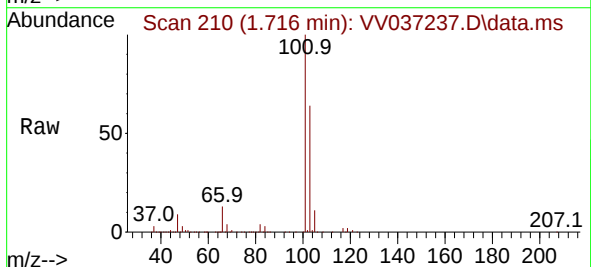
Instrument :
MSVOA_V
ClientSampleId :

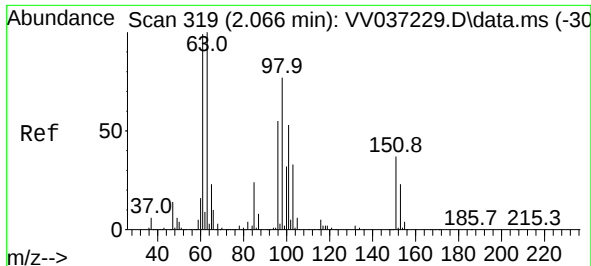
Tgt Ion: 64 Resp: 179577
Ion Ratio Lower Upper
64 100
66 31.5 22.8 42.4



#9
Trichlorofluoromethane
Concen: 54.552 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

Tgt Ion:101 Resp: 386368
Ion Ratio Lower Upper
101 100
103 64.3 51.7 77.5





#10

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

Concen: 55.214 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

ClientSampleId :

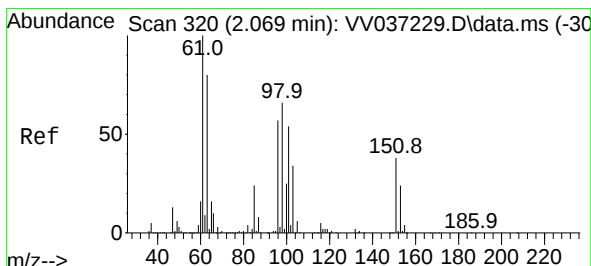
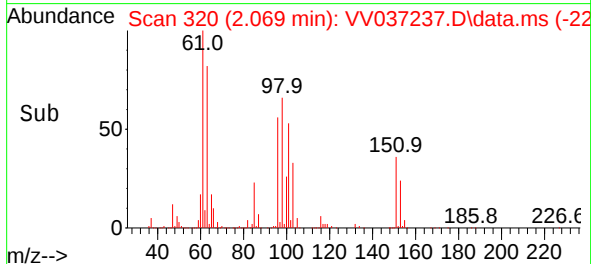
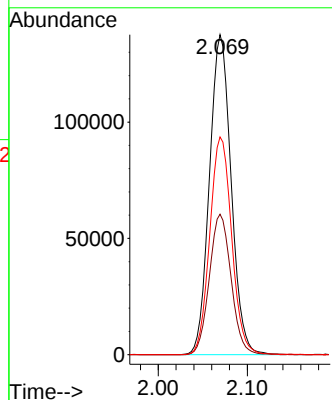
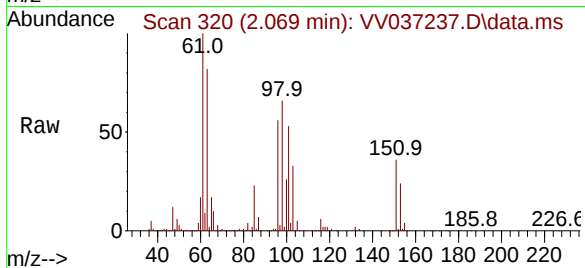
Tgt Ion:101 Resp: 232593

Ion Ratio Lower Upper

101 100

85 43.9 35.6 53.4

151 68.8 55.0 82.4



#12

1,1-Dichloroethene

Concen: 53.734 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

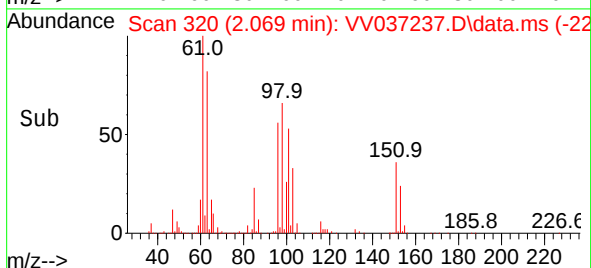
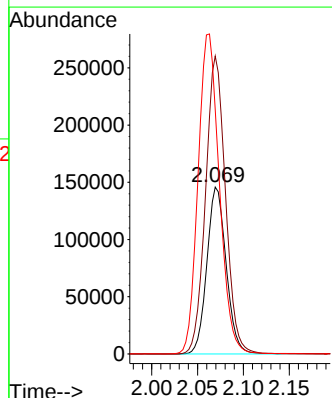
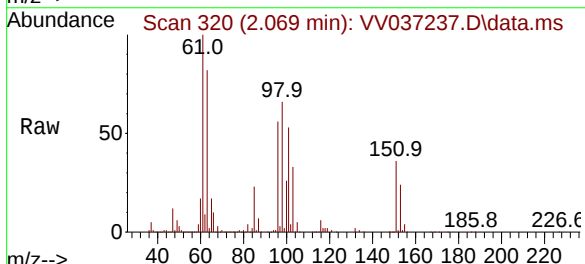
Tgt Ion: 96 Resp: 213260

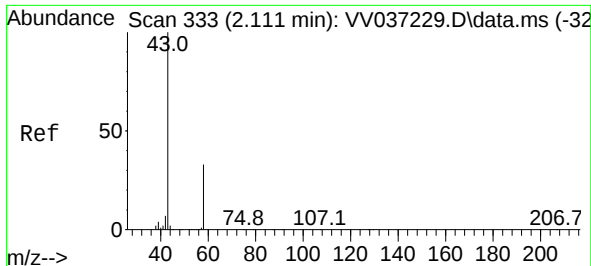
Ion Ratio Lower Upper

96 100

61 178.6 123.8 229.8

63 146.4 96.5 179.1





#13

Acetone

Concen: 77.836 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.000 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

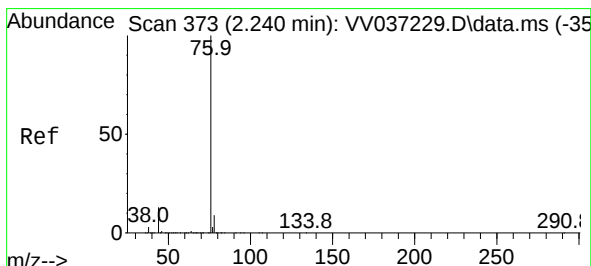
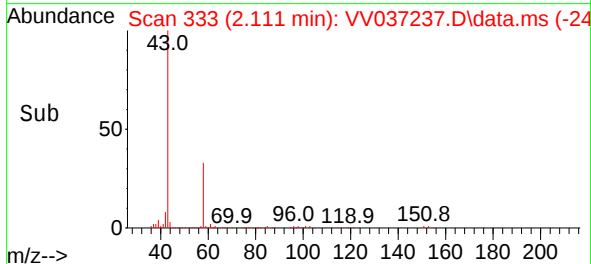
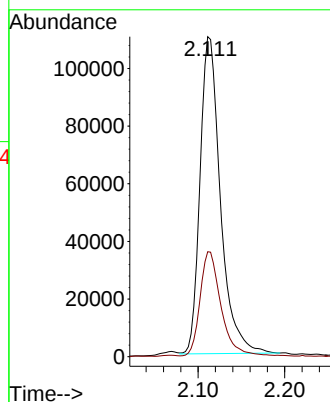
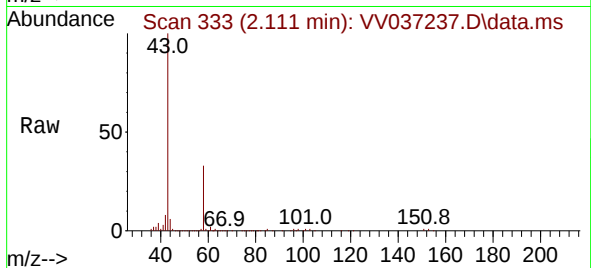
ClientSampleId :

Tgt Ion: 43 Resp: 179890

Ion Ratio Lower Upper

43 100

58 33.5 0.0 64.8



#14

Carbon disulfide

Concen: 49.909 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV037237.D

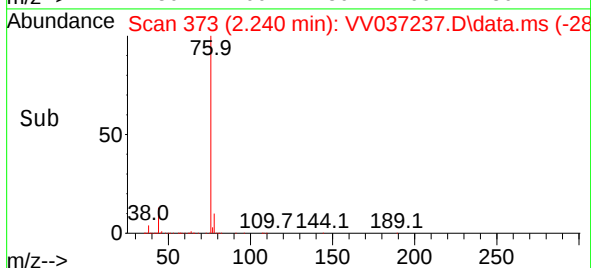
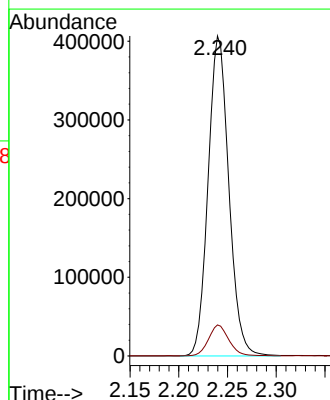
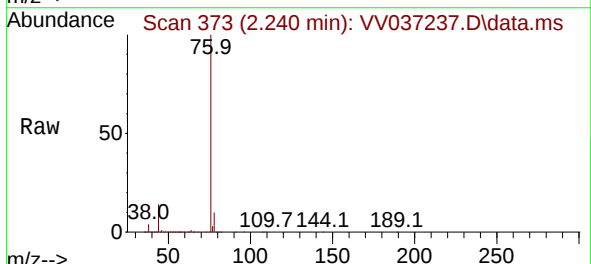
Acq: 09 Sep 2024 15:33

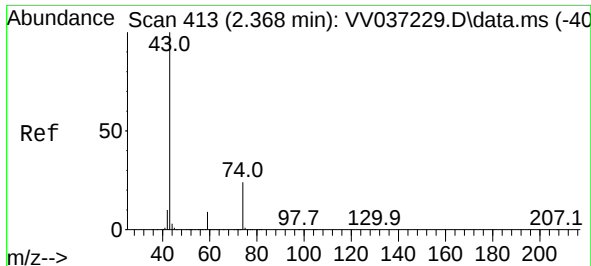
Tgt Ion: 76 Resp: 601329

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3





#15

Methyl Acetate

Concen: 51.760 ug/L

RT: 2.372 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

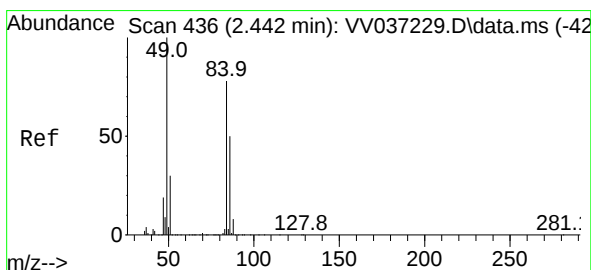
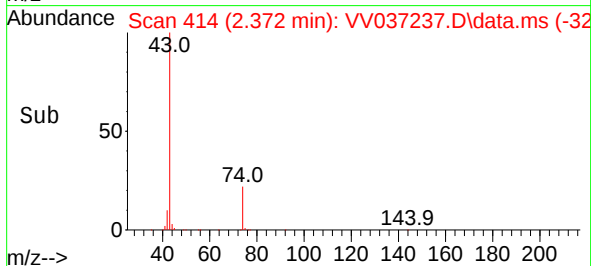
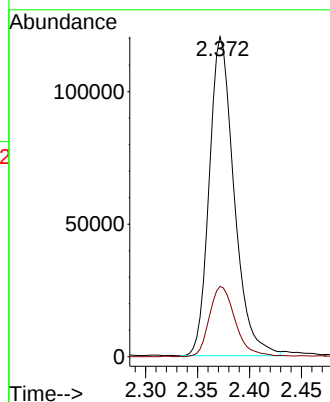
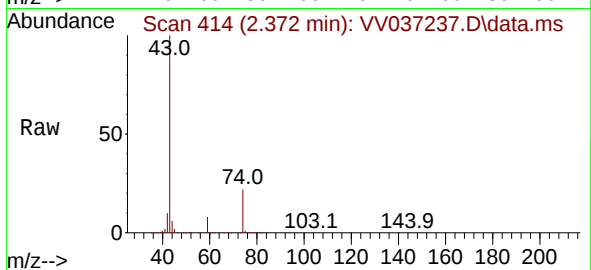
ClientSampleId :

Tgt Ion: 43 Resp: 200550

Ion Ratio Lower Upper

43 100

74 22.9 18.4 27.6



#16

Methylene chloride

Concen: 54.195 ug/L

RT: 2.446 min Scan# 437

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

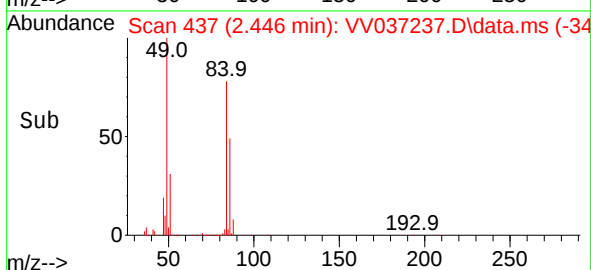
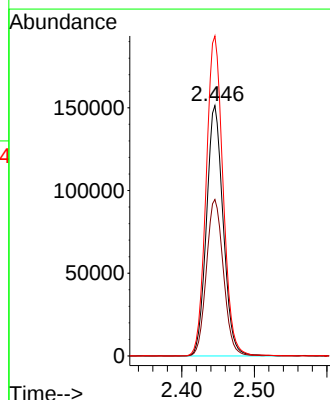
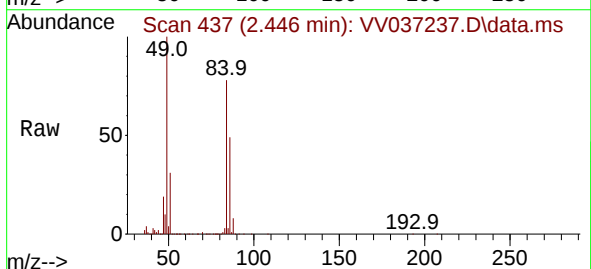
Tgt Ion: 84 Resp: 242675

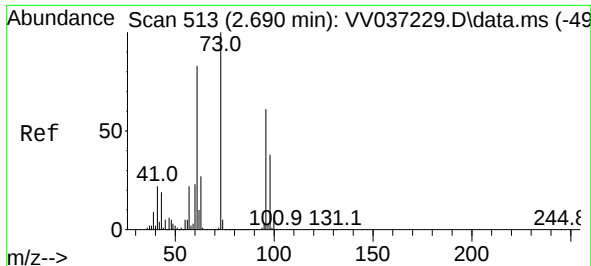
Ion Ratio Lower Upper

84 100

86 62.5 44.7 82.9

49 127.8 91.4 169.8



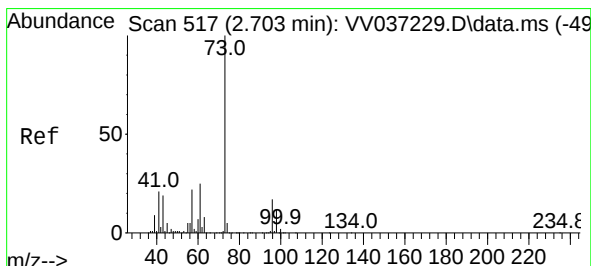
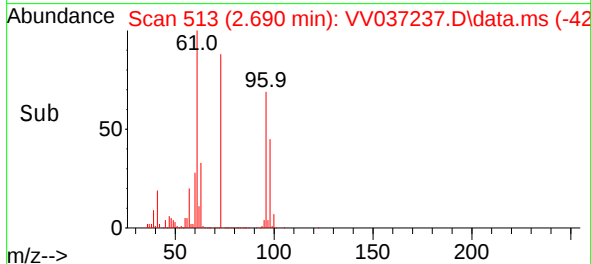
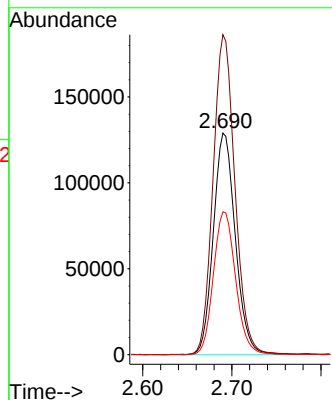
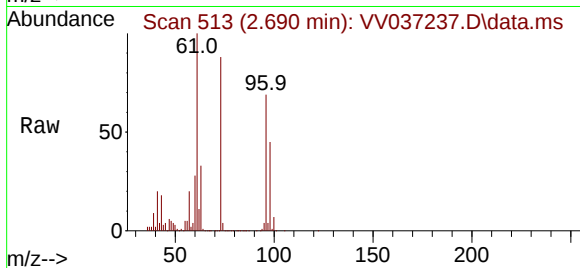


#17
trans-1,2-Dichloroethene
Concen: 53.855 ug/L
RT: 2.690 min Scan# 513
Delta R.T. -0.000 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 96 Resp: 221887

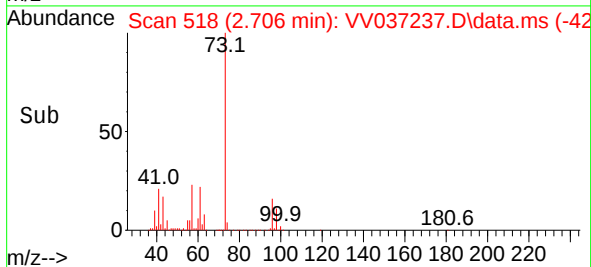
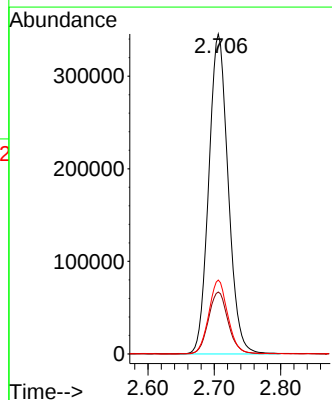
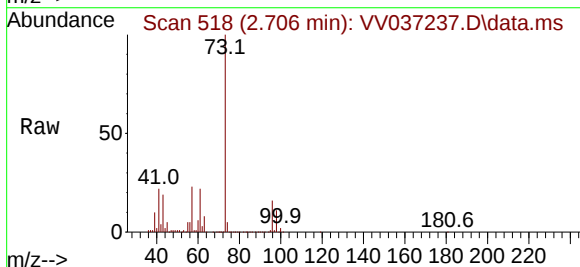
Ion	Ratio	Lower	Upper
96	100		
61	144.4	102.3	189.9
98	64.4	44.8	83.2

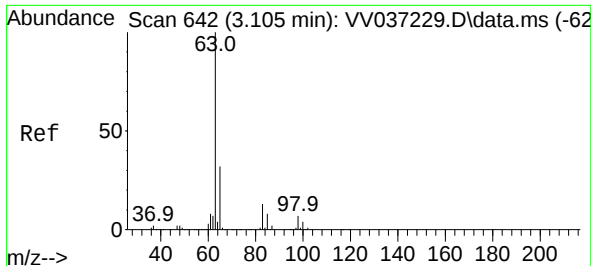


#18
Methyl tert-butyl Ether
Concen: 54.178 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

Tgt Ion: 73 Resp: 702183

Ion	Ratio	Lower	Upper
73	100		
43	19.5	15.8	23.6
57	22.6	18.1	27.1

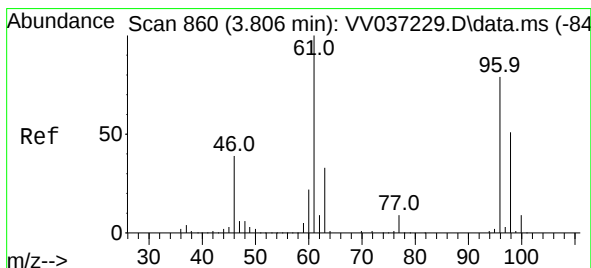
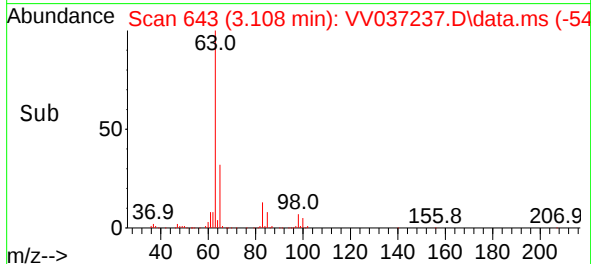
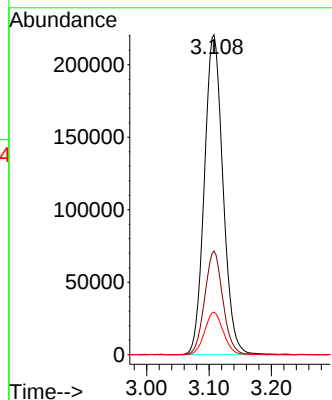
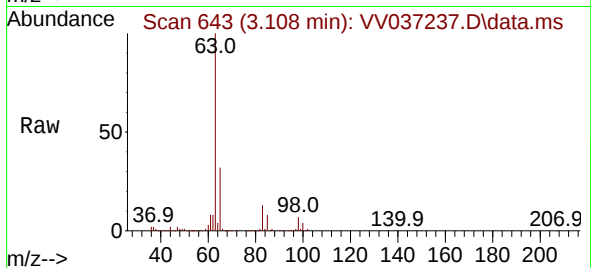




#19
1,1-Dichloroethane
Concen: 55.999 ug/L
RT: 3.108 min Scan# 642
Delta R.T. 0.003 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

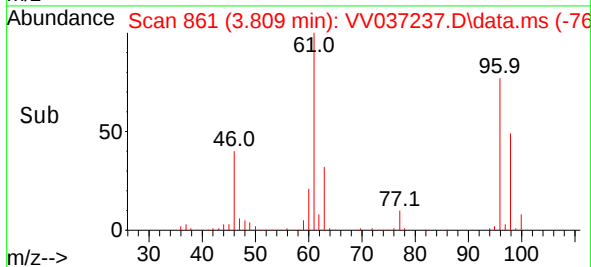
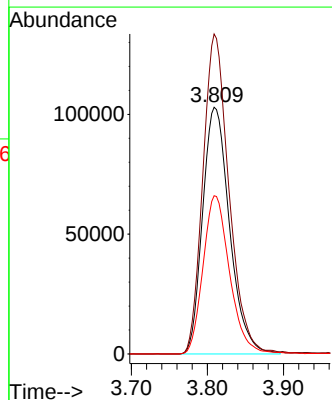
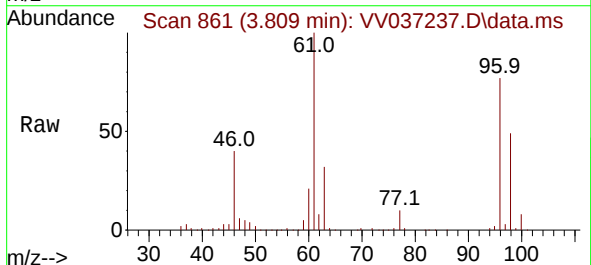
Instrument :
MSVOA_V
ClientSampleId :

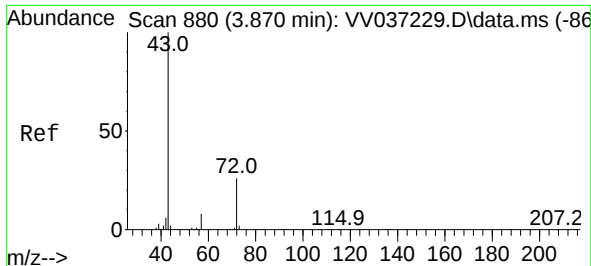
Tgt Ion: 63 Resp: 458192
Ion Ratio Lower Upper
63 100
65 32.4 22.0 41.0
83 13.3 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 55.708 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.003 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

Tgt Ion: 96 Resp: 253622
Ion Ratio Lower Upper
96 100
61 129.7 89.9 166.9
98 64.2 44.8 83.2

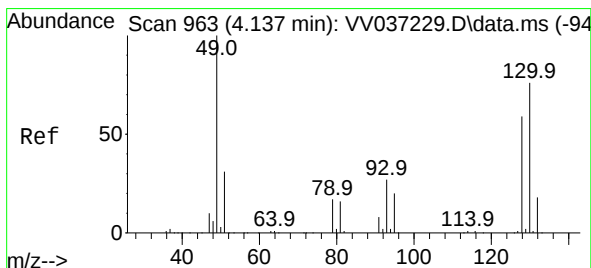
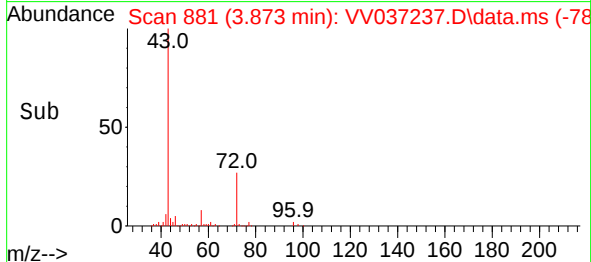
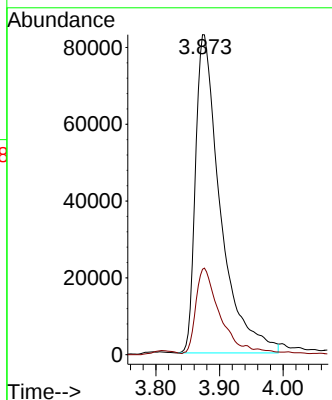
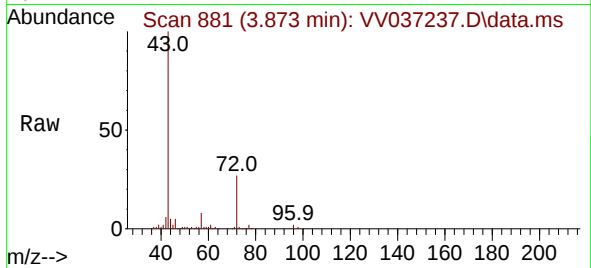




#22
2-Butanone
Concen: 88.368 ug/L
RT: 3.873 min Scan# 880
Delta R.T. 0.003 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

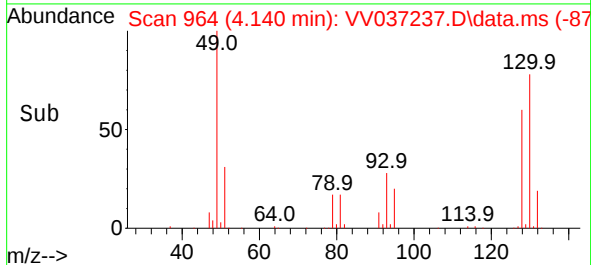
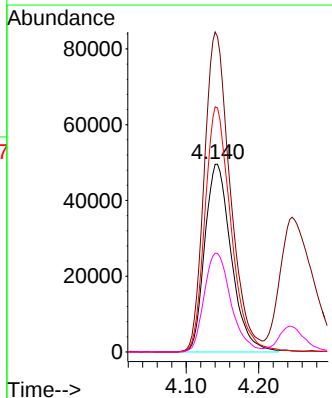
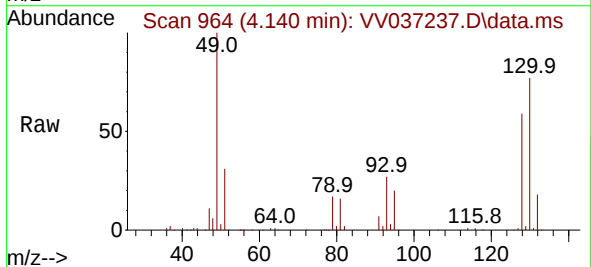
Instrument :
MSVOA_V
ClientSampleId :

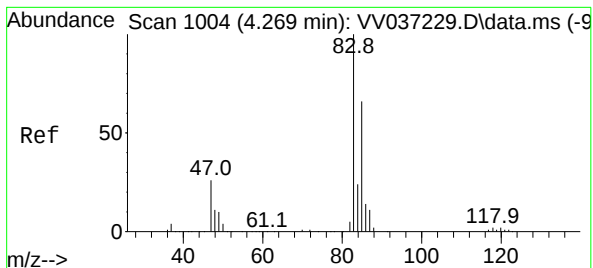
Tgt Ion: 43 Resp: 224860
Ion Ratio Lower Upper
43 100
72 24.5 12.7 38.0



#23
Bromochloromethane
Concen: 56.209 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.003 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

Tgt Ion:128 Resp: 125620
Ion Ratio Lower Upper
128 100
49 170.5 117.2 217.6
130 130.6 87.6 162.8
51 52.6 40.8 61.2





#25

Chloroform

Concen: 55.301 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

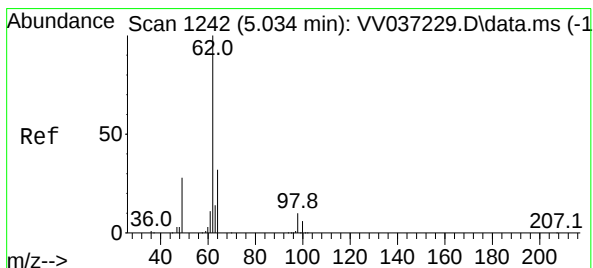
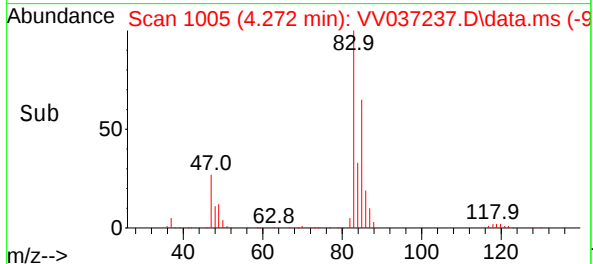
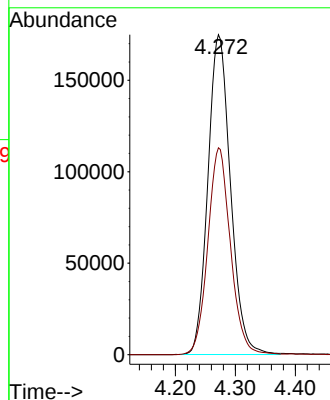
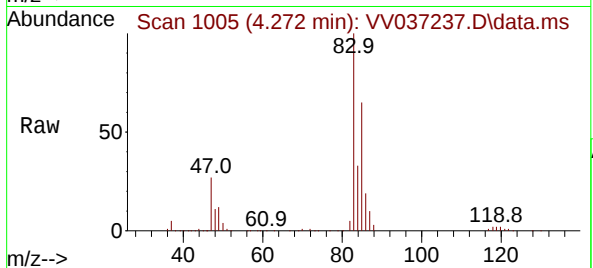
ClientSampleId :

Tgt Ion: 83 Resp: 458251

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.7



#27

1,2-Dichloroethane

Concen: 54.983 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV037237.D

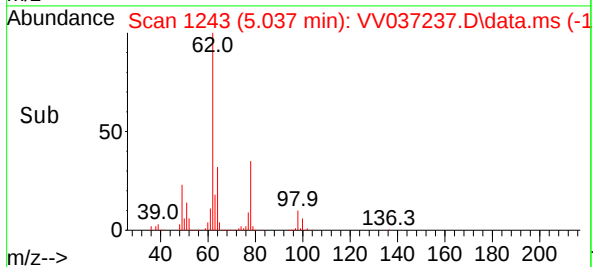
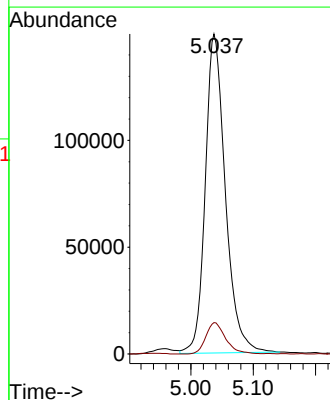
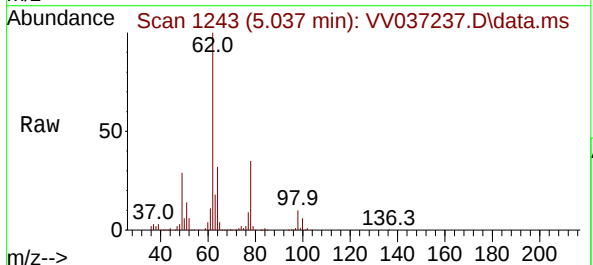
Acq: 09 Sep 2024 15:33

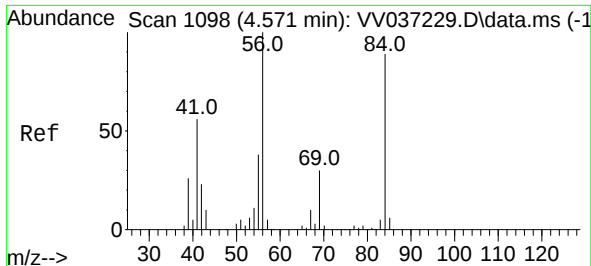
Tgt Ion: 62 Resp: 334211

Ion Ratio Lower Upper

62 100

98 9.8 8.0 12.0





#29

Cyclohexane

Concen: 51.782 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

ClientSampleId :

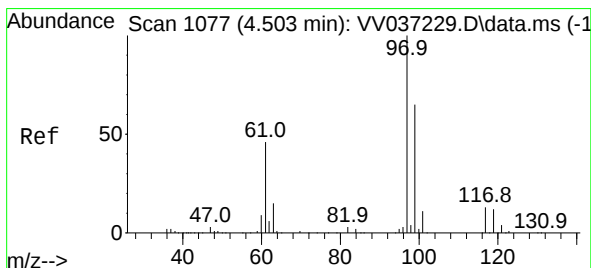
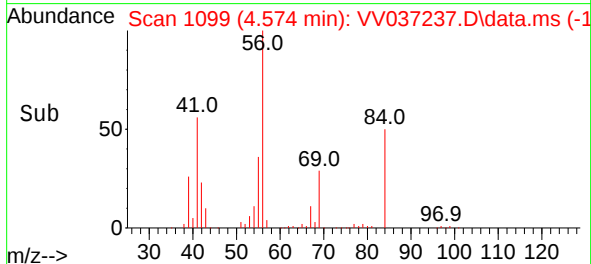
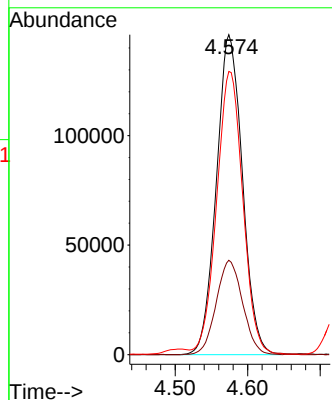
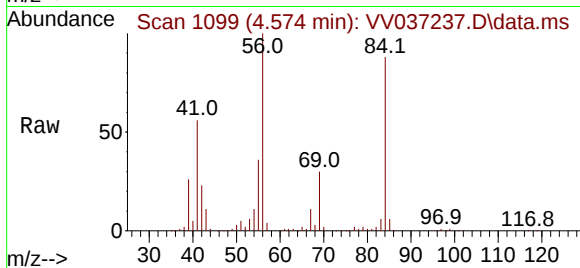
Tgt Ion: 56 Resp: 364986

Ion Ratio Lower Upper

56 100

69 29.8 24.2 36.4

84 88.7 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 54.945 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

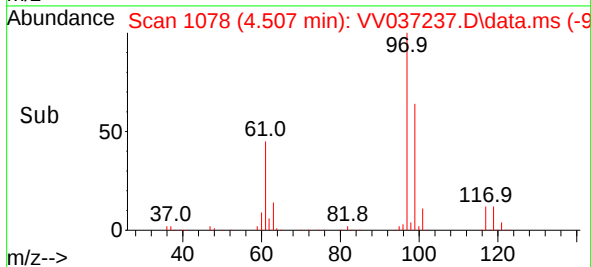
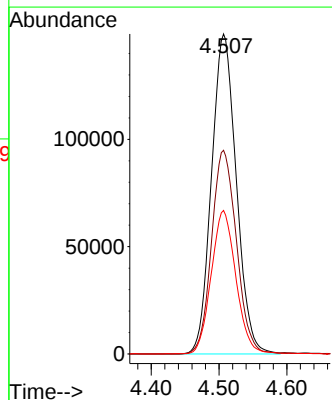
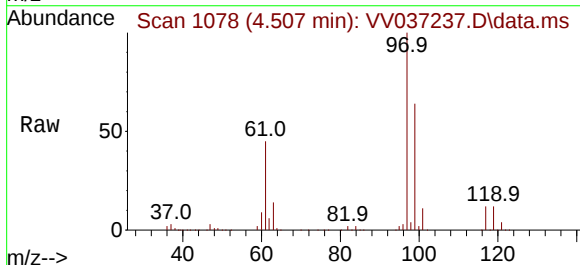
Tgt Ion: 97 Resp: 378998

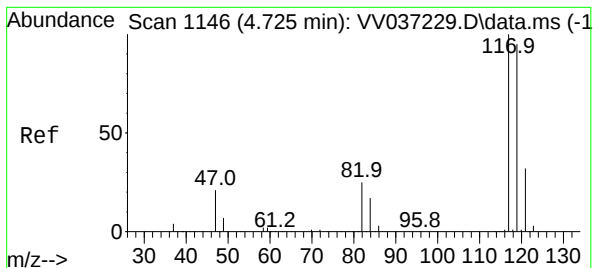
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 44.5 35.8 53.6





#31

Carbon tetrachloride

Concen: 55.821 ug/L

RT: 4.728 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

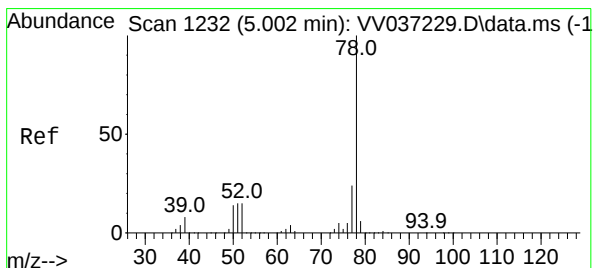
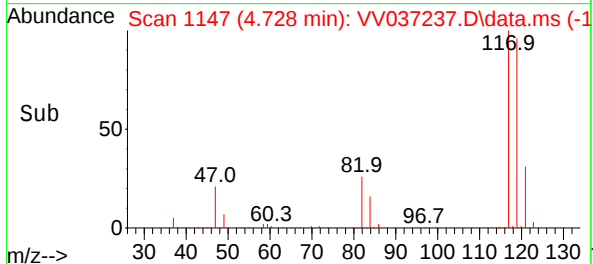
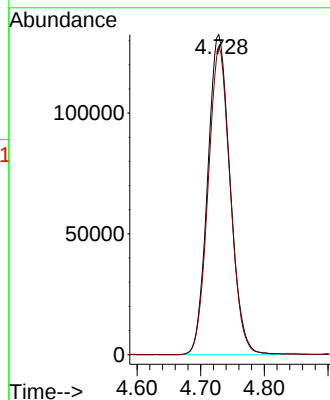
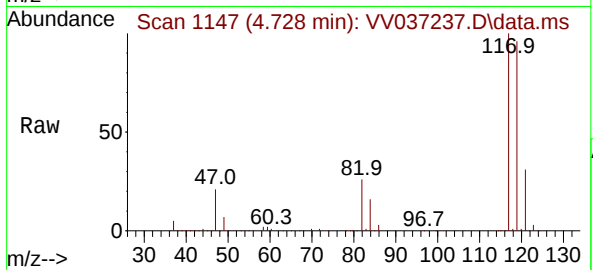
ClientSampleId :

Tgt Ion:117 Resp: 324898

Ion Ratio Lower Upper

117 100

119 94.7 75.8 113.6



#33

Benzene

Concen: 55.296 ug/L

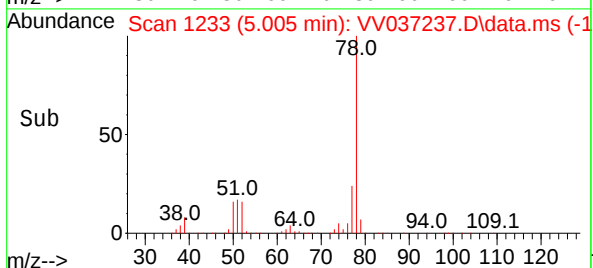
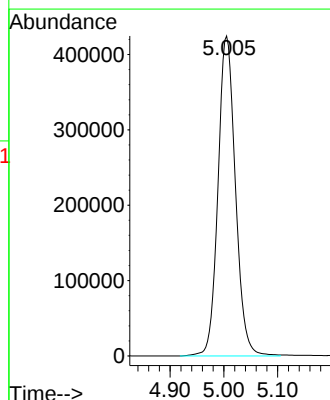
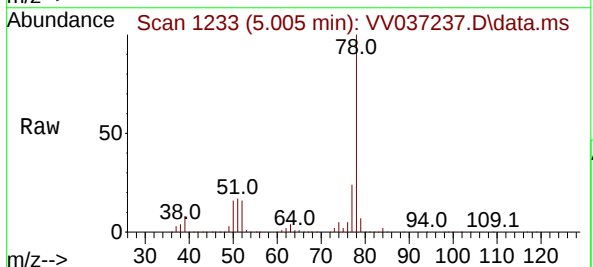
RT: 5.005 min Scan# 1233

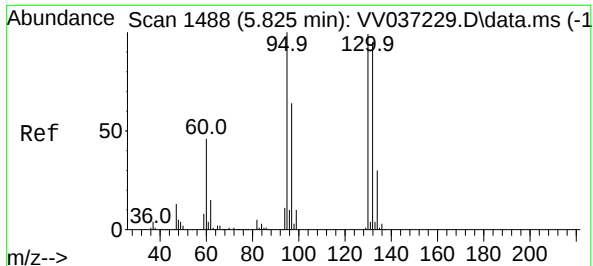
Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Tgt Ion: 78 Resp: 956647





#34

Trichloroethene

Concen: 53.578 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 244656

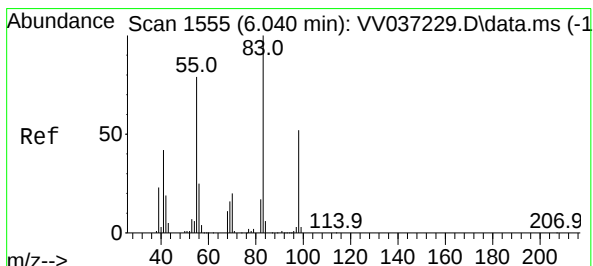
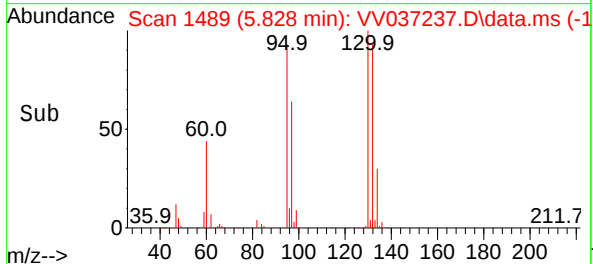
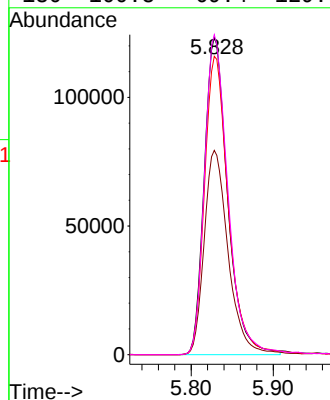
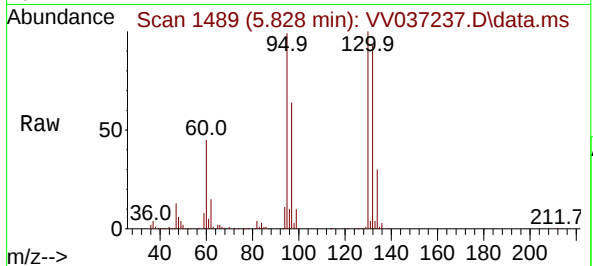
Ion Ratio Lower Upper

95 100

97 64.4 44.4 82.5

132 94.0 64.9 120.5

130 100.8 69.4 129.0



#35

Methylcyclohexane

Concen: 52.787 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

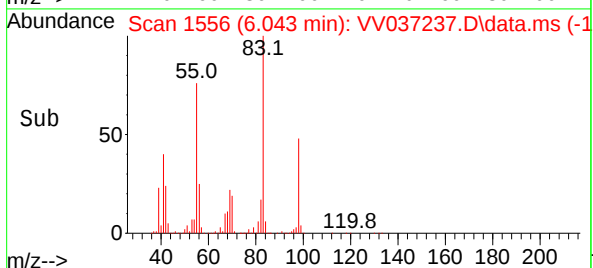
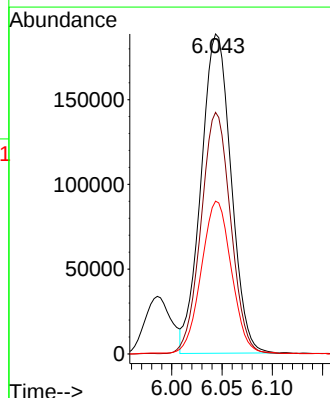
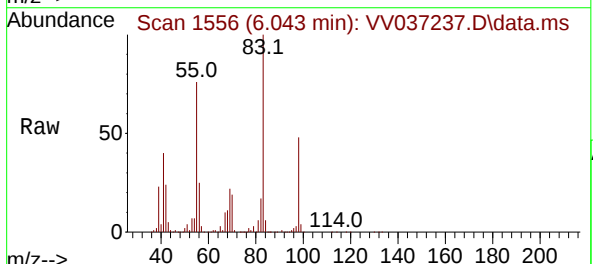
Tgt Ion: 83 Resp: 391630

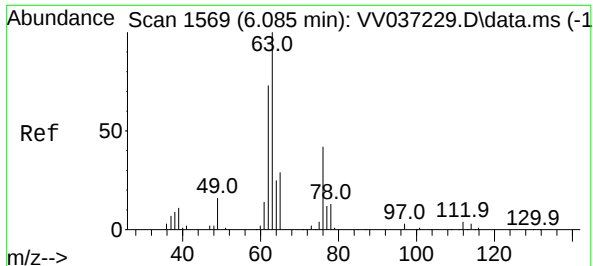
Ion Ratio Lower Upper

83 100

55 74.5 61.2 91.8

98 48.3 39.3 58.9

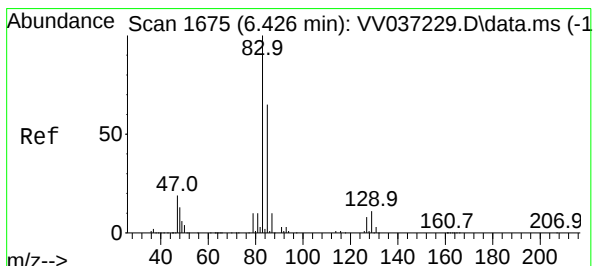
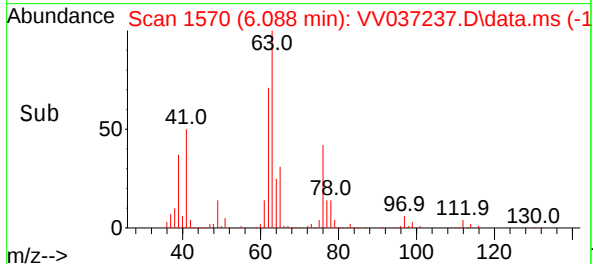
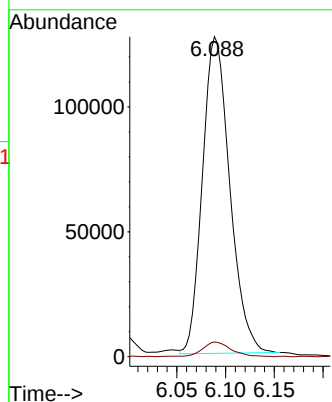
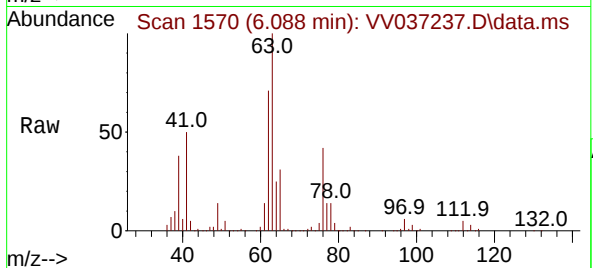




#37
1,2-Dichloropropane
Concen: 53.412 ug/L
RT: 6.088 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

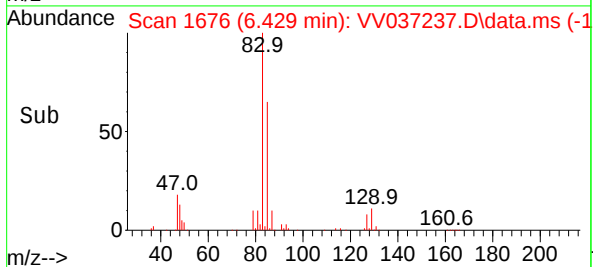
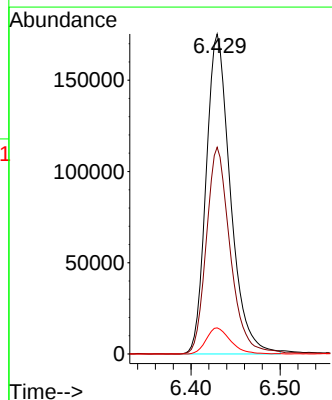
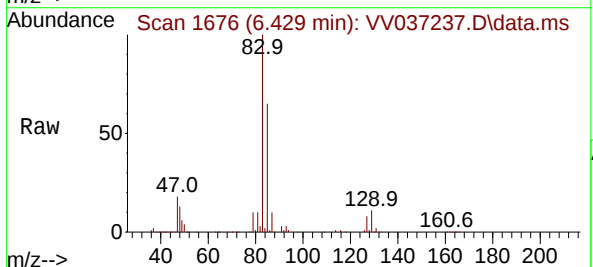
Instrument :
MSVOA_V
ClientSampleId :

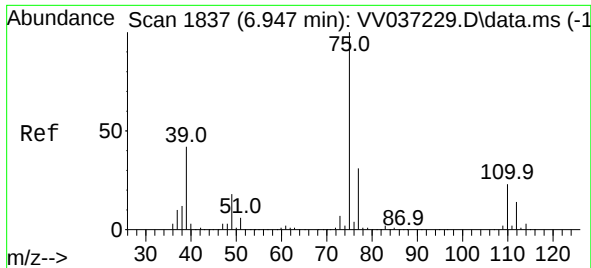
Tgt Ion: 63 Resp: 247729
Ion Ratio Lower Upper
63 100
112 4.8 3.5 5.3



#38
Bromodichloromethane
Concen: 55.841 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

Tgt Ion: 83 Resp: 331949
Ion Ratio Lower Upper
83 100
85 64.6 44.5 82.7
127 8.2 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 54.573 ug/L

RT: 6.950 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

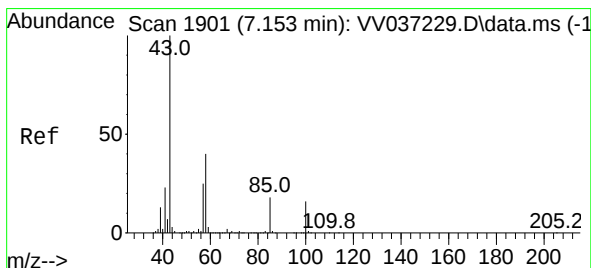
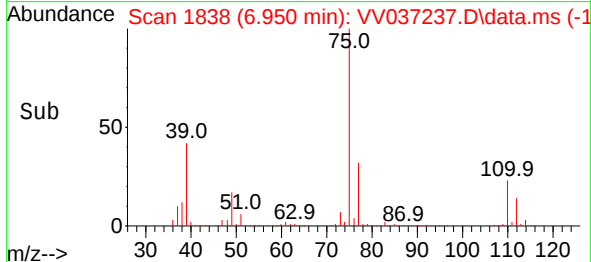
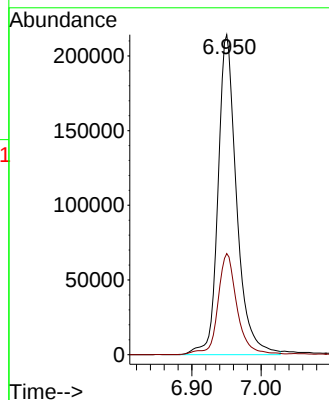
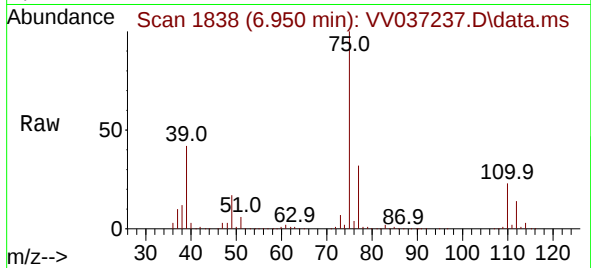
ClientSampleId :

Tgt Ion: 75 Resp: 399432

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 100.527 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

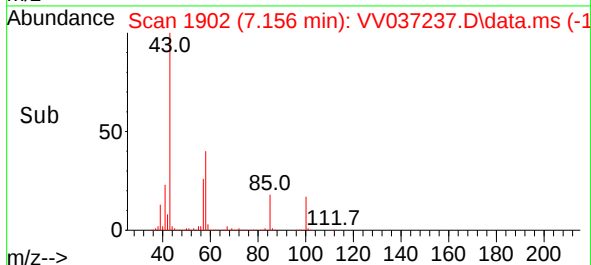
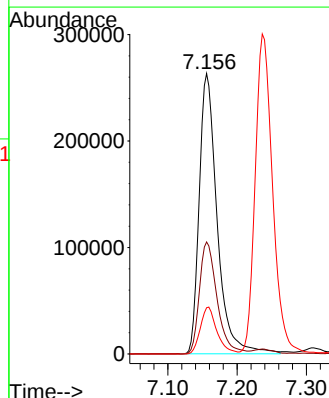
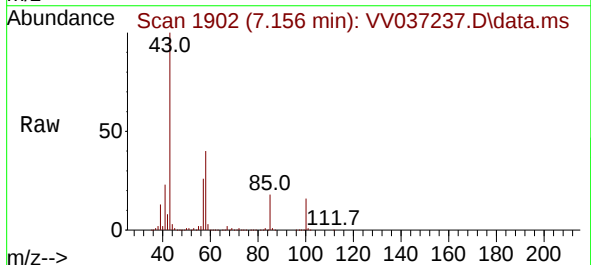
Tgt Ion: 43 Resp: 474011

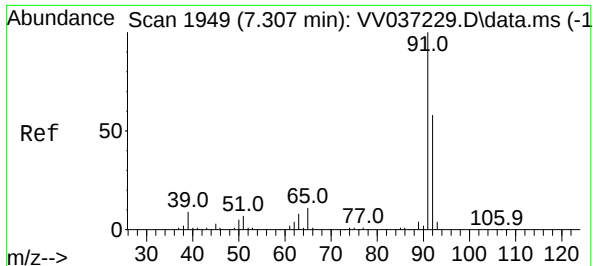
Ion Ratio Lower Upper

43 100

58 39.4 32.0 48.0

100 15.5 12.4 18.6





#42

Toluene

Concen: 56.034 ug/L

RT: 7.310 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

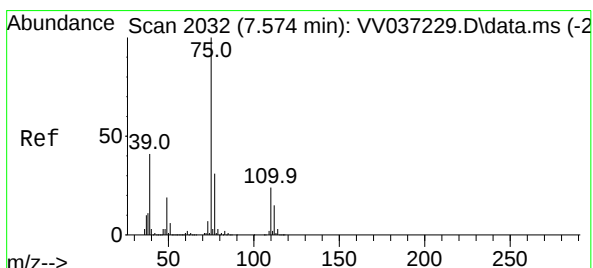
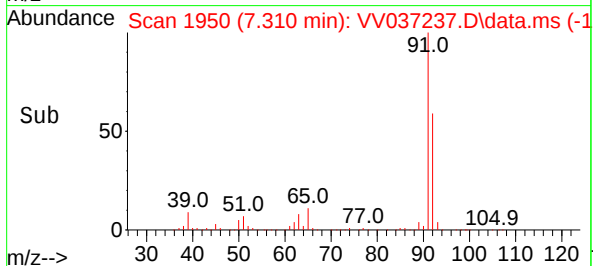
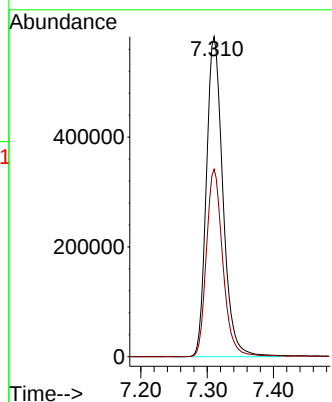
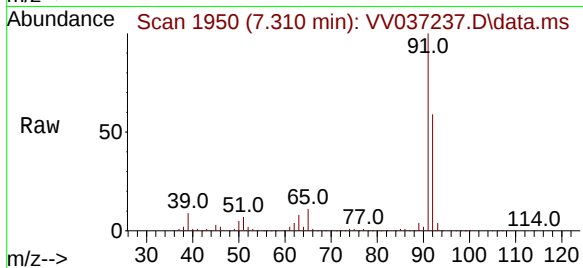
ClientSampleId :

Tgt Ion: 91 Resp: 1009331

Ion Ratio Lower Upper

91 100

92 58.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 55.341 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.003 min

Lab File: VV037237.D

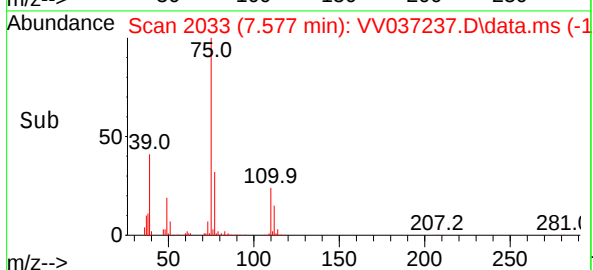
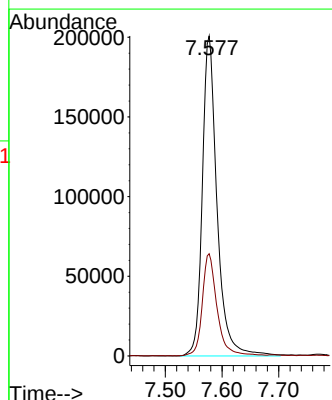
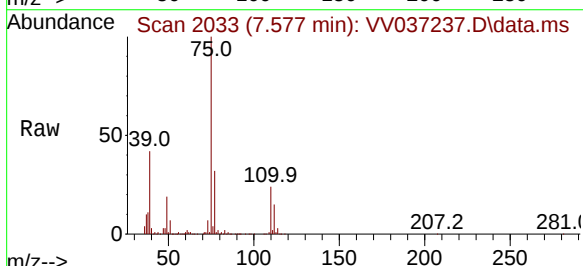
Acq: 09 Sep 2024 15:33

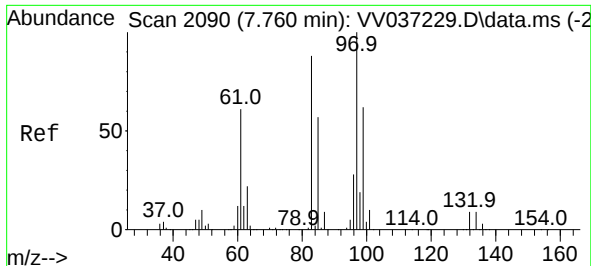
Tgt Ion: 75 Resp: 362056

Ion Ratio Lower Upper

75 100

77 31.9 22.0 40.8



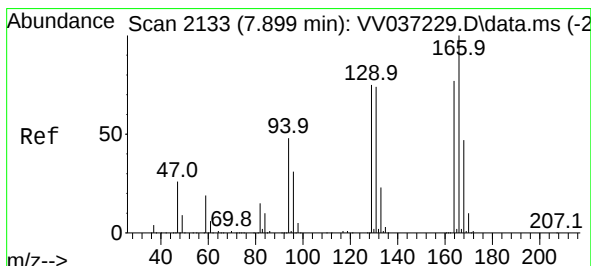
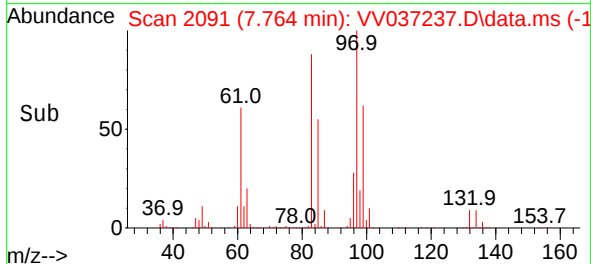
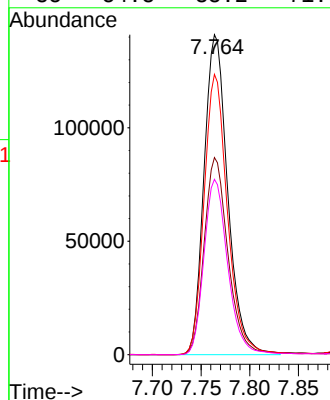
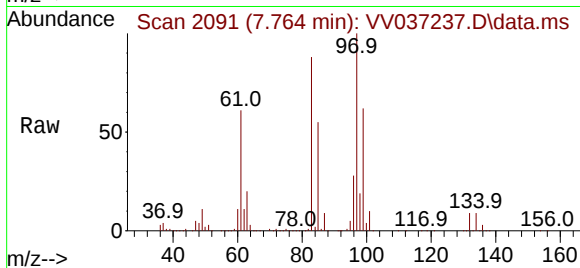


#45
1,1,2-Trichloroethane
Concen: 55.324 ug/L
RT: 7.764 min Scan# 2090
Delta R.T. 0.003 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 238864

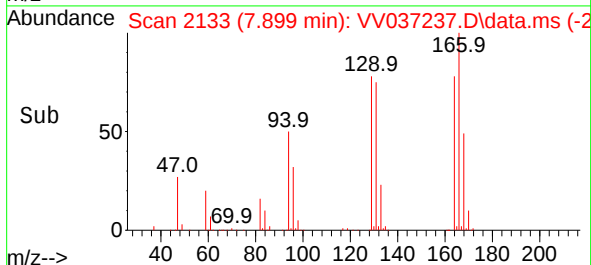
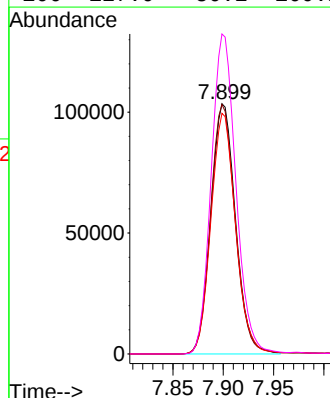
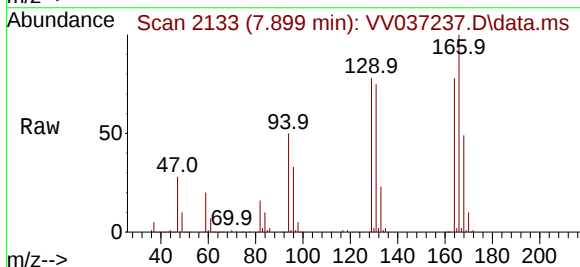
Ion	Ratio	Lower	Upper
97	100		
99	61.6	42.6	79.0
83	87.6	60.5	112.3
85	54.8	38.2	71.0

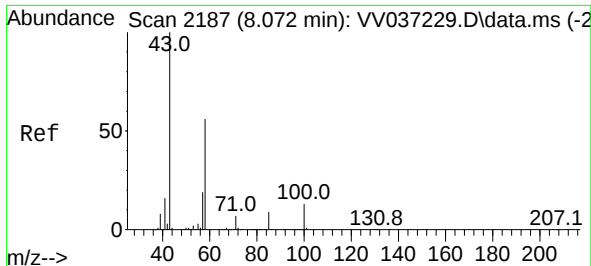


#46
Tetrachloroethene
Concen: 54.071 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. -0.000 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

Tgt Ion: 164 Resp: 177155

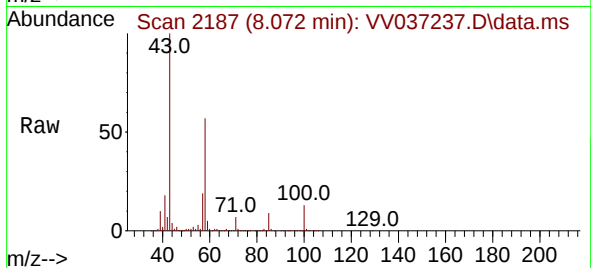
Ion	Ratio	Lower	Upper
164	100		
129	99.7	67.1	124.7
131	96.2	67.0	124.4
166	127.9	86.2	160.2



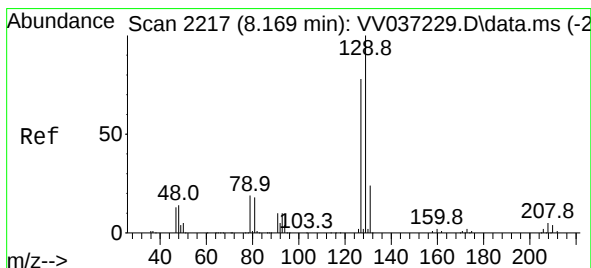
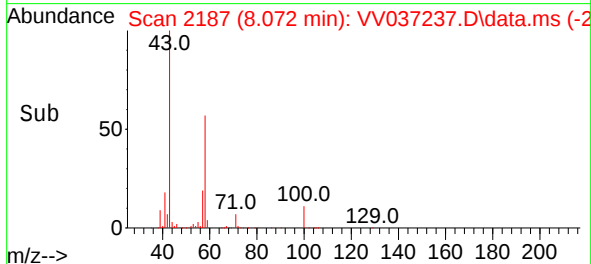
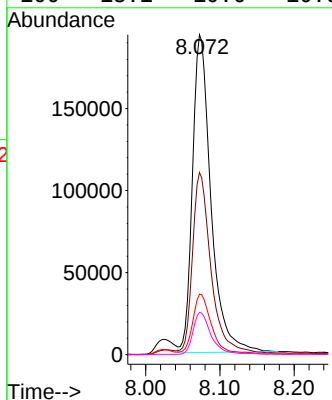


#48
2-Hexanone
Concen: 92.347 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

Instrument :
MSVOA_V
ClientSampleId :

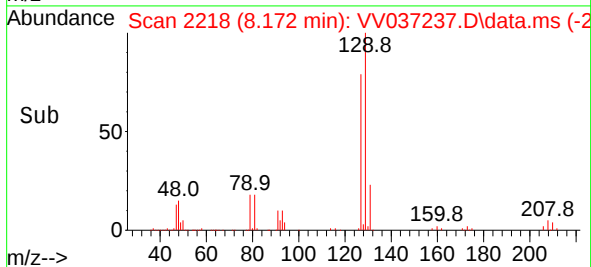
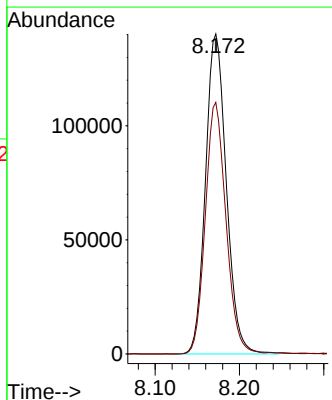
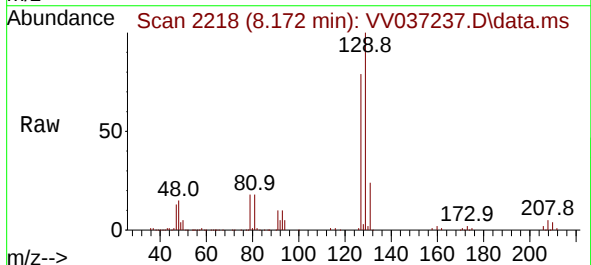


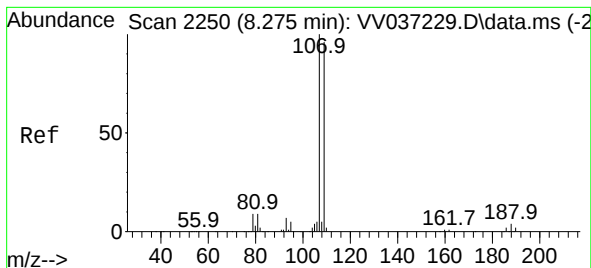
Tgt Ion: 43 Resp: 336764
Ion Ratio Lower Upper
43 100
58 56.5 46.0 69.0
57 17.9 15.6 23.4
100 13.1 10.6 16.0



#49
Dibromochloromethane
Concen: 55.854 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.003 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

Tgt Ion: 129 Resp: 241470
Ion Ratio Lower Upper
129 100
127 78.6 54.7 101.7





#50

1,2-Dibromoethane

Concen: 54.324 ug/L

RT: 8.278 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

ClientSampleId :

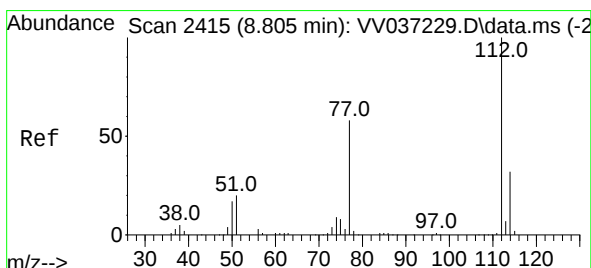
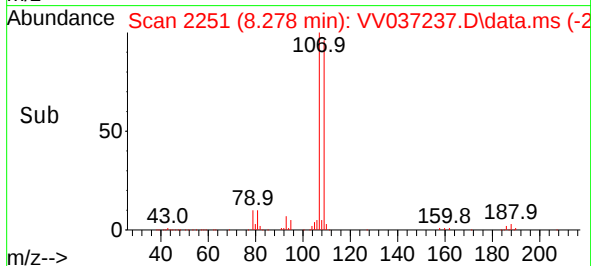
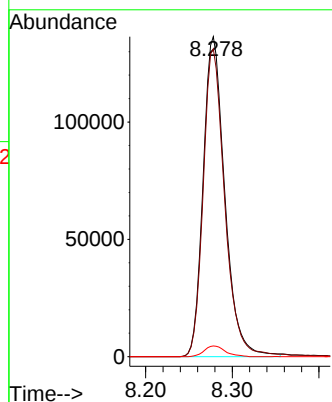
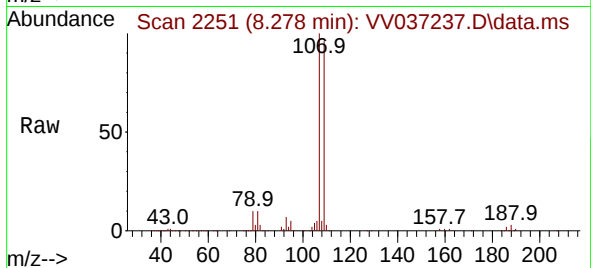
Tgt Ion:107 Resp: 237339

Ion Ratio Lower Upper

107 100

109 96.2 66.6 123.6

188 3.3 2.6 3.8



#51

Chlorobenzene

Concen: 54.764 ug/L

RT: 8.809 min Scan# 2416

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

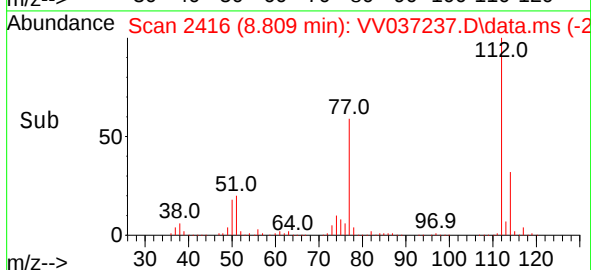
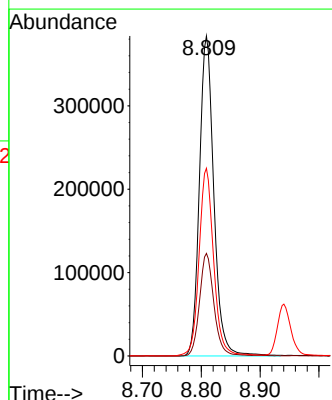
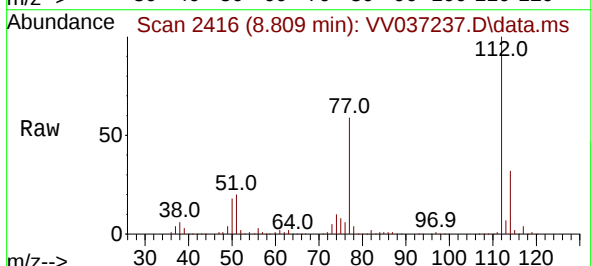
Tgt Ion:112 Resp: 653073

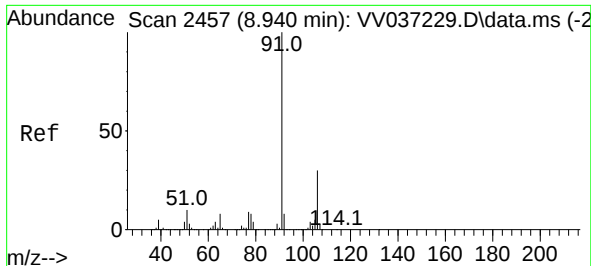
Ion Ratio Lower Upper

112 100

114 32.1 22.3 41.5

77 58.7 47.8 71.8





#52

Ethylbenzene

Concen: 55.369 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. -0.000 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

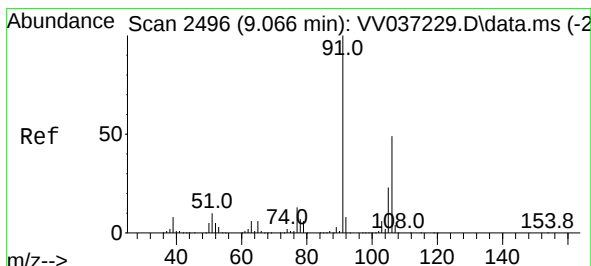
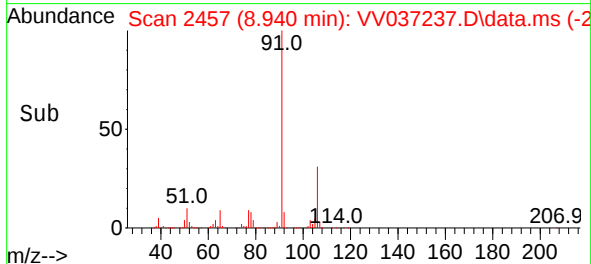
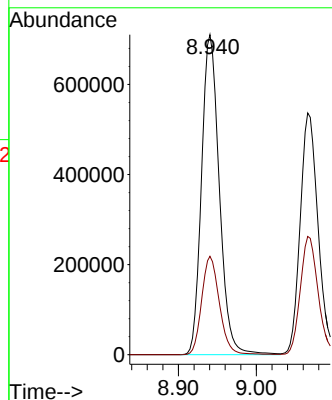
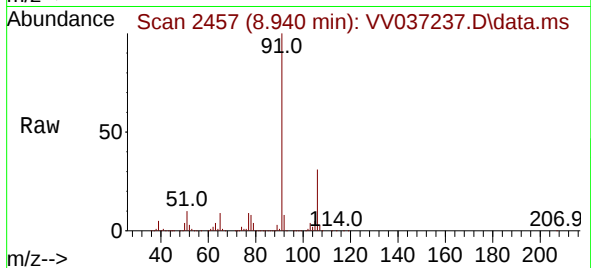
ClientSampleId :

Tgt Ion: 91 Resp: 1126556

Ion Ratio Lower Upper

91 100

106 30.7 21.4 39.8



#53

m,p-Xylene

Concen: 55.731 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. -0.000 min

Lab File: VV037237.D

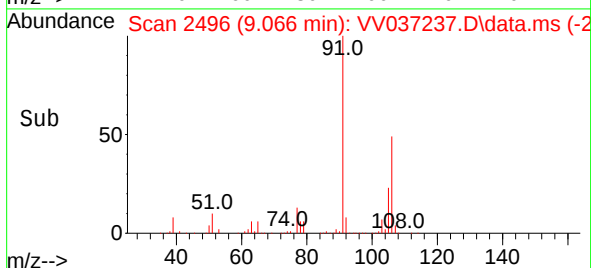
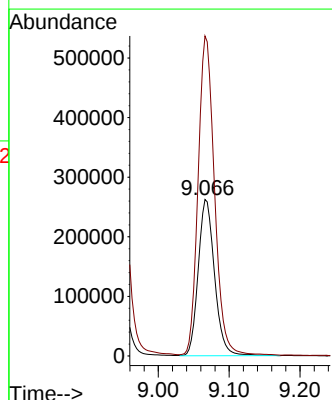
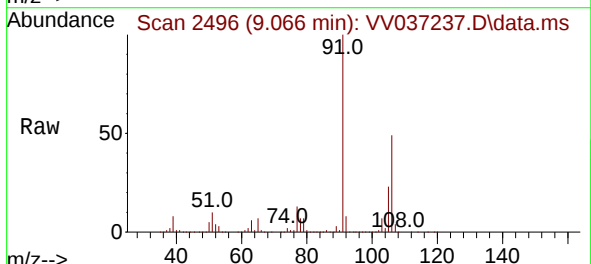
Acq: 09 Sep 2024 15:33

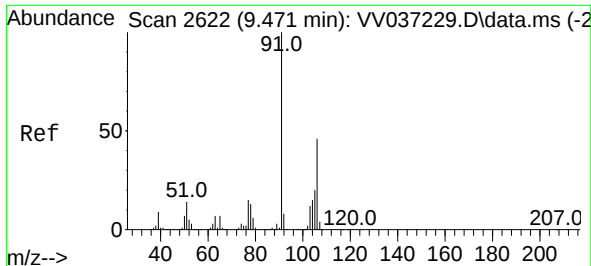
Tgt Ion:106 Resp: 420128

Ion Ratio Lower Upper

106 100

91 204.5 143.0 265.6





#54

o-Xylene

Concen: 55.303 ug/L

RT: 9.471 min Scan# 2622

Delta R.T. -0.000 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

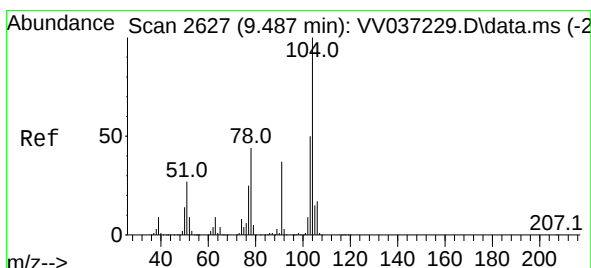
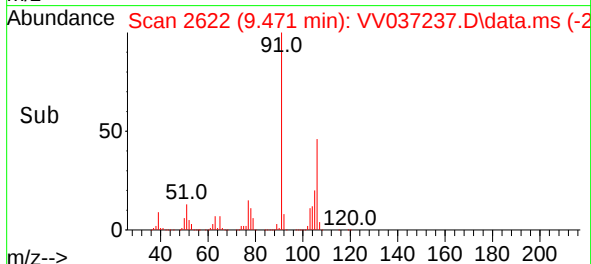
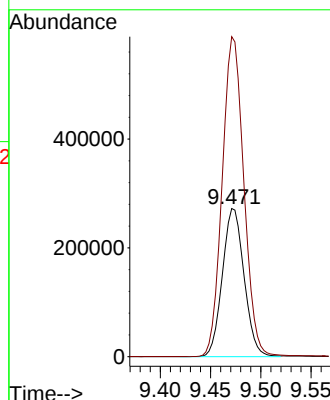
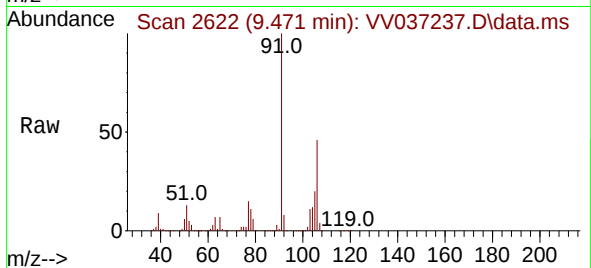
ClientSampleId :

Tgt Ion:106 Resp: 408195

Ion Ratio Lower Upper

106 100

91 216.1 153.2 284.6



#55

Styrene

Concen: 56.228 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. 0.003 min

Lab File: VV037237.D

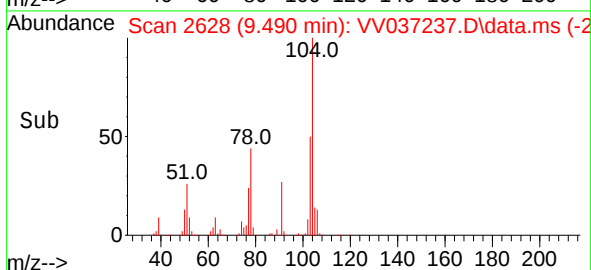
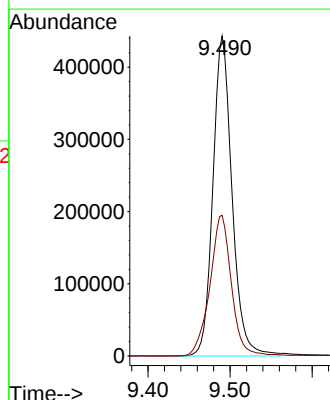
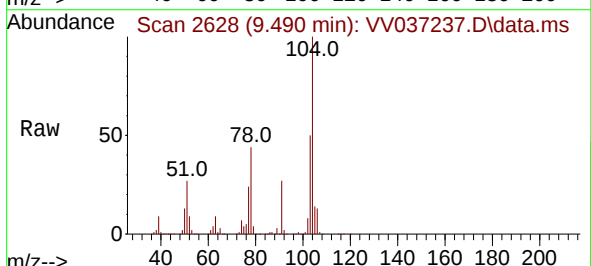
Acq: 09 Sep 2024 15:33

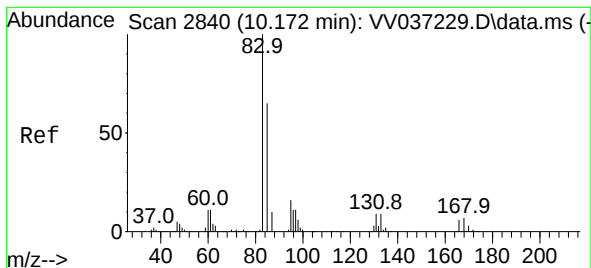
Tgt Ion:104 Resp: 720130

Ion Ratio Lower Upper

104 100

78 44.0 30.9 57.5

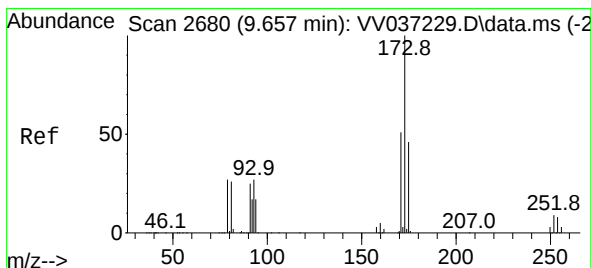
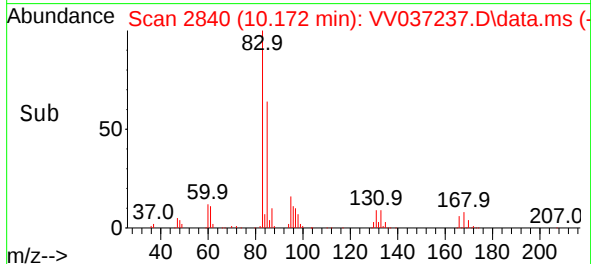
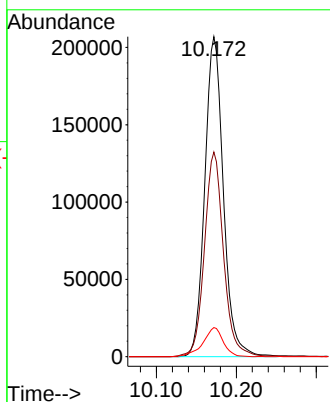
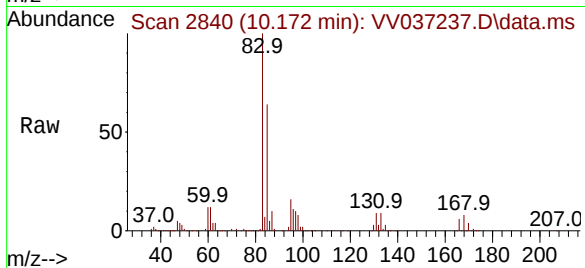




#57
1,1,2,2-Tetrachloroethane
Concen: 52.349 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. -0.000 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

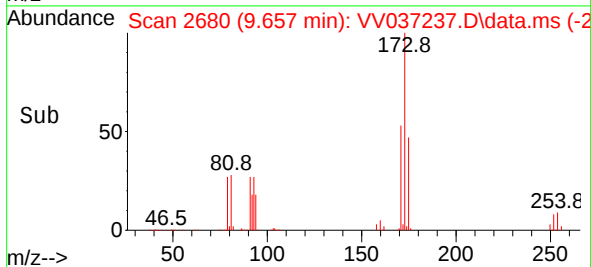
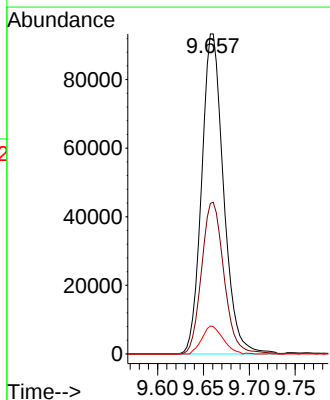
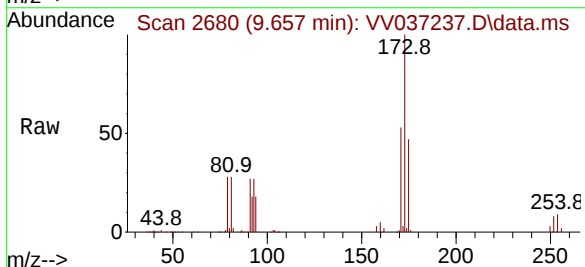
Instrument :
MSVOA_V
ClientSampleId :

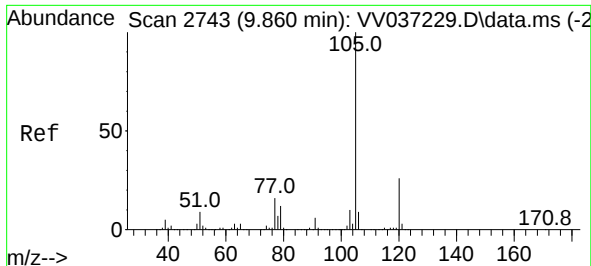
Tgt Ion: 83 Resp: 334742
Ion Ratio Lower Upper
83 100
85 63.9 45.1 83.7
131 9.1 7.4 11.0



#59
Bromoform
Concen: 53.038 ug/L
RT: 9.657 min Scan# 2680
Delta R.T. -0.000 min
Lab File: VV037237.D
Acq: 09 Sep 2024 15:33

Tgt Ion: 173 Resp: 155096
Ion Ratio Lower Upper
173 100
175 48.5 38.7 58.1
254 8.4 6.8 10.2





#60

Isopropylbenzene

Concen: 54.907 ug/L

RT: 9.860 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

ClientSampleId :

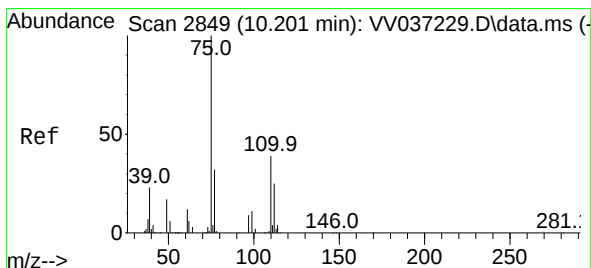
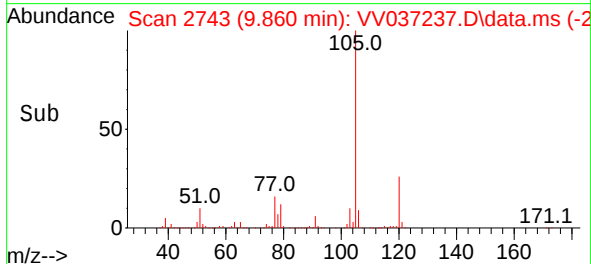
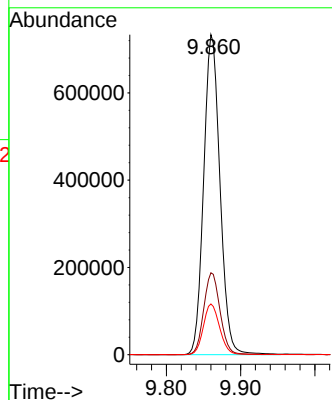
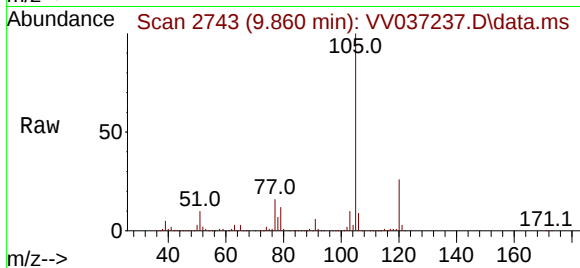
Tgt Ion:105 Resp: 1117828

Ion Ratio Lower Upper

105 100

120 25.6 20.9 31.3

77 15.8 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 51.070 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

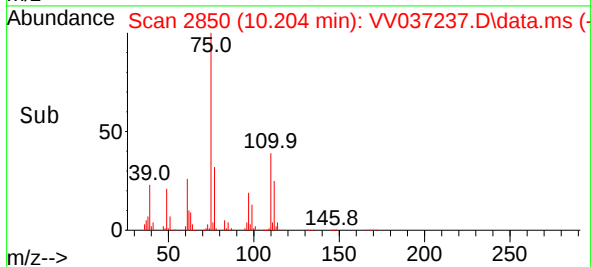
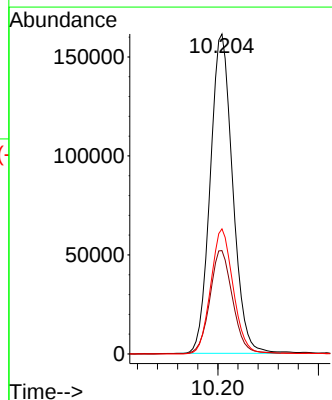
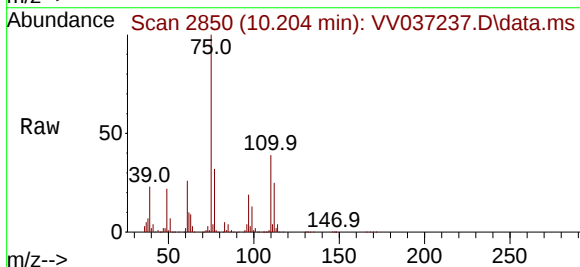
Tgt Ion: 75 Resp: 249485

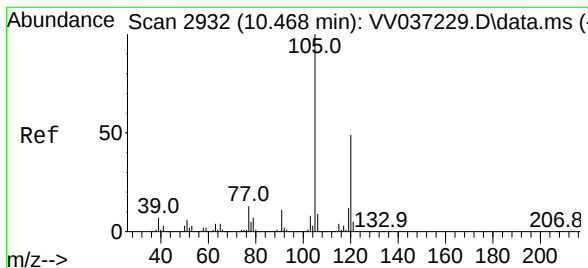
Ion Ratio Lower Upper

75 100

77 32.8 25.2 37.8

110 39.6 31.1 46.7





#62

1,3,5-Trimethylbenzene

Concen: 53.904 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

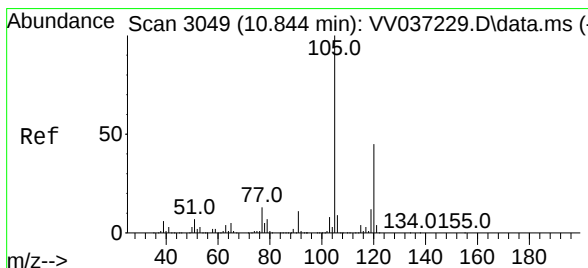
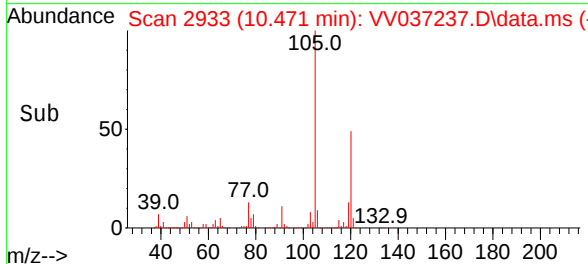
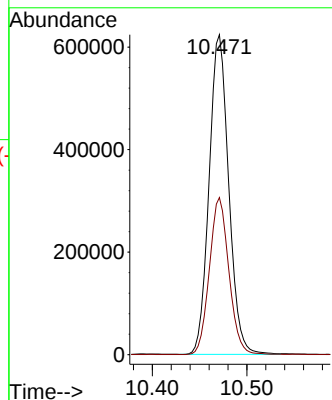
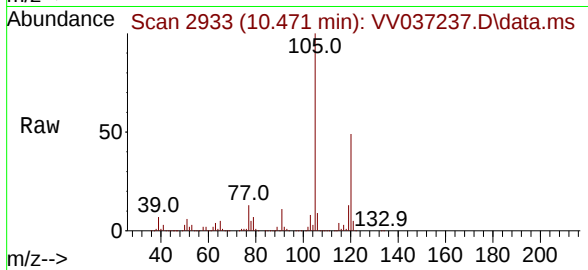
ClientSampleId :

Tgt Ion:105 Resp: 897850

Ion Ratio Lower Upper

105 100

120 48.9 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 54.287 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VV037237.D

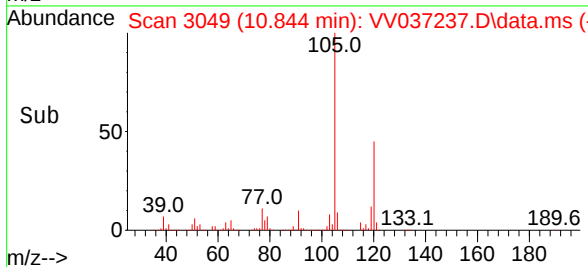
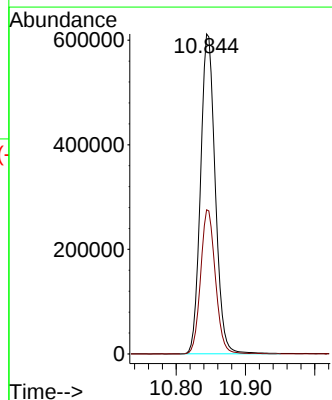
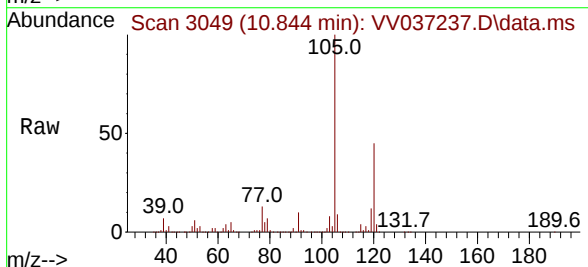
Acq: 09 Sep 2024 15:33

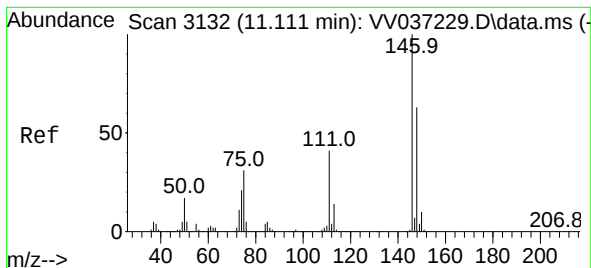
Tgt Ion:105 Resp: 902389

Ion Ratio Lower Upper

105 100

120 45.2 35.8 53.6





#64

1,3-Dichlorobenzene

Concen: 53.130 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. -0.000 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

ClientSampleId :

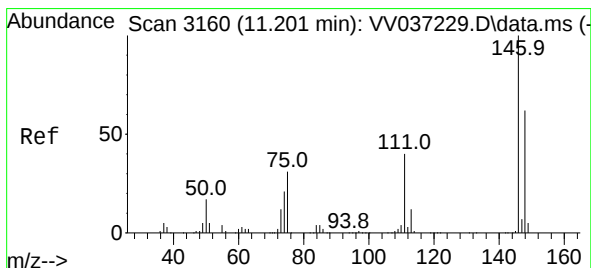
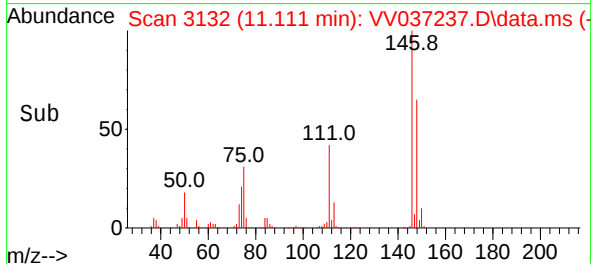
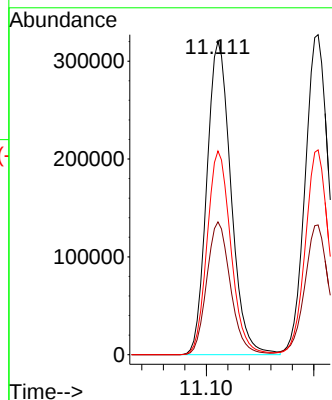
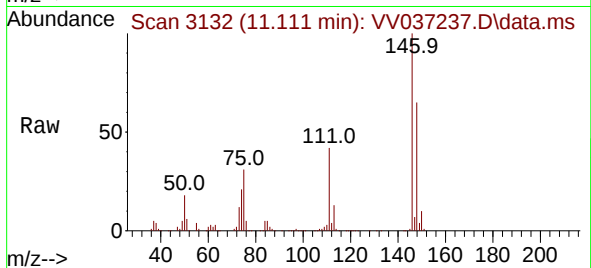
Tgt Ion:146 Resp: 499467

Ion Ratio Lower Upper

146 100

111 42.4 29.7 55.1

148 65.0 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 53.933 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

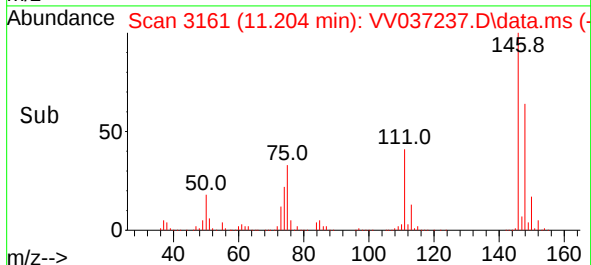
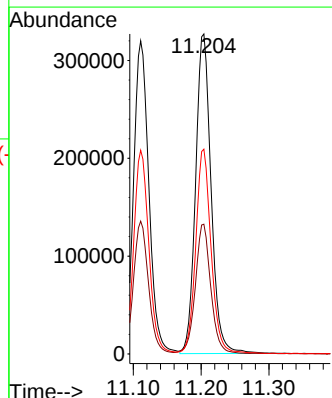
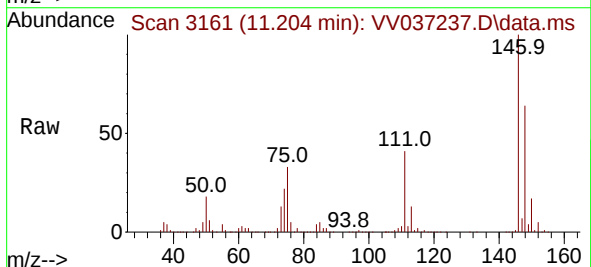
Tgt Ion:146 Resp: 518928

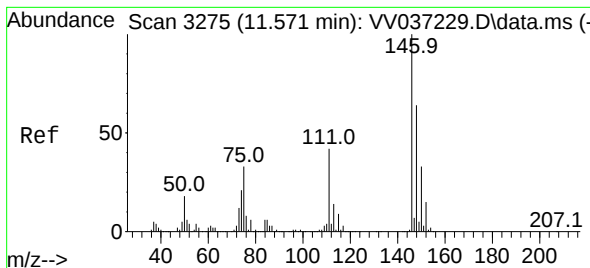
Ion Ratio Lower Upper

146 100

111 40.6 28.1 52.1

148 64.0 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 53.900 ug/L

RT: 11.574 min Scan# 3275

Delta R.T. 0.003 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

ClientSampleId :

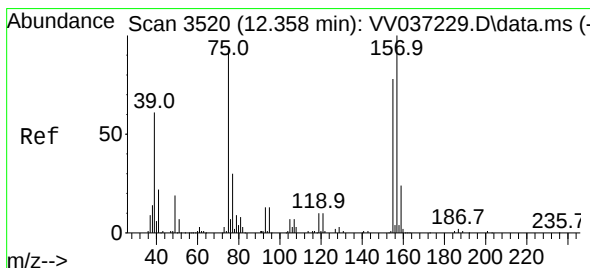
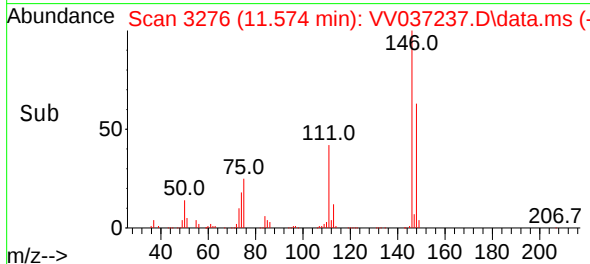
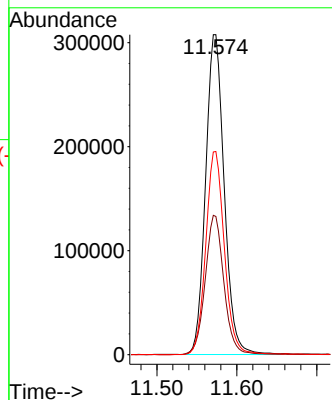
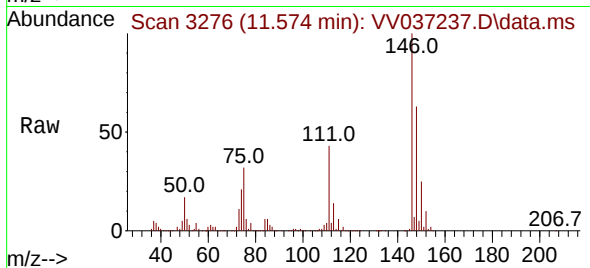
Tgt Ion:146 Resp: 498229

Ion Ratio Lower Upper

146 100

111 43.2 34.6 51.8

148 63.5 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 48.364 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.000 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

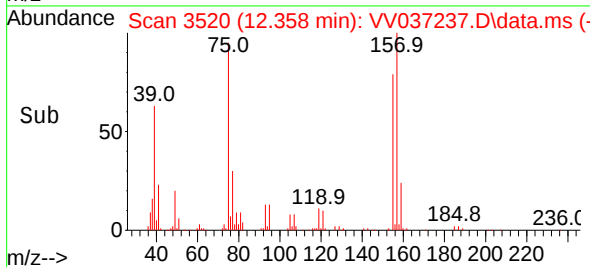
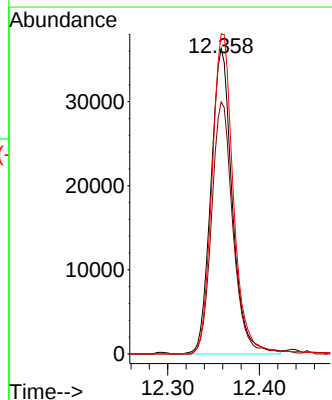
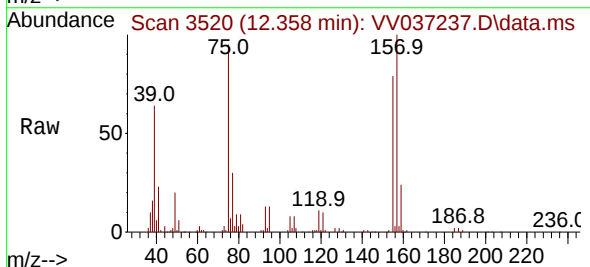
Tgt Ion: 75 Resp: 58921

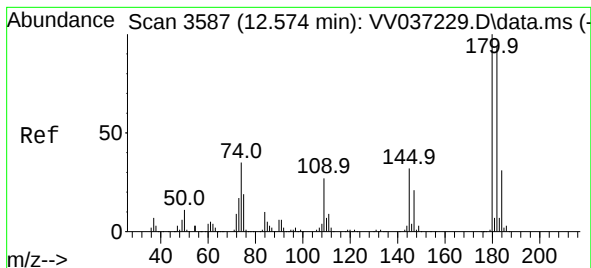
Ion Ratio Lower Upper

75 100

155 82.5 61.8 92.6

157 104.8 82.5 123.7





#69

1,3,5-Trichlorobenzene

Concen: 52.450 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.003 min

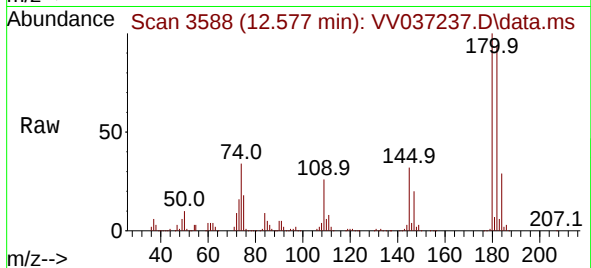
Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 343088

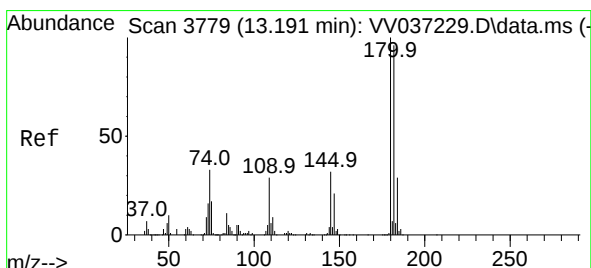
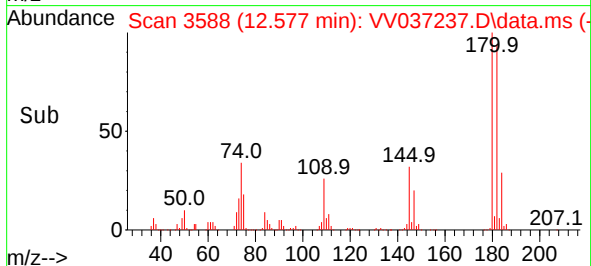
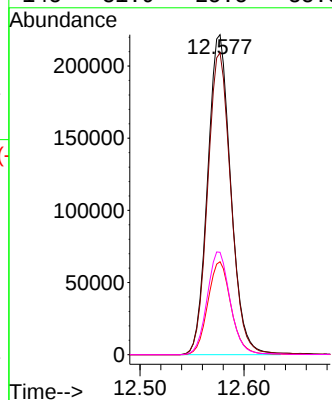
Ion Ratio Lower Upper

180 100

182 95.4 76.7 115.1

184 29.2 24.2 36.2

145 31.9 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 51.369 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. -0.000 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

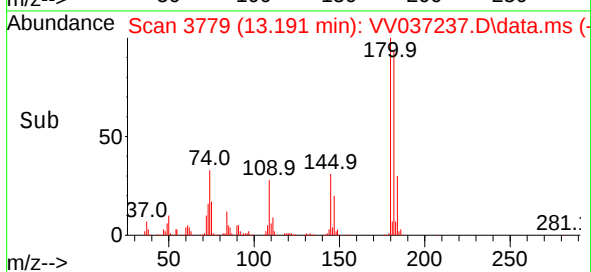
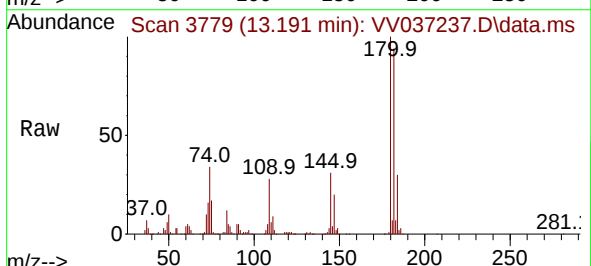
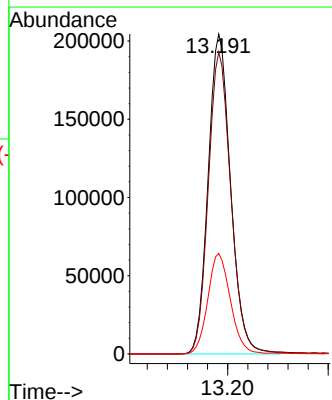
Tgt Ion:180 Resp: 316405

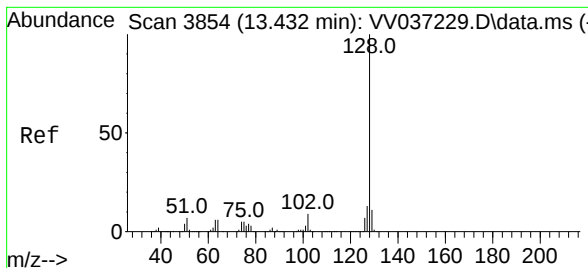
Ion Ratio Lower Upper

180 100

182 95.6 75.7 113.5

145 31.7 26.0 39.0





#71

Naphthalene

Concen: 49.446 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.000 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Instrument :

MSVOA_V

ClientSampleId :

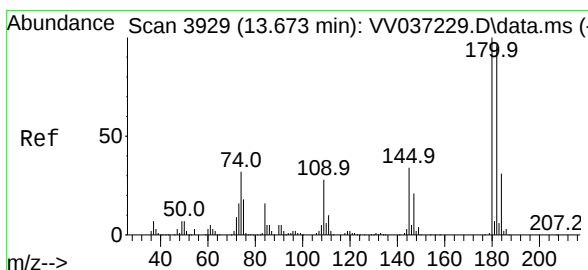
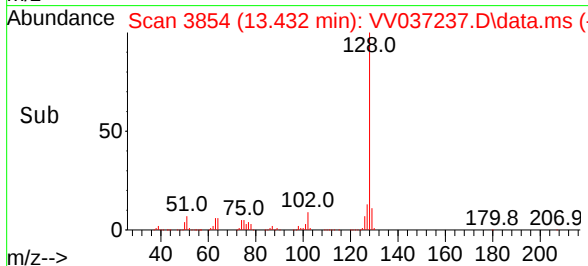
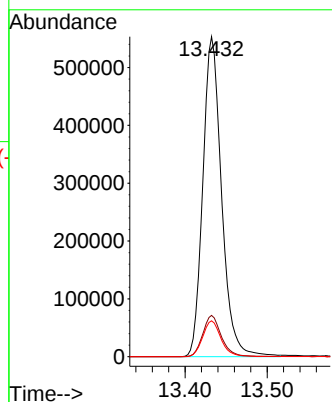
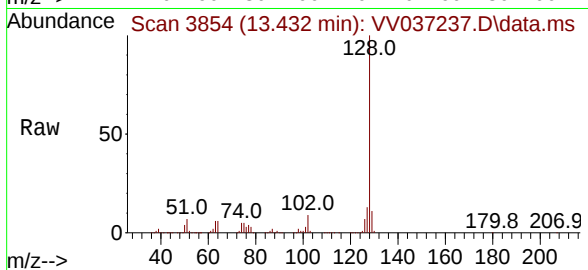
Tgt Ion:128 Resp: 879449

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 51.522 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV037237.D

Acq: 09 Sep 2024 15:33

Tgt Ion:180 Resp: 312736

Ion Ratio Lower Upper

180 100

182 95.1 75.1 112.7

145 35.2 27.0 40.4

