

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061724\
 Data File : VV036106.D
 Acq On : 17 Jun 2024 18:05
 Operator : SY/MD
 Sample : P2909-07MSD
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 18 02:13:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 18 02:10:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	370166	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	324067	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	110096	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	156980	23.067	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.280%
7) Chloroethane-d5	1.526	69	127582	23.511	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.040%
11) 1,1-Dichloroethene-d2	2.047	65	63673	21.017	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.080%
21) 2-Butanone-d5	3.831	46	54322	34.790	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.580%
24) Chloroform-d	4.243	84	276130	23.464	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.840%
26) 1,2-Dichloroethane-d4	4.941	65	152464	24.710	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.840%
32) Benzene-d6	4.953	84	499545	25.933	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.720%
36) 1,2-Dichloropropane-d6	5.985	67	165198	27.232	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.920%
41) Toluene-d8	7.239	98	412997	24.299	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.200%
43) trans-1,3-Dichloroprop...	7.555	79	56411	22.680	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.720%
47) 2-Hexanone-d5	8.034	63	32906	40.037	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.080%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	110953	24.476	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.920%
66) 1,2-Dichlorobenzene-d4	11.561	152	75097	18.601	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	74.400%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	150396	22.533	ug/L	100
3) Chloromethane	1.211	50	177223	23.137	ug/L	100
5) Vinyl chloride	1.275	62	197430	24.483	ug/L	99
6) Bromomethane	1.481	94	98676	19.725	ug/L	99
8) Chloroethane	1.542	64	125060	24.950	ug/L	99
9) Trichlorofluoromethane	1.703	101	249272	24.892	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	146156	22.997	ug/L	98
12) 1,1-Dichloroethene	2.060	96	141121	23.807	ug/L	90
13) Acetone	2.384	43	50808	20.889	ug/L	69
14) Carbon disulfide	2.230	76	454570	22.083	ug/L	99
15) Methyl Acetate	2.384	43	58000	19.185	ug/L	99
16) Methylene chloride	2.439	84	294814	35.197	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	144247	22.908	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	379331	26.834	ug/L	98
19) 1,1-Dichloroethane	3.105	63	296816	24.752	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	144648	22.862	ug/L	99
22) 2-Butanone	3.905	43	73064	35.402	ug/L	88
23) Bromochloromethane	4.143	128	81358	25.635	ug/L	99
25) Chloroform	4.272	83	301570	24.448	ug/L	99

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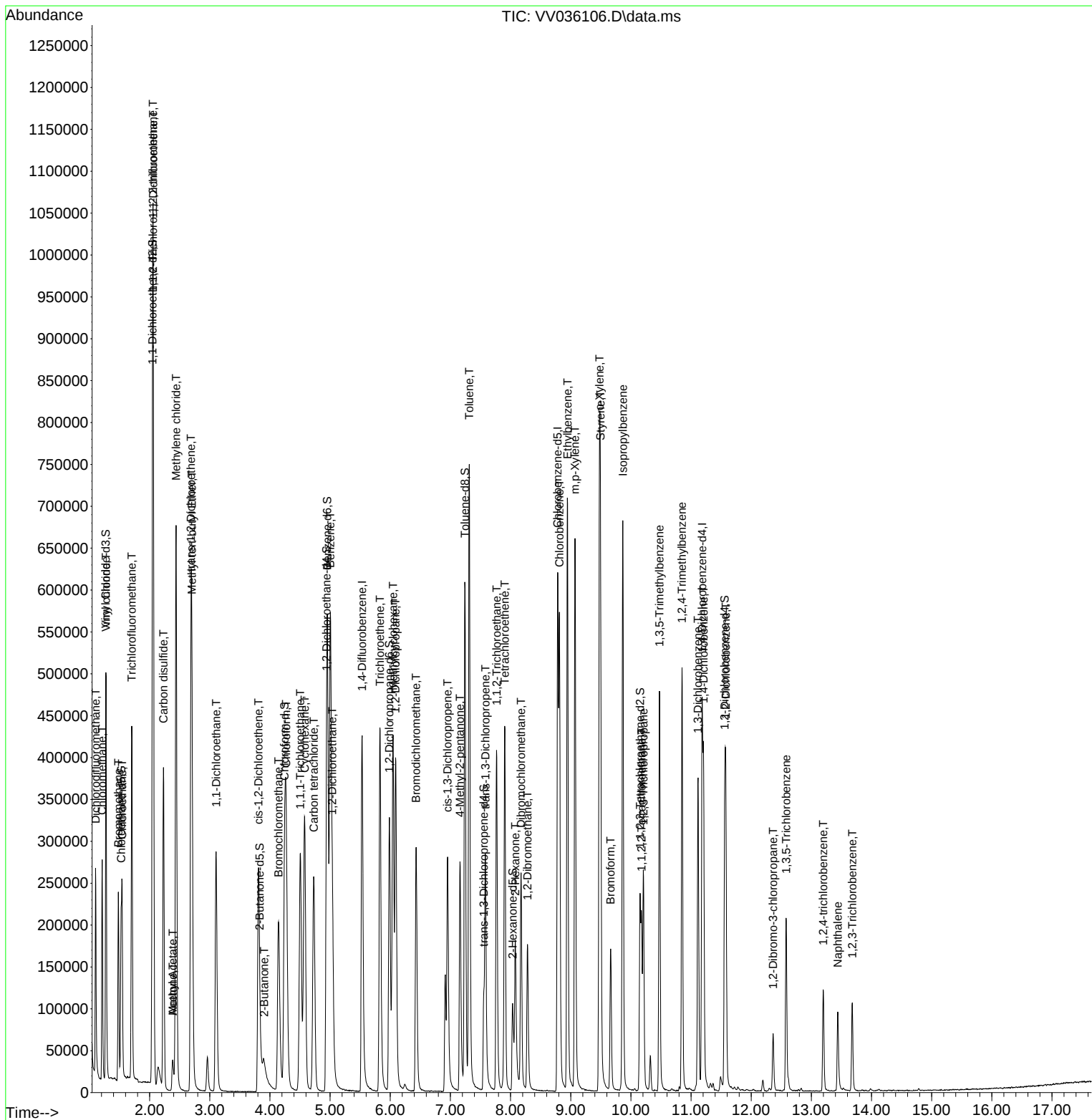
Instrument :
 MSVOA_V
 ClientSampleId :

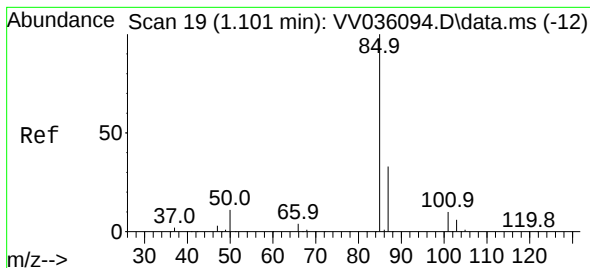
Quant Time: Jun 18 02:13:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 18 02:10:19 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	201627	26.182	ug/L	100
29) Cyclohexane	4.577	56	166618	21.594	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	237785	26.840	ug/L	98
31) Carbon tetrachloride	4.728	117	199932	25.724	ug/L	100
33) Benzene	5.005	78	598068	28.217	ug/L	100
34) Trichloroethene	5.831	95	159721	24.588	ug/L	99
35) Methylcyclohexane	6.047	83	166660	18.552	ug/L	99
37) 1,2-Dichloropropane	6.088	63	161709	29.056	ug/L	99
38) Bromodichloromethane	6.429	83	205175	27.854	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	183987	22.103	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	185052	61.201	ug/L	99
42) Toluene	7.313	91	562278	25.962	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	170786	23.754	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	128063	27.810	ug/L	99
46) Tetrachloroethene	7.905	164	98773	20.790	ug/L	99
48) 2-Hexanone	8.079	43	123509	52.249	ug/L	95
49) Dibromochloromethane	8.175	129	133341	26.458	ug/L	100
50) 1,2-Dibromoethane	8.281	107	119710	27.093	ug/L	95
51) Chlorobenzene	8.812	112	308684	20.919	ug/L	100
52) Ethylbenzene	8.947	91	488986	21.103	ug/L	100
53) m,p-Xylene	9.072	106	181298	20.823	ug/L	97
54) o-Xylene	9.477	106	166083	20.228	ug/L	100
55) Styrene	9.493	104	280124	19.347	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.178	83	101702	24.665	ug/L	100
59) Bromoform	9.664	173	77751	37.448	ug/L	99
60) Isopropylbenzene	9.866	105	416914	29.517	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	106286	40.819	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	248155	24.229	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	255298	23.135	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	150477	20.286	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	153780	20.085	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	130290	18.666	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	18124	31.127	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	64286	11.586	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	37644	8.617	ug/L	96
71) Naphthalene	13.439	128	77026	10.804	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	32614	8.181	ug/L	98

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

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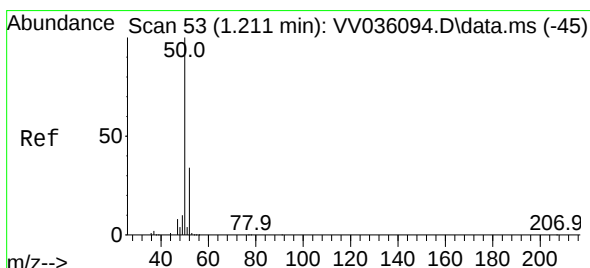
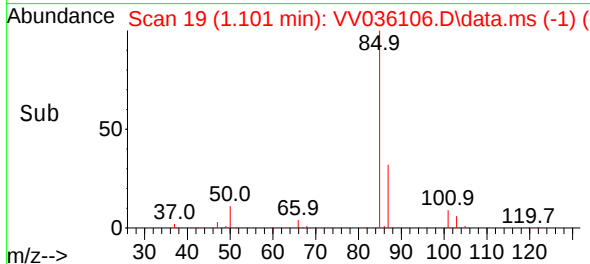
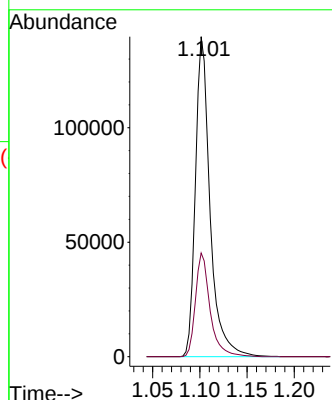
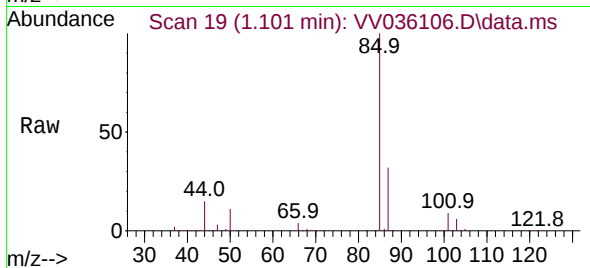




#2
 Dichlorodifluoromethane
 Concen: 22.533 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. 0.000 min
 Lab File: VV036106.D
 Acq: 17 Jun 2024 18:05

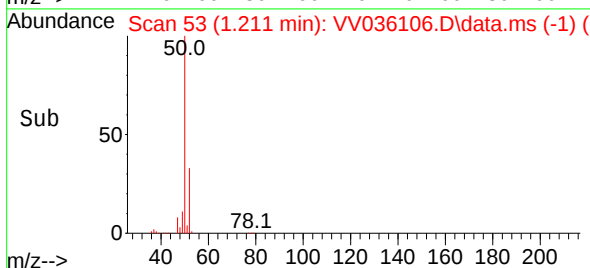
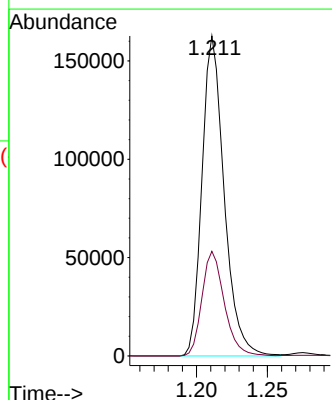
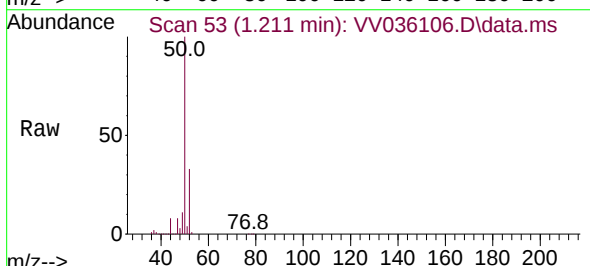
Instrument :
 MSVOA_V
 ClientSampleId :

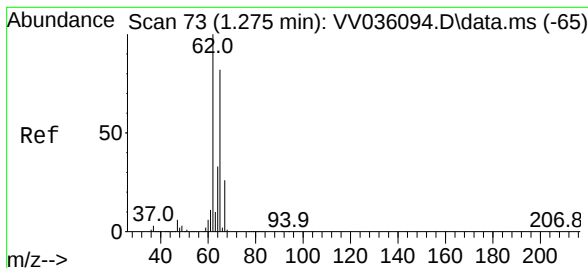
Tgt Ion: 85 Resp: 150396
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 23.137 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV036106.D
 Acq: 17 Jun 2024 18:05

Tgt Ion: 50 Resp: 177223
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.8 42.4

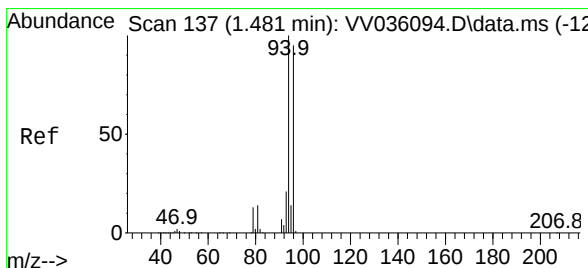
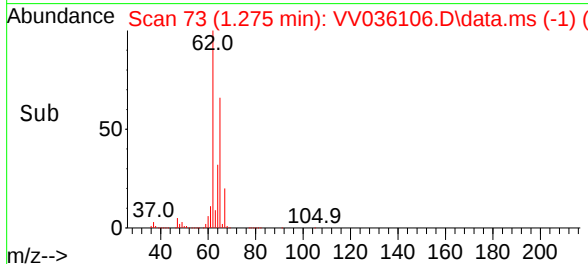
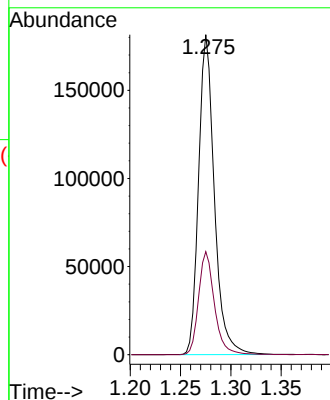
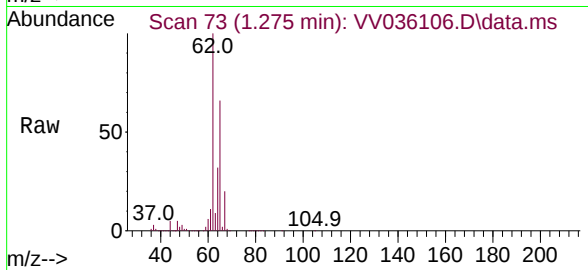




#5
 Vinyl chloride
 Concen: 24.483 ug/L
 RT: 1.275 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: VV036106.D
 Acq: 17 Jun 2024 18:05

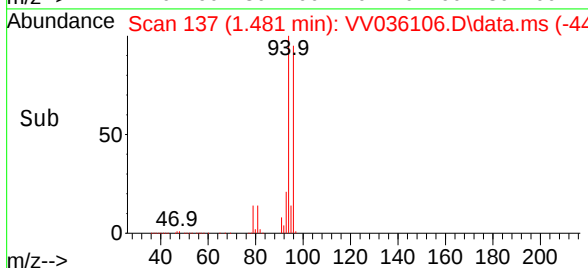
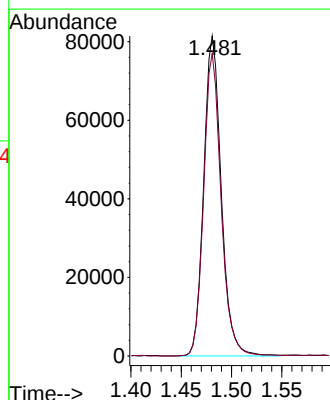
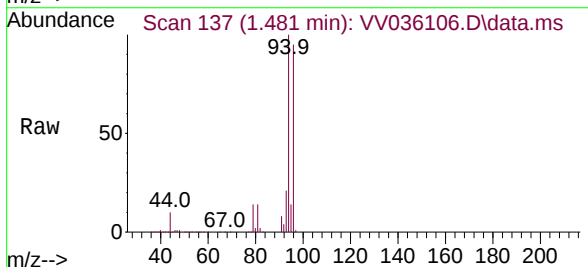
Instrument :
 MSVOA_V
 ClientSampleId :

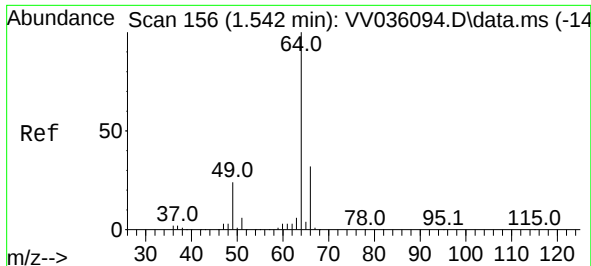
Tgt Ion: 62 Resp: 197430
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.9 42.5



#6
 Bromomethane
 Concen: 19.725 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. 0.000 min
 Lab File: VV036106.D
 Acq: 17 Jun 2024 18:05

Tgt Ion: 94 Resp: 98676
 Ion Ratio Lower Upper
 94 100
 96 94.5 65.7 122.1

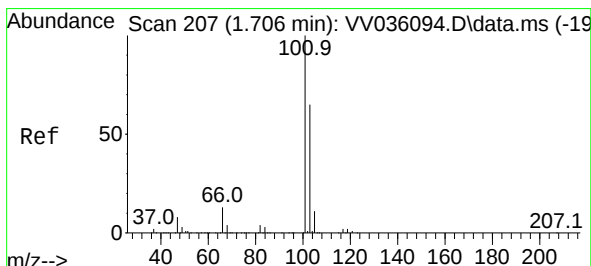
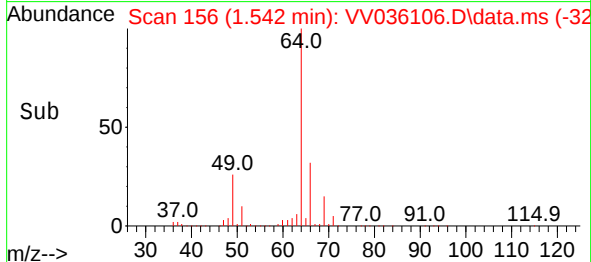
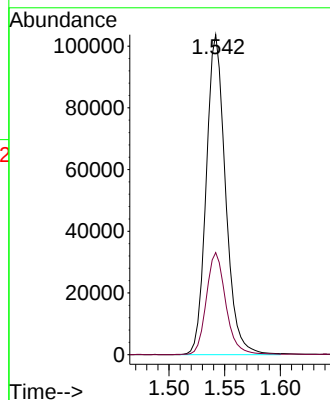
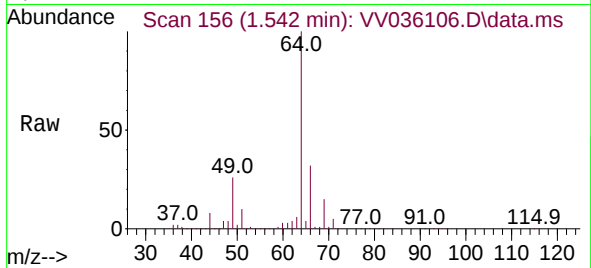




#8
Chloroethane
Concen: 24.950 ug/L
RT: 1.542 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

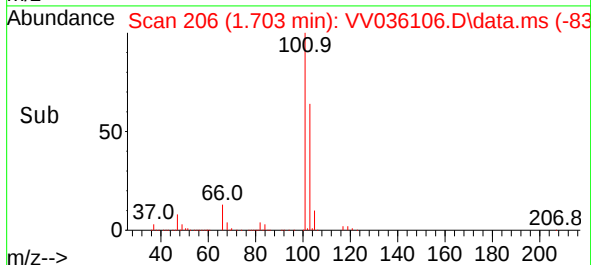
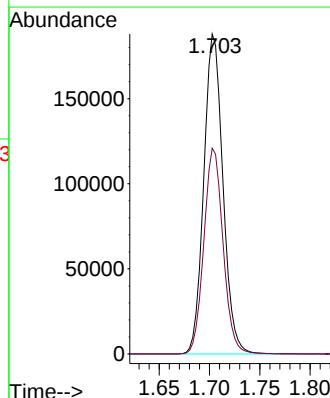
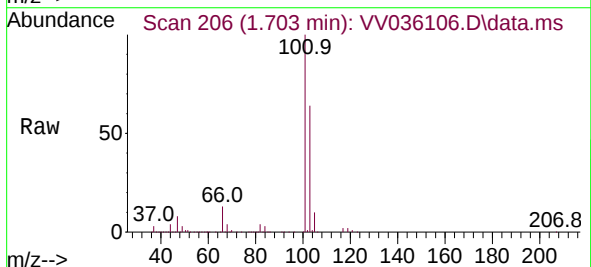
Instrument :
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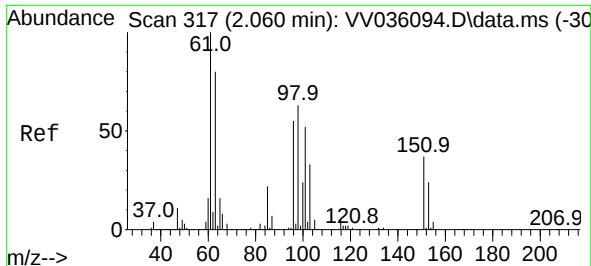
Tgt Ion: 64 Resp: 125060
Ion Ratio Lower Upper
64 100
66 31.9 22.0 41.0



#9
Trichlorofluoromethane
Concen: 24.892 ug/L
RT: 1.703 min Scan# 206
Delta R.T. -0.003 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

Tgt Ion:101 Resp: 249272
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.8





#10

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

Concen: 22.997 ug/L

RT: 2.056 min Scan# 316

Delta R.T. -0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

ClientSampleId :

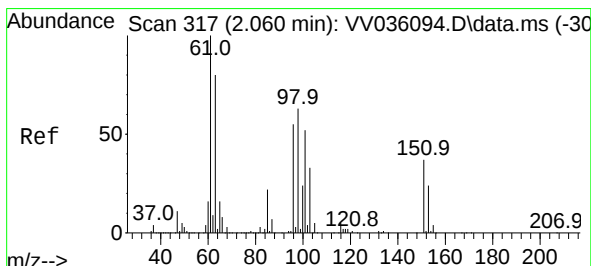
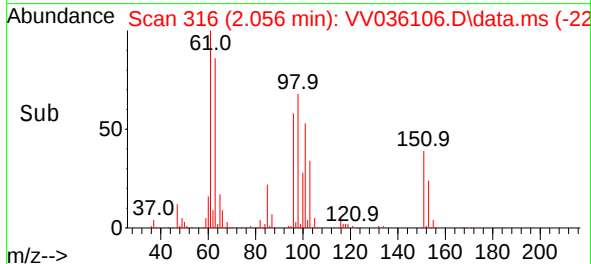
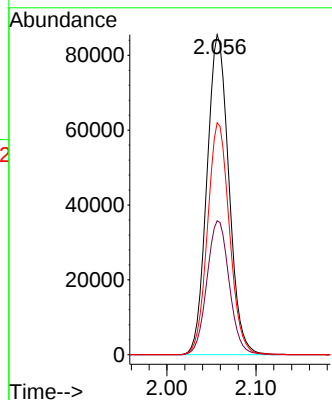
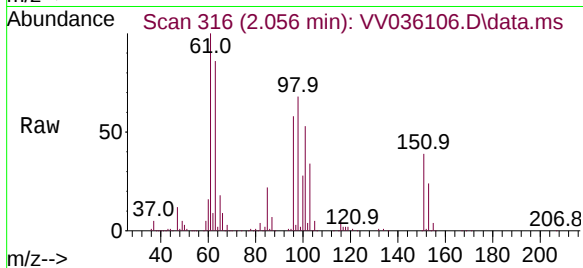
Tgt Ion:101 Resp: 146156

Ion Ratio Lower Upper

101 100

85 42.6 34.5 51.7

151 72.6 56.3 84.5



#12

1,1-Dichloroethene

Concen: 23.807 ug/L

RT: 2.060 min Scan# 317

Delta R.T. 0.000 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

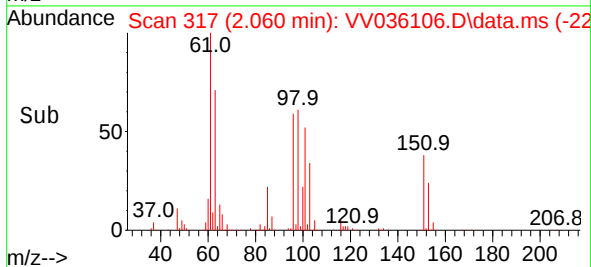
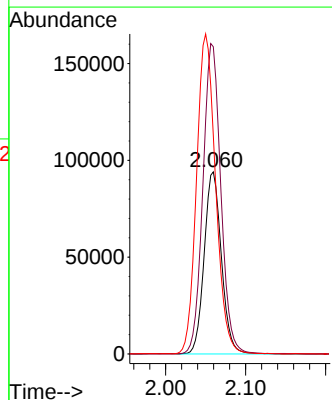
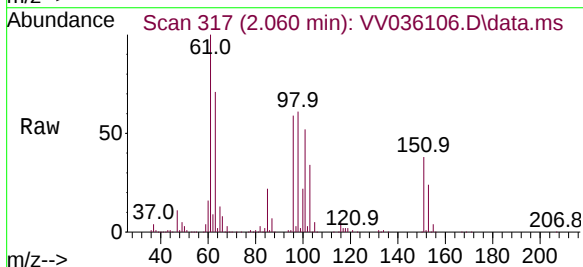
Tgt Ion: 96 Resp: 141121

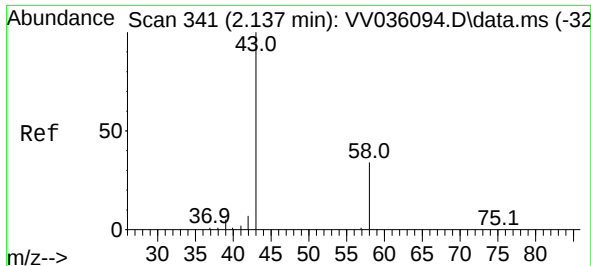
Ion Ratio Lower Upper

96 100

61 168.8 127.3 236.3

63 120.0 93.7 173.9





#13

Acetone

Concen: 20.889 ug/L

RT: 2.384 min Scan# 41

Delta R.T. 0.248 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

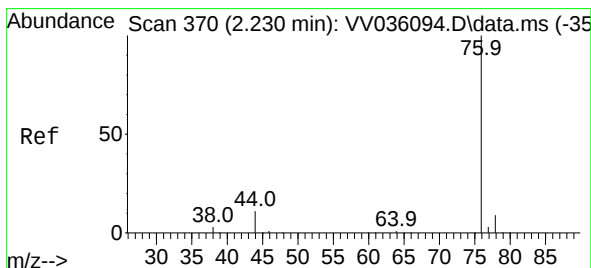
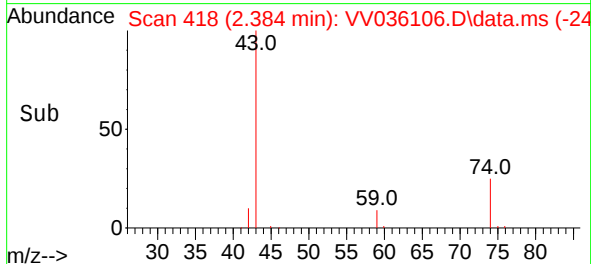
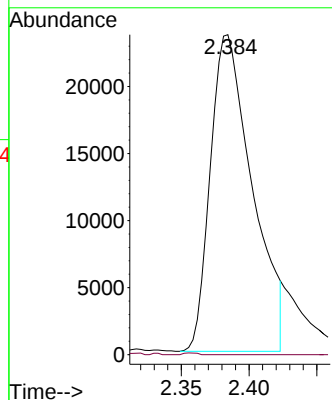
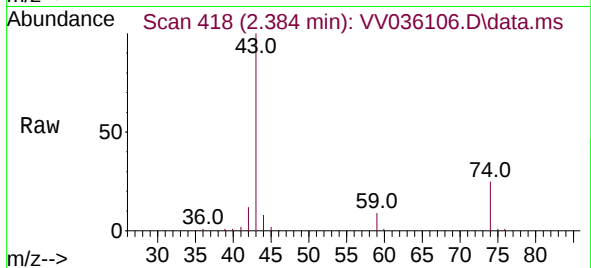
ClientSampleId :

Tgt Ion: 43 Resp: 50808

Ion Ratio Lower Upper

43 100

58 0.2 0.0 24.2



#14

Carbon disulfide

Concen: 22.083 ug/L

RT: 2.230 min Scan# 370

Delta R.T. 0.000 min

Lab File: VV036106.D

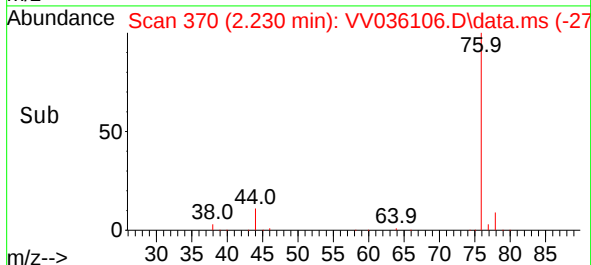
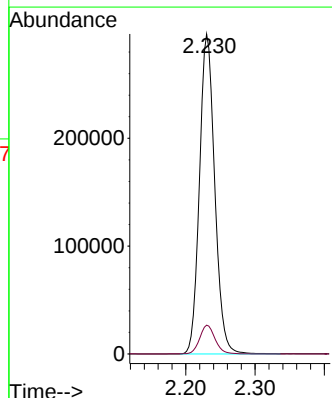
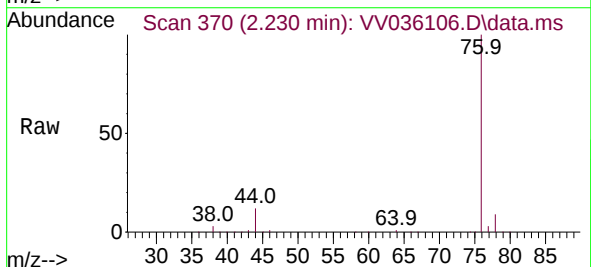
Acq: 17 Jun 2024 18:05

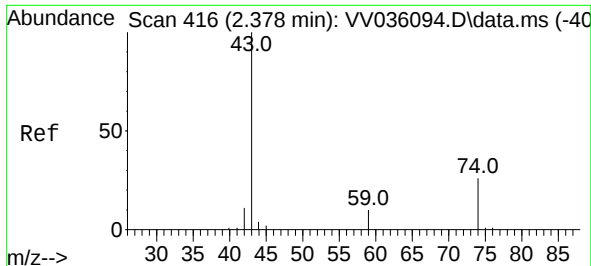
Tgt Ion: 76 Resp: 454570

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





#15

Methyl Acetate

Concen: 19.185 ug/L

RT: 2.384 min Scan# 416

Delta R.T. 0.006 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

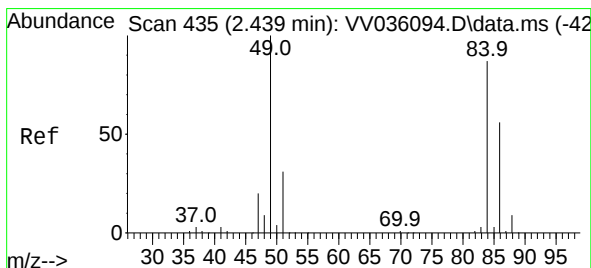
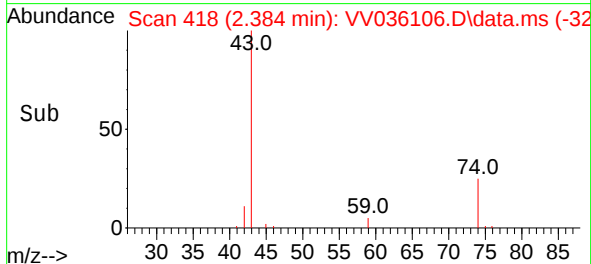
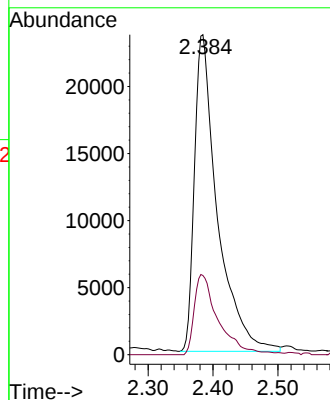
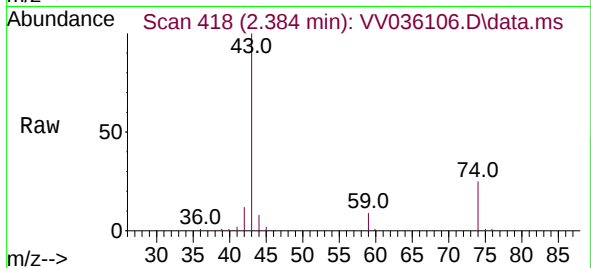
ClientSampleId :

Tgt Ion: 43 Resp: 58000

Ion Ratio Lower Upper

43 100

74 26.5 21.4 32.2



#16

Methylene chloride

Concen: 35.197 ug/L

RT: 2.439 min Scan# 435

Delta R.T. 0.000 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

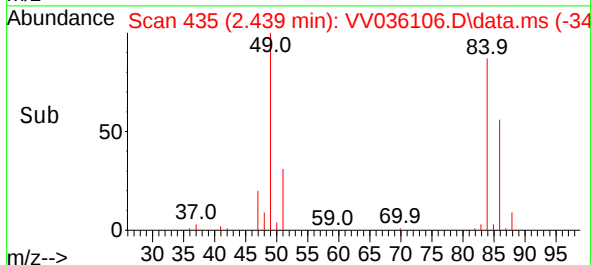
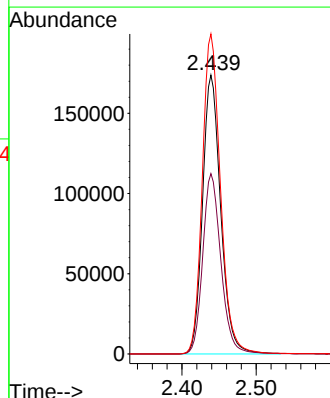
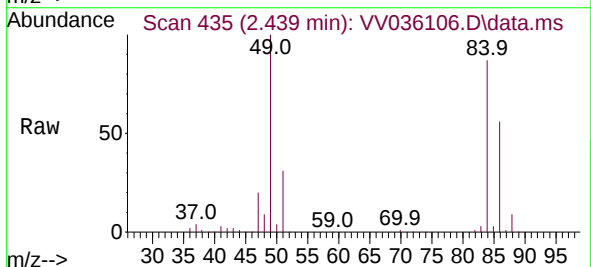
Tgt Ion: 84 Resp: 294814

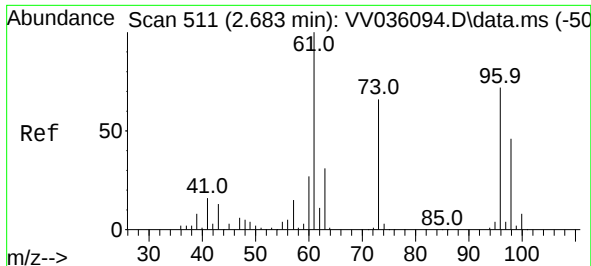
Ion Ratio Lower Upper

84 100

86 64.6 44.6 82.8

49 114.8 81.1 150.5





#17

trans-1,2-Dichloroethene

Concen: 22.908 ug/L

RT: 2.687 min Scan# 511

Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

ClientSampleId :

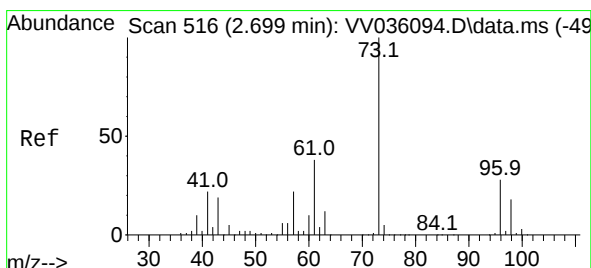
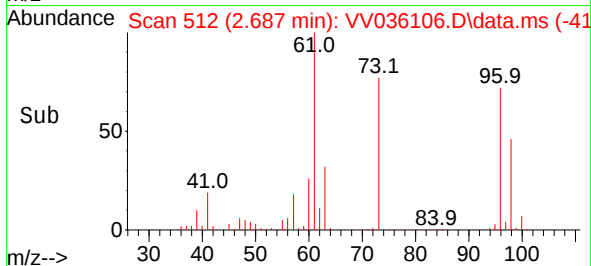
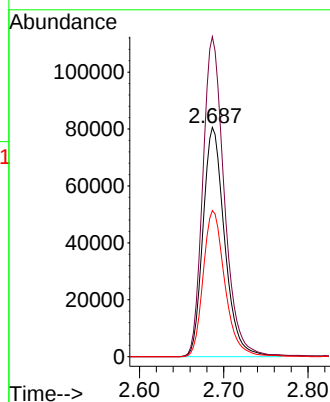
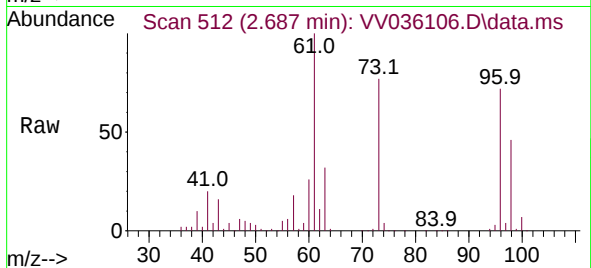
Tgt Ion: 96 Resp: 144247

Ion Ratio Lower Upper

96 100

61 139.6 99.4 184.6

98 63.7 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 26.834 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

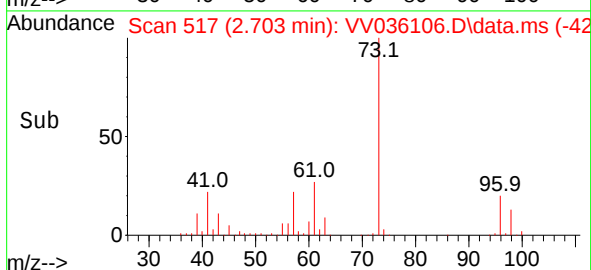
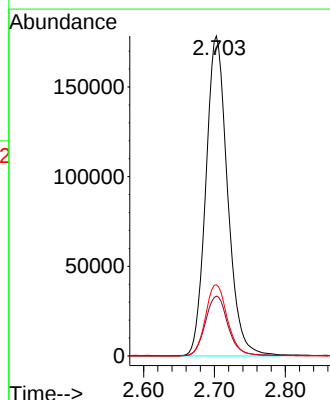
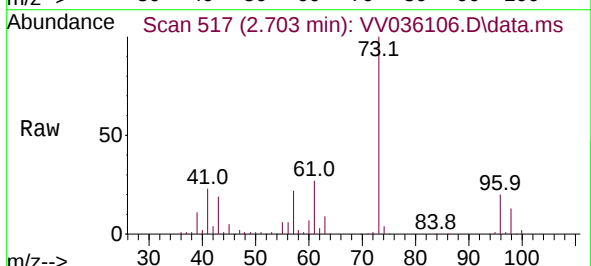
Tgt Ion: 73 Resp: 379331

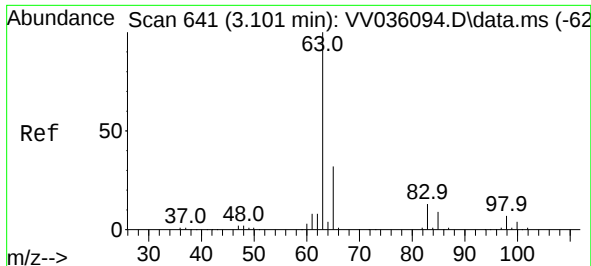
Ion Ratio Lower Upper

73 100

43 19.3 14.3 21.5

57 22.8 17.8 26.6

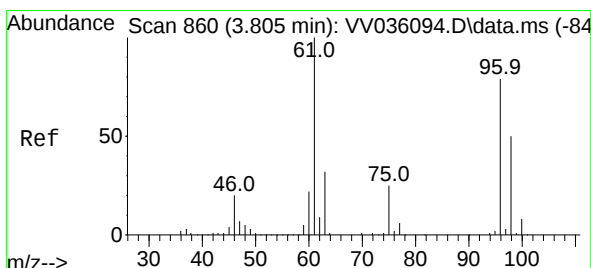
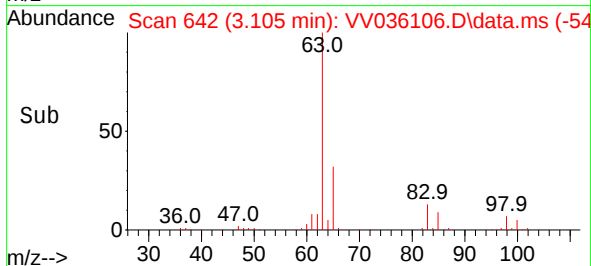
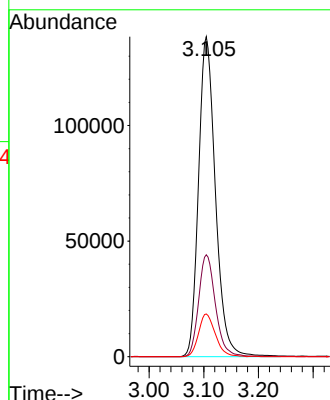
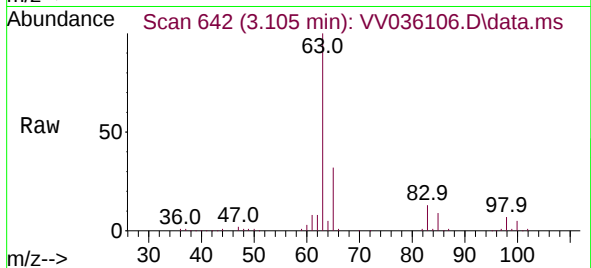




#19
1,1-Dichloroethane
Concen: 24.752 ug/L
RT: 3.105 min Scan# 641
Delta R.T. 0.003 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

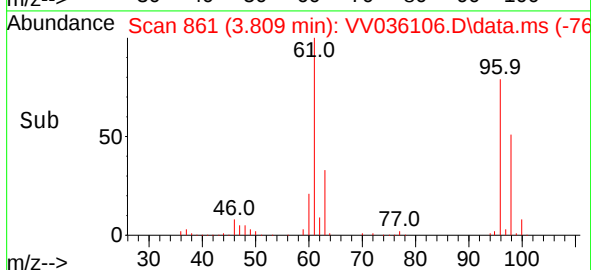
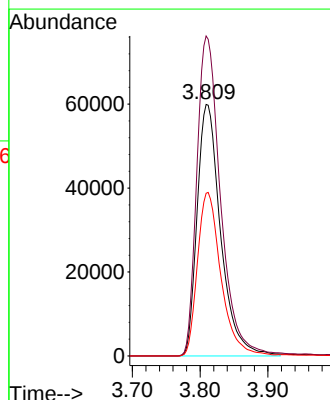
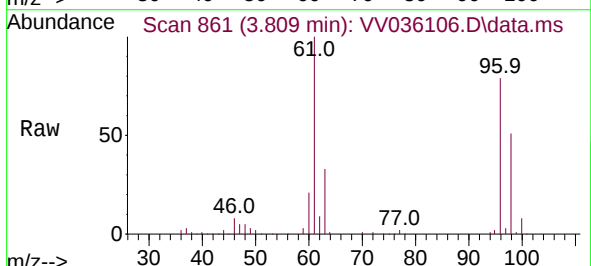
Instrument :
MSVOA_V
ClientSampleId :

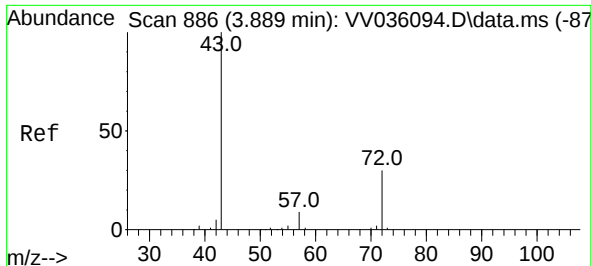
Tgt Ion: 63 Resp: 296816
Ion Ratio Lower Upper
63 100
65 31.8 22.4 41.6
83 13.3 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 22.862 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.003 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

Tgt Ion: 96 Resp: 144648
Ion Ratio Lower Upper
96 100
61 127.2 87.9 163.3
98 64.7 44.4 82.5

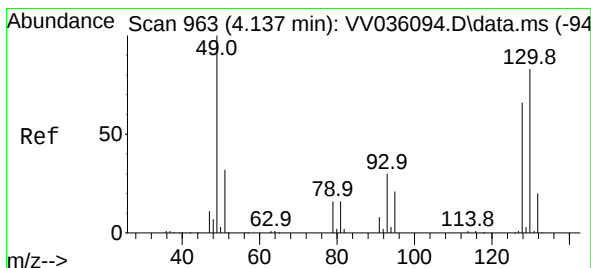
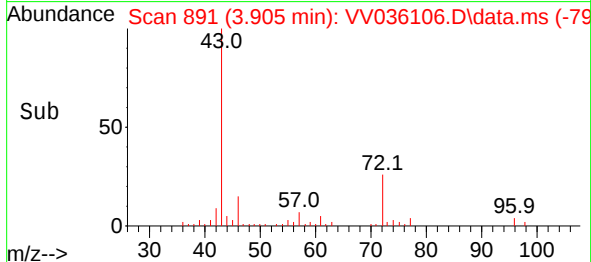
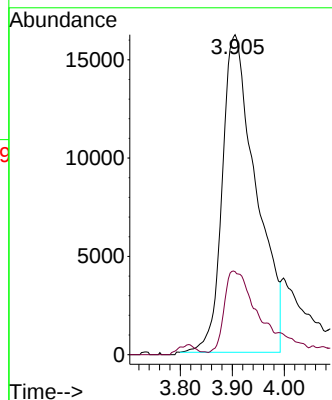
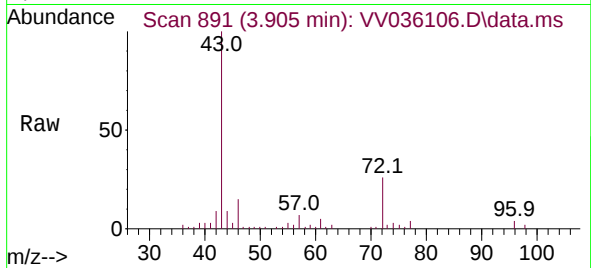




#22
2-Butanone
Concen: 35.402 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.016 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

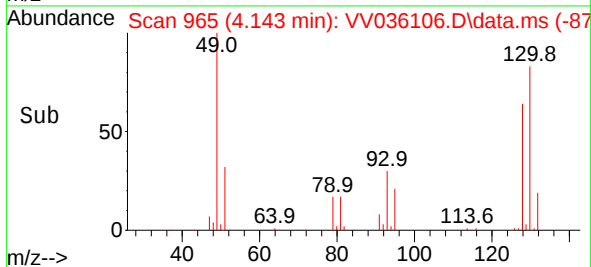
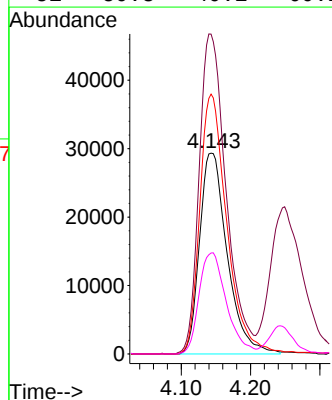
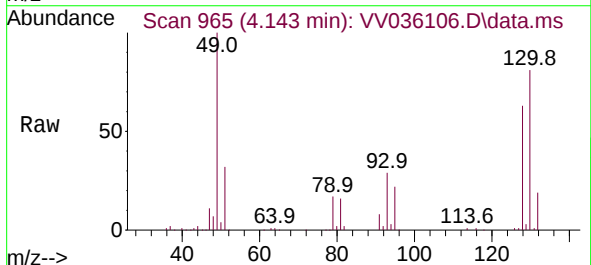
Instrument :
MSVOA_V
ClientSampleId :

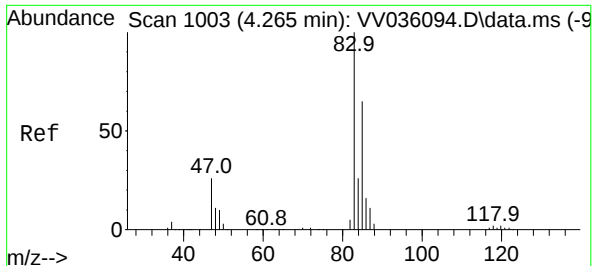
Tgt Ion: 43 Resp: 73064
Ion Ratio Lower Upper
43 100
72 21.4 8.2 24.4



#23
Bromochloromethane
Concen: 25.635 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.006 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

Tgt Ion:128 Resp: 81358
Ion Ratio Lower Upper
128 100
49 159.3 110.2 204.6
130 129.4 90.2 167.4
51 50.3 40.2 60.2





#25

Chloroform

Concen: 24.448 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.006 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

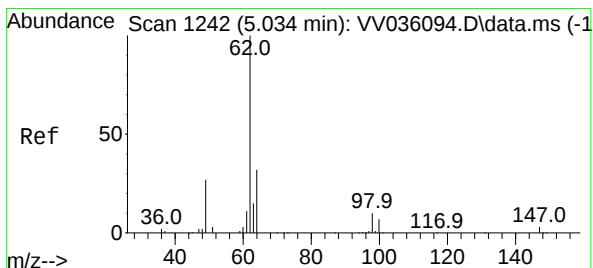
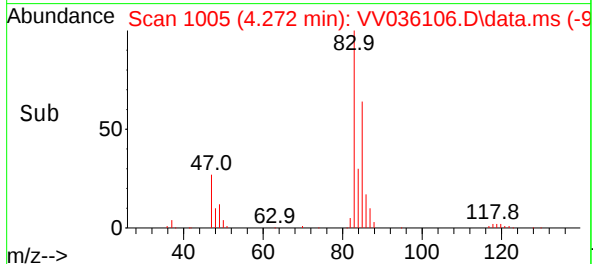
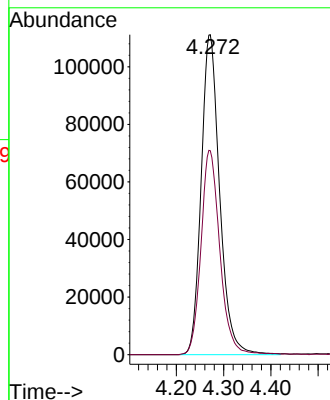
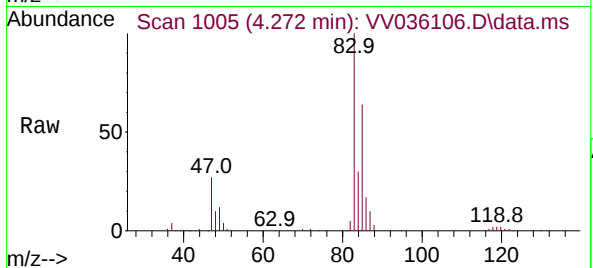
ClientSampleId :

Tgt Ion: 83 Resp: 301570

Ion Ratio Lower Upper

83 100

85 63.8 45.2 84.0



#27

1,2-Dichloroethane

Concen: 26.182 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV036106.D

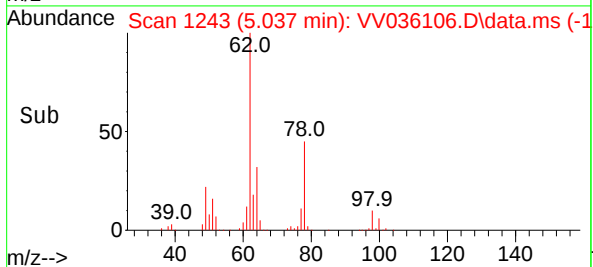
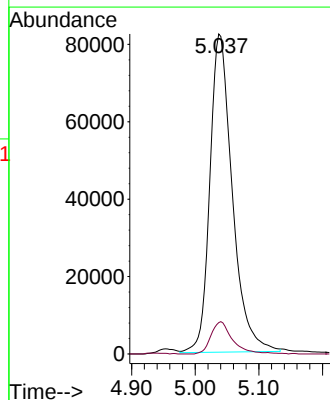
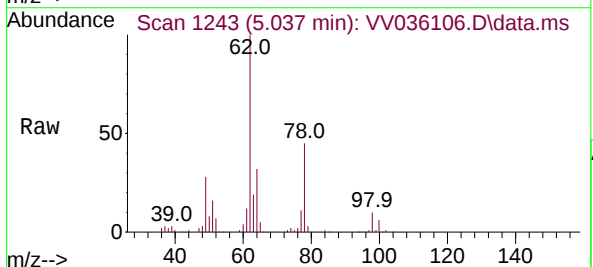
Acq: 17 Jun 2024 18:05

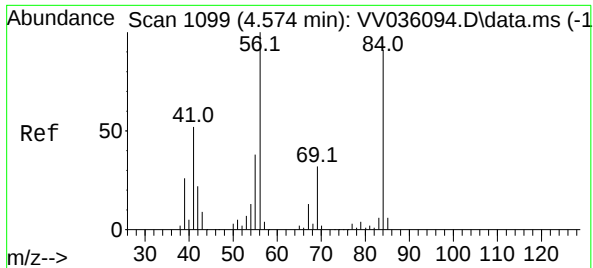
Tgt Ion: 62 Resp: 201627

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.6





#29

Cyclohexane

Concen: 21.594 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

ClientSampleId :

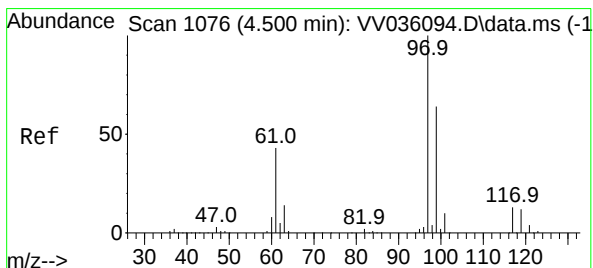
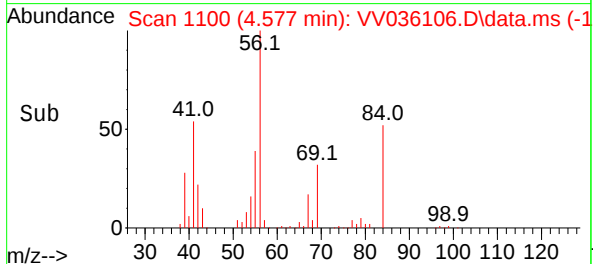
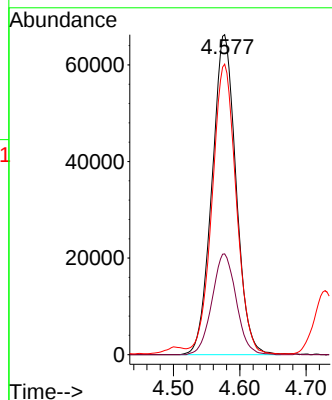
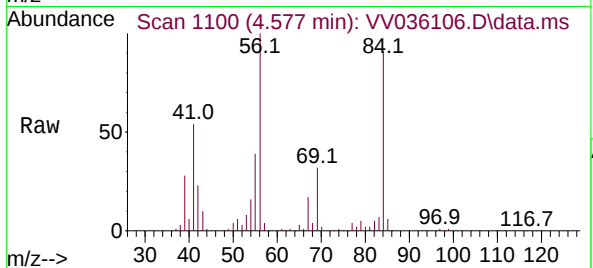
Tgt Ion: 56 Resp: 166618

Ion Ratio Lower Upper

56 100

69 31.7 25.2 37.8

84 90.4 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 26.840 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

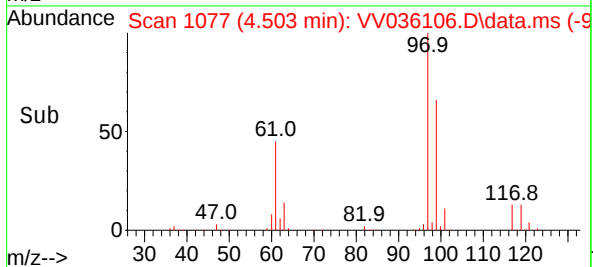
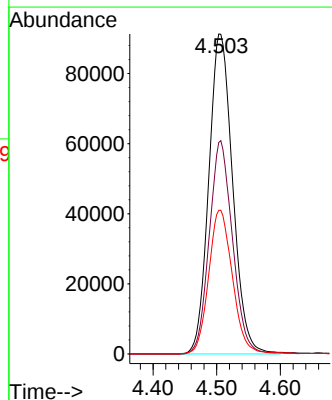
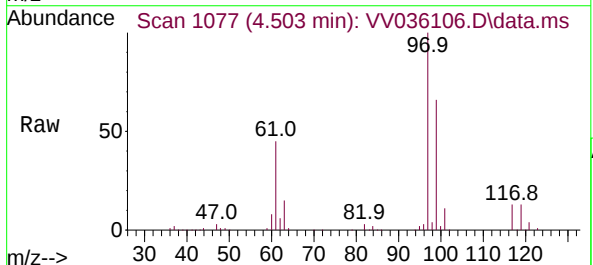
Tgt Ion: 97 Resp: 237785

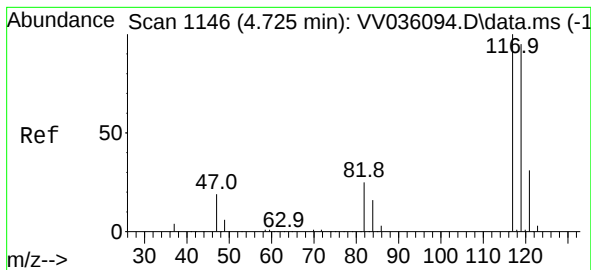
Ion Ratio Lower Upper

97 100

99 64.9 50.9 76.3

61 44.7 35.0 52.6





#31

Carbon tetrachloride

Concen: 25.724 ug/L

RT: 4.728 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

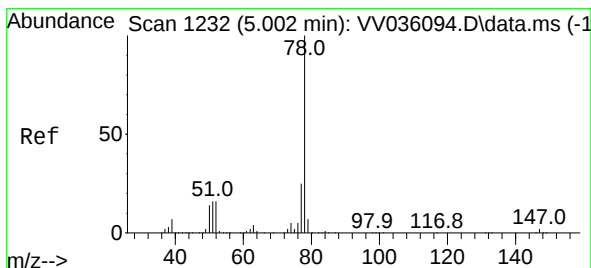
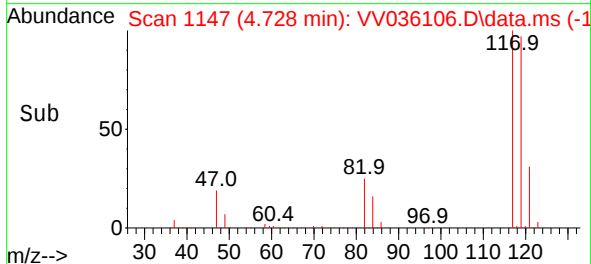
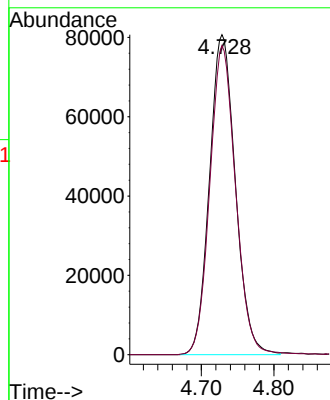
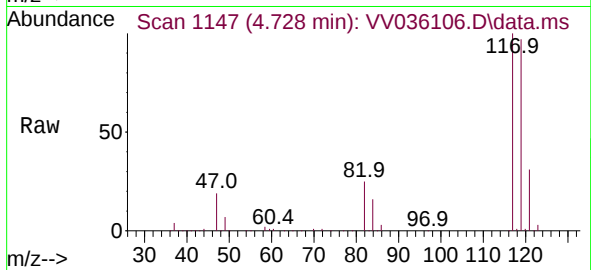
ClientSampleId :

Tgt Ion:117 Resp: 199932

Ion Ratio Lower Upper

117 100

119 96.1 76.8 115.2



#33

Benzene

Concen: 28.217 ug/L

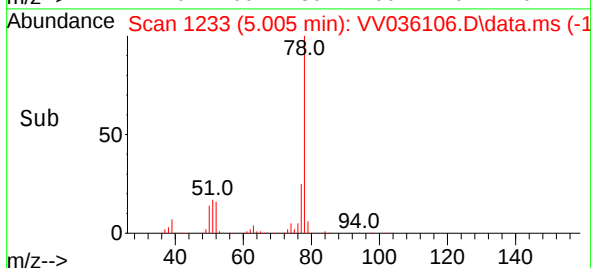
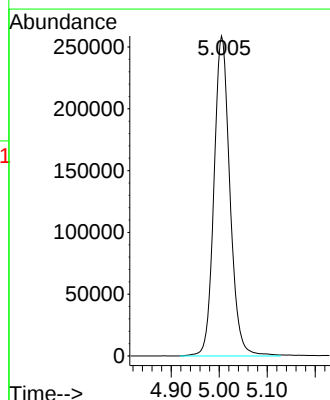
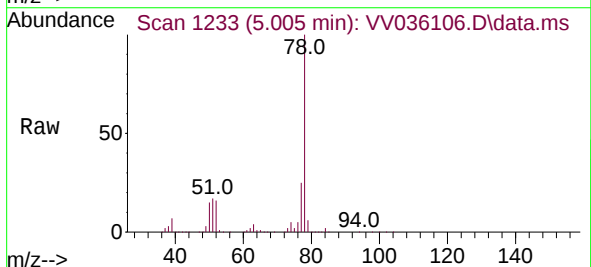
RT: 5.005 min Scan# 1233

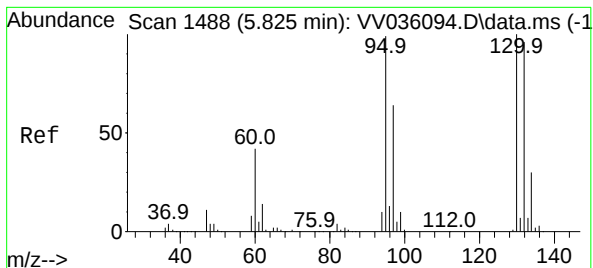
Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Tgt Ion: 78 Resp: 598068





#34

Trichloroethene

Concen: 24.588 ug/L

RT: 5.831 min Scan# 1488

Delta R.T. 0.006 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 159721

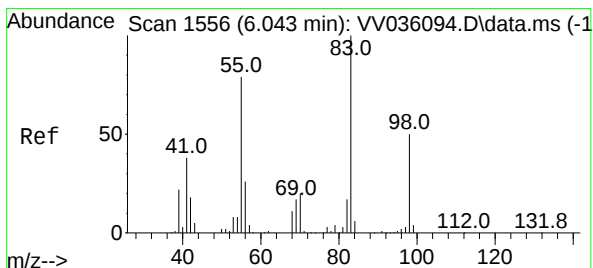
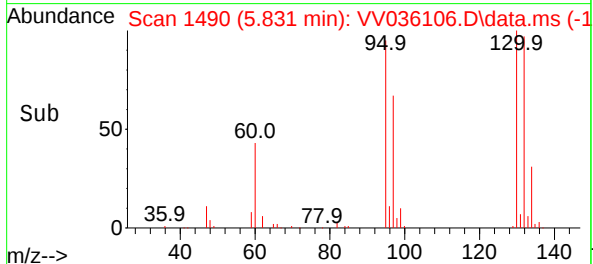
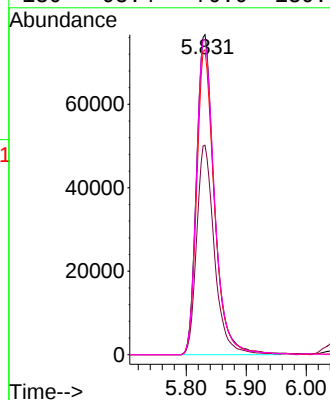
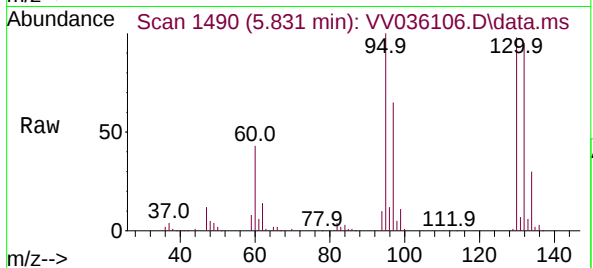
Ion Ratio Lower Upper

95 100

97 65.5 44.8 83.2

132 95.2 66.8 124.2

130 98.4 70.0 130.0



#35

Methylcyclohexane

Concen: 18.552 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

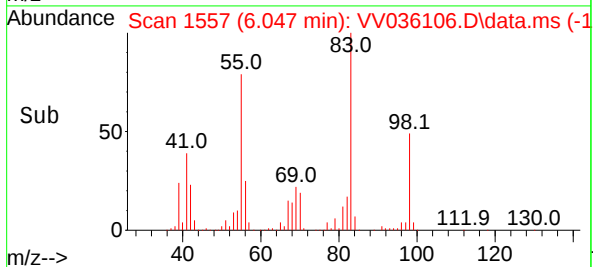
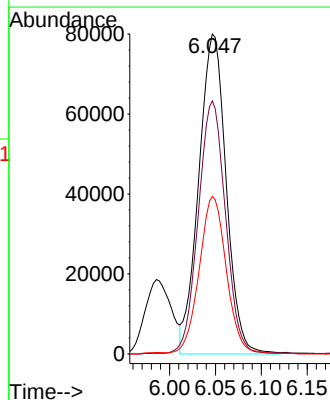
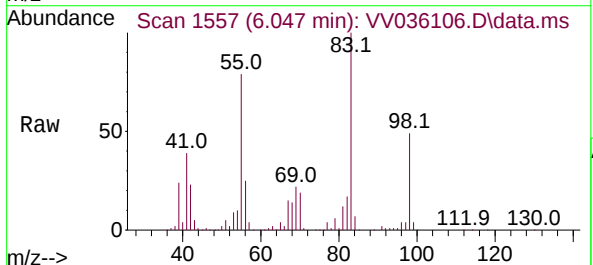
Tgt Ion: 83 Resp: 166660

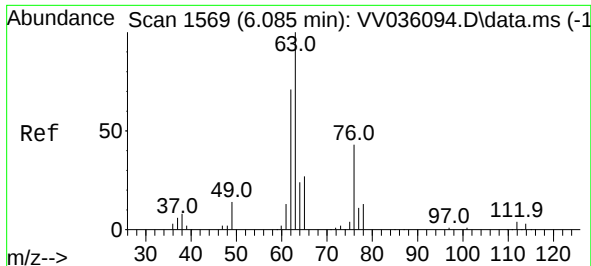
Ion Ratio Lower Upper

83 100

55 77.9 60.7 91.1

98 48.4 38.7 58.1

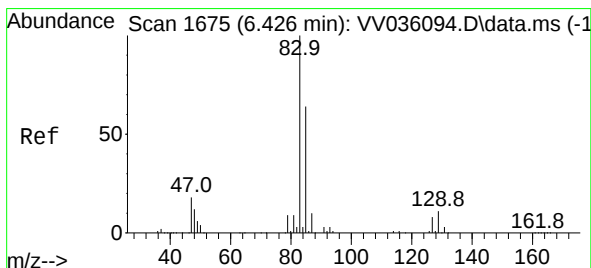
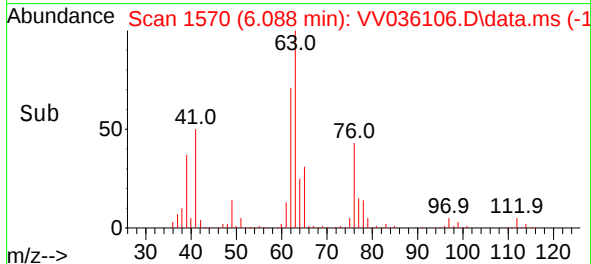
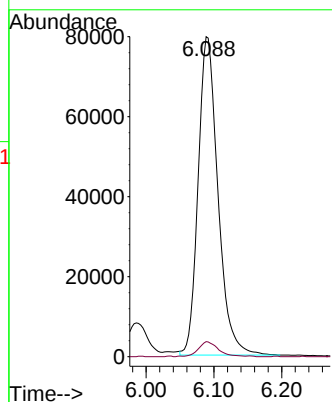
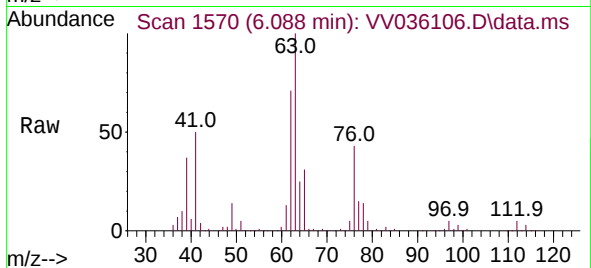




#37
1,2-Dichloropropane
Concen: 29.056 ug/L
RT: 6.088 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

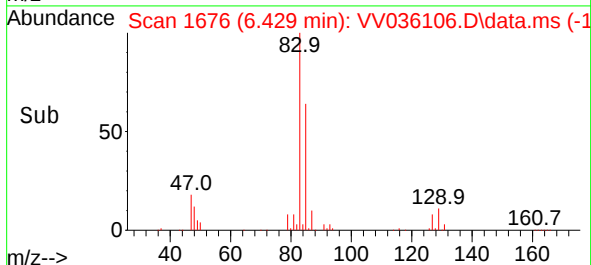
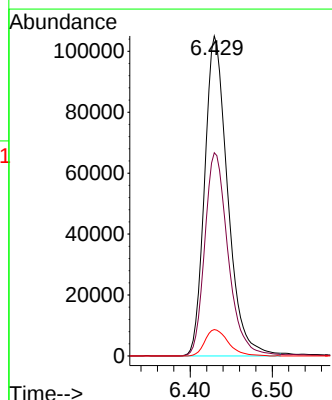
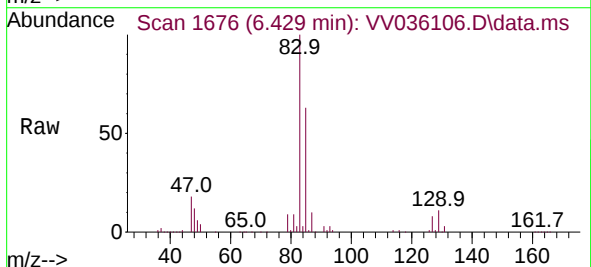
Instrument :
MSVOA_V
ClientSampleId :

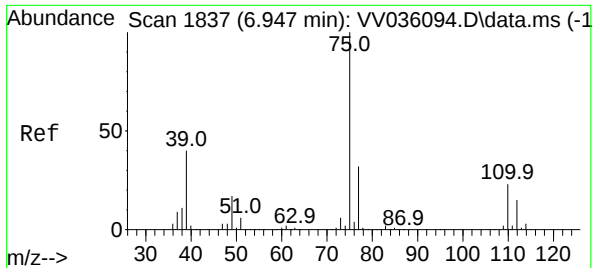
Tgt Ion: 63 Resp: 161709
Ion Ratio Lower Upper
63 100
112 4.7 3.5 5.3



#38
Bromodichloromethane
Concen: 27.854 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

Tgt Ion: 83 Resp: 205175
Ion Ratio Lower Upper
83 100
85 63.5 45.3 84.1
127 8.3 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 22.103 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.007 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

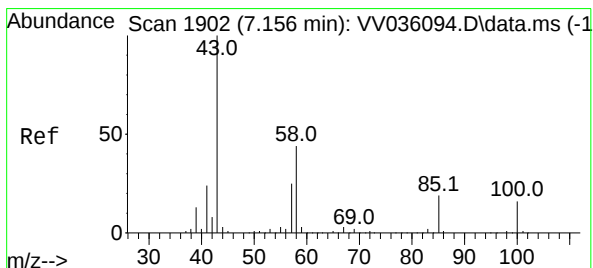
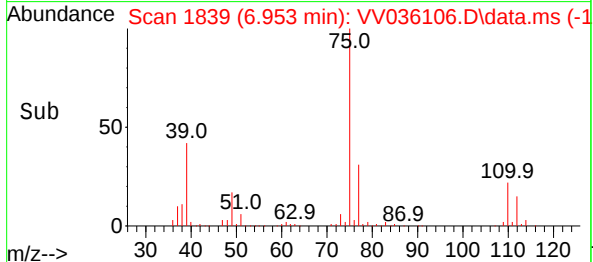
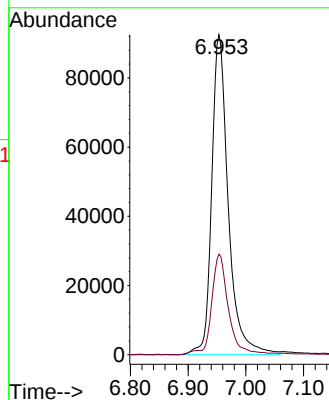
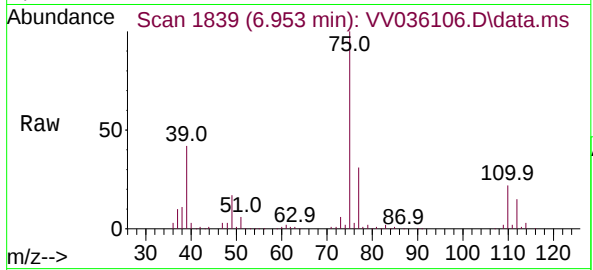
ClientSampleId :

Tgt Ion: 75 Resp: 183987

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 61.201 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

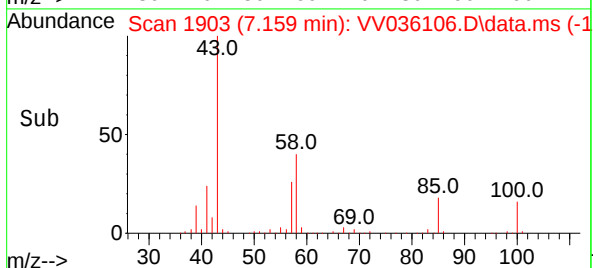
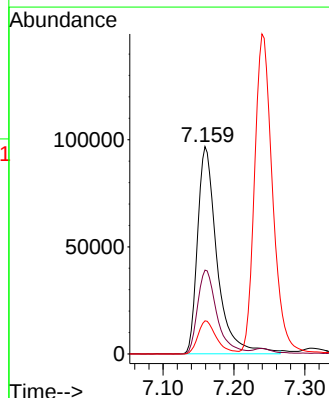
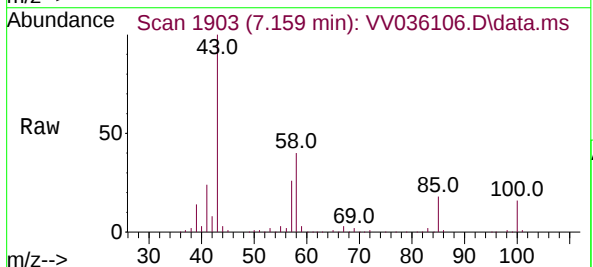
Tgt Ion: 43 Resp: 185052

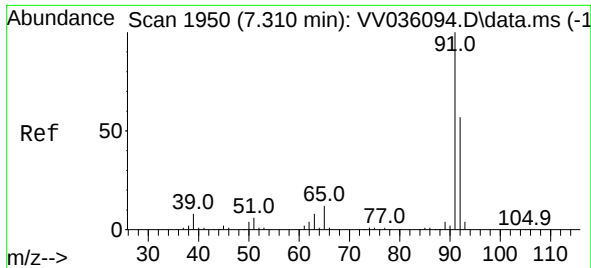
Ion Ratio Lower Upper

43 100

58 40.2 32.5 48.7

100 15.3 12.5 18.7





#42

Toluene

Concen: 25.962 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

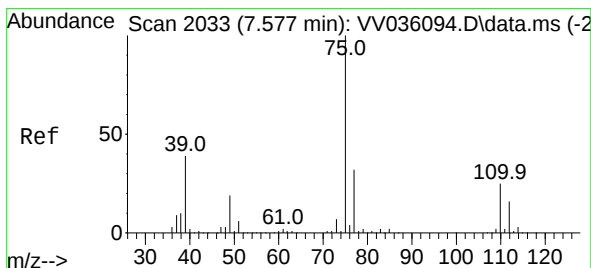
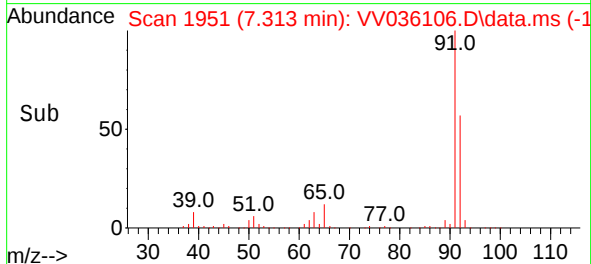
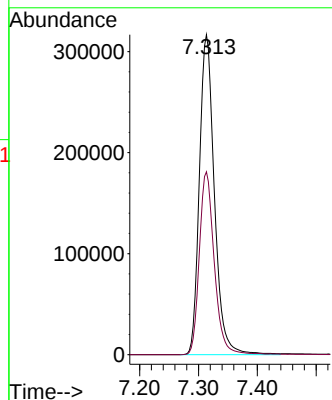
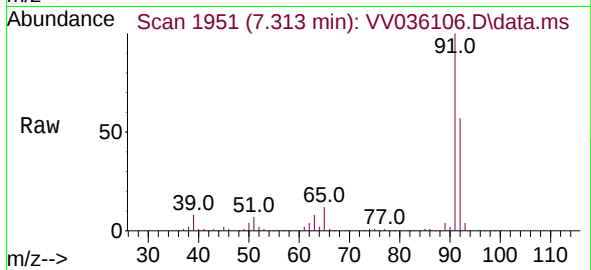
ClientSampleId :

Tgt Ion: 91 Resp: 562278

Ion Ratio Lower Upper

91 100

92 57.1 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 23.754 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV036106.D

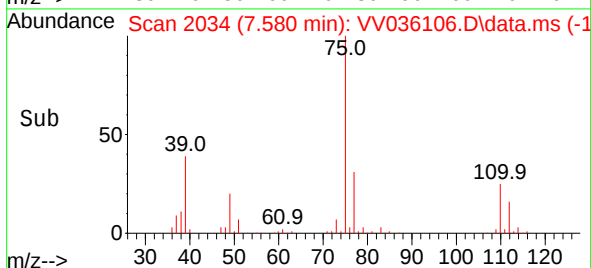
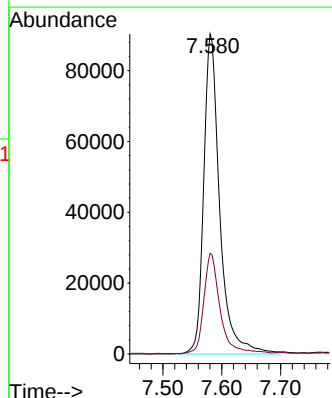
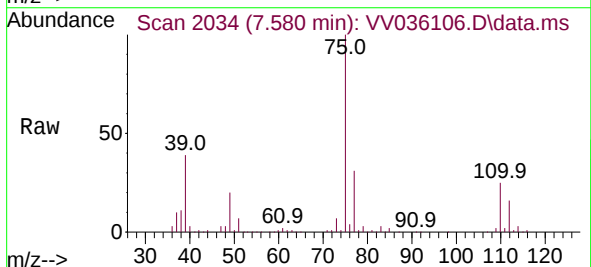
Acq: 17 Jun 2024 18:05

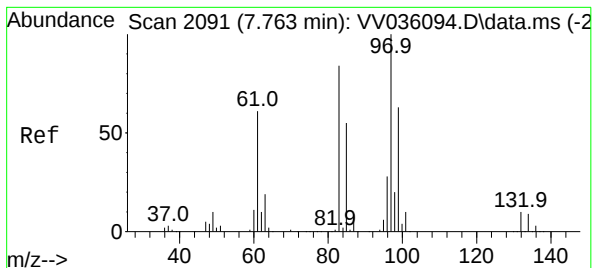
Tgt Ion: 75 Resp: 170786

Ion Ratio Lower Upper

75 100

77 31.4 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 27.810 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 128063

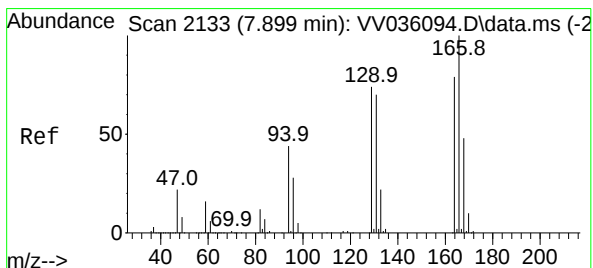
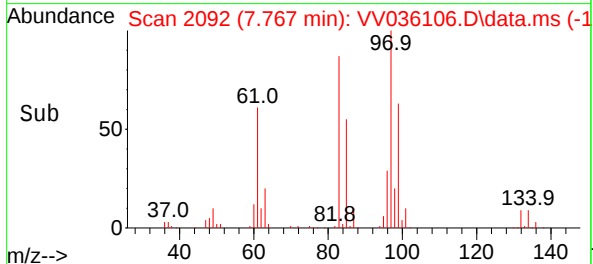
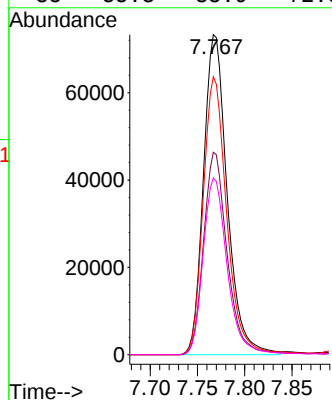
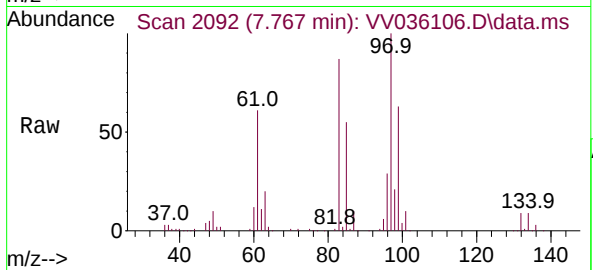
Ion Ratio Lower Upper

97 100

99 63.3 43.3 80.5

83 86.8 60.1 111.7

85 55.3 38.9 72.3



#46

Tetrachloroethene

Concen: 20.790 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.007 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Tgt Ion:164 Resp: 98773

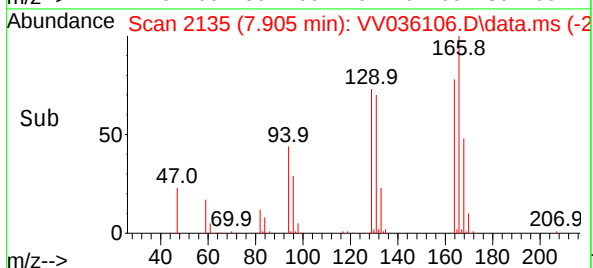
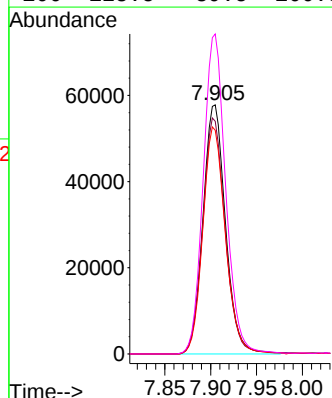
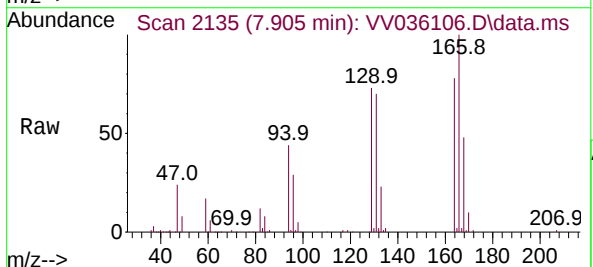
Ion Ratio Lower Upper

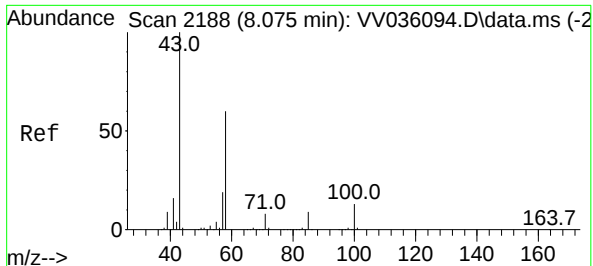
164 100

129 93.4 64.6 120.0

131 89.8 63.2 117.4

166 128.5 89.5 166.3

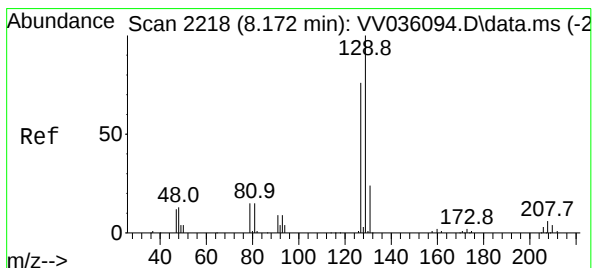
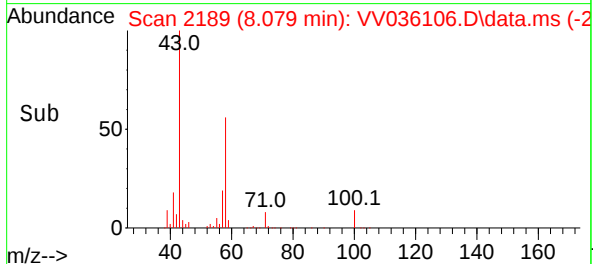
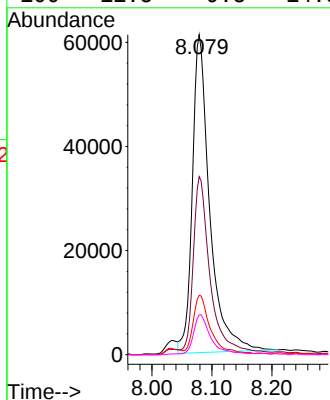
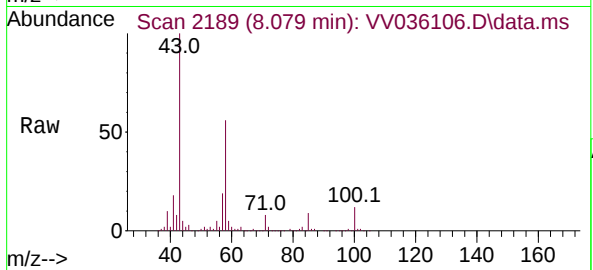




#48
2-Hexanone
Concen: 52.249 ug/L
RT: 8.079 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

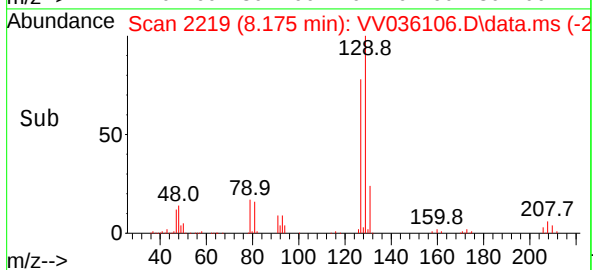
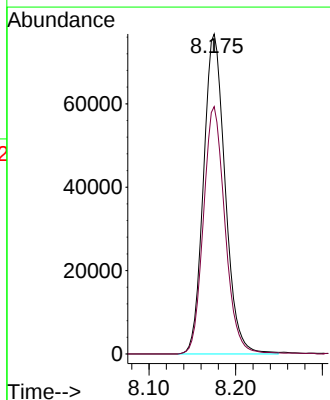
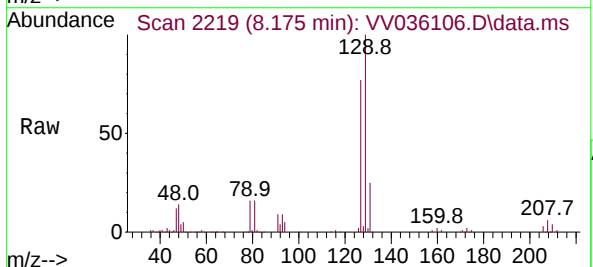
Instrument :
MSVOA_V
ClientSampleId :

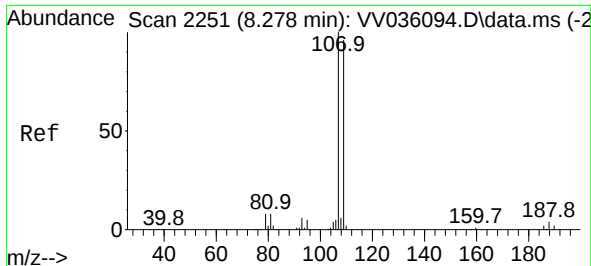
Tgt Ion: 43 Resp: 123509
Ion Ratio Lower Upper
43 100
58 52.1 45.4 68.0
57 17.4 15.8 23.8
100 11.5 9.8 14.8



#49
Dibromochloromethane
Concen: 26.458 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.003 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

Tgt Ion:129 Resp: 133341
Ion Ratio Lower Upper
129 100
127 77.3 53.9 100.1

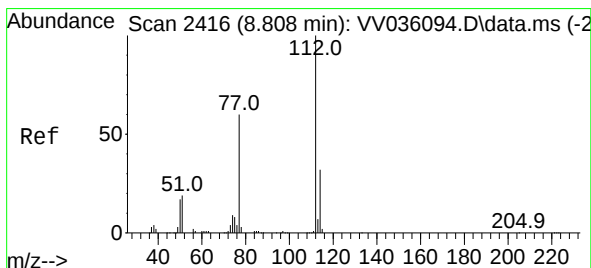
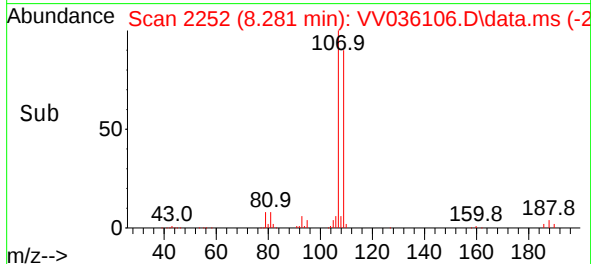
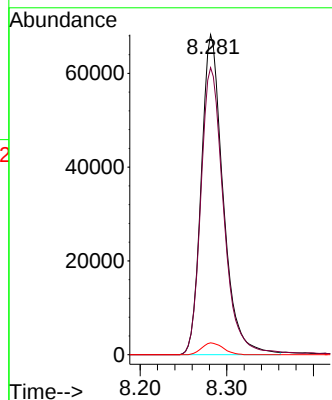
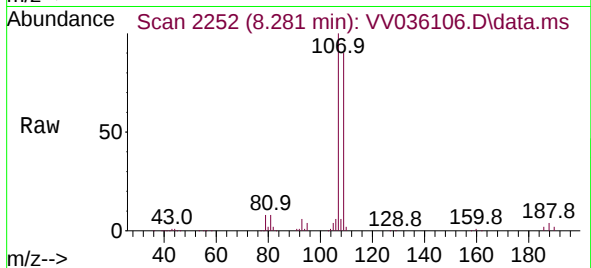




#50
1,2-Dibromoethane
Concen: 27.093 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

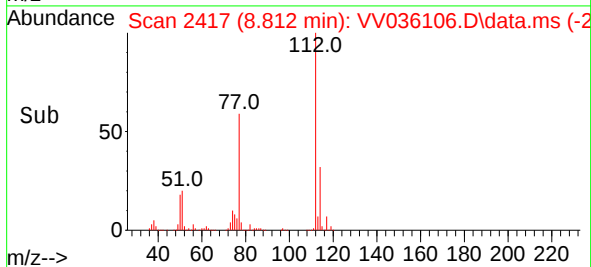
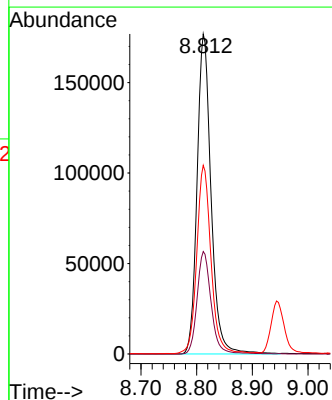
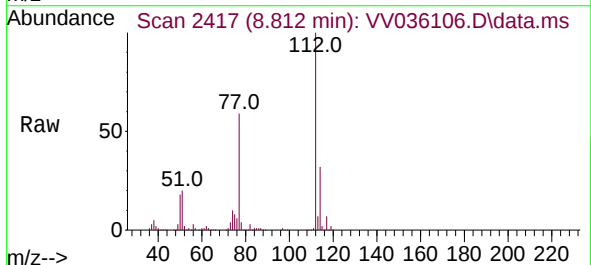
Instrument :
MSVOA_V
ClientSampleId :

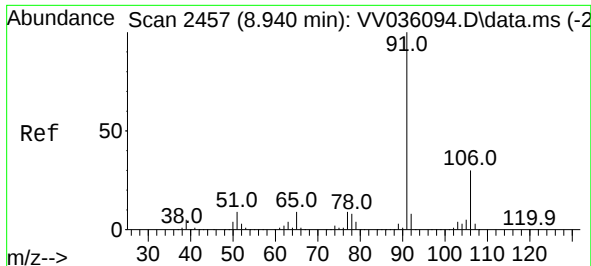
Tgt Ion:107 Resp: 119710
Ion Ratio Lower Upper
107 100
109 89.7 66.1 122.7
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 20.919 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

Tgt Ion:112 Resp: 308684
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.5
77 58.9 47.3 70.9





#52

Ethylbenzene

Concen: 21.103 ug/L

RT: 8.947 min Scan# 2457

Delta R.T. 0.007 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

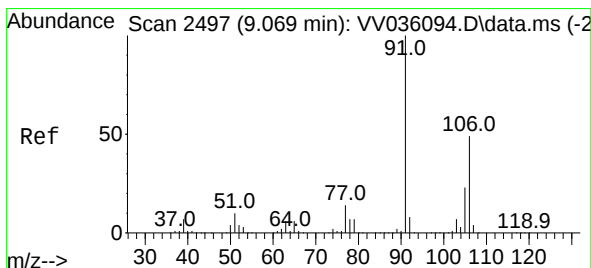
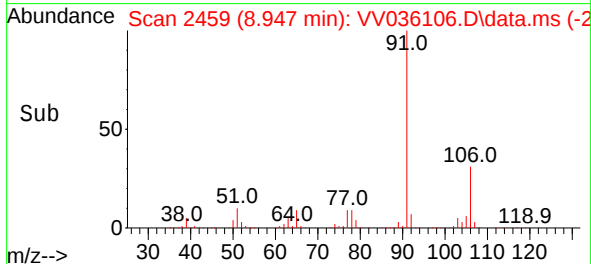
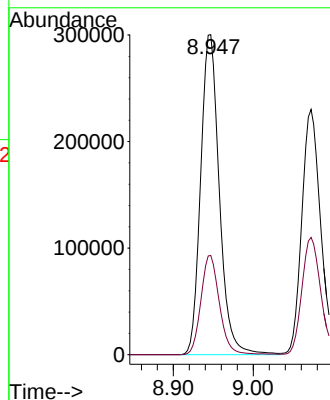
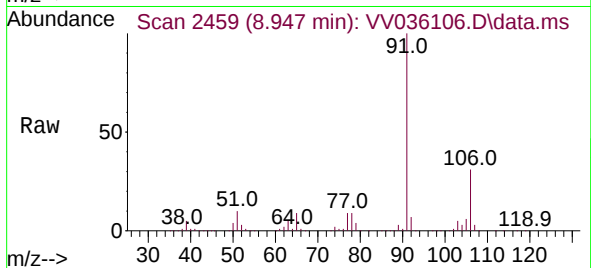
ClientSampleId :

Tgt Ion: 91 Resp: 488986

Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.0



#53

m,p-Xylene

Concen: 20.823 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV036106.D

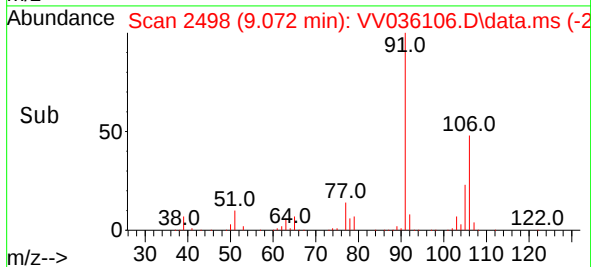
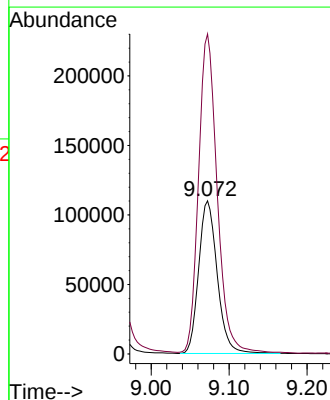
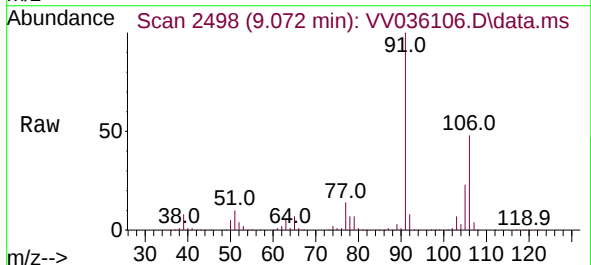
Acq: 17 Jun 2024 18:05

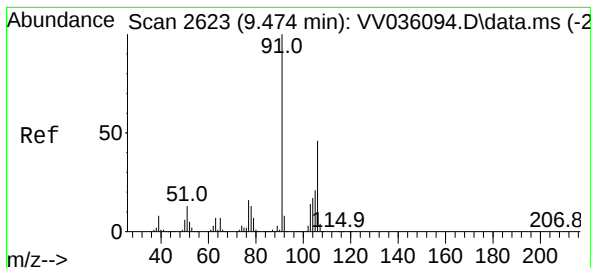
Tgt Ion:106 Resp: 181298

Ion Ratio Lower Upper

106 100

91 209.0 143.1 265.9





#54

o-Xylene

Concen: 20.228 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

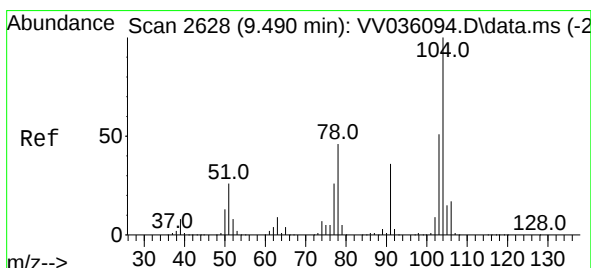
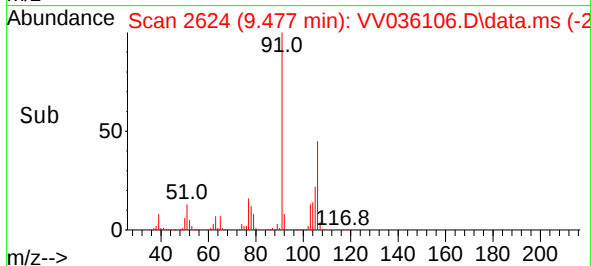
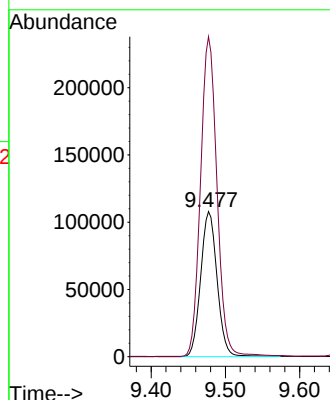
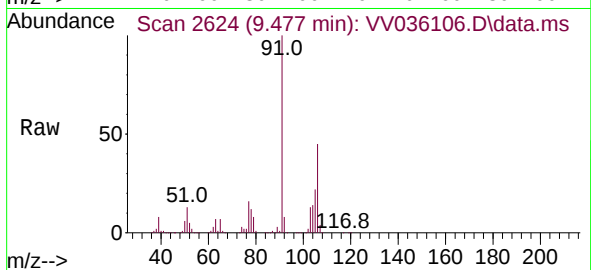
ClientSampleId :

Tgt Ion:106 Resp: 166083

Ion Ratio Lower Upper

106 100

91 220.6 154.5 286.9



#55

Styrene

Concen: 19.347 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.003 min

Lab File: VV036106.D

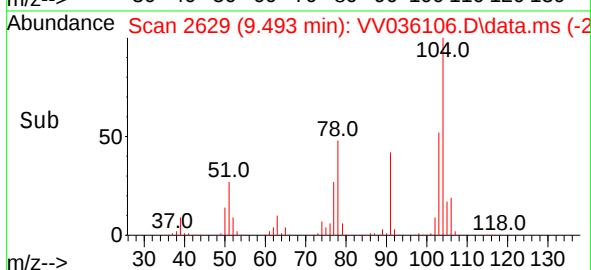
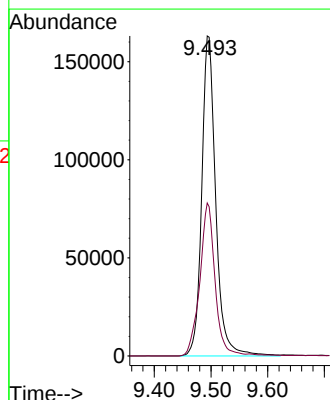
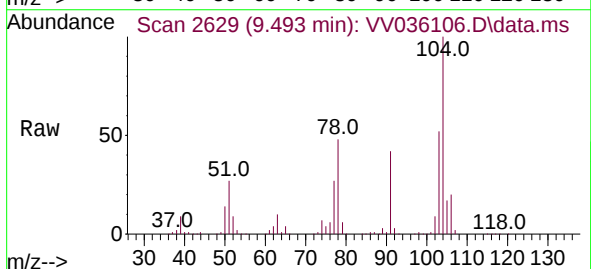
Acq: 17 Jun 2024 18:05

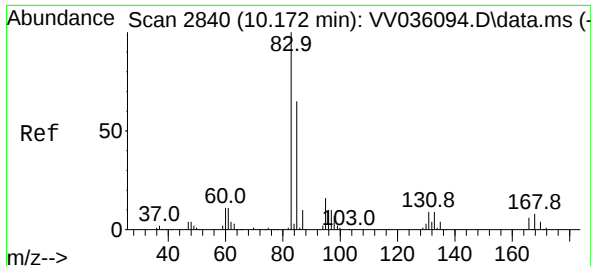
Tgt Ion:104 Resp: 280124

Ion Ratio Lower Upper

104 100

78 47.8 31.4 58.2

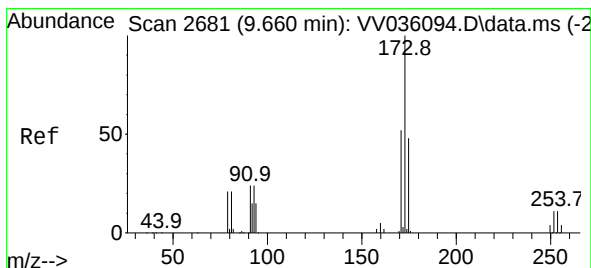
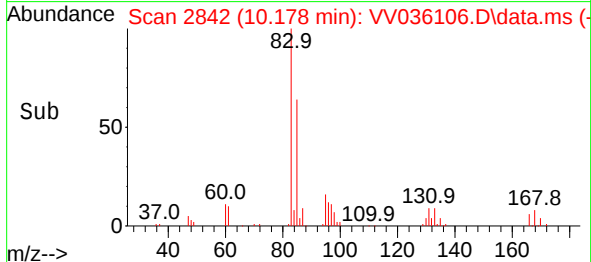
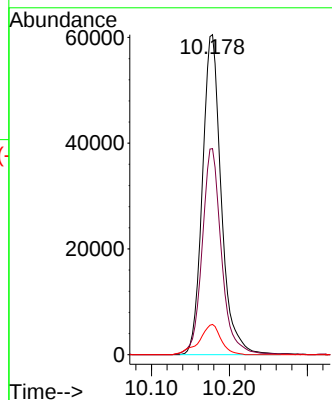
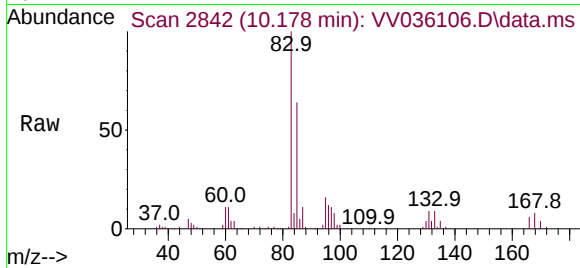




#57
1,1,2,2-Tetrachloroethane
Concen: 24.665 ug/L
RT: 10.178 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

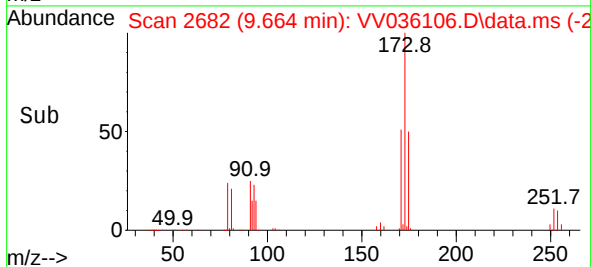
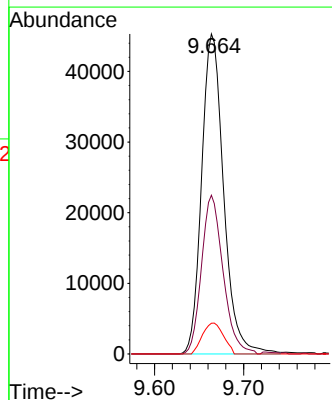
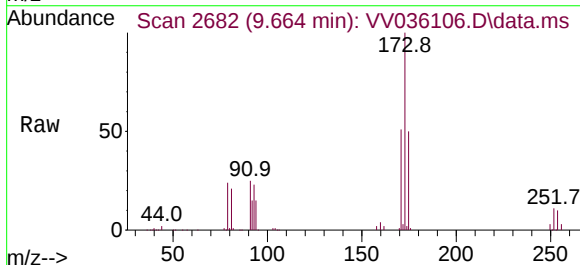
Instrument :
MSVOA_V
ClientSampleId :

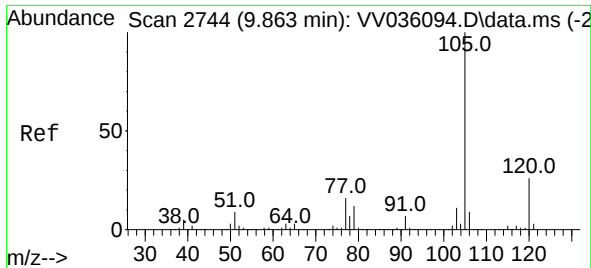
Tgt Ion: 83 Resp: 101702
Ion Ratio Lower Upper
83 100
85 64.4 45.1 83.7
131 9.5 7.6 11.4



#59
Bromoform
Concen: 37.448 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.003 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

Tgt Ion: 173 Resp: 77751
Ion Ratio Lower Upper
173 100
175 48.5 39.0 58.6
254 9.2 8.6 13.0

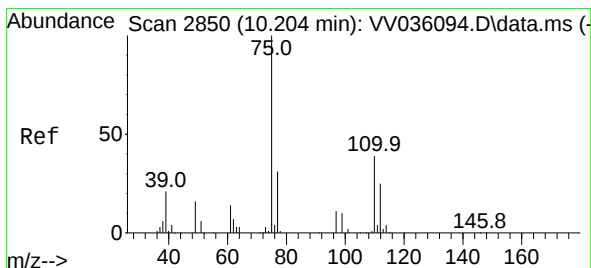
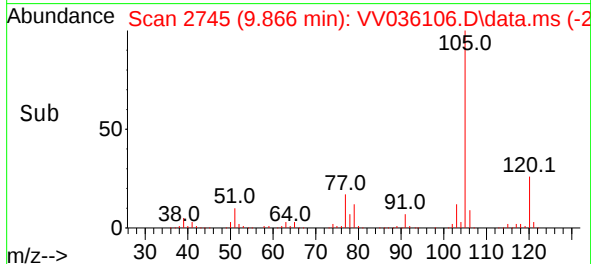
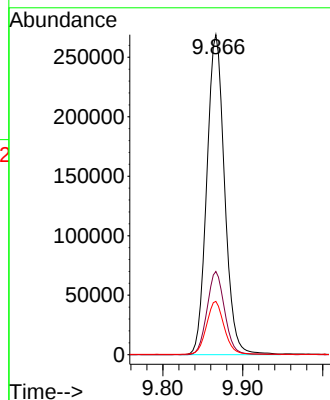
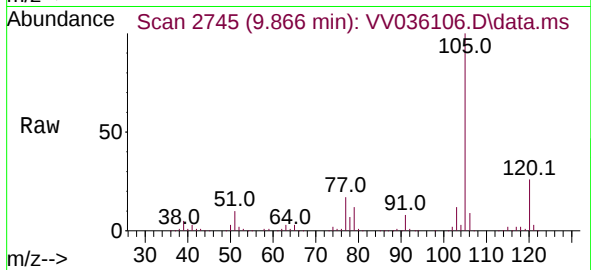




#60
Isopropylbenzene
Concen: 29.517 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

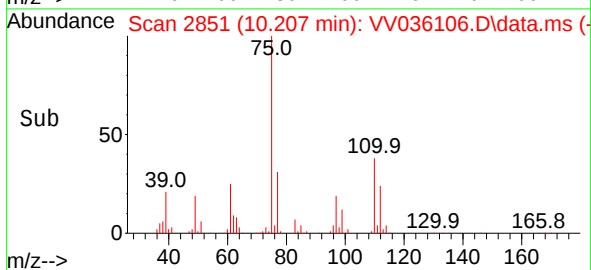
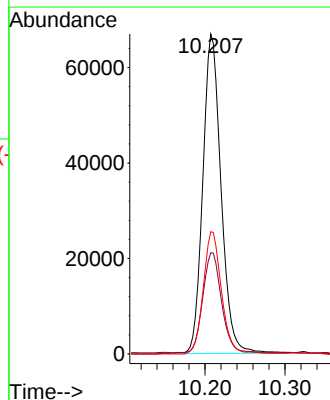
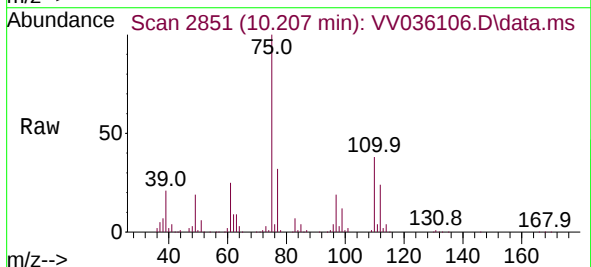
Instrument :
MSVOA_V
ClientSampleId :

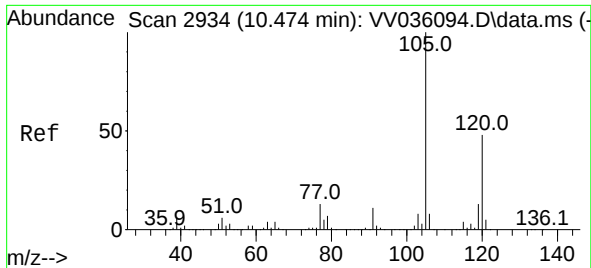
Tgt Ion:105 Resp: 416914
Ion Ratio Lower Upper
105 100
120 25.6 21.0 31.6
77 16.4 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 40.819 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.003 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

Tgt Ion: 75 Resp: 106286
Ion Ratio Lower Upper
75 100
77 31.9 26.0 39.0
110 37.8 32.2 48.4

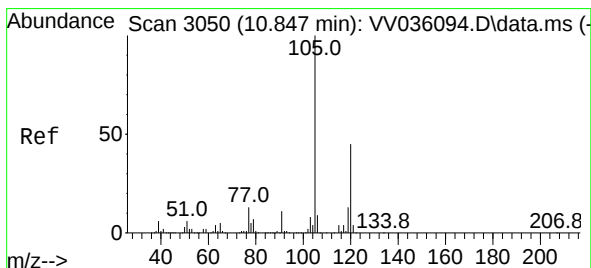
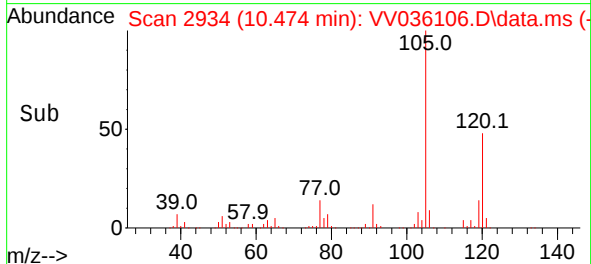
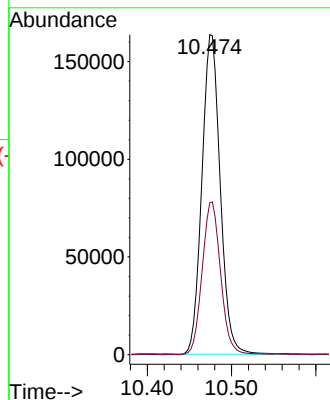
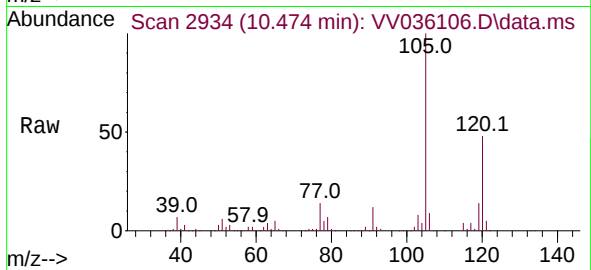




#62
1,3,5-Trimethylbenzene
Concen: 24.229 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. 0.000 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

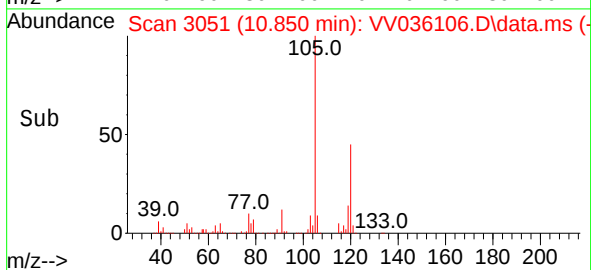
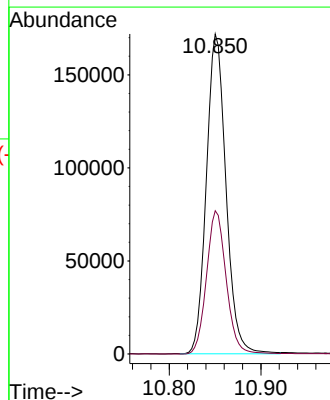
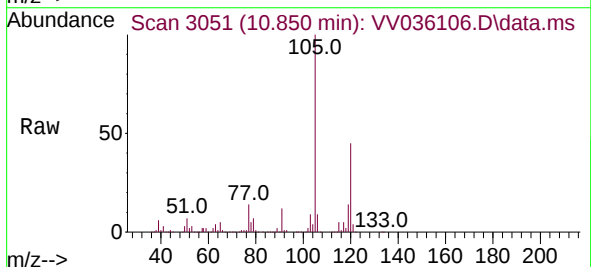
Instrument :
MSVOA_V
ClientSampleId :

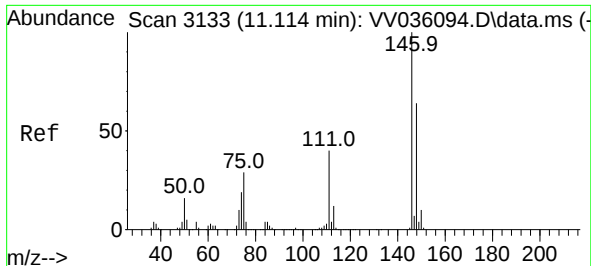
Tgt Ion:105 Resp: 248155
Ion Ratio Lower Upper
105 100
120 48.1 38.6 58.0



#63
1,2,4-Trimethylbenzene
Concen: 23.135 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

Tgt Ion:105 Resp: 255298
Ion Ratio Lower Upper
105 100
120 45.0 36.2 54.4

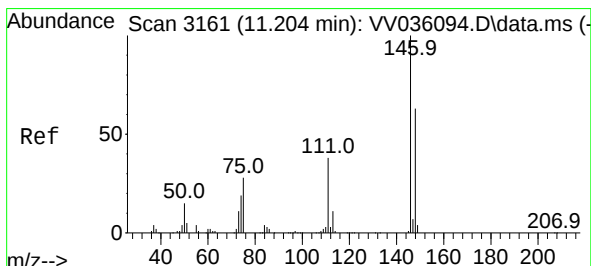
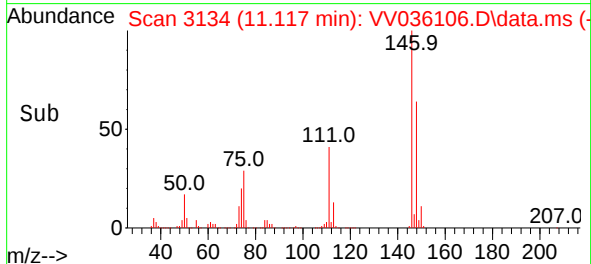
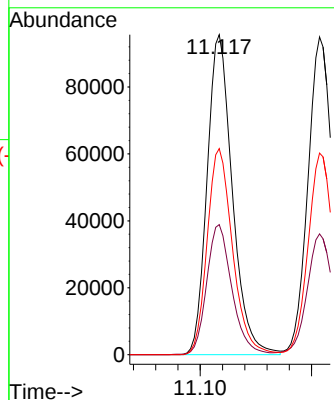
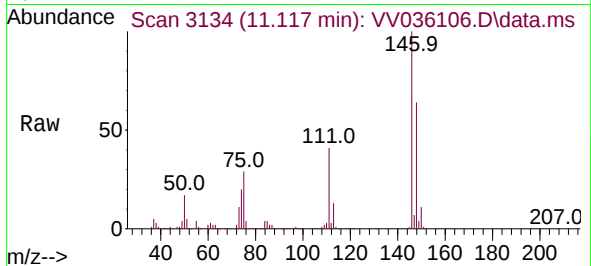




#64
1,3-Dichlorobenzene
Concen: 20.286 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

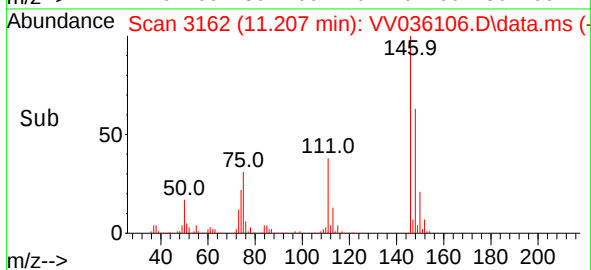
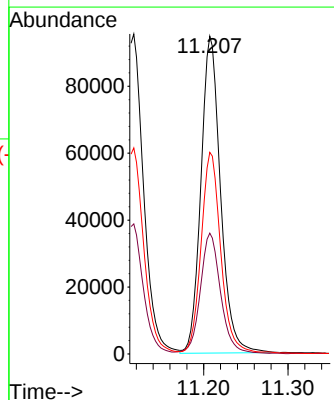
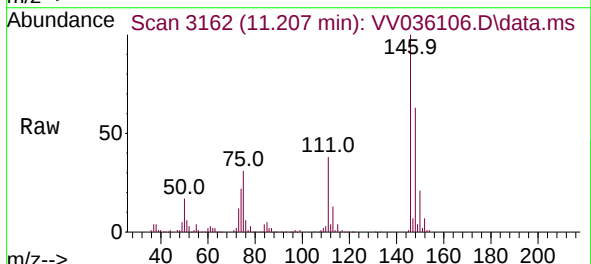
Instrument :
MSVOA_V
ClientSampleId :

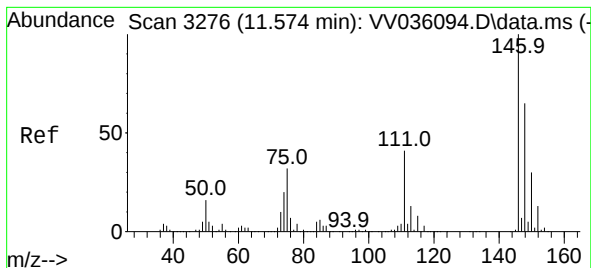
Tgt Ion:146 Resp: 150477
Ion Ratio Lower Upper
146 100
111 40.6 28.1 52.1
148 64.4 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 20.085 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VV036106.D
Acq: 17 Jun 2024 18:05

Tgt Ion:146 Resp: 153780
Ion Ratio Lower Upper
146 100
111 38.0 26.9 50.1
148 63.5 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 18.666 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

ClientSampleId :

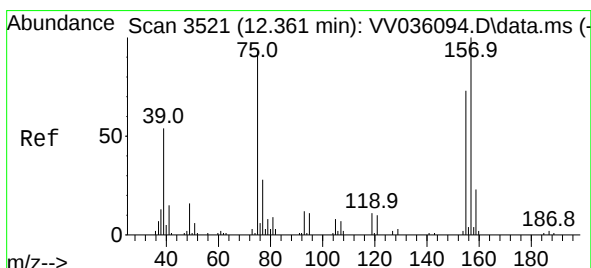
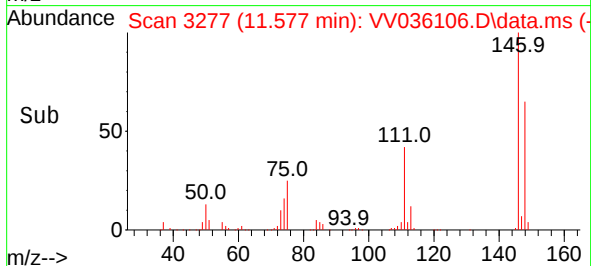
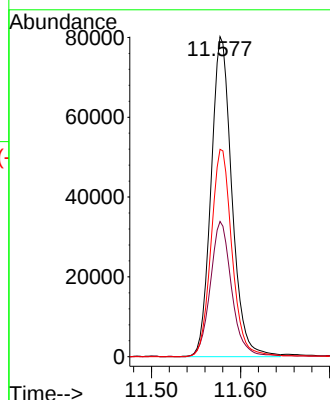
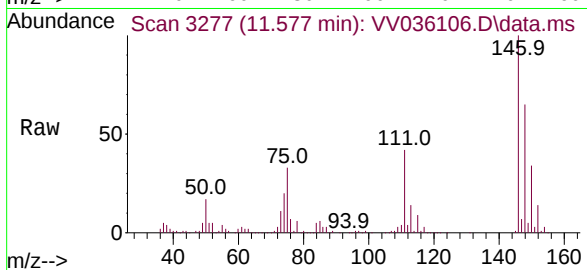
Tgt Ion:146 Resp: 130290

Ion Ratio Lower Upper

146 100

111 42.3 33.5 50.3

148 64.8 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 31.127 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

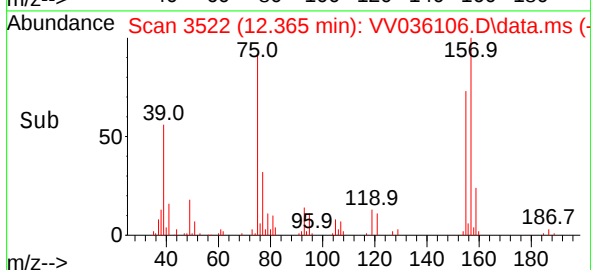
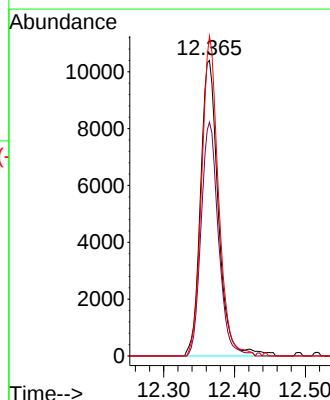
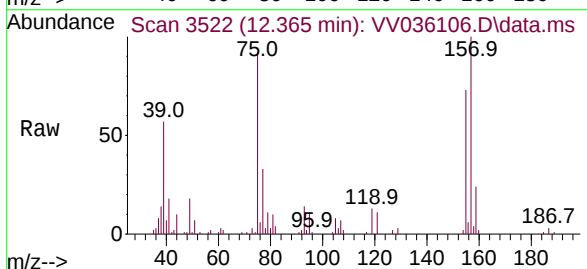
Tgt Ion: 75 Resp: 18124

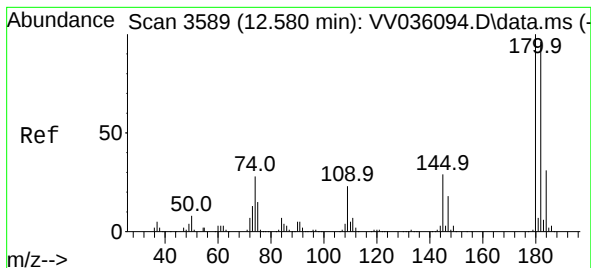
Ion Ratio Lower Upper

75 100

155 79.1 63.3 94.9

157 108.3 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 11.586 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

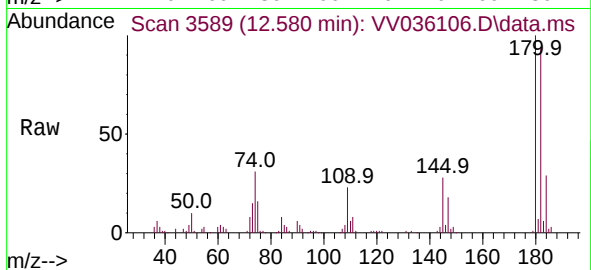
Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 64286

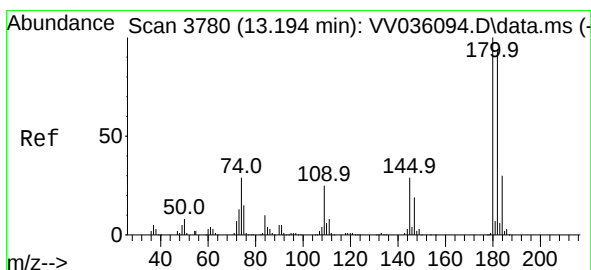
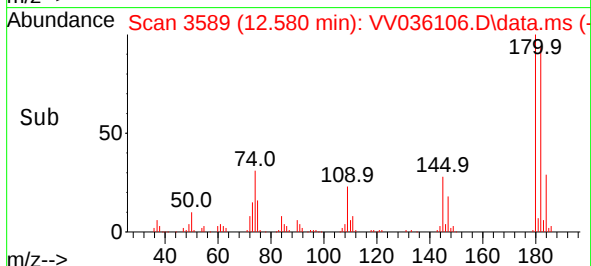
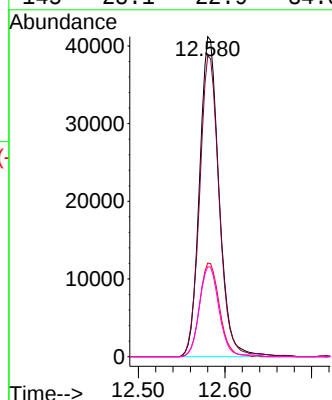
Ion Ratio Lower Upper

180 100

182 93.9 76.2 114.4

184 29.8 24.2 36.2

145 28.1 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 8.617 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

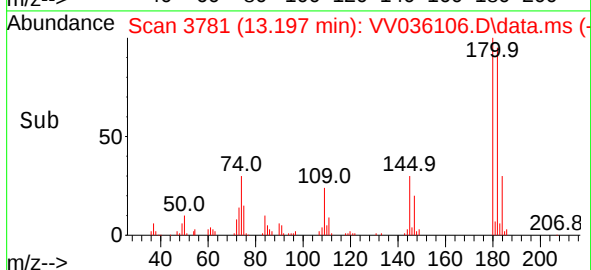
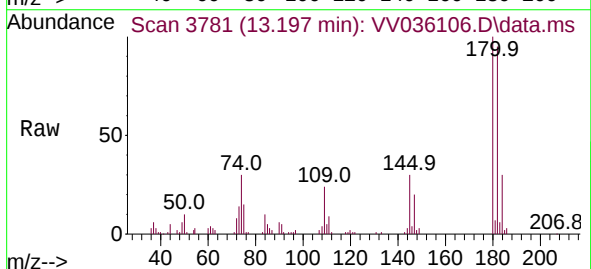
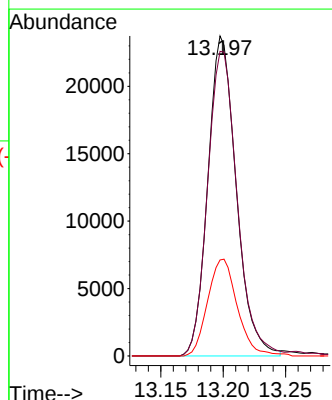
Tgt Ion:180 Resp: 37644

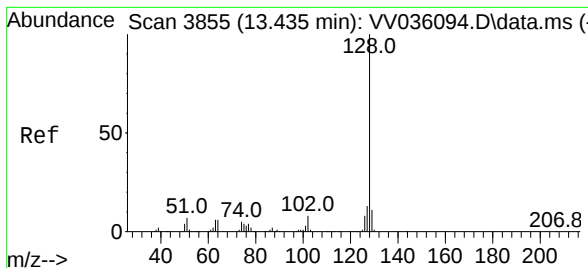
Ion Ratio Lower Upper

180 100

182 99.1 76.1 114.1

145 31.6 23.5 35.3





#71

Naphthalene

Concen: 10.804 ug/L

RT: 13.439 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Instrument :

MSVOA_V

ClientSampleId :

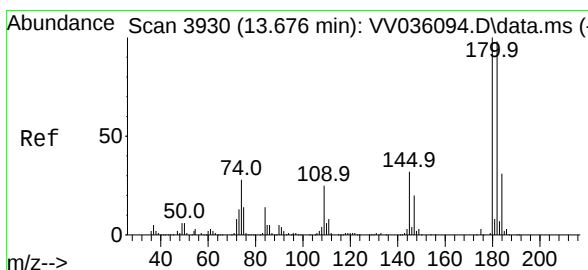
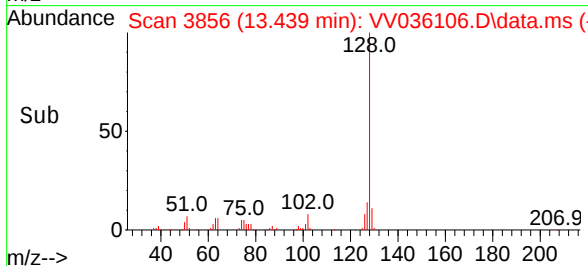
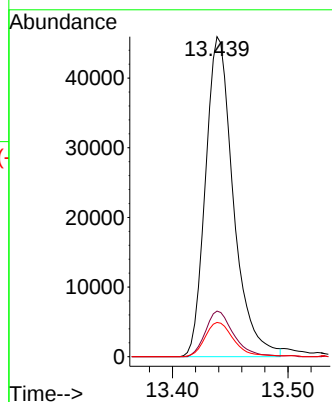
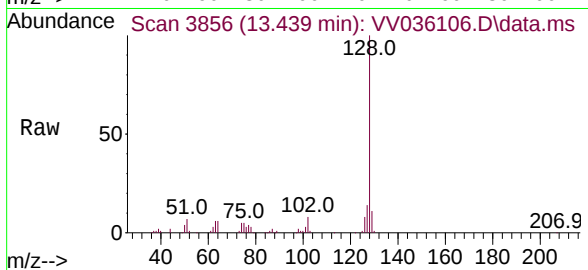
Tgt Ion:128 Resp: 77026

Ion Ratio Lower Upper

128 100

127 14.4 10.6 16.0

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 8.181 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

Lab File: VV036106.D

Acq: 17 Jun 2024 18:05

Tgt Ion:180 Resp: 32614

Ion Ratio Lower Upper

180 100

182 92.1 75.1 112.7

145 32.2 25.2 37.8

