

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072324\
 Data File : VW036659.D
 Acq On : 23 Jul 2024 20:07
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 24 01:04:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 24 00:57:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	347491	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	357839	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	212475	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	67250	17.670	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.680%
7) Chloroethane-d5	1.529	69	68320	19.875	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.520%
11) 1,1-Dichloroethene-d2	2.050	65	36954	18.363	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.440%
21) 2-Butanone-d5	3.847	46	19233	21.654	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	43.300%
24) Chloroform-d	4.243	84	198267	21.574	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.280%
26) 1,2-Dichloroethane-d4	4.941	65	104082	22.956	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.840%
32) Benzene-d6	4.953	84	343468	20.252	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.000%
36) 1,2-Dichloropropane-d6	5.986	67	98703	20.425	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.720%
41) Toluene-d8	7.239	98	336372	20.783	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.120%
43) trans-1,3-Dichloroprop...	7.551	79	44248	20.598	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.400%
47) 2-Hexanone-d5	8.034	63	31797	49.443	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.880%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	94729	22.491	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.960%
66) 1,2-Dichlorobenzene-d4	11.558	152	149333	20.133	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.520%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	132829	22.540	ug/L	99
3) Chloromethane	1.211	50	113441	25.021	ug/L	99
5) Vinyl chloride	1.278	62	132363	23.608	ug/L	100
6) Bromomethane	1.484	94	110200	24.582	ug/L	100
8) Chloroethane	1.545	64	88119	24.251	ug/L	99
9) Trichlorofluoromethane	1.706	101	225563	23.170	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	135231	22.325	ug/L	99
12) 1,1-Dichloroethene	2.063	96	127942	23.866	ug/L	97
13) Acetone	2.153	43	47449	32.886	ug/L	98
14) Carbon disulfide	2.230	76	364217	24.479	ug/L	100
15) Methyl Acetate	2.388	43	41437	24.617	ug/L	99
16) Methylene chloride	2.439	84	151214	23.388	ug/L	96
17) trans-1,2-Dichloroethene	2.687	96	133055	24.577	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	296315	26.095	ug/L	100
19) 1,1-Dichloroethane	3.105	63	208656	24.565	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	141131	24.961	ug/L	99
22) 2-Butanone	3.912	43	15809	12.908	ug/L	80
23) Bromochloromethane	4.146	128	77693	25.856	ug/L	98
25) Chloroform	4.272	83	256834	25.050	ug/L	99

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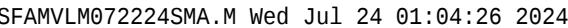
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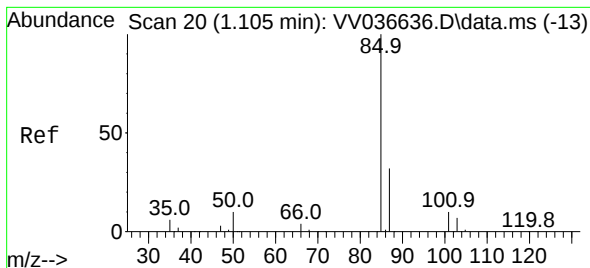
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 Quant Title : VOC Analysis
 QLast Update : Wed Jul 24 00:57:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	164169	26.685	ug/L	97
29) Cyclohexane	4.577	56	134716	21.116	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	217298	23.472	ug/L	99
31) Carbon tetrachloride	4.728	117	199685	23.087	ug/L	100
33) Benzene	5.005	78	495342	24.375	ug/L	100
34) Trichloroethene	5.828	95	168129	25.281	ug/L	96
35) Methylcyclohexane	6.047	83	192467	21.735	ug/L	100
37) 1,2-Dichloropropane	6.088	63	115251	24.643	ug/L	98
38) Bromodichloromethane	6.429	83	185345	24.307	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	190967	24.868	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	117469	53.789	ug/L	98
42) Toluene	7.310	91	569872	25.318	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	174520	25.307	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	118739	26.032	ug/L	99
46) Tetrachloroethene	7.902	164	139067	21.073	ug/L	98
48) 2-Hexanone	8.079	43	81965	47.869	ug/L	98
49) Dibromochloromethane	8.172	129	147974	25.750	ug/L	98
50) 1,2-Dibromoethane	8.281	107	122377	26.705	ug/L	99
51) Chlorobenzene	8.812	112	400329	24.565	ug/L	99
52) Ethylbenzene	8.944	91	612349	24.732	ug/L	99
53) m,p-Xylene	9.069	106	247783	25.633	ug/L	100
54) o-Xylene	9.477	106	233671	25.159	ug/L	100
55) Styrene	9.493	104	428269	27.194	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	104439	25.271	ug/L	100
59) Bromoform	9.664	173	100097	25.014	ug/L	98
60) Isopropylbenzene	9.863	105	628109	24.157	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	93651	25.002	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	512429	25.266	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	518850	25.272	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	351950	24.214	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	362450	24.214	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	329526	24.383	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	22148	25.109	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	269426	23.498	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	221306	23.761	ug/L	100
71) Naphthalene	13.435	128	350716	25.313	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	214462	25.520	ug/L	99

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

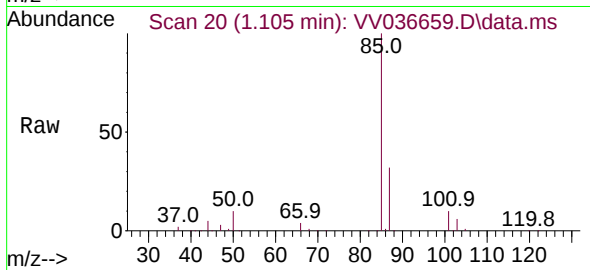
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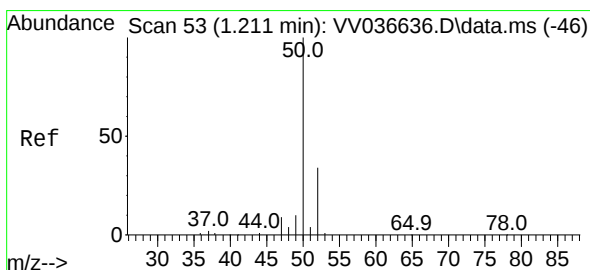
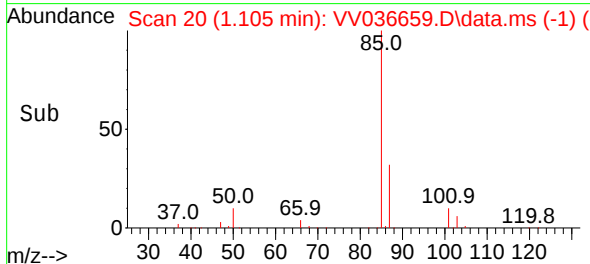
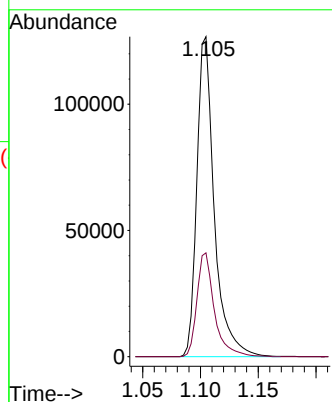


#2
Dichlorodifluoromethane
Concen: 22.540 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

Instrument :
MSVOA_V
ClientSampleId :

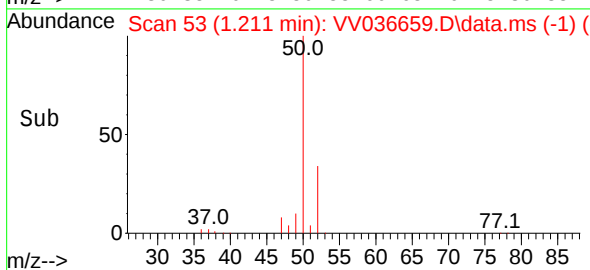
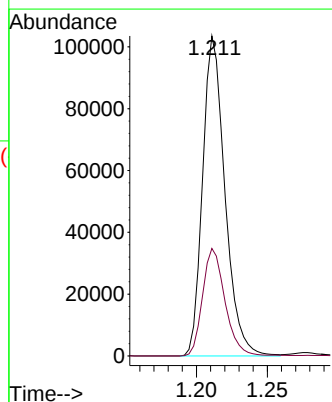
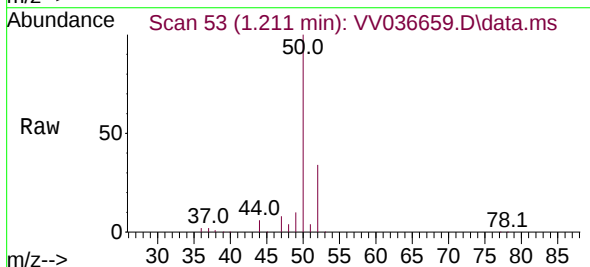


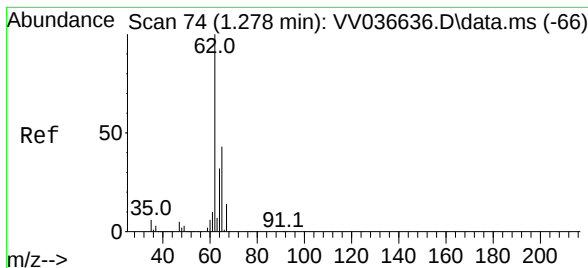
Tgt Ion: 85 Resp: 132829
Ion Ratio Lower Upper
85 100
87 32.4 26.5 39.7



#3
Chloromethane
Concen: 25.021 ug/L
RT: 1.211 min Scan# 53
Delta R.T. 0.000 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

Tgt Ion: 50 Resp: 113441
Ion Ratio Lower Upper
50 100
52 33.6 23.3 43.3





#5

Vinyl chloride

Concen: 23.608 ug/L

RT: 1.278 min Scan# 74

Delta R.T. 0.000 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Instrument :

MSVOA_V

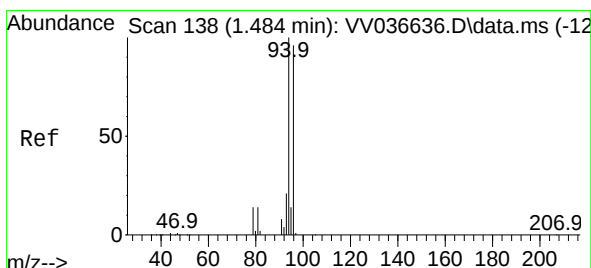
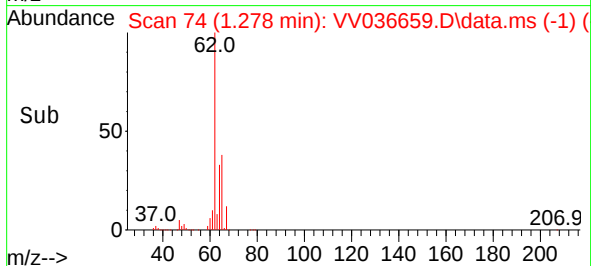
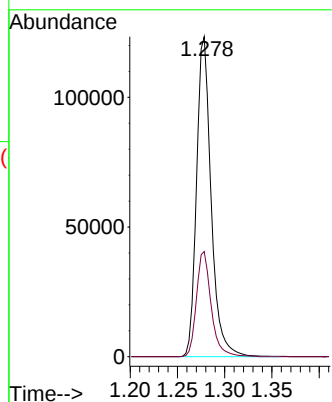
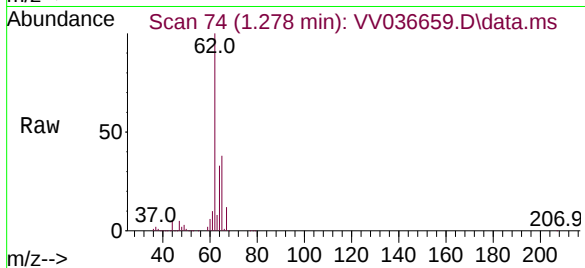
ClientSampleId :

Tgt Ion: 62 Resp: 132363

Ion Ratio Lower Upper

62 100

64 32.9 23.1 42.9



#6

Bromomethane

Concen: 24.582 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV036659.D

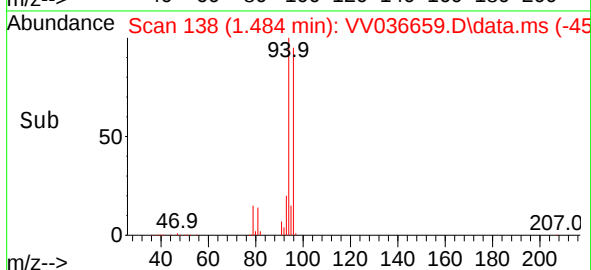
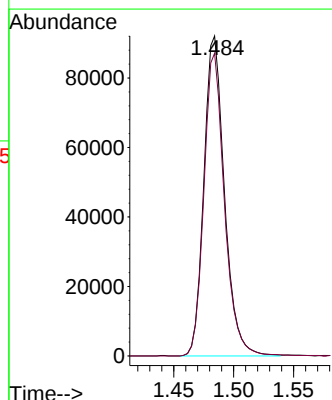
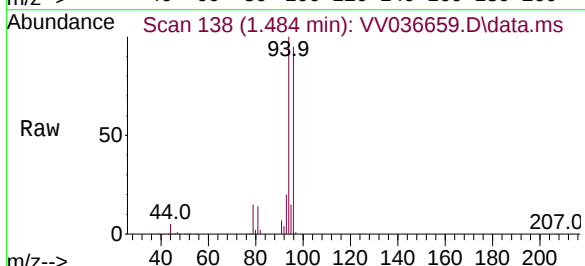
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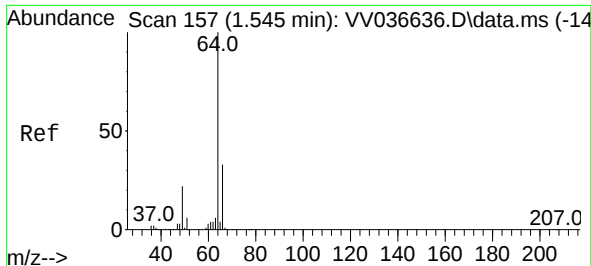
Tgt Ion: 94 Resp: 110200

Ion Ratio Lower Upper

94 100

96 94.6 66.6 123.6

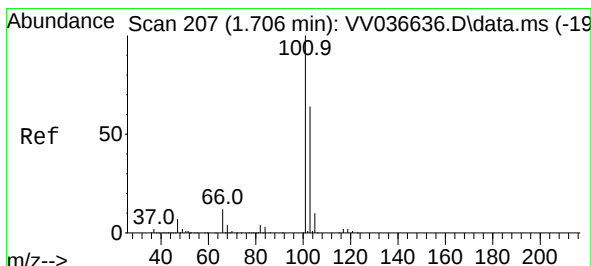
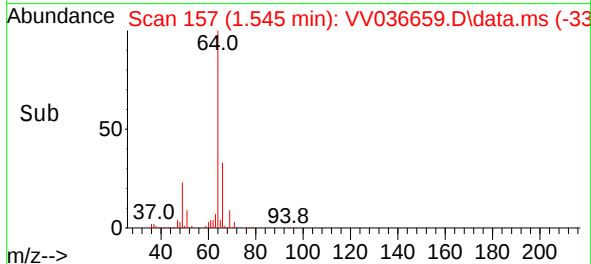
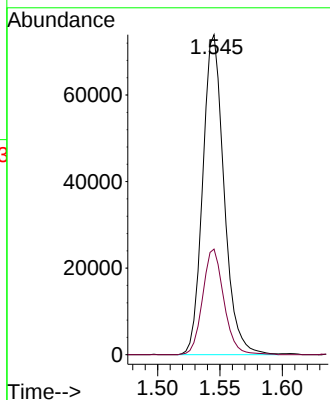
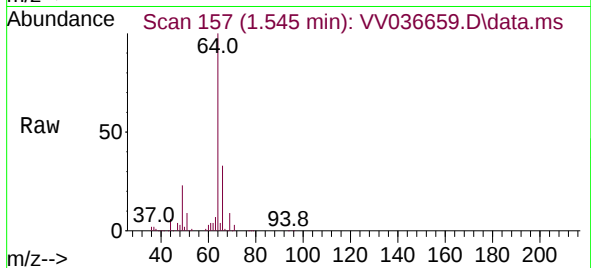




#8
Chloroethane
Concen: 24.251 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

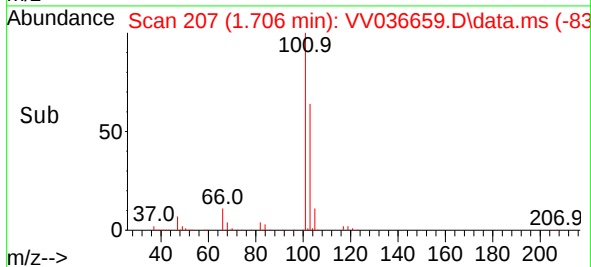
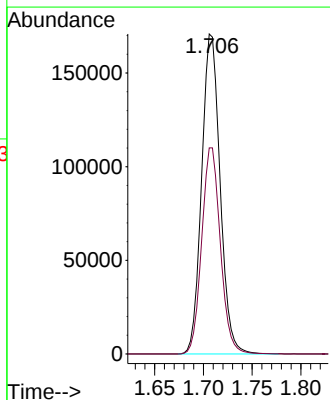
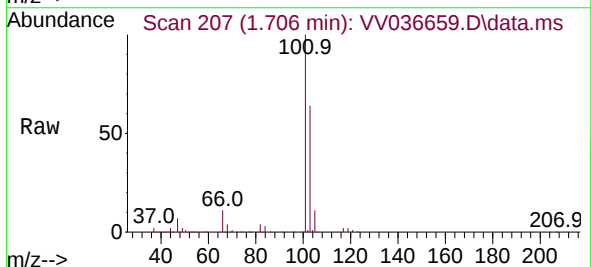
Instrument :
MSVOA_V
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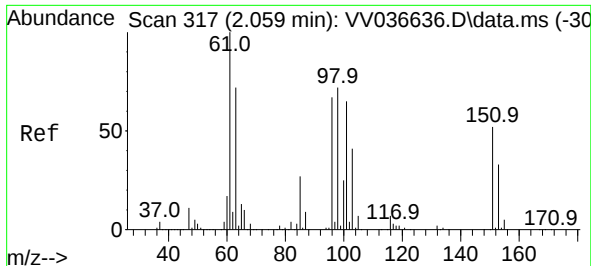
Tgt Ion: 64 Resp: 88119
Ion Ratio Lower Upper
64 100
66 33.0 22.7 42.1



#9
Trichlorofluoromethane
Concen: 23.170 ug/L
RT: 1.706 min Scan# 207
Delta R.T. 0.000 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

Tgt Ion:101 Resp: 225563
Ion Ratio Lower Upper
101 100
103 65.1 52.2 78.4

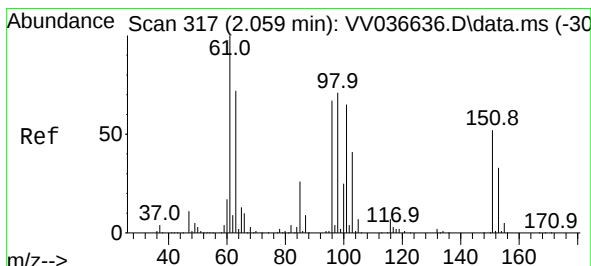
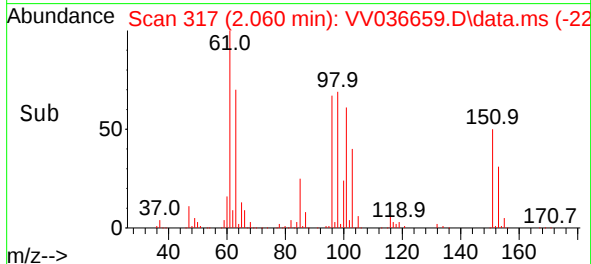
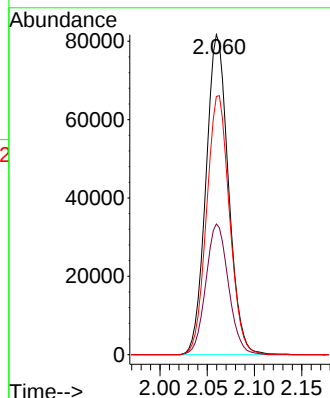
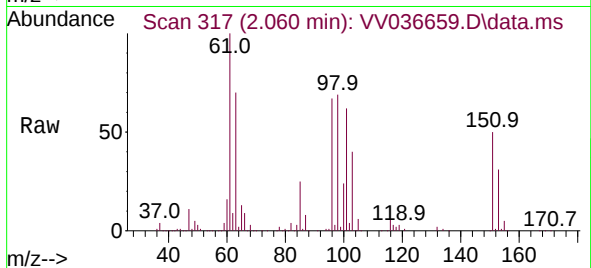




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 22.325 ug/L
RT: 2.060 min Scan# 317
Delta R.T. 0.000 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

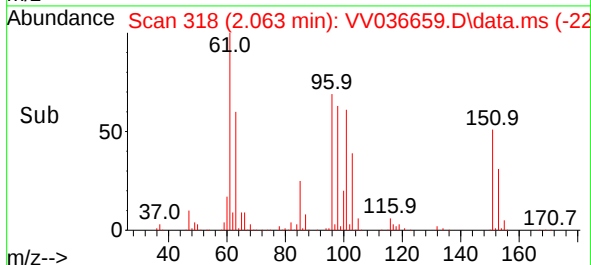
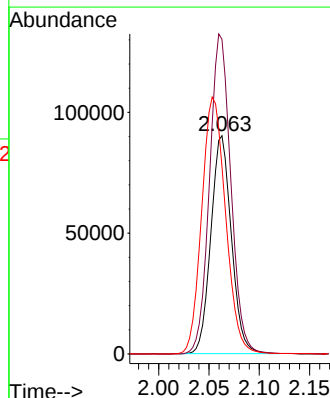
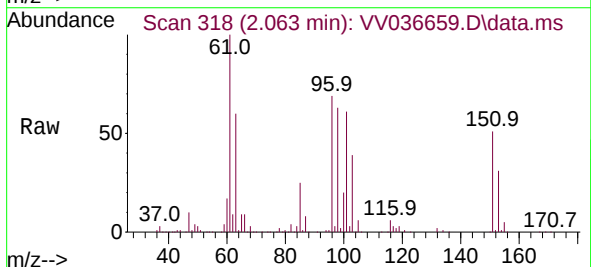
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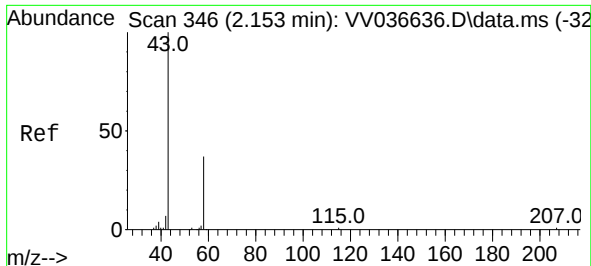
Tgt Ion:101 Resp: 135231
Ion Ratio Lower Upper
101 100
85 41.1 32.4 48.6
151 82.5 64.9 97.3



#12
1,1-Dichloroethene
Concen: 23.866 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.003 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

Tgt Ion: 96 Resp: 127942
Ion Ratio Lower Upper
96 100
61 144.3 102.3 189.9
63 86.1 64.1 119.1





#13

Acetone

Concen: 32.886 ug/L

RT: 2.153 min Scan# 346

Delta R.T. 0.000 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Instrument :

MSVOA_V

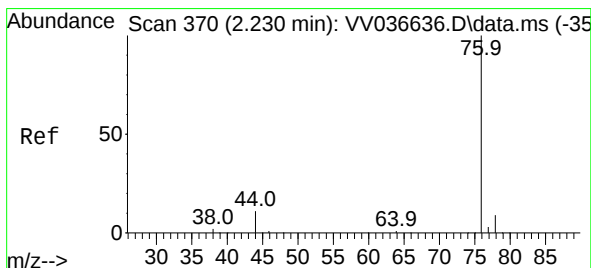
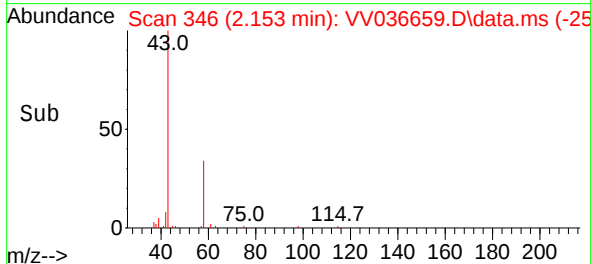
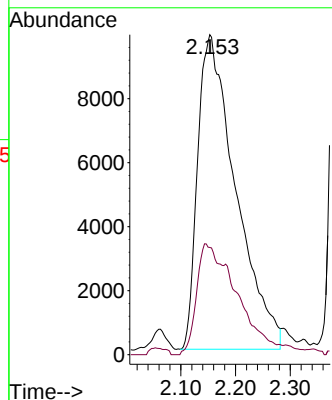
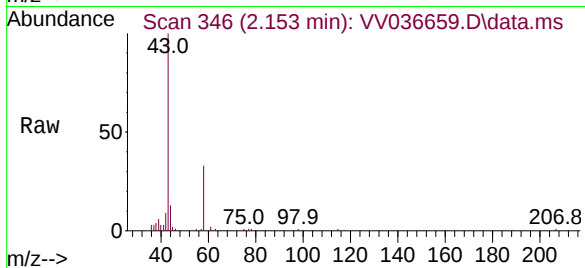
ClientSampleId :

Tgt Ion: 43 Resp: 47449

Ion Ratio Lower Upper

43 100

58 12.4 0.0 23.0



#14

Carbon disulfide

Concen: 24.479 ug/L

RT: 2.230 min Scan# 370

Delta R.T. 0.000 min

Lab File: VV036659.D

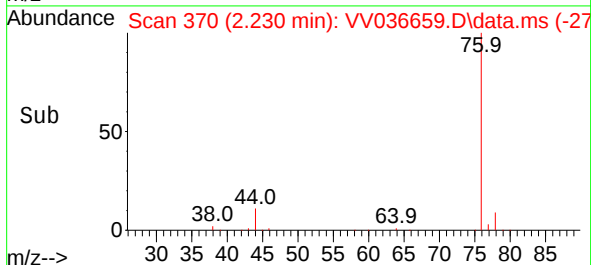
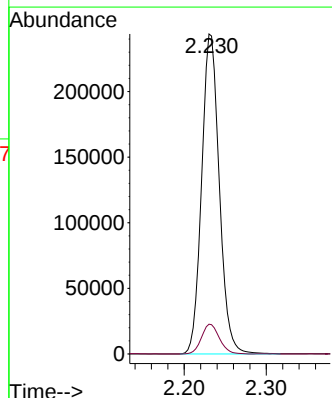
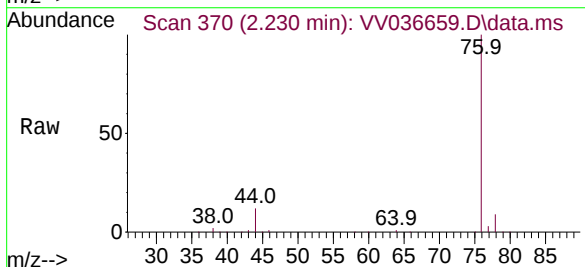
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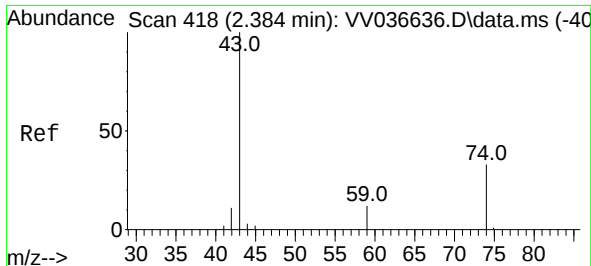
Tgt Ion: 76 Resp: 364217

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3





#15

Methyl Acetate

Concen: 24.617 ug/L

RT: 2.388 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Instrument :

MSVOA_V

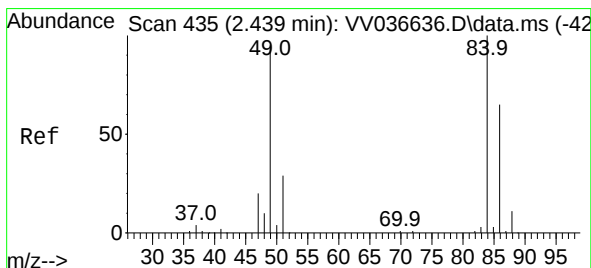
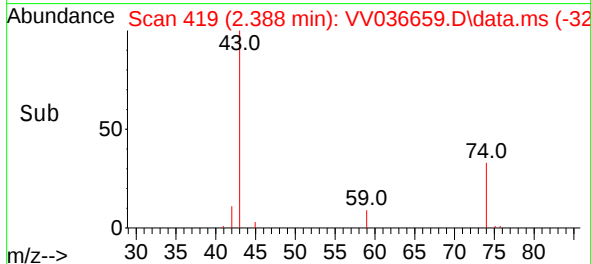
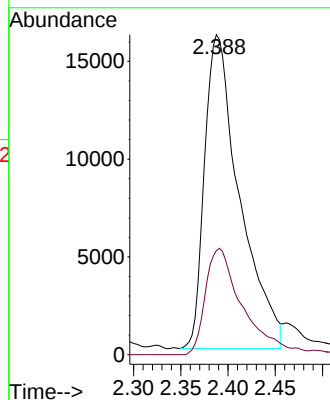
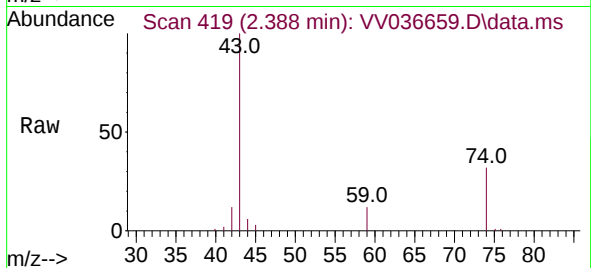
ClientSampleId :

Tgt Ion: 43 Resp: 41437

Ion Ratio Lower Upper

43 100

74 35.4 27.8 41.8



#16

Methylene chloride

Concen: 23.388 ug/L

RT: 2.439 min Scan# 435

Delta R.T. 0.000 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

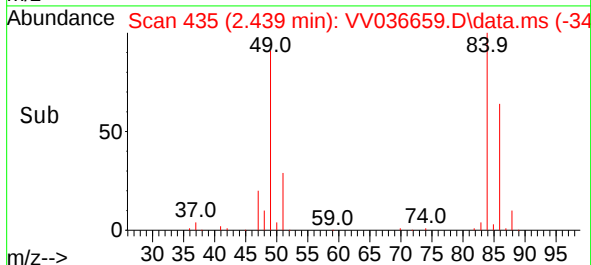
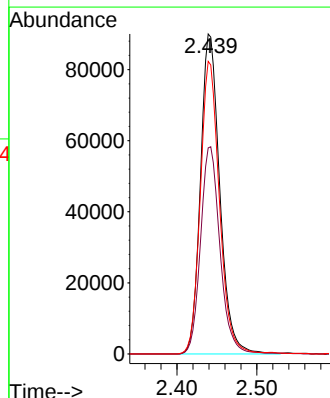
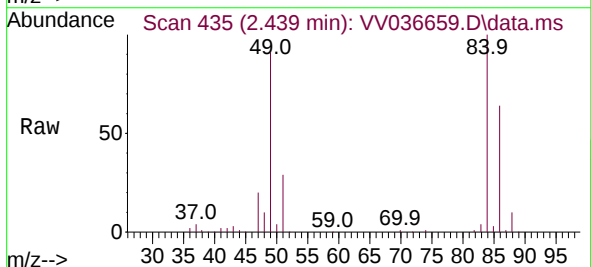
Tgt Ion: 84 Resp: 151214

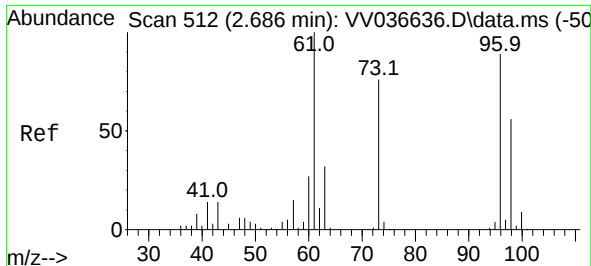
Ion Ratio Lower Upper

84 100

86 64.4 47.2 87.6

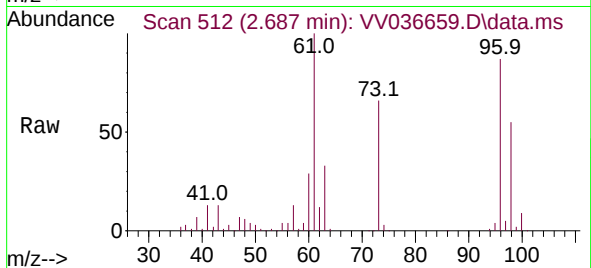
49 91.4 67.3 125.1



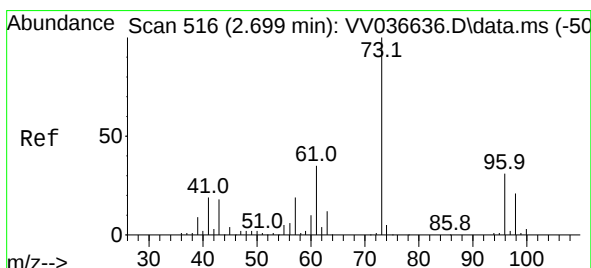
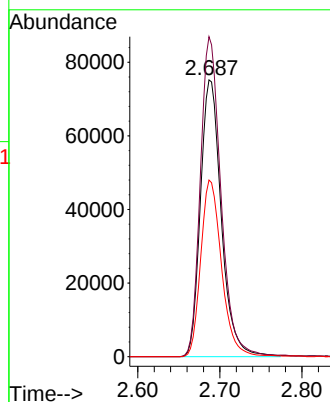
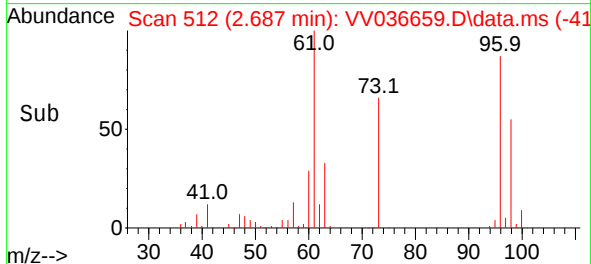


#17
trans-1,2-Dichloroethene
Concen: 24.577 ug/L
RT: 2.687 min Scan# 512
Delta R.T. 0.000 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

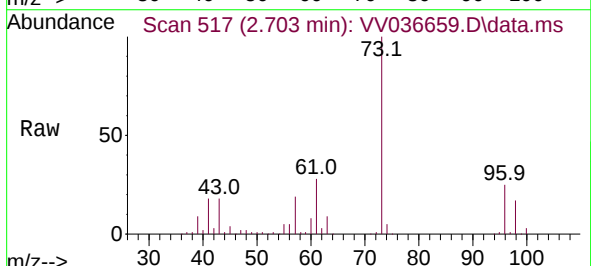
Instrument :
MSVOA_V
ClientSampleId :



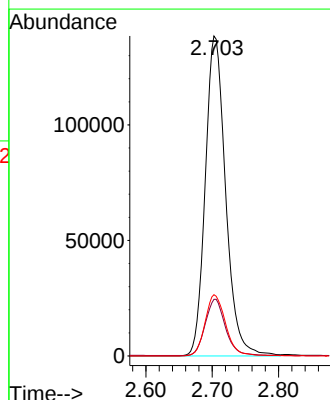
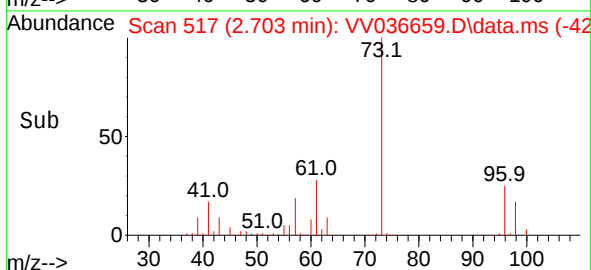
Tgt Ion: 96 Resp: 133055
Ion Ratio Lower Upper
96 100
61 115.6 81.5 151.5
98 63.8 44.3 82.3

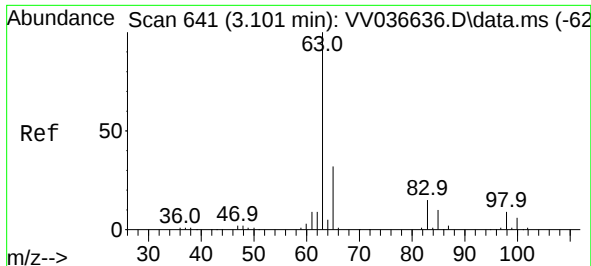


#18
Methyl tert-butyl Ether
Concen: 26.095 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07



Tgt Ion: 73 Resp: 296315
Ion Ratio Lower Upper
73 100
43 17.3 13.8 20.6
57 19.2 15.4 23.2

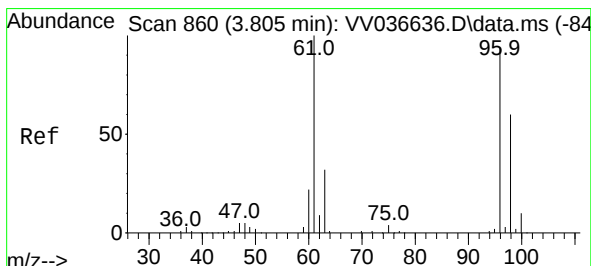
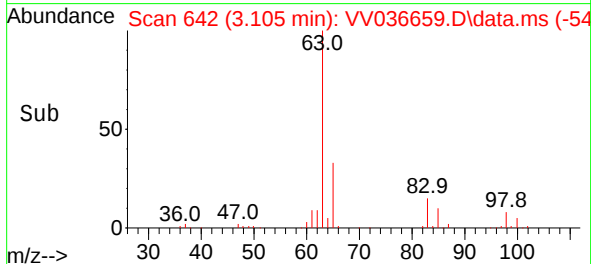
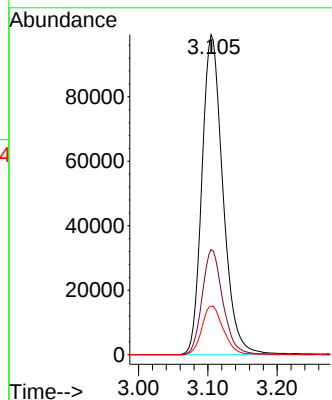
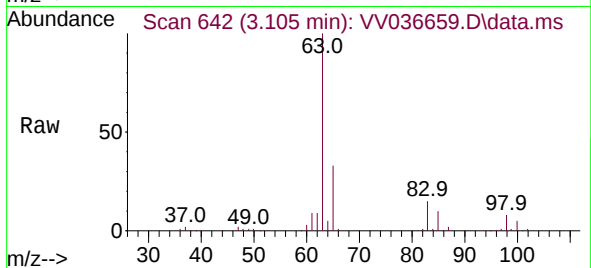




#19
1,1-Dichloroethane
Concen: 24.565 ug/L
RT: 3.105 min Scan# 641
Delta R.T. 0.003 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

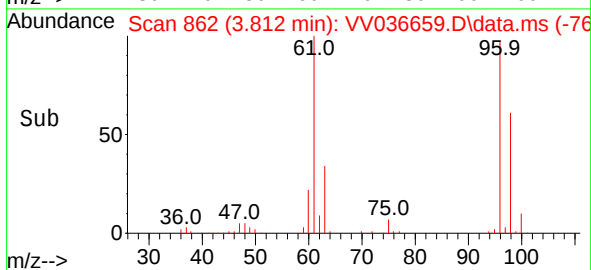
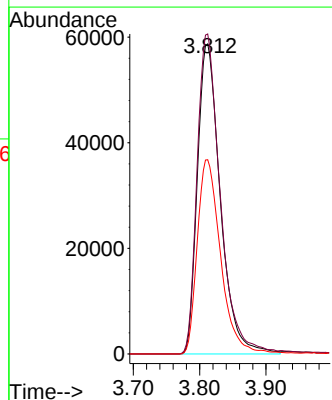
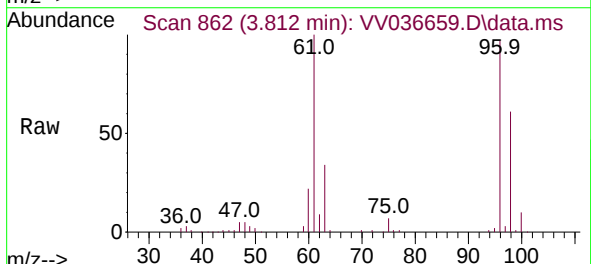
Instrument :
MSVOA_V
ClientSampleId :

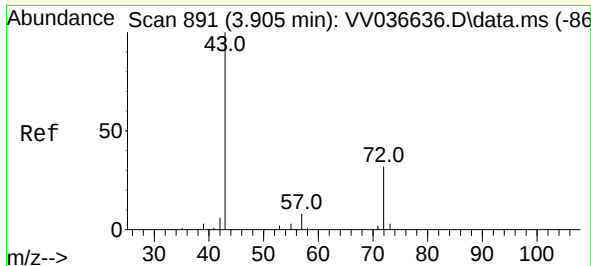
Tgt Ion: 63 Resp: 208656
Ion Ratio Lower Upper
63 100
65 32.9 22.7 42.1
83 15.2 11.1 20.7



#20
cis-1,2-Dichloroethene
Concen: 24.961 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.007 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

Tgt Ion: 96 Resp: 141131
Ion Ratio Lower Upper
96 100
61 103.2 73.0 135.6
98 62.7 44.8 83.2

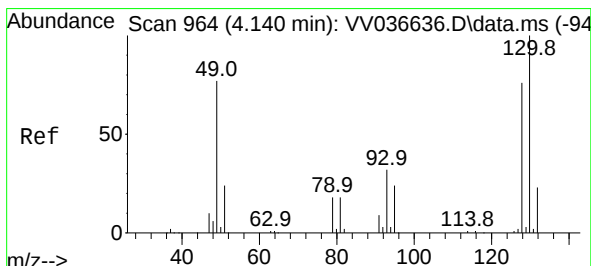
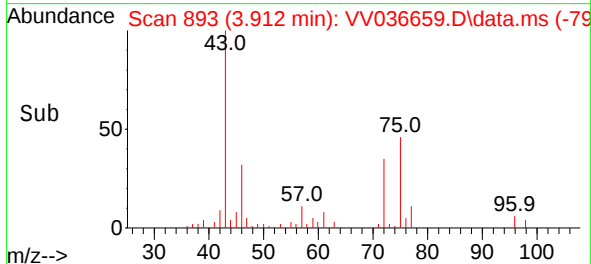
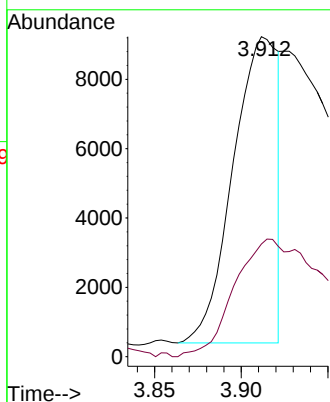
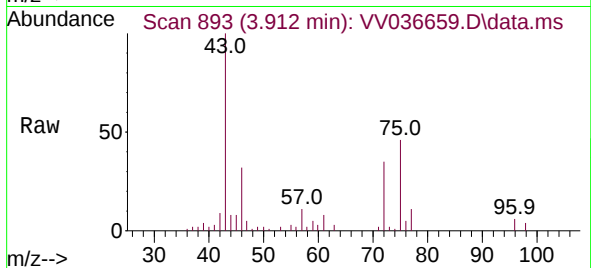




#22
2-Butanone
Concen: 12.908 ug/L
RT: 3.912 min Scan# 891
Delta R.T. 0.007 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

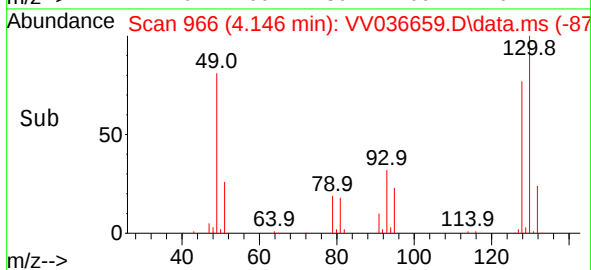
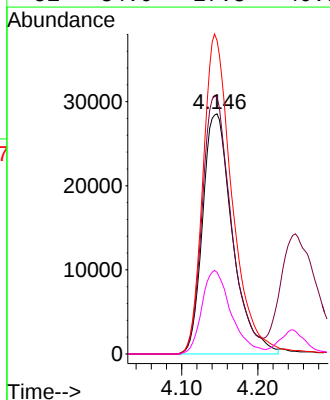
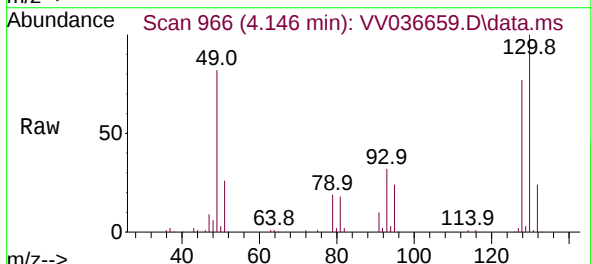
Instrument :
MSVOA_V
ClientSampleId :

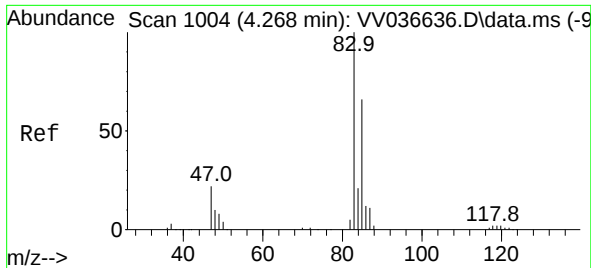
Tgt Ion: 43 Resp: 15809
Ion Ratio Lower Upper
43 100
72 41.4 15.2 45.5



#23
Bromochloromethane
Concen: 25.856 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.007 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

Tgt Ion:128 Resp: 77693
Ion Ratio Lower Upper
128 100
49 106.9 74.4 138.2
130 130.5 88.6 164.6
51 34.0 27.3 40.9





#25

Chloroform

Concen: 25.050 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Instrument :

MSVOA_V

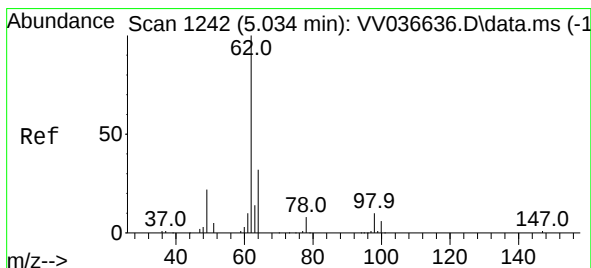
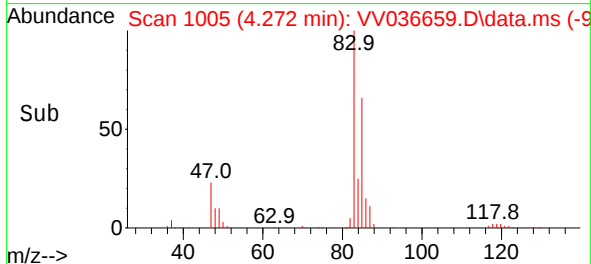
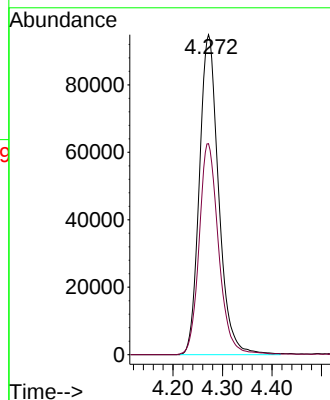
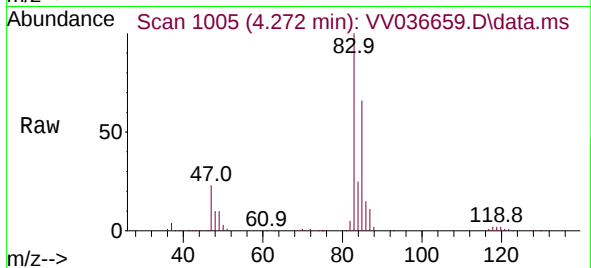
ClientSampleId :

Tgt Ion: 83 Resp: 256834

Ion Ratio Lower Upper

83 100

85 66.0 45.6 84.6



#27

1,2-Dichloroethane

Concen: 26.685 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV036659.D

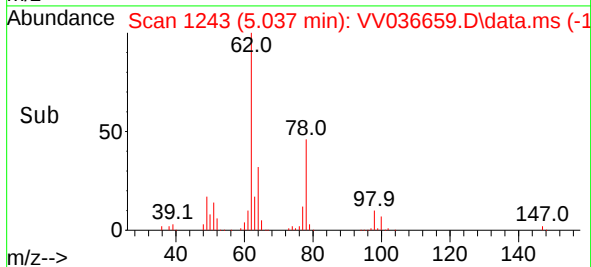
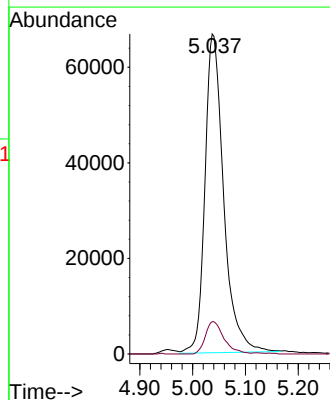
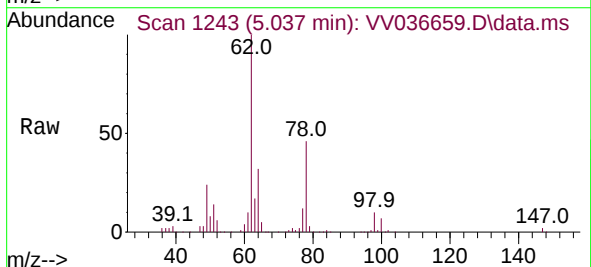
Acq: 23 Jul 2024 20:07

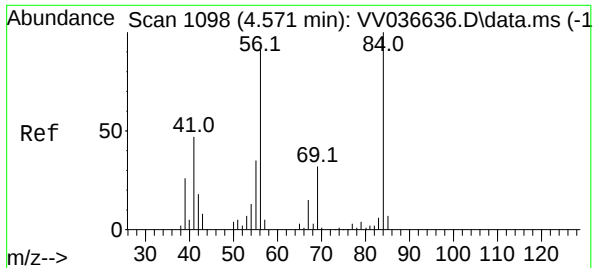
Tgt Ion: 62 Resp: 164169

Ion Ratio Lower Upper

62 100

98 10.1 9.0 13.6





#29

Cyclohexane

Concen: 21.116 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.007 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Instrument :

MSVOA_V

ClientSampleId :

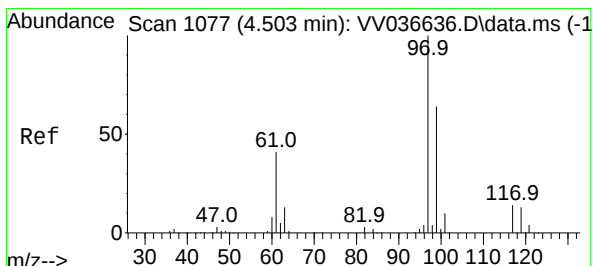
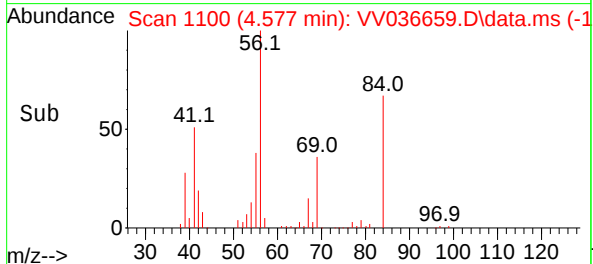
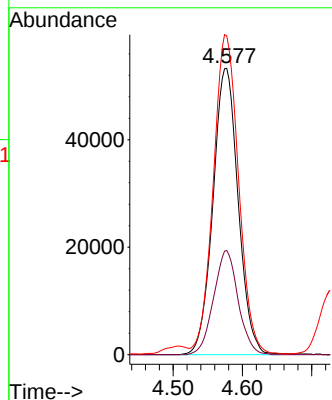
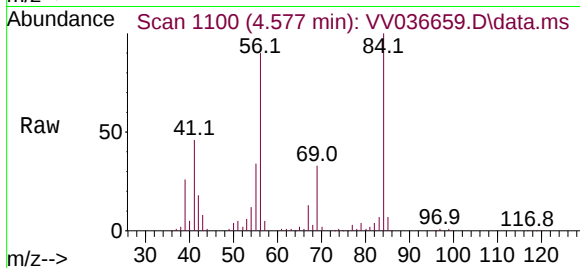
Tgt Ion: 56 Resp: 134716

Ion Ratio Lower Upper

56 100

69 35.4 28.5 42.7

84 111.0 88.6 132.8



#30

1,1,1-Trichloroethane

Concen: 23.472 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

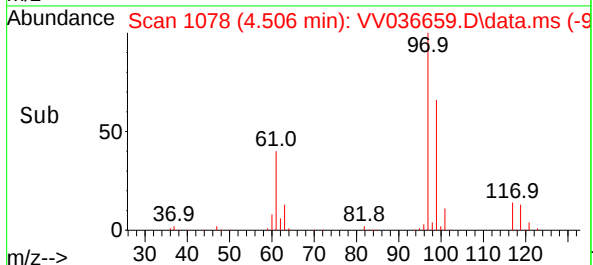
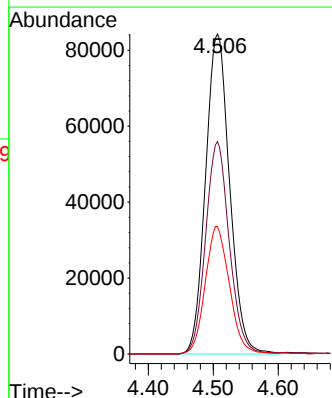
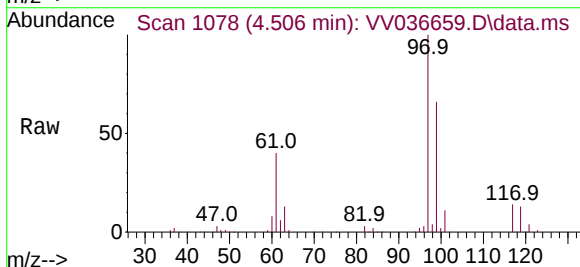
Tgt Ion: 97 Resp: 217298

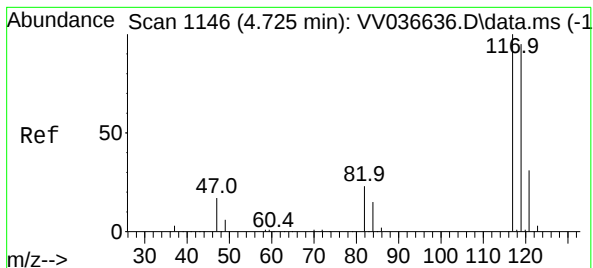
Ion Ratio Lower Upper

97 100

99 65.5 51.6 77.4

61 39.9 31.9 47.9





#31

Carbon tetrachloride

Concen: 23.087 ug/L

RT: 4.728 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Instrument :

MSVOA_V

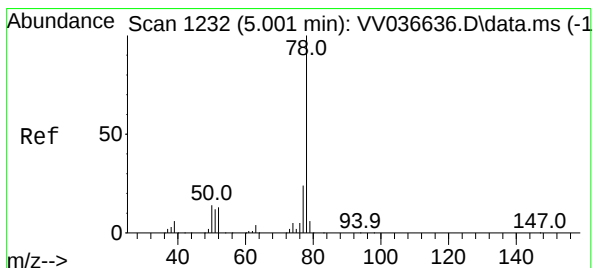
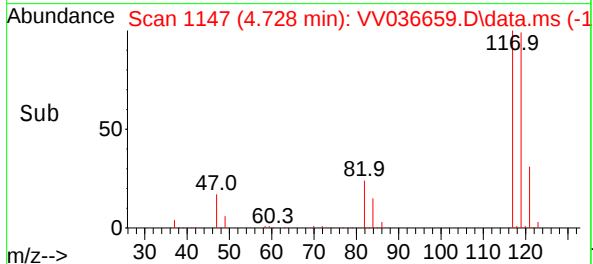
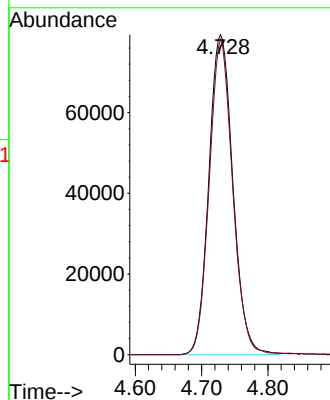
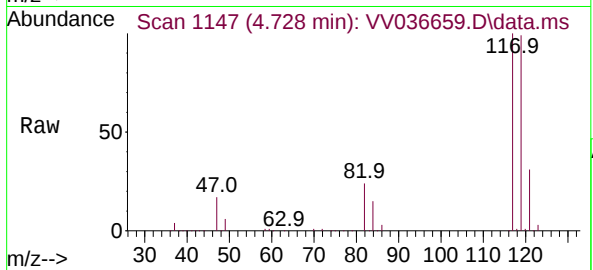
ClientSampleId :

Tgt Ion:117 Resp: 199685

Ion Ratio Lower Upper

117 100

119 95.5 76.6 115.0



#33

Benzene

Concen: 24.375 ug/L

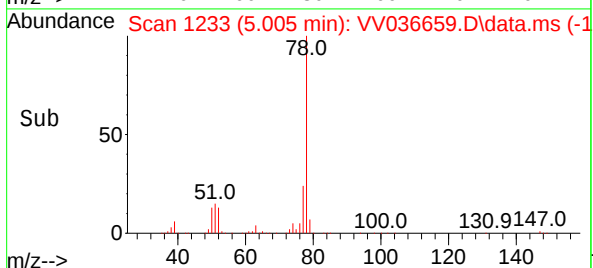
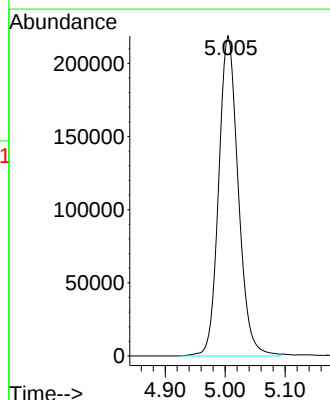
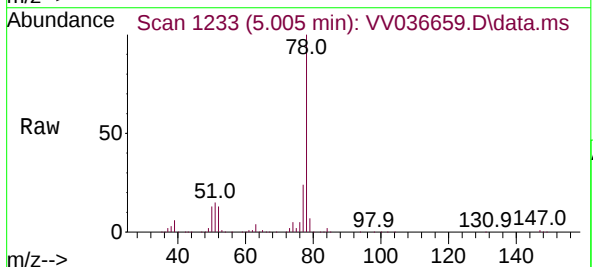
RT: 5.005 min Scan# 1233

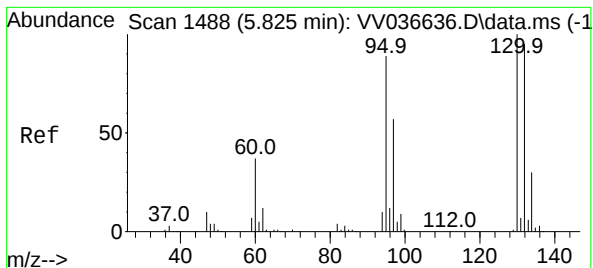
Delta R.T. 0.003 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Tgt Ion: 78 Resp: 495342





#34

Trichloroethene

Concen: 25.281 ug/L

RT: 5.828 min Scan# 14

Delta R.T. 0.003 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 168129

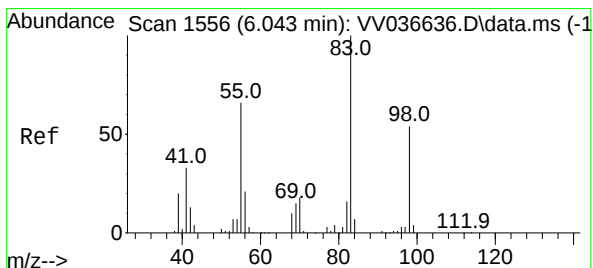
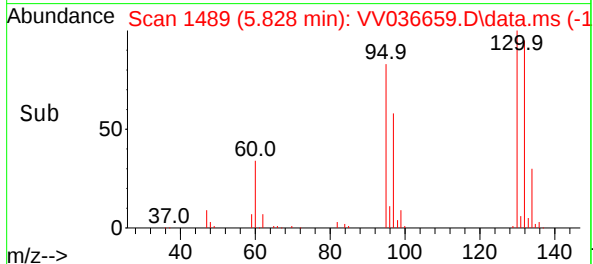
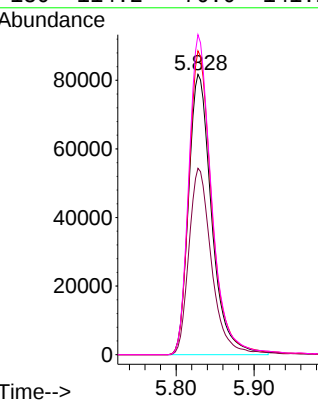
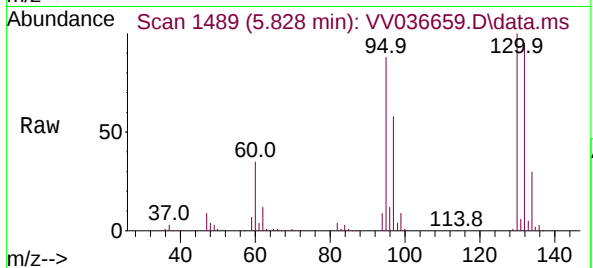
Ion Ratio Lower Upper

95 100

97 66.5 45.1 83.7

132 108.4 72.7 134.9

130 114.2 76.0 141.2



#35

Methylcyclohexane

Concen: 21.735 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

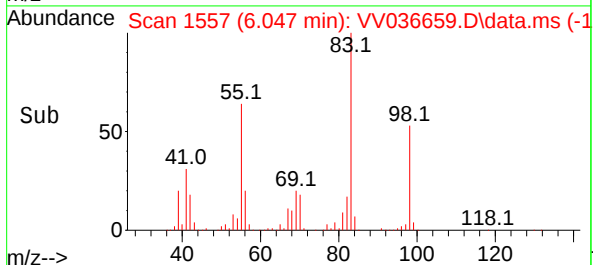
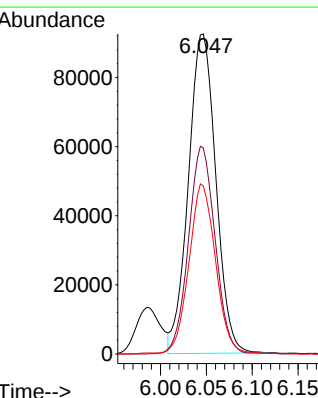
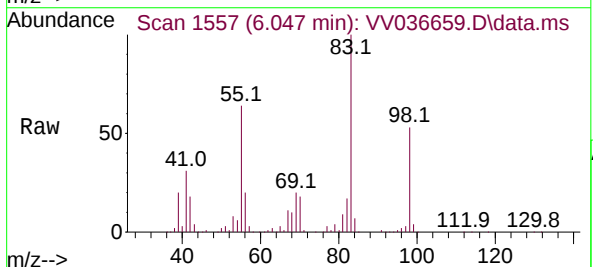
Tgt Ion: 83 Resp: 192467

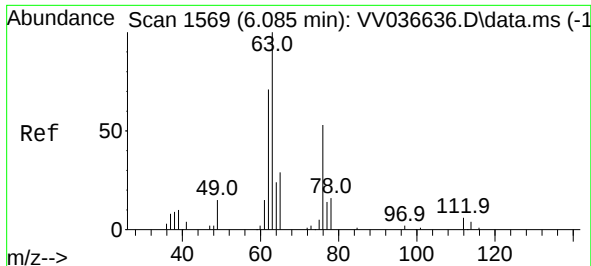
Ion Ratio Lower Upper

83 100

55 63.2 50.8 76.2

98 51.7 41.3 61.9





#37

1,2-Dichloropropane

Concen: 24.643 ug/L

RT: 6.088 min Scan# 1569

Delta R.T. 0.003 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Instrument :

MSVOA_V

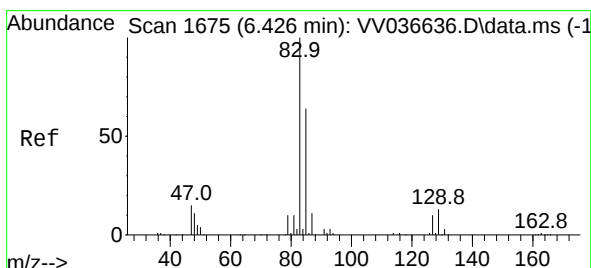
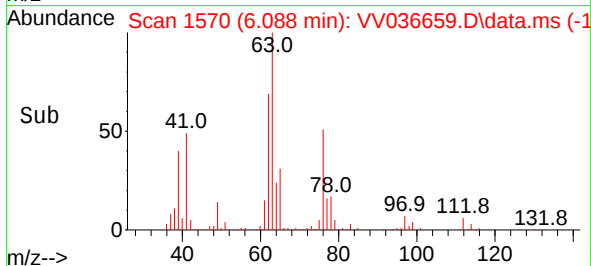
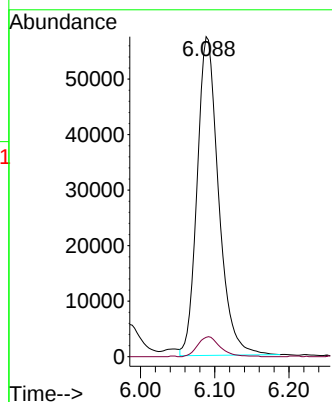
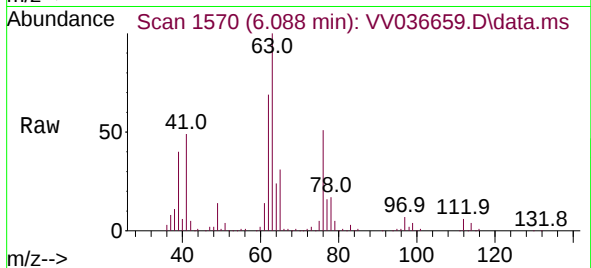
ClientSampleId :

Tgt Ion: 63 Resp: 115251

Ion Ratio Lower Upper

63 100

112 6.6 4.8 7.2



#38

Bromodichloromethane

Concen: 24.307 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.003 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

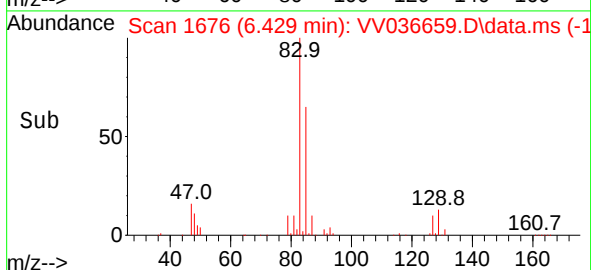
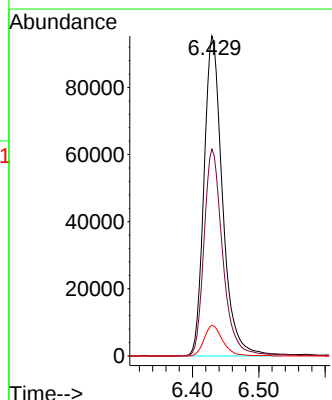
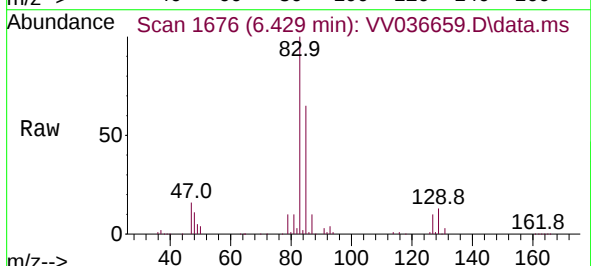
Tgt Ion: 83 Resp: 185345

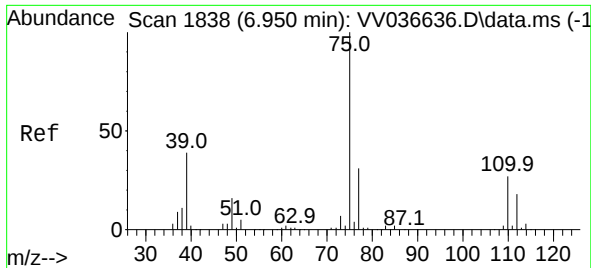
Ion Ratio Lower Upper

83 100

85 64.7 44.6 82.8

127 9.6 7.8 11.6

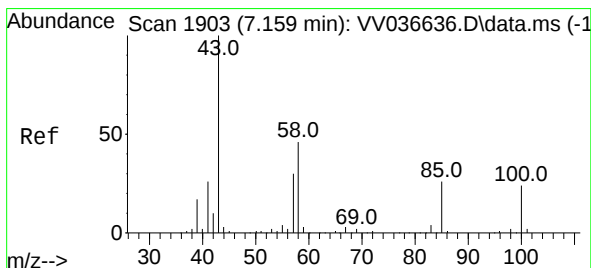
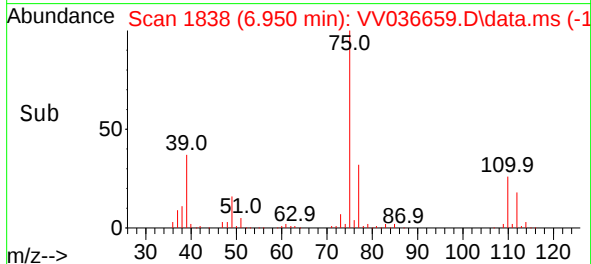
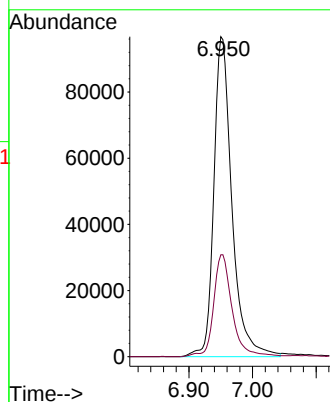
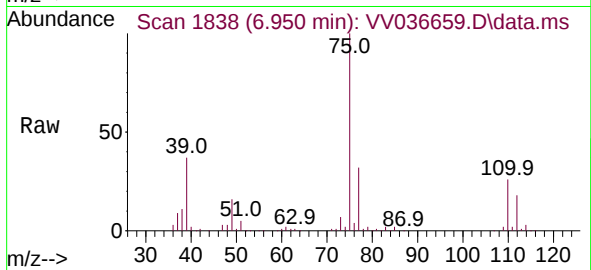




#39
 cis-1,3-Dichloropropene
 Concen: 24.868 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: VV036659.D
 Acq: 23 Jul 2024 20:07

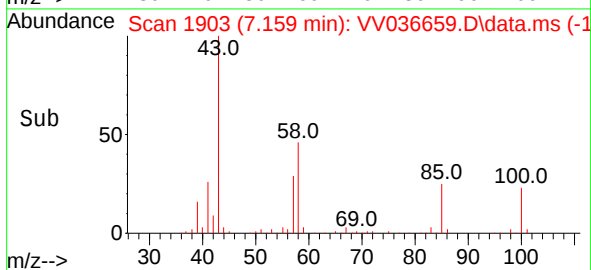
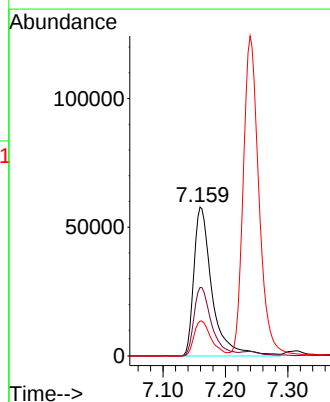
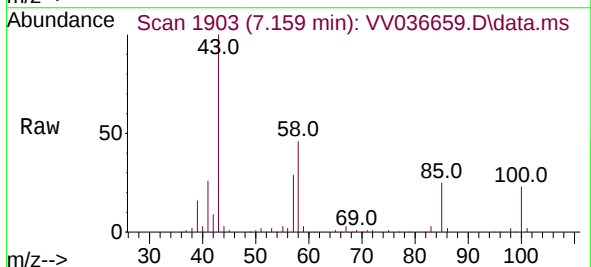
Instrument :
 MSVOA_V
 ClientSampleId :

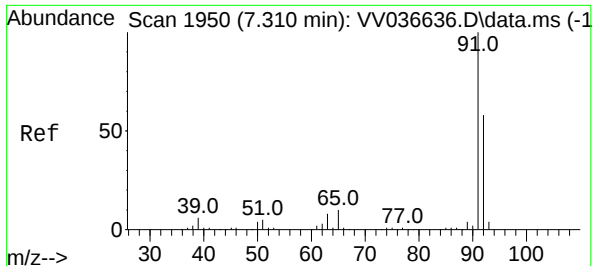
Tgt Ion: 75 Resp: 190967
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 53.789 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VV036659.D
 Acq: 23 Jul 2024 20:07

Tgt Ion: 43 Resp: 117469
 Ion Ratio Lower Upper
 43 100
 58 44.5 36.6 54.8
 100 22.3 18.2 27.4





#42

Toluene

Concen: 25.318 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Instrument :

MSVOA_V

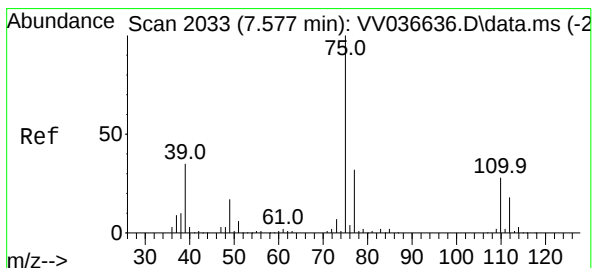
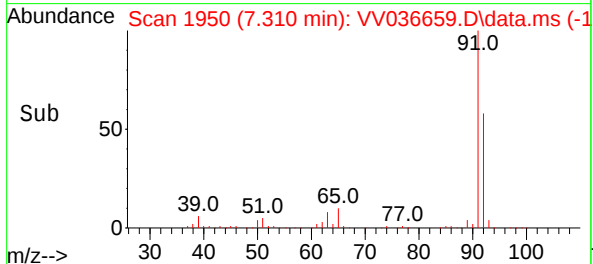
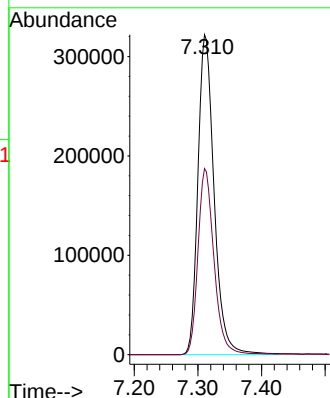
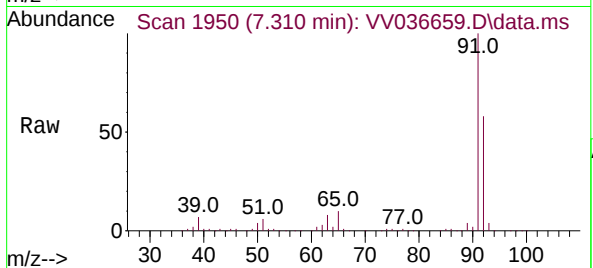
ClientSampleId :

Tgt Ion: 91 Resp: 569872

Ion Ratio Lower Upper

91 100

92 58.2 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 25.307 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV036659.D

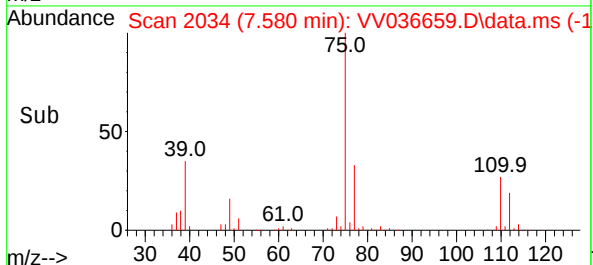
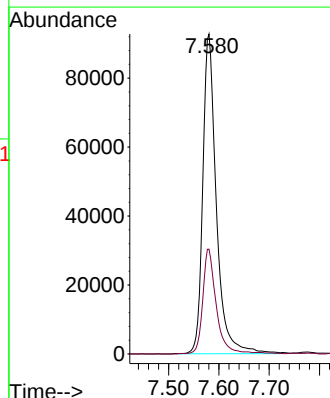
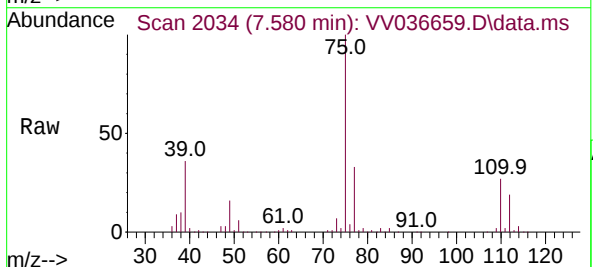
Acq: 23 Jul 2024 20:07

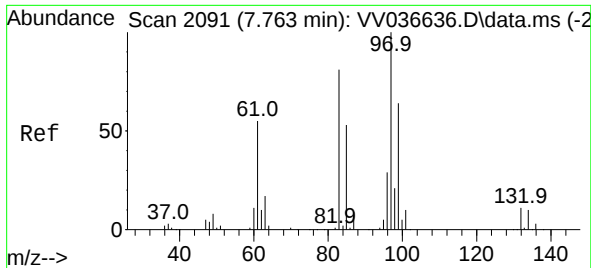
Tgt Ion: 75 Resp: 174520

Ion Ratio Lower Upper

75 100

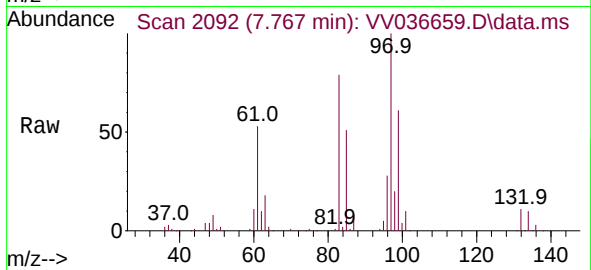
77 32.8 22.6 42.0





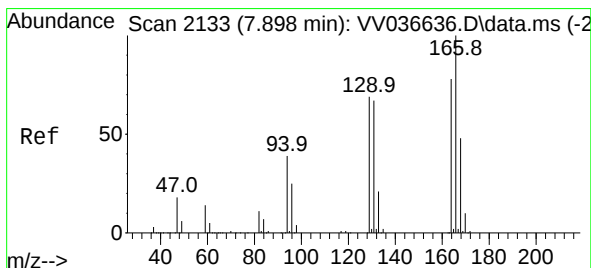
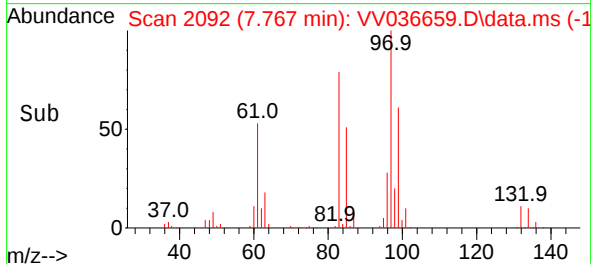
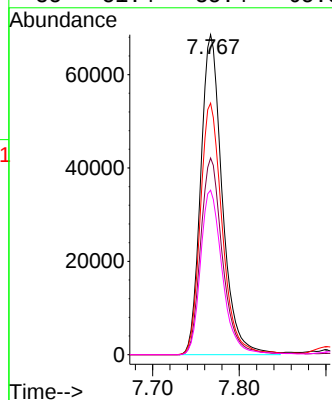
#45
1,1,2-Trichloroethane
Concen: 26.032 ug/L
RT: 7.767 min Scan# 2091
Delta R.T. 0.003 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 97 Resp: 118739

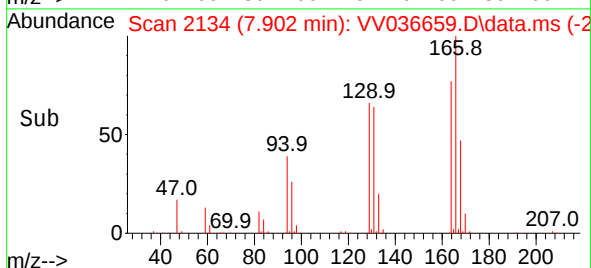
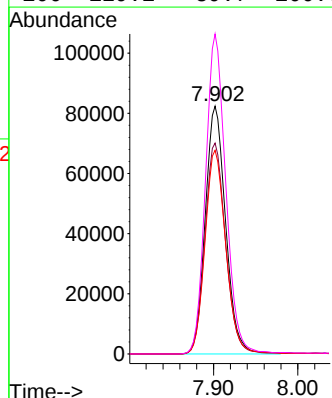
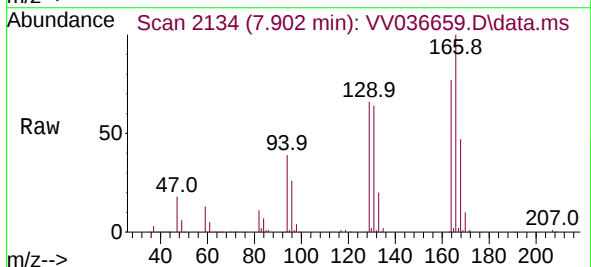
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.5	80.7
83	78.6	55.4	103.0
85	51.4	35.4	65.8

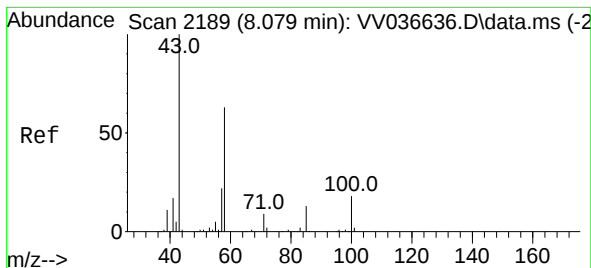


#46
Tetrachloroethene
Concen: 21.073 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.003 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

Tgt Ion: 164 Resp: 139067

Ion	Ratio	Lower	Upper
164	100		
129	85.1	61.0	113.2
131	82.2	60.1	111.5
166	129.1	89.7	166.7





#48

2-Hexanone

Concen: 47.869 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

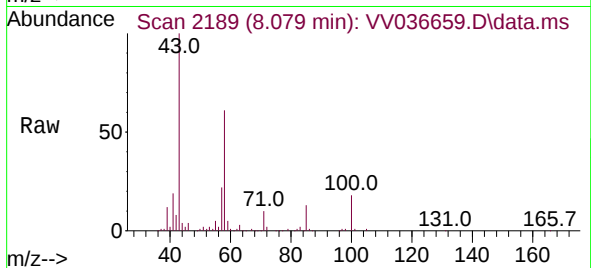
Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 81965

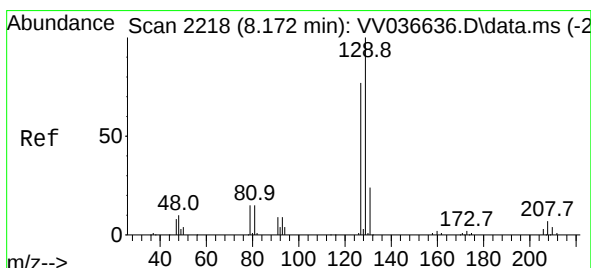
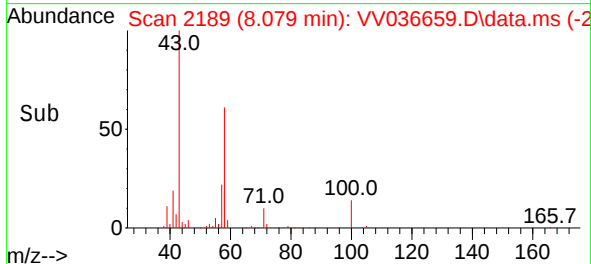
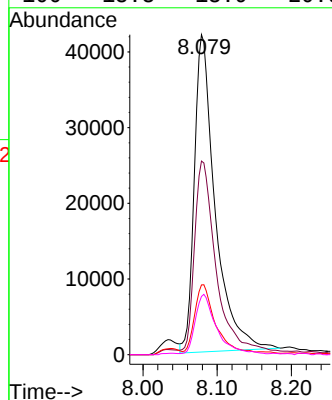
Ion Ratio Lower Upper

43 100

58 62.1 50.6 75.8

57 20.2 17.7 26.5

100 18.3 13.9 20.9



#49

Dibromochloromethane

Concen: 25.750 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.000 min

Lab File: VV036659.D

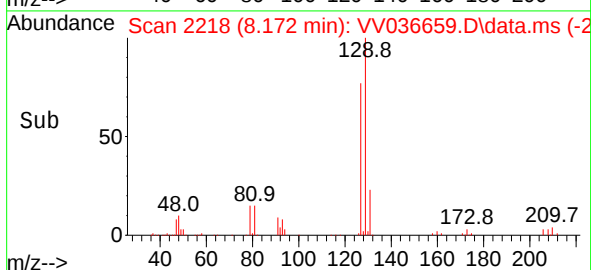
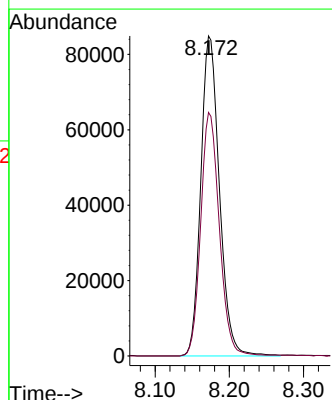
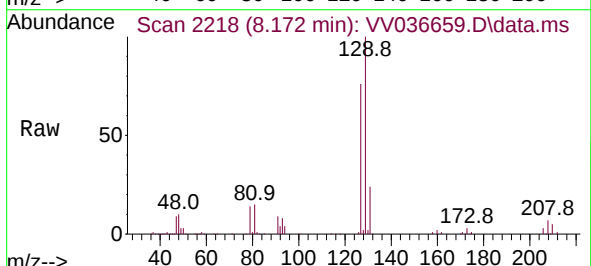
Acq: 23 Jul 2024 20:07

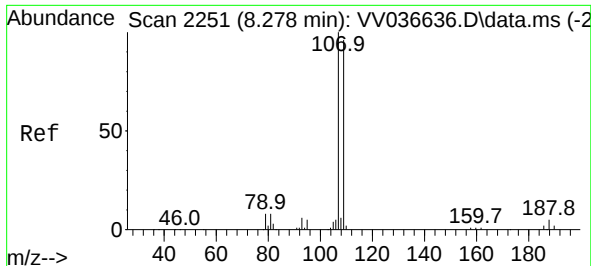
Tgt Ion:129 Resp: 147974

Ion Ratio Lower Upper

129 100

127 76.1 54.3 100.9

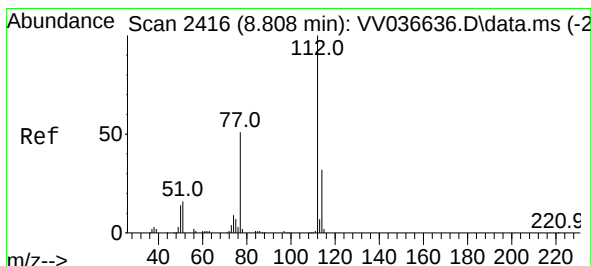
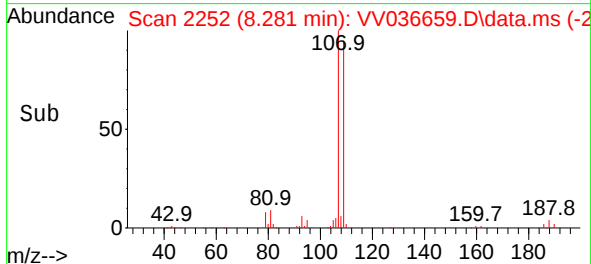
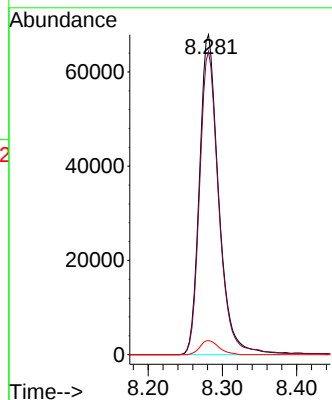
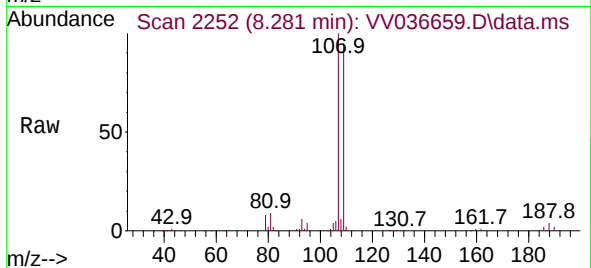




#50
1,2-Dibromoethane
Concen: 26.705 ug/L
RT: 8.281 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

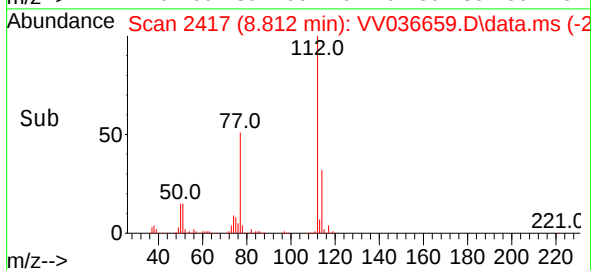
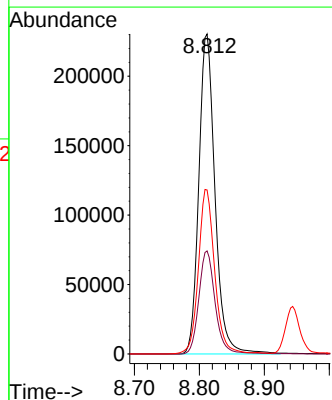
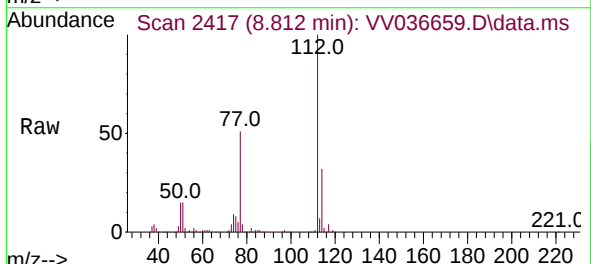
Instrument :
MSVOA_V
ClientSampleId :

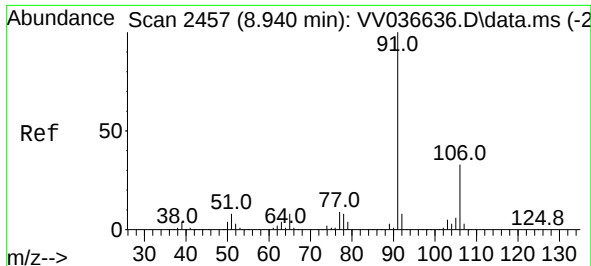
Tgt Ion:107 Resp: 122377
Ion Ratio Lower Upper
107 100
109 94.7 65.5 121.6
188 4.4 3.4 5.2



#51
Chlorobenzene
Concen: 24.565 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

Tgt Ion:112 Resp: 400329
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.7
77 51.2 41.9 62.9

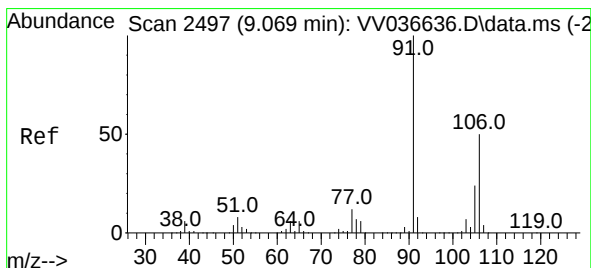
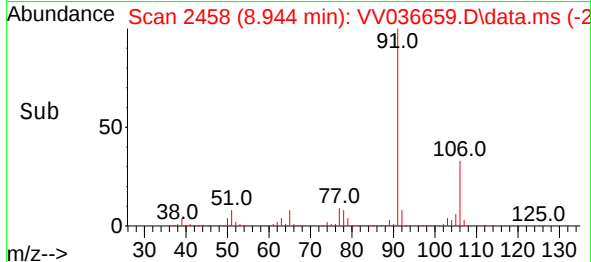
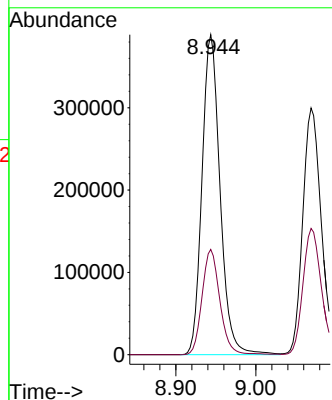
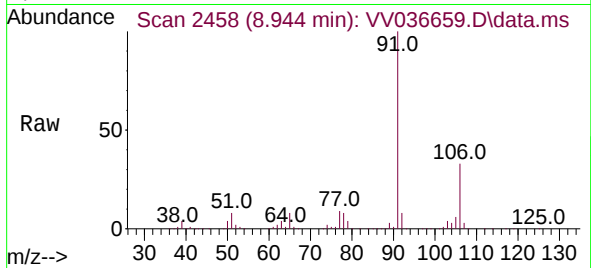




#52
Ethylbenzene
Concen: 24.732 ug/L
RT: 8.944 min Scan# 2457
Delta R.T. 0.003 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

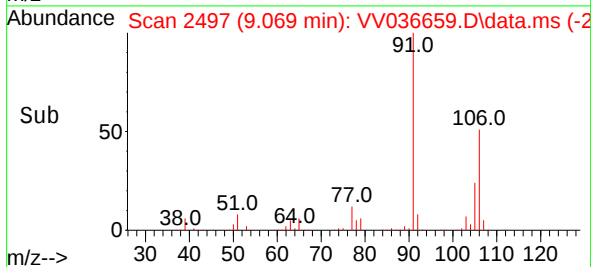
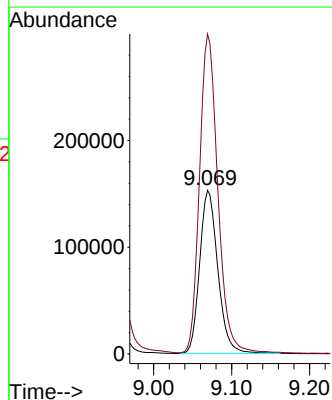
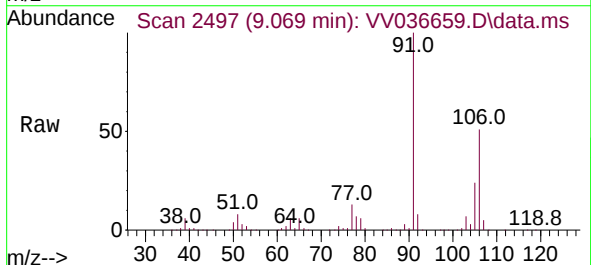
Instrument :
MSVOA_V
ClientSampleId :

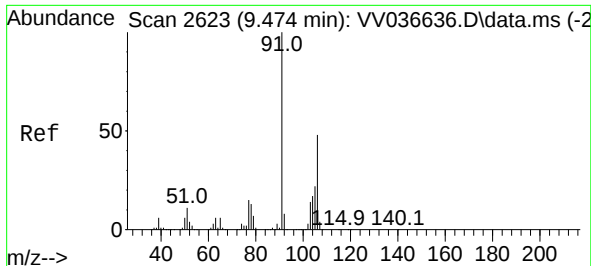
Tgt Ion: 91 Resp: 612349
Ion Ratio Lower Upper
91 100
106 32.9 22.5 41.7



#53
m,p-Xylene
Concen: 25.633 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.000 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

Tgt Ion:106 Resp: 247783
Ion Ratio Lower Upper
106 100
91 195.5 136.8 254.0





#54

o-Xylene

Concen: 25.159 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Instrument :

MSVOA_V

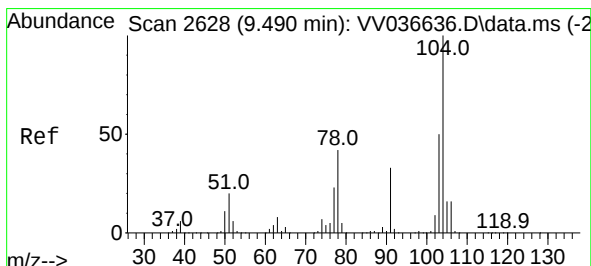
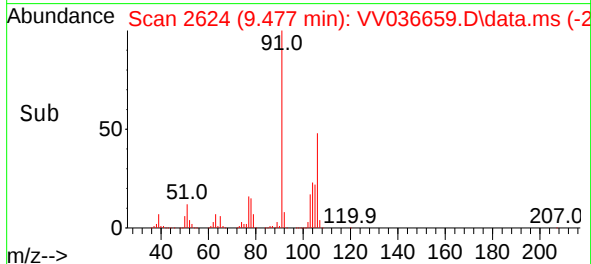
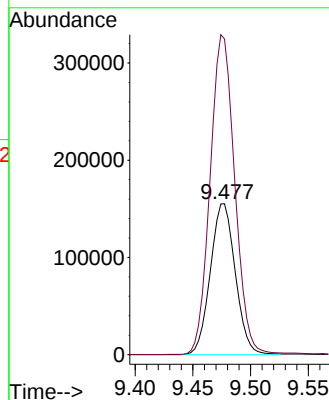
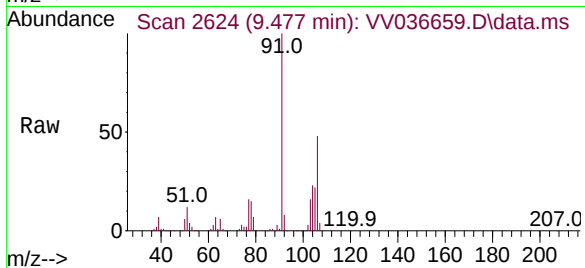
ClientSampleId :

Tgt Ion:106 Resp: 233671

Ion Ratio Lower Upper

106 100

91 209.2 146.1 271.3



#55

Styrene

Concen: 27.194 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.003 min

Lab File: VV036659.D

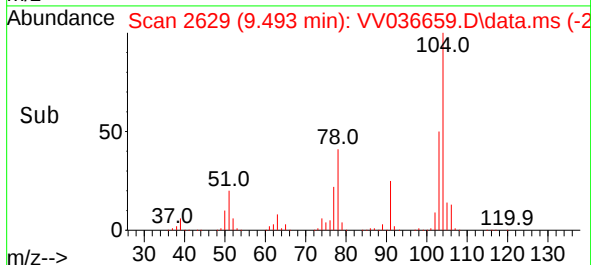
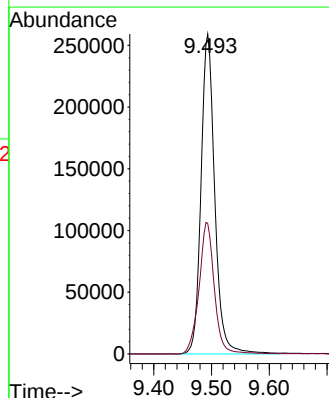
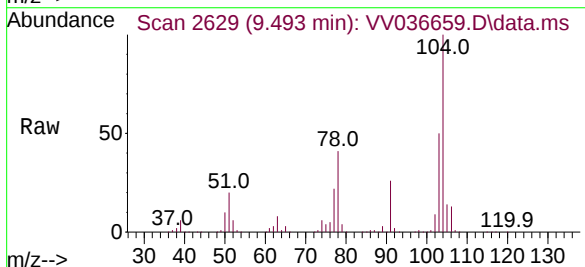
Acq: 23 Jul 2024 20:07

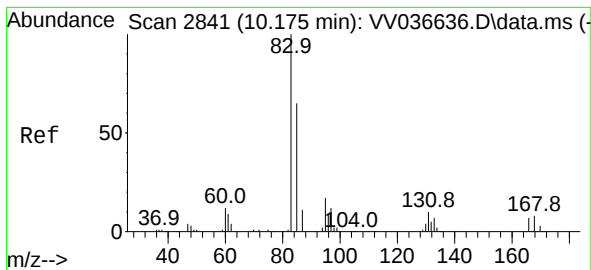
Tgt Ion:104 Resp: 428269

Ion Ratio Lower Upper

104 100

78 40.8 29.7 55.1

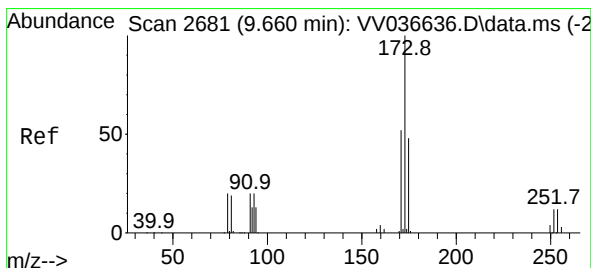
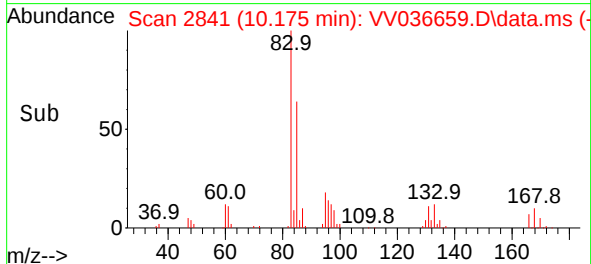
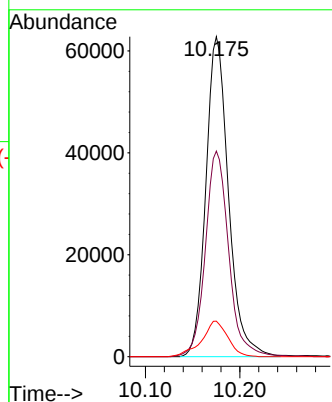
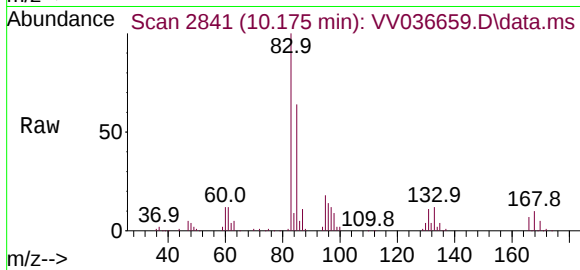




#57
1,1,2,2-Tetrachloroethane
Concen: 25.271 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

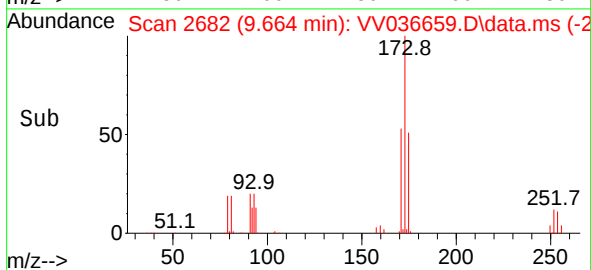
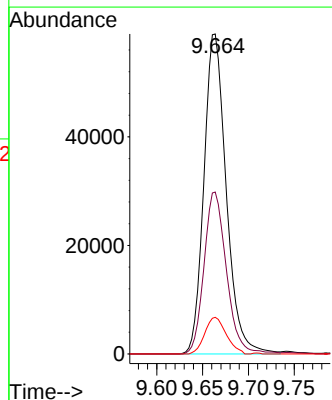
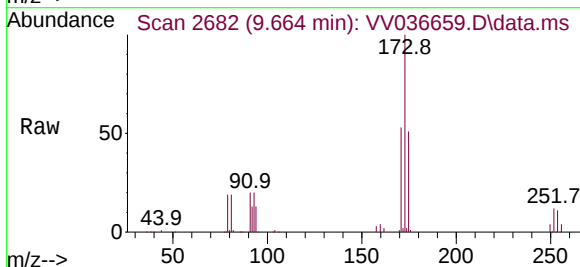
Instrument :
MSVOA_V
ClientSampleId :

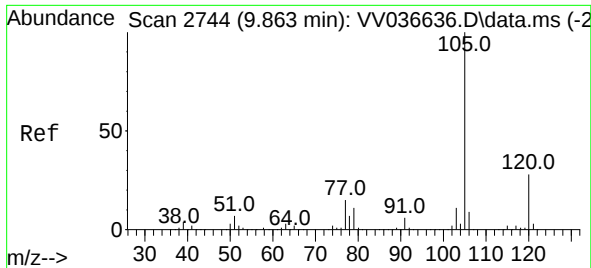
Tgt Ion: 83 Resp: 104439
Ion Ratio Lower Upper
83 100
85 64.3 44.9 83.3
131 11.1 9.3 13.9



#59
Bromoform
Concen: 25.014 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.003 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

Tgt Ion:173 Resp: 100097
Ion Ratio Lower Upper
173 100
175 50.5 39.6 59.4
254 11.0 8.2 12.4

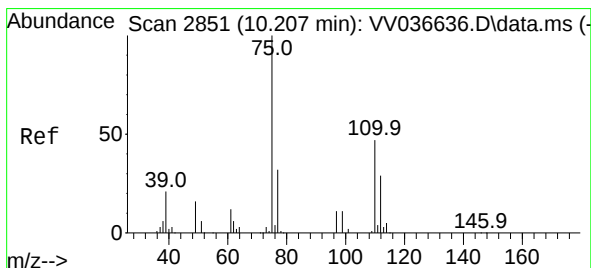
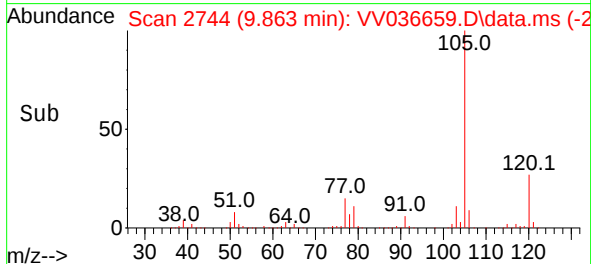
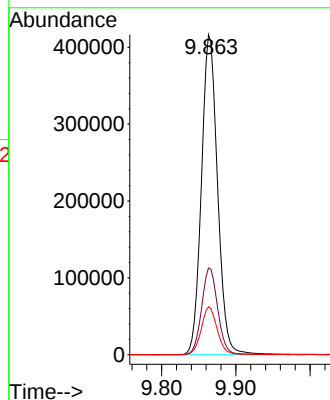
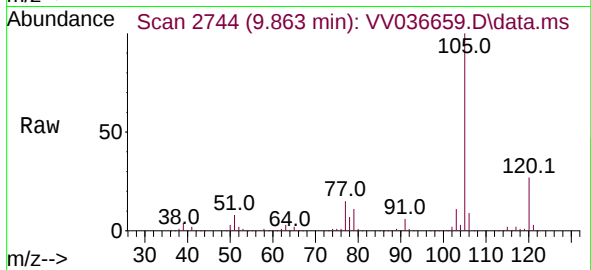




#60
Isopropylbenzene
Concen: 24.157 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

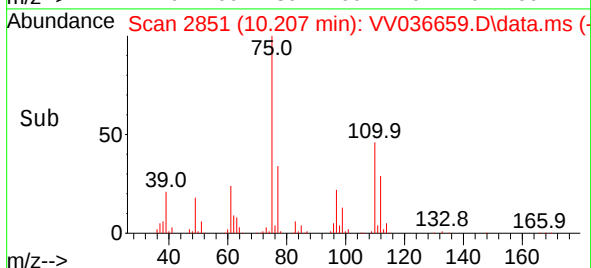
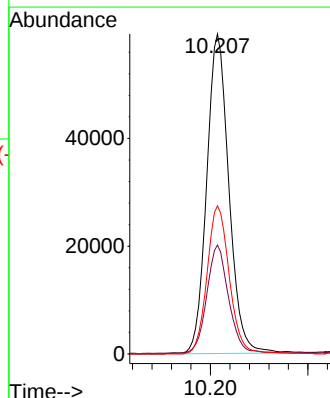
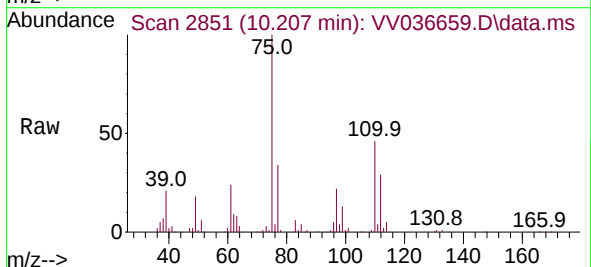
Instrument :
MSVOA_V
ClientSampleId :

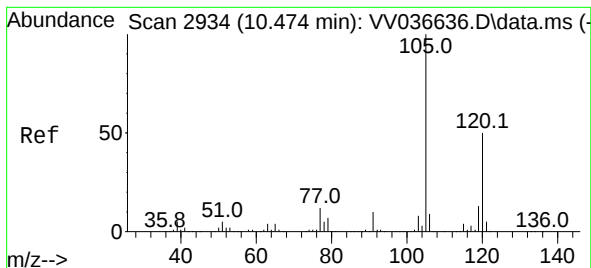
Tgt Ion:105 Resp: 628109
Ion Ratio Lower Upper
105 100
120 27.1 22.1 33.1
77 14.7 11.8 17.6



#61
1,2,3-Trichloropropane
Concen: 25.002 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

Tgt Ion: 75 Resp: 93651
Ion Ratio Lower Upper
75 100
77 33.1 25.9 38.9
110 46.9 36.2 54.4





#62

1,3,5-Trimethylbenzene

Concen: 25.266 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Instrument :

MSVOA_V

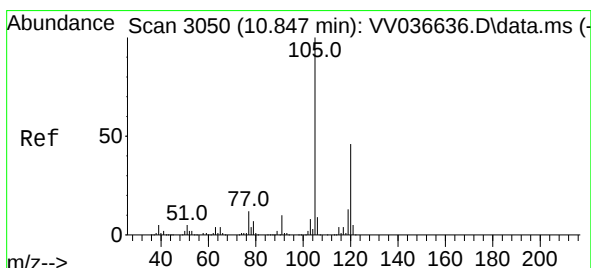
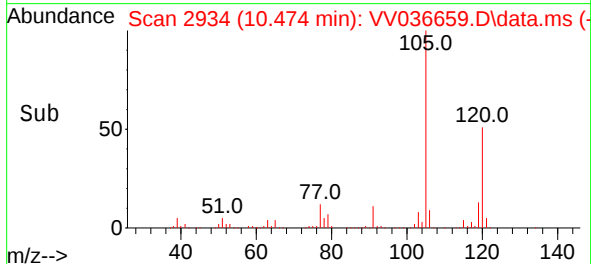
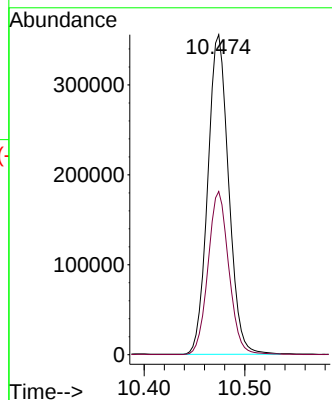
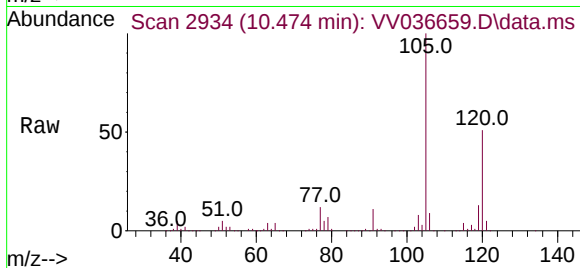
ClientSampleId :

Tgt Ion:105 Resp: 512429

Ion Ratio Lower Upper

105 100

120 51.0 39.8 59.8



#63

1,2,4-Trimethylbenzene

Concen: 25.272 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VV036659.D

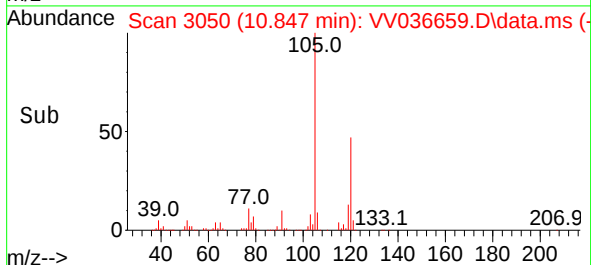
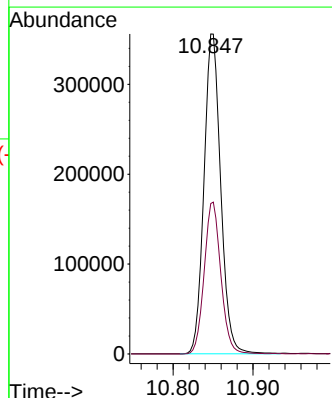
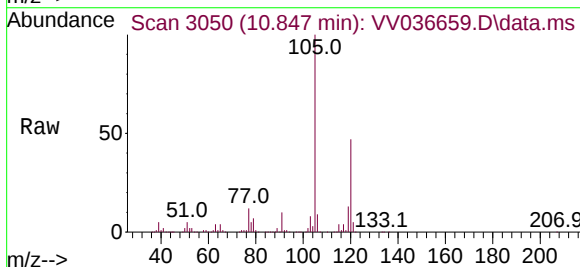
Acq: 23 Jul 2024 20:07

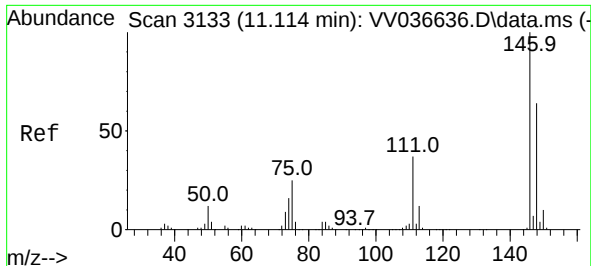
Tgt Ion:105 Resp: 518850

Ion Ratio Lower Upper

105 100

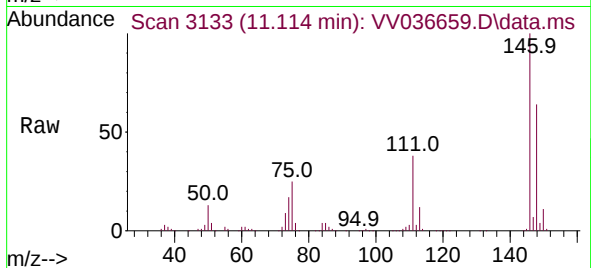
120 47.2 37.2 55.8



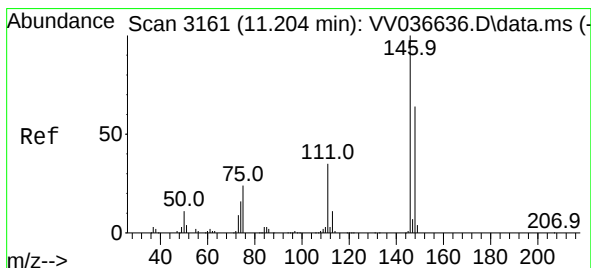
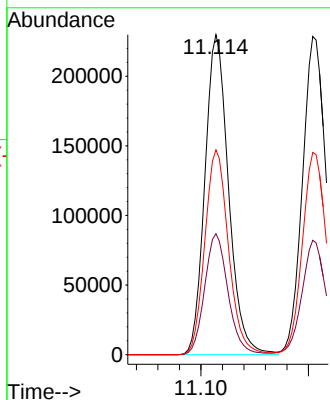
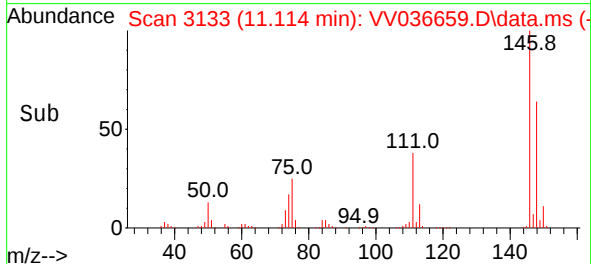


#64
1,3-Dichlorobenzene
Concen: 24.214 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. 0.000 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07

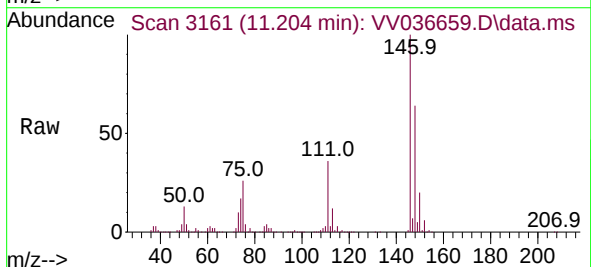
Instrument :
MSVOA_V
ClientSampleId :



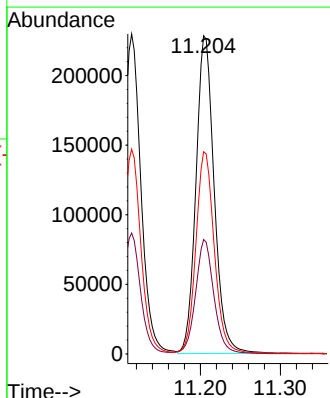
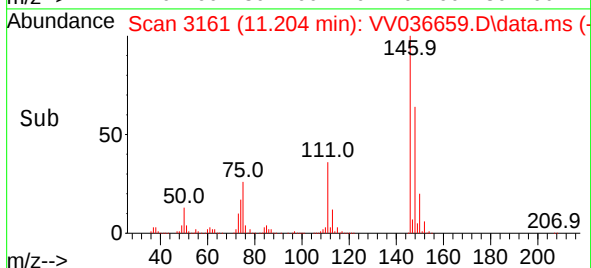
Tgt Ion:146 Resp: 351950
Ion Ratio Lower Upper
146 100
111 37.8 25.5 47.3
148 64.0 44.6 82.8

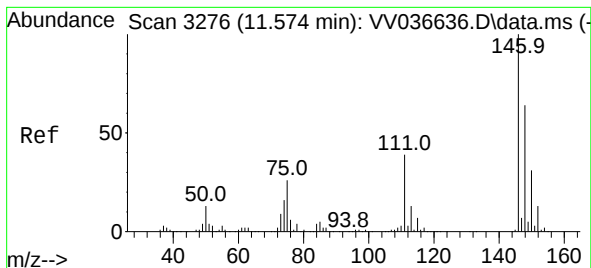


#65
1,4-Dichlorobenzene
Concen: 24.214 ug/L
RT: 11.204 min Scan# 3161
Delta R.T. 0.000 min
Lab File: VV036659.D
Acq: 23 Jul 2024 20:07



Tgt Ion:146 Resp: 362450
Ion Ratio Lower Upper
146 100
111 36.0 24.9 46.3
148 63.6 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 24.383 ug/L

RT: 11.577 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Instrument :

MSVOA_V

ClientSampleId :

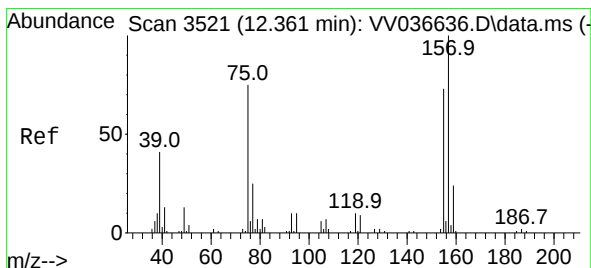
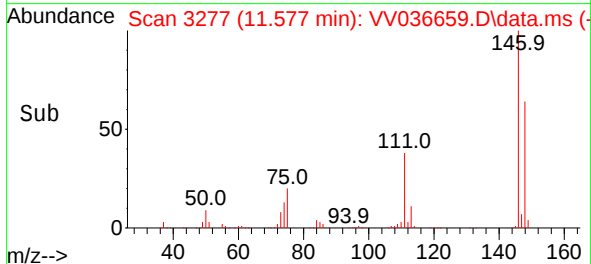
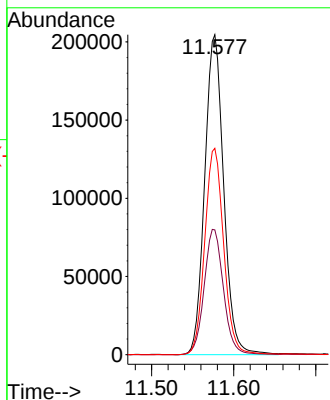
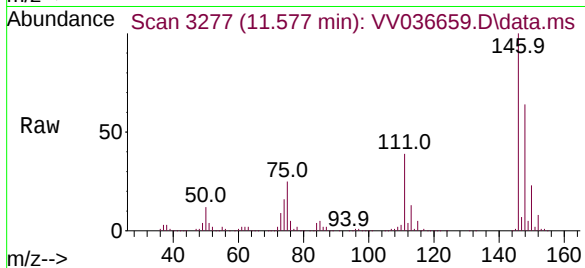
Tgt Ion:146 Resp: 329526

Ion Ratio Lower Upper

146 100

111 39.0 31.3 46.9

148 64.5 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 25.109 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

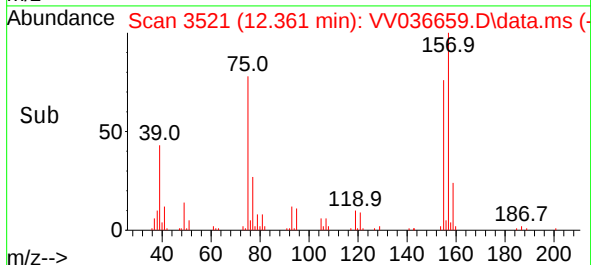
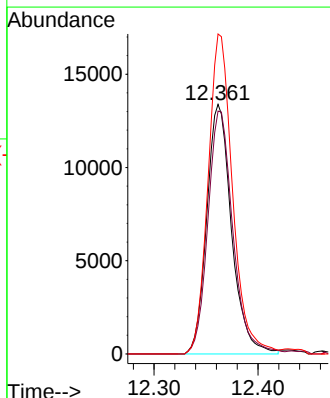
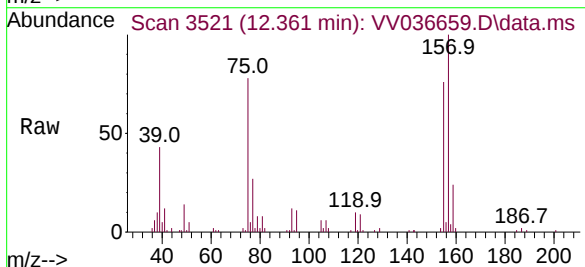
Tgt Ion: 75 Resp: 22148

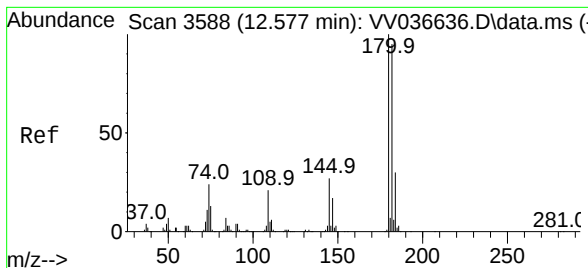
Ion Ratio Lower Upper

75 100

155 97.3 79.5 119.3

157 128.2 100.2 150.4





#69

1,3,5-Trichlorobenzene

Concen: 23.498 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

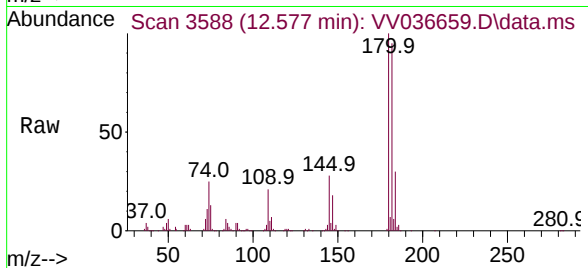
Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 269426

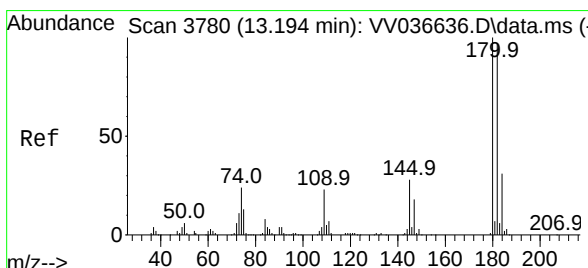
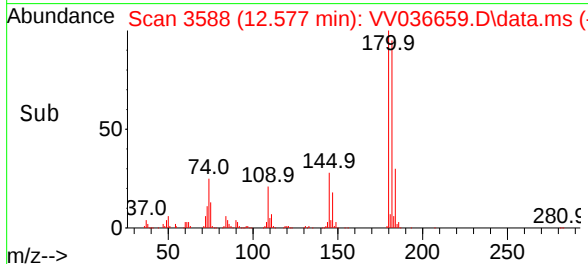
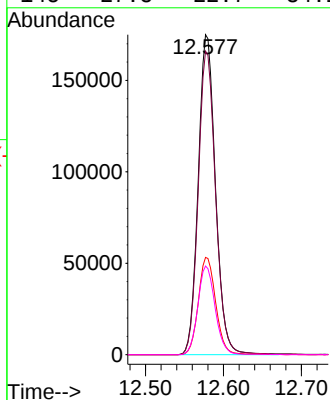
Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.4

184 30.5 24.6 36.8

145 27.8 22.7 34.1



#70

1,2,4-trichlorobenzene

Concen: 23.761 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

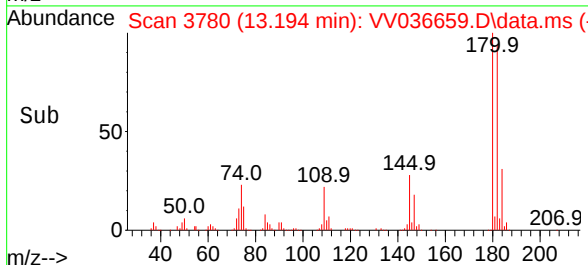
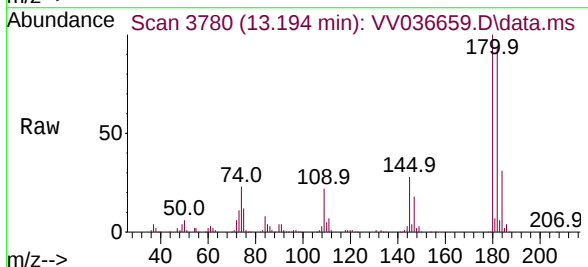
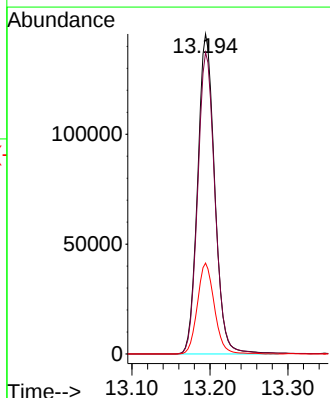
Tgt Ion:180 Resp: 221306

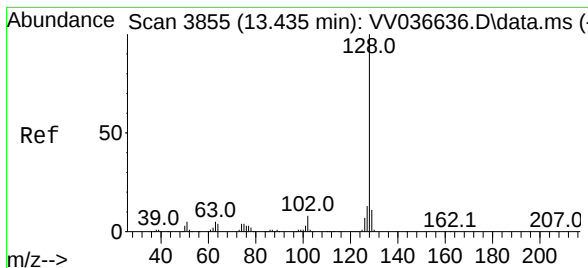
Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.2

145 28.2 23.0 34.6





#71

Naphthalene

Concen: 25.313 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Instrument :

MSVOA_V

ClientSampleId :

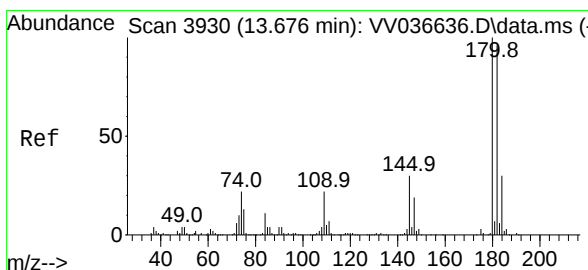
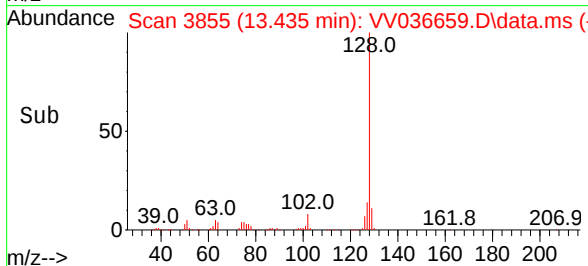
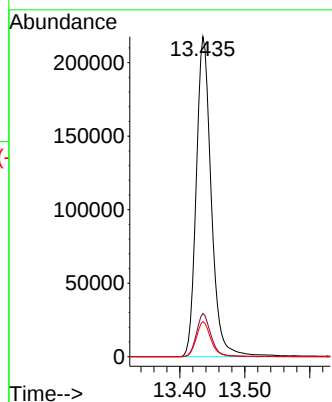
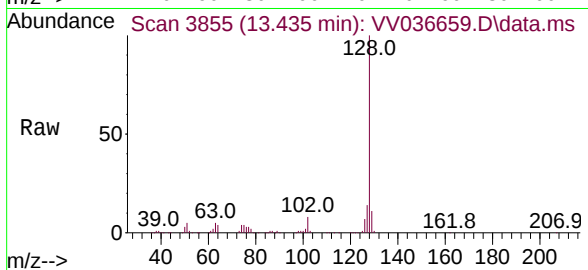
Tgt Ion:128 Resp: 350716

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 25.520 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036659.D

Acq: 23 Jul 2024 20:07

Tgt Ion:180 Resp: 214462

Ion Ratio Lower Upper

180 100

182 95.1 75.6 113.4

145 30.2 24.6 37.0

