

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061724\
 Data File : VW036094.D
 Acq On : 17 Jun 2024 09:56
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 18 02:05:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 15 01:30:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	465049	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	449113	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	227523	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	227152	26.568	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 106.280%	
7) Chloroethane-d5	1.526	69	181377	26.605	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 106.400%	
11) 1,1-Dichloroethene-d2	2.050	65	97635	25.651	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 102.600%	
21) 2-Butanone-d5	3.809	46	79715	40.636	ug/L	-0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	= 81.280%	
24) Chloroform-d	4.236	84	377642	25.542	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 102.160%	
26) 1,2-Dichloroethane-d4	4.934	65	185094	23.877	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 95.520%	
32) Benzene-d6	4.950	84	725604	27.180	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 108.720%	
36) 1,2-Dichloropropane-d6	5.982	67	219512	26.111	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 104.440%	
41) Toluene-d8	7.236	98	661590	28.087	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 112.360%	
43) trans-1,3-Dichloroprop...	7.548	79	87355	25.342	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 101.360%	
47) 2-Hexanone-d5	8.027	63	50379	44.230	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 88.460%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	140325	22.337	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 89.360%	
66) 1,2-Dichlorobenzene-d4	11.554	152	207615	24.883	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 99.520%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.101	85	196439	23.427	ug/L	99
3) Chloromethane	1.211	50	227166	23.606	ug/L	98
5) Vinyl chloride	1.275	62	252607	24.934	ug/L	100
6) Bromomethane	1.481	94	155764	24.784	ug/L	98
8) Chloroethane	1.542	64	161668	25.673	ug/L	99
9) Trichlorofluoromethane	1.706	101	332020	26.390	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	206140	25.817	ug/L	99
12) 1,1-Dichloroethene	2.060	96	190069	25.523	ug/L	95
14) Carbon disulfide	2.230	76	649472	25.114	ug/L	100
15) Methyl Acetate	2.378	43	76276	20.082	ug/L	98
16) Methylene chloride	2.439	84	214862	20.418	ug/L	99
17) trans-1,2-Dichloroethene	2.683	96	195707	24.739	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	390538	21.990	ug/L	98
19) 1,1-Dichloroethane	3.101	63	368753	24.477	ug/L	100
20) cis-1,2-Dichloroethene	3.805	96	191667	24.112	ug/L	99
22) 2-Butanone	3.889	43	103194	39.800	ug/L #	78
23) Bromochloromethane	4.137	128	94400	23.676	ug/L	97
25) Chloroform	4.265	83	375779	24.248	ug/L	99
27) 1,2-Dichloroethane	5.034	62	227369	23.501	ug/L	99

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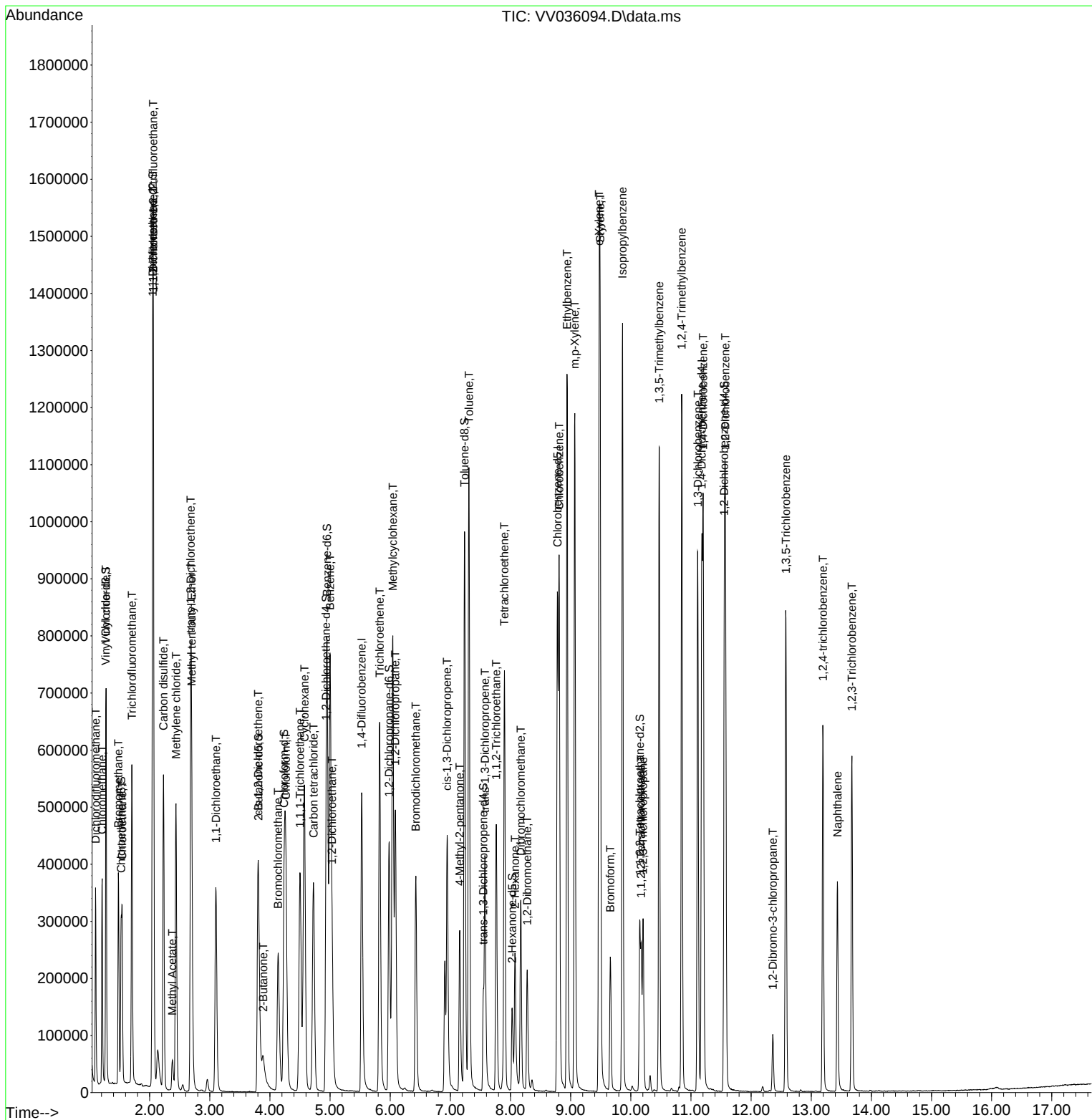
Instrument :
 MSVOA_V
 ClientSampleId :

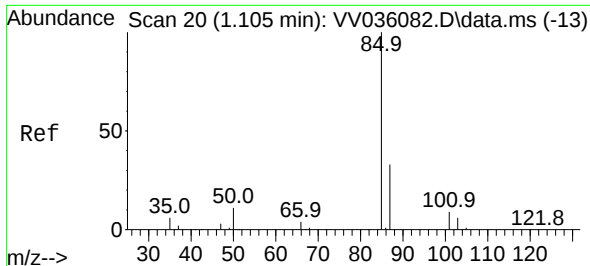
Quant Time: Jun 18 02:05:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 15 01:30:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.574	56	283071	26.472	ug/L	100
30) 1,1,1-Trichloroethane	4.500	97	326045	26.555	ug/L	99
31) Carbon tetrachloride	4.725	117	289278	26.856	ug/L	100
33) Benzene	5.002	78	789851	26.890	ug/L	100
34) Trichloroethene	5.825	95	231298	25.693	ug/L	99
35) Methylcyclohexane	6.043	83	328061	26.351	ug/L	99
37) 1,2-Dichloropropane	6.085	63	200556	26.003	ug/L	100
38) Bromodichloromethane	6.426	83	260337	25.502	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	288734	25.029	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	181919	43.413	ug/L	97
42) Toluene	7.310	91	825784	27.513	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	248194	24.909	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	150073	23.516	ug/L	99
46) Tetrachloroethene	7.899	164	168800	25.637	ug/L	99
48) 2-Hexanone	8.075	43	151664	46.296	ug/L	97
49) Dibromochloromethane	8.172	129	171660	24.577	ug/L	98
50) 1,2-Dibromoethane	8.278	107	141319	23.078	ug/L	98
51) Chlorobenzene	8.808	112	505243	24.706	ug/L	98
52) Ethylbenzene	8.940	91	855651	26.646	ug/L	99
53) m,p-Xylene	9.069	106	330864	27.421	ug/L	99
54) o-Xylene	9.474	106	298977	26.275	ug/L	99
55) Styrene	9.490	104	547795	27.300	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	122617	21.458	ug/L	99
59) Bromoform	9.660	173	106113	24.730	ug/L	100
60) Isopropylbenzene	9.863	105	826458	28.313	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	122465	22.758	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	581820	27.488	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	631171	27.676	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	387564	25.283	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	396493	25.059	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	352459	24.433	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	26616	22.119	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	263322	22.964	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	198925	22.033	ug/L	100
71) Naphthalene	13.435	128	290197	19.696	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	177769	21.577	ug/L	99

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

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Quant Title : VOC Analysis
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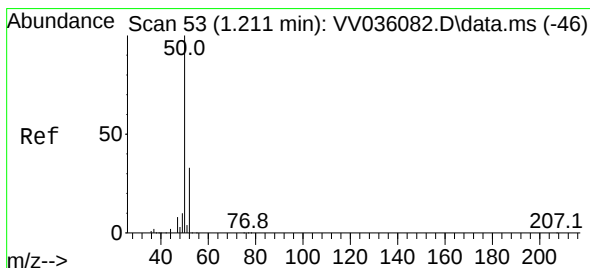
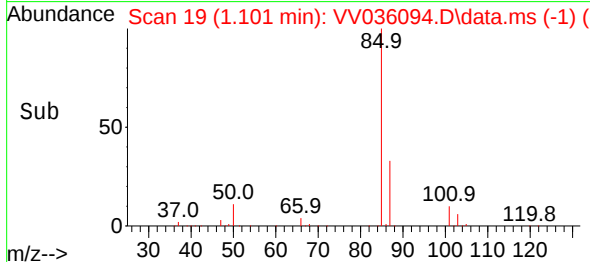
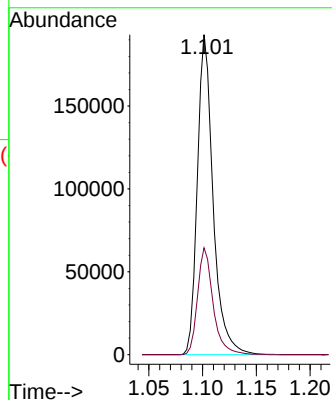
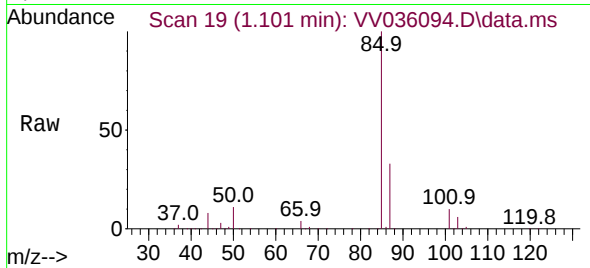




#2
Dichlorodifluoromethane
Concen: 23.427 ug/L
RT: 1.101 min Scan# 19
Delta R.T. -0.003 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

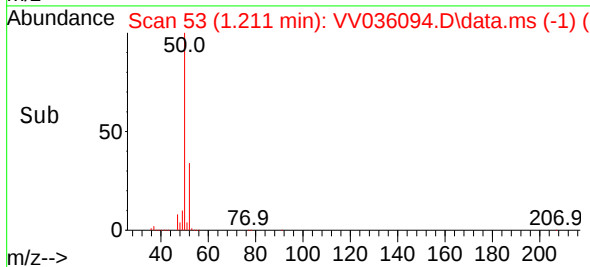
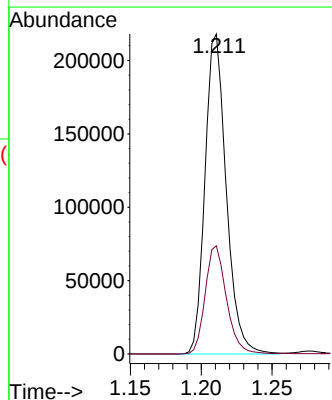
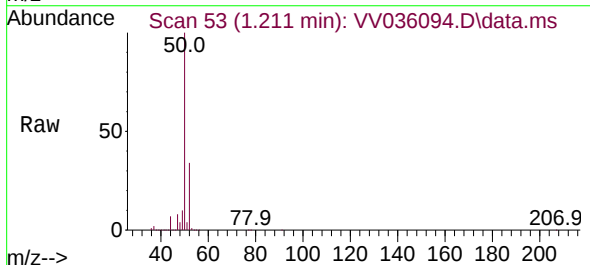
Instrument :
MSVOA_V
ClientSampleId :

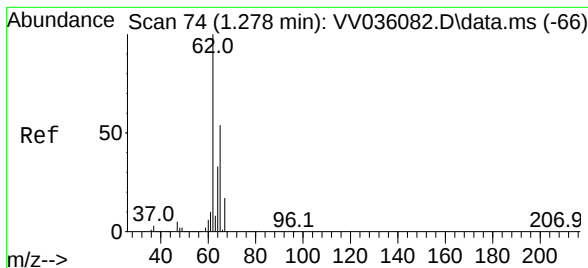
Tgt Ion: 85 Resp: 196439
Ion Ratio Lower Upper
85 100
87 33.0 25.9 38.9



#3
Chloromethane
Concen: 23.606 ug/L
RT: 1.211 min Scan# 53
Delta R.T. -0.000 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

Tgt Ion: 50 Resp: 227166
Ion Ratio Lower Upper
50 100
52 33.8 22.8 42.4





#5

Vinyl chloride

Concen: 24.934 ug/L

RT: 1.275 min Scan# 74

Delta R.T. -0.003 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

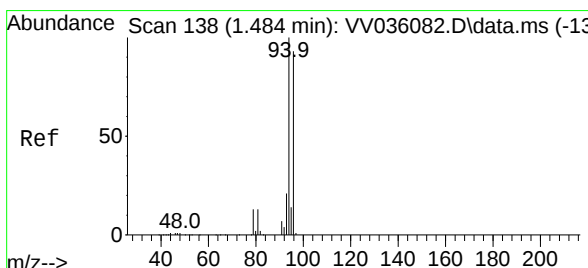
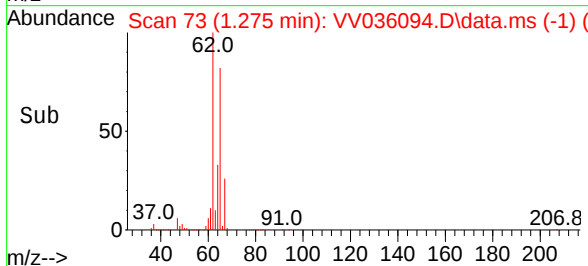
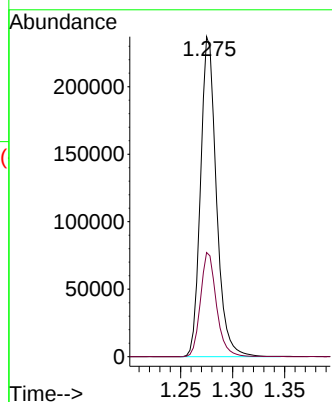
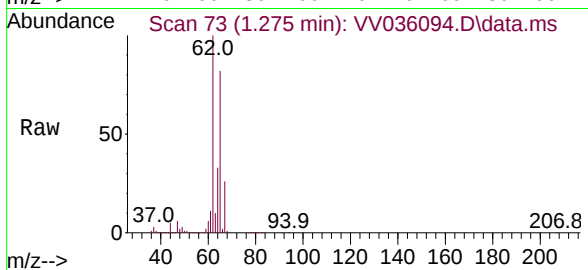
ClientSampleId :

Tgt Ion: 62 Resp: 252607

Ion Ratio Lower Upper

62 100

64 32.5 22.9 42.5



#6

Bromomethane

Concen: 24.784 ug/L

RT: 1.481 min Scan# 137

Delta R.T. -0.003 min

Lab File: VV036094.D

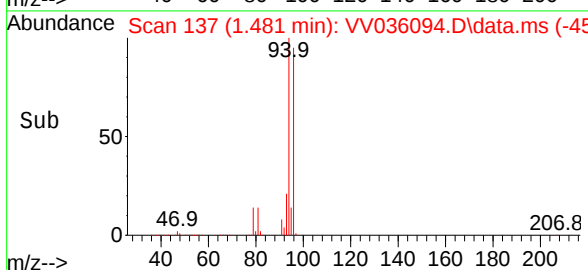
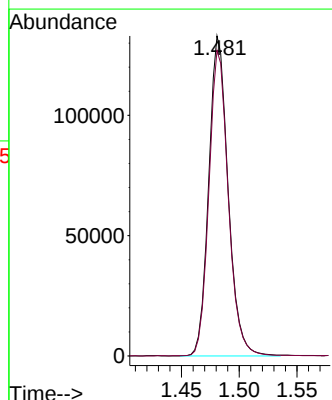
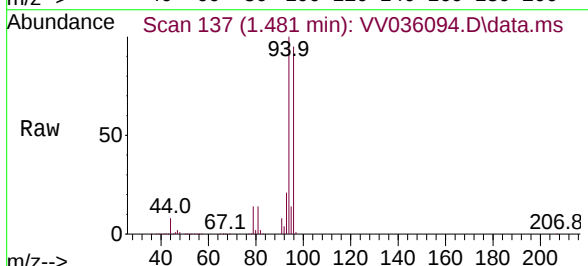
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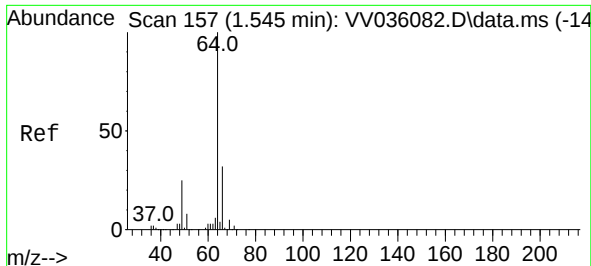
Tgt Ion: 94 Resp: 155764

Ion Ratio Lower Upper

94 100

96 95.4 65.7 122.1

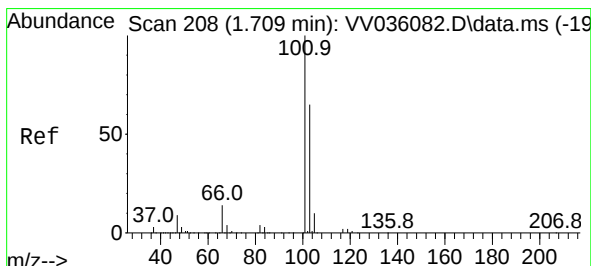
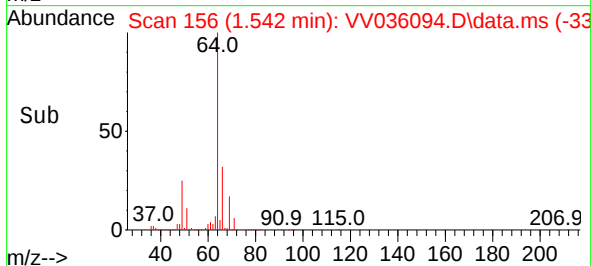
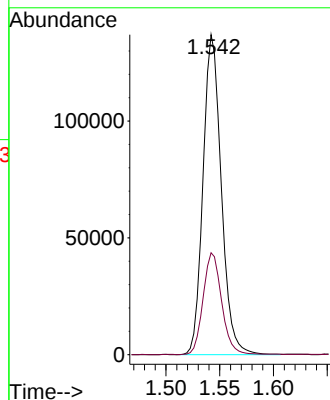
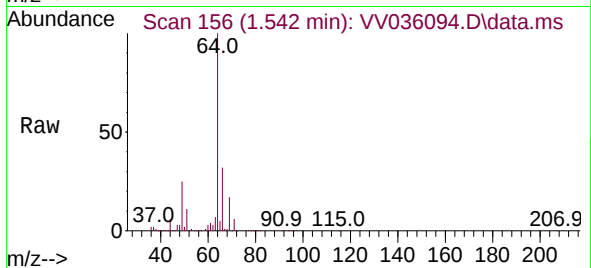




#8
Chloroethane
Concen: 25.673 ug/L
RT: 1.542 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

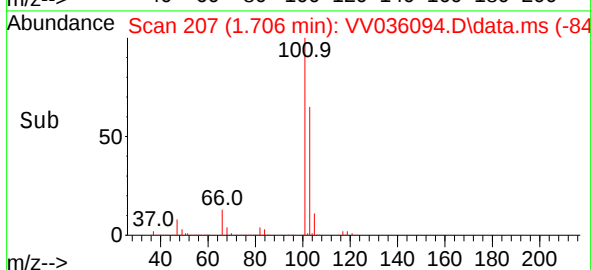
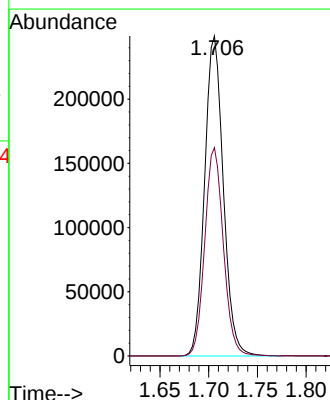
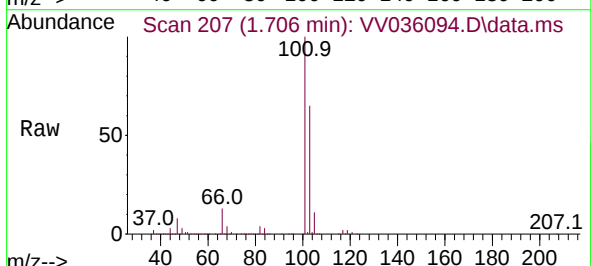
Instrument :
MSVOA_V
ClientSampleId :

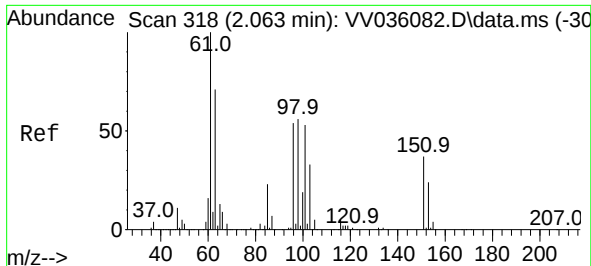
Tgt Ion: 64 Resp: 161668
Ion Ratio Lower Upper
64 100
66 31.8 22.0 41.0



#9
Trichlorofluoromethane
Concen: 26.390 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.003 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

Tgt Ion:101 Resp: 332020
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8





#10

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

Concen: 25.817 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.003 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

ClientSampleId :

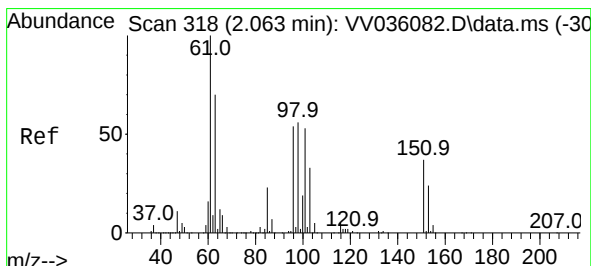
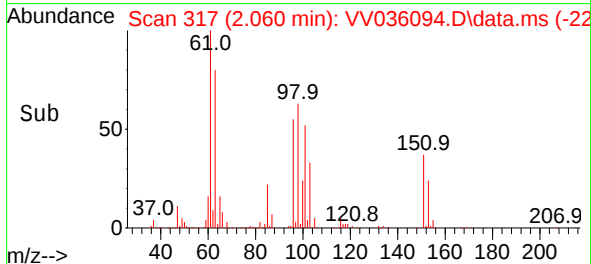
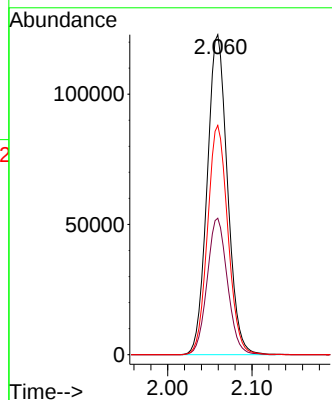
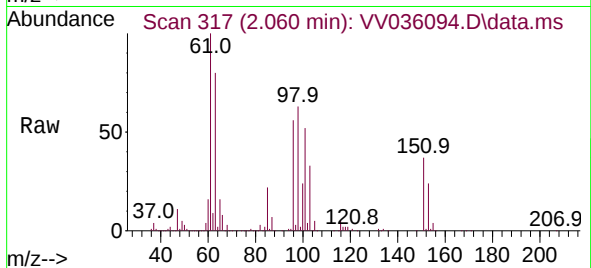
Tgt Ion:101 Resp: 206140

Ion Ratio Lower Upper

101 100

85 42.7 34.5 51.7

151 71.8 56.3 84.5



#12

1,1-Dichloroethene

Concen: 25.523 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.003 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

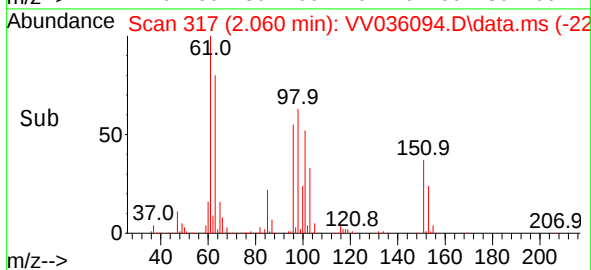
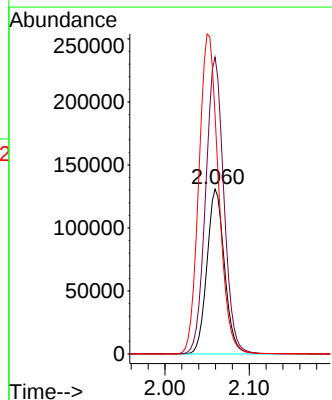
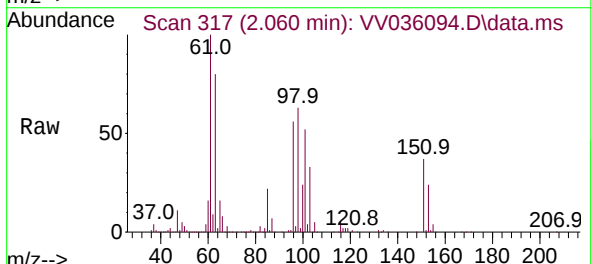
Tgt Ion: 96 Resp: 190069

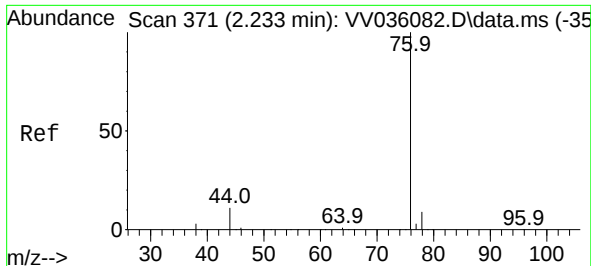
Ion Ratio Lower Upper

96 100

61 180.1 127.3 236.3

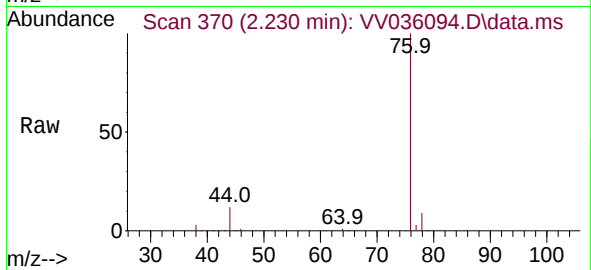
63 144.9 93.7 173.9



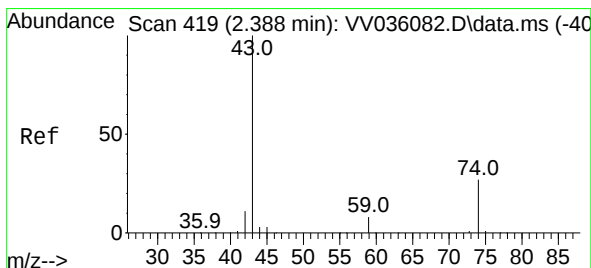
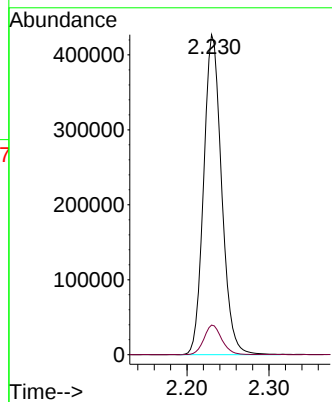
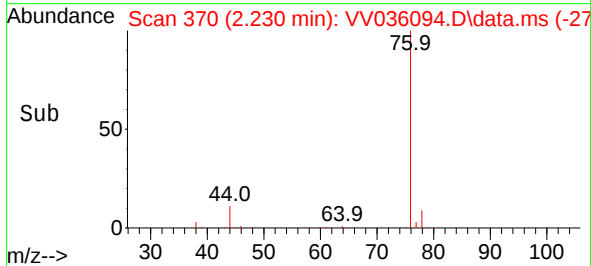


#14
Carbon disulfide
Concen: 25.114 ug/L
RT: 2.230 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

Instrument :
MSVOA_V
ClientSampleId :

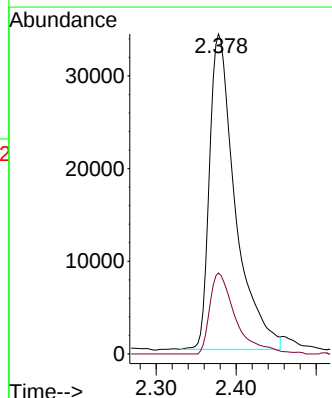
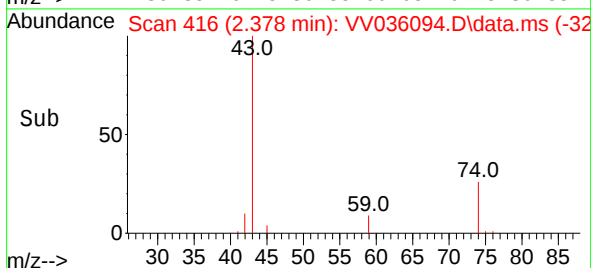
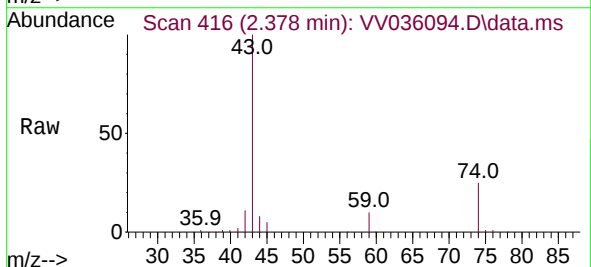


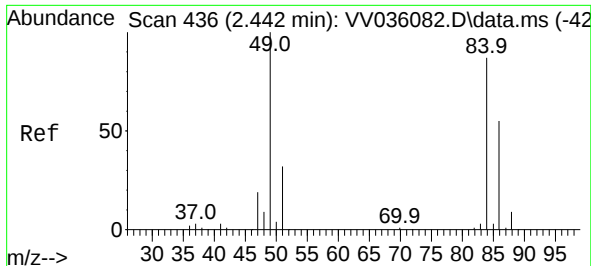
Tgt Ion: 76 Resp: 649472
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#15
Methyl Acetate
Concen: 20.082 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.010 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

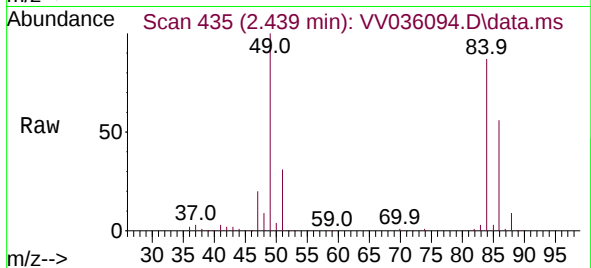
Tgt Ion: 43 Resp: 76276
Ion Ratio Lower Upper
43 100
74 25.8 21.4 32.2



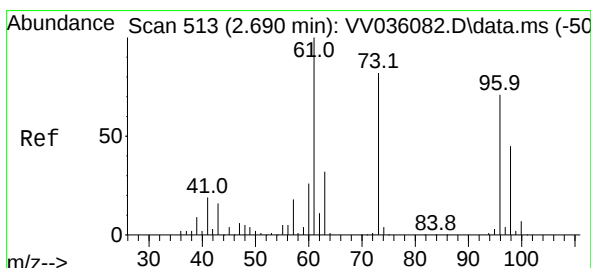
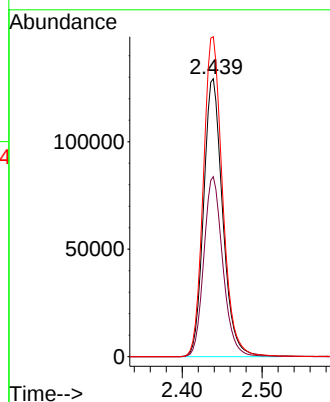
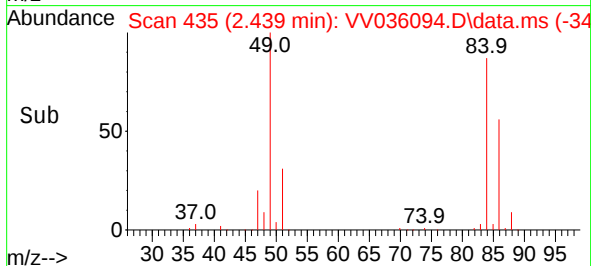


#16
Methylene chloride
Concen: 20.418 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

Instrument :
MSVOA_V
ClientSampleId :

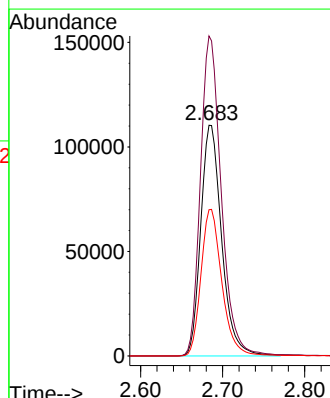
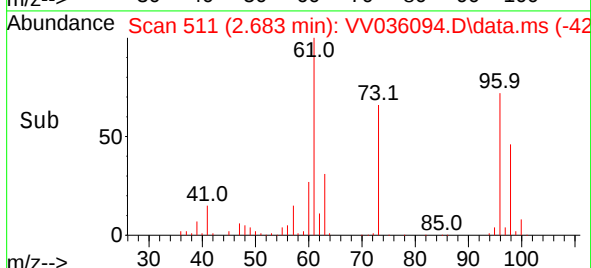
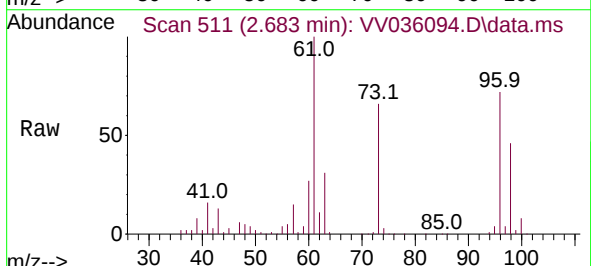


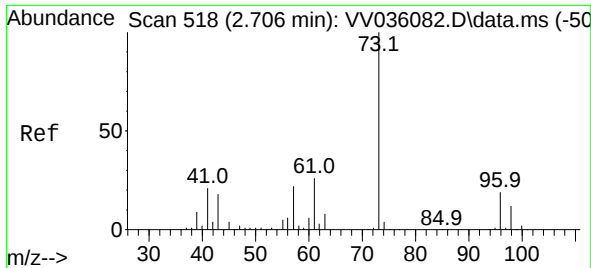
Tgt Ion: 84 Resp: 214862
Ion Ratio Lower Upper
84 100
86 64.8 44.6 82.8
49 115.1 81.1 150.5



#17
trans-1,2-Dichloroethene
Concen: 24.739 ug/L
RT: 2.683 min Scan# 511
Delta R.T. -0.007 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

Tgt Ion: 96 Resp: 195707
Ion Ratio Lower Upper
96 100
61 138.7 99.4 184.6
98 63.4 44.9 83.3

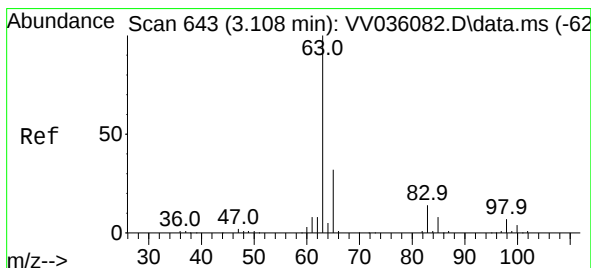
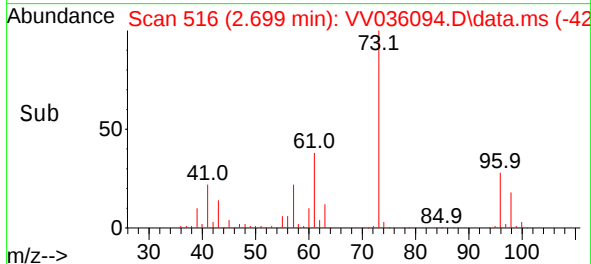
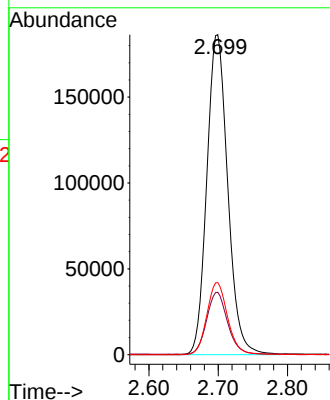
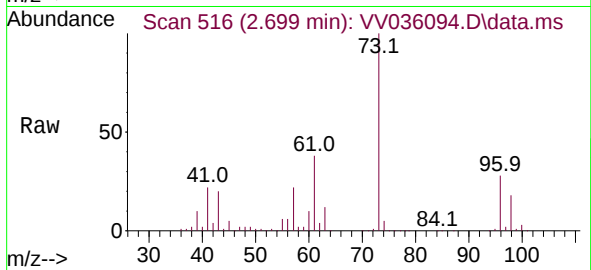




#18
Methyl tert-butyl Ether
Concen: 21.990 ug/L
RT: 2.699 min Scan# 518
Delta R.T. -0.007 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

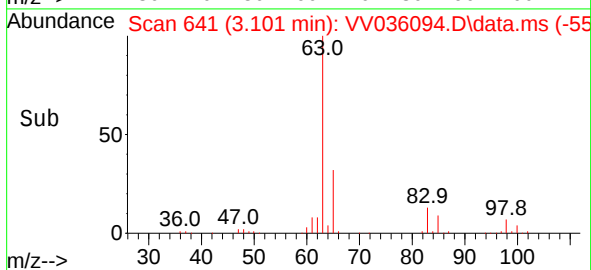
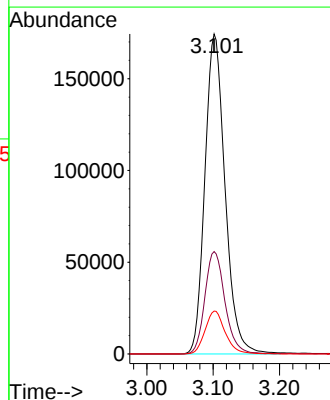
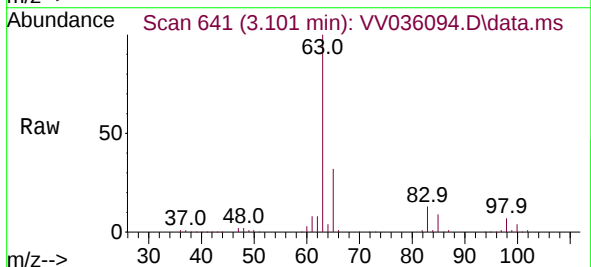
Instrument :
MSVOA_V
ClientSampleId :

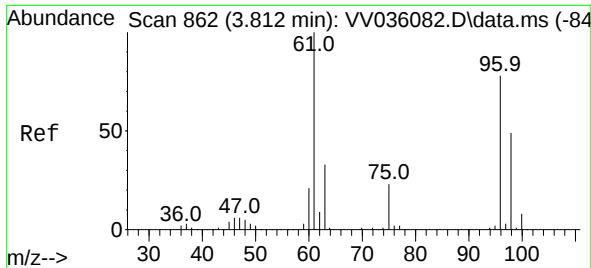
Tgt Ion: 73 Resp: 390538
Ion Ratio Lower Upper
73 100
43 19.3 14.3 21.5
57 22.3 17.8 26.6



#19
1,1-Dichloroethane
Concen: 24.477 ug/L
RT: 3.101 min Scan# 641
Delta R.T. -0.007 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

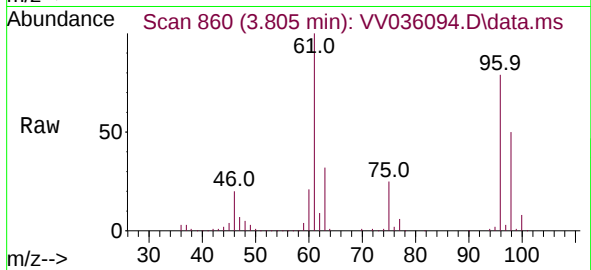
Tgt Ion: 63 Resp: 368753
Ion Ratio Lower Upper
63 100
65 32.0 22.4 41.6
83 13.4 9.2 17.0





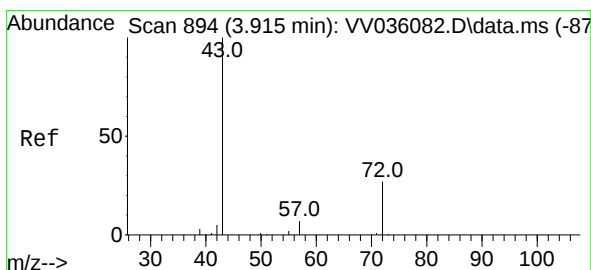
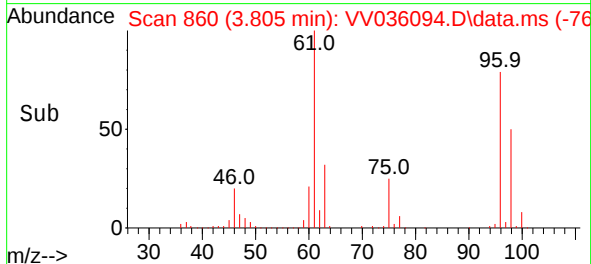
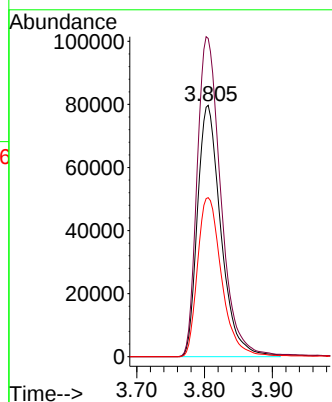
#20
cis-1,2-Dichloroethene
Concen: 24.112 ug/L
RT: 3.805 min Scan# 80
Delta R.T. -0.007 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 191667

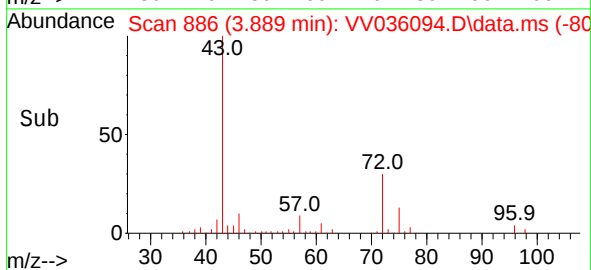
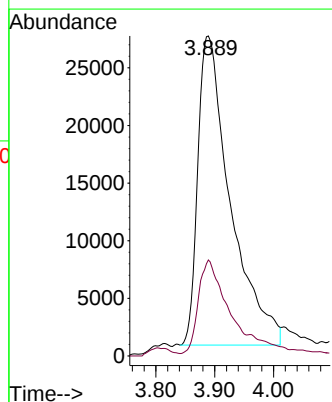
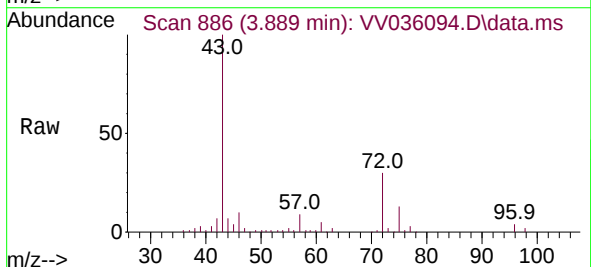
Ion	Ratio	Lower	Upper
96	100		
61	126.6	87.9	163.3
98	63.3	44.4	82.5

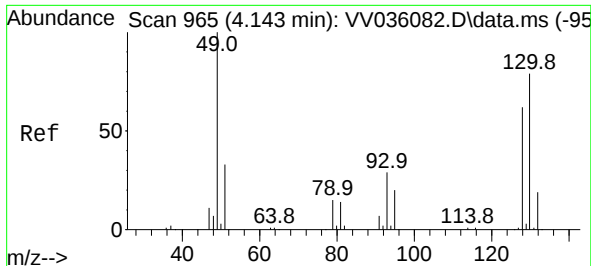


#22
2-Butanone
Concen: 39.800 ug/L
RT: 3.889 min Scan# 886
Delta R.T. -0.026 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

Tgt Ion: 43 Resp: 103194

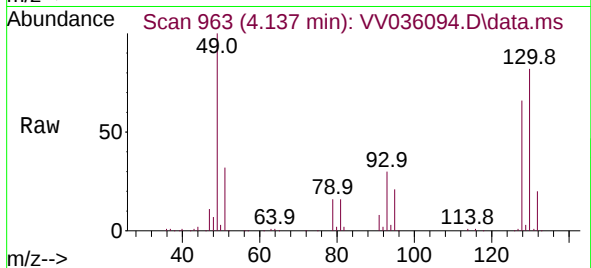
Ion	Ratio	Lower	Upper
43	100		
72	25.6	8.2	24.4



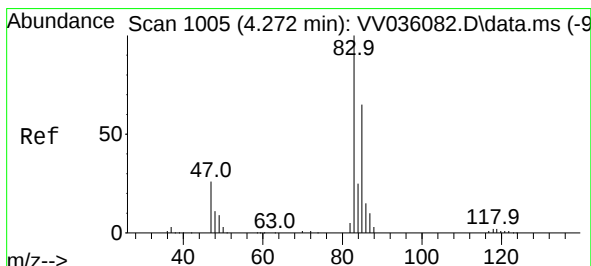
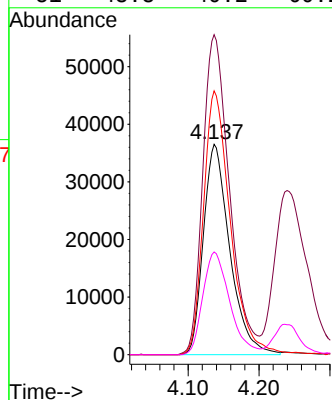
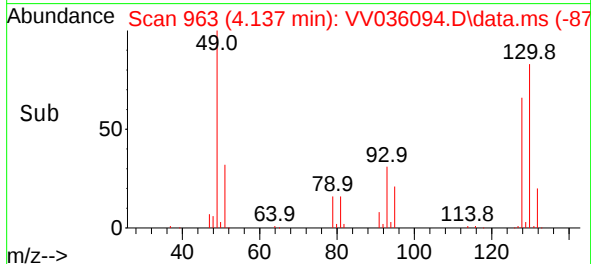


#23
Bromochloromethane
Concen: 23.676 ug/L
RT: 4.137 min Scan# 90
Delta R.T. -0.007 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

Instrument :
MSVOA_V
ClientSampleId :

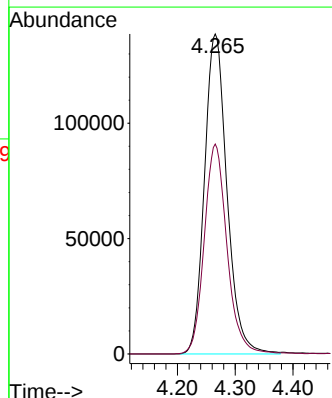
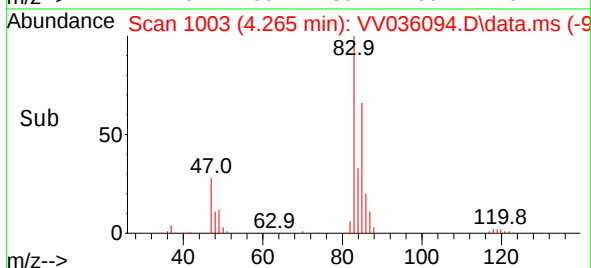
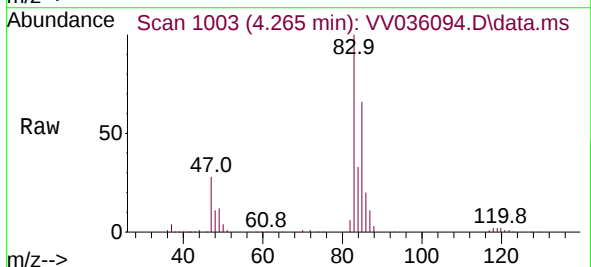


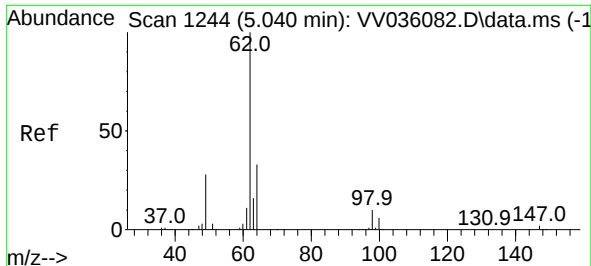
Tgt Ion:	128	Resp:	94400
Ion	Ratio	Lower	Upper
128	100		
49	152.1	110.2	204.6
130	125.5	90.2	167.4
51	48.8	40.2	60.2



#25
Chloroform
Concen: 24.248 ug/L
RT: 4.265 min Scan# 1003
Delta R.T. -0.007 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

Tgt Ion:	83	Resp:	375779
Ion	Ratio	Lower	Upper
83	100		
85	65.6	45.2	84.0





#27

1,2-Dichloroethane

Concen: 23.501 ug/L

RT: 5.034 min Scan# 11

Delta R.T. -0.007 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

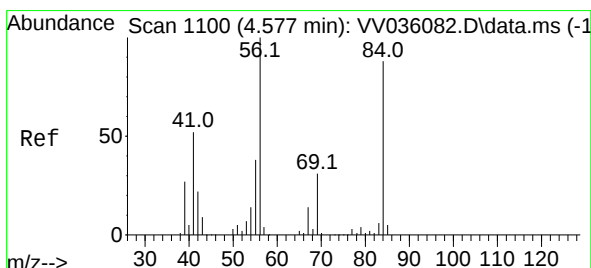
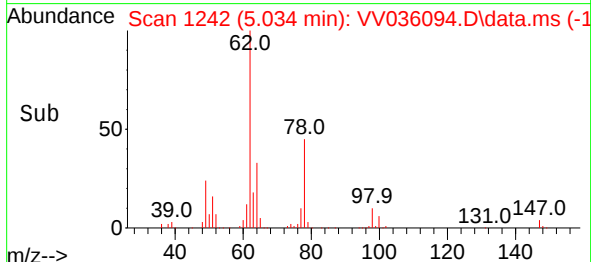
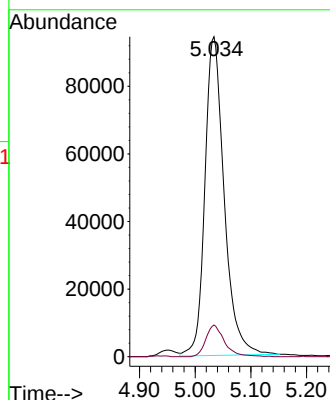
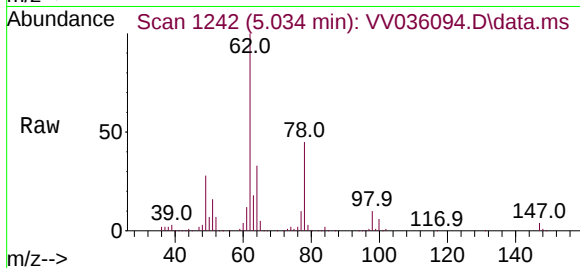
ClientSampleId :

Tgt Ion: 62 Resp: 227369

Ion Ratio Lower Upper

62 100

98 9.9 7.8 11.6



#29

Cyclohexane

Concen: 26.472 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. -0.003 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

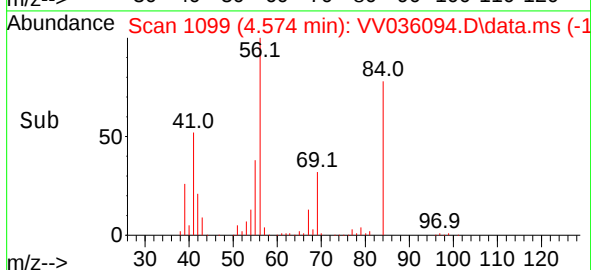
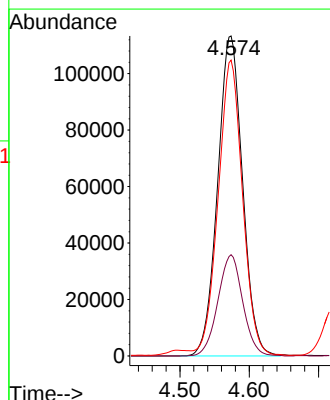
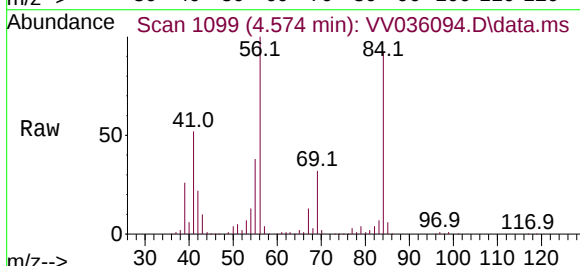
Tgt Ion: 56 Resp: 283071

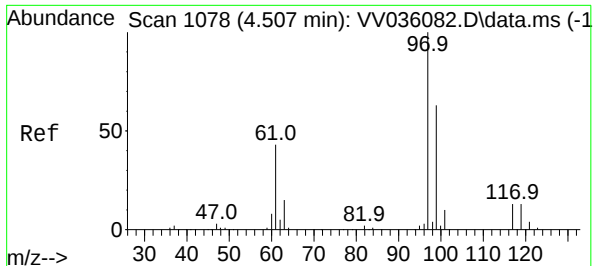
Ion Ratio Lower Upper

56 100

69 31.6 25.2 37.8

84 90.3 72.2 108.2

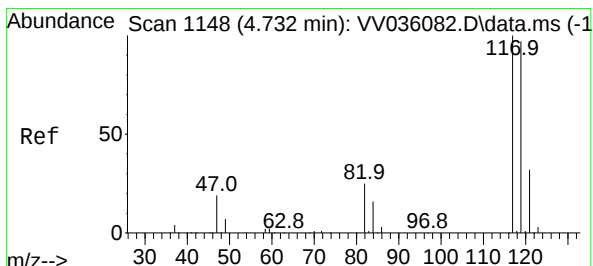
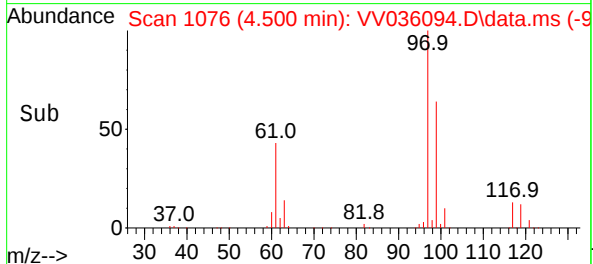
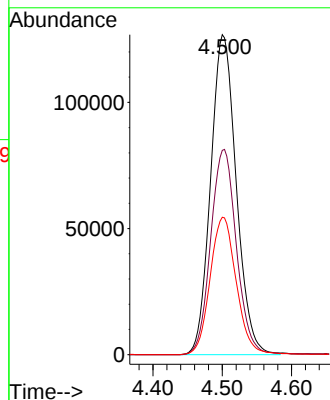
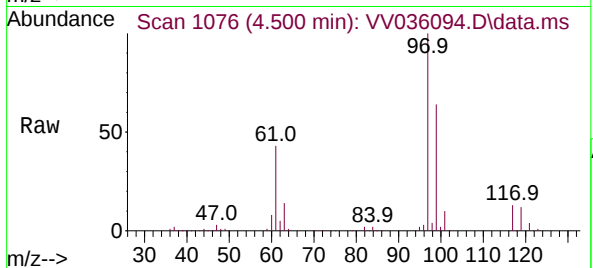




#30
1,1,1-Trichloroethane
Concen: 26.555 ug/L
RT: 4.500 min Scan# 110
Delta R.T. -0.007 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

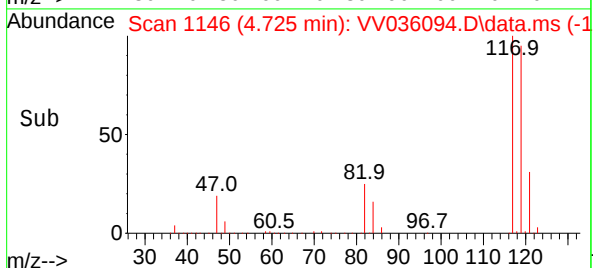
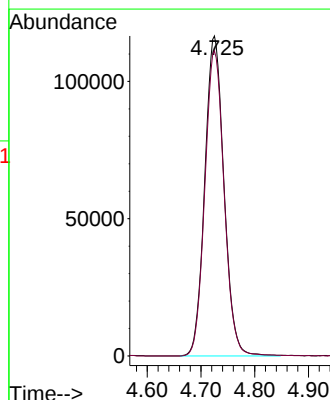
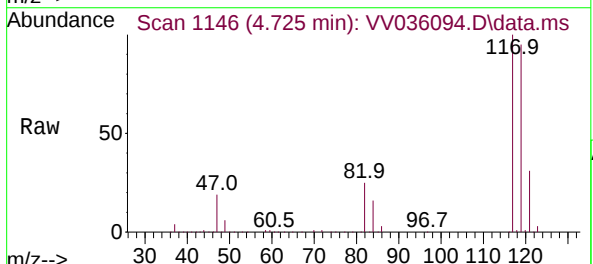
Instrument :
MSVOA_V
ClientSampleId :

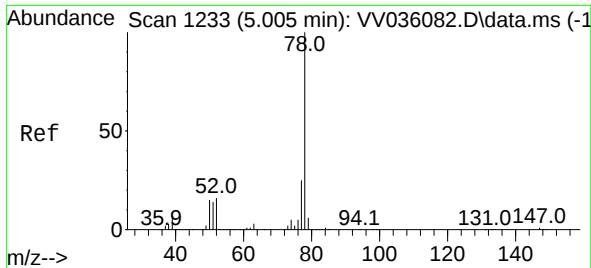
Tgt Ion: 97 Resp: 326045
Ion Ratio Lower Upper
97 100
99 64.7 50.9 76.3
61 43.8 35.0 52.6



#31
Carbon tetrachloride
Concen: 26.856 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. -0.007 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

Tgt Ion:117 Resp: 289278
Ion Ratio Lower Upper
117 100
119 95.7 76.8 115.2

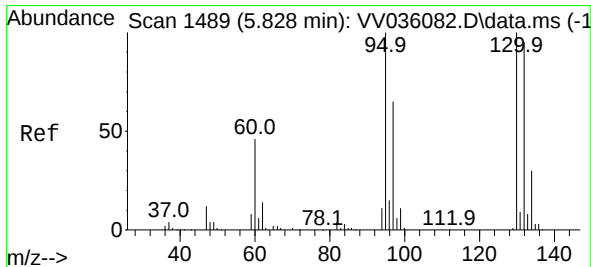
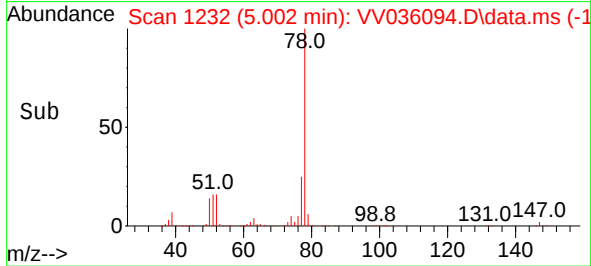
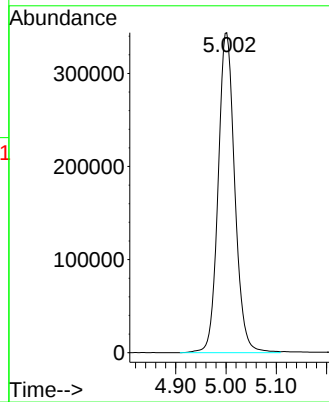
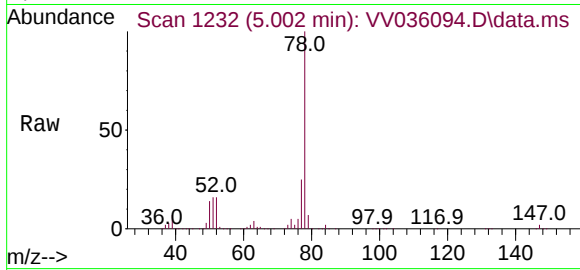




#33
Benzene
Concen: 26.890 ug/L
RT: 5.002 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

Instrument :
MSVOA_V
ClientSampleId :

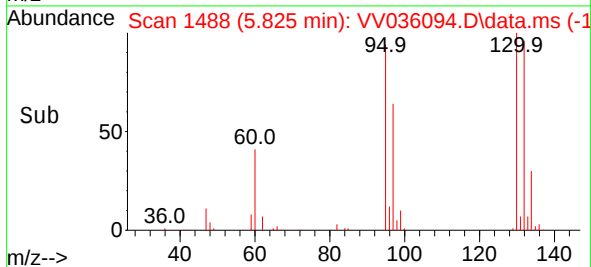
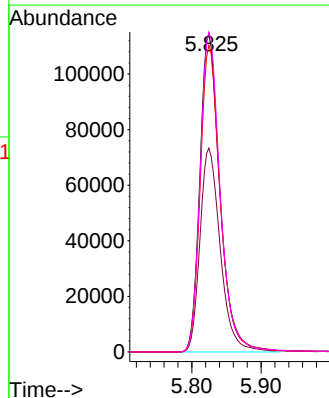
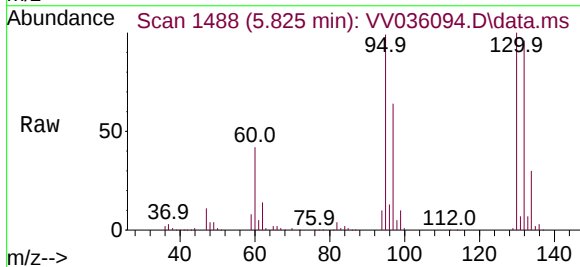
Tgt Ion: 78 Resp: 789851

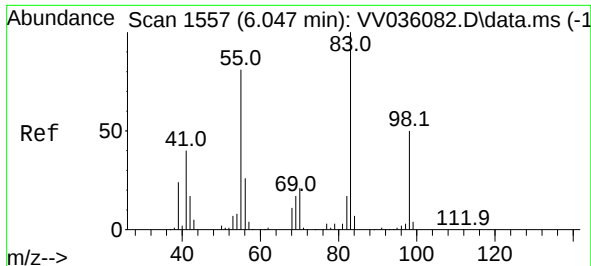


#34
Trichloroethene
Concen: 25.693 ug/L
RT: 5.825 min Scan# 1488
Delta R.T. -0.003 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

Tgt Ion: 95 Resp: 231298

Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.8	83.2
132	96.3	66.8	124.2
130	100.5	70.0	130.0





#35

Methylcyclohexane

Concen: 26.351 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.003 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

ClientSampleId :

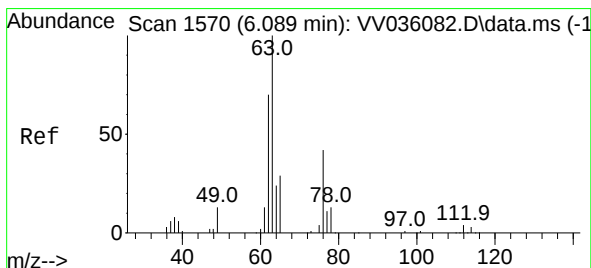
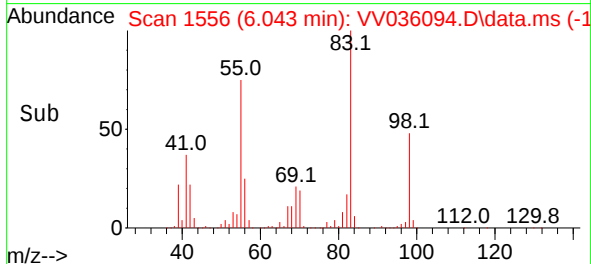
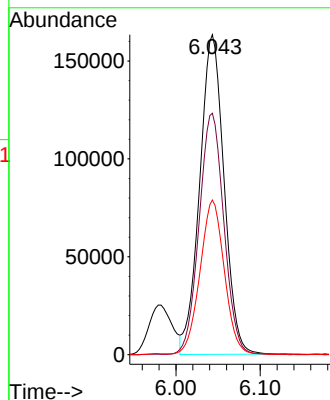
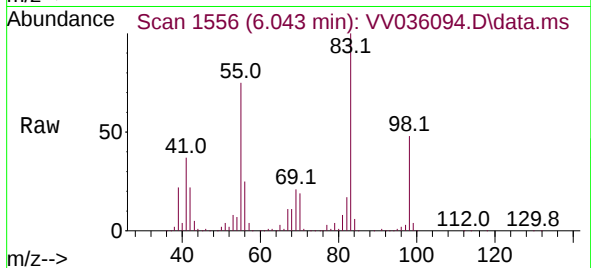
Tgt Ion: 83 Resp: 328061

Ion Ratio Lower Upper

83 100

55 77.0 60.7 91.1

98 48.5 38.7 58.1



#37

1,2-Dichloropropane

Concen: 26.003 ug/L

RT: 6.085 min Scan# 1569

Delta R.T. -0.003 min

Lab File: VV036094.D

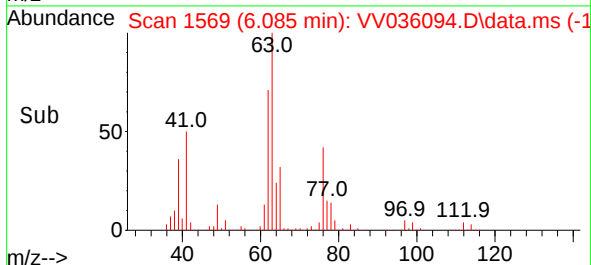
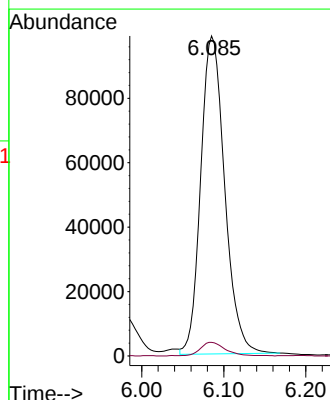
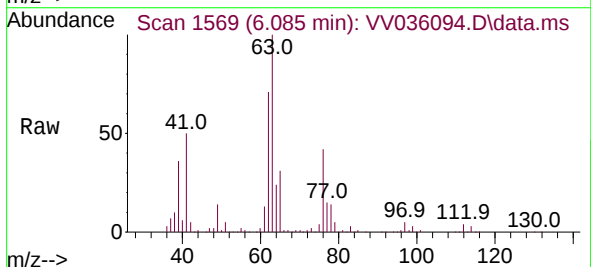
Acq: 17 Jun 2024 09:56

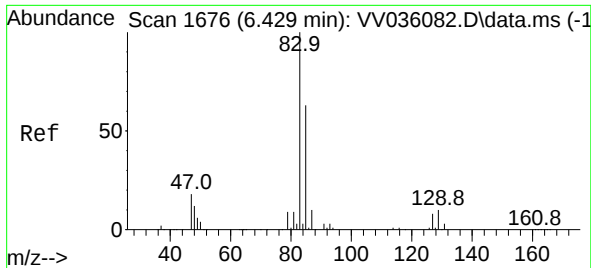
Tgt Ion: 63 Resp: 200556

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3

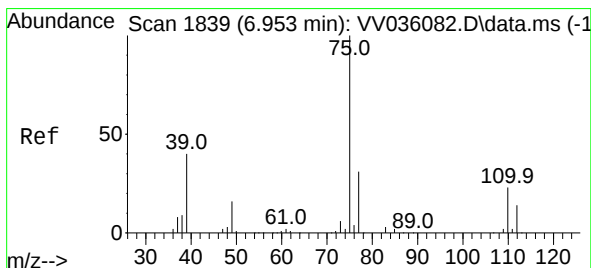
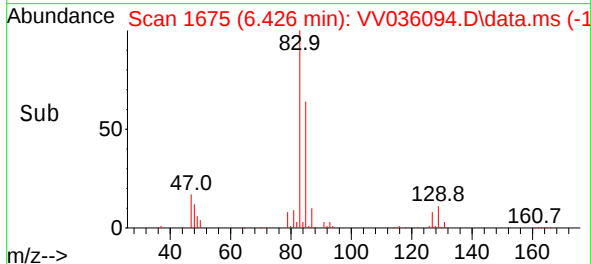
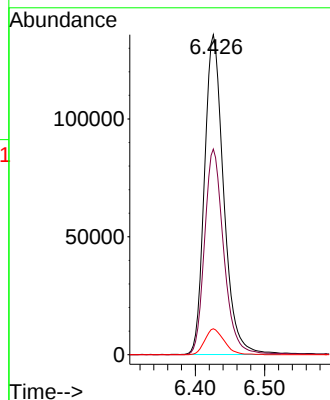
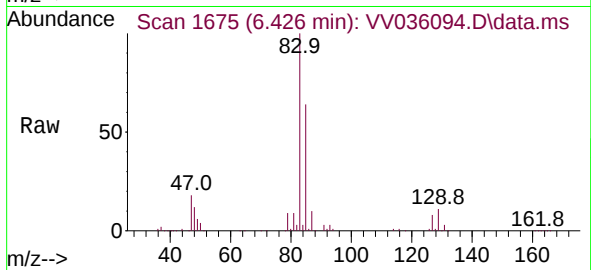




#38
Bromodichloromethane
Concen: 25.502 ug/L
RT: 6.426 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

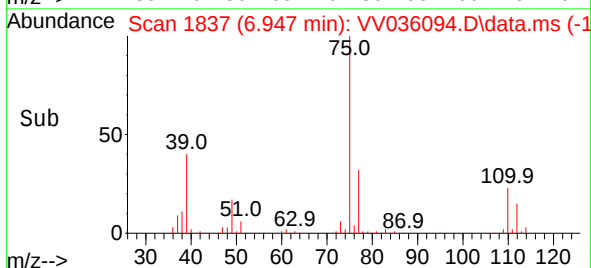
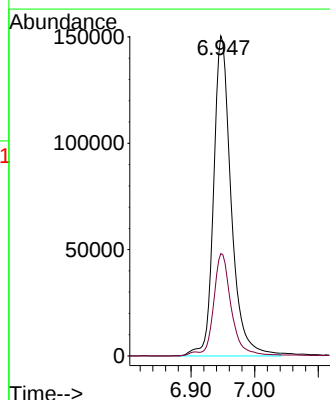
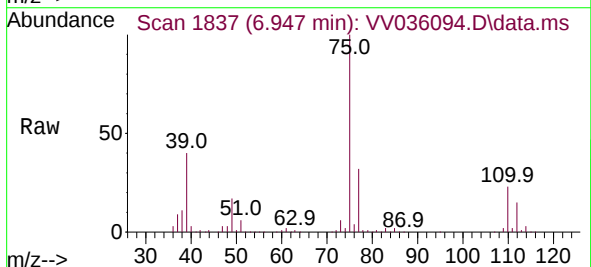
Instrument :
MSVOA_V
ClientSampleId :

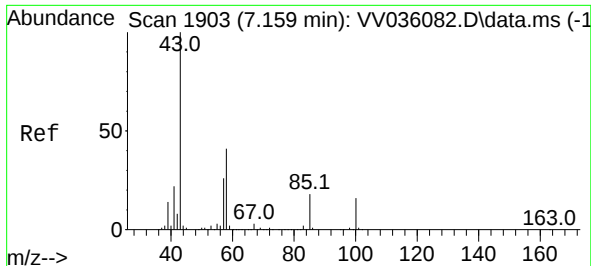
Tgt Ion: 83 Resp: 260337
Ion Ratio Lower Upper
83 100
85 64.2 45.3 84.1
127 8.1 6.7 10.1



#39
cis-1,3-Dichloropropene
Concen: 25.029 ug/L
RT: 6.947 min Scan# 1837
Delta R.T. -0.007 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

Tgt Ion: 75 Resp: 288734
Ion Ratio Lower Upper
75 100
77 32.0 22.1 41.1





#40

4-Methyl-2-pentanone

Concen: 43.413 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.003 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

ClientSampleId :

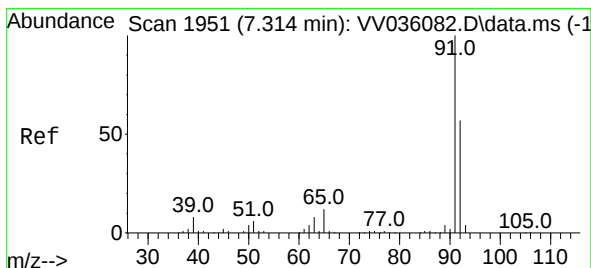
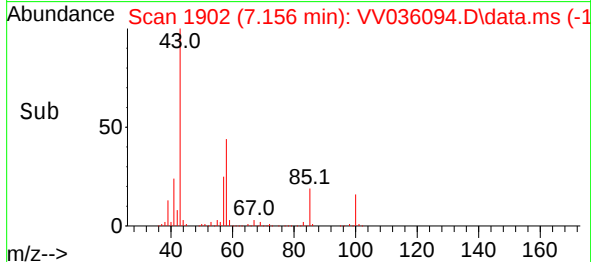
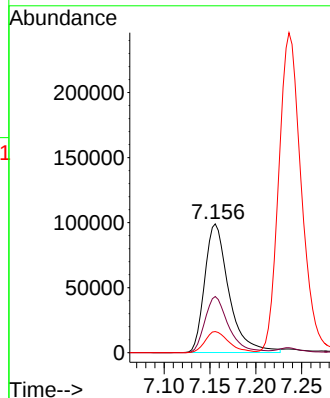
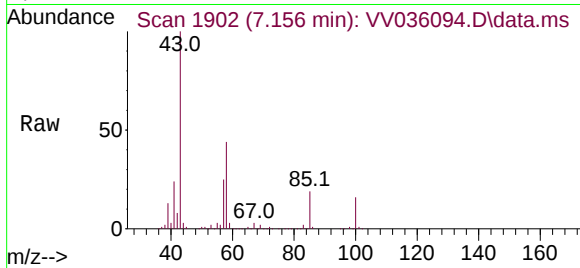
Tgt Ion: 43 Resp: 181919

Ion Ratio Lower Upper

43 100

58 42.7 32.5 48.7

100 16.3 12.5 18.7



#42

Toluene

Concen: 27.513 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VV036094.D

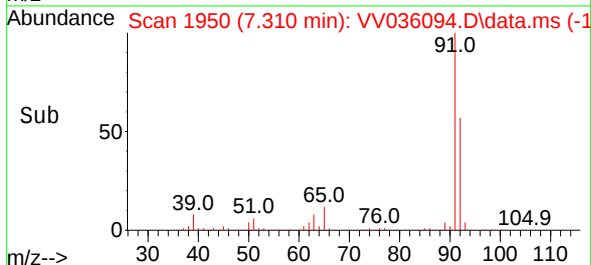
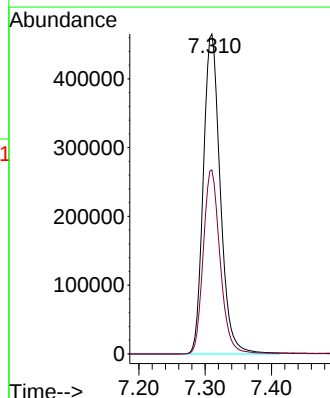
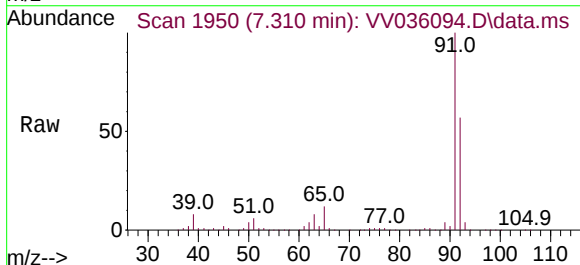
Acq: 17 Jun 2024 09:56

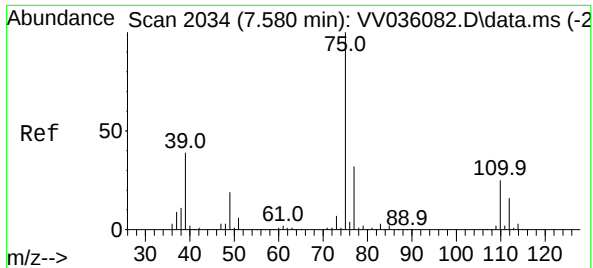
Tgt Ion: 91 Resp: 825784

Ion Ratio Lower Upper

91 100

92 57.5 40.6 75.4

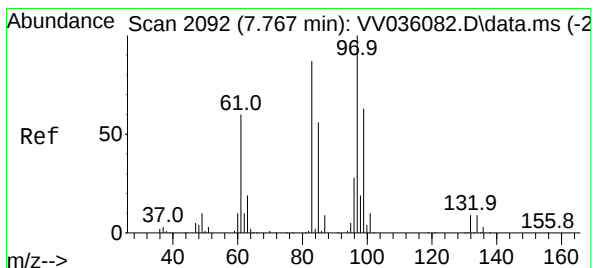
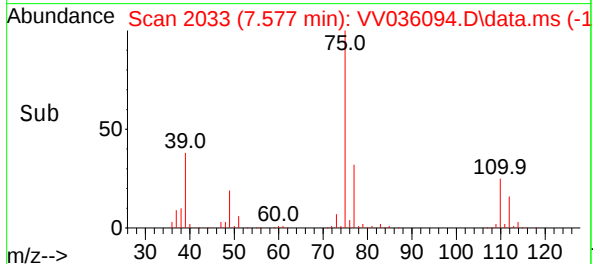
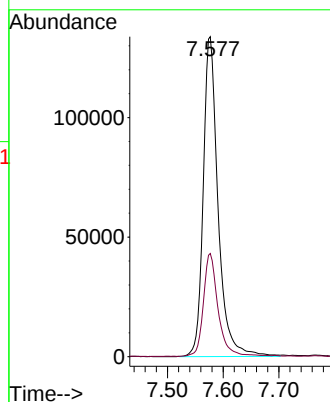
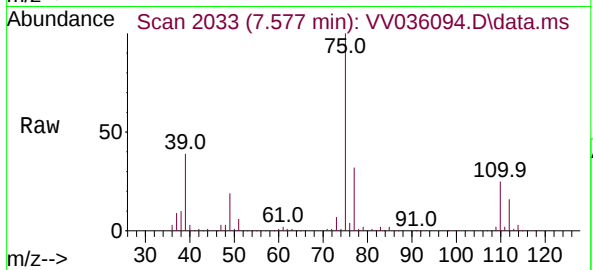




#44
trans-1,3-Dichloropropene
Concen: 24.909 ug/L
RT: 7.577 min Scan# 2034
Delta R.T. -0.003 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

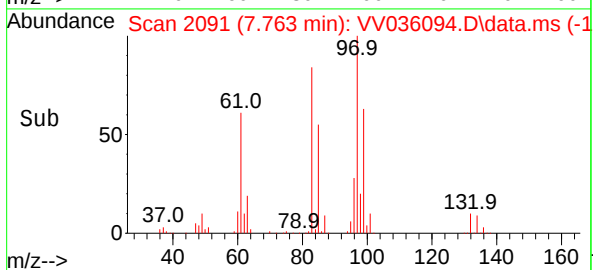
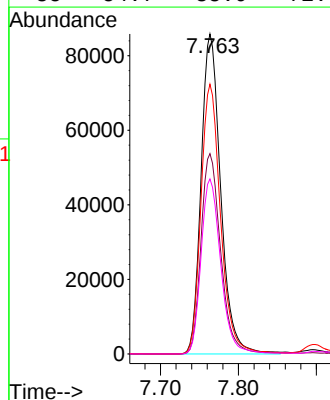
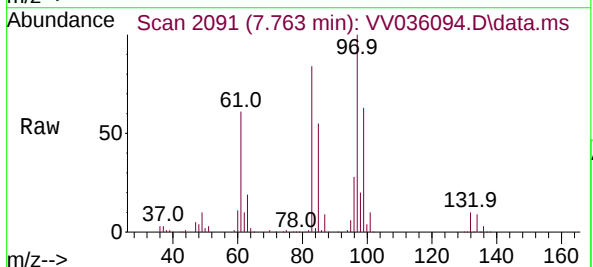
Instrument :
MSVOA_V
ClientSampleId :

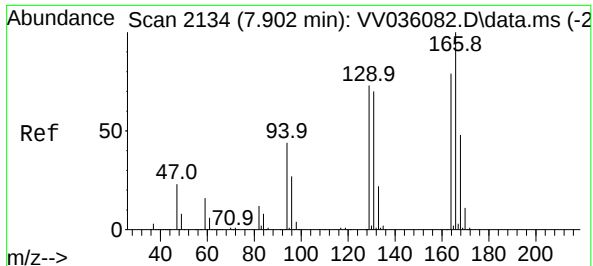
Tgt Ion: 75 Resp: 248194
Ion Ratio Lower Upper
75 100
77 32.2 23.1 42.9



#45
1,1,2-Trichloroethane
Concen: 23.516 ug/L
RT: 7.763 min Scan# 2091
Delta R.T. -0.003 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

Tgt Ion: 97 Resp: 150073
Ion Ratio Lower Upper
97 100
99 62.6 43.3 80.5
83 84.3 60.1 111.7
85 54.7 38.9 72.3





#46

Tetrachloroethene

Concen: 25.637 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.003 min

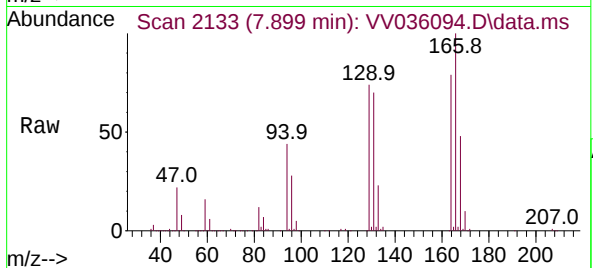
Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 168800

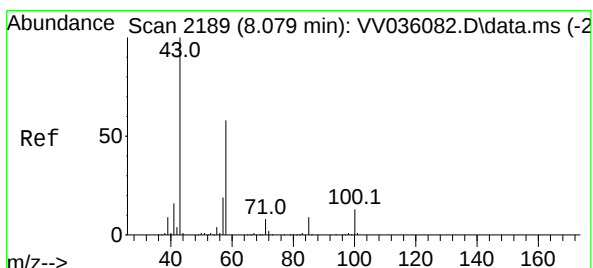
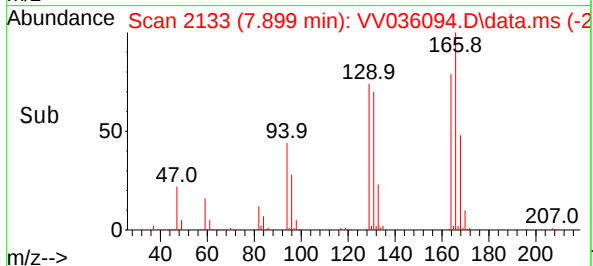
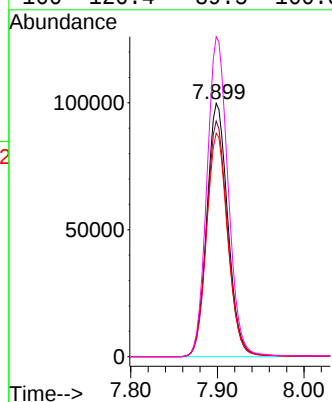
Ion Ratio Lower Upper

164 100

129 93.1 64.6 120.0

131 88.3 63.2 117.4

166 126.4 89.5 166.3



#48

2-Hexanone

Concen: 46.296 ug/L

RT: 8.075 min Scan# 2188

Delta R.T. -0.003 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Tgt Ion: 43 Resp: 151664

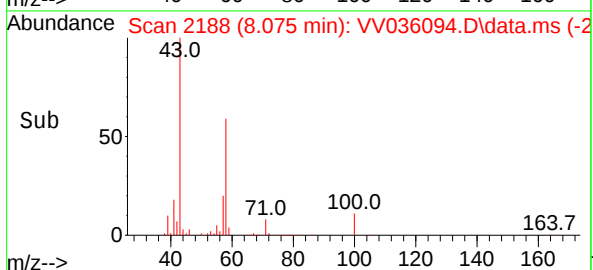
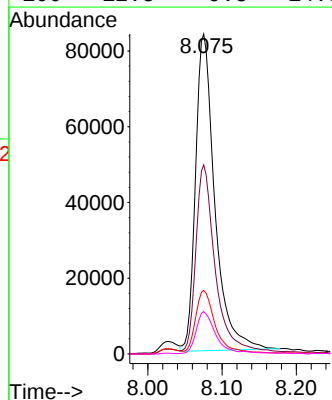
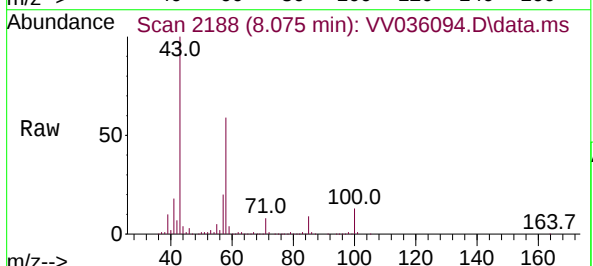
Ion Ratio Lower Upper

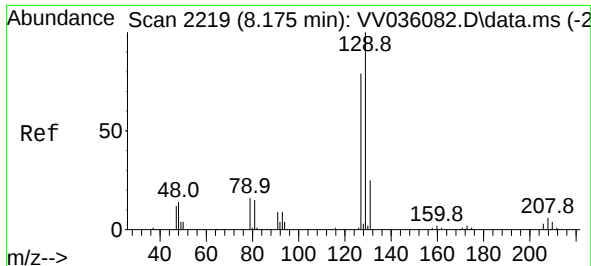
43 100

58 59.2 45.4 68.0

57 20.2 15.8 23.8

100 12.8 9.8 14.8





#49

Dibromochloromethane

Concen: 24.577 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.003 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

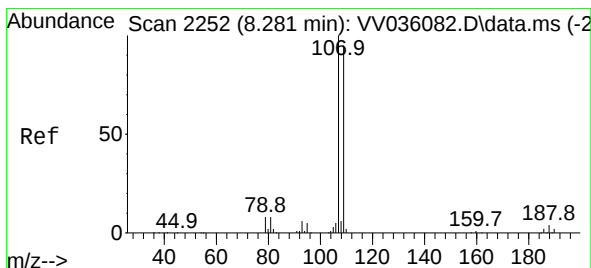
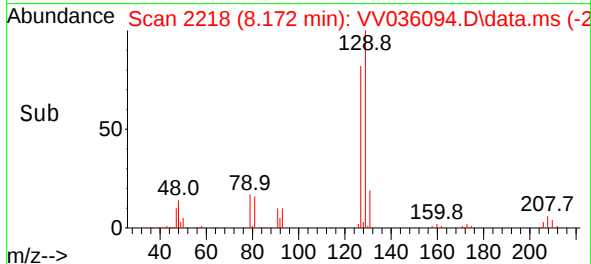
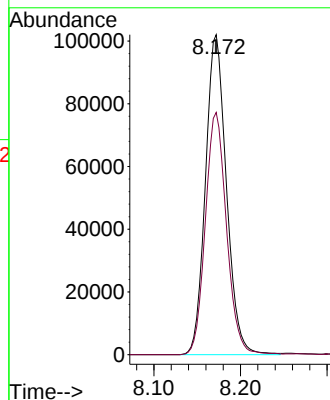
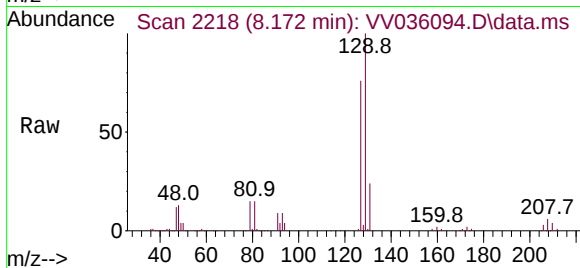
ClientSampleId :

Tgt Ion:129 Resp: 171660

Ion Ratio Lower Upper

129 100

127 75.7 53.9 100.1



#50

1,2-Dibromoethane

Concen: 23.078 ug/L

RT: 8.278 min Scan# 2251

Delta R.T. -0.003 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

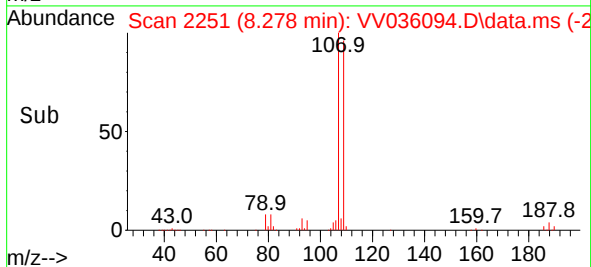
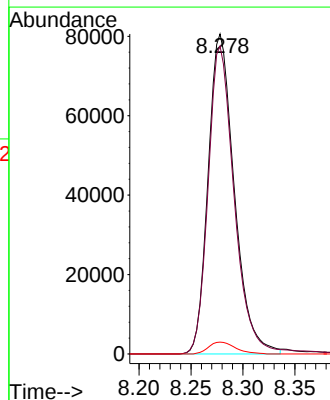
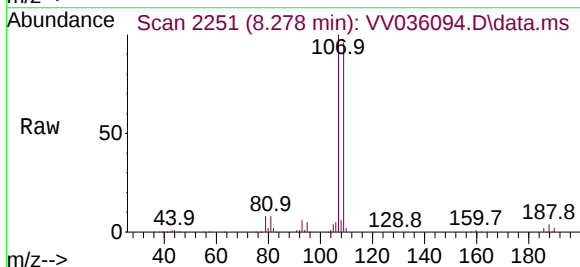
Tgt Ion:107 Resp: 141319

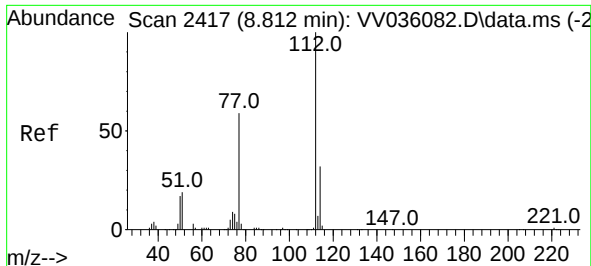
Ion Ratio Lower Upper

107 100

109 96.2 66.1 122.7

188 3.7 3.0 4.6





#51

Chlorobenzene

Concen: 24.706 ug/L

RT: 8.808 min Scan# 2416

Delta R.T. -0.003 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

ClientSampleId :

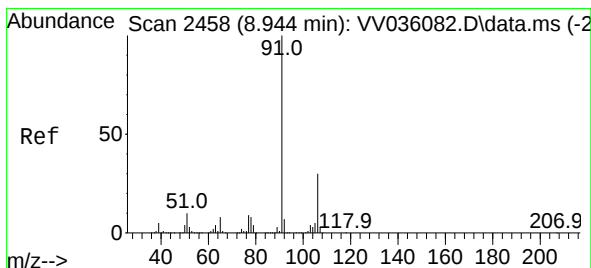
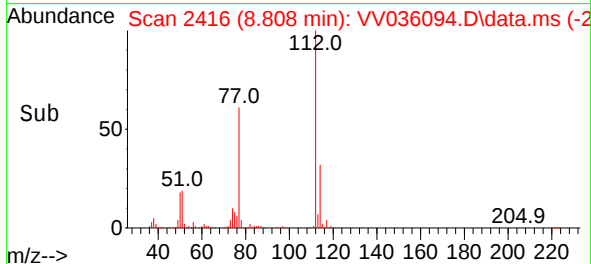
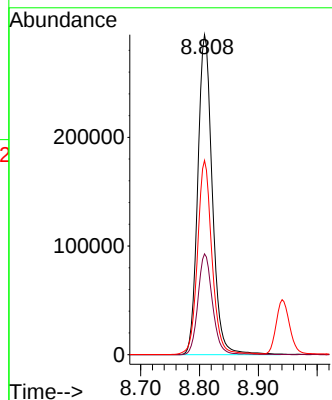
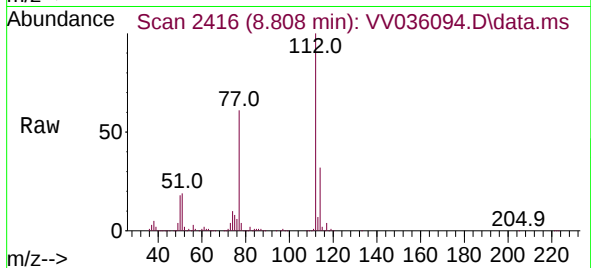
Tgt Ion:112 Resp: 505243

Ion Ratio Lower Upper

112 100

114 31.5 22.3 41.5

77 60.7 47.3 70.9



#52

Ethylbenzene

Concen: 26.646 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. -0.003 min

Lab File: VV036094.D

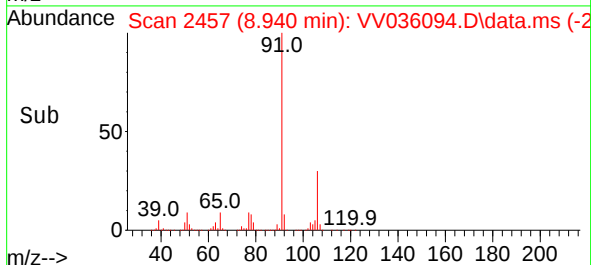
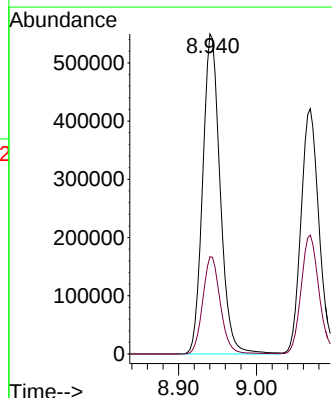
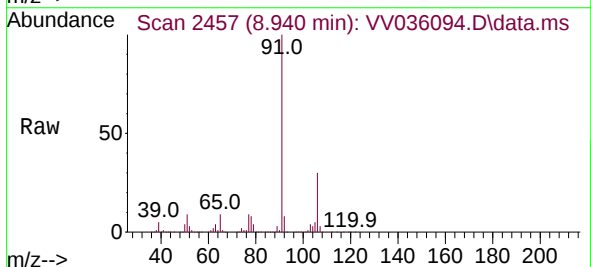
Acq: 17 Jun 2024 09:56

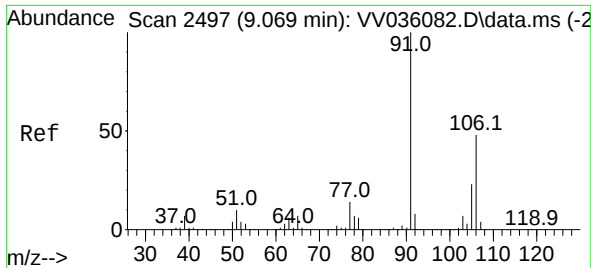
Tgt Ion: 91 Resp: 855651

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.0

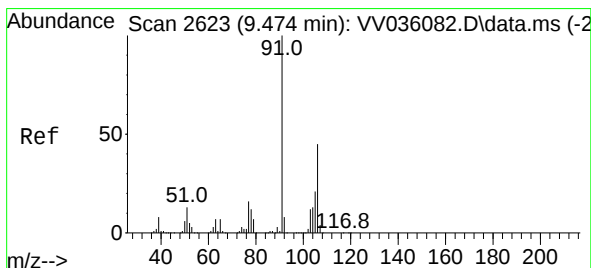
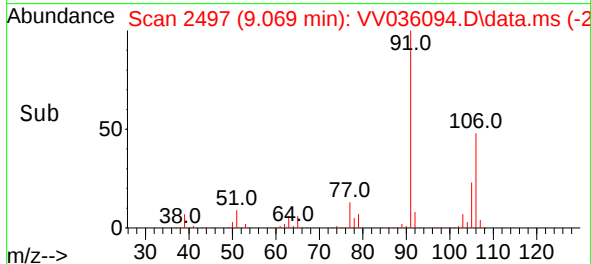
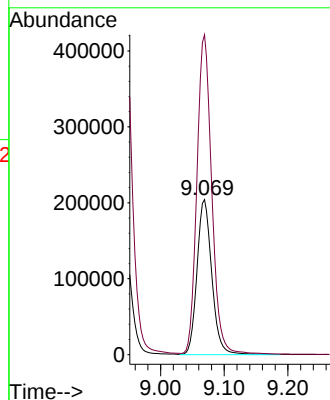
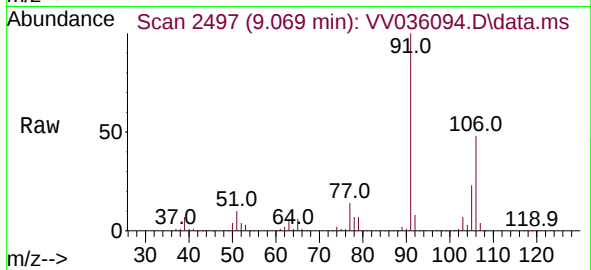




#53
m,p-Xylene
Concen: 27.421 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.000 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

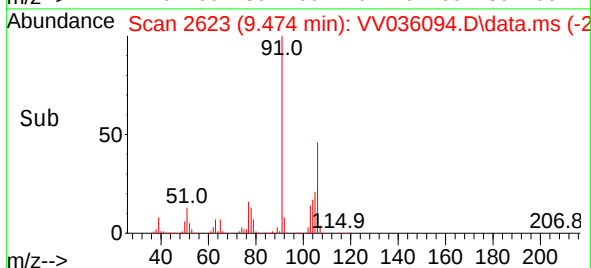
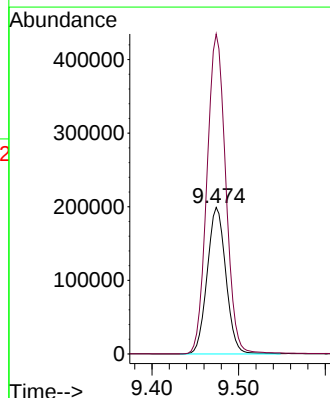
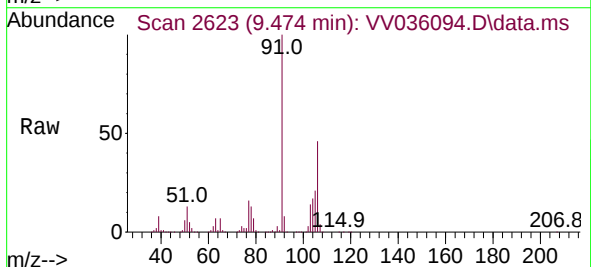
Instrument :
MSVOA_V
ClientSampleId :

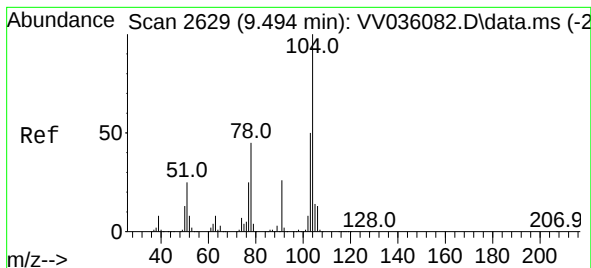
Tgt Ion:106 Resp: 330864
Ion Ratio Lower Upper
106 100
91 206.4 143.1 265.9



#54
o-Xylene
Concen: 26.275 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. -0.000 min
Lab File: VV036094.D
Acq: 17 Jun 2024 09:56

Tgt Ion:106 Resp: 298977
Ion Ratio Lower Upper
106 100
91 218.4 154.5 286.9





#55

Styrene

Concen: 27.300 ug/L

RT: 9.490 min Scan# 2

Delta R.T. -0.003 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

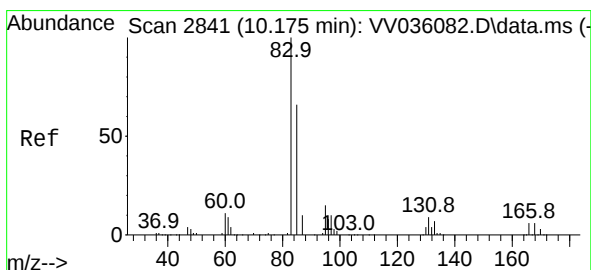
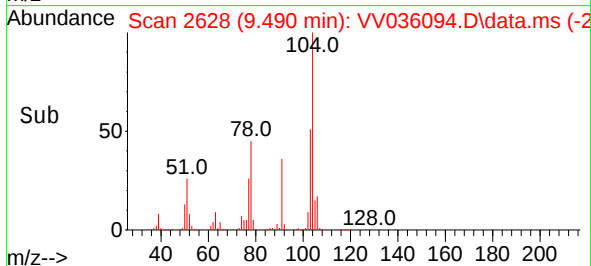
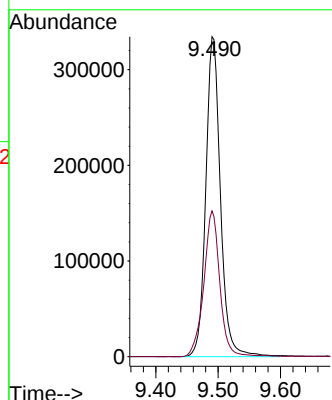
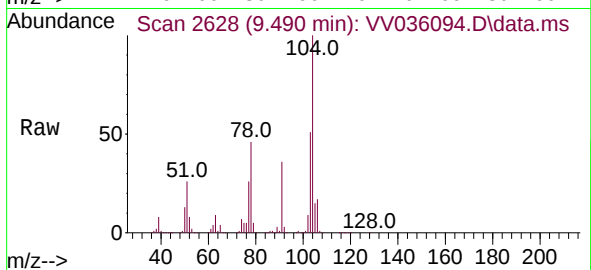
ClientSampleId :

Tgt Ion:104 Resp: 547795

Ion Ratio Lower Upper

104 100

78 45.6 31.4 58.2



#57

1,1,2,2-Tetrachloroethane

Concen: 21.458 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. -0.003 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

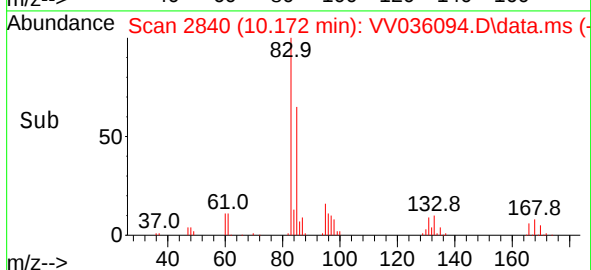
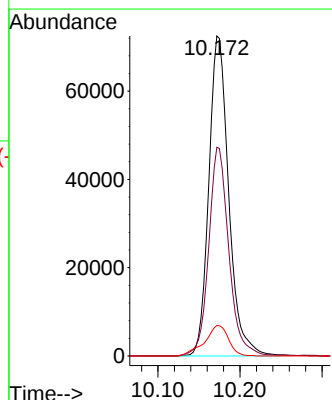
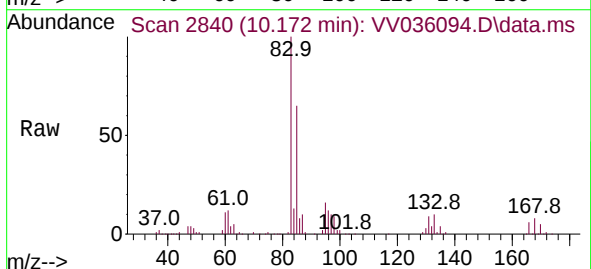
Tgt Ion: 83 Resp: 122617

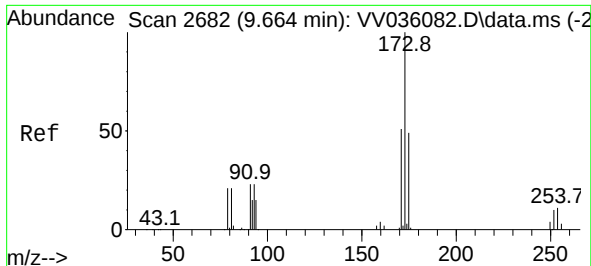
Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.7

131 9.5 7.6 11.4





#59

Bromoform

Concen: 24.730 ug/L

RT: 9.660 min Scan# 2

Delta R.T. -0.003 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

ClientSampleId :

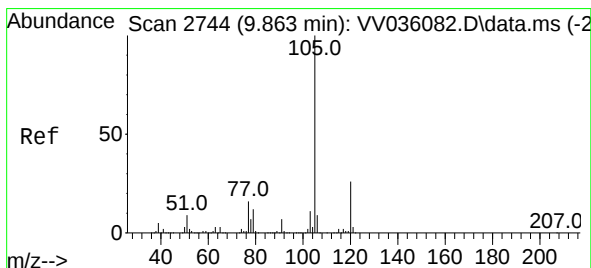
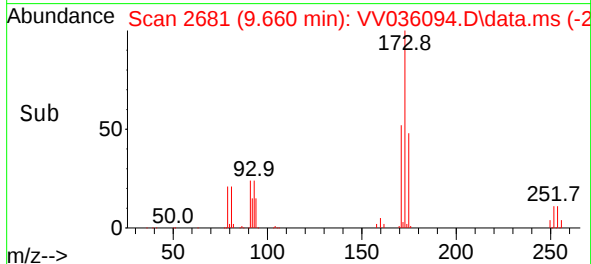
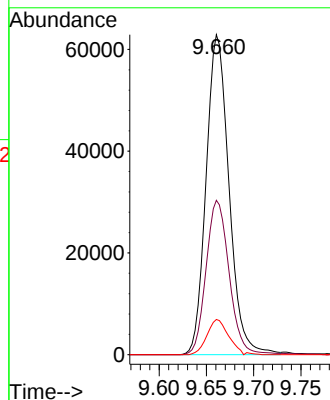
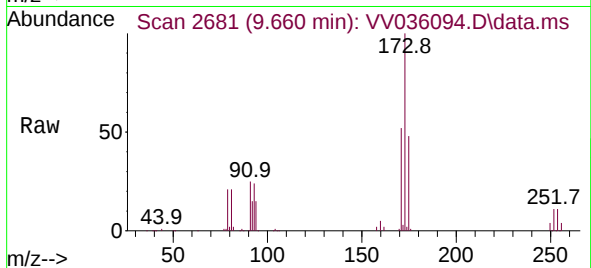
Tgt Ion:173 Resp: 106113

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

254 10.3 8.6 13.0



#60

Isopropylbenzene

Concen: 28.313 ug/L

RT: 9.863 min Scan# 2744

Delta R.T. -0.000 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

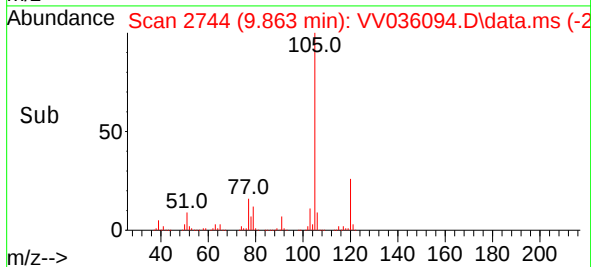
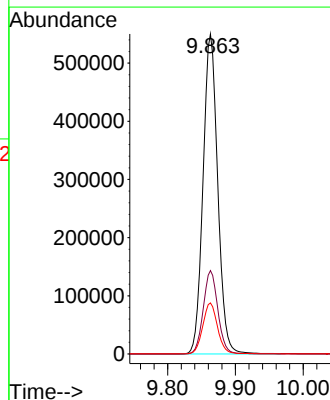
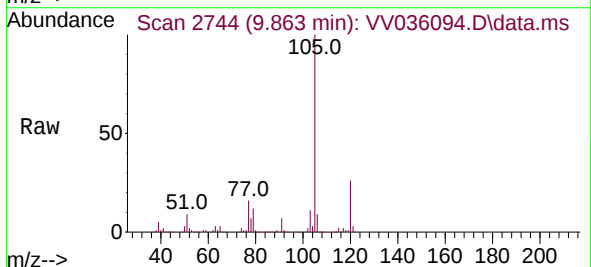
Tgt Ion:105 Resp: 826458

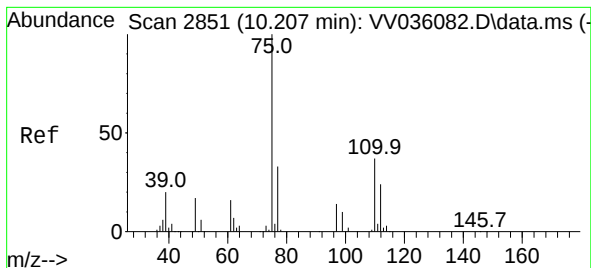
Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.6

77 16.0 12.6 18.8





#61

1,2,3-Trichloropropane

Concen: 22.758 ug/L

RT: 10.204 min Scan# 2851

Delta R.T. -0.003 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

ClientSampleId :

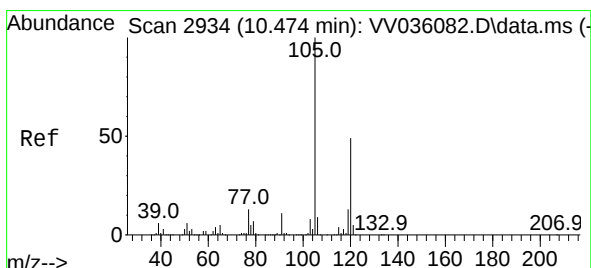
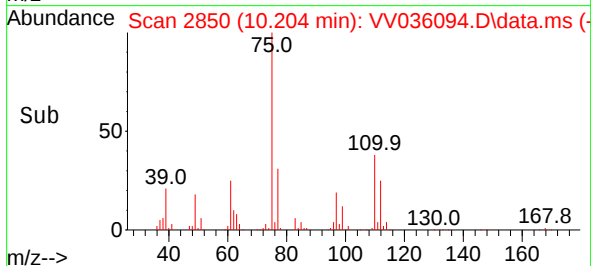
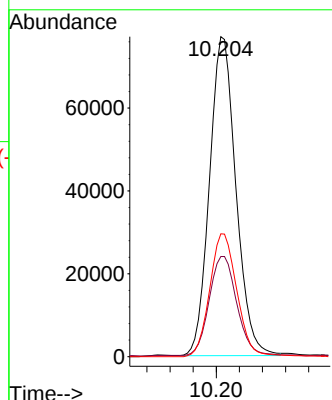
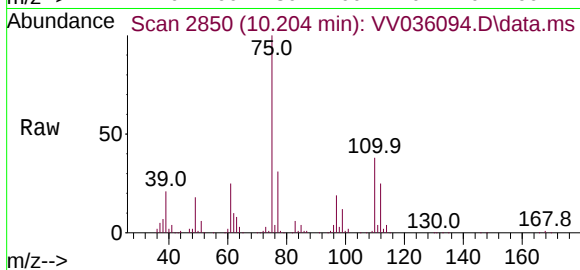
Tgt Ion: 75 Resp: 122465

Ion Ratio Lower Upper

75 100

77 32.2 26.0 39.0

110 39.7 32.2 48.4



#62

1,3,5-Trimethylbenzene

Concen: 27.488 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV036094.D

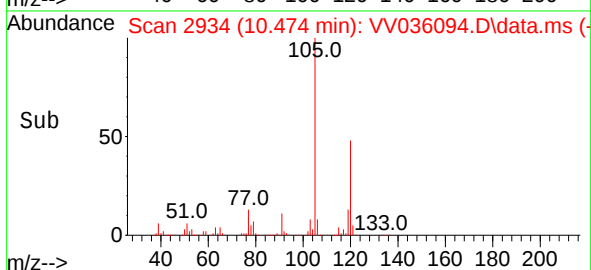
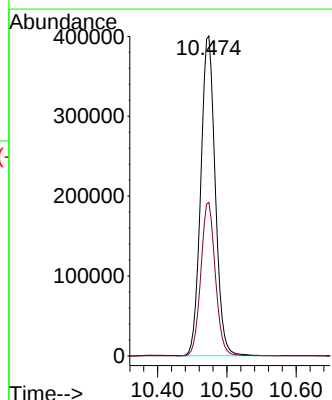
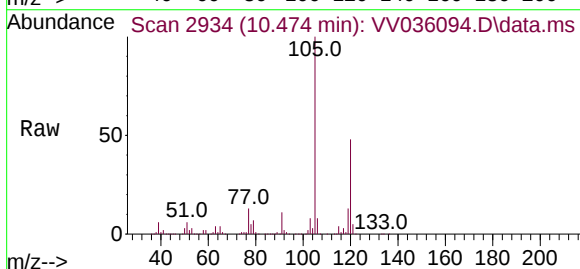
Acq: 17 Jun 2024 09:56

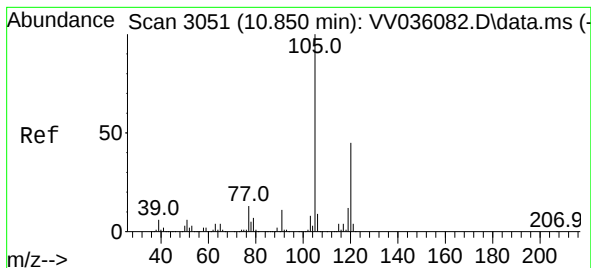
Tgt Ion:105 Resp: 581820

Ion Ratio Lower Upper

105 100

120 48.2 38.6 58.0





#63

1,2,4-Trimethylbenzene

Concen: 27.676 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

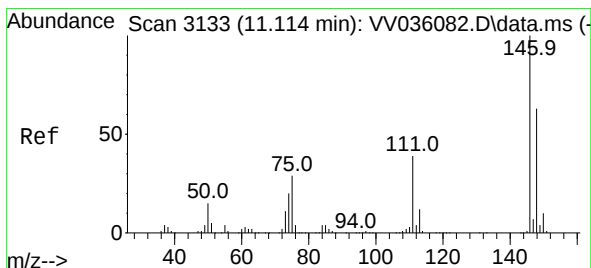
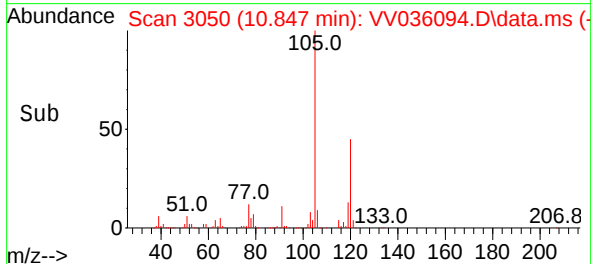
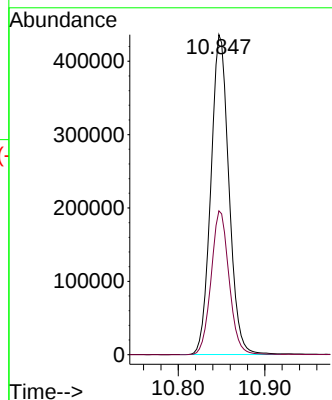
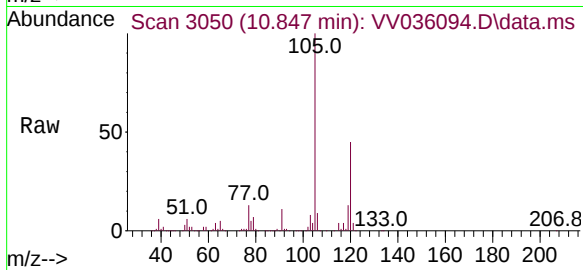
ClientSampleId :

Tgt Ion:105 Resp: 631171

Ion Ratio Lower Upper

105 100

120 44.8 36.2 54.4



#64

1,3-Dichlorobenzene

Concen: 25.283 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

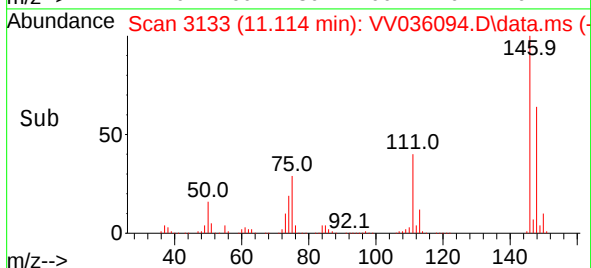
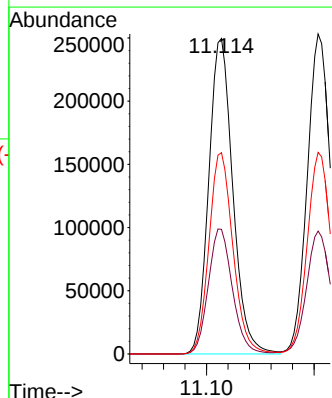
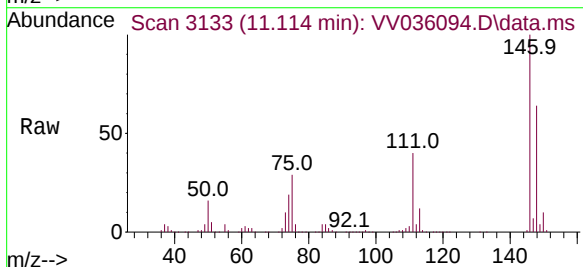
Tgt Ion:146 Resp: 387564

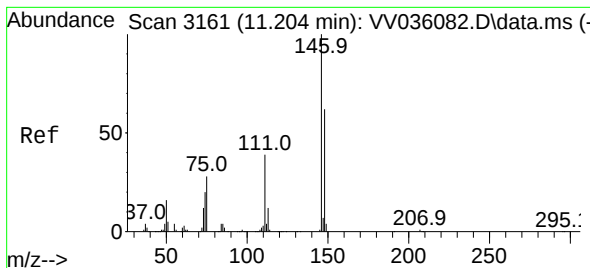
Ion Ratio Lower Upper

146 100

111 39.5 28.1 52.1

148 63.8 44.7 83.1





#65

1,4-Dichlorobenzene

Concen: 25.059 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

ClientSampleId :

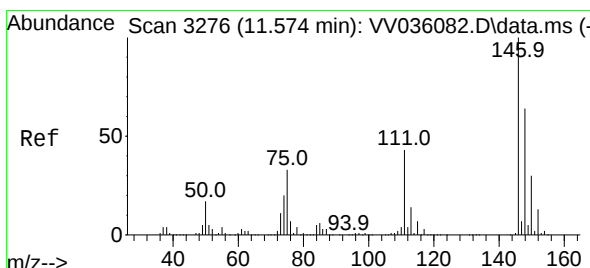
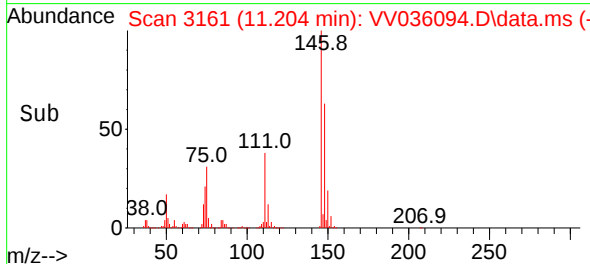
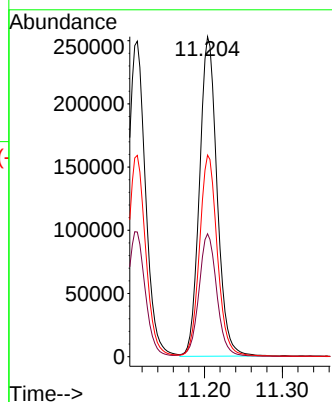
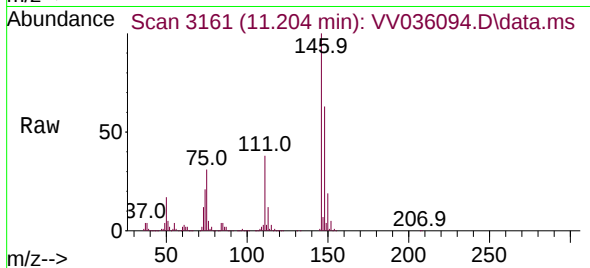
Tgt Ion:146 Resp: 396493

Ion Ratio Lower Upper

146 100

111 38.4 26.9 50.1

148 63.0 44.5 82.7



#67

1,2-Dichlorobenzene

Concen: 24.433 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. -0.000 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

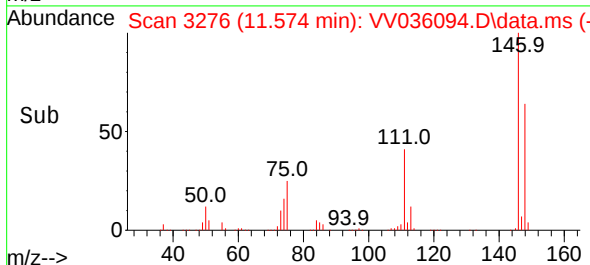
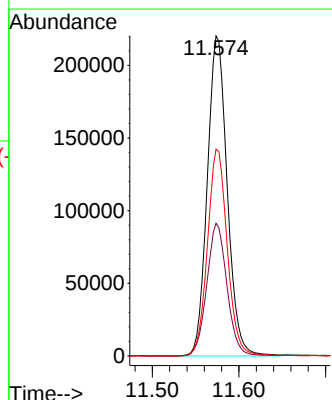
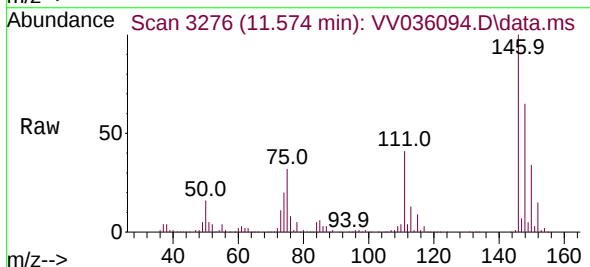
Tgt Ion:146 Resp: 352459

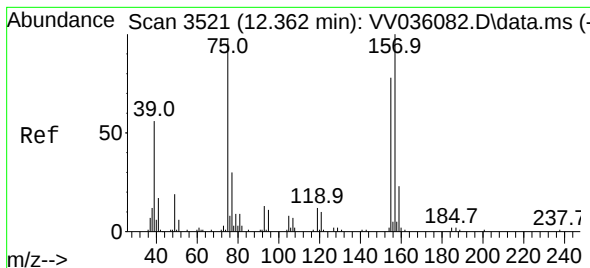
Ion Ratio Lower Upper

146 100

111 41.5 33.5 50.3

148 64.6 50.9 76.3





#68

1,2-Dibromo-3-chloropropane

Concen: 22.119 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

ClientSampleId :

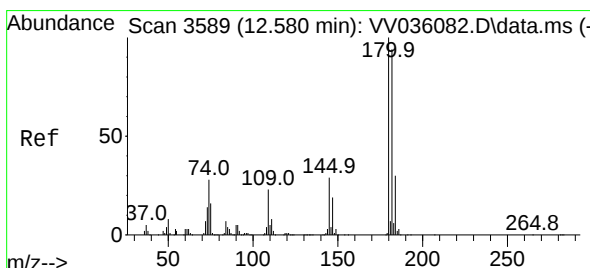
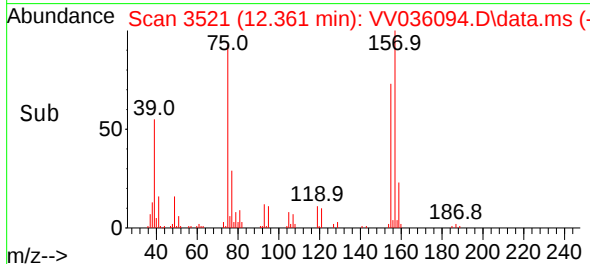
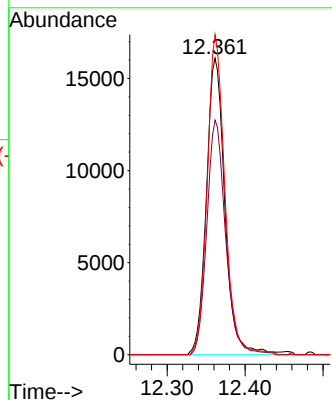
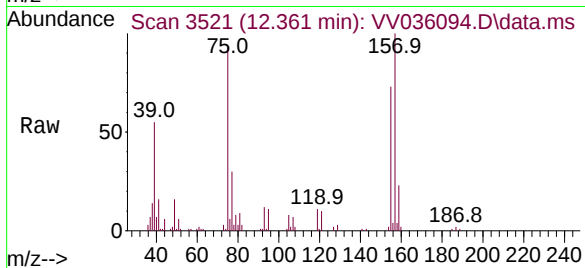
Tgt Ion: 75 Resp: 26616

Ion Ratio Lower Upper

75 100

155 79.2 63.3 94.9

157 108.0 82.4 123.6



#69

1,3,5-Trichlorobenzene

Concen: 22.964 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Tgt Ion:180 Resp: 263322

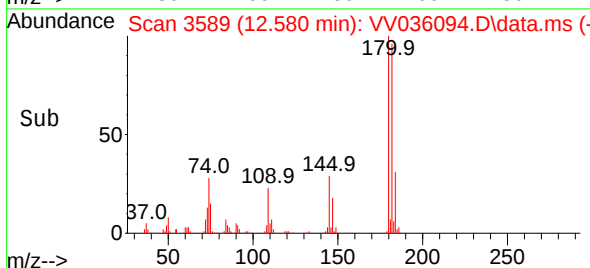
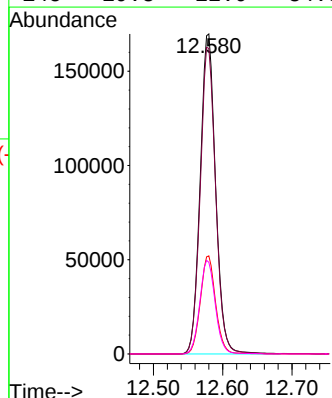
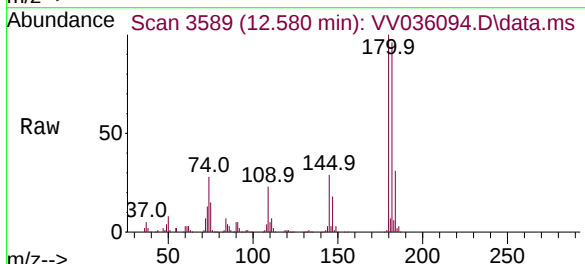
Ion Ratio Lower Upper

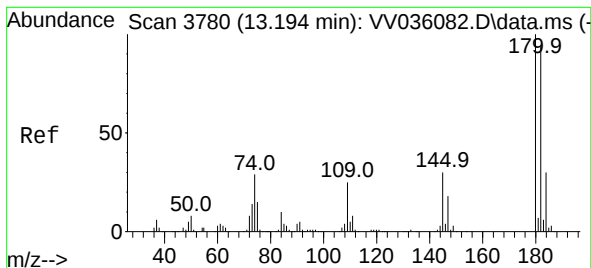
180 100

182 95.8 76.2 114.4

184 30.3 24.2 36.2

145 29.3 22.9 34.3





#70

1,2,4-trichlorobenzene

Concen: 22.033 ug/L

RT: 13.194 min Scan# 31

Delta R.T. -0.000 min

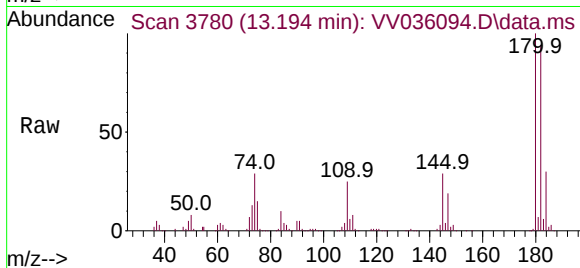
Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

ClientSampleId :



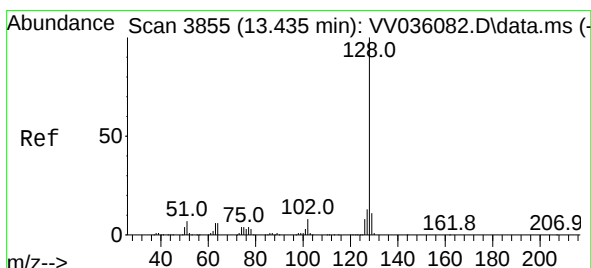
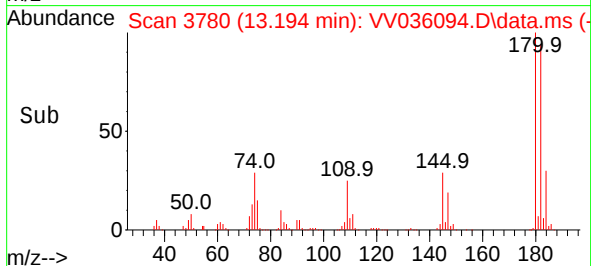
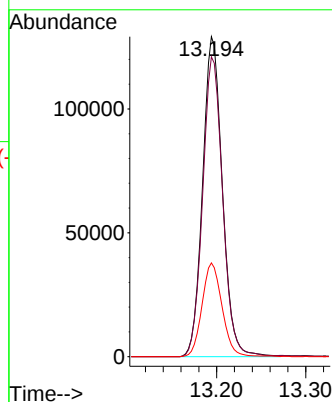
Tgt Ion:180 Resp: 198925

Ion Ratio Lower Upper

180 100

182 94.7 76.1 114.1

145 29.6 23.5 35.3



#71

Naphthalene

Concen: 19.696 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

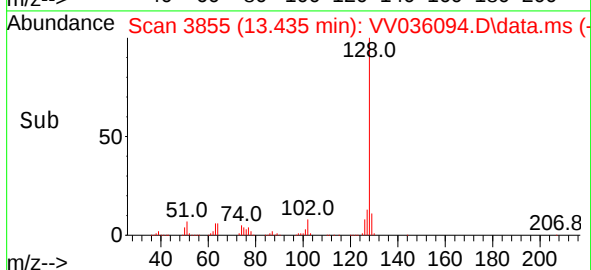
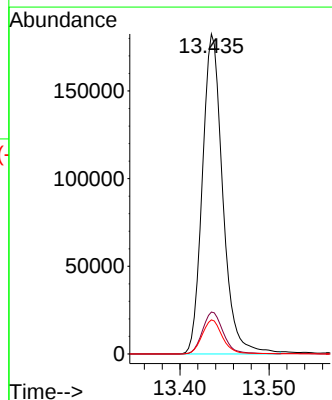
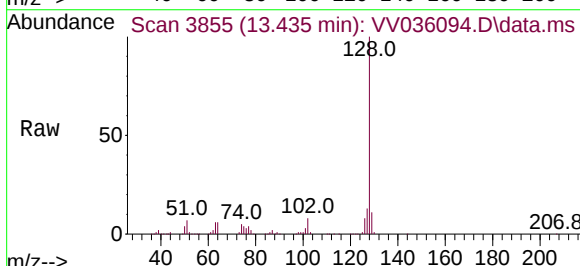
Tgt Ion:128 Resp: 290197

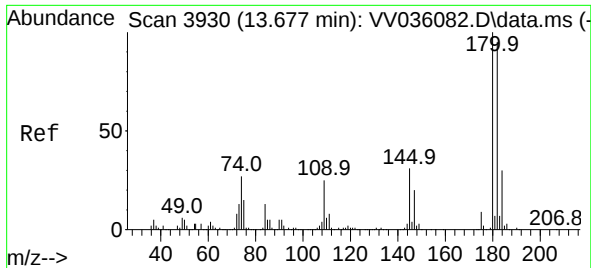
Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 10.7 8.8 13.2





#72

1,2,3-Trichlorobenzene

Concen: 21.577 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

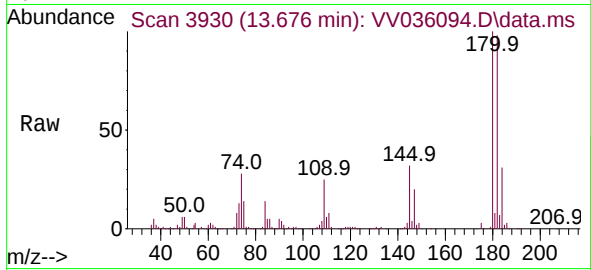
Lab File: VV036094.D

Acq: 17 Jun 2024 09:56

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 177769

Ion Ratio Lower Upper

180 100

182 95.6 75.1 112.7

145 31.5 25.2 37.8

