

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061224\
 Data File : VV036046.D
 Acq On : 12 Jun 2024 19:19
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 13 02:12:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 13 02:10:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	347302	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	345998	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	183386	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	116830	18.297	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.200%
7) Chloroethane-d5	1.526	69	104337	20.493	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.960%
11) 1,1-Dichloroethene-d2	2.050	65	55939	19.679	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.720%
21) 2-Butanone-d5	3.844	46	35262	24.070	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	48.140%
24) Chloroform-d	4.243	84	249488	22.595	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	4.941	65	125010	21.594	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.360%
32) Benzene-d6	4.953	84	451110	21.934	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.720%
36) 1,2-Dichloropropane-d6	5.986	67	143414	22.143	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.560%
41) Toluene-d8	7.240	98	400111	22.048	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	7.551	79	56092	21.122	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.480%
47) 2-Hexanone-d5	8.031	63	46228	52.681	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.360%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	118429	24.470	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.880%
66) 1,2-Dichlorobenzene-d4	11.558	152	143179	21.291	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.102	85	125446	20.032	ug/L	98
3) Chloromethane	1.211	50	166525	23.171	ug/L	99
5) Vinyl chloride	1.275	62	181901	24.042	ug/L	99
6) Bromomethane	1.481	94	110411	23.524	ug/L	98
8) Chloroethane	1.542	64	119231	25.353	ug/L	99
9) Trichlorofluoromethane	1.706	101	234548	24.963	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	144773	24.279	ug/L	99
12) 1,1-Dichloroethene	2.063	96	138592	24.920	ug/L	91
13) Acetone	2.153	43	88152	38.629	ug/L	95
14) Carbon disulfide	2.230	76	429691	22.249	ug/L	99
15) Methyl Acetate	2.384	43	76128	26.839	ug/L	100
16) Methylene chloride	2.439	84	208209	26.494	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	143891	24.356	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	334437	25.216	ug/L	99
19) 1,1-Dichloroethane	3.105	63	292351	25.985	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	144862	24.403	ug/L	97
22) 2-Butanone	3.915	43	85505	44.158	ug/L	93
23) Bromochloromethane	4.143	128	75513	25.360	ug/L	96
25) Chloroform	4.269	83	299877	25.911	ug/L	100

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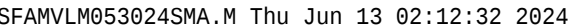
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 ClientSampleId :

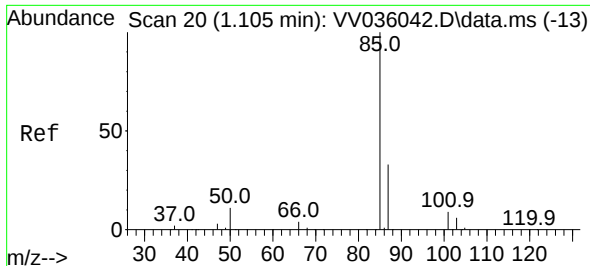
Quant Time: Jun 13 02:12:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 13 02:10:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	189565	26.236	ug/L	100
29) Cyclohexane	4.577	56	185867	22.562	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	250305	26.462	ug/L	100
31) Carbon tetrachloride	4.728	117	213763	25.760	ug/L	99
33) Benzene	5.005	78	603281	26.659	ug/L	100
34) Trichloroethene	5.828	95	176099	25.391	ug/L	98
35) Methylcyclohexane	6.047	83	214021	22.314	ug/L	98
37) 1,2-Dichloropropane	6.088	63	163548	27.524	ug/L	100
38) Bromodichloromethane	6.429	83	208737	26.541	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	212063	23.861	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	178999	55.447	ug/L	99
42) Toluene	7.310	91	619485	26.791	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	197235	25.694	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	130812	26.607	ug/L	100
46) Tetrachloroethene	7.902	164	116600	22.987	ug/L	99
48) 2-Hexanone	8.079	43	131531	52.116	ug/L	99
49) Dibromochloromethane	8.172	129	140183	26.052	ug/L	99
50) 1,2-Dibromoethane	8.281	107	121787	25.816	ug/L	99
51) Chlorobenzene	8.812	112	385241	24.452	ug/L	100
52) Ethylbenzene	8.944	91	612092	24.742	ug/L	99
53) m,p-Xylene	9.069	106	233818	25.153	ug/L	100
54) o-Xylene	9.477	106	216068	24.648	ug/L	99
55) Styrene	9.493	104	410736	26.570	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	119250	27.088	ug/L	100
59) Bromoform	9.664	173	91647	26.500	ug/L	98
60) Isopropylbenzene	9.863	105	574957	24.438	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	119662	27.590	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	386015	22.626	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	425186	23.131	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	288998	23.390	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	297498	23.328	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	273811	23.550	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	26605	27.432	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	190307	20.591	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	148295	20.378	ug/L	99
71) Naphthalene	13.435	128	260125	21.904	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	147322	22.185	ug/L	98

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

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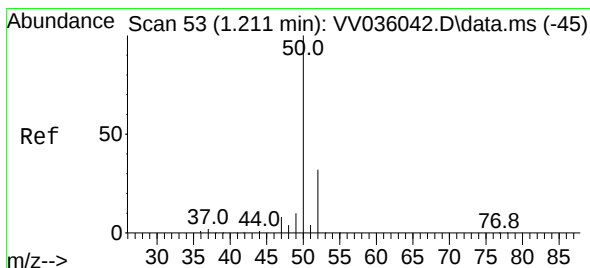
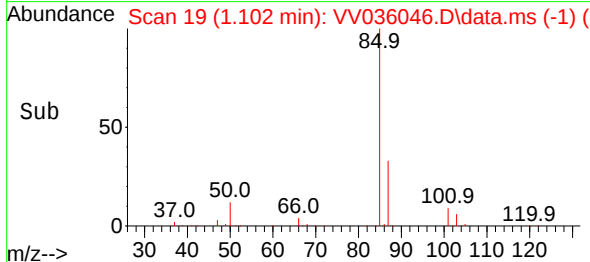
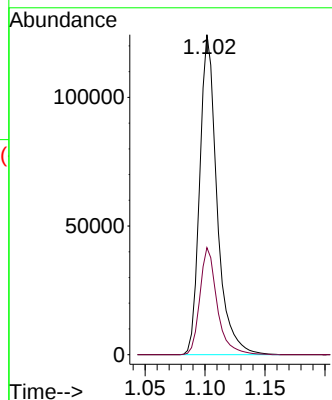
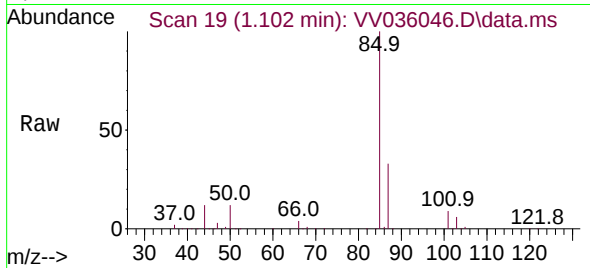




#2
 Dichlorodifluoromethane
 Concen: 20.032 ug/L
 RT: 1.102 min Scan# 19
 Delta R.T. -0.003 min
 Lab File: VV036046.D
 Acq: 12 Jun 2024 19:19

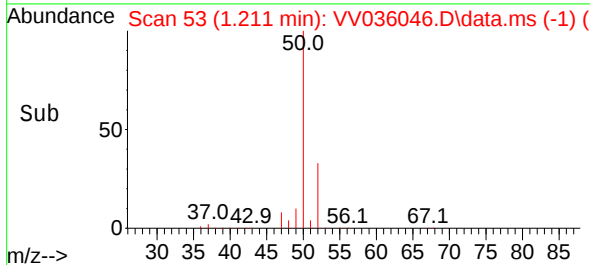
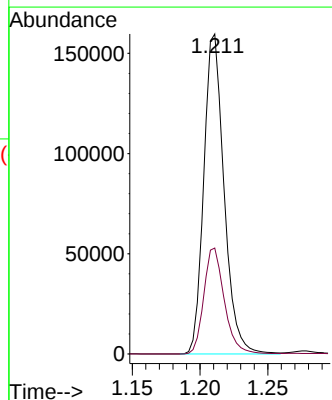
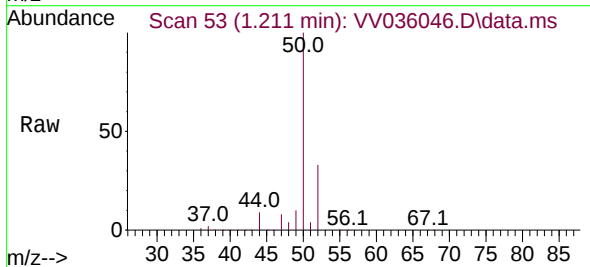
Instrument :
 MSVOA_V
 ClientSampleId :

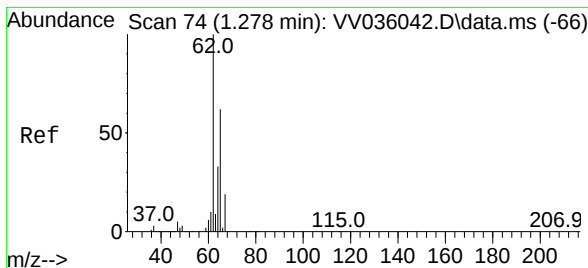
Tgt Ion: 85 Resp: 125446
 Ion Ratio Lower Upper
 85 100
 87 33.3 25.9 38.9



#3
 Chloromethane
 Concen: 23.171 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV036046.D
 Acq: 12 Jun 2024 19:19

Tgt Ion: 50 Resp: 166525
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.8 42.4





#5

Vinyl chloride

Concen: 24.042 ug/L

RT: 1.275 min Scan# 74

Delta R.T. -0.003 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

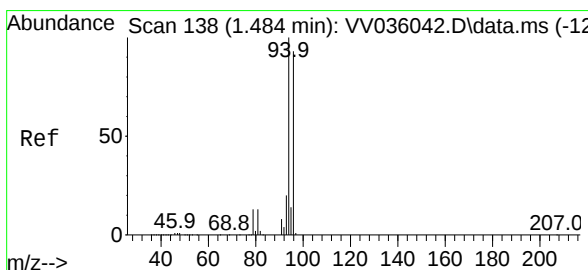
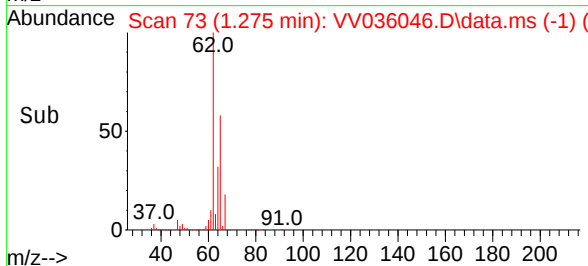
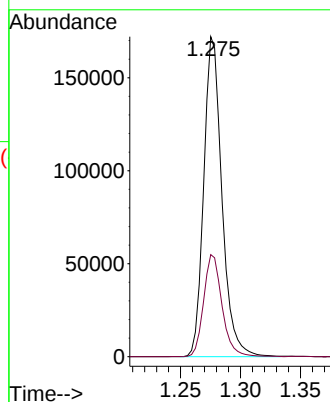
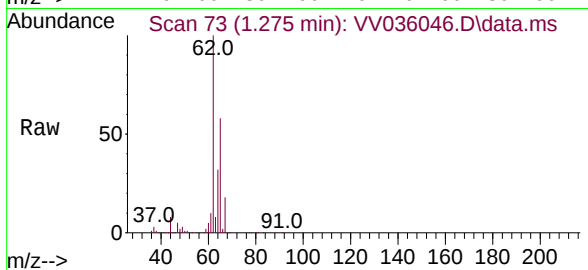
ClientSampleId :

Tgt Ion: 62 Resp: 181901

Ion Ratio Lower Upper

62 100

64 31.9 22.9 42.5



#6

Bromomethane

Concen: 23.524 ug/L

RT: 1.481 min Scan# 137

Delta R.T. -0.003 min

Lab File: VV036046.D

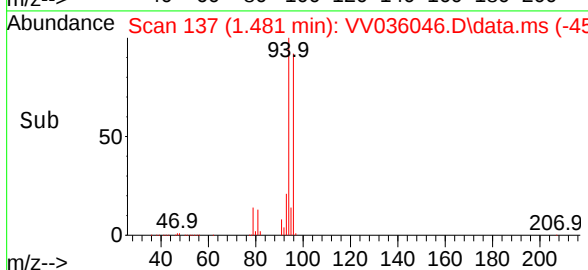
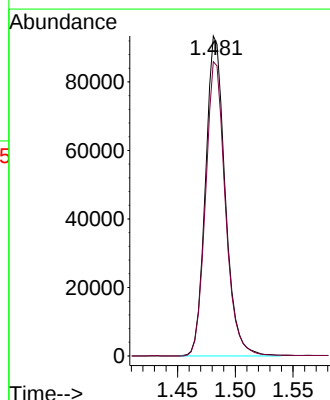
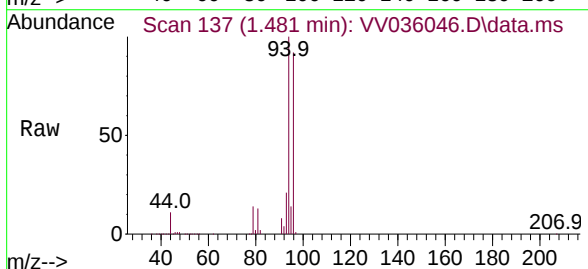
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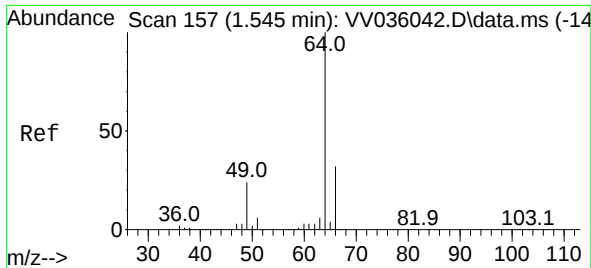
Tgt Ion: 94 Resp: 110411

Ion Ratio Lower Upper

94 100

96 91.9 65.7 122.1

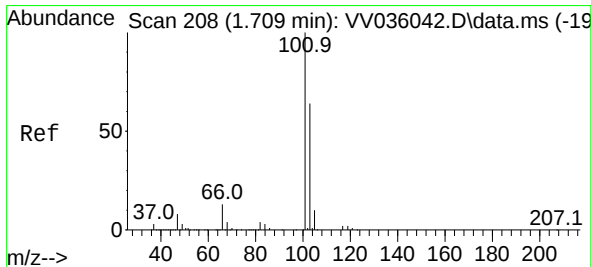
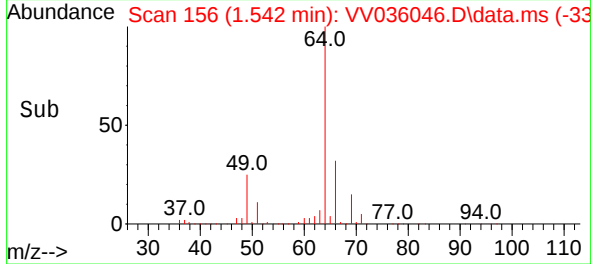
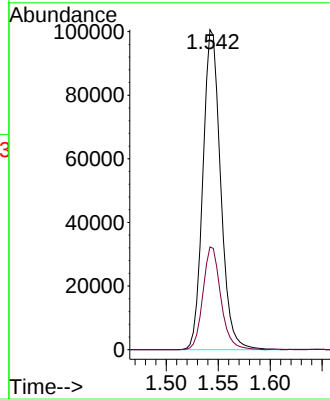
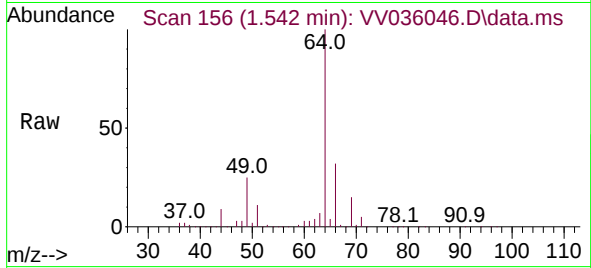




#8
Chloroethane
Concen: 25.353 ug/L
RT: 1.542 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

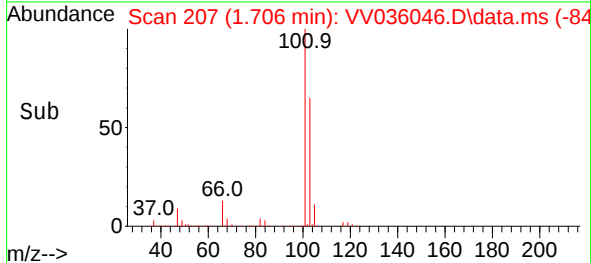
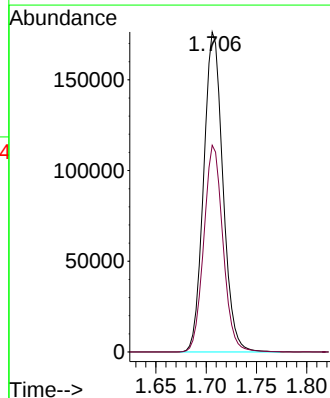
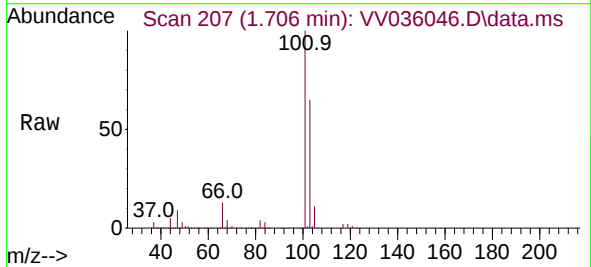
Instrument :
MSVOA_V
ClientSampleId :

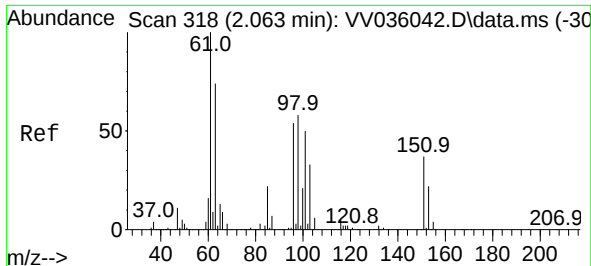
Tgt Ion: 64 Resp: 119231
Ion Ratio Lower Upper
64 100
66 32.1 22.0 41.0



#9
Trichlorofluoromethane
Concen: 24.963 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.003 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

Tgt Ion:101 Resp: 234548
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.8





#10

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

Concen: 24.279 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.003 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

ClientSampleId :

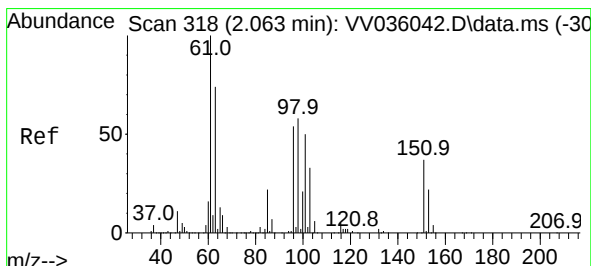
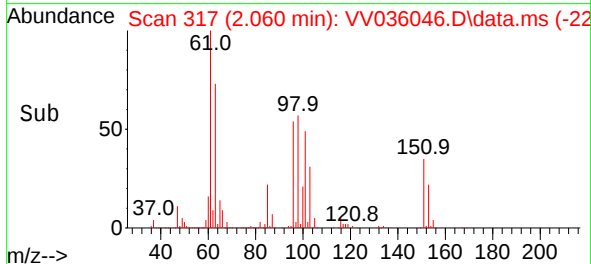
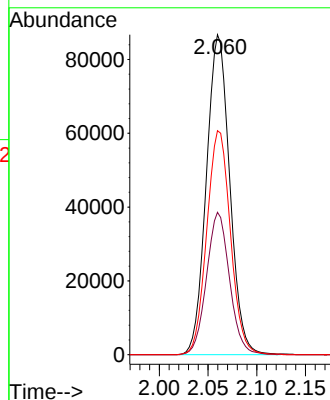
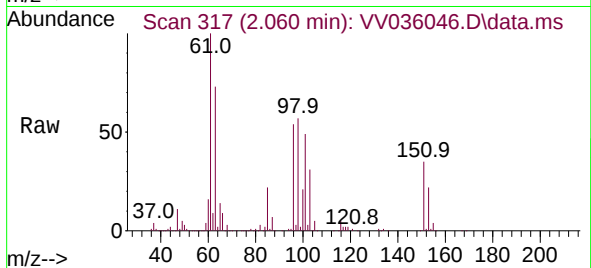
Tgt Ion:101 Resp: 144773

Ion Ratio Lower Upper

101 100

85 43.8 34.5 51.7

151 70.9 56.3 84.5



#12

1,1-Dichloroethene

Concen: 24.920 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

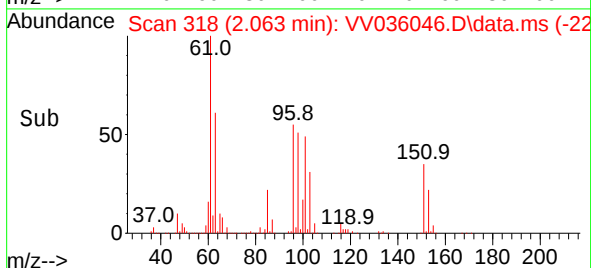
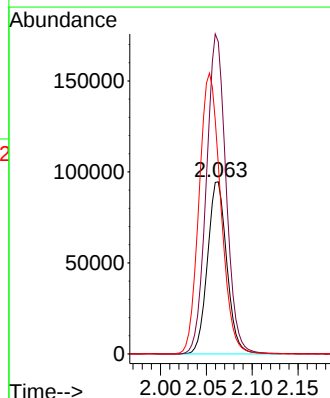
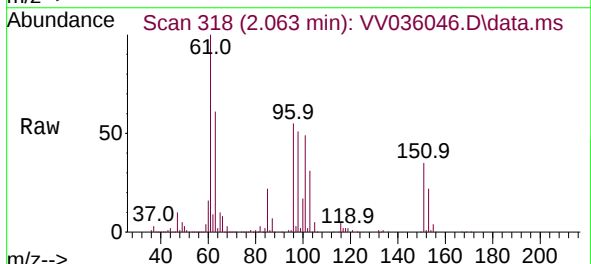
Tgt Ion: 96 Resp: 138592

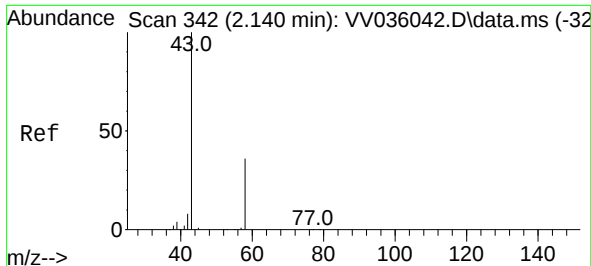
Ion Ratio Lower Upper

96 100

61 181.3 127.3 236.3

63 110.6 93.7 173.9





#13

Acetone

Concen: 38.629 ug/L

RT: 2.153 min Scan# 34

Delta R.T. 0.013 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

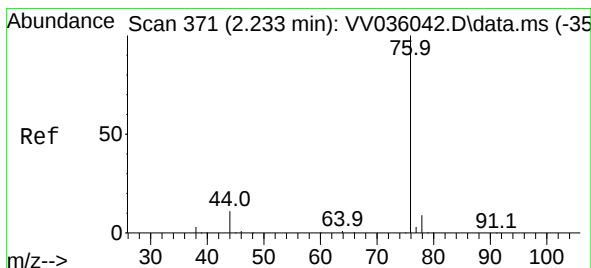
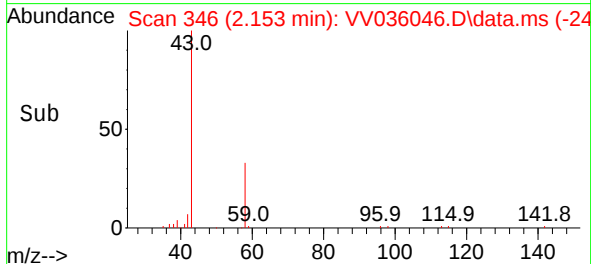
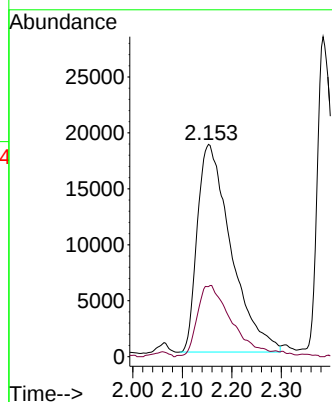
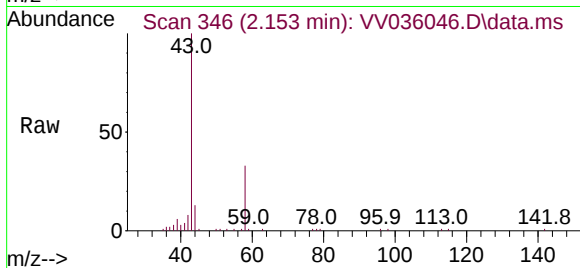
ClientSampleId :

Tgt Ion: 43 Resp: 88152

Ion Ratio Lower Upper

43 100

58 10.1 0.0 24.2



#14

Carbon disulfide

Concen: 22.249 ug/L

RT: 2.230 min Scan# 370

Delta R.T. -0.003 min

Lab File: VV036046.D

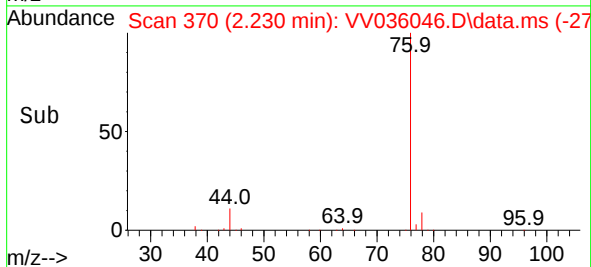
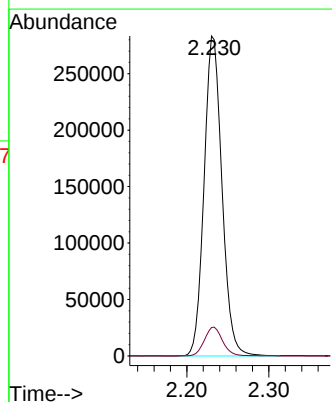
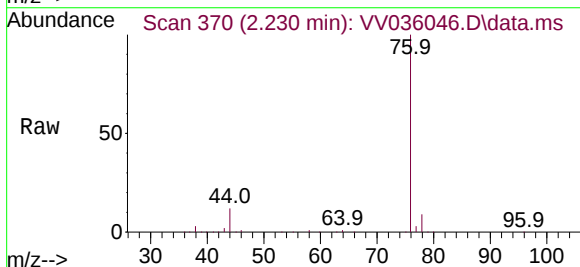
Acq: 12 Jun 2024 19:19

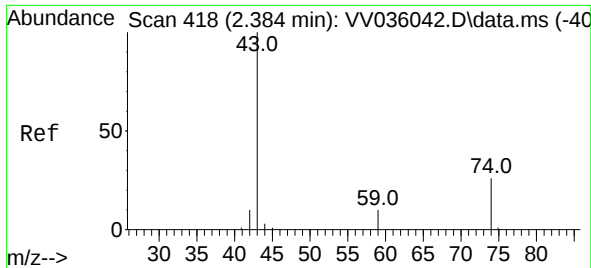
Tgt Ion: 76 Resp: 429691

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

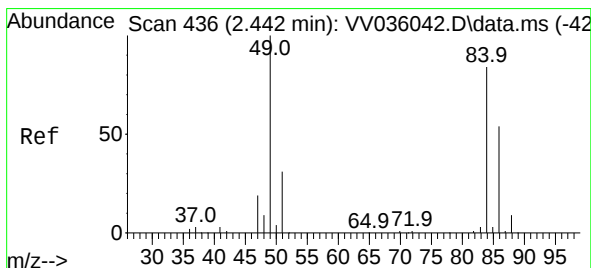
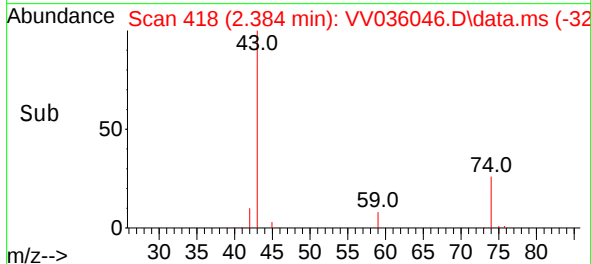
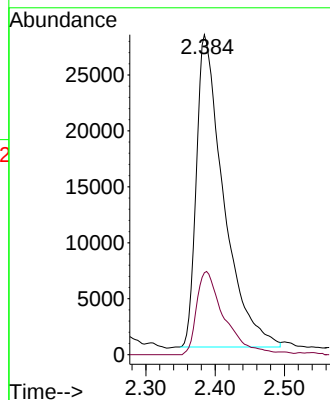
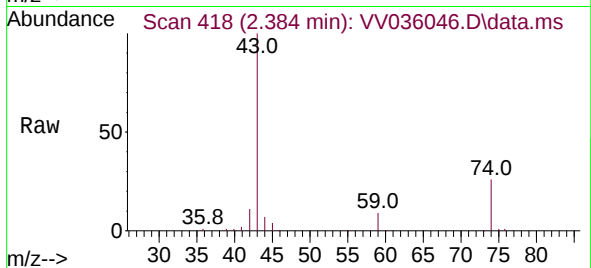




#15
Methyl Acetate
Concen: 26.839 ug/L
RT: 2.384 min Scan# 418
Delta R.T. 0.000 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

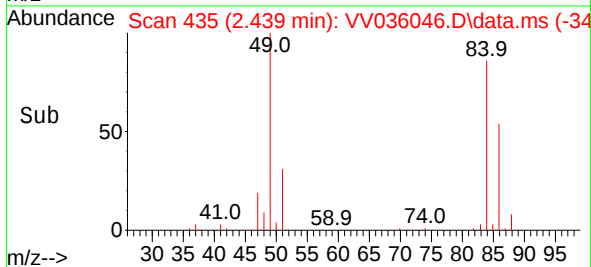
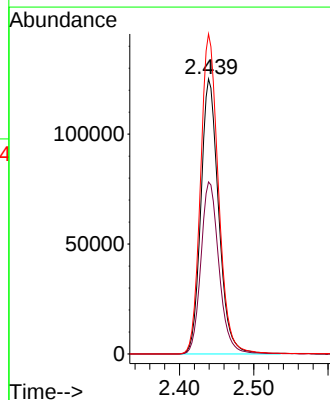
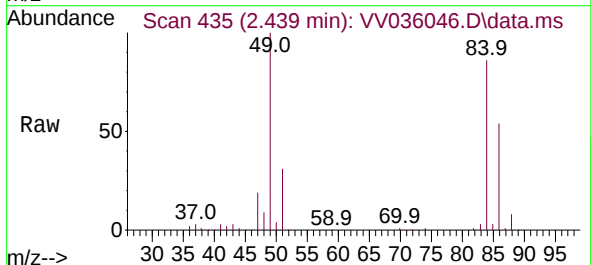
Instrument :
MSVOA_V
ClientSampleId :

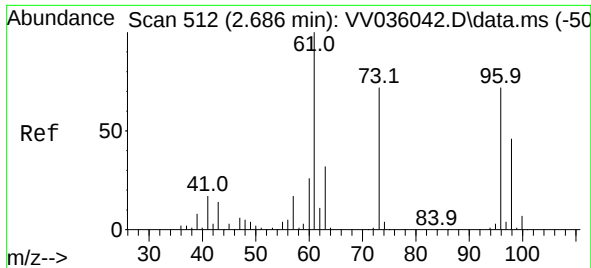
Tgt Ion: 43 Resp: 76128
Ion Ratio Lower Upper
43 100
74 27.0 21.4 32.2



#16
Methylene chloride
Concen: 26.494 ug/L
RT: 2.439 min Scan# 435
Delta R.T. -0.003 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

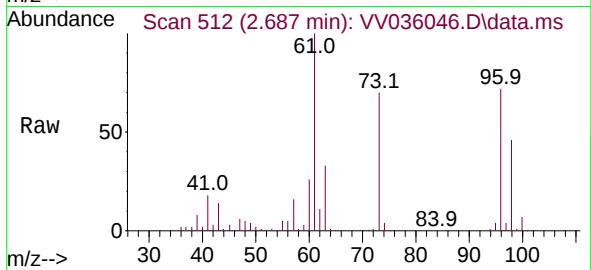
Tgt Ion: 84 Resp: 208209
Ion Ratio Lower Upper
84 100
86 62.5 44.6 82.8
49 116.3 81.1 150.5





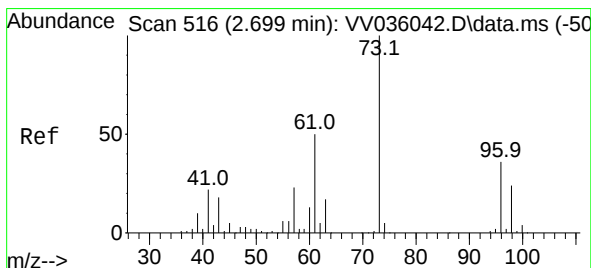
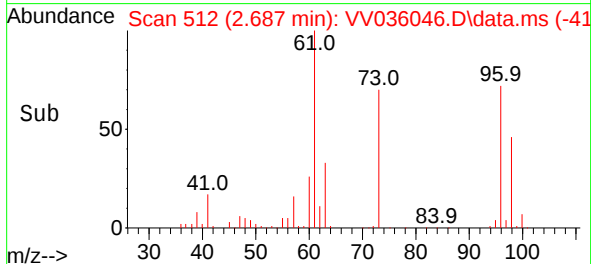
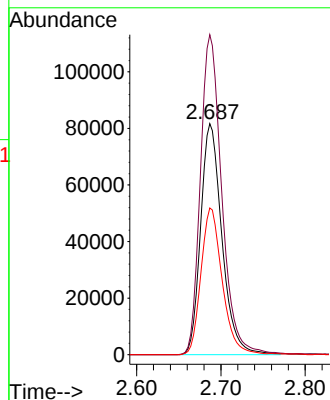
#17
trans-1,2-Dichloroethene
Concen: 24.356 ug/L
RT: 2.687 min Scan# 512
Delta R.T. 0.000 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 143891

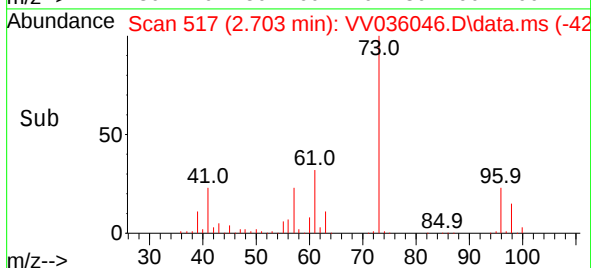
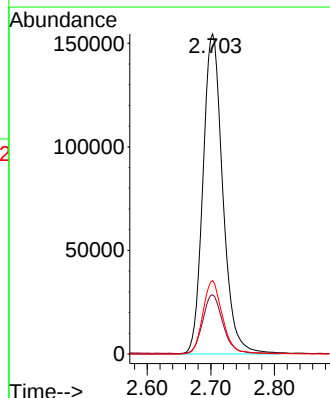
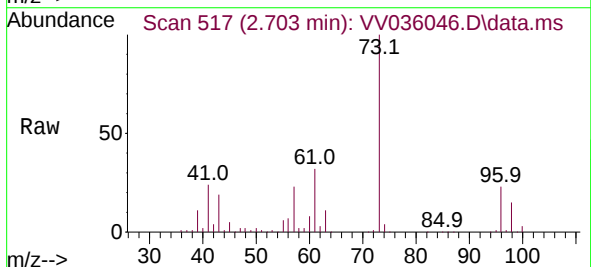
Ion	Ratio	Lower	Upper
96	100		
61	138.5	99.4	184.6
98	63.5	44.9	83.3

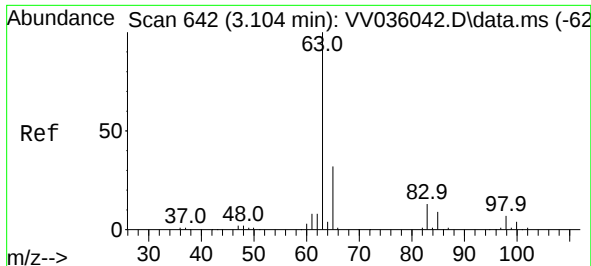


#18
Methyl tert-butyl Ether
Concen: 25.216 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

Tgt Ion: 73 Resp: 334437

Ion	Ratio	Lower	Upper
73	100		
43	18.6	14.3	21.5
57	22.7	17.8	26.6





#19

1,1-Dichloroethane

Concen: 25.985 ug/L

RT: 3.105 min Scan# 642

Delta R.T. 0.000 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

ClientSampleId :

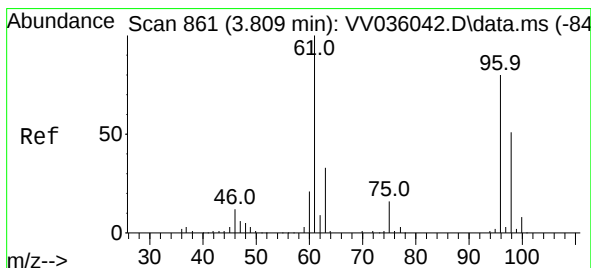
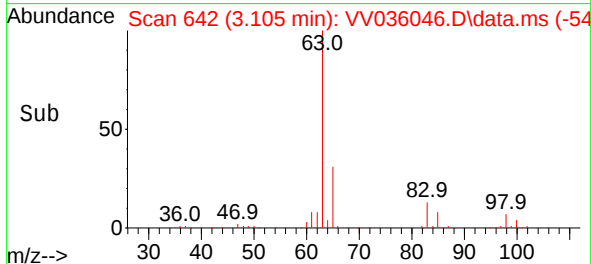
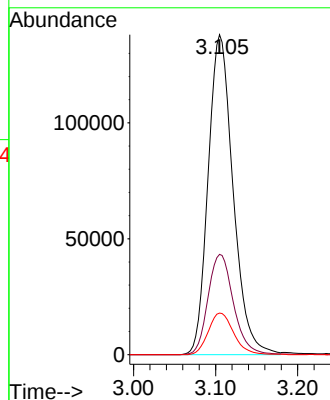
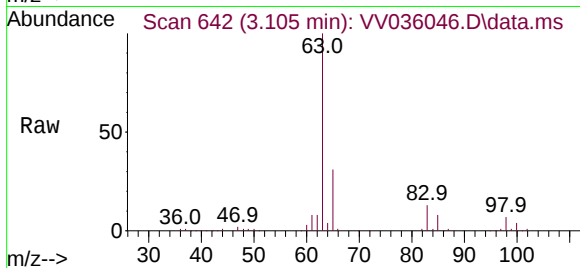
Tgt Ion: 63 Resp: 292351

Ion Ratio Lower Upper

63 100

65 31.3 22.4 41.6

83 13.0 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 24.403 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.000 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

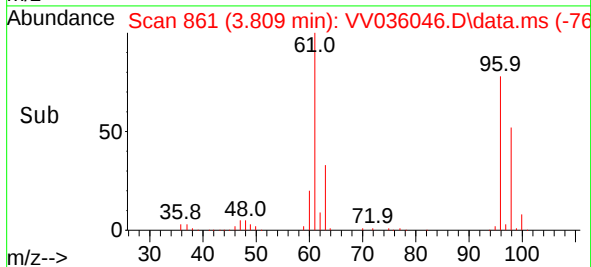
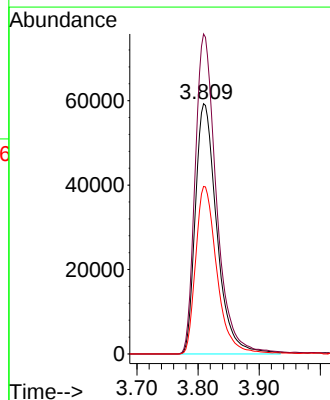
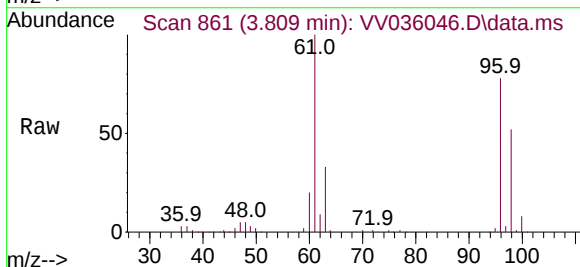
Tgt Ion: 96 Resp: 144862

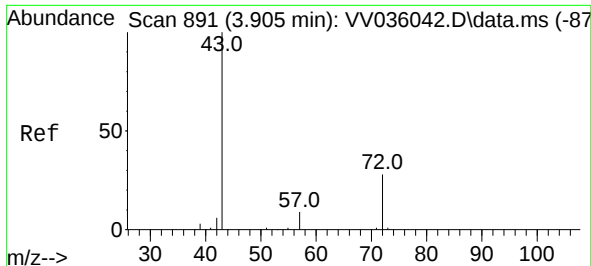
Ion Ratio Lower Upper

96 100

61 127.8 87.9 163.3

98 66.9 44.4 82.5





#22

2-Butanone

Concen: 44.158 ug/L

RT: 3.915 min Scan# 891

Delta R.T. 0.010 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

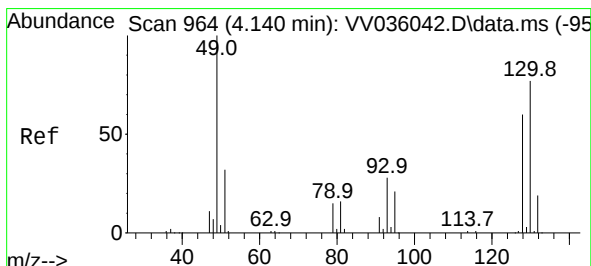
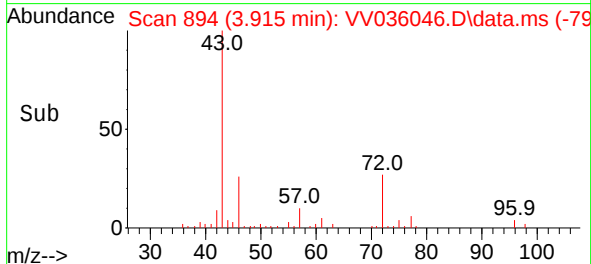
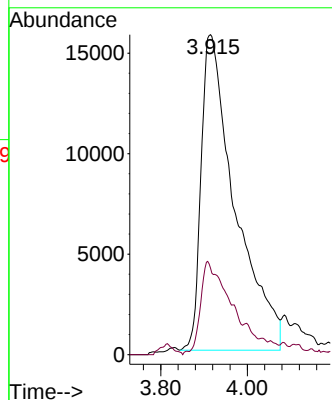
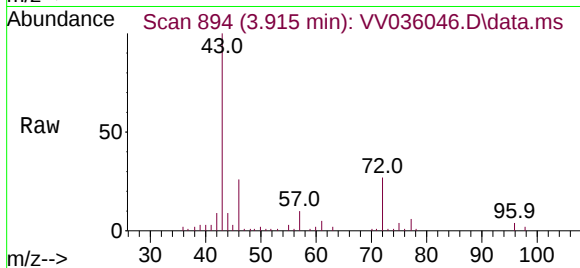
ClientSampleId :

Tgt Ion: 43 Resp: 85505

Ion Ratio Lower Upper

43 100

72 19.1 8.2 24.4



#23

Bromochloromethane

Concen: 25.360 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.003 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Tgt Ion:128 Resp: 75513

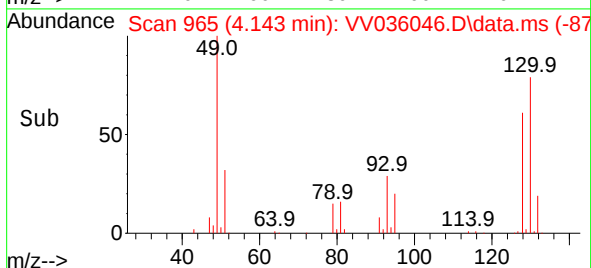
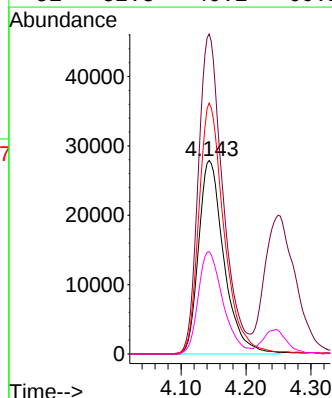
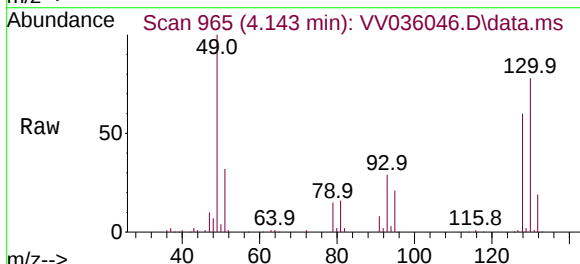
Ion Ratio Lower Upper

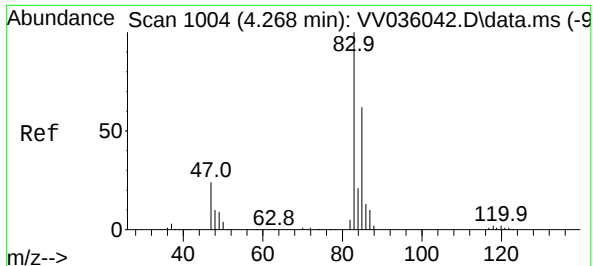
128 100

49 165.5 110.2 204.6

130 129.7 90.2 167.4

51 52.8 40.2 60.2





#25

Chloroform

Concen: 25.911 ug/L

RT: 4.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

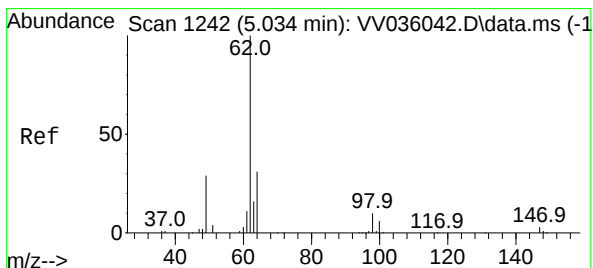
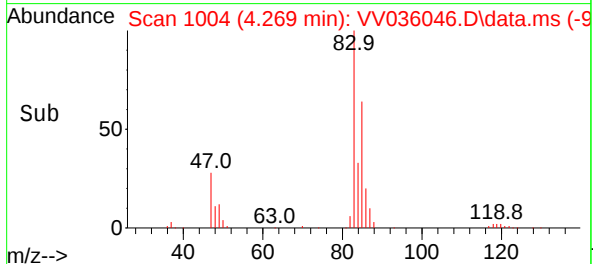
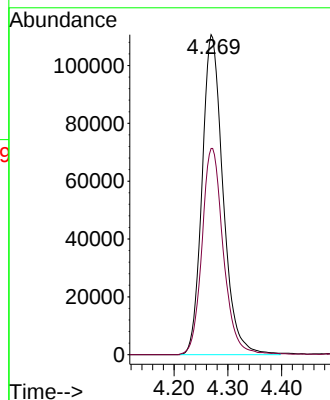
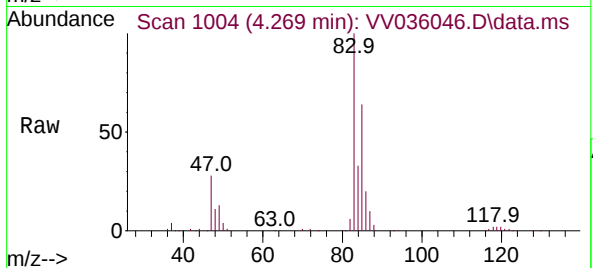
ClientSampleId :

Tgt Ion: 83 Resp: 299877

Ion Ratio Lower Upper

83 100

85 64.4 45.2 84.0



#27

1,2-Dichloroethane

Concen: 26.236 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV036046.D

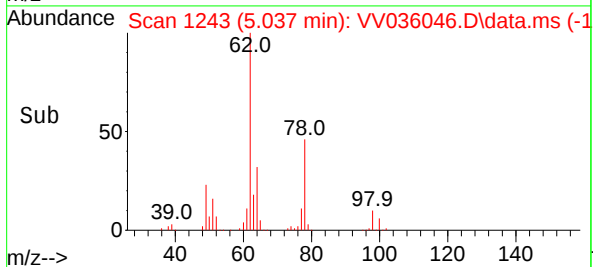
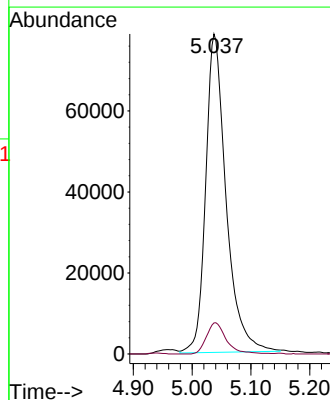
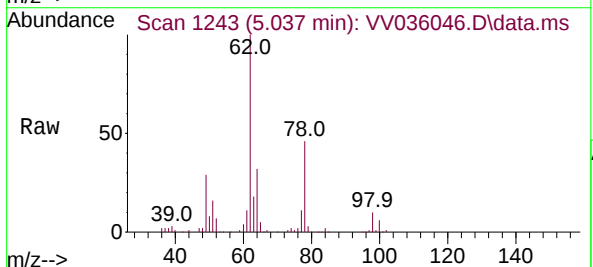
Acq: 12 Jun 2024 19:19

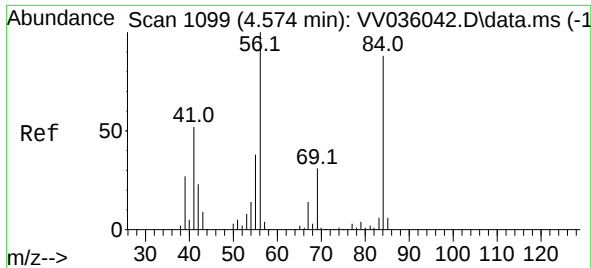
Tgt Ion: 62 Resp: 189565

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.6





#29

Cyclohexane

Concen: 22.562 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

ClientSampleId :

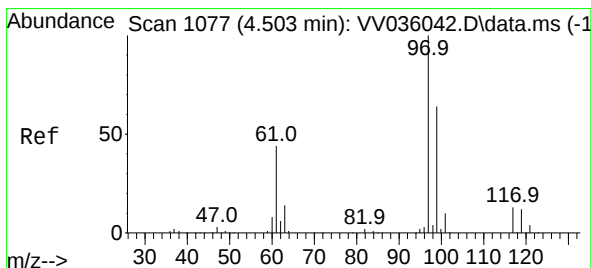
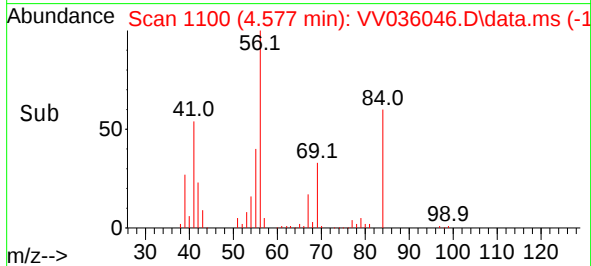
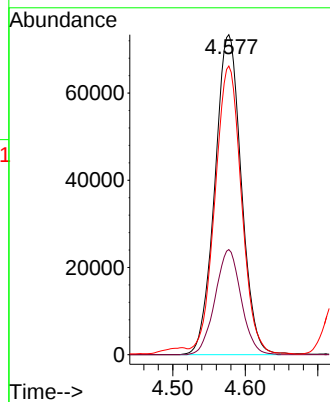
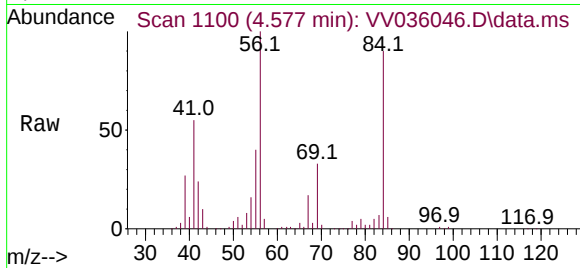
Tgt Ion: 56 Resp: 185867

Ion Ratio Lower Upper

56 100

69 32.2 25.2 37.8

84 90.0 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 26.462 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

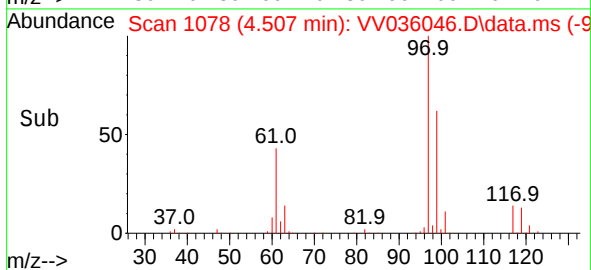
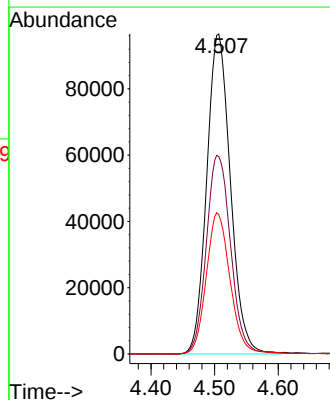
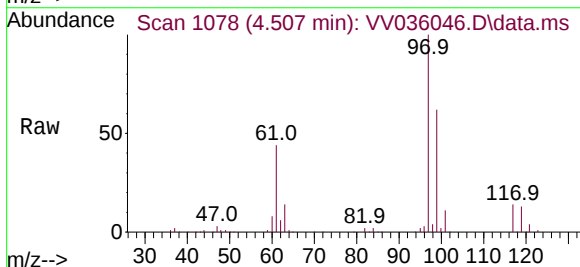
Tgt Ion: 97 Resp: 250305

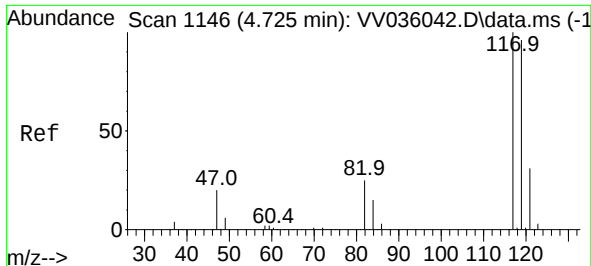
Ion Ratio Lower Upper

97 100

99 63.6 50.9 76.3

61 44.3 35.0 52.6

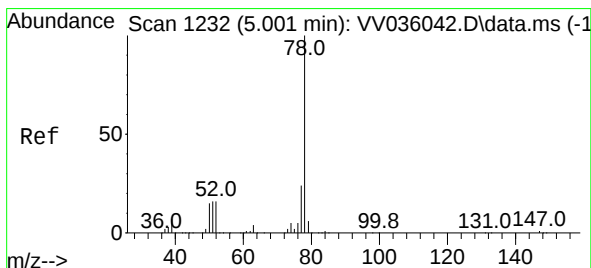
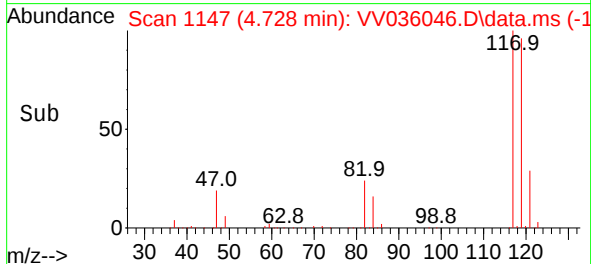
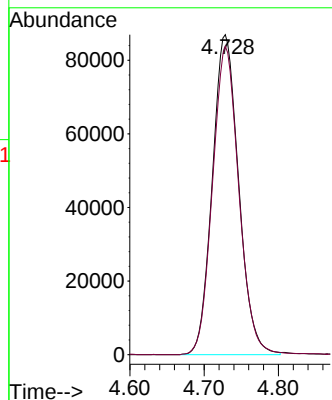
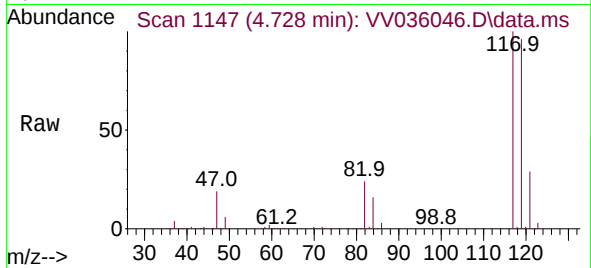




#31
Carbon tetrachloride
Concen: 25.760 ug/L
RT: 4.728 min Scan# 1146
Delta R.T. 0.003 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

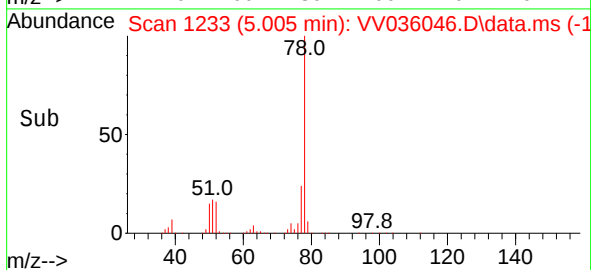
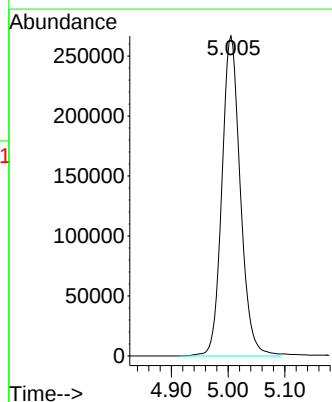
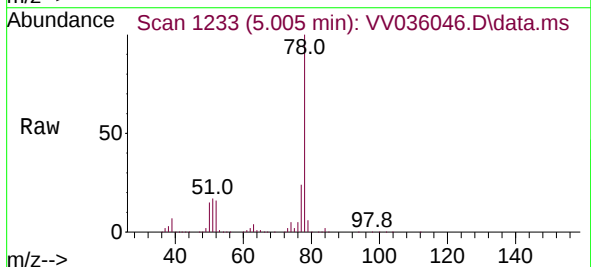
Instrument :
MSVOA_V
ClientSampleId :

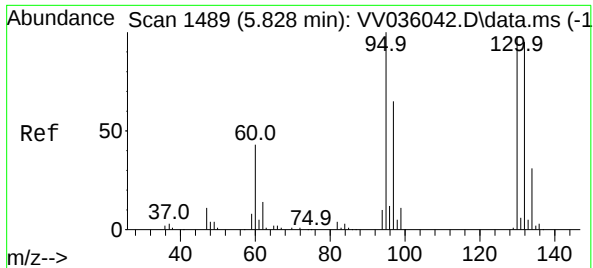
Tgt Ion:117 Resp: 213763
Ion Ratio Lower Upper
117 100
119 96.6 76.8 115.2



#33
Benzene
Concen: 26.659 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

Tgt Ion: 78 Resp: 603281

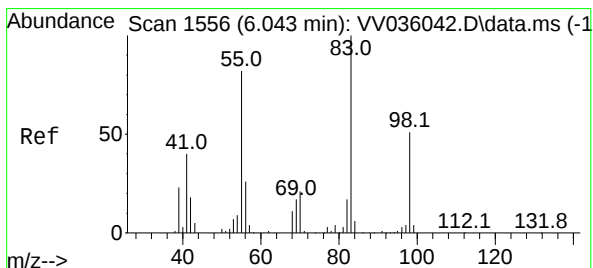
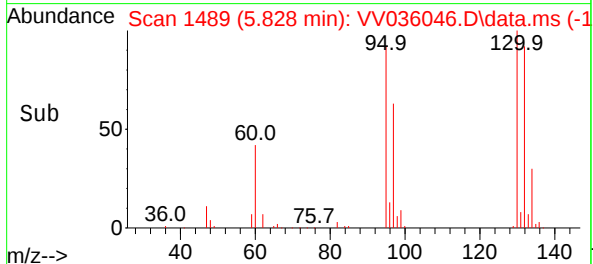
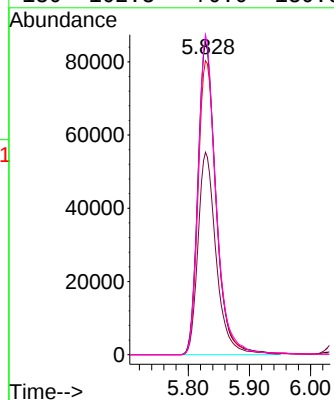
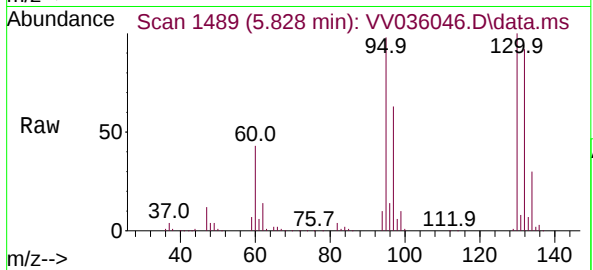




#34
Trichloroethene
Concen: 25.391 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

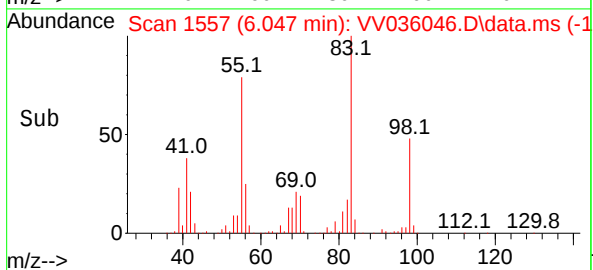
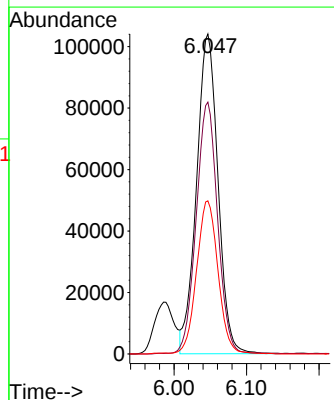
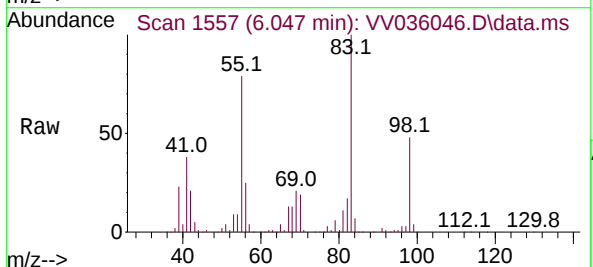
Instrument :
MSVOA_V
ClientSampleId :

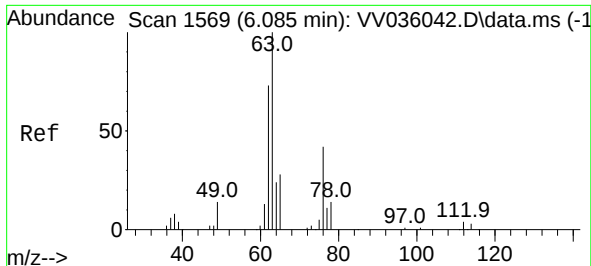
Tgt Ion: 95 Resp: 176099
Ion Ratio Lower Upper
95 100
97 64.7 44.8 83.2
132 94.0 66.8 124.2
130 102.3 70.0 130.0



#35
Methylcyclohexane
Concen: 22.314 ug/L
RT: 6.047 min Scan# 1557
Delta R.T. 0.003 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

Tgt Ion: 83 Resp: 214021
Ion Ratio Lower Upper
83 100
55 78.1 60.7 91.1
98 47.6 38.7 58.1

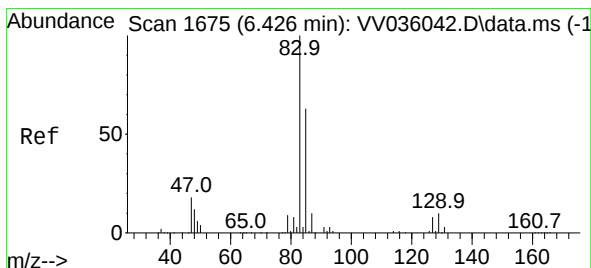
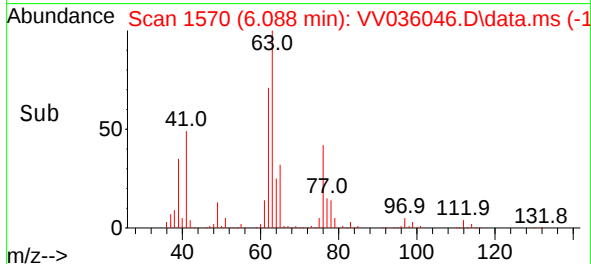
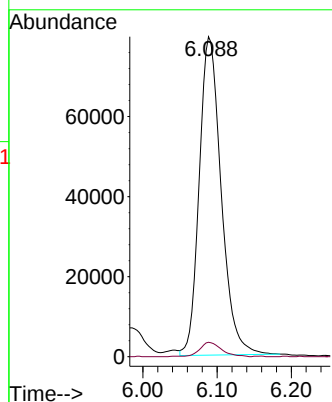
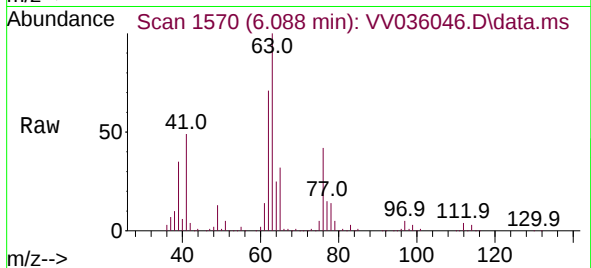




#37
1,2-Dichloropropane
Concen: 27.524 ug/L
RT: 6.088 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

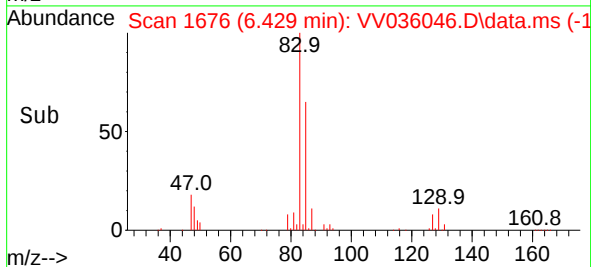
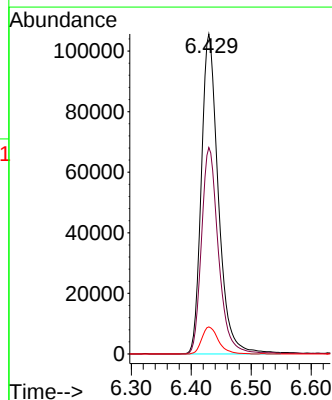
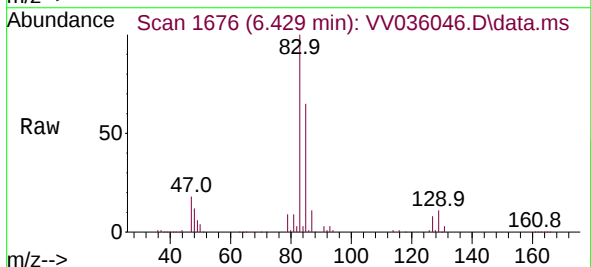
Instrument :
MSVOA_V
ClientSampleId :

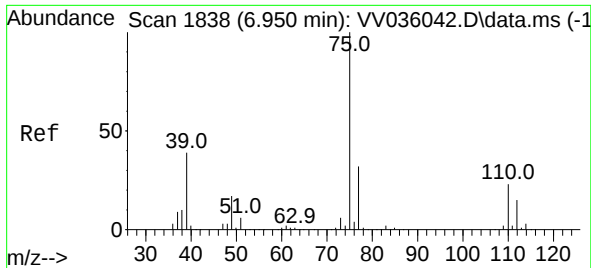
Tgt Ion: 63 Resp: 163548
Ion Ratio Lower Upper
63 100
112 4.5 3.5 5.3



#38
Bromodichloromethane
Concen: 26.541 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

Tgt Ion: 83 Resp: 208737
Ion Ratio Lower Upper
83 100
85 64.5 45.3 84.1
127 8.5 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 23.861 ug/L

RT: 6.950 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

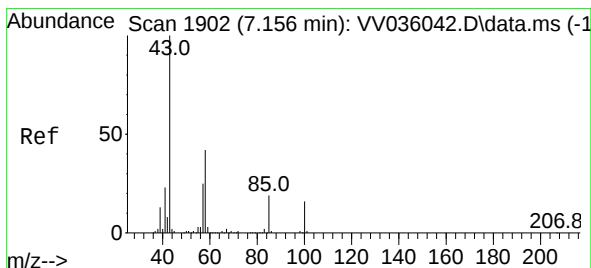
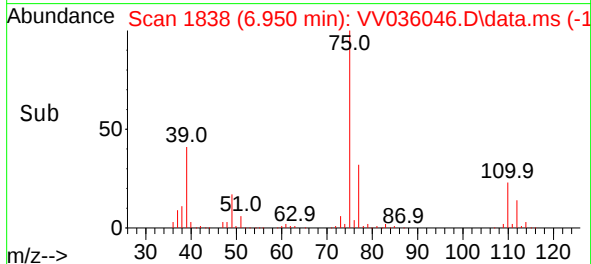
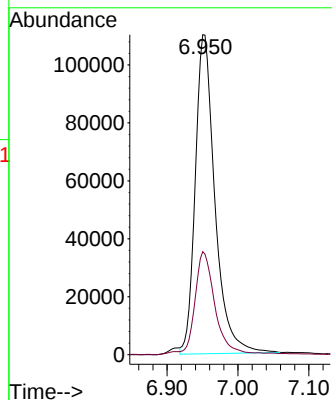
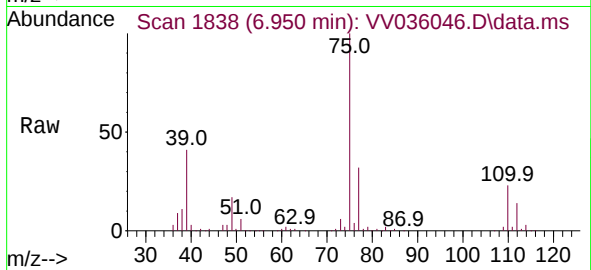
ClientSampleId :

Tgt Ion: 75 Resp: 212063

Ion Ratio Lower Upper

75 100

77 32.2 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 55.447 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

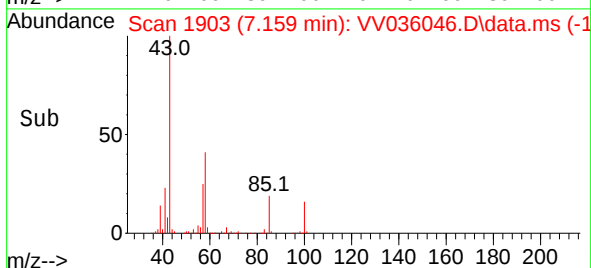
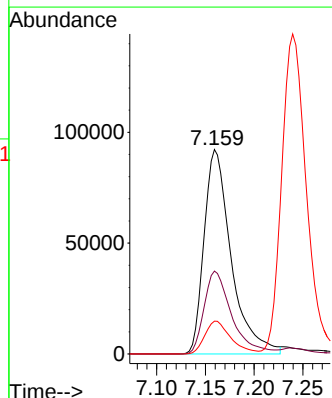
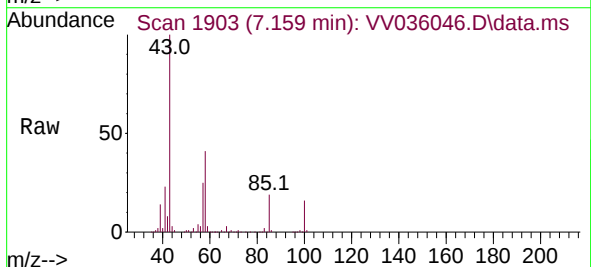
Tgt Ion: 43 Resp: 178999

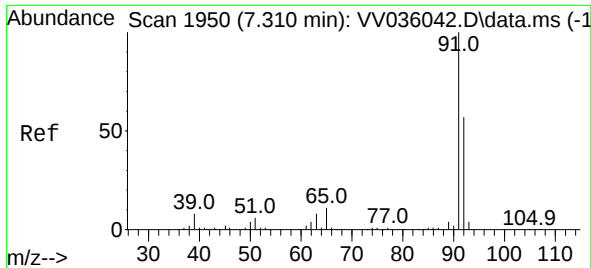
Ion Ratio Lower Upper

43 100

58 41.1 32.5 48.7

100 15.4 12.5 18.7

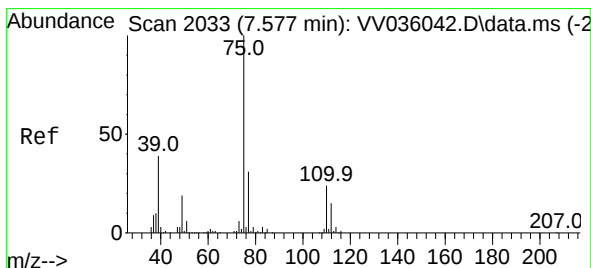
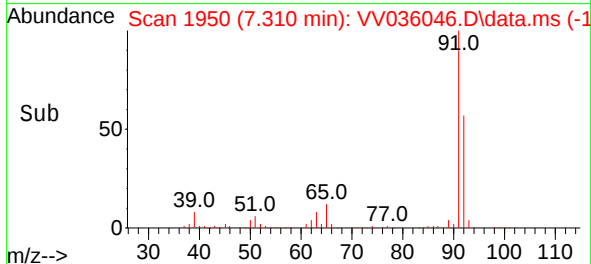
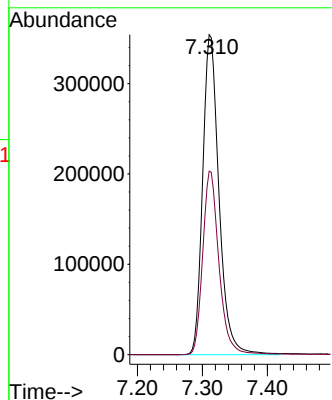
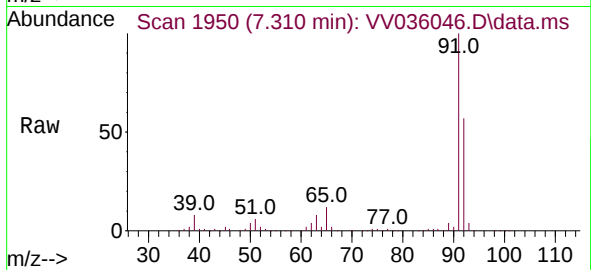




#42
Toluene
Concen: 26.791 ug/L
RT: 7.310 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

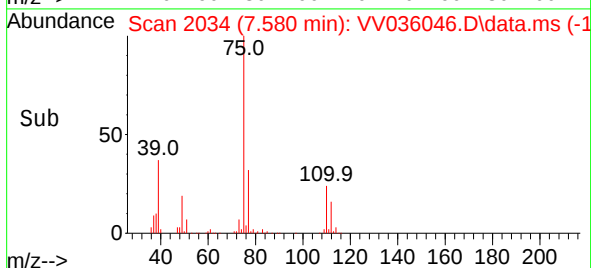
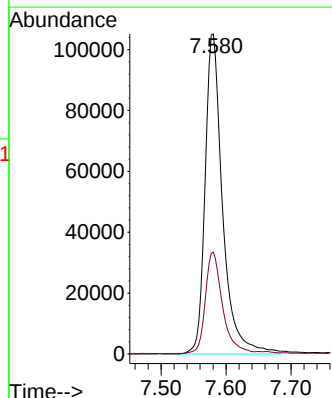
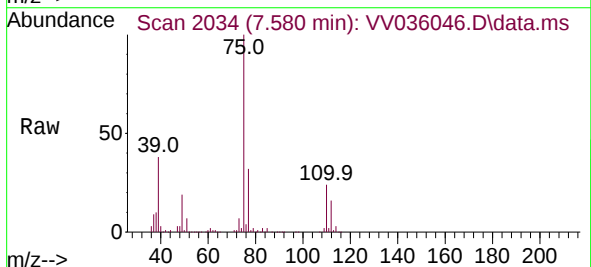
Instrument :
MSVOA_V
ClientSampleId :

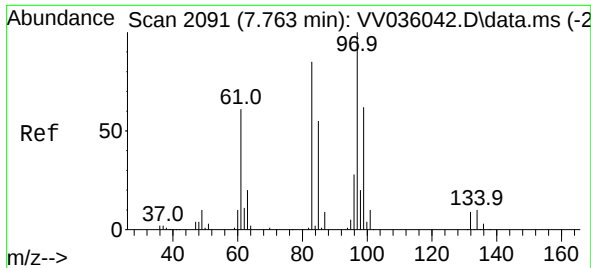
Tgt Ion: 91 Resp: 619485
Ion Ratio Lower Upper
91 100
92 57.3 40.6 75.4



#44
trans-1,3-Dichloropropene
Concen: 25.694 ug/L
RT: 7.580 min Scan# 2034
Delta R.T. 0.003 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

Tgt Ion: 75 Resp: 197235
Ion Ratio Lower Upper
75 100
77 31.8 23.1 42.9

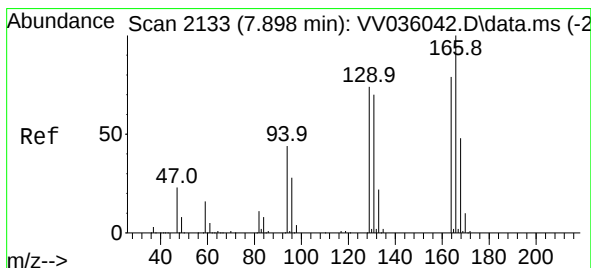
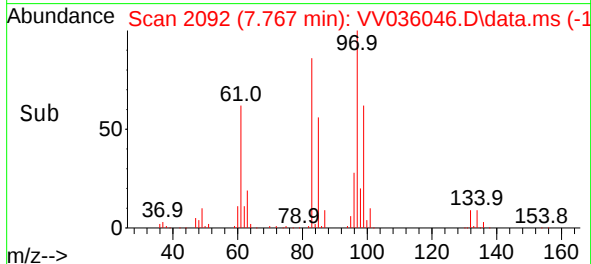
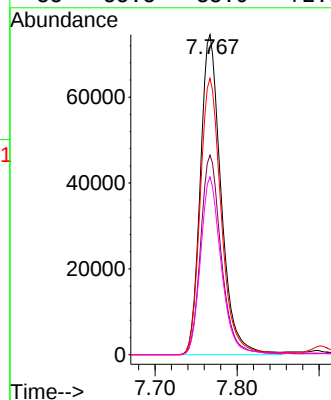
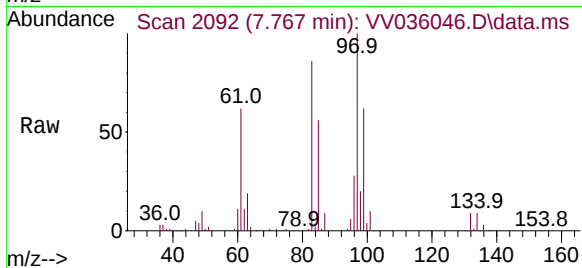




#45
1,1,2-Trichloroethane
Concen: 26.607 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.003 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

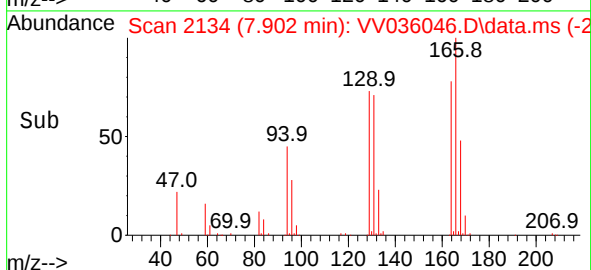
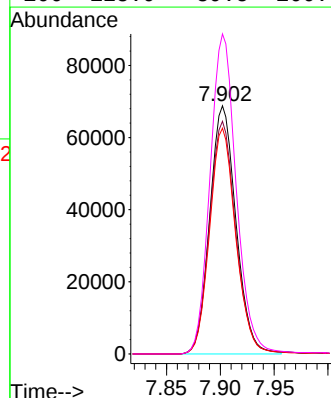
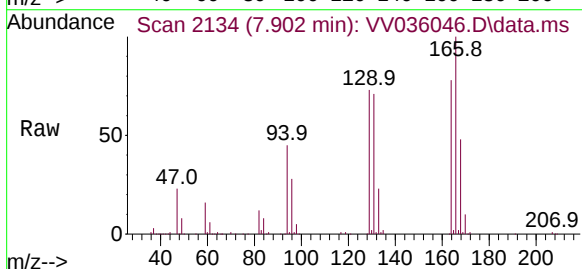
Instrument :
MSVOA_V
ClientSampleId :

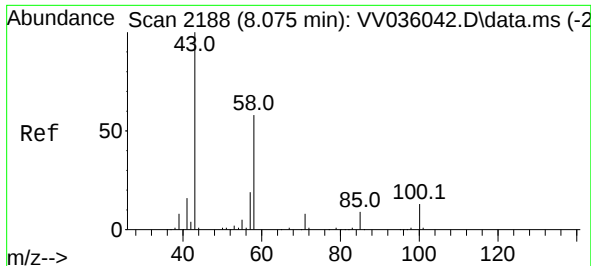
Tgt Ion:	97	Resp:	130812
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.3	80.5
83	86.4	60.1	111.7
85	55.5	38.9	72.3



#46
Tetrachloroethene
Concen: 22.987 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.003 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

Tgt Ion:	164	Resp:	116600
Ion	Ratio	Lower	Upper
164	100		
129	93.7	64.6	120.0
131	91.0	63.2	117.4
166	128.9	89.5	166.3





#48

2-Hexanone

Concen: 52.116 ug/L

RT: 8.079 min Scan# 2188

Delta R.T. 0.003 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 131531

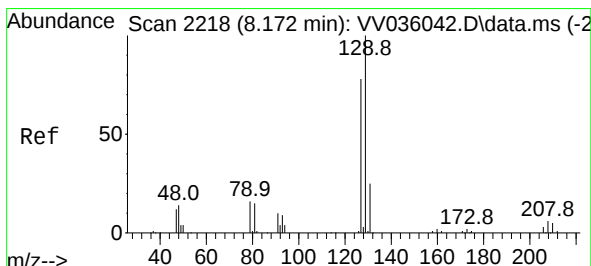
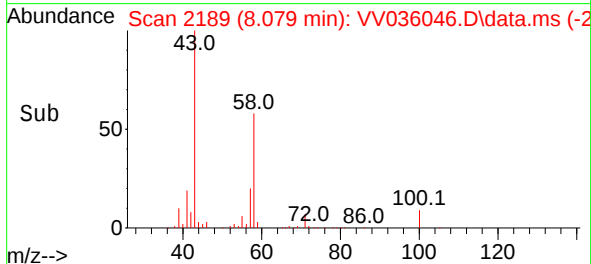
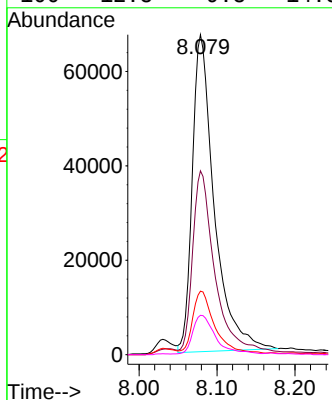
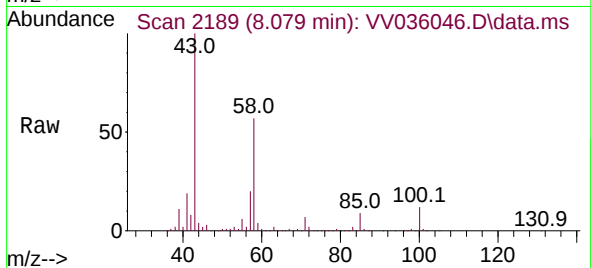
Ion Ratio Lower Upper

43 100

58 57.7 45.4 68.0

57 20.1 15.8 23.8

100 12.8 9.8 14.8



#49

Dibromochloromethane

Concen: 26.052 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.000 min

Lab File: VV036046.D

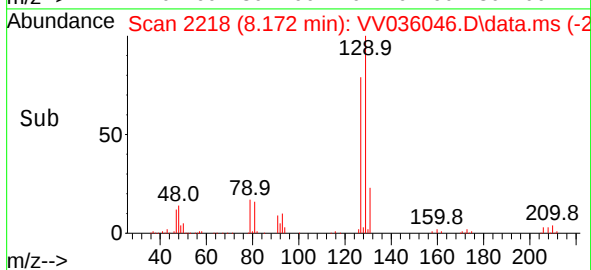
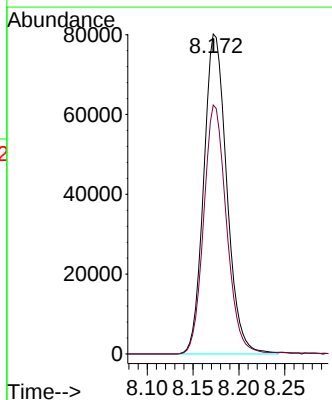
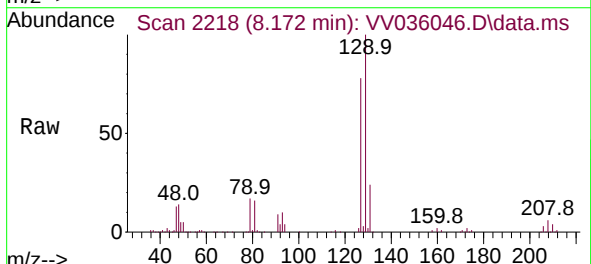
Acq: 12 Jun 2024 19:19

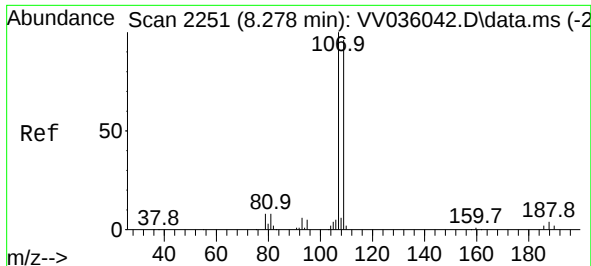
Tgt Ion:129 Resp: 140183

Ion Ratio Lower Upper

129 100

127 77.8 53.9 100.1

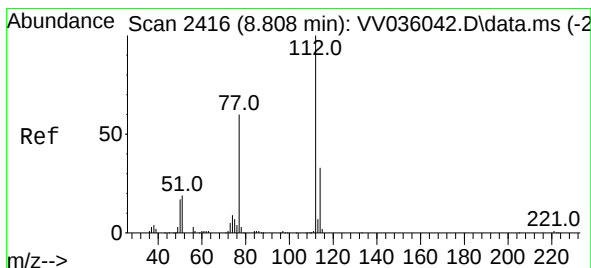
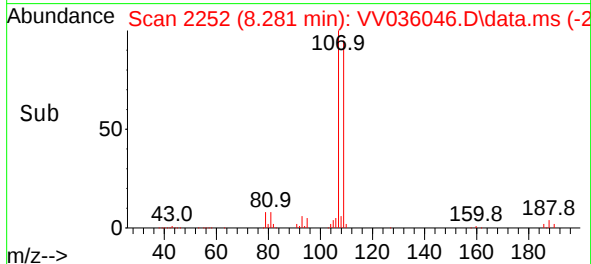
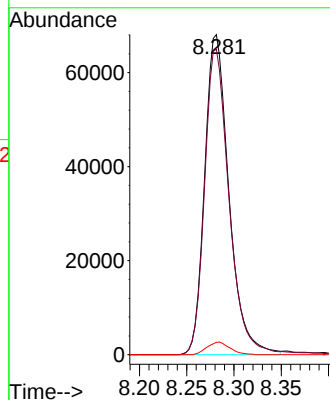
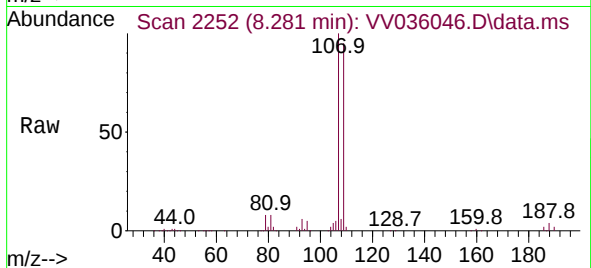




#50
1,2-Dibromoethane
Concen: 25.816 ug/L
RT: 8.281 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

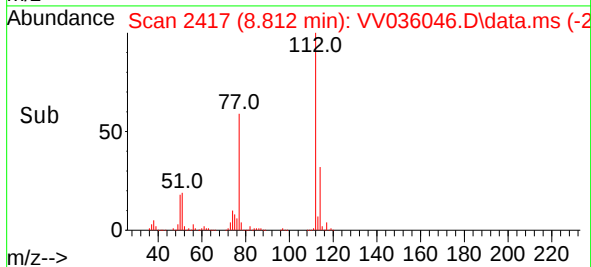
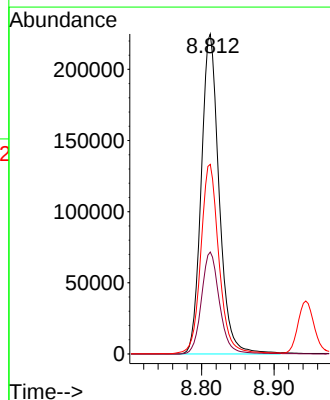
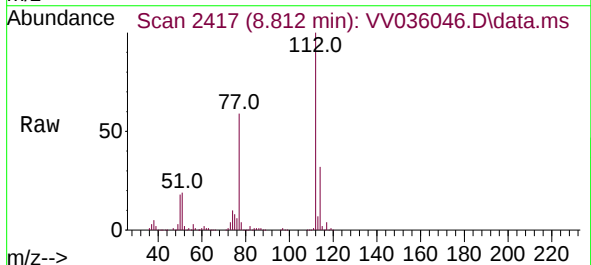
Instrument :
MSVOA_V
ClientSampleId :

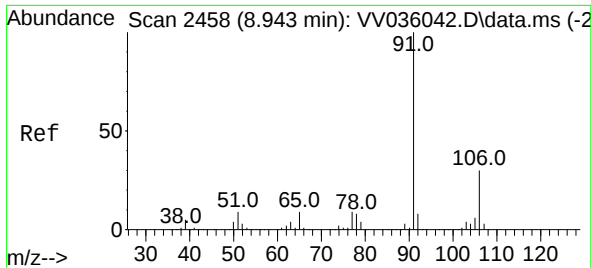
Tgt Ion:107 Resp: 121787
Ion Ratio Lower Upper
107 100
109 95.4 66.1 122.7
188 3.8 3.0 4.6



#51
Chlorobenzene
Concen: 24.452 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

Tgt Ion:112 Resp: 385241
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 59.2 47.3 70.9





#52

Ethylbenzene

Concen: 24.742 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

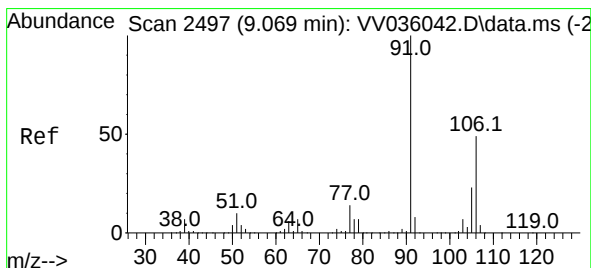
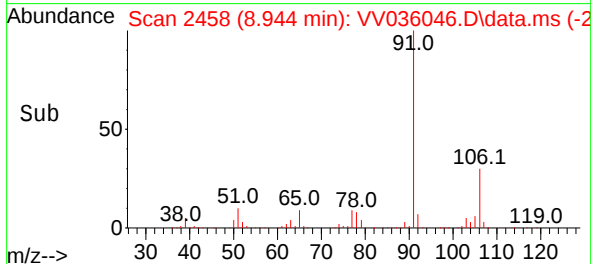
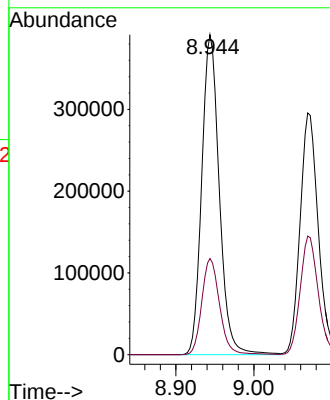
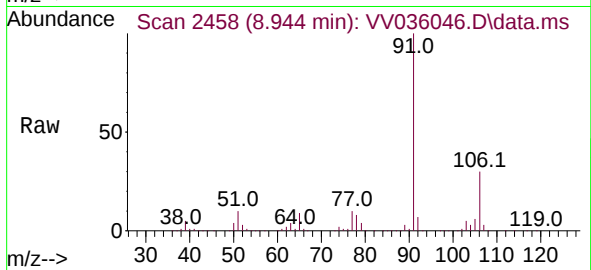
ClientSampleId :

Tgt Ion: 91 Resp: 612092

Ion Ratio Lower Upper

91 100

106 30.0 21.6 40.0



#53

m,p-Xylene

Concen: 25.153 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV036046.D

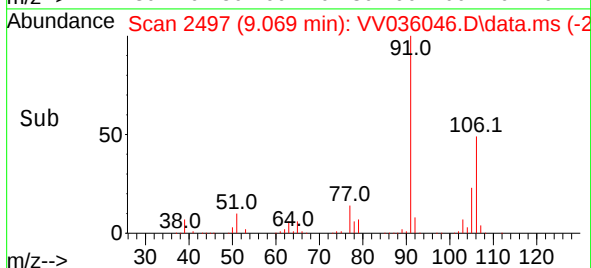
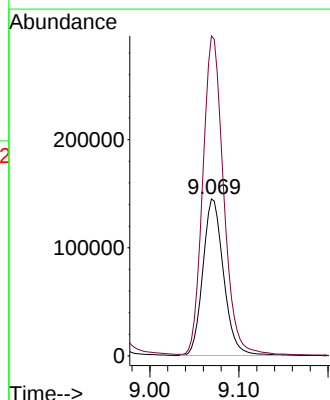
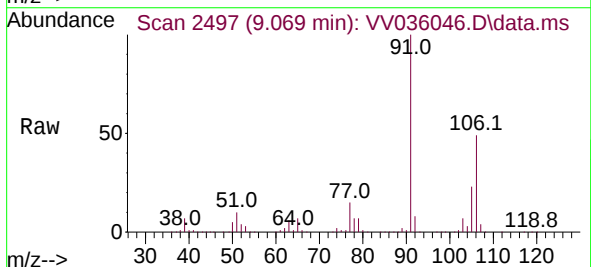
Acq: 12 Jun 2024 19:19

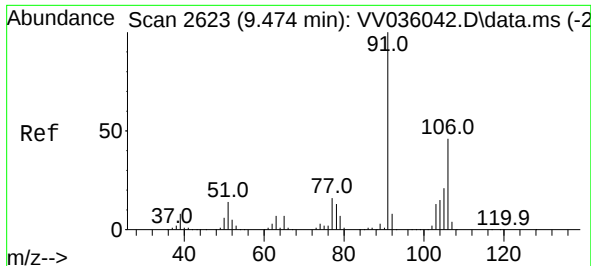
Tgt Ion: 106 Resp: 233818

Ion Ratio Lower Upper

106 100

91 203.8 143.1 265.9

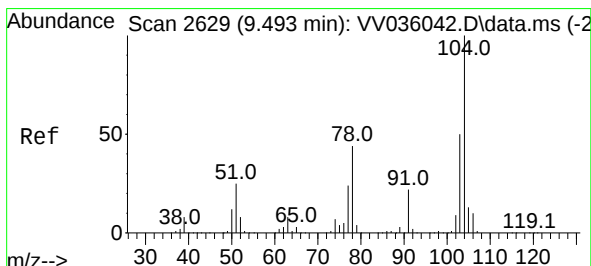
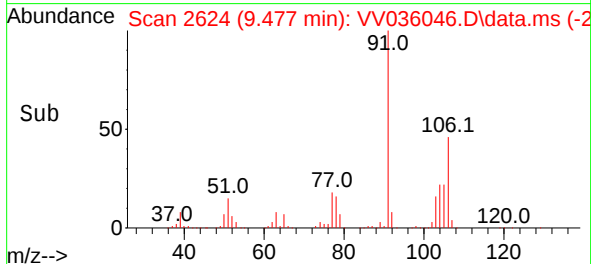
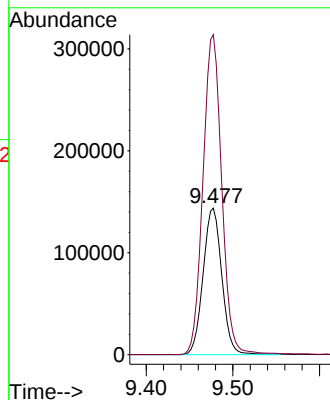
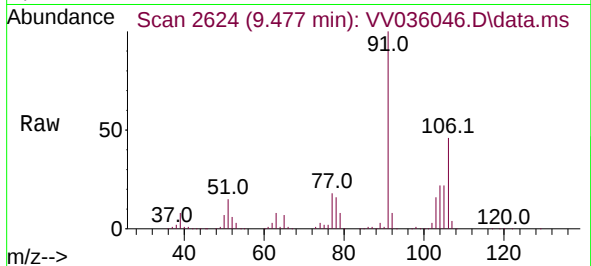




#54
o-Xylene
Concen: 24.648 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.003 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

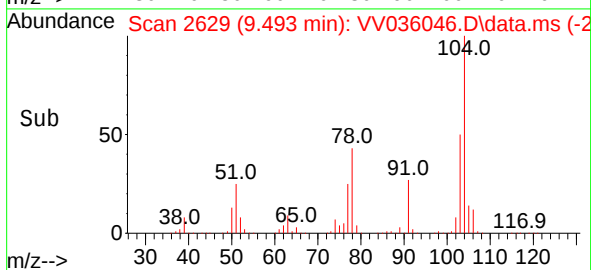
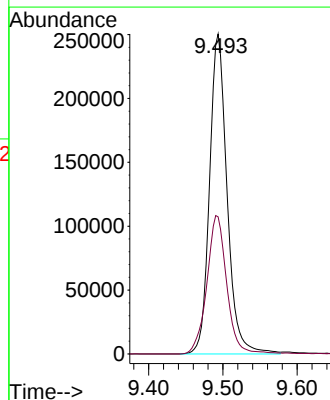
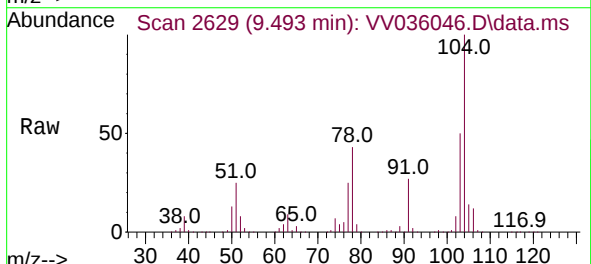
Instrument :
MSVOA_V
ClientSampleId :

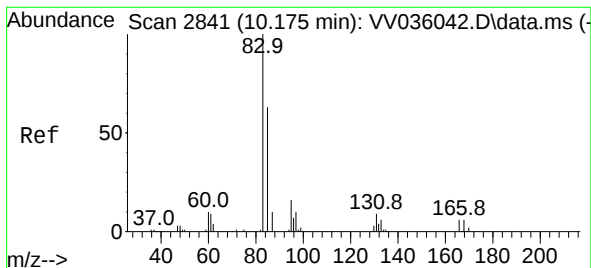
Tgt Ion:106 Resp: 216068
Ion Ratio Lower Upper
106 100
91 218.3 154.5 286.9



#55
Styrene
Concen: 26.570 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

Tgt Ion:104 Resp: 410736
Ion Ratio Lower Upper
104 100
78 42.8 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 27.088 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

ClientSampleId :

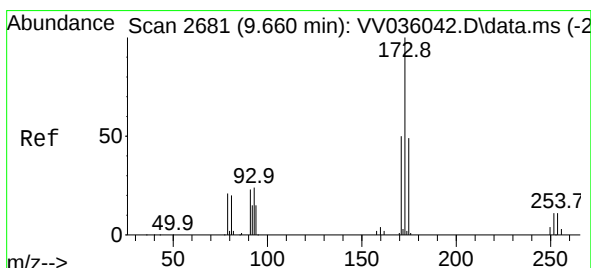
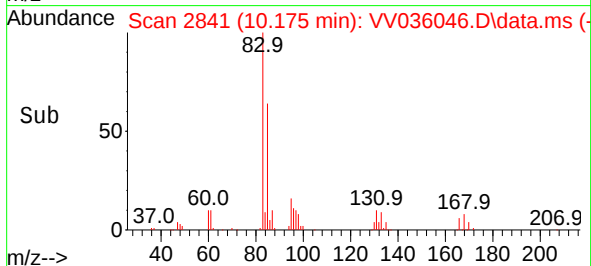
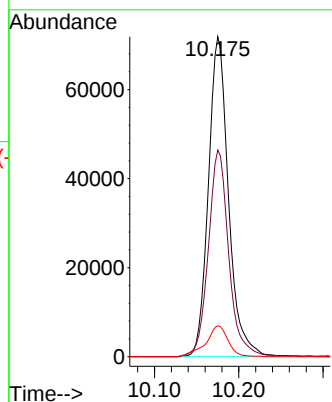
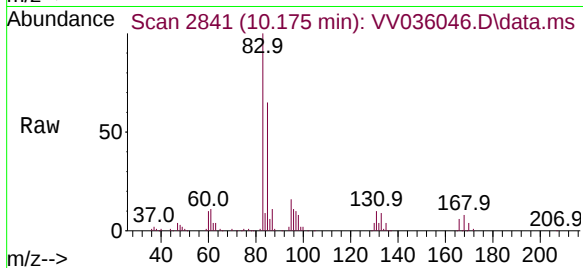
Tgt Ion: 83 Resp: 119250

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.7

131 9.7 7.6 11.4



#59

Bromoform

Concen: 26.500 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.003 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

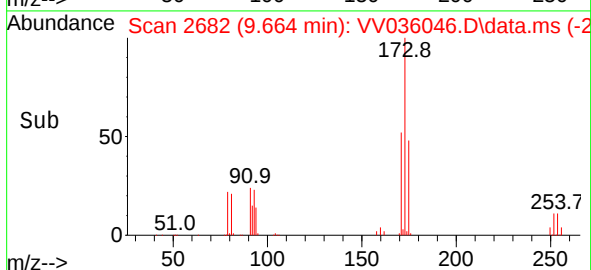
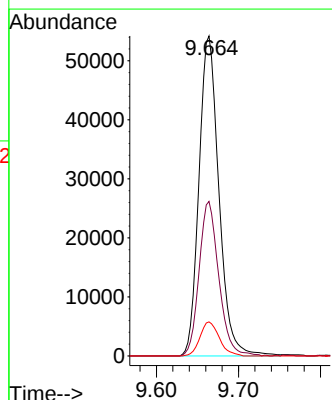
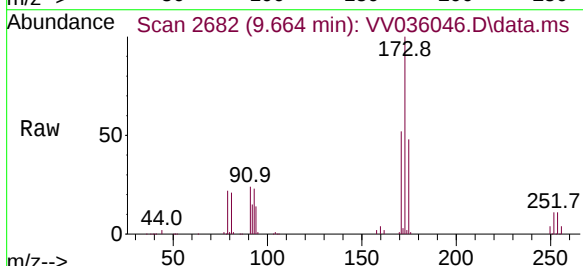
Tgt Ion: 173 Resp: 91647

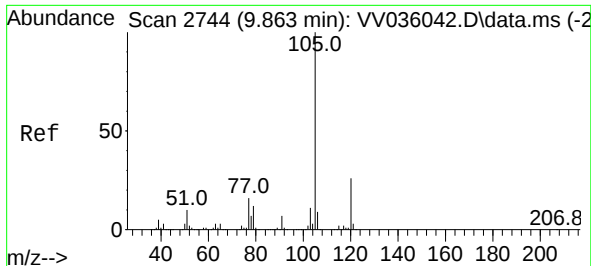
Ion Ratio Lower Upper

173 100

175 47.6 39.0 58.6

254 10.3 8.6 13.0

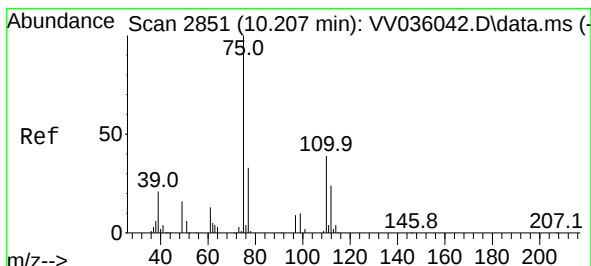
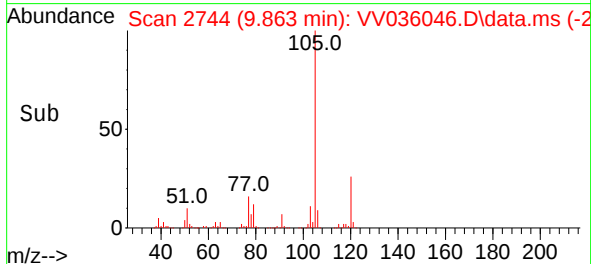
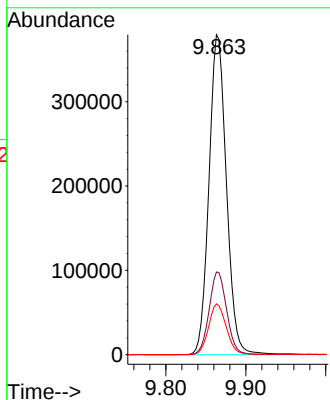
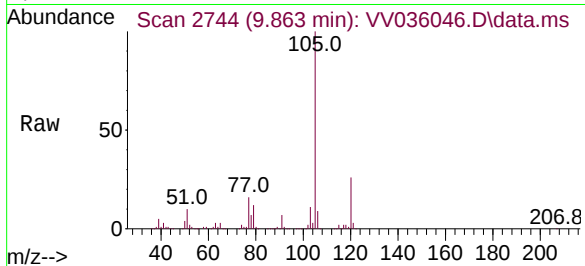




#60
Isopropylbenzene
Concen: 24.438 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

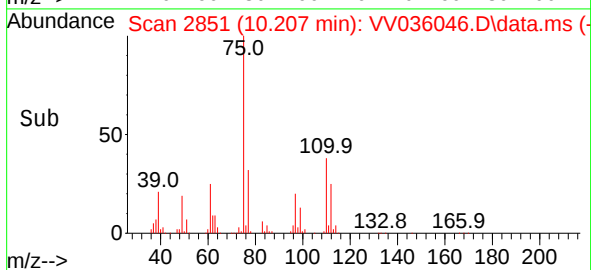
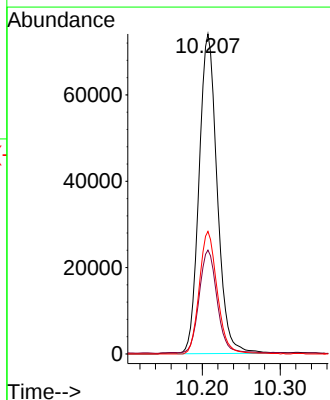
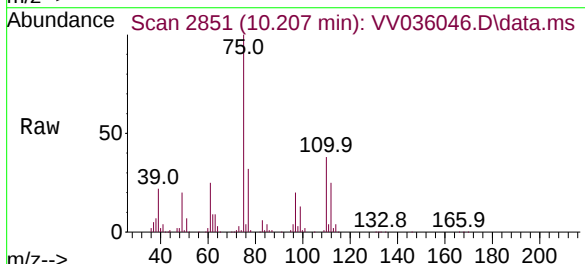
Instrument :
MSVOA_V
ClientSampleId :

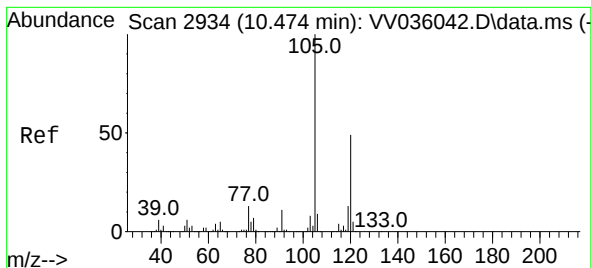
Tgt Ion:105 Resp: 574957
Ion Ratio Lower Upper
105 100
120 25.9 21.0 31.6
77 16.0 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 27.590 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV036046.D
Acq: 12 Jun 2024 19:19

Tgt Ion: 75 Resp: 119662
Ion Ratio Lower Upper
75 100
77 31.8 26.0 39.0
110 37.9 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 22.626 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

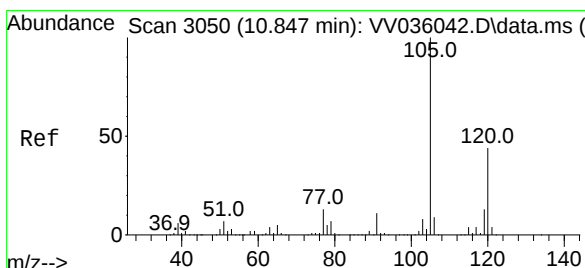
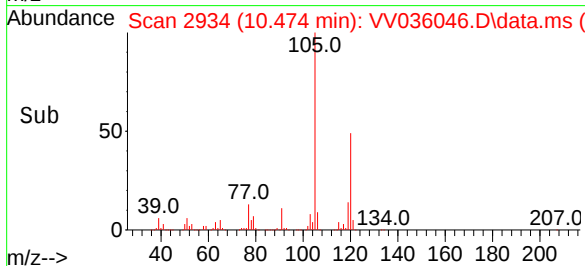
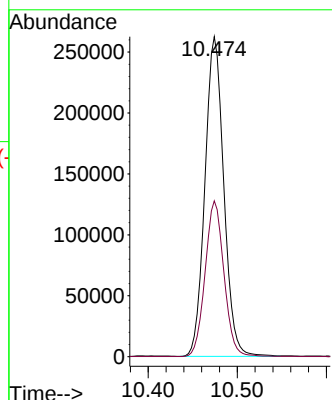
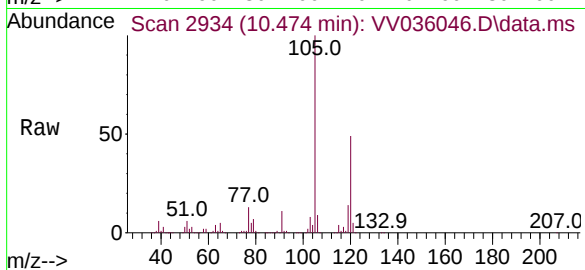
ClientSampleId :

Tgt Ion:105 Resp: 386015

Ion Ratio Lower Upper

105 100

120 48.5 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 23.131 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV036046.D

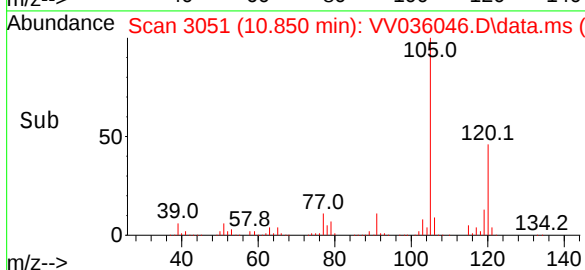
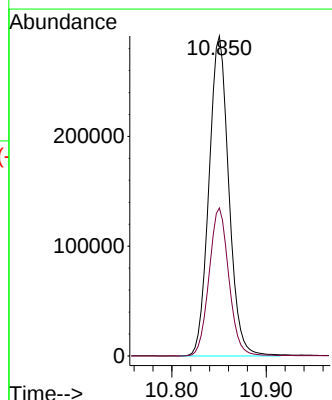
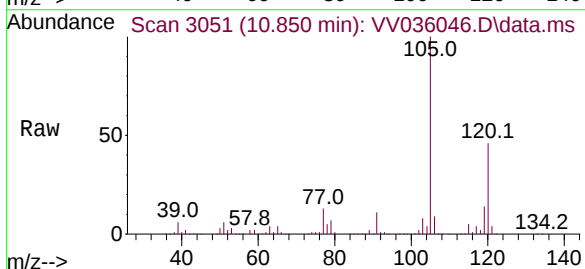
Acq: 12 Jun 2024 19:19

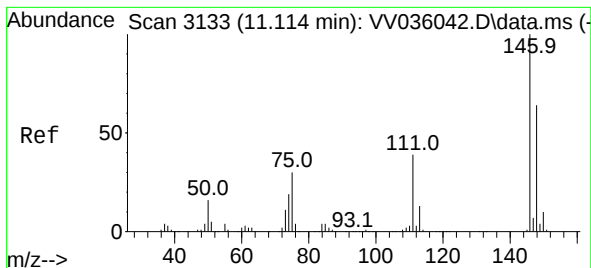
Tgt Ion:105 Resp: 425186

Ion Ratio Lower Upper

105 100

120 46.2 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 23.390 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

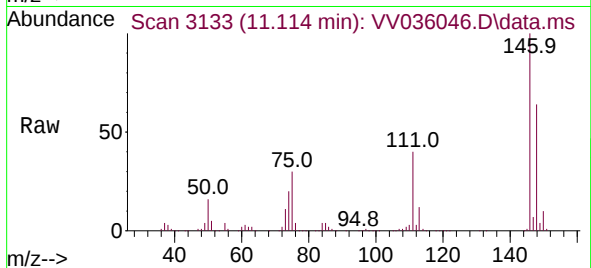
Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

ClientSampleId :



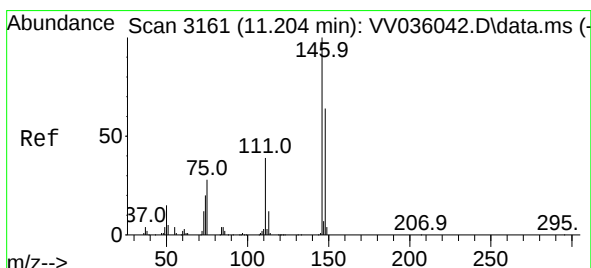
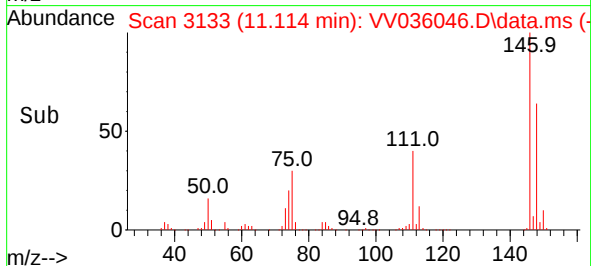
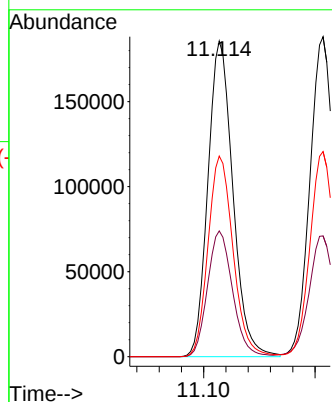
Tgt Ion:146 Resp: 288998

Ion Ratio Lower Upper

146 100

111 39.8 28.1 52.1

148 63.5 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 23.328 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

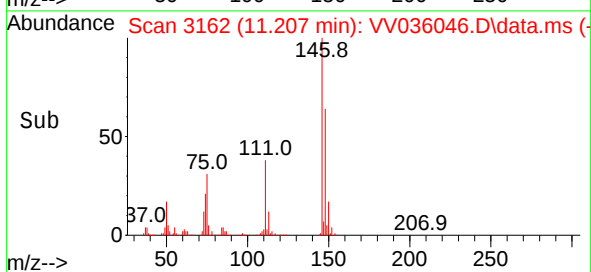
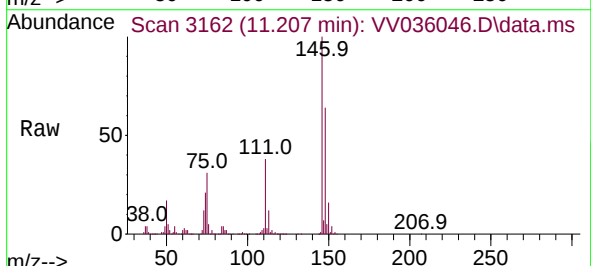
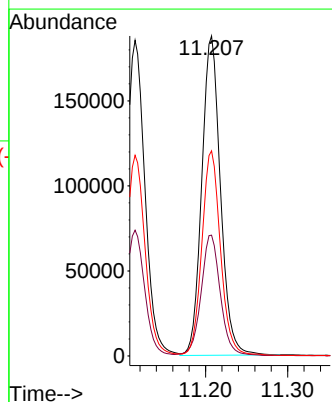
Tgt Ion:146 Resp: 297498

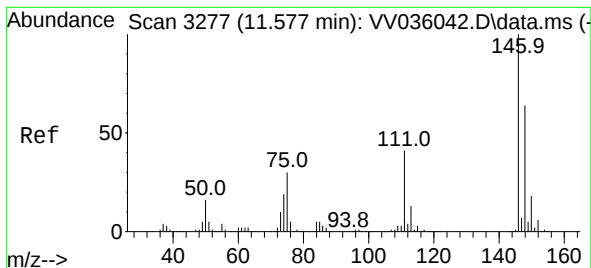
Ion Ratio Lower Upper

146 100

111 37.8 26.9 50.1

148 64.1 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 23.550 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

ClientSampleId :

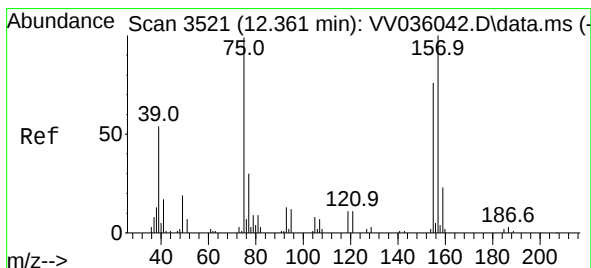
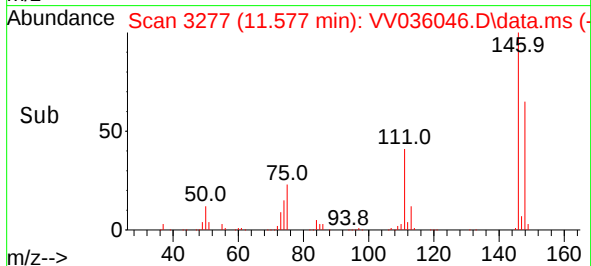
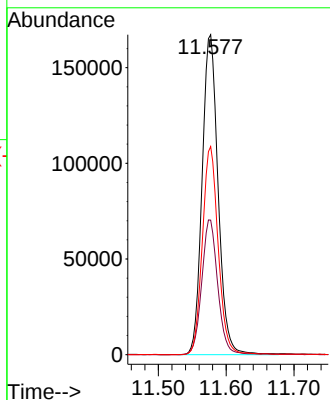
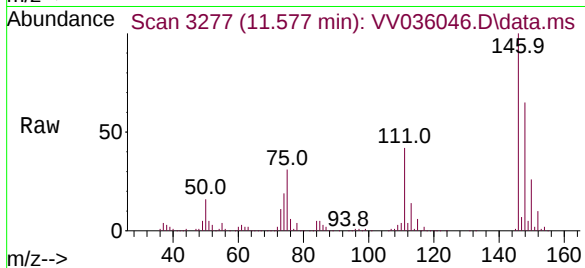
Tgt Ion:146 Resp: 273811

Ion Ratio Lower Upper

146 100

111 42.0 33.5 50.3

148 65.1 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 27.432 ug/L

RT: 12.362 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

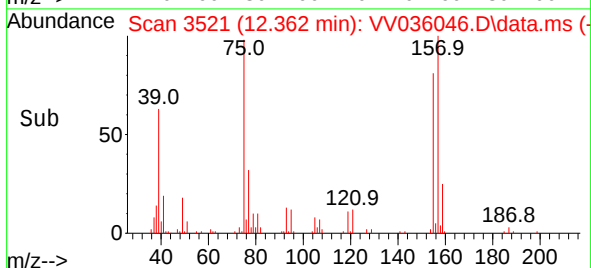
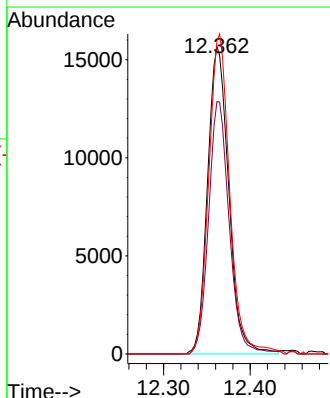
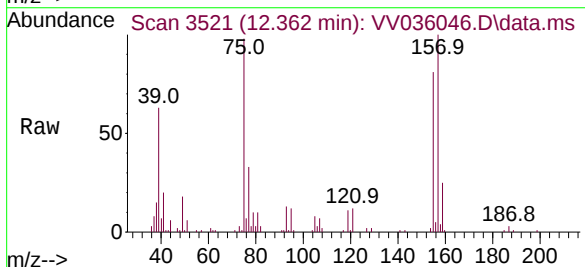
Tgt Ion: 75 Resp: 26605

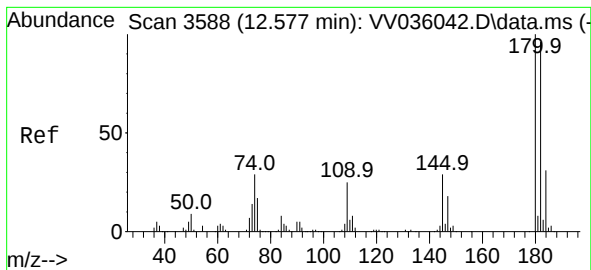
Ion Ratio Lower Upper

75 100

155 82.1 63.3 94.9

157 102.0 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 20.591 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

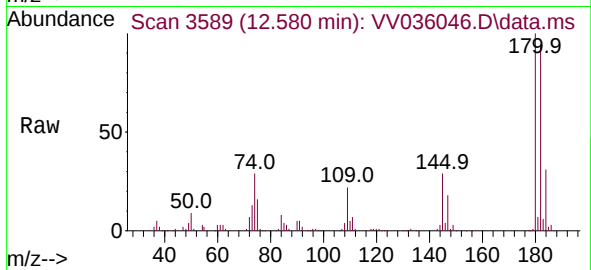
Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 190307

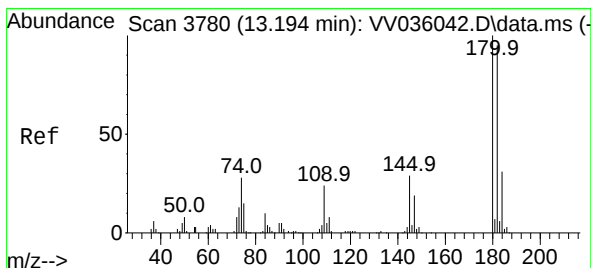
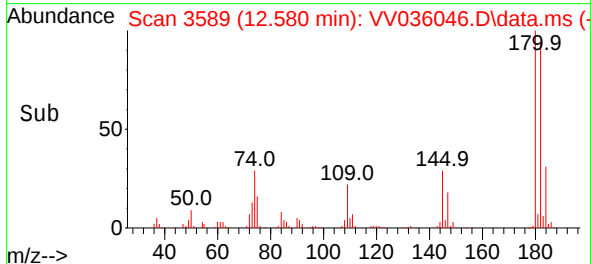
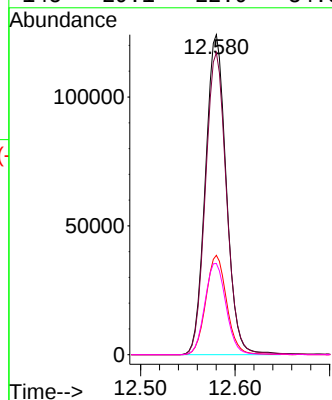
Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.4

184 31.0 24.2 36.2

145 29.1 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 20.378 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

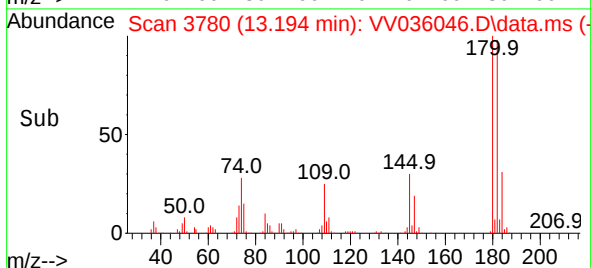
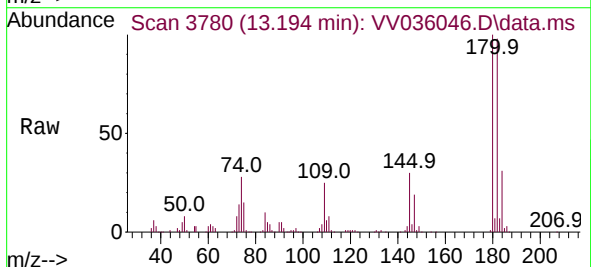
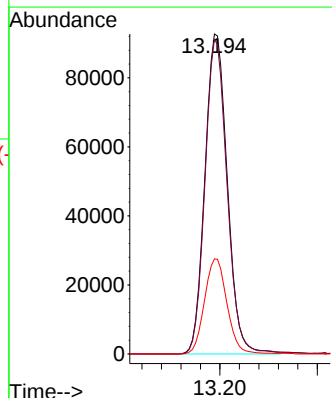
Tgt Ion:180 Resp: 148295

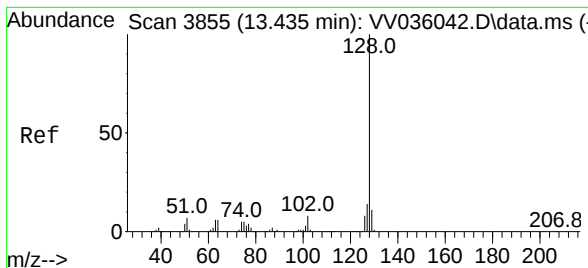
Ion Ratio Lower Upper

180 100

182 96.0 76.1 114.1

145 29.7 23.5 35.3





#71

Naphthalene

Concen: 21.904 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Instrument :

MSVOA_V

ClientSampleId :

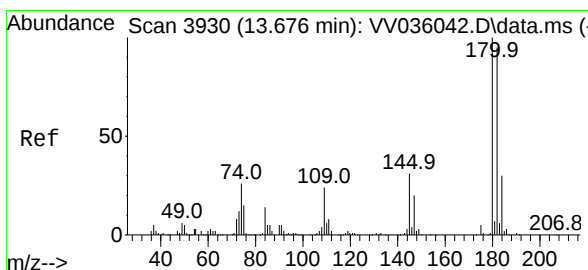
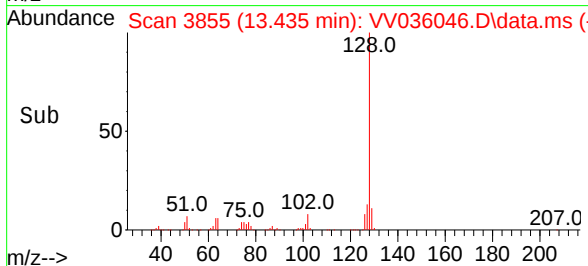
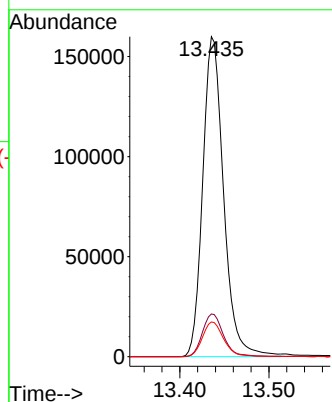
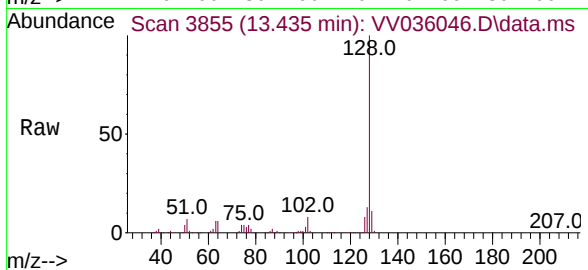
Tgt Ion:128 Resp: 260125

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 11.1 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 22.185 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036046.D

Acq: 12 Jun 2024 19:19

Tgt Ion:180 Resp: 147322

Ion Ratio Lower Upper

180 100

182 96.6 75.1 112.7

145 32.2 25.2 37.8

