

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
 Data File : VV036491.D
 Acq On : 11 Jul 2024 11:13
 Operator : SY/MD
 Sample : VSTD025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 12 01:10:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 01:09:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	319871	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	333076	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	194167	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	107834	23.530	ug/L	0.00
7) Chloroethane-d5	1.526	69	94935	23.694	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.050	65	54033	22.961	ug/L	0.00
21) 2-Butanone-d5	3.854	46	14205	18.114	ug/L	0.00
24) Chloroform-d	4.243	84	215089	23.101	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	109269	23.662	ug/L	0.00
32) Benzene-d6	4.953	84	393447	23.678	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.985	67	113664	20.615	ug/L	0.00
41) Toluene-d8	7.239	98	381694	24.895	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	49535	24.058	ug/L	0.00
47) 2-Hexanone-d5	8.030	63	25243	44.833	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	91810	22.013	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.557	152	145738	22.117	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	100932	21.772	ug/L	100
3) Chloromethane	1.211	50	77373	20.798	ug/L	100
5) Vinyl chloride	1.275	62	99939	21.832	ug/L	100
6) Bromomethane	1.481	94	79317	21.474	ug/L	100
8) Chloroethane	1.542	64	70298	22.197	ug/L	100
9) Trichlorofluoromethane	1.706	101	184185	22.669	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	126713	23.129	ug/L	100
12) 1,1-Dichloroethene	2.059	96	105475	22.321	ug/L	100
13) Acetone	2.172	43	40810	30.969	ug/L	95
14) Carbon disulfide	2.230	76	208890	19.689	ug/L	100
15) Methyl Acetate	2.391	43	33745	23.004	ug/L	100
16) Methylene chloride	2.439	84	147355	22.399	ug/L	100
17) trans-1,2-Dichloroethene	2.686	96	97315	22.662	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	233393	24.255	ug/L	100
19) 1,1-Dichloroethane	3.104	63	183787	23.645	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	104228	22.968	ug/L	100
22) 2-Butanone	3.931	43	39412	45.816	ug/L	95
23) Bromochloromethane	4.143	128	60279	23.779	ug/L	100
25) Chloroform	4.272	83	220961	23.941	ug/L	100
27) 1,2-Dichloroethane	5.037	62	130932	25.255	ug/L	100
29) Cyclohexane	4.574	56	97511	23.013	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	182841	23.614	ug/L	100
31) Carbon tetrachloride	4.728	117	160069	23.310	ug/L	100
33) Benzene	5.005	78	403417	24.475	ug/L	100
34) Trichloroethene	5.828	95	125567	23.940	ug/L	100
35) Methylcyclohexane	6.046	83	138673	23.166	ug/L	100
37) 1,2-Dichloropropane	6.088	63	103035	24.769	ug/L	100
38) Bromodichloromethane	6.429	83	159343	24.175	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	156866	24.454	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	97116	54.047	ug/L	100
42) Toluene	7.310	91	454035	25.996	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	144690	25.298	ug/L	100

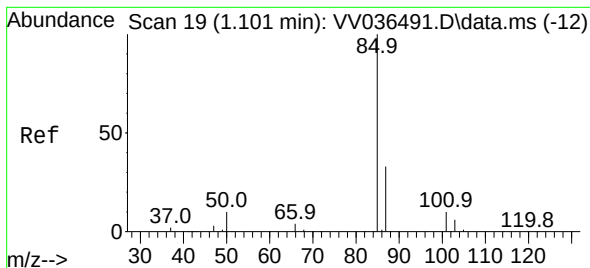
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 01:09:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	101356	24.726	ug/L	100
46) Tetrachloroethene	7.902	164	99320	23.419	ug/L	100
48) 2-Hexanone	8.082	43	65444	46.454	ug/L	100
49) Dibromochloromethane	8.172	129	120875	24.386	ug/L	100
50) 1,2-Dibromoethane	8.281	107	94970	24.687	ug/L	100
51) Chlorobenzene	8.812	112	315526	24.122	ug/L	100
52) Ethylbenzene	8.943	91	472049	25.196	ug/L	100
53) m,p-Xylene	9.069	106	190890	26.464	ug/L	100
54) o-Xylene	9.477	106	176560	25.709	ug/L	100
55) Styrene	9.493	104	342109	28.034	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	88918	23.755	ug/L	100
59) Bromoform	9.664	173	81211	23.599	ug/L	100
60) Isopropylbenzene	9.863	105	485846	25.047	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	81481	23.586	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	346921	24.974	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	389717	25.783	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	278264	24.266	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	291740	23.693	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	269132	24.423	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	17824	23.847	ug/L	100
69) 1,3,5-Trichlorobenzene	12.580	180	210072	23.659	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	170797	24.186	ug/L	100
71) Naphthalene	13.435	128	248528	23.433	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	170716	25.552	ug/L	100

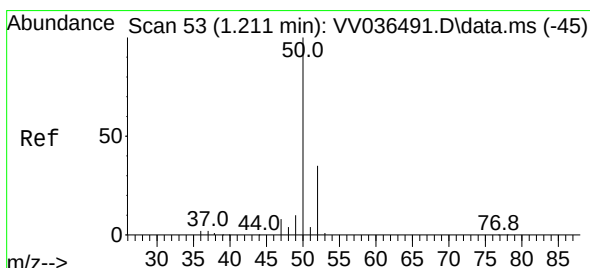
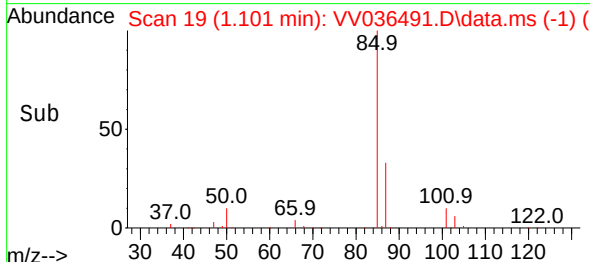
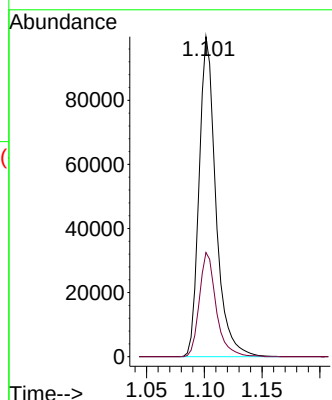
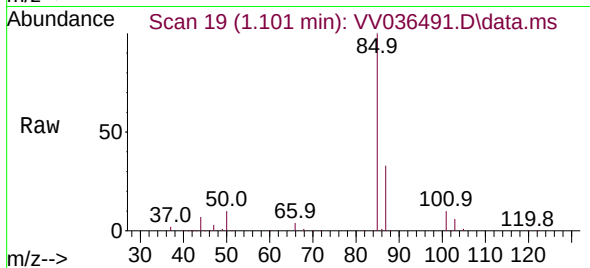
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 21.772 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. 0.000 min
 Lab File: VV036491.D
 Acq: 11 Jul 2024 11:13

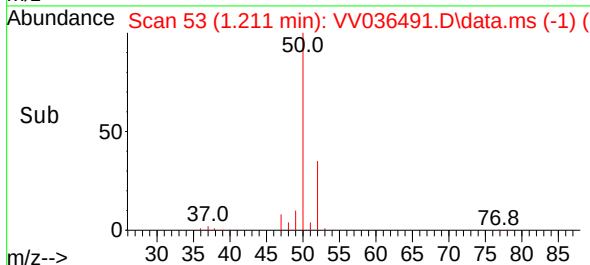
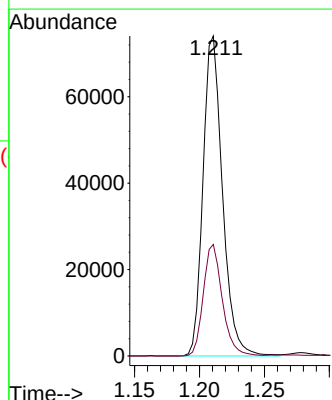
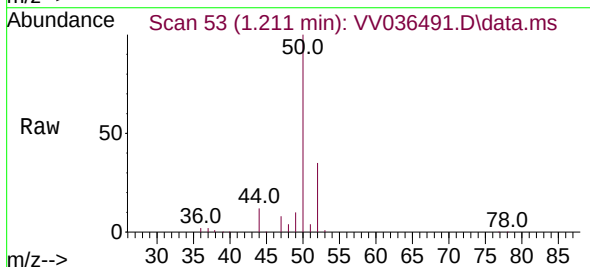
Instrument :
 MSVOA_V
 ClientSampleId :

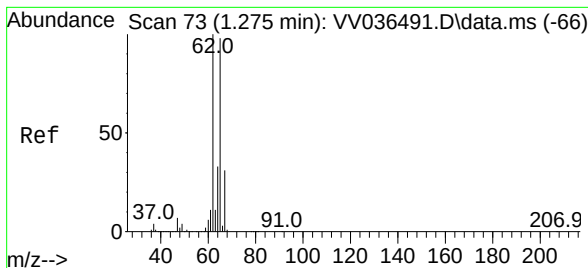
Tgt Ion: 85 Resp: 100932
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.2 39.2



#3
 Chloromethane
 Concen: 20.798 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV036491.D
 Acq: 11 Jul 2024 11:13

Tgt Ion: 50 Resp: 77373
 Ion Ratio Lower Upper
 50 100
 52 34.9 24.4 45.4





#5

Vinyl chloride

Concen: 21.832 ug/L

RT: 1.275 min Scan# 73

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

Instrument :

MSVOA_V

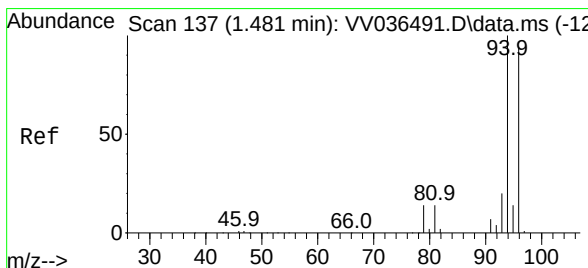
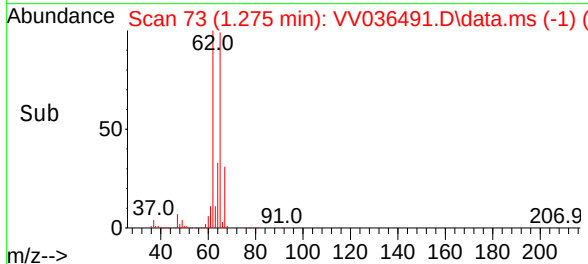
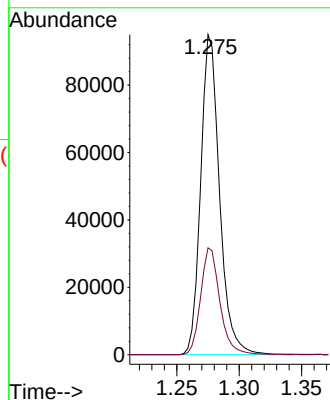
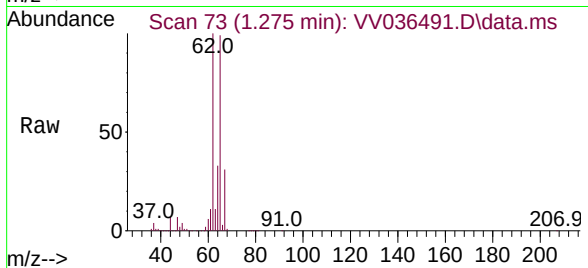
ClientSampleId :

Tgt Ion: 62 Resp: 99939

Ion Ratio Lower Upper

62 100

64 33.4 23.4 43.4



#6

Bromomethane

Concen: 21.474 ug/L

RT: 1.481 min Scan# 137

Delta R.T. 0.000 min

Lab File: VV036491.D

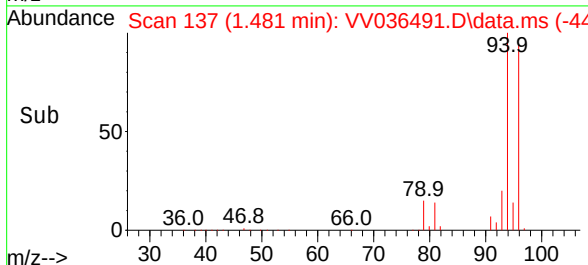
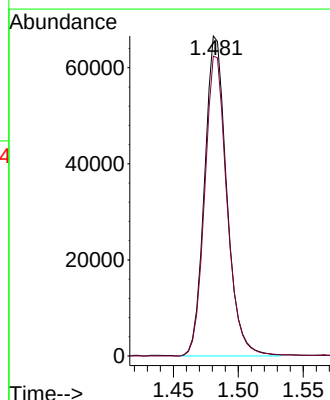
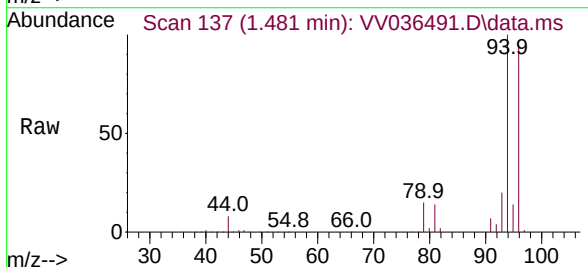
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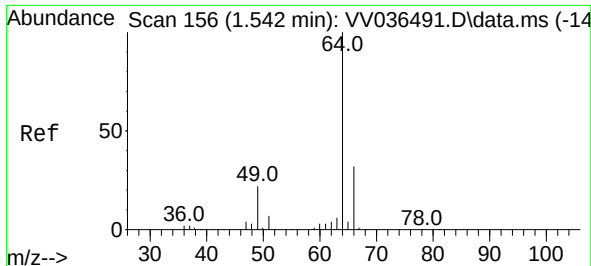
Tgt Ion: 94 Resp: 79317

Ion Ratio Lower Upper

94 100

96 93.7 65.6 121.8

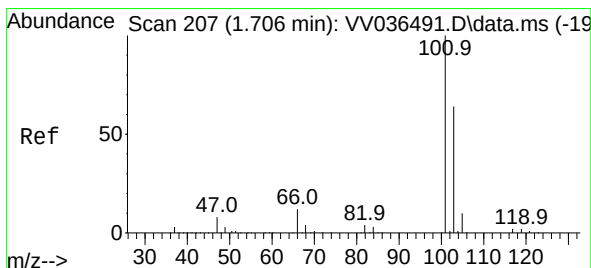
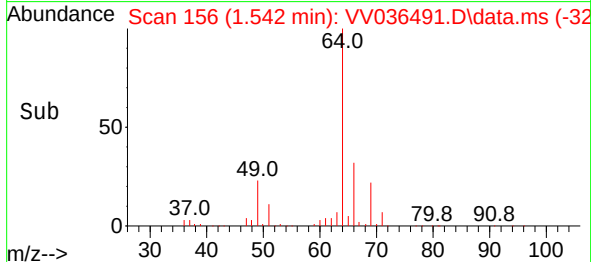
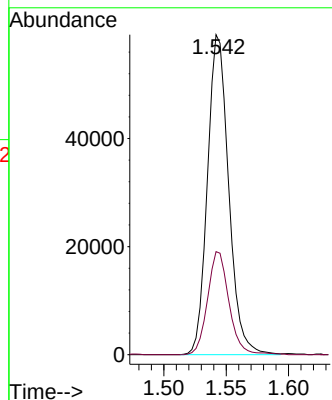
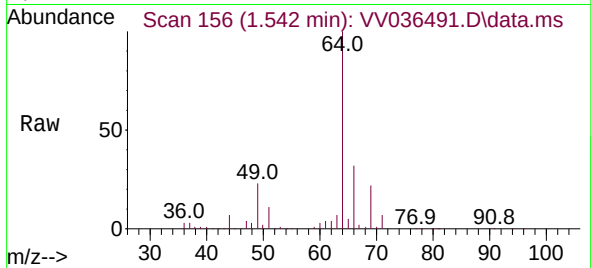




#8
Chloroethane
Concen: 22.197 ug/L
RT: 1.542 min Scan# 156
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

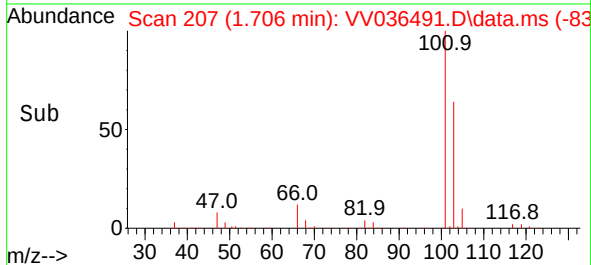
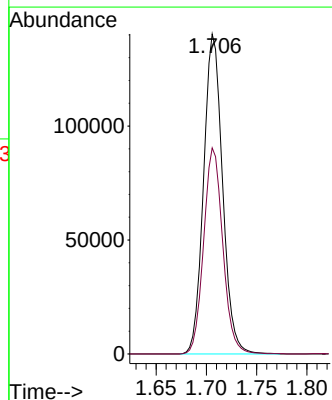
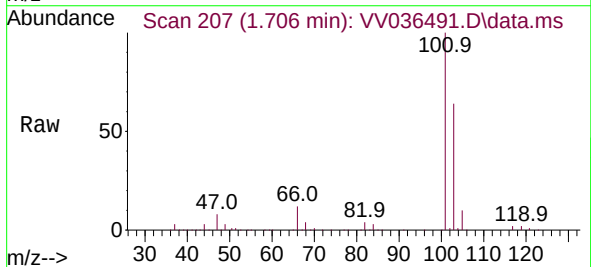
Instrument :
MSVOA_V
ClientSampleId :

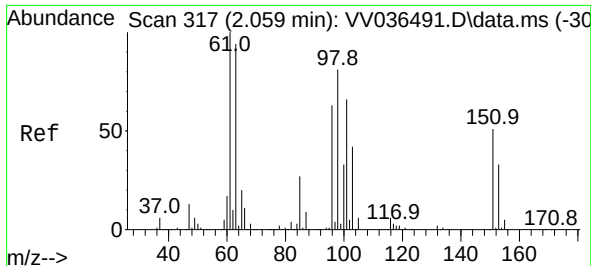
Tgt Ion: 64 Resp: 70298
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 22.669 ug/L
RT: 1.706 min Scan# 207
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

Tgt Ion:101 Resp: 184185
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9





#10

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

Concen: 23.129 ug/L

RT: 2.059 min Scan# 317

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

Instrument :

MSVOA_V

ClientSampleId :

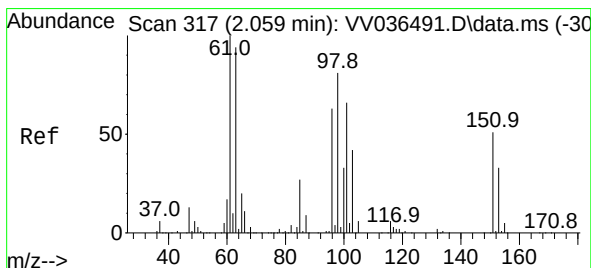
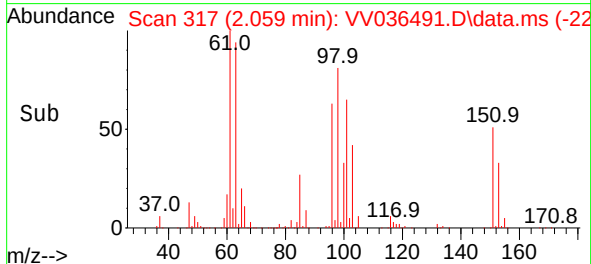
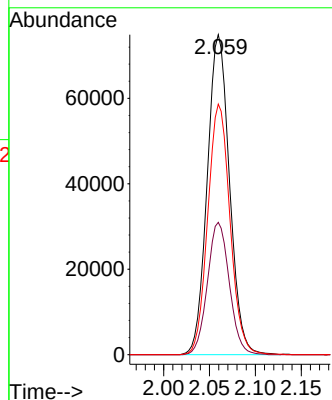
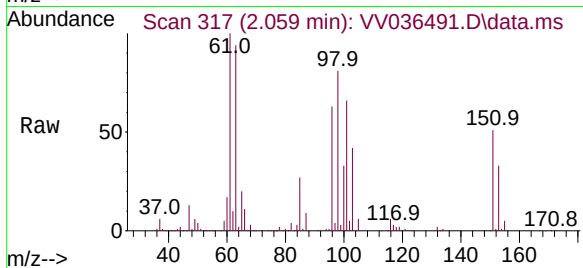
Tgt Ion:101 Resp: 126713

Ion Ratio Lower Upper

101 100

85 40.6 32.5 48.7

151 78.3 62.6 94.0



#12

1,1-Dichloroethene

Concen: 22.321 ug/L

RT: 2.059 min Scan# 317

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

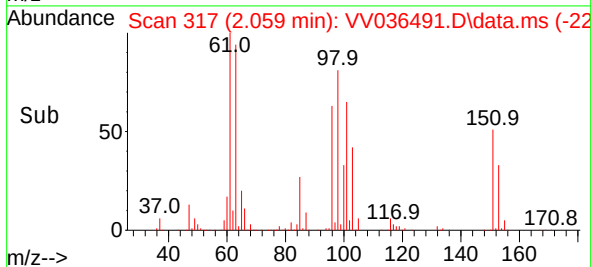
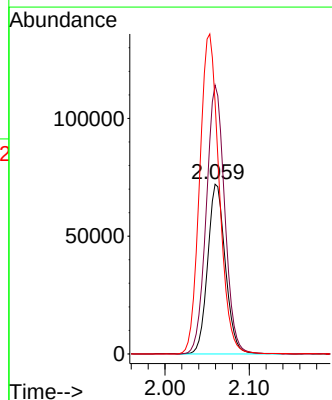
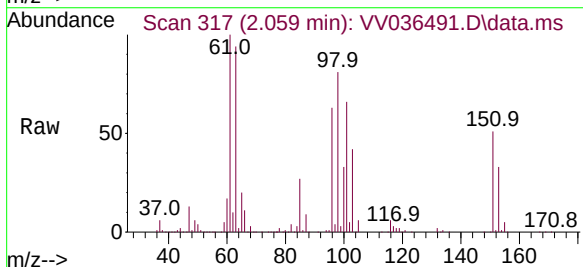
Tgt Ion: 96 Resp: 105475

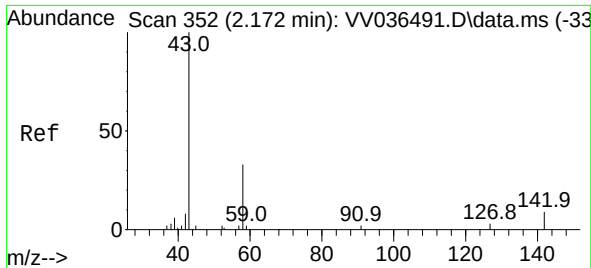
Ion Ratio Lower Upper

96 100

61 158.3 110.8 205.8

63 148.4 103.9 192.9





#13

Acetone

Concen: 30.969 ug/L

RT: 2.172 min Scan# 352

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

Instrument :

MSVOA_V

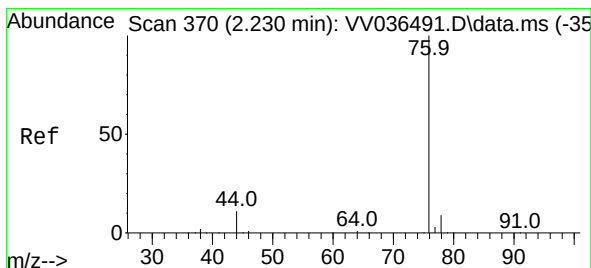
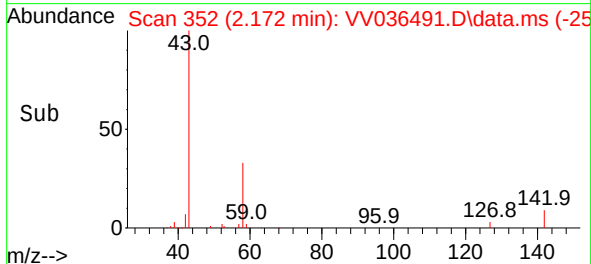
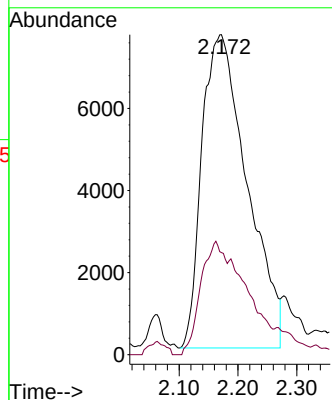
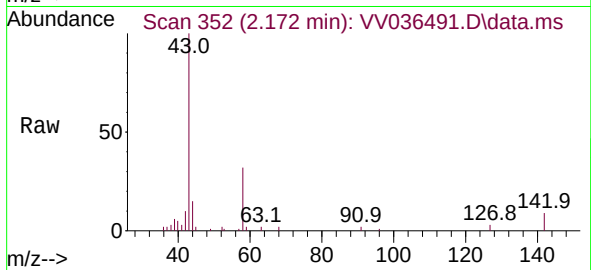
ClientSampleId :

Tgt Ion: 43 Resp: 40810

Ion Ratio Lower Upper

43 100

58 16.2 0.0 28.4



#14

Carbon disulfide

Concen: 19.689 ug/L

RT: 2.230 min Scan# 370

Delta R.T. 0.000 min

Lab File: VV036491.D

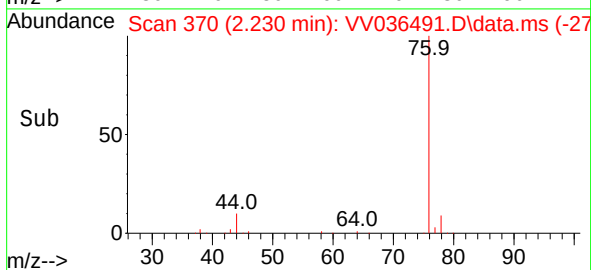
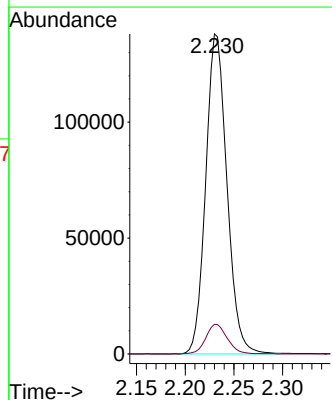
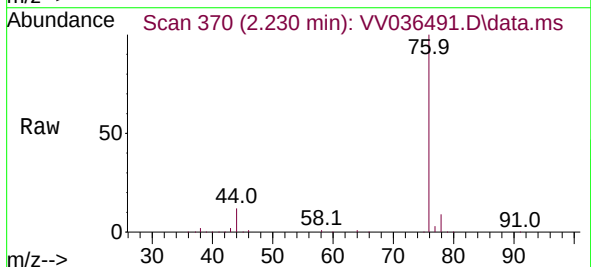
Acq: 11 Jul 2024 11:13

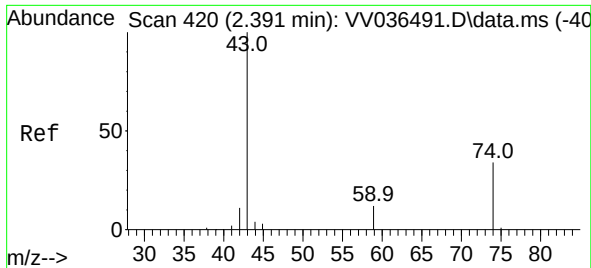
Tgt Ion: 76 Resp: 208890

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

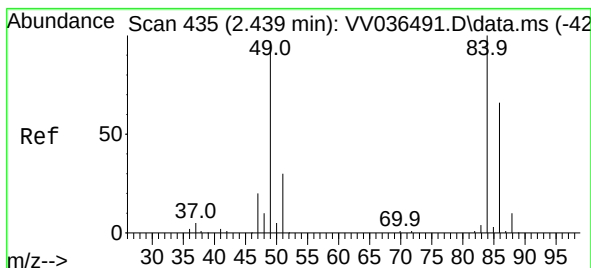
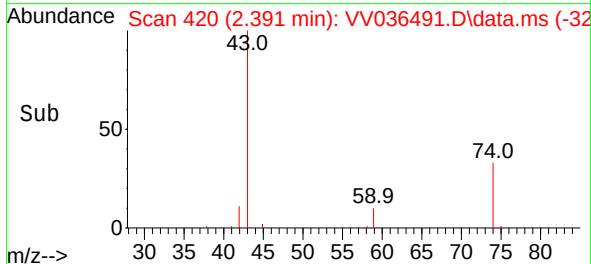
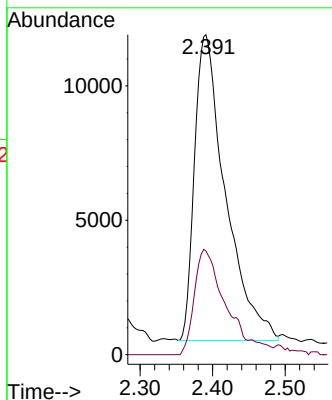
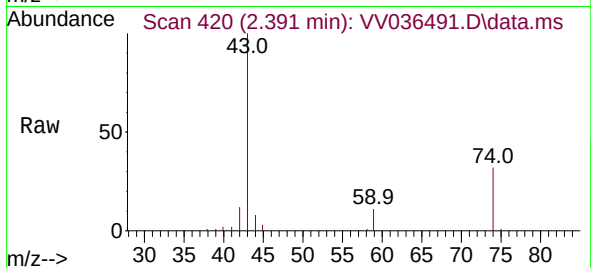




#15
Methyl Acetate
Concen: 23.004 ug/L
RT: 2.391 min Scan# 420
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

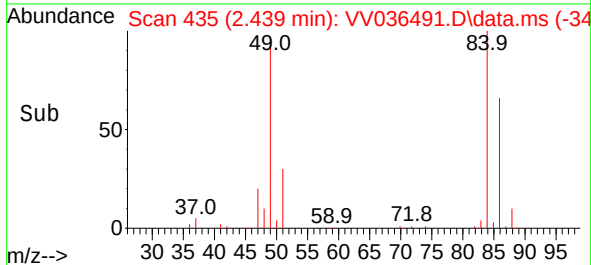
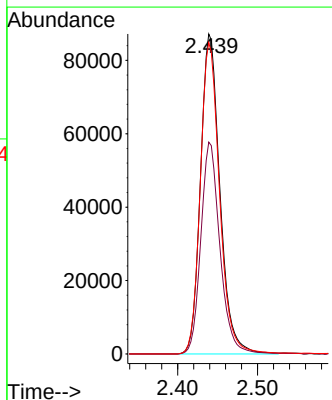
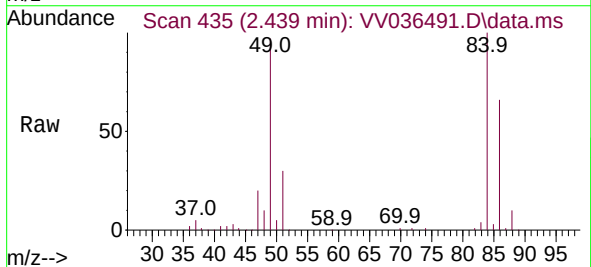
Instrument :
MSVOA_V
ClientSampleId :

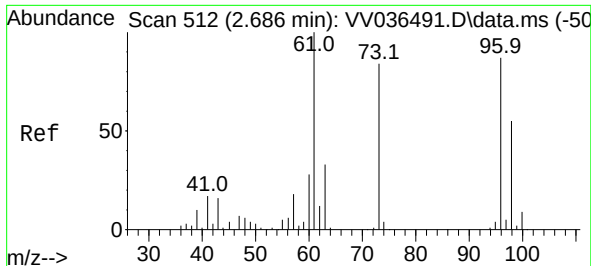
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Ion Ratio Lower Upper
43 100
74 32.9 26.3 39.5



#16
Methylene chloride
Concen: 22.399 ug/L
RT: 2.439 min Scan# 435
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

Tgt Ion: 84 Resp: 147355
Ion Ratio Lower Upper
84 100
86 66.2 46.3 86.1
49 97.3 68.1 126.5





#17

trans-1,2-Dichloroethene

Concen: 22.662 ug/L

RT: 2.686 min Scan# 512

Delta R.T. 0.000 min

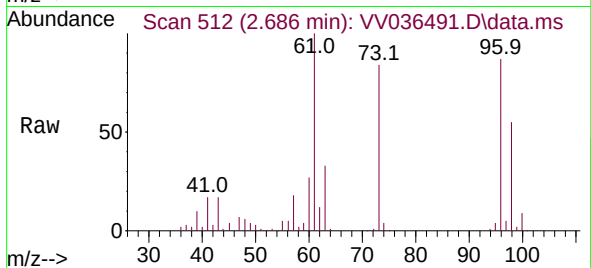
Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

Instrument :

MSVOA_V

ClientSampleId :



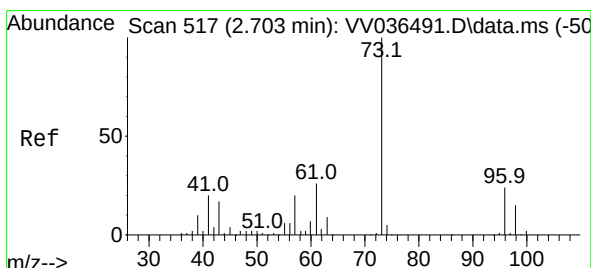
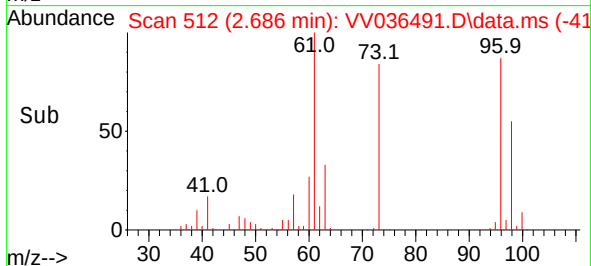
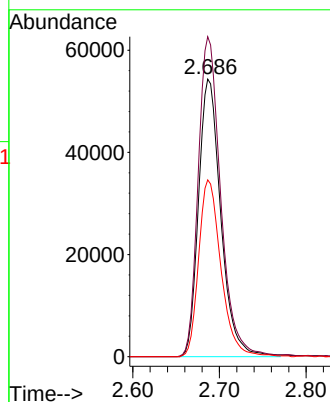
Tgt Ion: 96 Resp: 97315

Ion Ratio Lower Upper

96 100

61 115.3 80.7 149.9

98 63.7 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 24.255 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

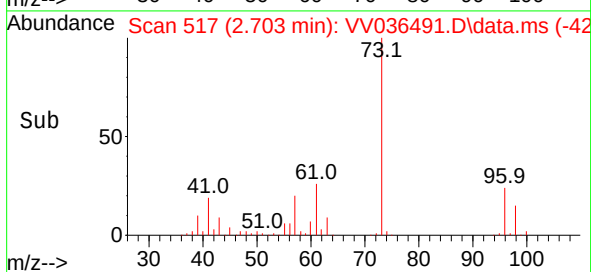
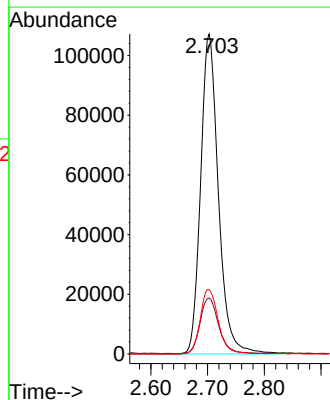
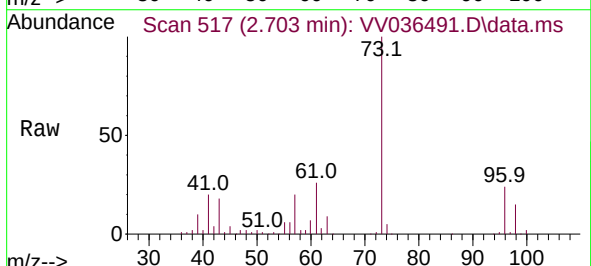
Tgt Ion: 73 Resp: 233393

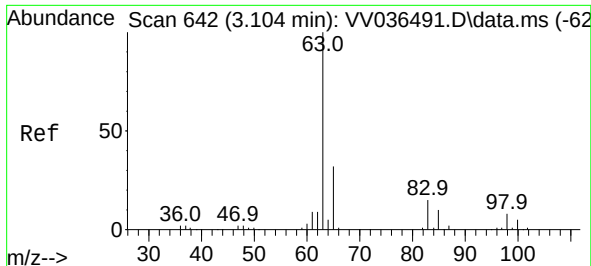
Ion Ratio Lower Upper

73 100

43 17.9 14.3 21.5

57 20.6 16.5 24.7

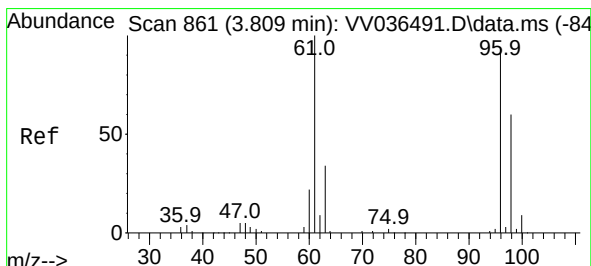
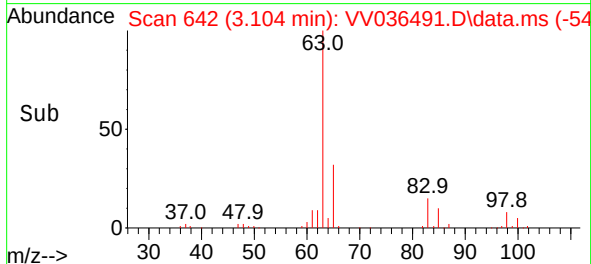
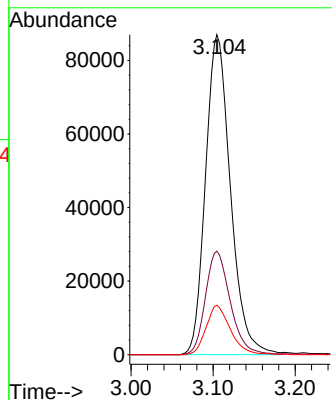
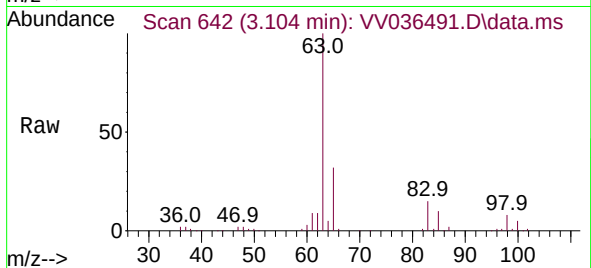




#19
1,1-Dichloroethane
Concen: 23.645 ug/L
RT: 3.104 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

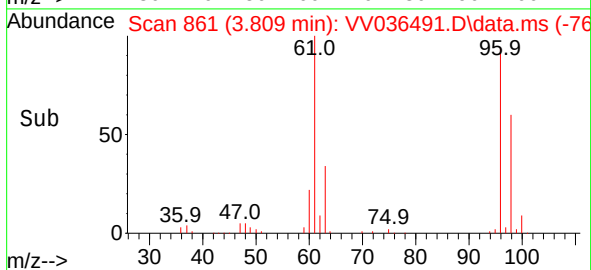
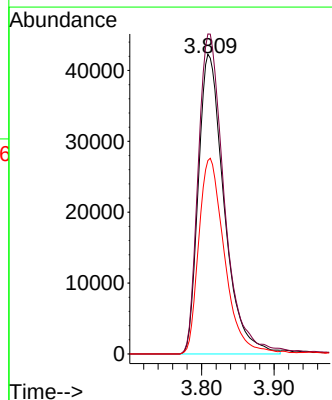
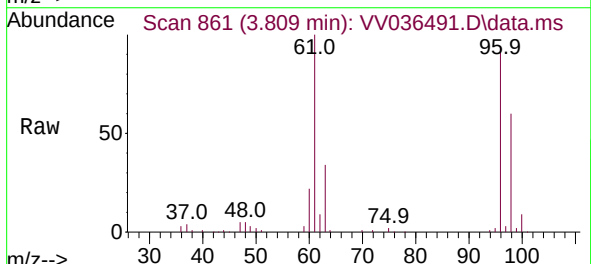
Instrument :
MSVOA_V
ClientSampleId :

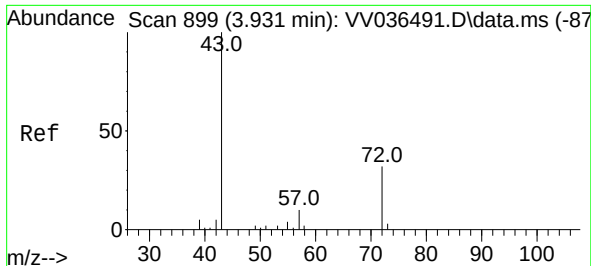
Tgt Ion: 63 Resp: 183787
Ion Ratio Lower Upper
63 100
65 32.4 22.7 42.1
83 15.5 10.9 20.2



#20
cis-1,2-Dichloroethene
Concen: 22.968 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

Tgt Ion: 96 Resp: 104228
Ion Ratio Lower Upper
96 100
61 106.8 74.8 138.8
98 64.6 45.2 84.0





#22

2-Butanone

Concen: 45.816 ug/L

RT: 3.931 min Scan# 899

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

Instrument :

MSVOA_V

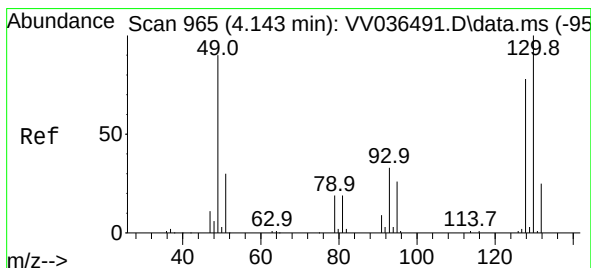
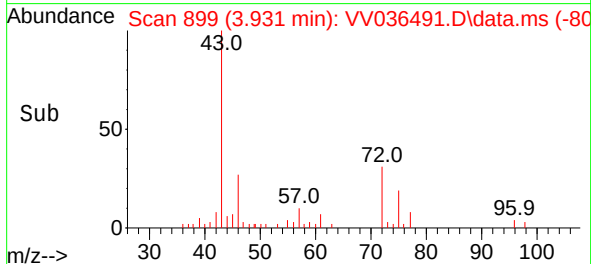
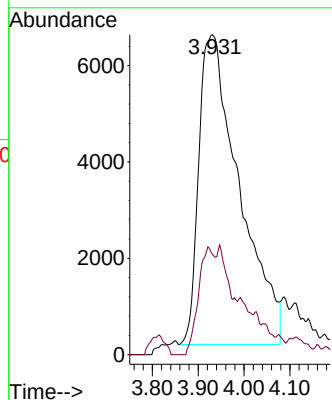
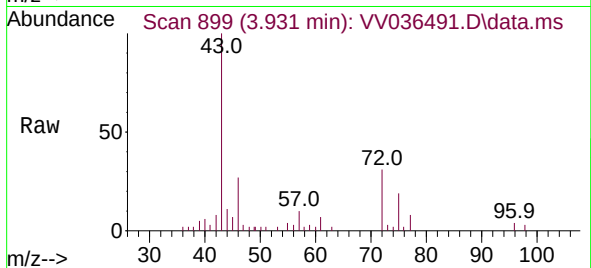
ClientSampleId :

Tgt Ion: 43 Resp: 39412

Ion Ratio Lower Upper

43 100

72 13.8 5.9 17.6



#23

Bromochloromethane

Concen: 23.779 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

Tgt Ion: 128 Resp: 60279

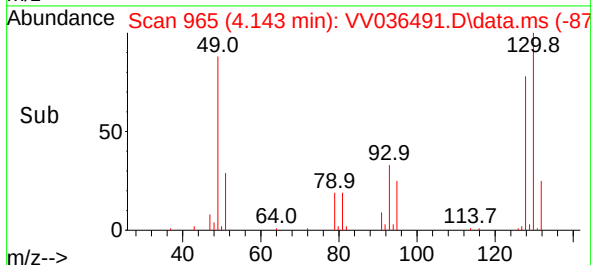
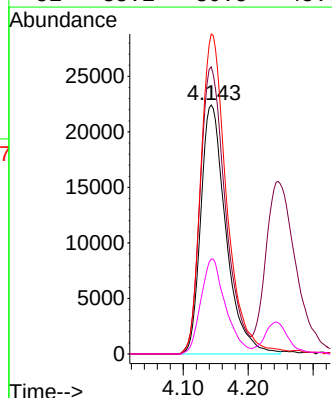
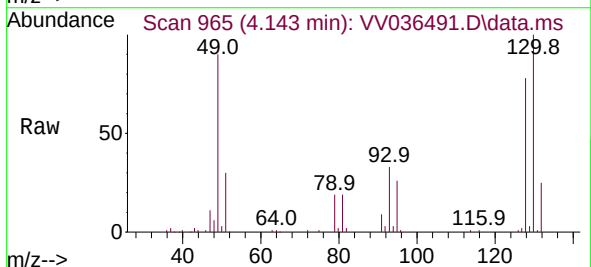
Ion Ratio Lower Upper

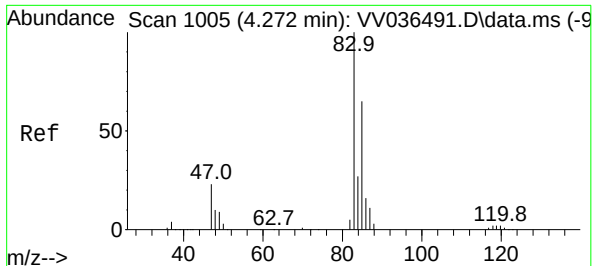
128 100

49 115.3 80.7 149.9

130 128.5 89.9 167.0

51 38.1 30.5 45.7

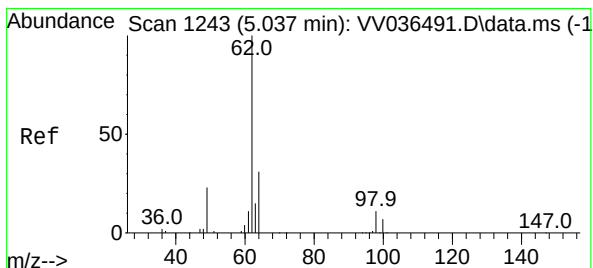
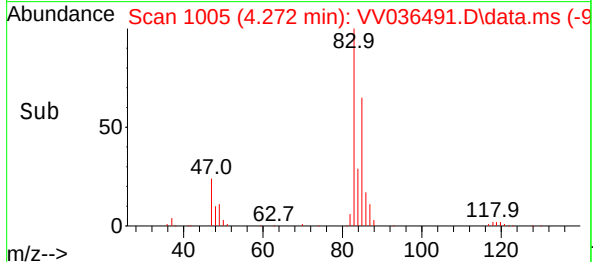
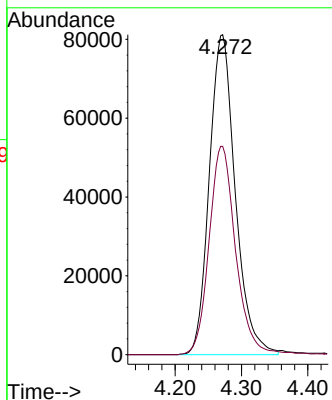
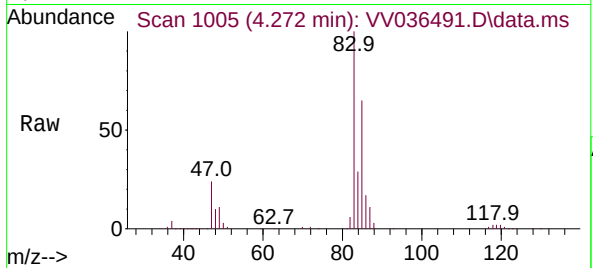




#25
Chloroform
Concen: 23.941 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

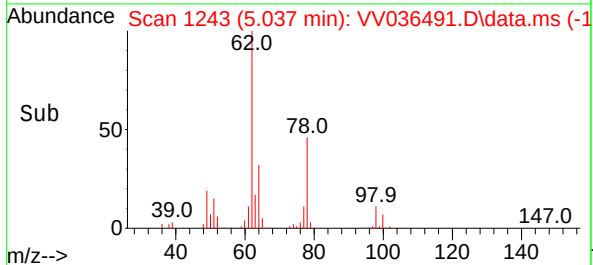
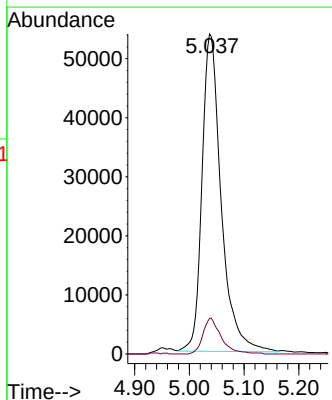
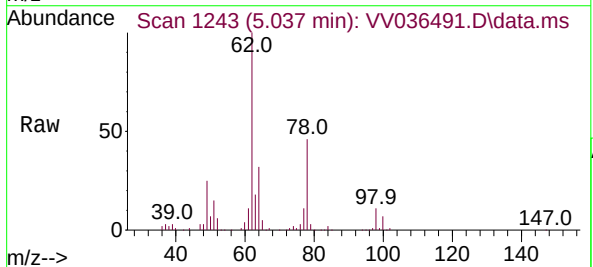
Instrument :
MSVOA_V
ClientSampleId :

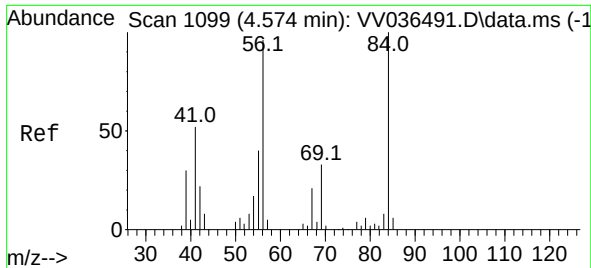
Tgt Ion: 83 Resp: 220961
Ion Ratio Lower Upper
83 100
85 65.1 45.6 84.6



#27
1,2-Dichloroethane
Concen: 25.255 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

Tgt Ion: 62 Resp: 130932
Ion Ratio Lower Upper
62 100
98 11.1 8.9 13.3





#29

Cyclohexane

Concen: 23.013 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

Instrument :

MSVOA_V

ClientSampleId :

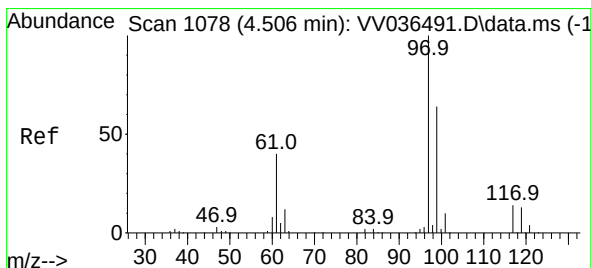
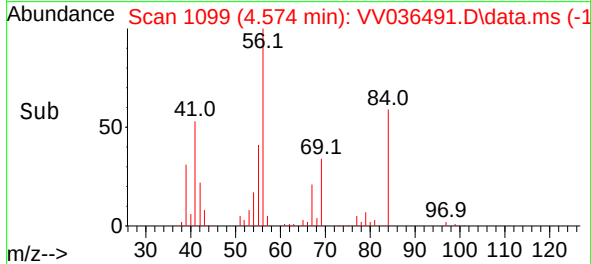
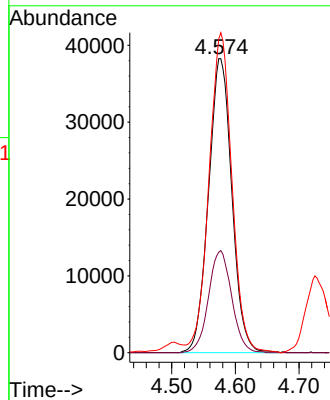
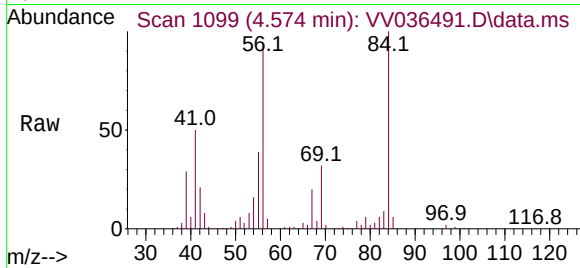
Tgt Ion: 56 Resp: 97511

Ion Ratio Lower Upper

56 100

69 34.5 27.6 41.4

84 106.8 85.4 128.2



#30

1,1,1-Trichloroethane

Concen: 23.614 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

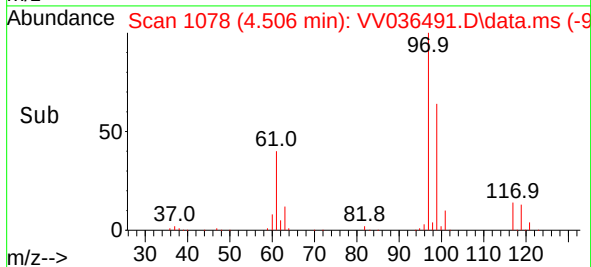
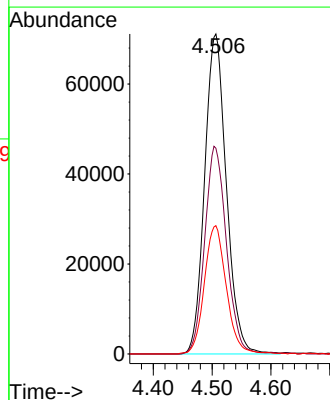
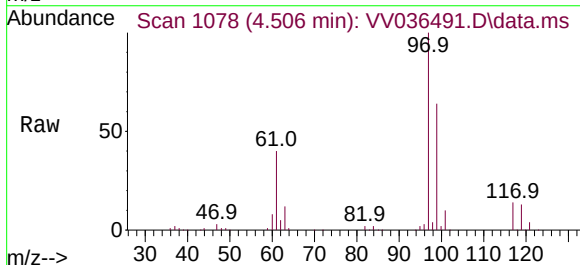
Tgt Ion: 97 Resp: 182841

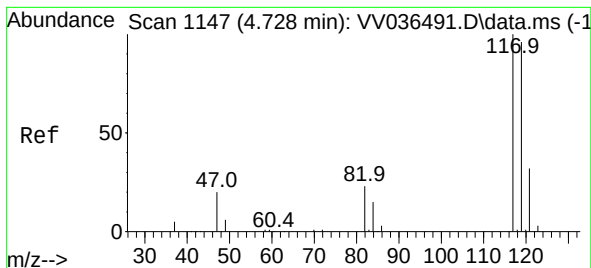
Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

61 40.3 32.2 48.4





#31

Carbon tetrachloride

Concen: 23.310 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

Instrument :

MSVOA_V

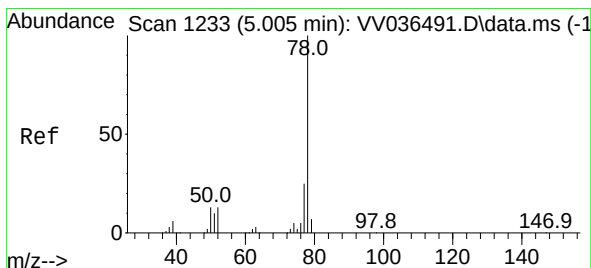
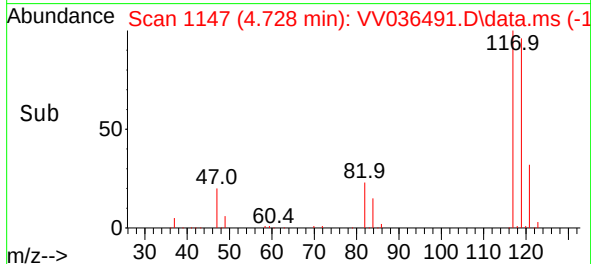
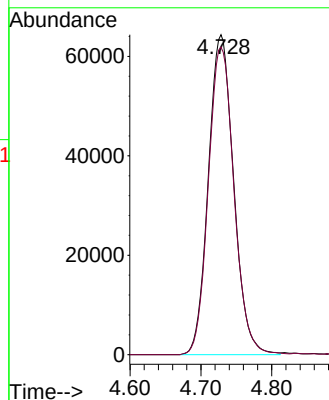
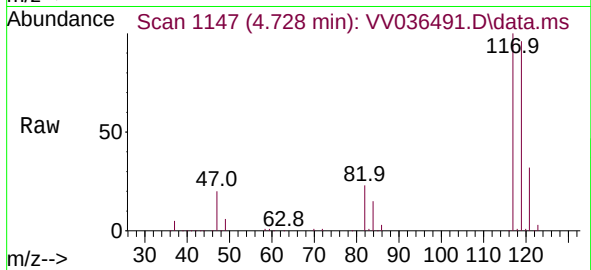
ClientSampleId :

Tgt Ion:117 Resp: 160069

Ion Ratio Lower Upper

117 100

119 97.0 77.6 116.4



#33

Benzene

Concen: 24.475 ug/L

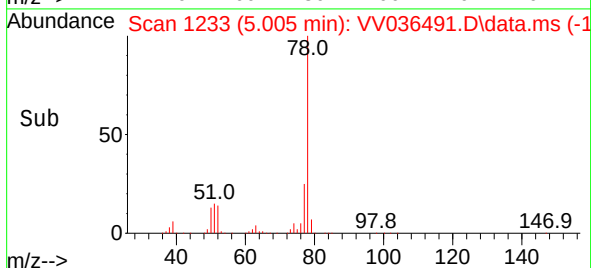
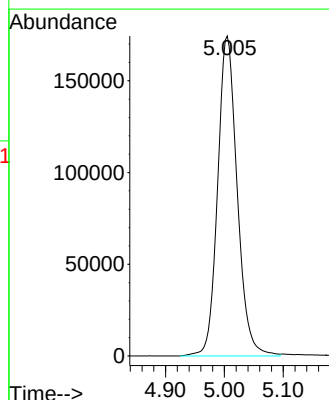
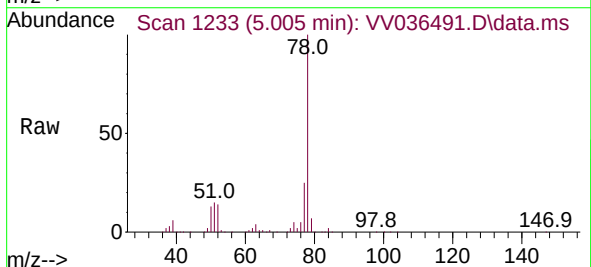
RT: 5.005 min Scan# 1233

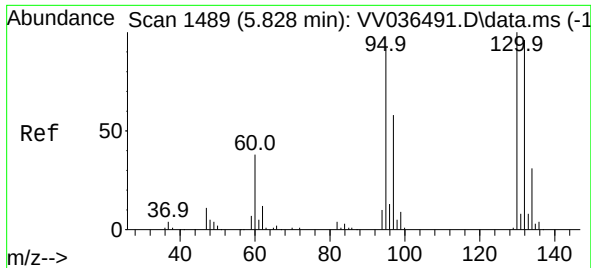
Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

Tgt Ion: 78 Resp: 403417

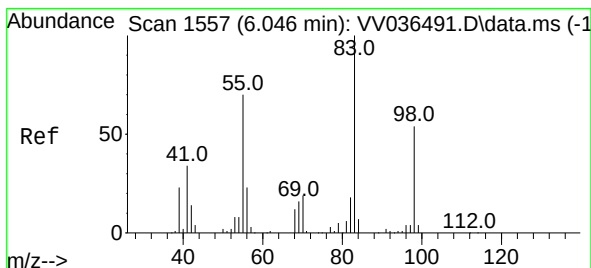
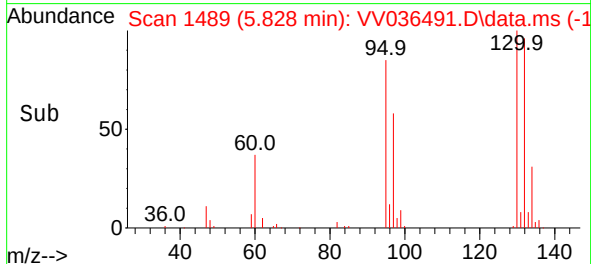
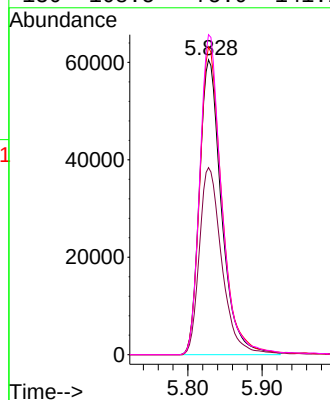
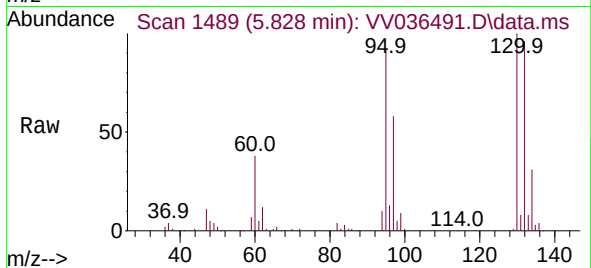




#34
Trichloroethene
Concen: 23.940 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

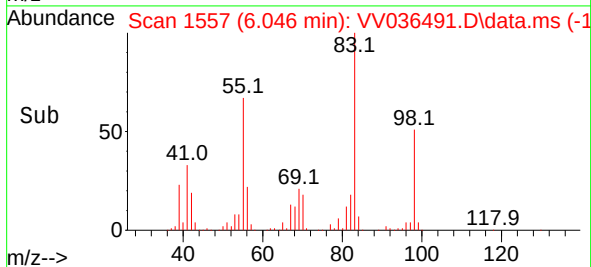
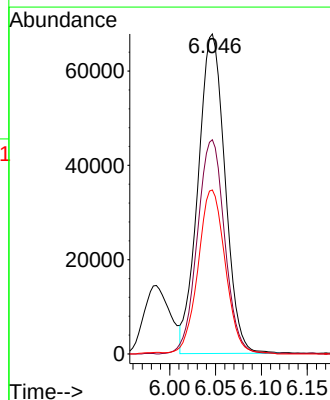
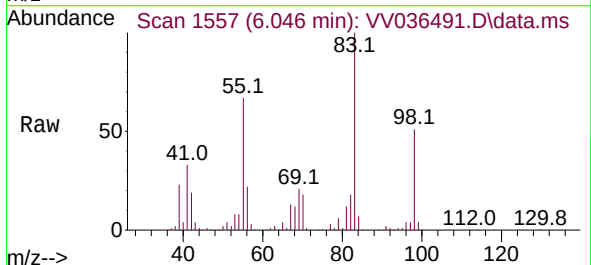
Instrument :
MSVOA_V
ClientSampleId :

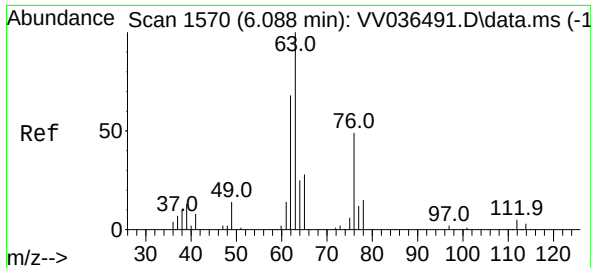
Tgt Ion: 95 Resp: 125567
Ion Ratio Lower Upper
95 100
97 63.4 44.4 82.4
132 104.3 73.0 135.6
130 108.5 75.9 141.1



#35
Methylcyclohexane
Concen: 23.166 ug/L
RT: 6.046 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

Tgt Ion: 83 Resp: 138673
Ion Ratio Lower Upper
83 100
55 67.9 54.3 81.5
98 52.1 41.7 62.5

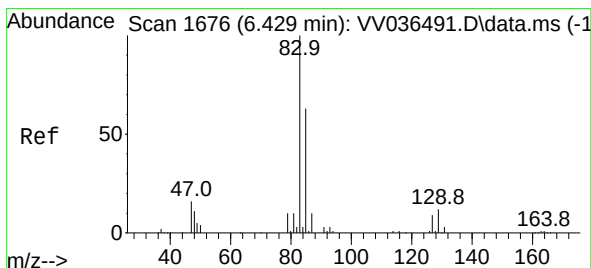
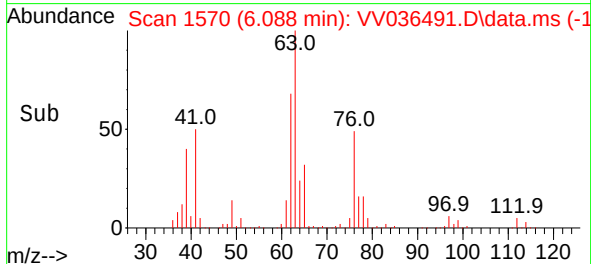
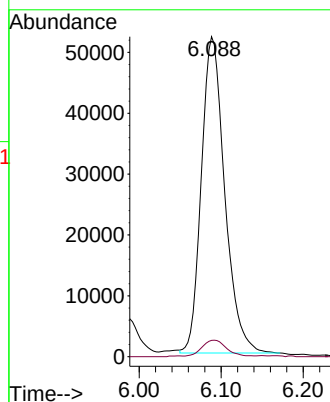
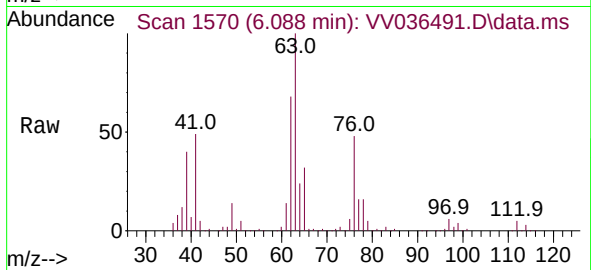




#37
1,2-Dichloropropane
Concen: 24.769 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

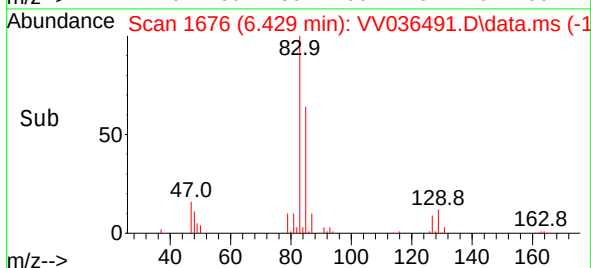
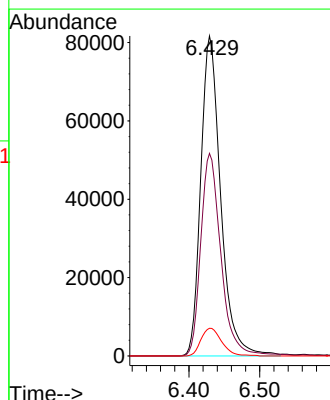
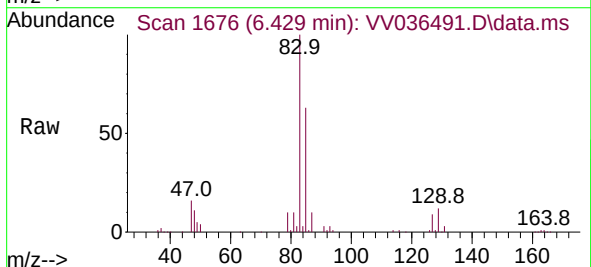
Instrument :
MSVOA_V
ClientSampleId :

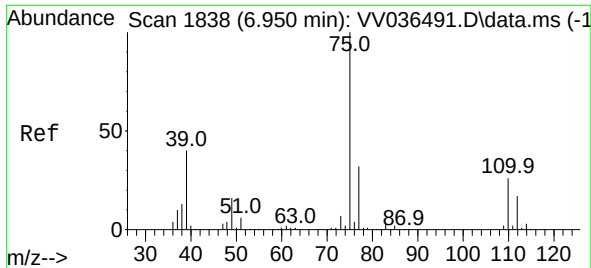
Tgt Ion: 63 Resp: 103035
Ion Ratio Lower Upper
63 100
112 5.6 4.5 6.7



#38
Bromodichloromethane
Concen: 24.175 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

Tgt Ion: 83 Resp: 159343
Ion Ratio Lower Upper
83 100
85 63.3 44.3 82.3
127 8.7 7.0 10.4

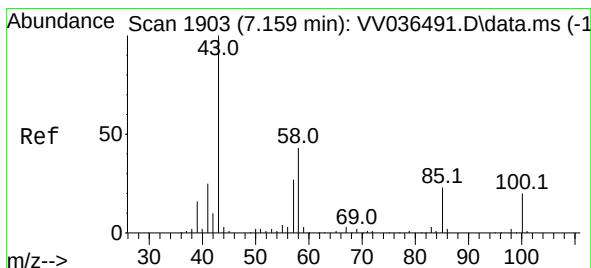
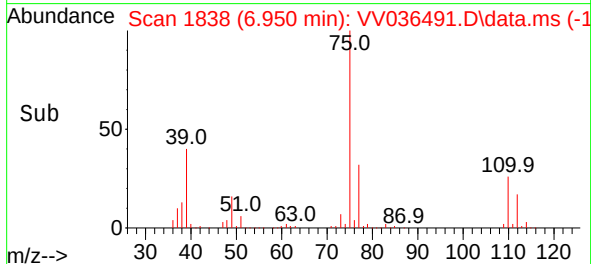
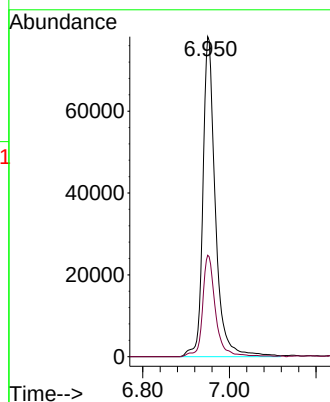
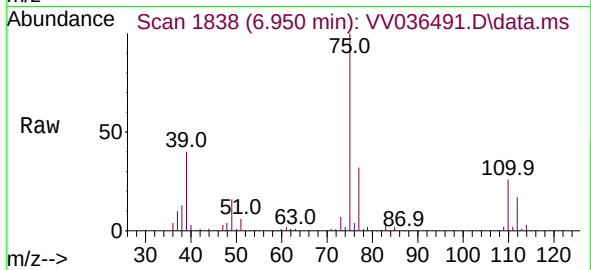




#39
 cis-1,3-Dichloropropene
 Concen: 24.454 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: VV036491.D
 Acq: 11 Jul 2024 11:13

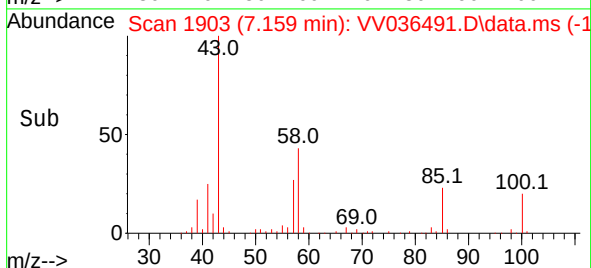
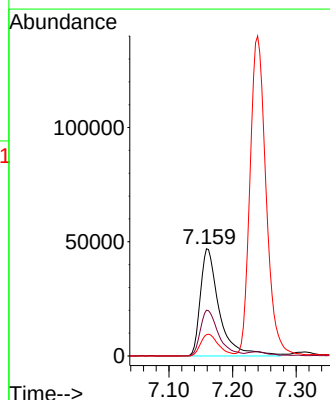
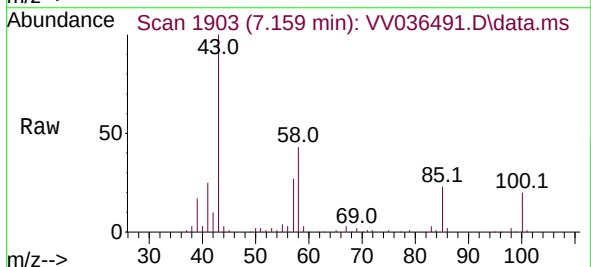
Instrument :
 MSVOA_V
 ClientSampleId :

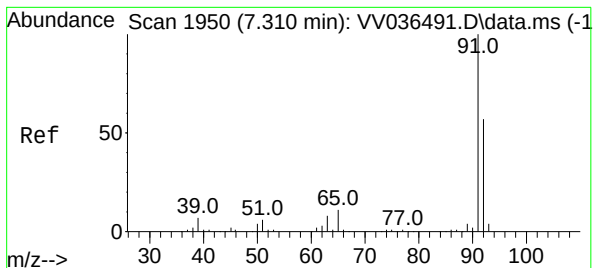
Tgt Ion: 75 Resp: 156866
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 54.047 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VV036491.D
 Acq: 11 Jul 2024 11:13

Tgt Ion: 43 Resp: 97116
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.9 49.3
 100 19.4 15.5 23.3





#42

Toluene

Concen: 25.996 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

Instrument :

MSVOA_V

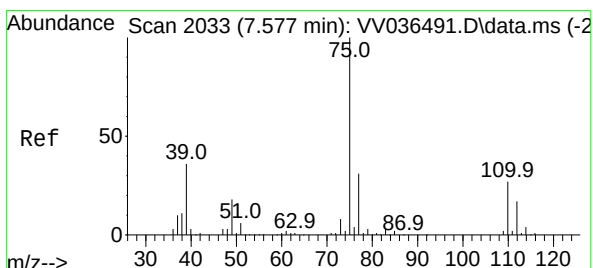
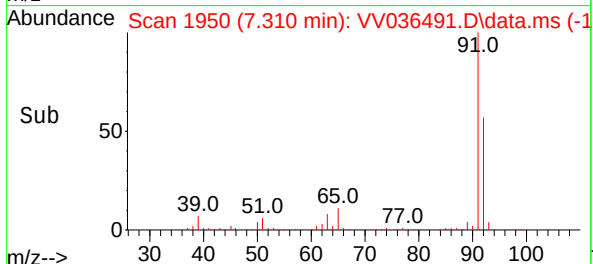
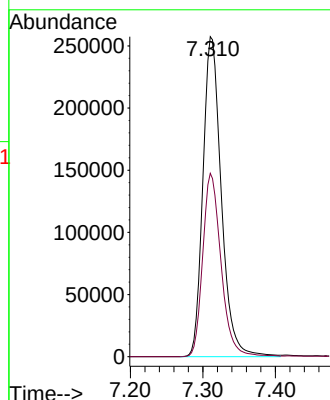
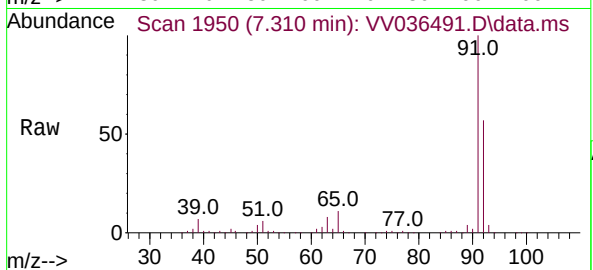
ClientSampleId :

Tgt Ion: 91 Resp: 454035

Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 25.298 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV036491.D

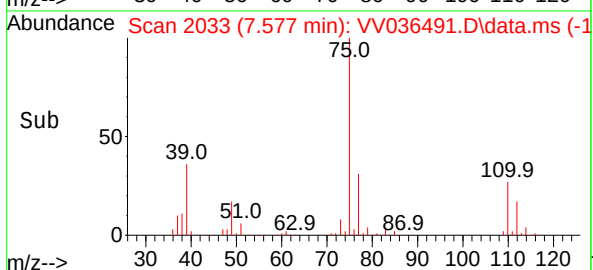
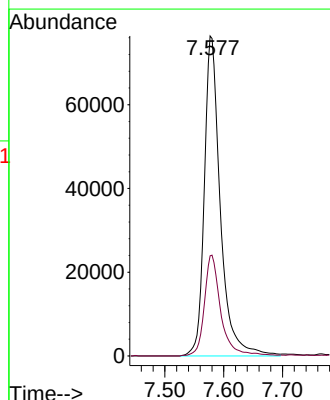
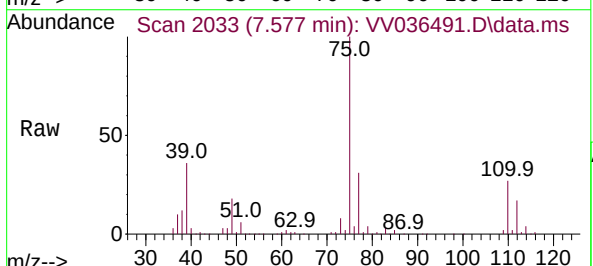
Acq: 11 Jul 2024 11:13

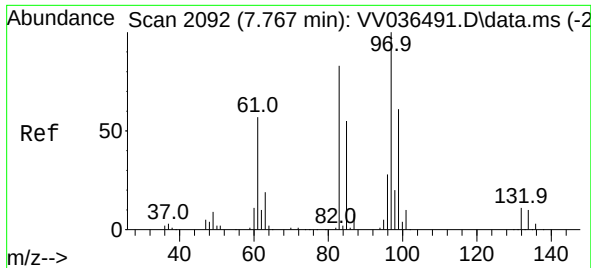
Tgt Ion: 75 Resp: 144690

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7

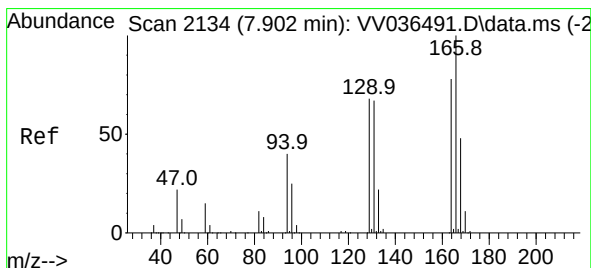
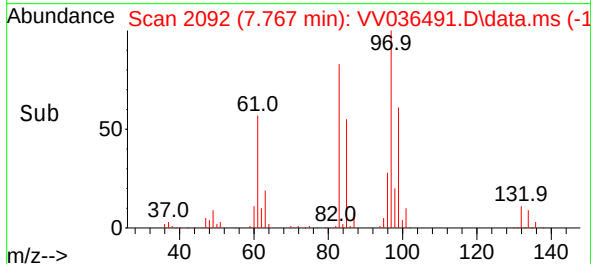
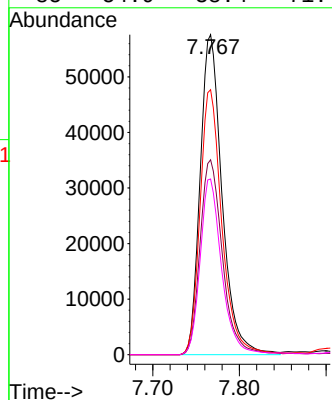
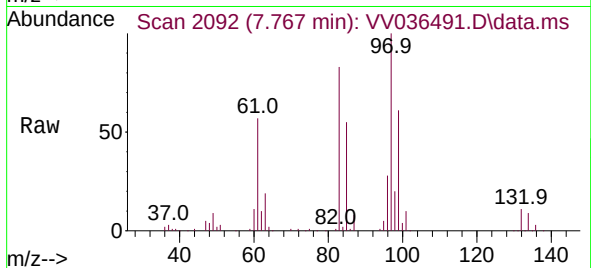




#45
1,1,2-Trichloroethane
Concen: 24.726 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

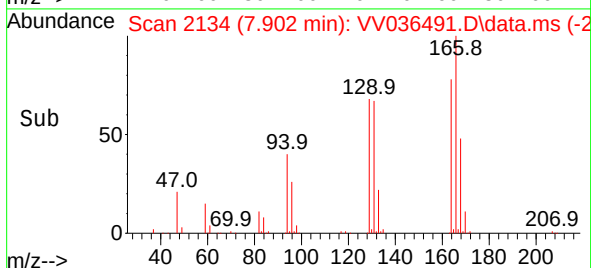
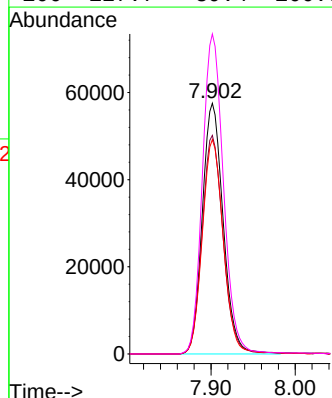
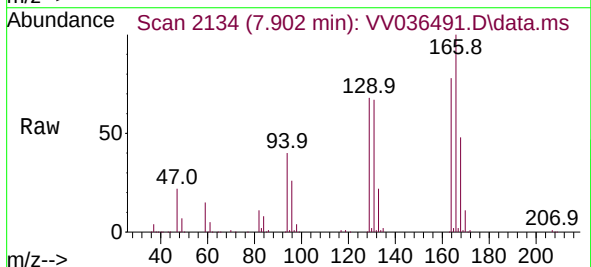
Instrument :
MSVOA_V
ClientSampleId :

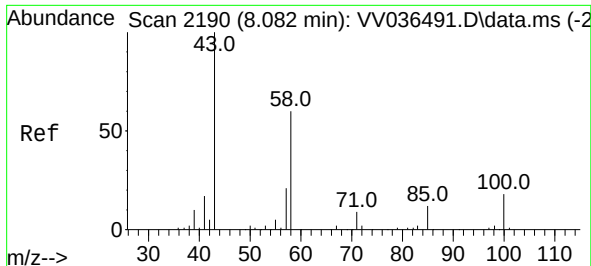
Tgt Ion:	97	Resp:	101356
Ion	Ratio	Lower	Upper
97	100		
99	60.9	42.6	79.2
83	82.8	58.0	107.6
85	54.9	38.4	71.4



#46
Tetrachloroethene
Concen: 23.419 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

Tgt Ion:	164	Resp:	99320
Ion	Ratio	Lower	Upper
164	100		
129	87.2	61.0	113.4
131	85.5	59.8	111.1
166	127.7	89.4	166.0

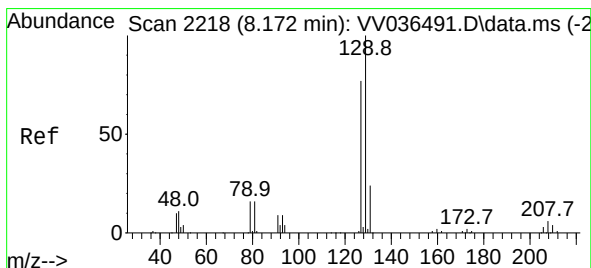
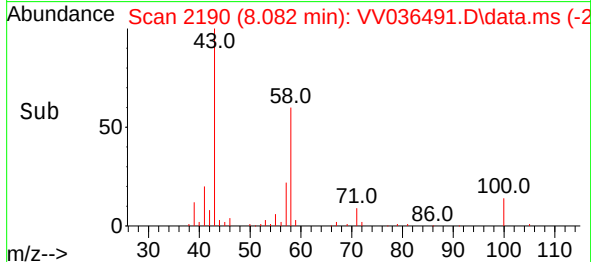
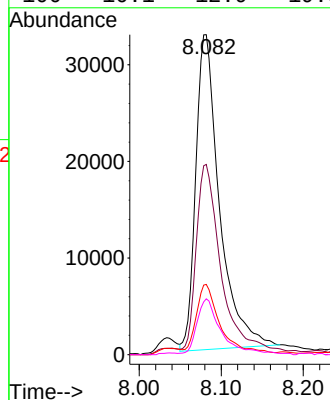
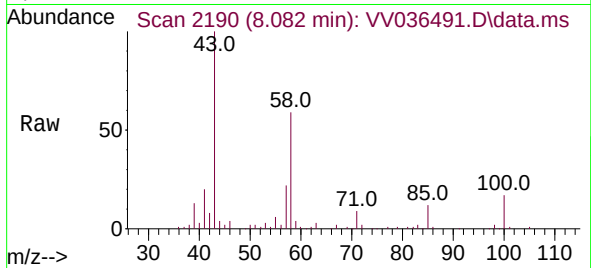




#48
2-Hexanone
Concen: 46.454 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

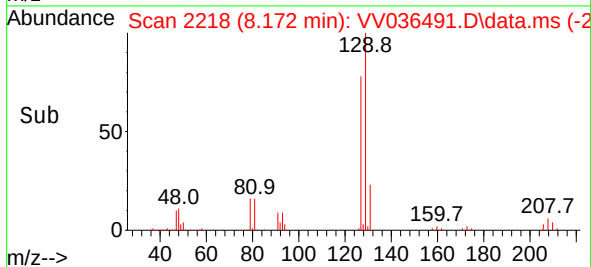
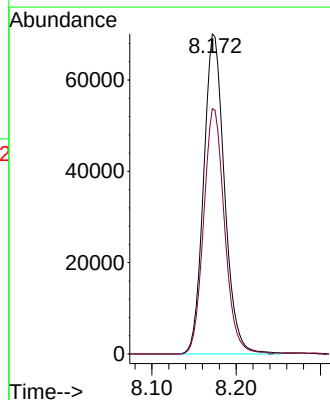
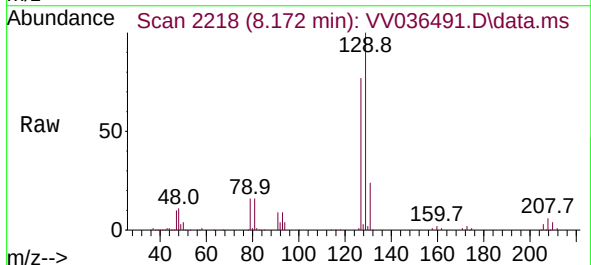
Instrument :
MSVOA_V
ClientSampleId :

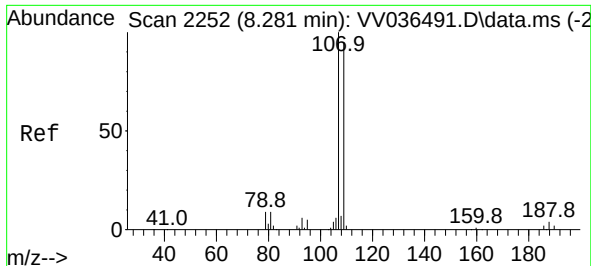
Tgt Ion: 43	Resp: 65444
Ion Ratio	Lower Upper
43 100	
58 61.9	49.5 74.3
57 19.1	15.3 22.9
100 16.1	12.9 19.3



#49
Dibromochloromethane
Concen: 24.386 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

Tgt Ion:129	Resp: 120875		
Ion Ratio	Lower	Upper	
129	100		
127	76.7	53.7	99.7

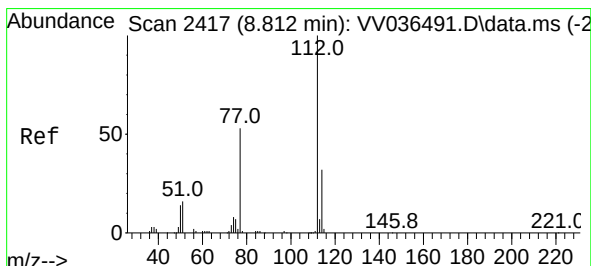
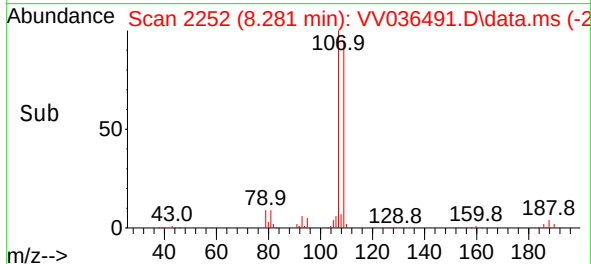
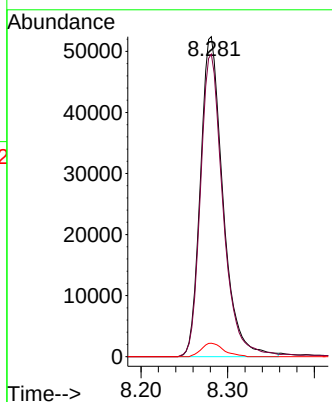
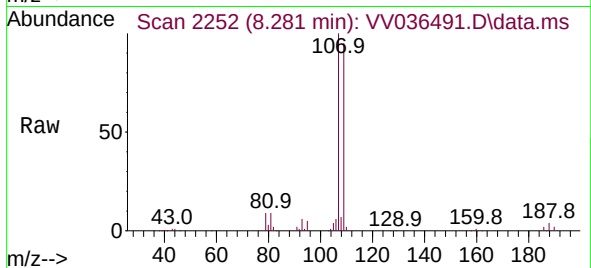




#50
1,2-Dibromoethane
Concen: 24.687 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

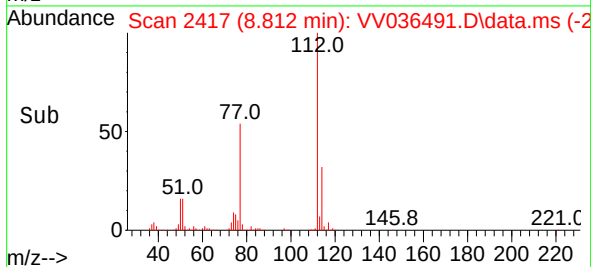
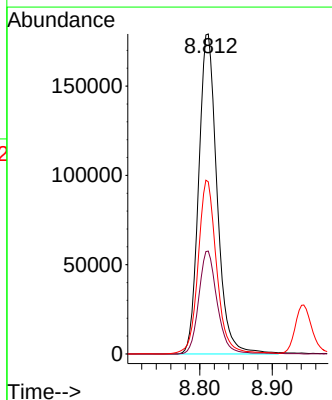
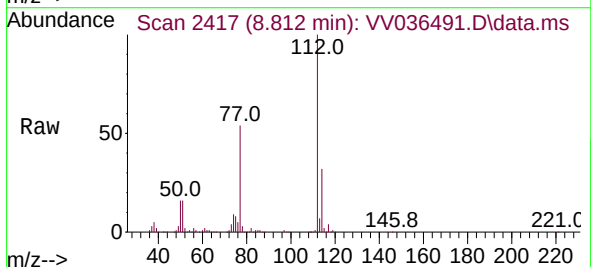
Instrument :
MSVOA_V
ClientSampleId :

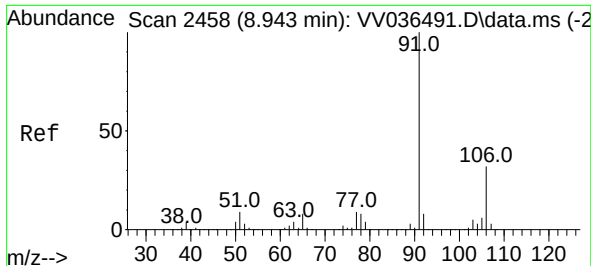
Tgt Ion:107 Resp: 94970
Ion Ratio Lower Upper
107 100
109 94.6 66.2 123.0
188 4.2 3.4 5.0



#51
Chlorobenzene
Concen: 24.122 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

Tgt Ion:112 Resp: 315526
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 53.8 43.0 64.6





#52

Ethylbenzene

Concen: 25.196 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

Instrument :

MSVOA_V

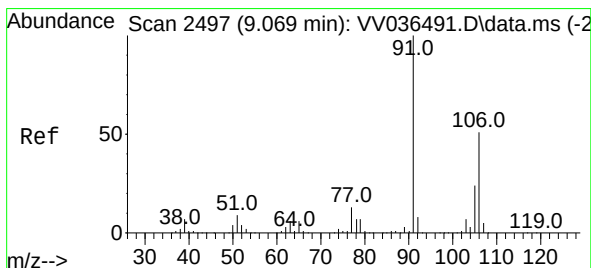
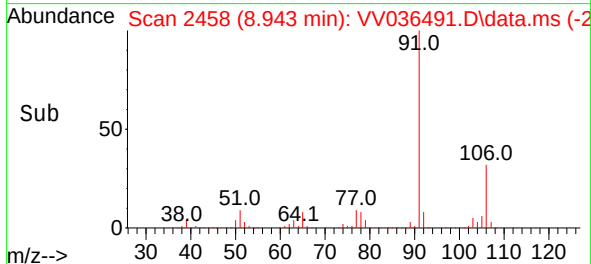
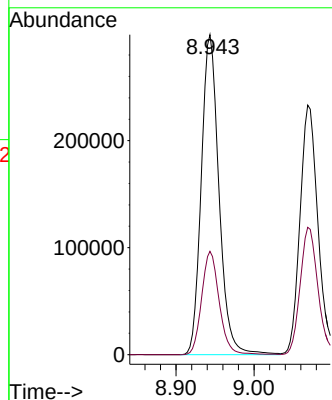
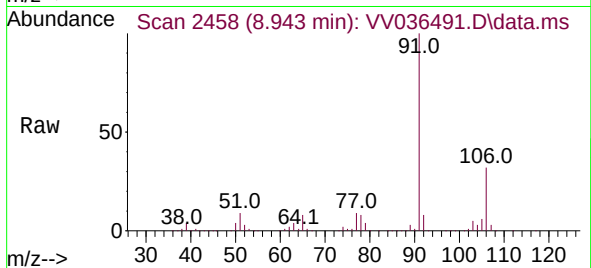
ClientSampleId :

Tgt Ion: 91 Resp: 472049

Ion Ratio Lower Upper

91 100

106 32.3 22.6 42.0



#53

m,p-Xylene

Concen: 26.464 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV036491.D

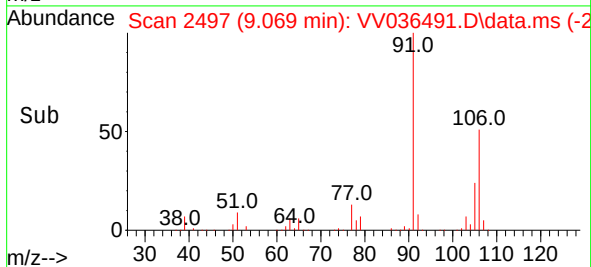
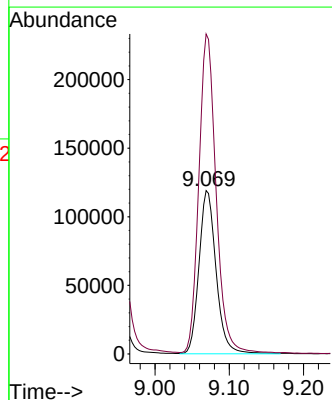
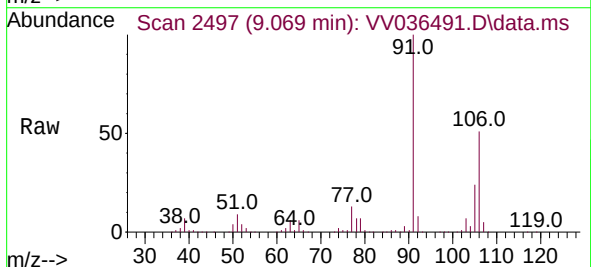
Acq: 11 Jul 2024 11:13

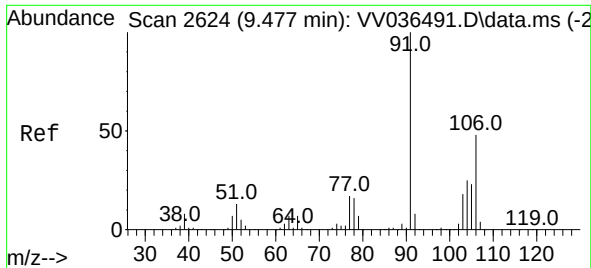
Tgt Ion:106 Resp: 190890

Ion Ratio Lower Upper

106 100

91 195.9 137.1 254.7

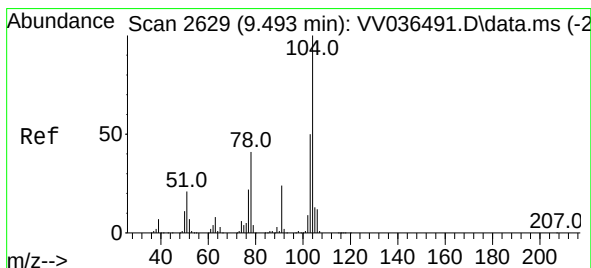
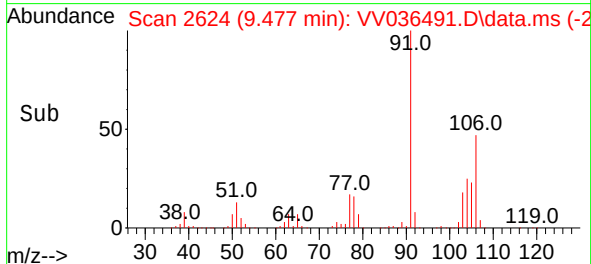
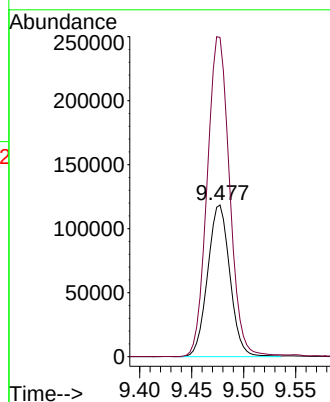
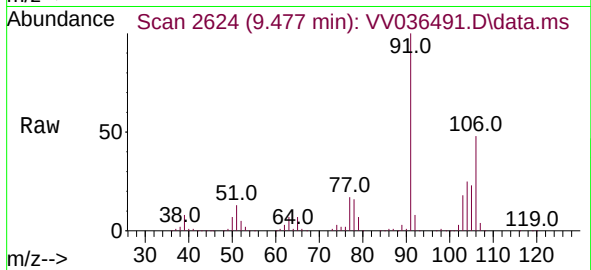




#54
o-Xylene
Concen: 25.709 ug/L
RT: 9.477 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

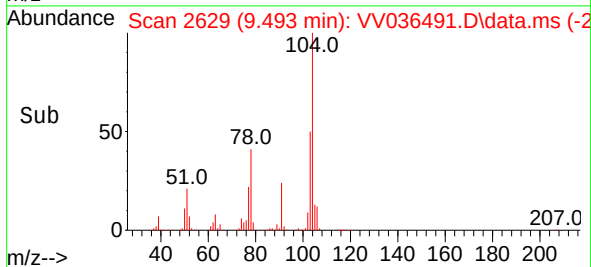
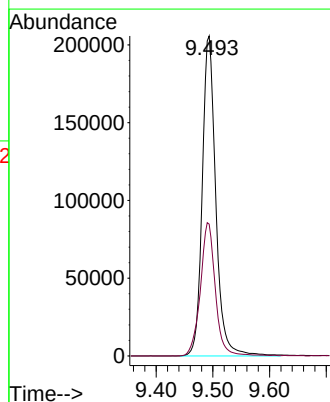
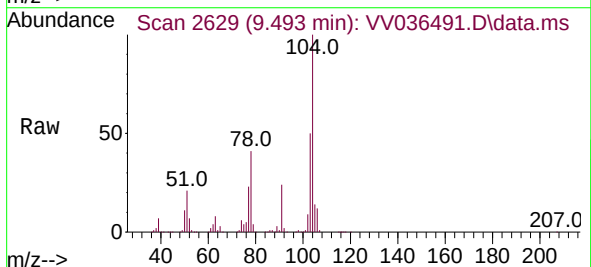
Instrument :
MSVOA_V
ClientSampleId :

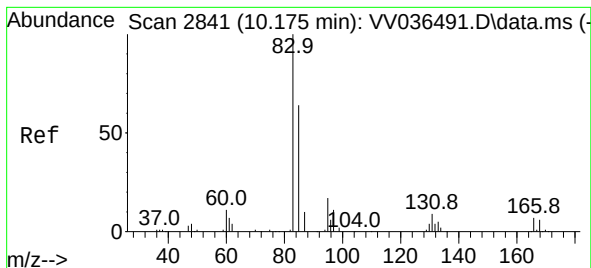
Tgt Ion:106 Resp: 176560
Ion Ratio Lower Upper
106 100
91 210.5 147.3 273.6



#55
Styrene
Concen: 28.034 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

Tgt Ion:104 Resp: 342109
Ion Ratio Lower Upper
104 100
78 41.2 28.8 53.6





#57

1,1,2,2-Tetrachloroethane

Concen: 23.755 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

Instrument :

MSVOA_V

ClientSampleId :

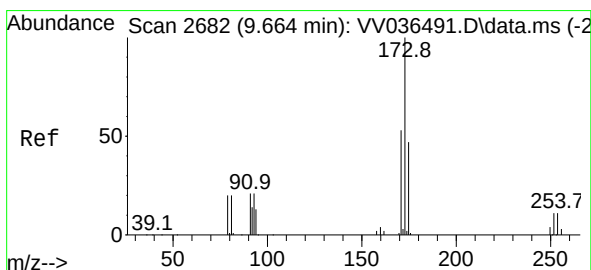
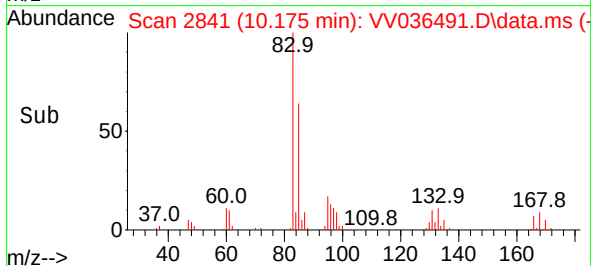
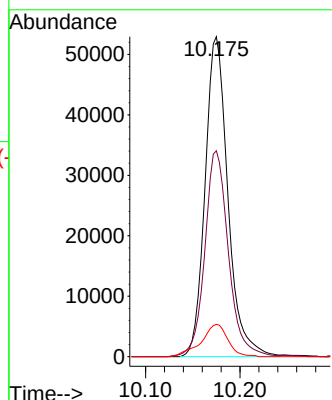
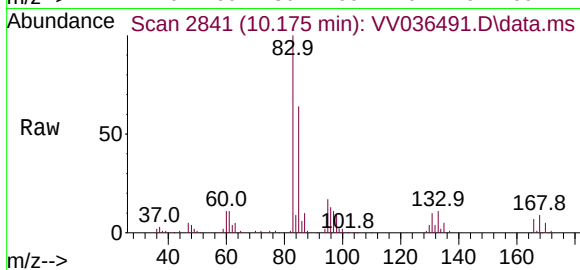
Tgt Ion: 83 Resp: 88918

Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

131 10.1 8.1 12.1



#59

Bromoform

Concen: 23.599 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

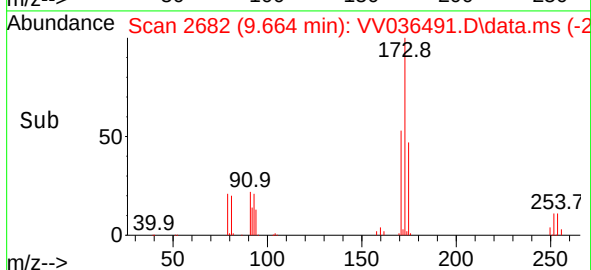
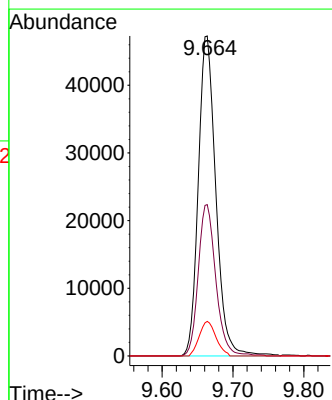
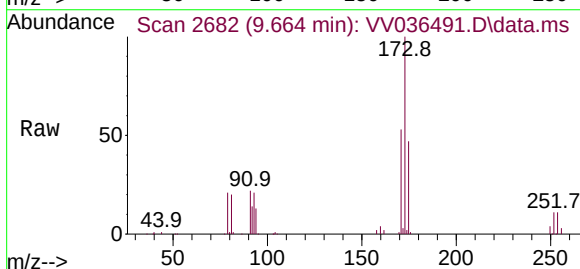
Tgt Ion: 173 Resp: 81211

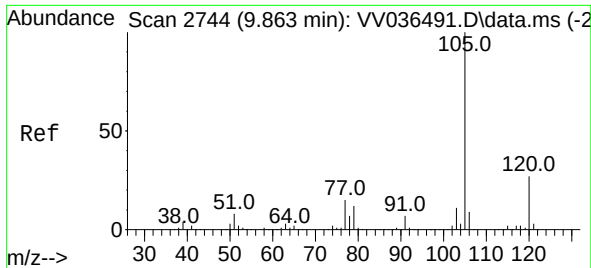
Ion Ratio Lower Upper

173 100

175 47.0 37.6 56.4

254 10.3 8.2 12.4

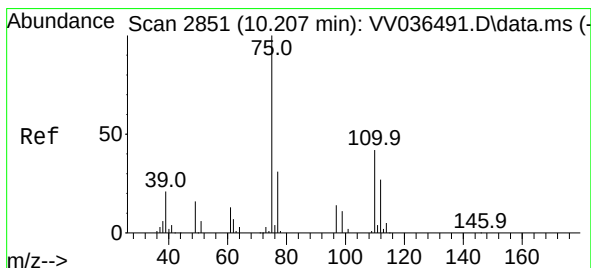
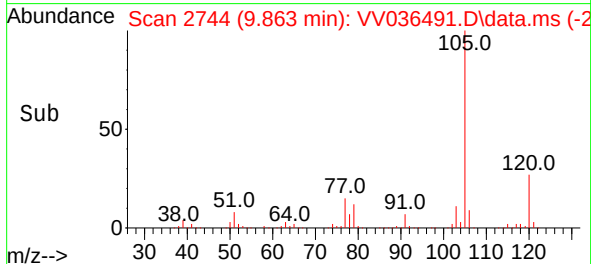
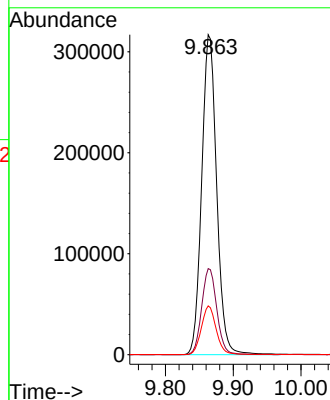
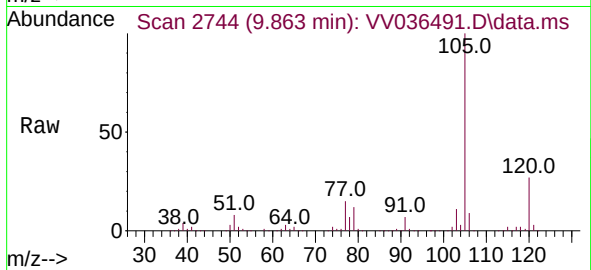




#60
Isopropylbenzene
Concen: 25.047 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

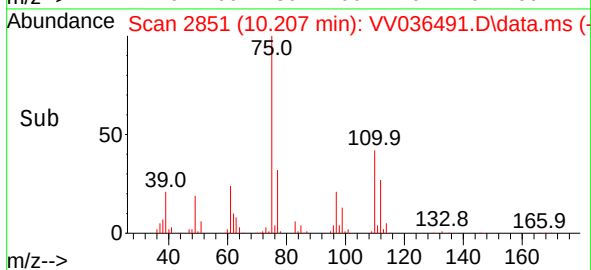
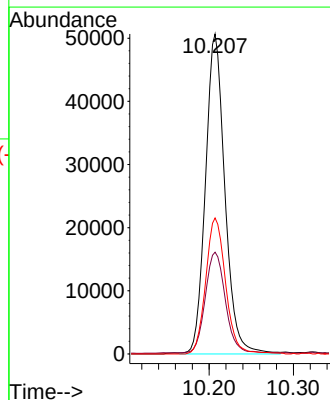
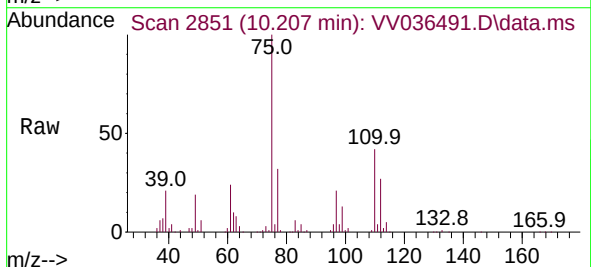
Instrument :
MSVOA_V
ClientSampleId :

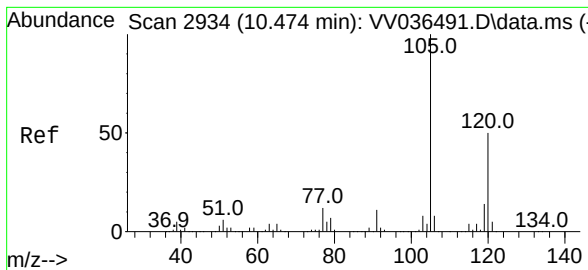
Tgt Ion:105 Resp: 485846
Ion Ratio Lower Upper
105 100
120 27.2 21.8 32.6
77 15.0 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 23.586 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

Tgt Ion: 75 Resp: 81481
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4
110 43.5 34.8 52.2

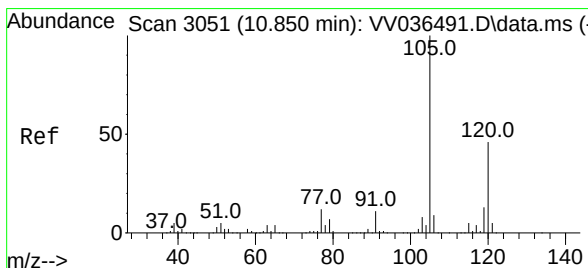
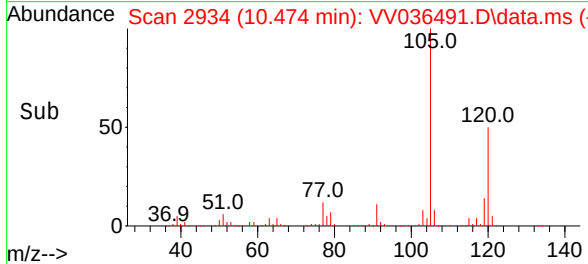
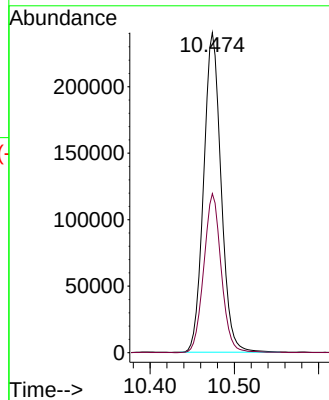
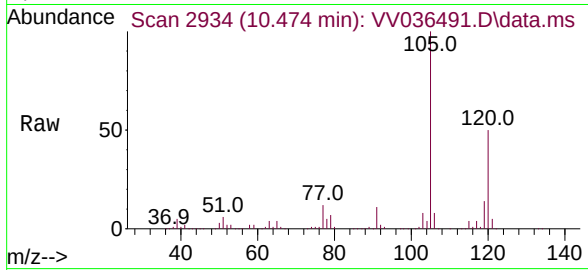




#62
 1,3,5-Trimethylbenzene
 Concen: 24.974 ug/L
 RT: 10.474 min Scan# 2934
 Delta R.T. 0.000 min
 Lab File: VV036491.D
 Acq: 11 Jul 2024 11:13

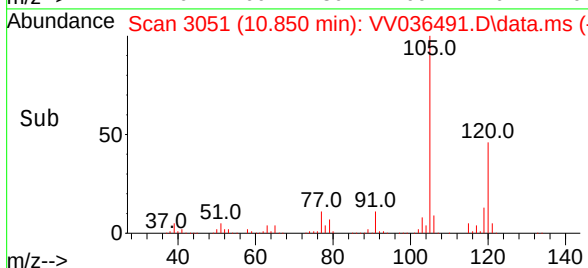
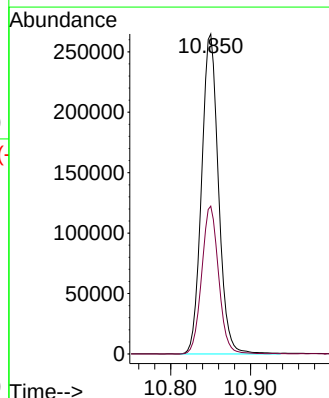
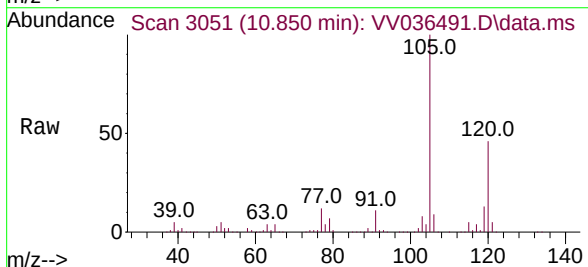
Instrument :
 MSVOA_V
 ClientSampleId :

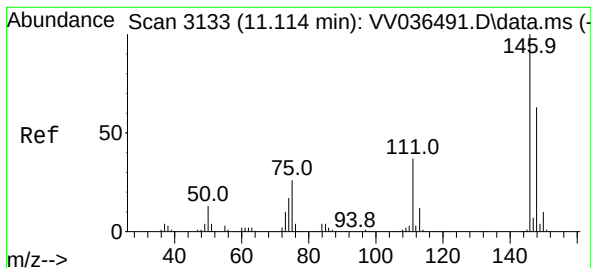
Tgt Ion:105 Resp: 346921
 Ion Ratio Lower Upper
 105 100
 120 49.9 39.9 59.9



#63
 1,2,4-Trimethylbenzene
 Concen: 25.783 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. 0.000 min
 Lab File: VV036491.D
 Acq: 11 Jul 2024 11:13

Tgt Ion:105 Resp: 389717
 Ion Ratio Lower Upper
 105 100
 120 46.2 37.0 55.4





#64

1,3-Dichlorobenzene

Concen: 24.266 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

Instrument :

MSVOA_V

ClientSampleId :

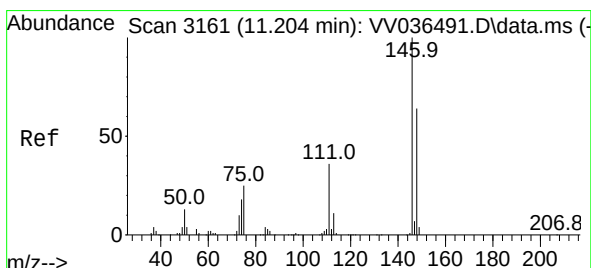
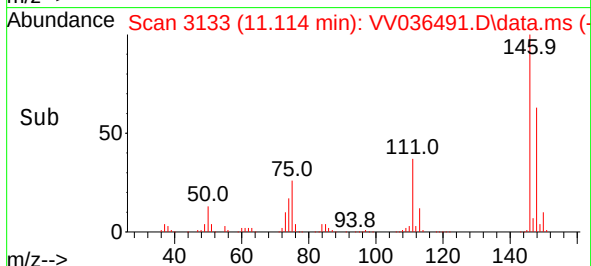
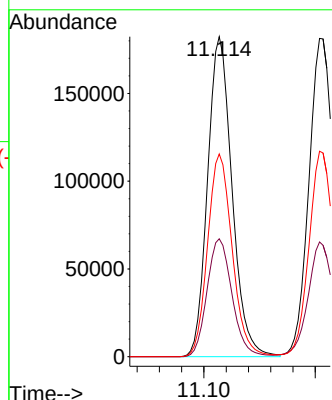
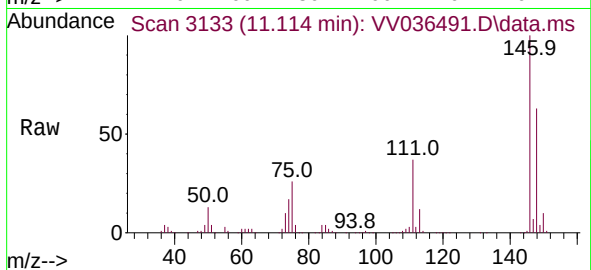
Tgt Ion:146 Resp: 278264

Ion Ratio Lower Upper

146 100

111 36.8 25.8 47.8

148 63.4 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 23.693 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

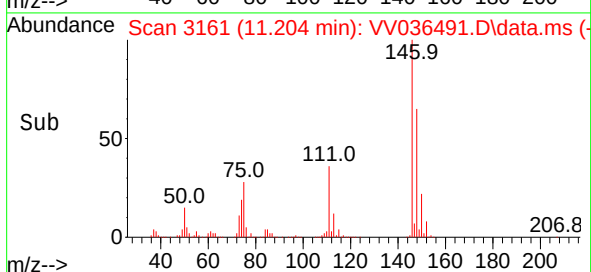
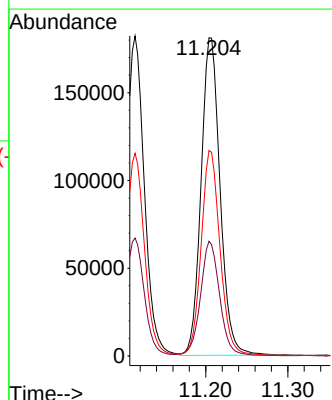
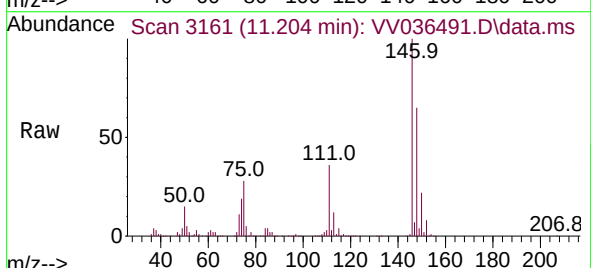
Tgt Ion:146 Resp: 291740

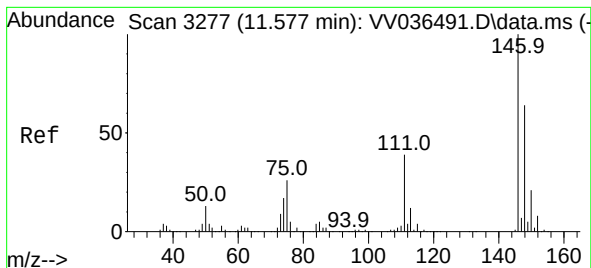
Ion Ratio Lower Upper

146 100

111 36.0 25.2 46.8

148 64.6 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 24.423 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

Instrument :

MSVOA_V

ClientSampleId :

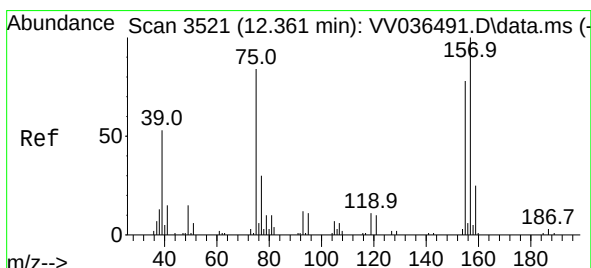
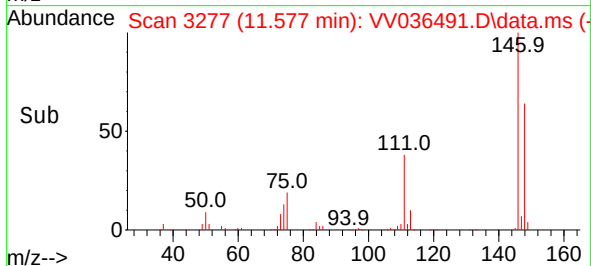
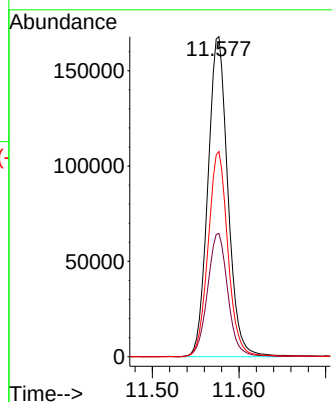
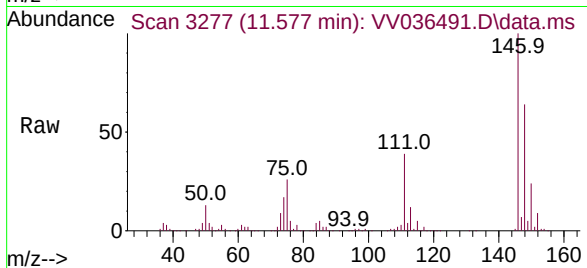
Tgt Ion:146 Resp: 269132

Ion Ratio Lower Upper

146 100

111 38.5 30.8 46.2

148 64.1 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 23.847 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

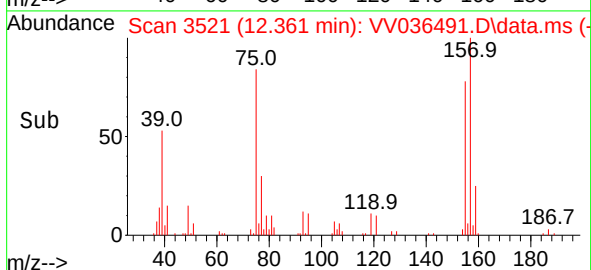
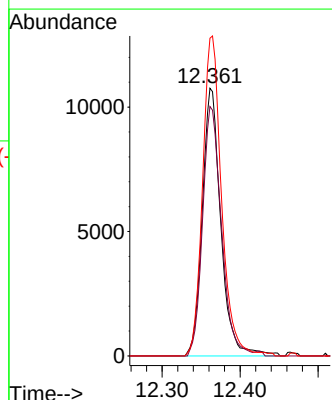
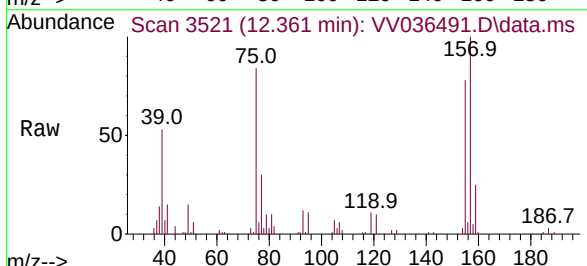
Tgt Ion: 75 Resp: 17824

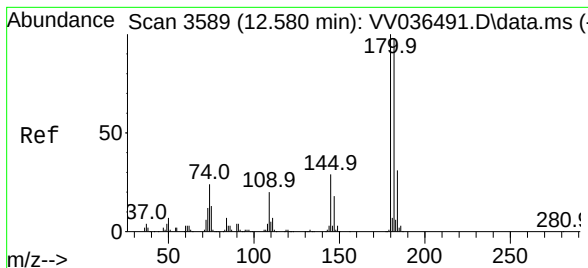
Ion Ratio Lower Upper

75 100

155 93.2 74.6 111.8

157 118.7 95.0 142.4





#69

1,3,5-Trichlorobenzene

Concen: 23.659 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

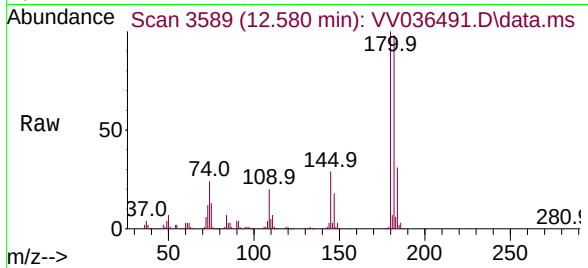
Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 210072

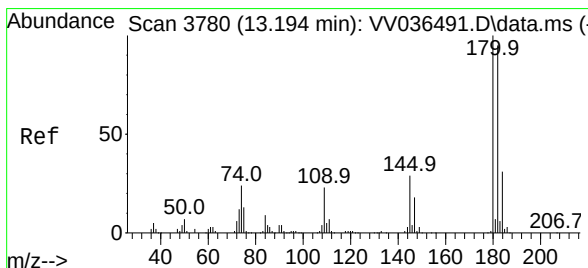
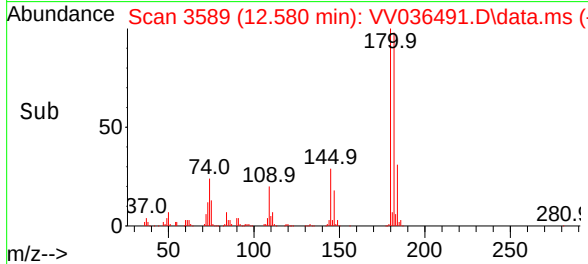
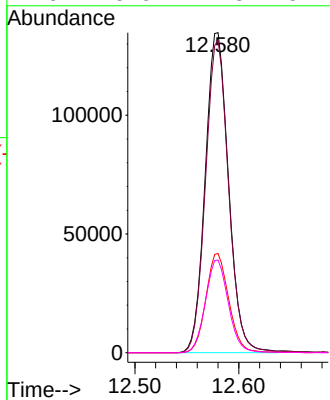
Ion Ratio Lower Upper

180 100

182 96.7 77.4 116.0

184 30.5 24.4 36.6

145 28.5 22.8 34.2



#70

1,2,4-trichlorobenzene

Concen: 24.186 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036491.D

Acq: 11 Jul 2024 11:13

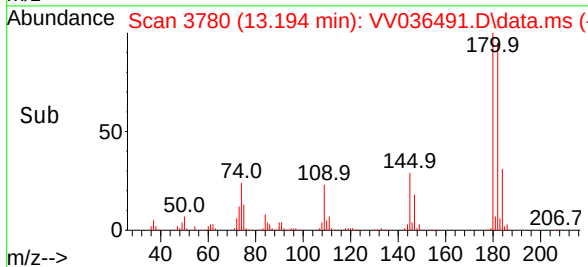
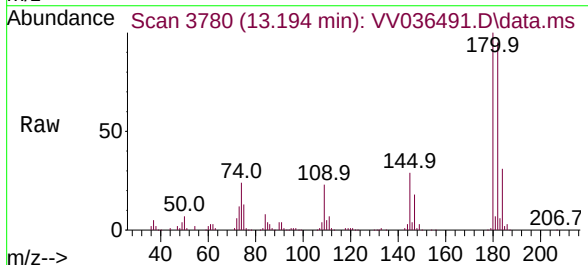
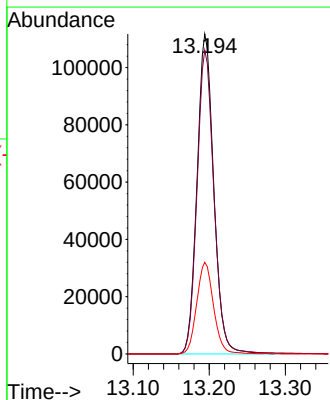
Tgt Ion:180 Resp: 170797

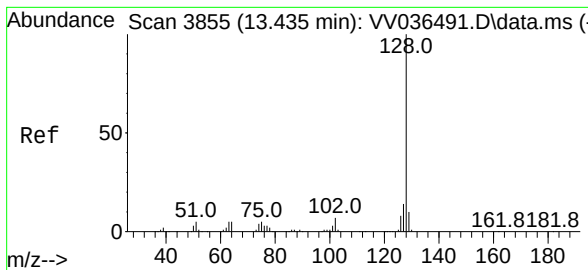
Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

145 28.8 23.0 34.6

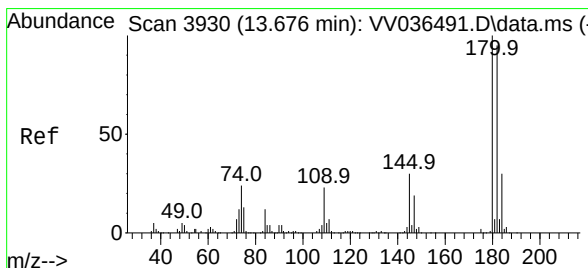
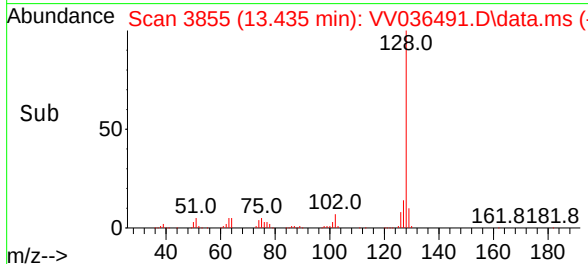
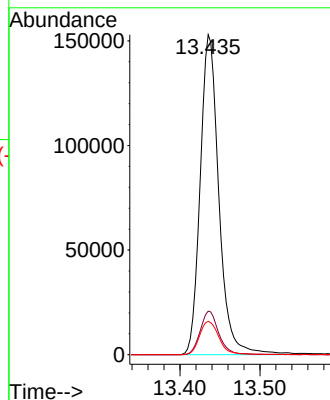
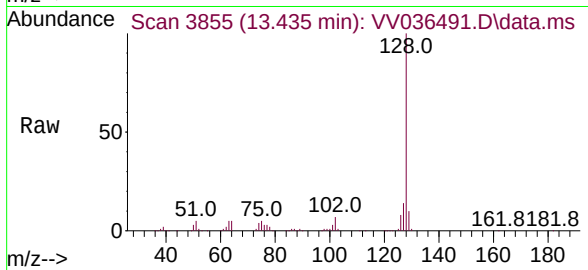




#71
Naphthalene
Concen: 23.433 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 248528
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 25.552 ug/L
RT: 13.676 min Scan# 3930
Delta R.T. 0.000 min
Lab File: VV036491.D
Acq: 11 Jul 2024 11:13

Tgt Ion:180 Resp: 170716
Ion Ratio Lower Upper
180 100
182 95.7 76.6 114.8
145 30.5 24.4 36.6

