

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062724\
 Data File : VW036299.D
 Acq On : 27 Jun 2024 09:15
 Operator : SY/MD
 Sample : VSTD050
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 28 00:04:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 00:02:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	410514	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	417581	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	235642	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	315691	45.281	ug/L	0.00
7) Chloroethane-d5	1.526	69	246262	44.223	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.050	65	145934	44.527	ug/L	0.00
21) 2-Butanone-d5	3.822	46	151276	96.809	ug/L	-0.01
24) Chloroform-d	4.240	84	540581	44.612	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.934	65	298528	46.197	ug/L	0.00
32) Benzene-d6	4.953	84	1073430	45.537	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	329162	41.869	ug/L	0.00
41) Toluene-d8	7.236	98	1022860	48.126	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	154196	48.700	ug/L	0.00
47) 2-Hexanone-d5	8.027	63	118775	104.554	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	261513	44.995	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	379861	44.236	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	358820	46.004	ug/L	100
3) Chloromethane	1.211	50	325164	46.056	ug/L	100
5) Vinyl chloride	1.275	62	381793	46.830	ug/L	100
6) Bromomethane	1.481	94	254015	46.326	ug/L	100
8) Chloroethane	1.542	64	231613	46.095	ug/L	100
9) Trichlorofluoromethane	1.706	101	534376	45.895	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	337101	46.156	ug/L	99
12) 1,1-Dichloroethene	2.060	96	303231	46.895	ug/L	97
13) Acetone	2.384	43	128701	63.687	ug/L	100
14) Carbon disulfide	2.230	76	955205	46.821	ug/L	100
15) Methyl Acetate	2.384	43	133277	45.835	ug/L	99
16) Methylene chloride	2.439	84	320345	39.638	ug/L	99
17) trans-1,2-Dichloroethene	2.683	96	305187	47.536	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	766361	51.279	ug/L	99
19) 1,1-Dichloroethane	3.105	63	539572	47.269	ug/L	99
20) cis-1,2-Dichloroethene	3.806	96	319973	49.553	ug/L	98
22) 2-Butanone	3.902	43	201327	124.400	ug/L	96
23) Bromochloromethane	4.140	128	161507	47.967	ug/L	99
25) Chloroform	4.269	83	574735	47.205	ug/L	99
27) 1,2-Dichloroethane	5.034	62	383205	48.607	ug/L	99
29) Cyclohexane	4.574	56	454175	51.052	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	484448	46.789	ug/L	99
31) Carbon tetrachloride	4.725	117	429978	46.608	ug/L	99
33) Benzene	5.002	78	1199596	48.502	ug/L	100
34) Trichloroethene	5.825	95	373094	47.803	ug/L	98
35) Methylcyclohexane	6.043	83	556834	51.194	ug/L	99
37) 1,2-Dichloropropane	6.088	63	313236	49.589	ug/L	99
38) Bromodichloromethane	6.429	83	418286	48.416	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	521775	53.718	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	373001	105.010	ug/L	98
42) Toluene	7.310	91	1321848	51.113	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	459415	52.587	ug/L	100

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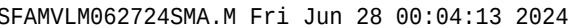
Quant Time: Jun 28 00:04:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 00:02:06 2024
 Response via : Initial Calibration

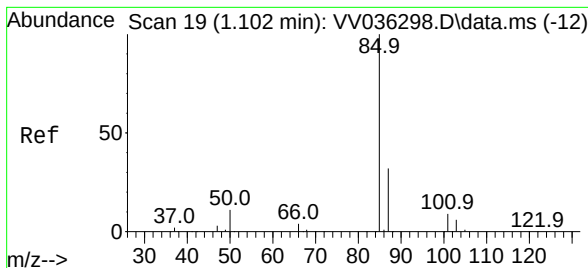
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.764	97	270280	48.410	ug/L	99
46) Tetrachloroethene	7.902	164	268804	47.390	ug/L	98
48) 2-Hexanone	8.075	43	296074	104.942	ug/L	97
49) Dibromochloromethane	8.172	129	305632	49.106	ug/L	100
50) 1,2-Dibromoethane	8.278	107	275814	50.146	ug/L	97
51) Chlorobenzene	8.809	112	859679	48.630	ug/L	100
52) Ethylbenzene	8.944	91	1453689	52.088	ug/L	100
53) m,p-Xylene	9.069	106	562140	54.045	ug/L	98
54) o-Xylene	9.474	106	534796	54.675	ug/L	98
55) Styrene	9.490	104	955895	55.761	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	238066	47.642	ug/L	98
59) Bromoform	9.661	173	213587	47.883	ug/L	98
60) Isopropylbenzene	9.863	105	1462103	51.329	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	244353	45.950	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	1099466	53.935	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	1201676	54.246	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	720099	48.515	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	738851	46.438	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	685872	48.403	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	56605	47.446	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	550662	49.270	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	464471	52.114	ug/L	100
71) Naphthalene	13.435	128	876106	55.132	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	432480	51.603	ug/L	100

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

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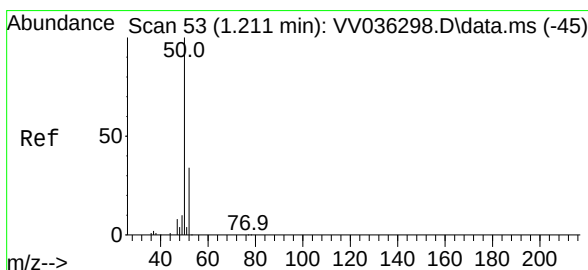
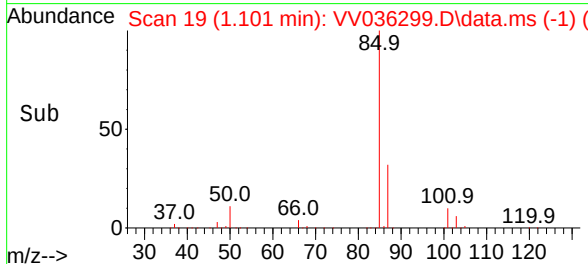
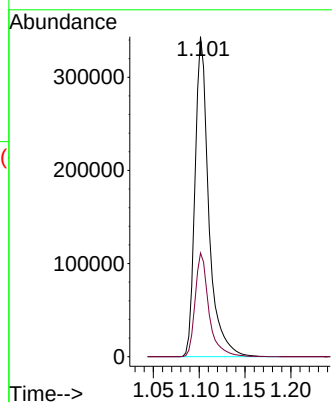
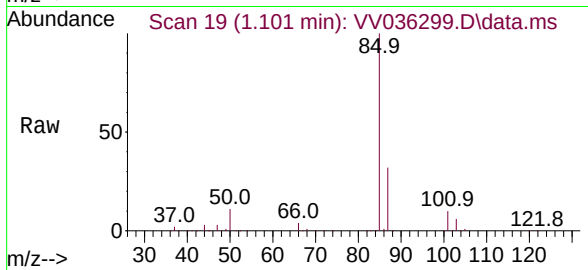




#2
Dichlorodifluoromethane
Concen: 46.004 ug/L
RT: 1.101 min Scan# 19
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

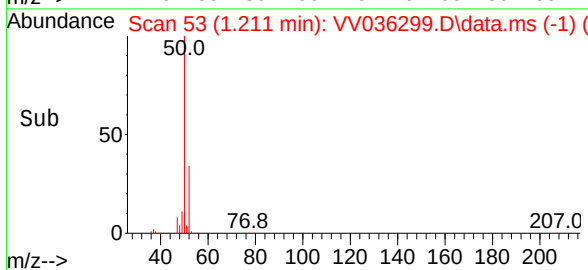
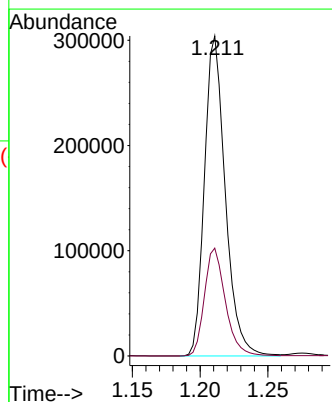
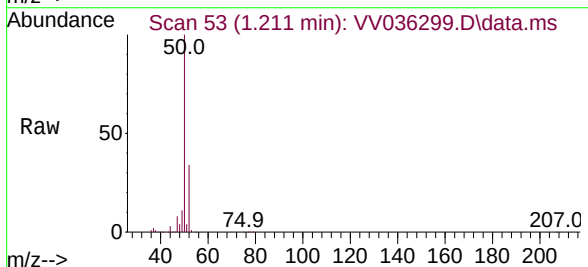
Instrument :
MSVOA_V
ClientSampleId :

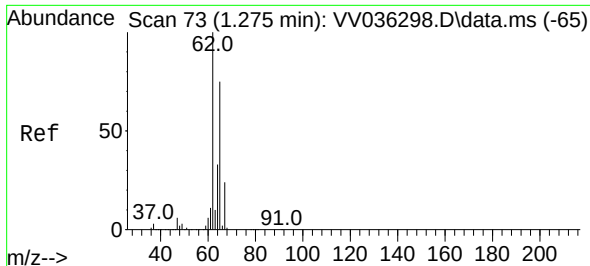
Tgt Ion: 85 Resp: 358820
Ion Ratio Lower Upper
85 100
87 32.4 25.9 38.9



#3
Chloromethane
Concen: 46.056 ug/L
RT: 1.211 min Scan# 53
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

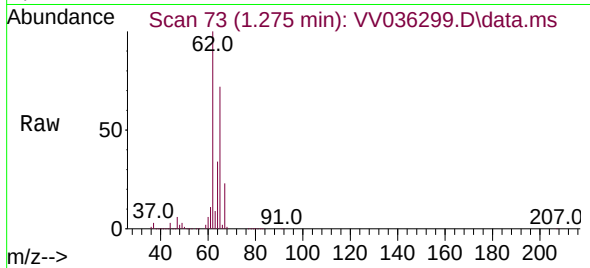
Tgt Ion: 50 Resp: 325164
Ion Ratio Lower Upper
50 100
52 33.7 23.5 43.7



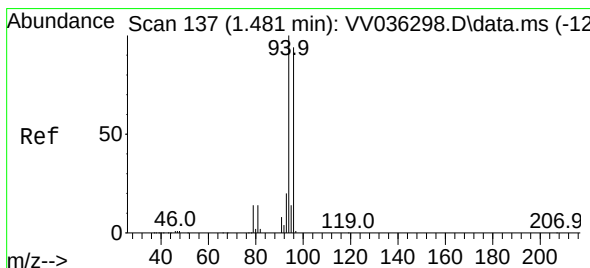
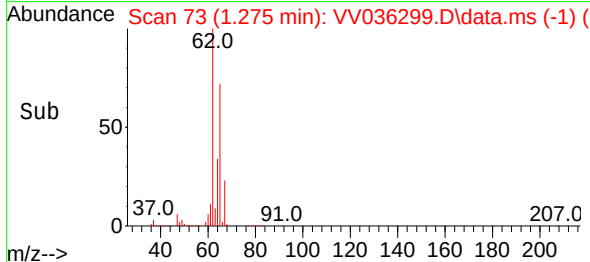
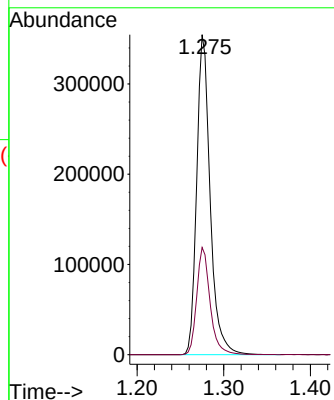


#5
 Vinyl chloride
 Concen: 46.830 ug/L
 RT: 1.275 min Scan# 73
 Delta R.T. -0.000 min
 Lab File: VV036299.D
 Acq: 27 Jun 2024 09:15

Instrument :
 MSVOA_V
 ClientSampleId :

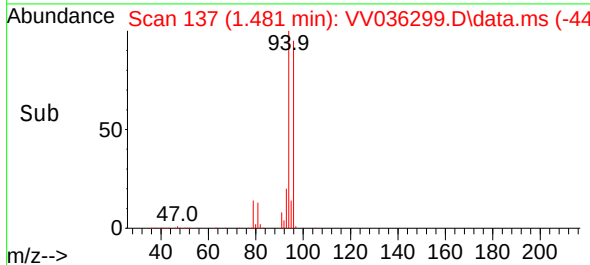
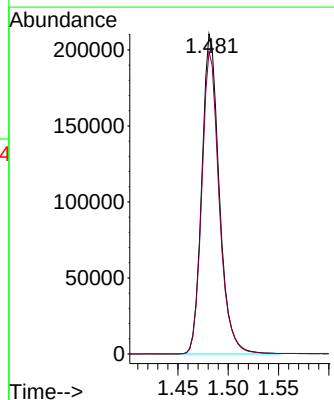
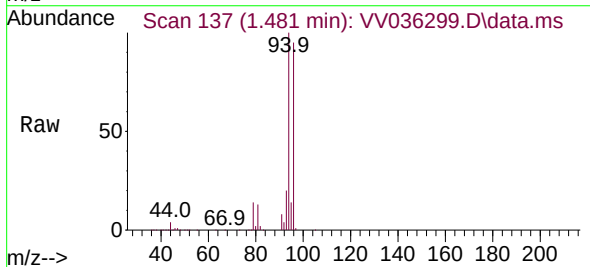


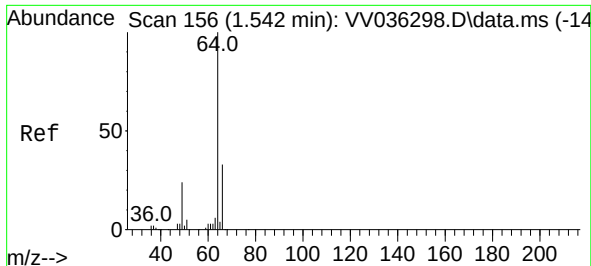
Tgt Ion: 62 Resp: 381793
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.4 43.4



#6
 Bromomethane
 Concen: 46.326 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.000 min
 Lab File: VV036299.D
 Acq: 27 Jun 2024 09:15

Tgt Ion: 94 Resp: 254015
 Ion Ratio Lower Upper
 94 100
 96 94.6 66.1 122.7

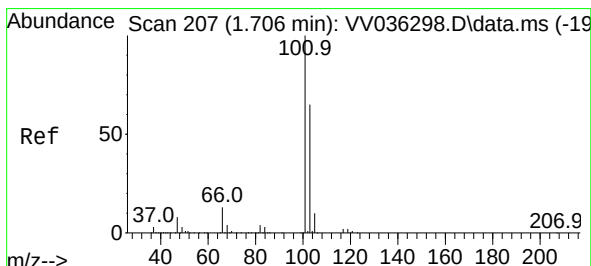
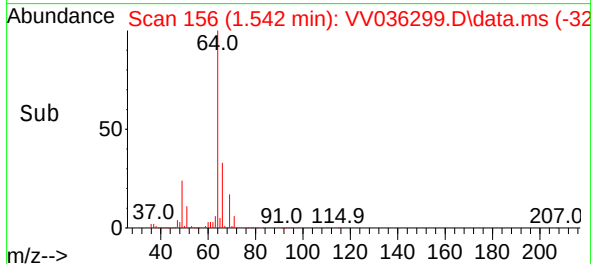
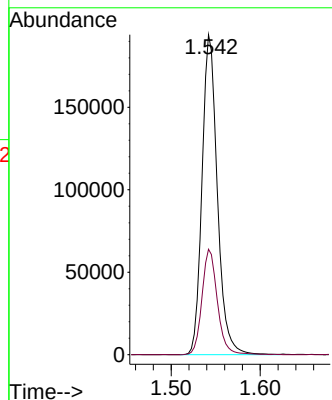
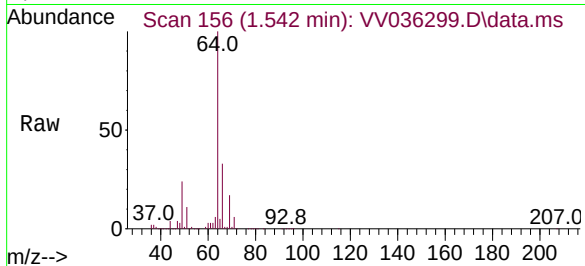




#8
Chloroethane
Concen: 46.095 ug/L
RT: 1.542 min Scan# 156
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

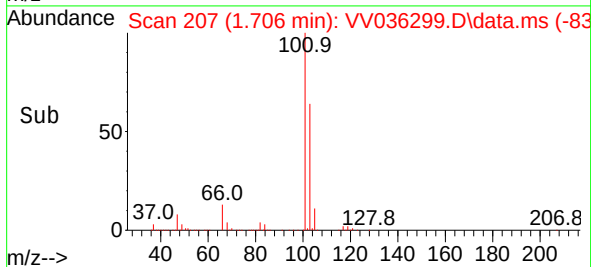
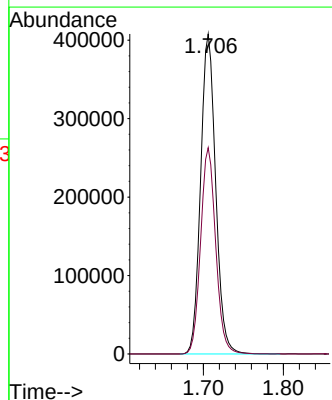
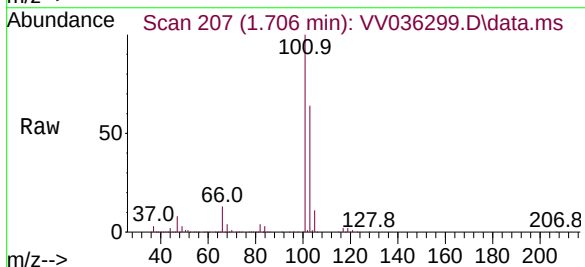
Instrument :
MSVOA_V
ClientSampleId :

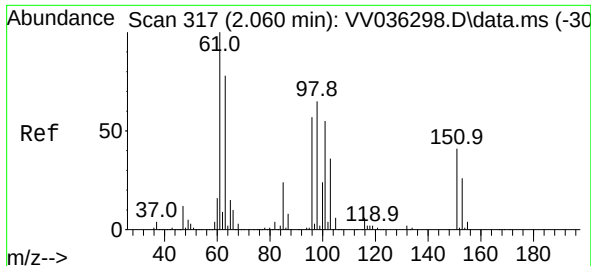
Tgt Ion: 64 Resp: 231613
Ion Ratio Lower Upper
64 100
66 33.0 23.0 42.6



#9
Trichlorofluoromethane
Concen: 45.895 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

Tgt Ion:101 Resp: 534376
Ion Ratio Lower Upper
101 100
103 64.7 51.7 77.5





#10

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

Concen: 46.156 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.000 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :

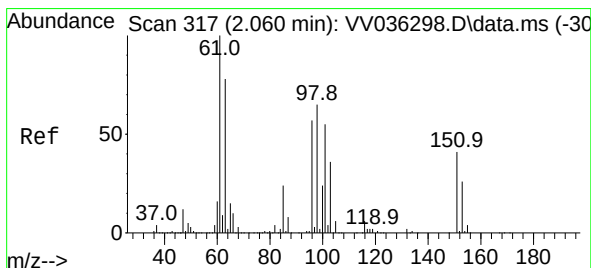
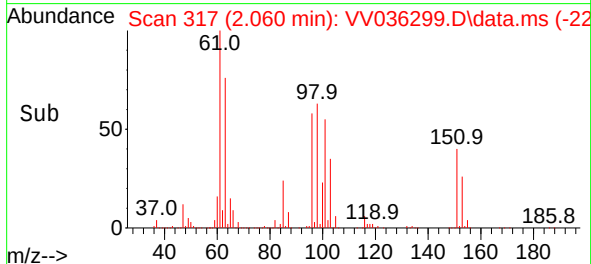
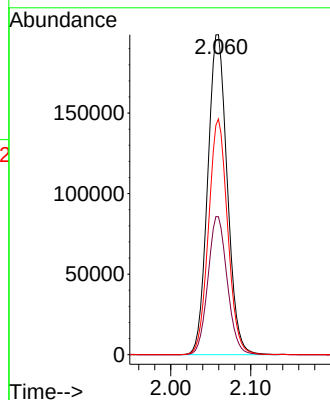
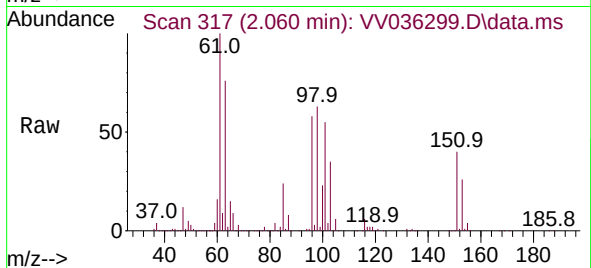
Tgt Ion:101 Resp: 337101

Ion Ratio Lower Upper

101 100

85 42.8 34.6 51.8

151 72.2 58.9 88.3



#12

1,1-Dichloroethene

Concen: 46.895 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.000 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

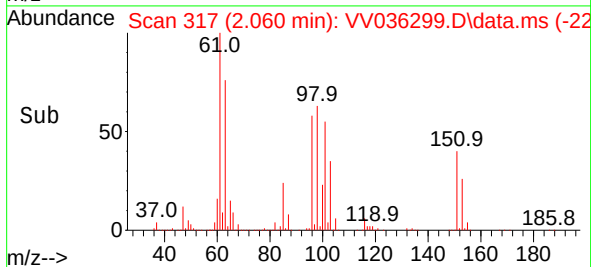
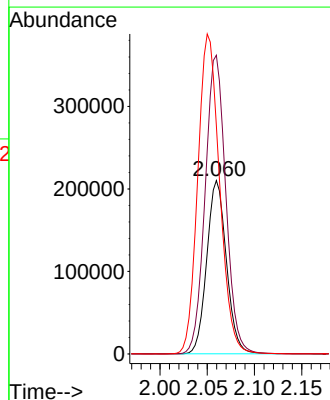
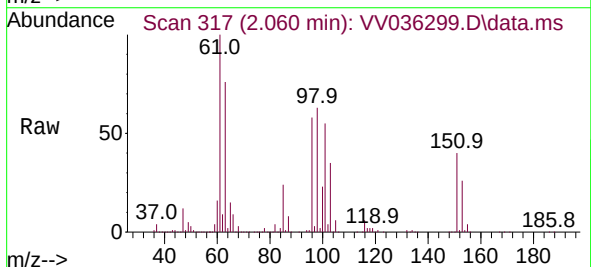
Tgt Ion: 96 Resp: 303231

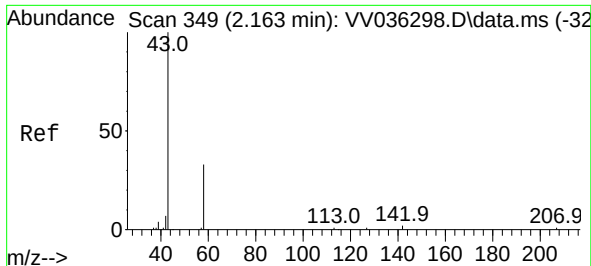
Ion Ratio Lower Upper

96 100

61 172.2 122.6 227.8

63 131.7 96.1 178.5





#13

Acetone

Concen: 63.687 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.222 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

Instrument :

MSVOA_V

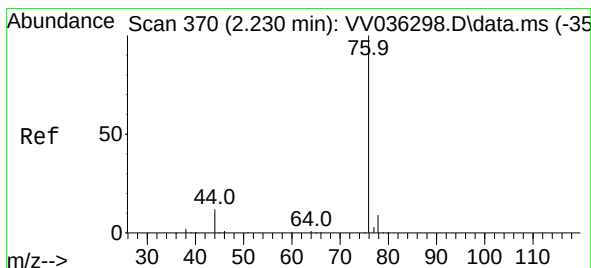
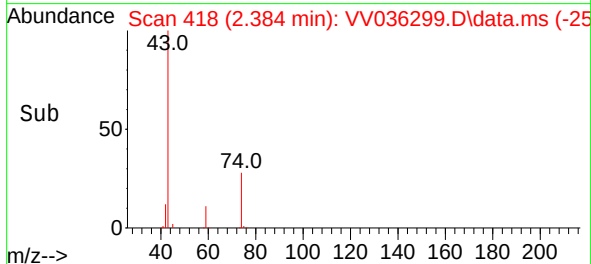
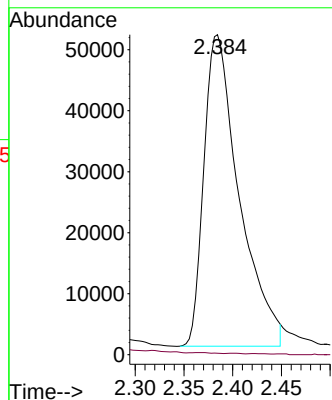
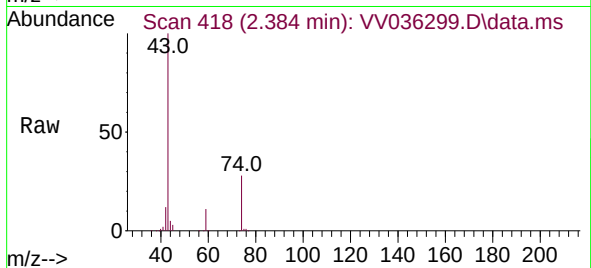
ClientSampleId :

Tgt Ion: 43 Resp: 128701

Ion Ratio Lower Upper

43 100

58 0.0 0.0 0.6



#14

Carbon disulfide

Concen: 46.821 ug/L

RT: 2.230 min Scan# 370

Delta R.T. -0.000 min

Lab File: VV036299.D

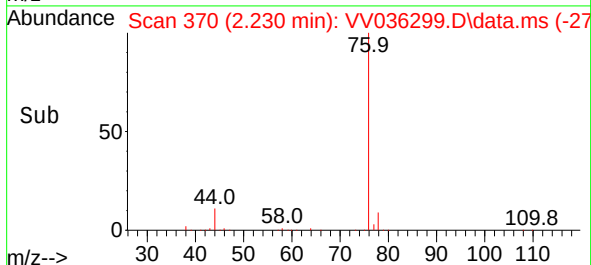
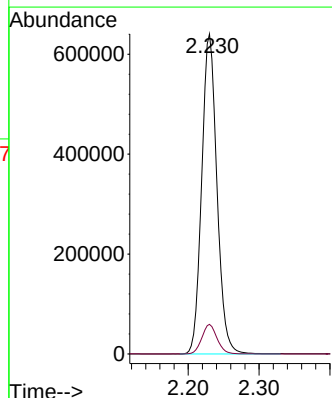
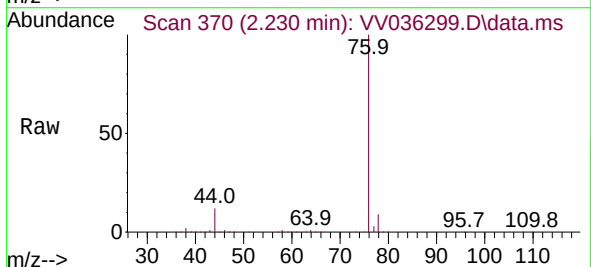
Acq: 27 Jun 2024 09:15

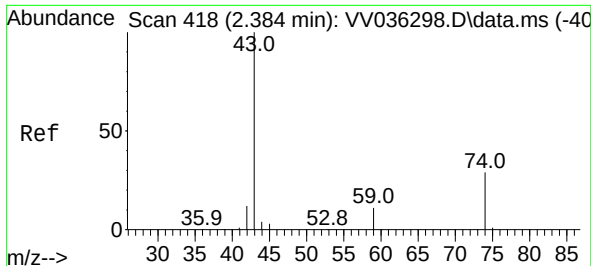
Tgt Ion: 76 Resp: 955205

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#15

Methyl Acetate

Concen: 45.835 ug/L

RT: 2.384 min Scan# 418

Delta R.T. -0.000 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

Instrument :

MSVOA_V

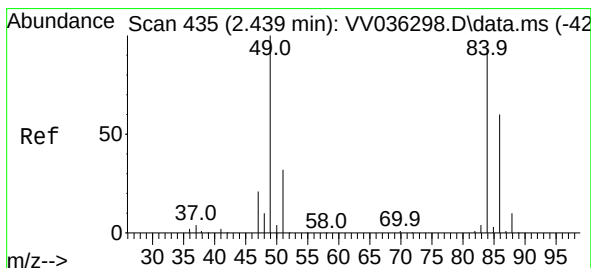
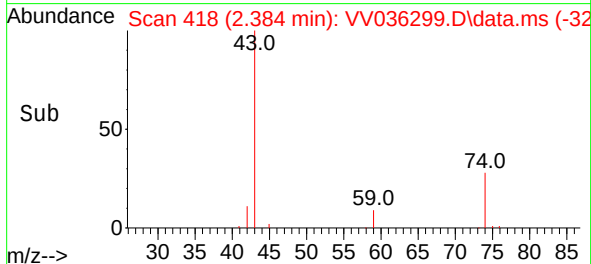
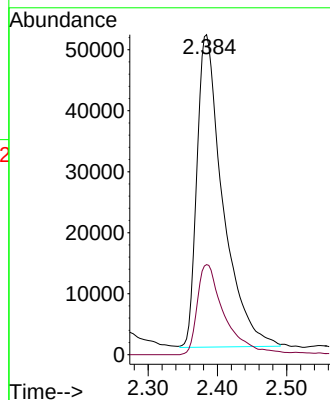
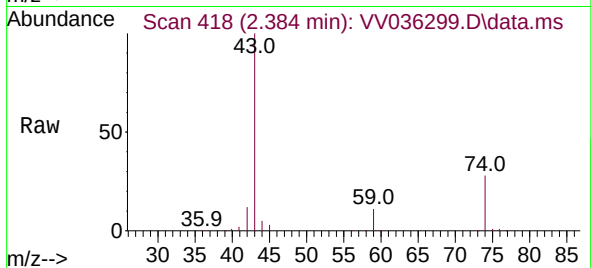
ClientSampleId :

Tgt Ion: 43 Resp: 133277

Ion Ratio Lower Upper

43 100

74 29.4 23.8 35.6



#16

Methylene chloride

Concen: 39.638 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.000 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

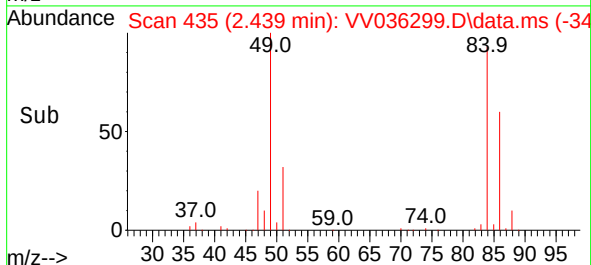
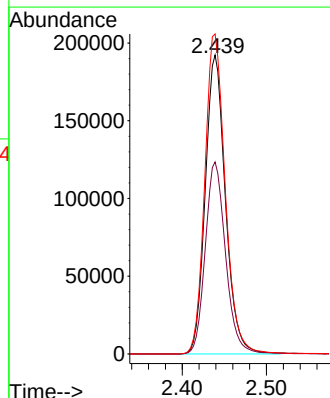
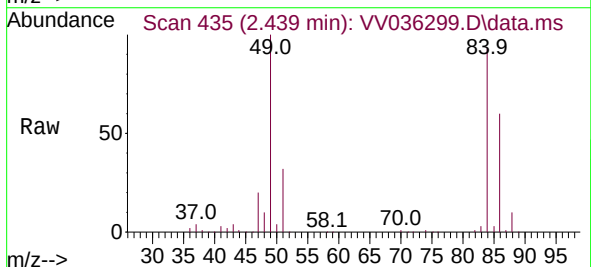
Tgt Ion: 84 Resp: 320345

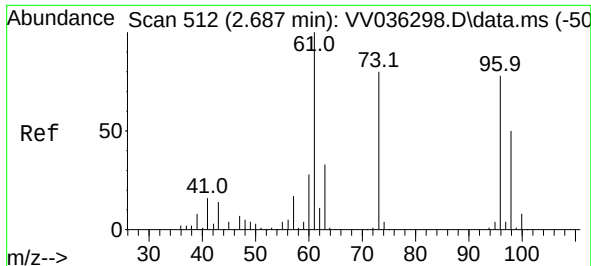
Ion Ratio Lower Upper

84 100

86 64.2 45.6 84.8

49 107.0 75.7 140.5





#17

trans-1,2-Dichloroethene

Concen: 47.536 ug/L

RT: 2.683 min Scan# 512

Delta R.T. -0.003 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :

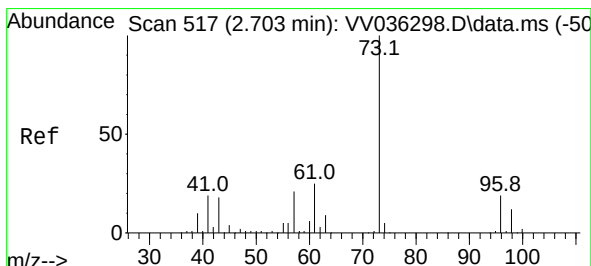
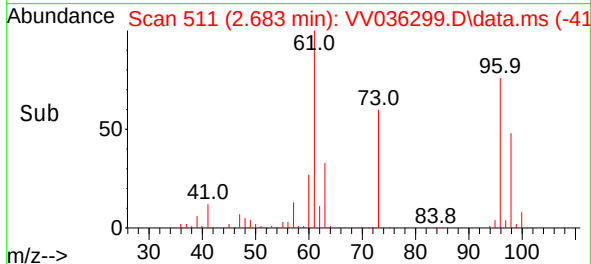
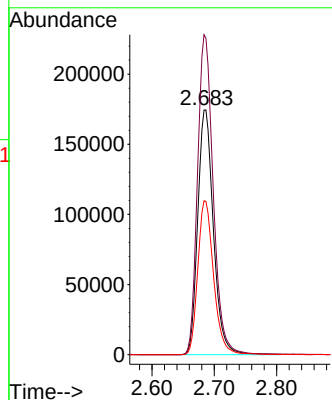
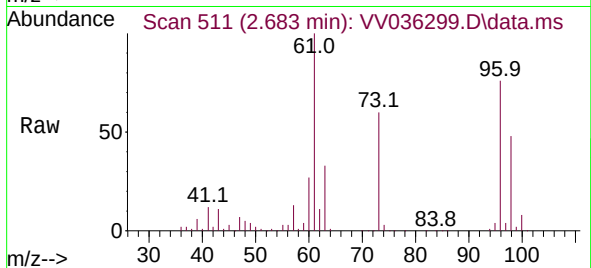
Tgt Ion: 96 Resp: 305187

Ion Ratio Lower Upper

96 100

61 130.8 89.8 166.8

98 62.9 45.3 84.1



#18

Methyl tert-butyl Ether

Concen: 51.279 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

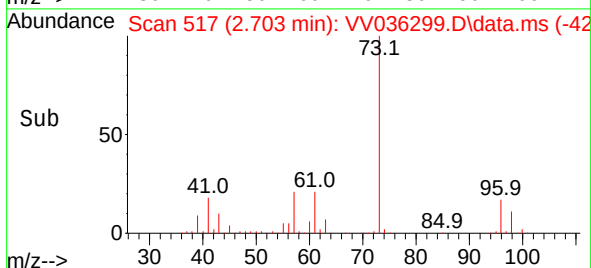
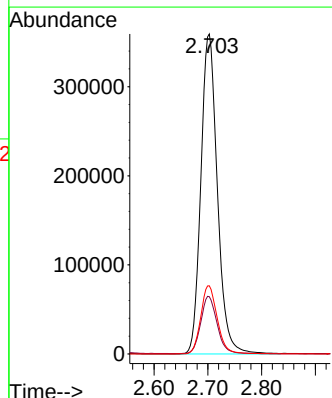
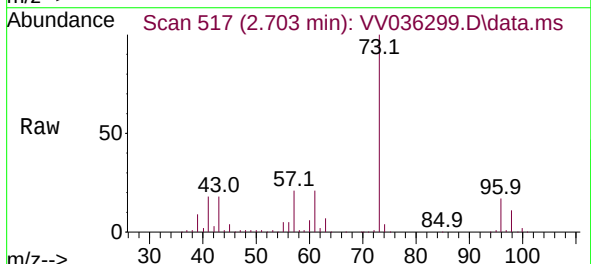
Tgt Ion: 73 Resp: 766361

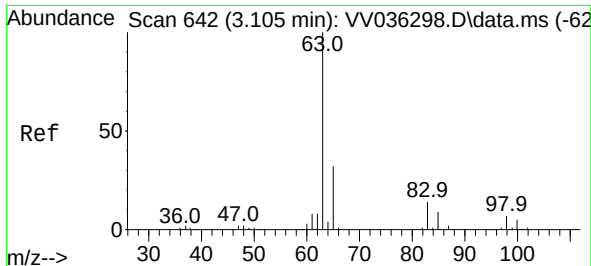
Ion Ratio Lower Upper

73 100

43 17.6 14.7 22.1

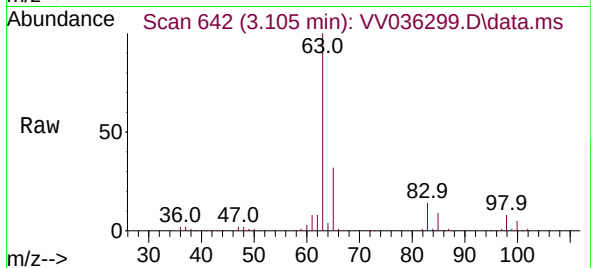
57 21.2 17.0 25.6



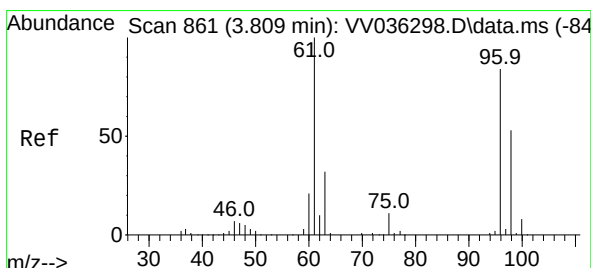
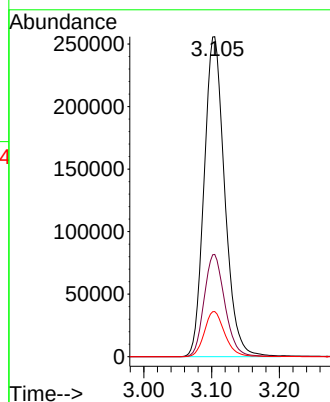
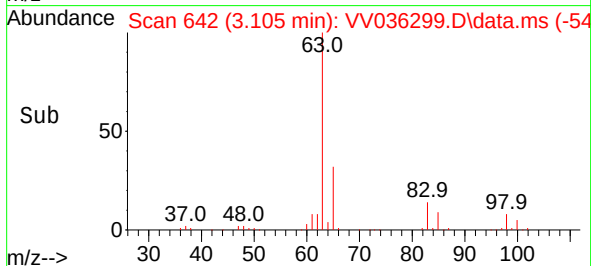


#19
1,1-Dichloroethane
Concen: 47.269 ug/L
RT: 3.105 min Scan# 64
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

Instrument :
MSVOA_V
ClientSampleId :

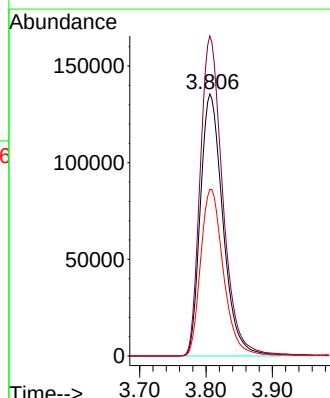
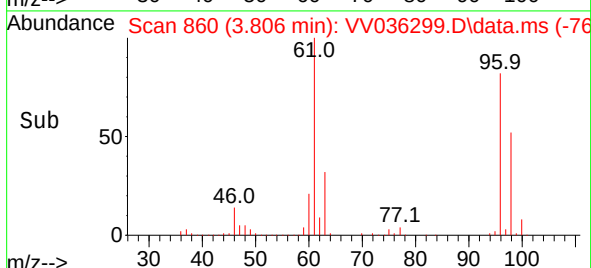
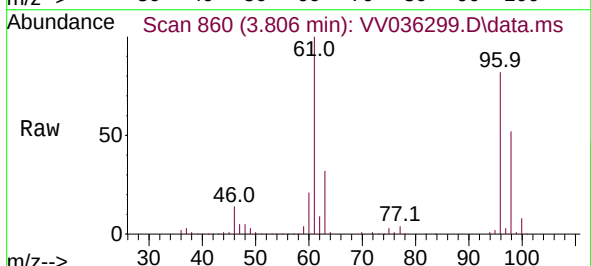


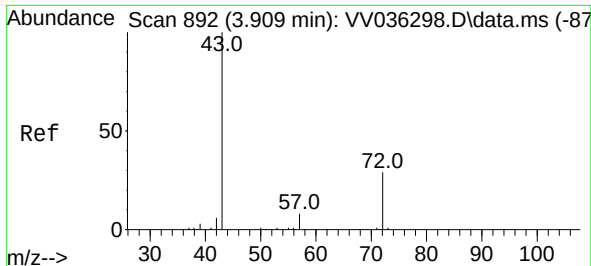
Tgt Ion: 63 Resp: 539572
Ion Ratio Lower Upper
63 100
65 31.9 22.1 41.1
83 14.1 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 49.553 ug/L
RT: 3.806 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

Tgt Ion: 96 Resp: 319973
Ion Ratio Lower Upper
96 100
61 122.1 83.7 155.5
98 63.6 44.2 82.0

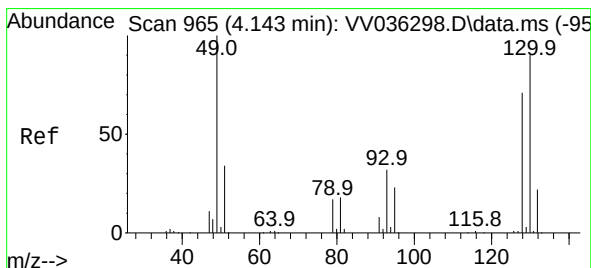
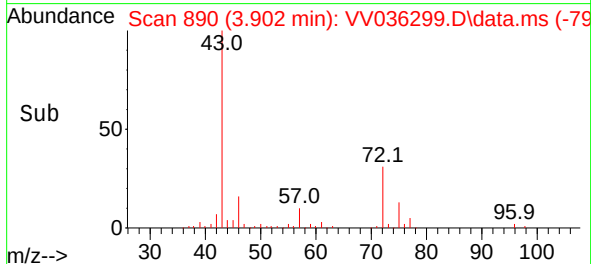
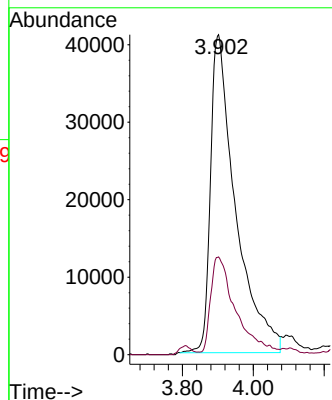
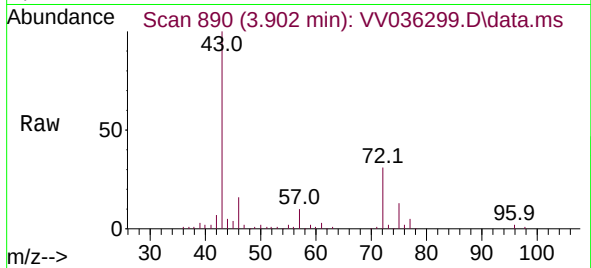




#22
2-Butanone
Concen: 124.400 ug/L
RT: 3.902 min Scan# 891
Delta R.T. -0.007 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

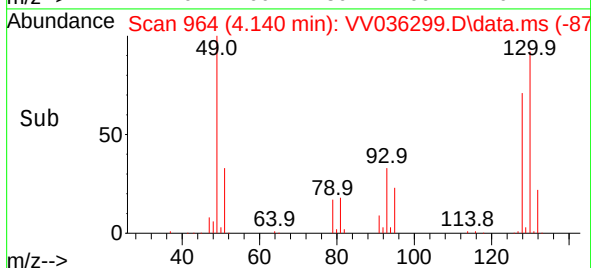
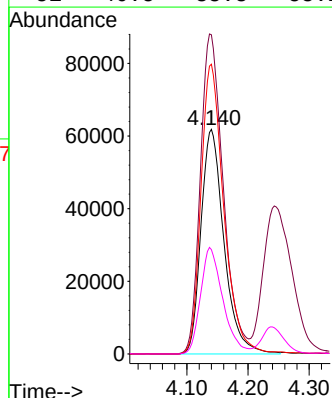
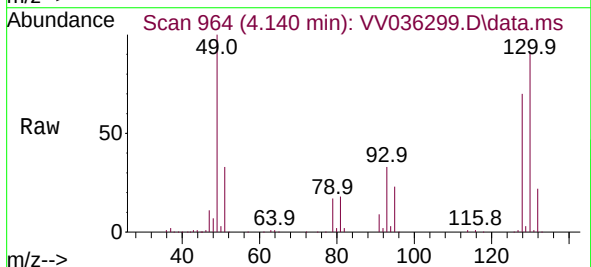
Instrument :
MSVOA_V
ClientSampleId :

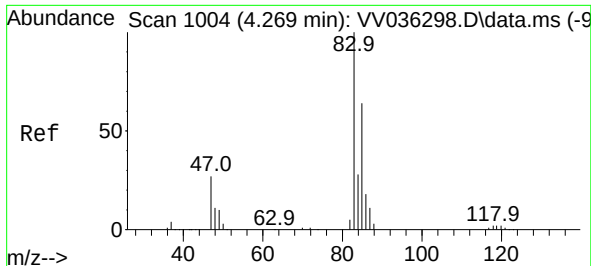
Tgt Ion: 43 Resp: 201327
Ion Ratio Lower Upper
43 100
72 27.7 12.9 38.7



#23
Bromochloromethane
Concen: 47.967 ug/L
RT: 4.140 min Scan# 964
Delta R.T. -0.003 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

Tgt Ion:128 Resp: 161507
Ion Ratio Lower Upper
128 100
49 142.1 99.2 184.2
130 129.0 88.9 165.1
51 46.5 38.8 58.2





#25

Chloroform

Concen: 47.205 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. -0.000 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

Instrument :

MSVOA_V

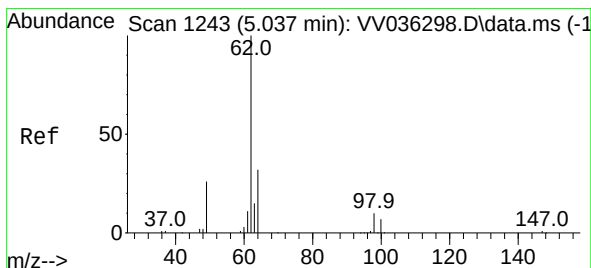
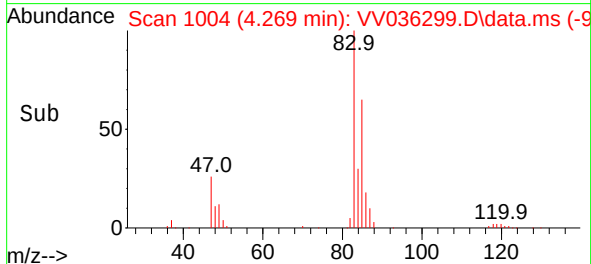
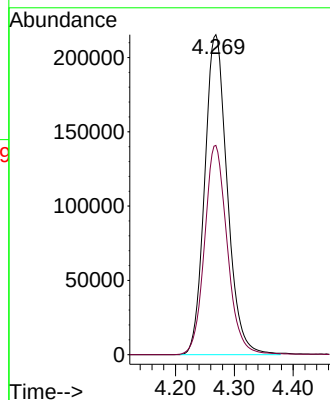
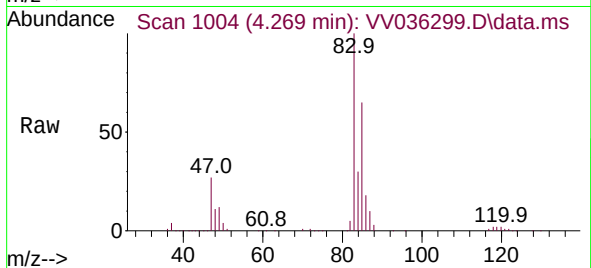
ClientSampleId :

Tgt Ion: 83 Resp: 574735

Ion Ratio Lower Upper

83 100

85 65.4 45.0 83.6



#27

1,2-Dichloroethane

Concen: 48.607 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VV036299.D

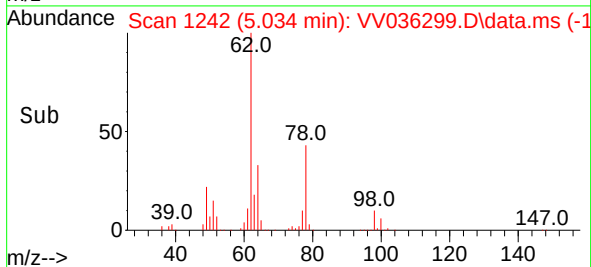
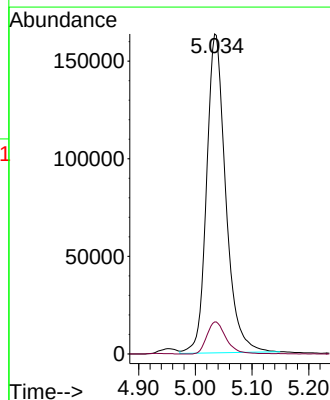
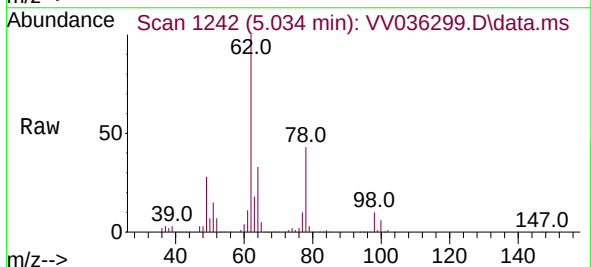
Acq: 27 Jun 2024 09:15

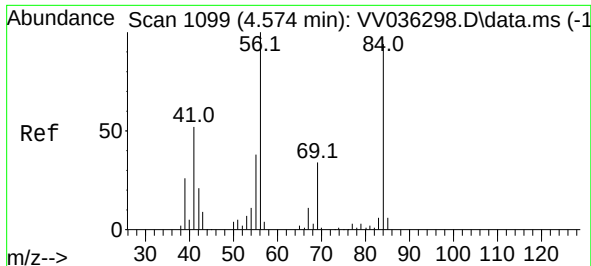
Tgt Ion: 62 Resp: 383205

Ion Ratio Lower Upper

62 100

98 10.0 7.8 11.8





#29

Cyclohexane

Concen: 51.052 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. -0.000 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :

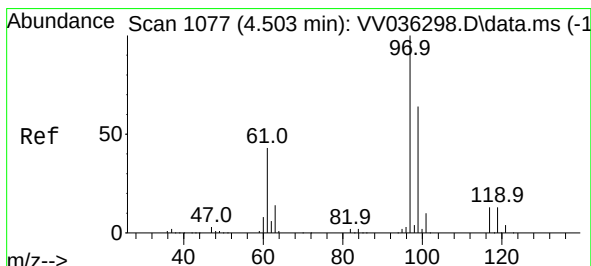
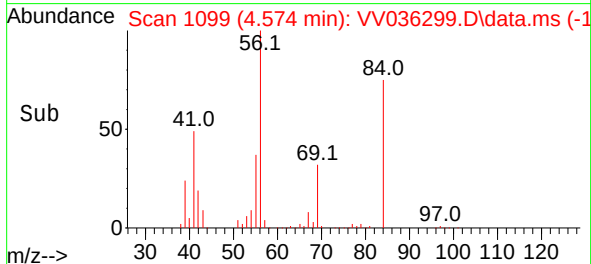
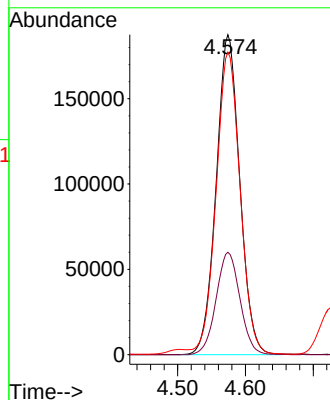
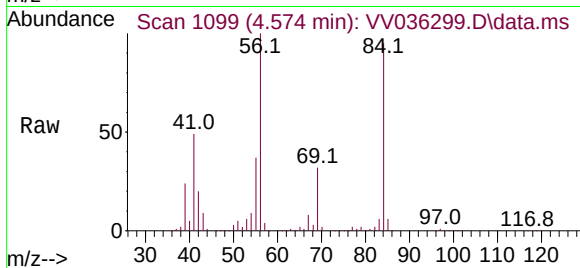
Tgt Ion: 56 Resp: 454175

Ion Ratio Lower Upper

56 100

69 32.3 26.0 39.0

84 95.7 77.4 116.0



#30

1,1,1-Trichloroethane

Concen: 46.789 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

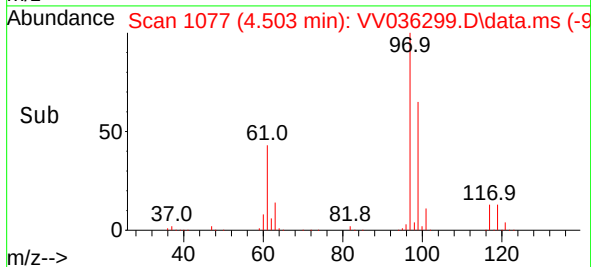
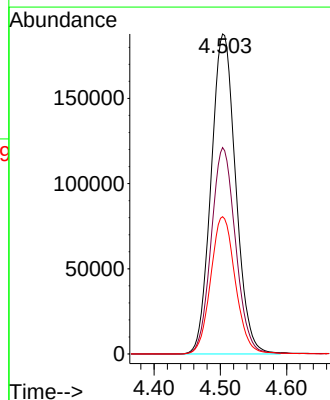
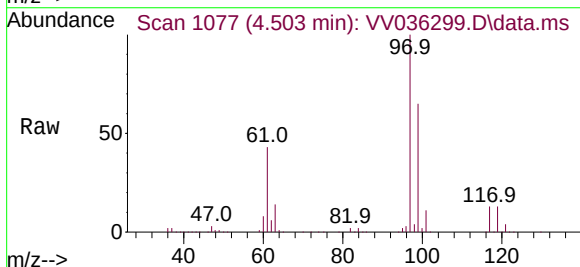
Tgt Ion: 97 Resp: 484448

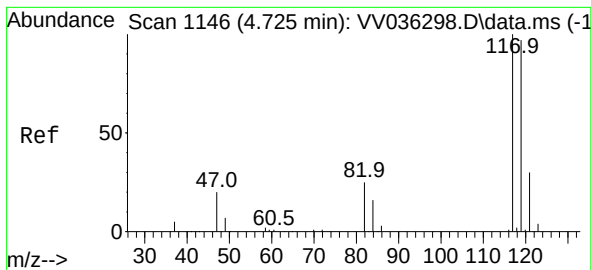
Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.0

61 42.9 34.8 52.2





#31

Carbon tetrachloride

Concen: 46.608 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

Instrument :

MSVOA_V

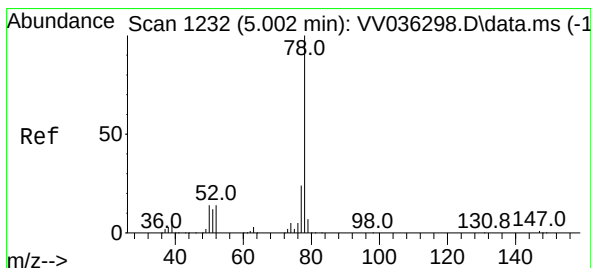
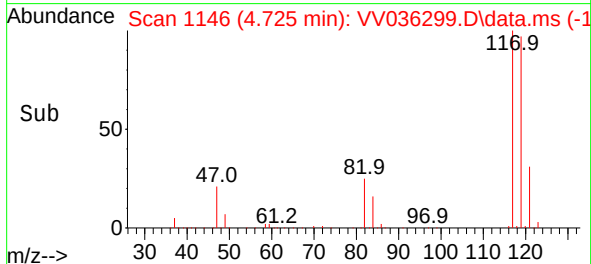
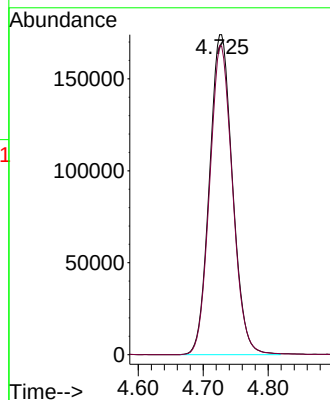
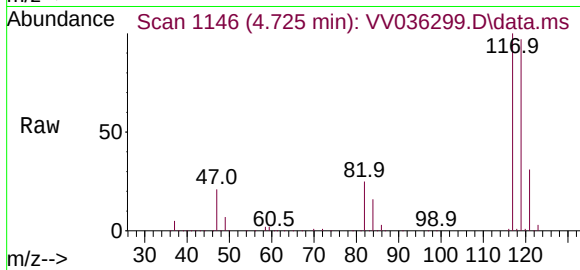
ClientSampleId :

Tgt Ion:117 Resp: 429978

Ion Ratio Lower Upper

117 100

119 95.9 77.2 115.8



#33

Benzene

Concen: 48.502 ug/L

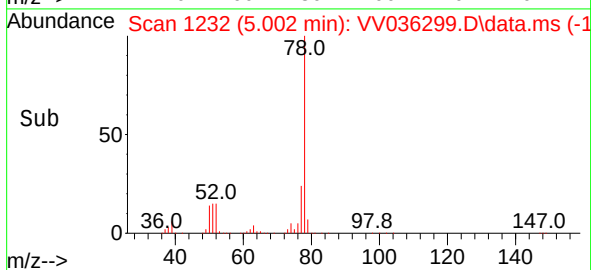
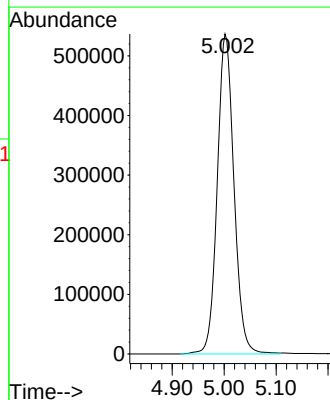
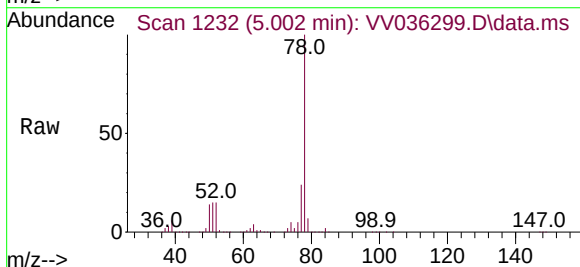
RT: 5.002 min Scan# 1232

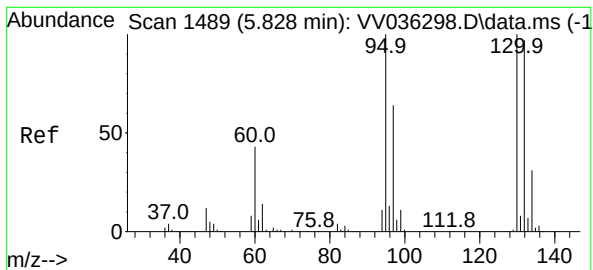
Delta R.T. -0.000 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

Tgt Ion: 78 Resp: 1199596





#34

Trichloroethene

Concen: 47.803 ug/L

RT: 5.825 min Scan# 1489

Delta R.T. -0.003 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 373094

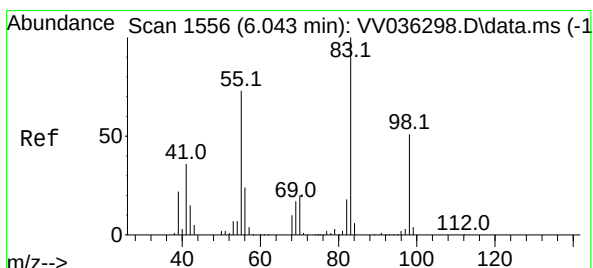
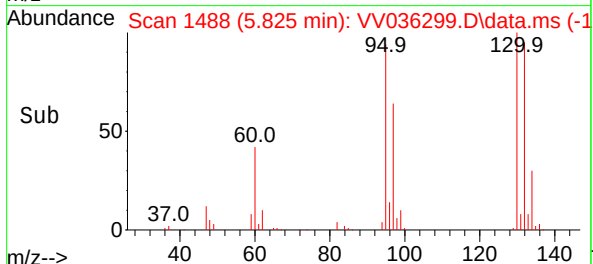
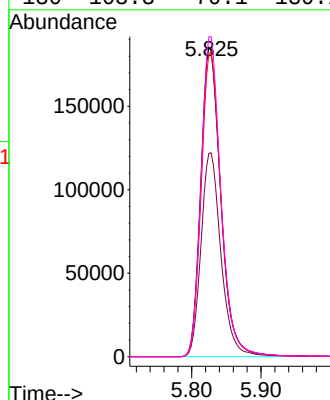
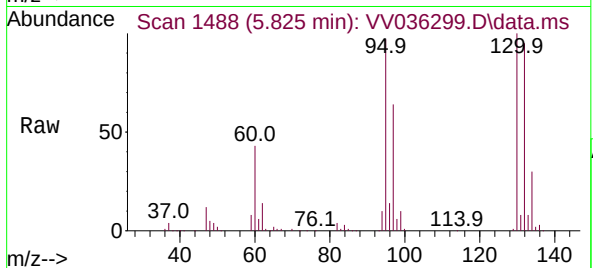
Ion Ratio Lower Upper

95 100

97 65.7 45.1 83.7

132 97.9 67.7 125.7

130 103.3 70.1 130.1



#35

Methylcyclohexane

Concen: 51.194 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

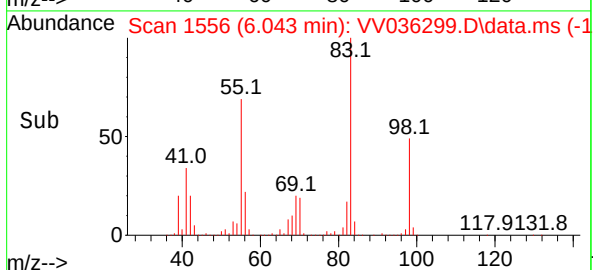
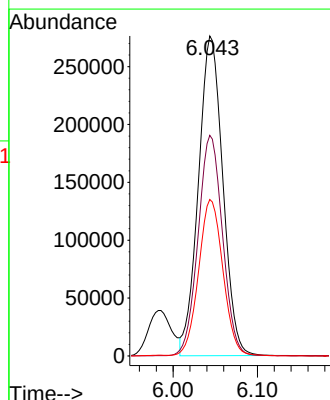
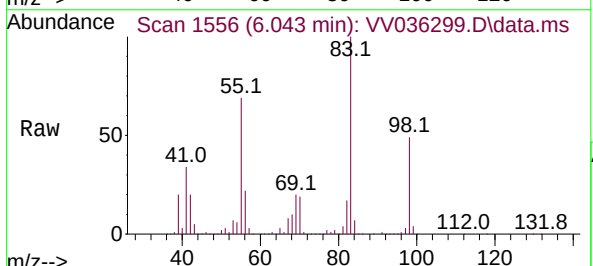
Tgt Ion: 83 Resp: 556834

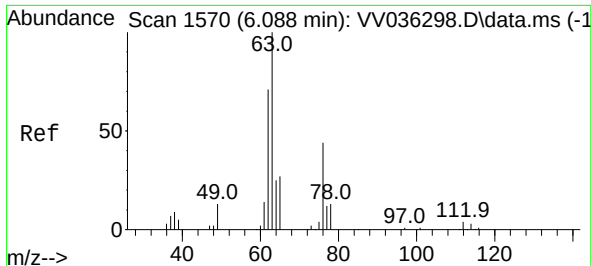
Ion Ratio Lower Upper

83 100

55 69.1 56.0 84.0

98 49.0 39.0 58.6

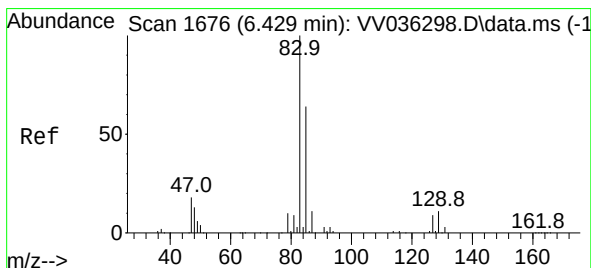
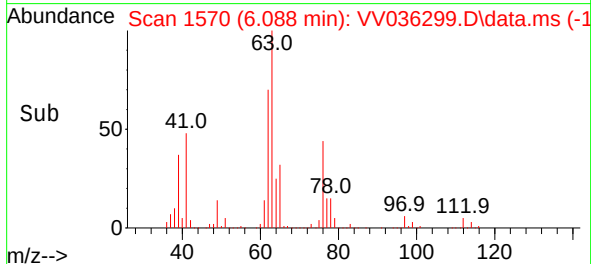
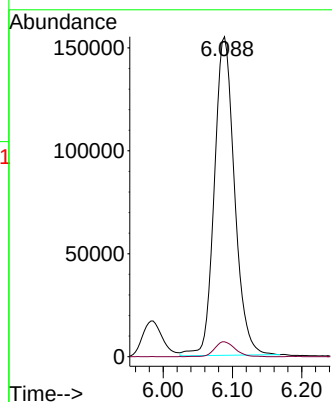
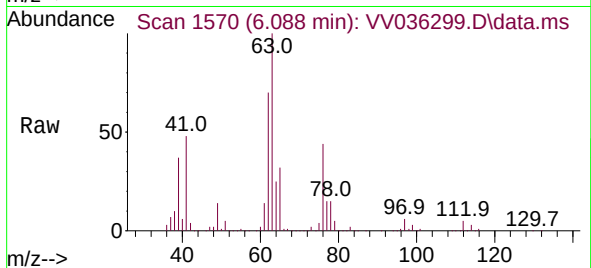




#37
1,2-Dichloropropane
Concen: 49.589 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

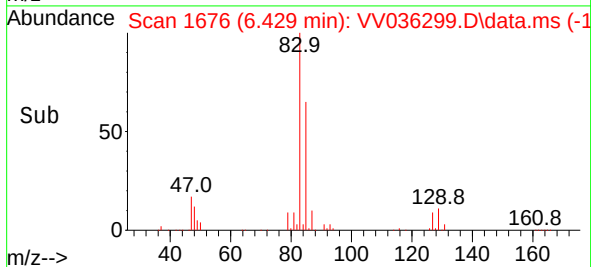
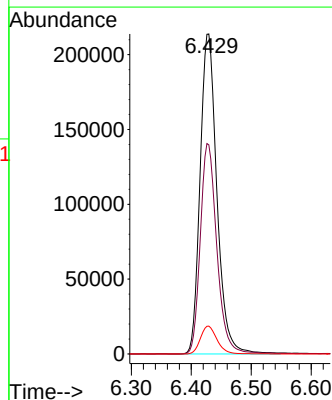
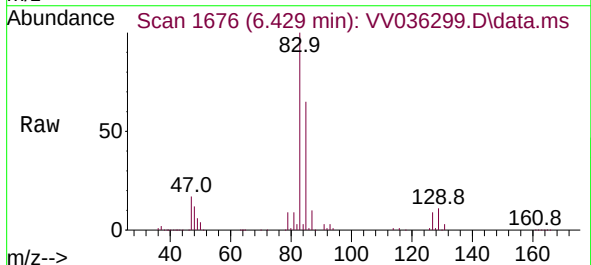
Instrument :
MSVOA_V
ClientSampleId :

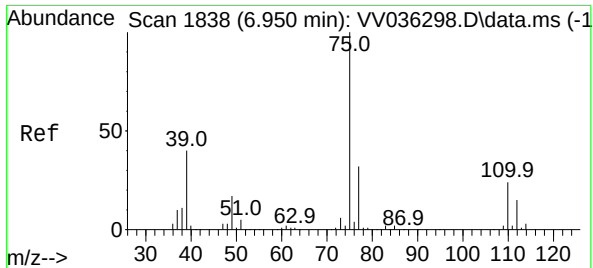
Tgt Ion: 63 Resp: 313236
Ion Ratio Lower Upper
63 100
112 4.7 3.4 5.2



#38
Bromodichloromethane
Concen: 48.416 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

Tgt Ion: 83 Resp: 418286
Ion Ratio Lower Upper
83 100
85 65.4 44.9 83.5
127 8.7 7.0 10.6

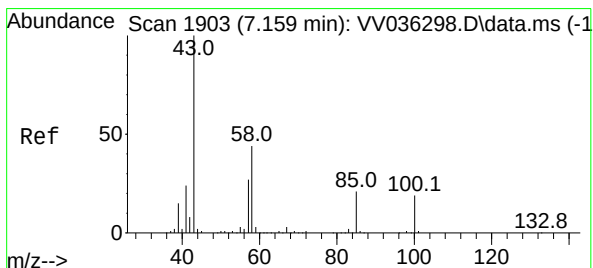
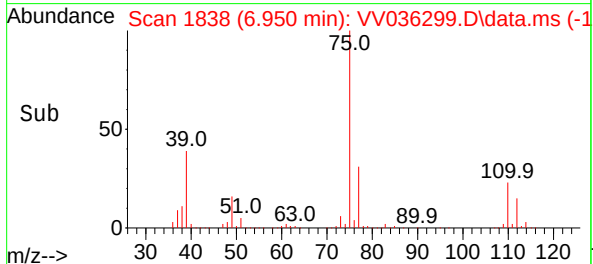
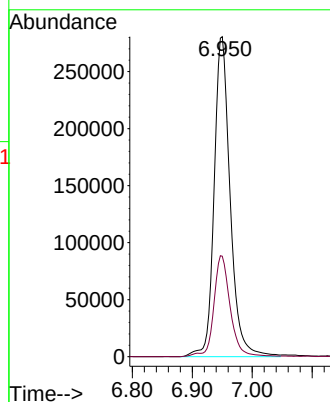
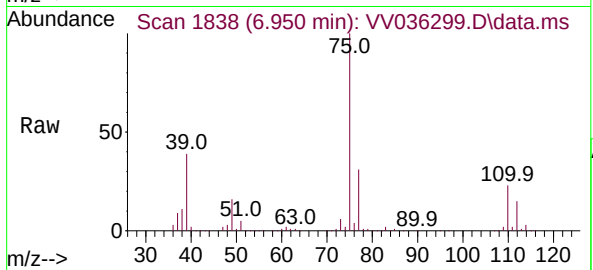




#39
 cis-1,3-Dichloropropene
 Concen: 53.718 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. -0.000 min
 Lab File: VV036299.D
 Acq: 27 Jun 2024 09:15

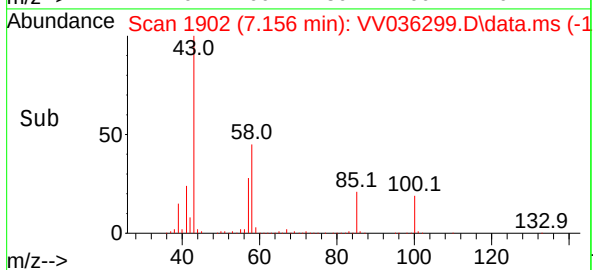
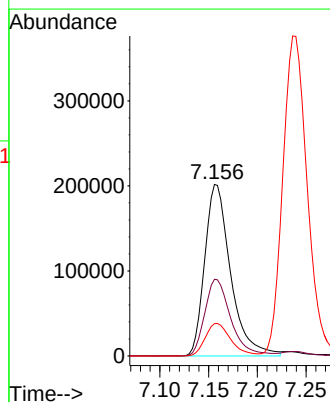
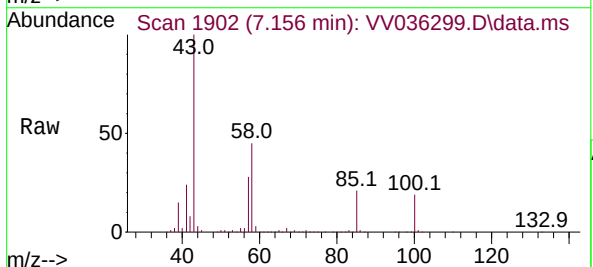
Instrument :
 MSVOA_V
 ClientSampleId :

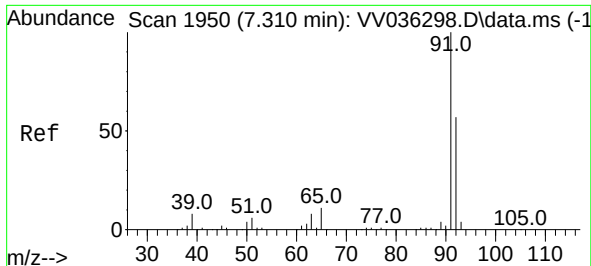
Tgt Ion: 75 Resp: 521775
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 105.010 ug/L
 RT: 7.156 min Scan# 1902
 Delta R.T. -0.003 min
 Lab File: VV036299.D
 Acq: 27 Jun 2024 09:15

Tgt Ion: 43 Resp: 373001
 Ion Ratio Lower Upper
 43 100
 58 44.9 34.8 52.2
 100 18.7 14.6 21.8

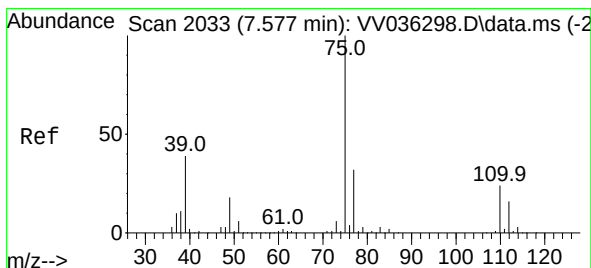
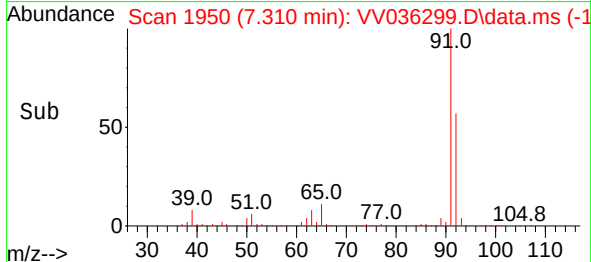
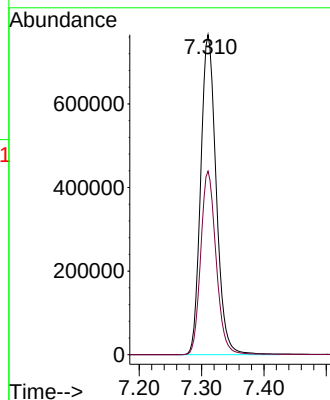
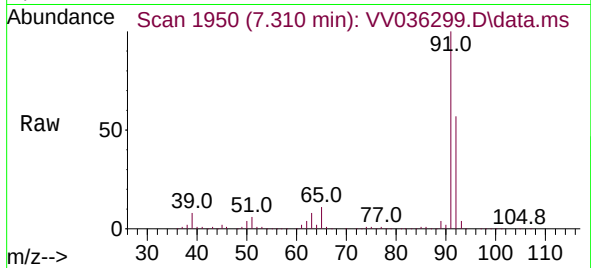




#42
Toluene
Concen: 51.113 ug/L
RT: 7.310 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

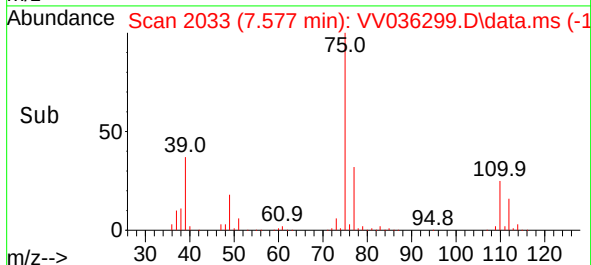
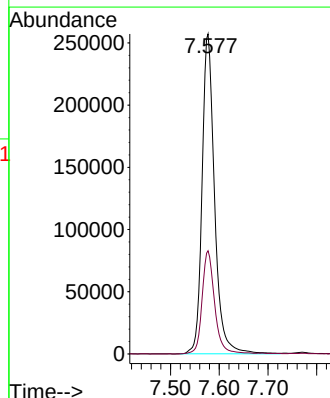
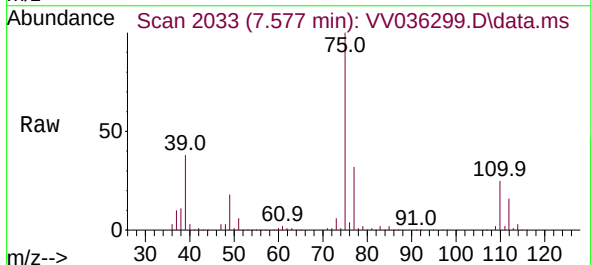
Instrument :
MSVOA_V
ClientSampleId :

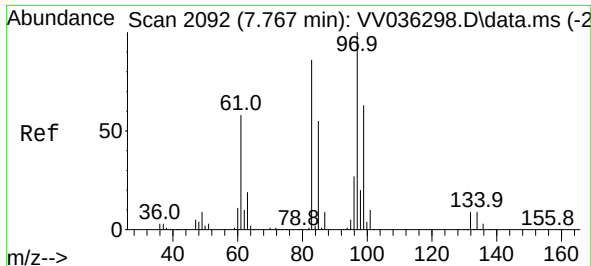
Tgt Ion: 91 Resp: 1321848
Ion Ratio Lower Upper
91 100
92 57.3 39.8 73.8



#44
trans-1,3-Dichloropropene
Concen: 52.587 ug/L
RT: 7.577 min Scan# 2033
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

Tgt Ion: 75 Resp: 459415
Ion Ratio Lower Upper
75 100
77 32.3 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 48.410 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. -0.003 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 270280

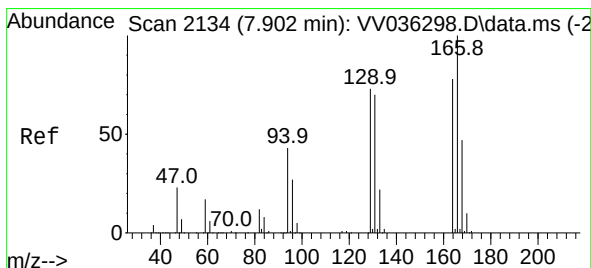
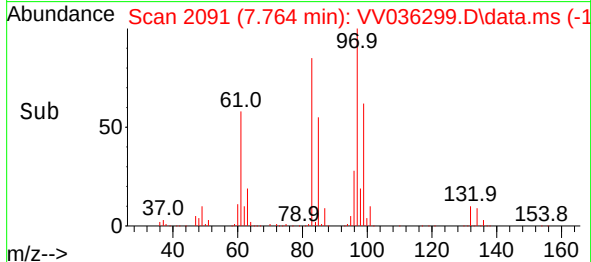
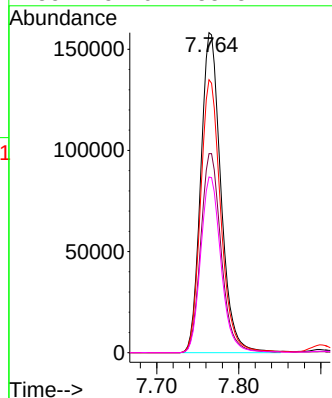
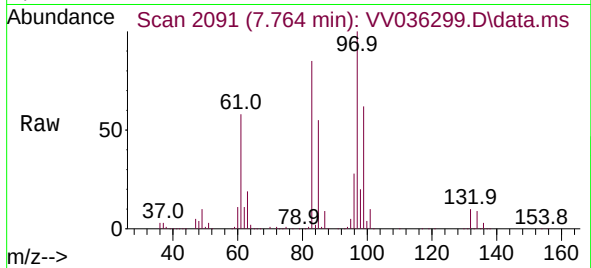
Ion Ratio Lower Upper

97 100

99 62.2 43.8 81.3

83 85.3 60.6 112.6

85 54.9 38.8 72.0



#46

Tetrachloroethene

Concen: 47.390 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.000 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

Tgt Ion:164 Resp: 268804

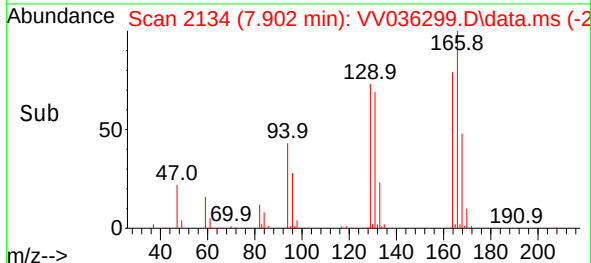
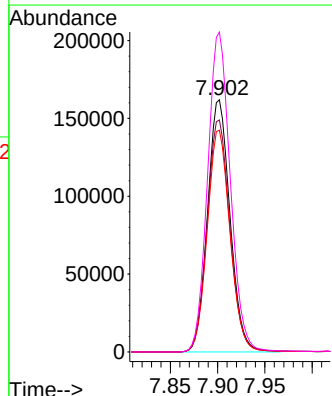
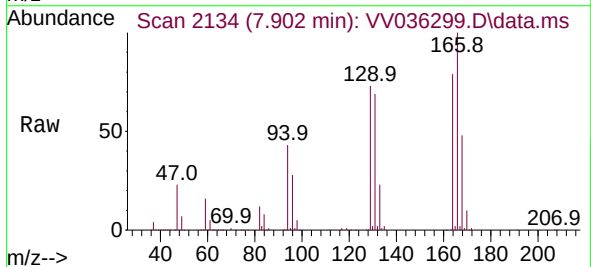
Ion Ratio Lower Upper

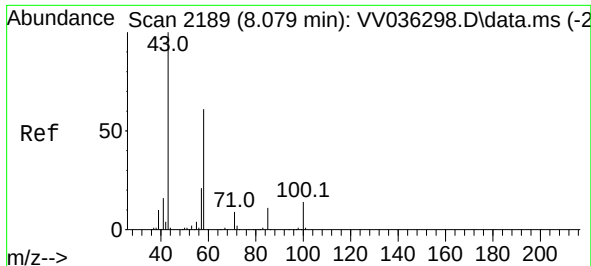
164 100

129 92.0 65.9 122.5

131 87.9 63.3 117.7

166 126.9 90.3 167.7





#48

2-Hexanone

Concen: 104.942 ug/L

RT: 8.075 min Scan# 2189

Delta R.T. -0.003 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 296074

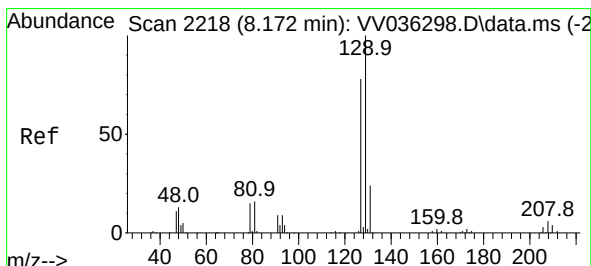
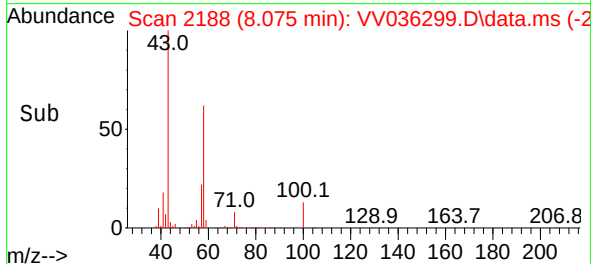
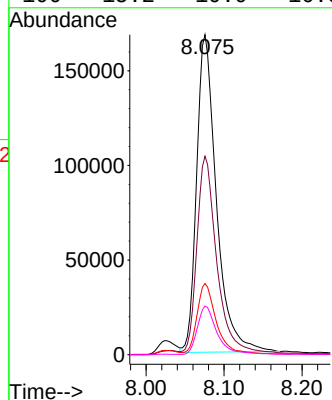
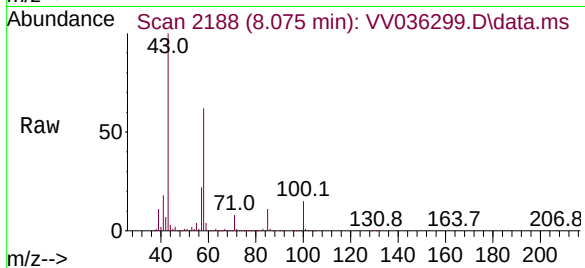
Ion Ratio Lower Upper

43 100

58 62.7 48.5 72.7

57 21.8 15.8 23.6

100 15.2 10.9 16.3



#49

Dibromochloromethane

Concen: 49.106 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.000 min

Lab File: VV036299.D

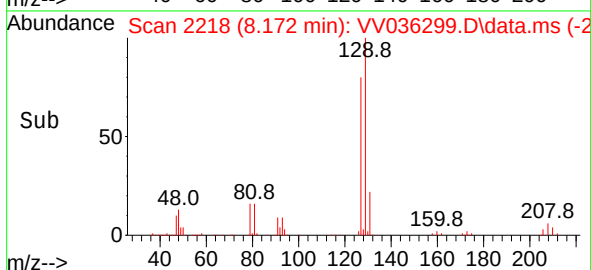
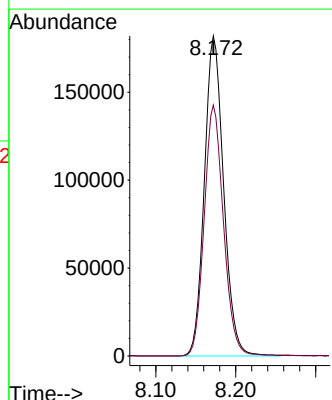
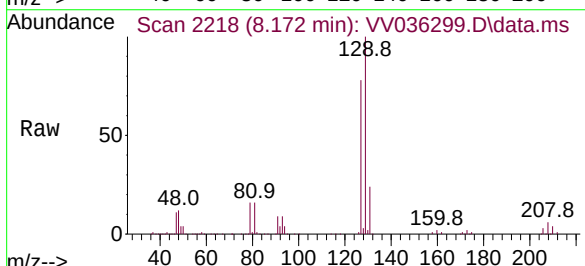
Acq: 27 Jun 2024 09:15

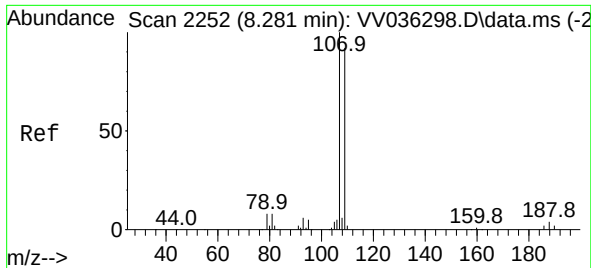
Tgt Ion:129 Resp: 305632

Ion Ratio Lower Upper

129 100

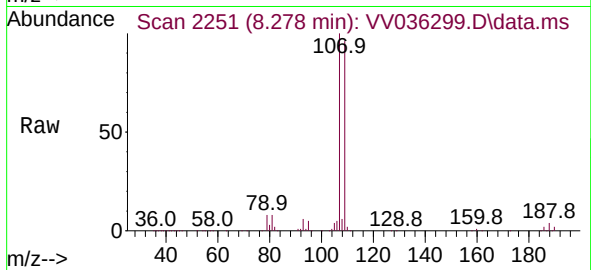
127 78.4 54.9 101.9



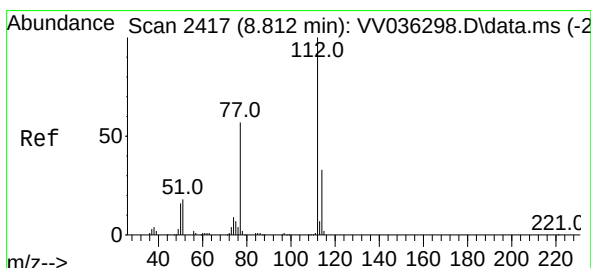
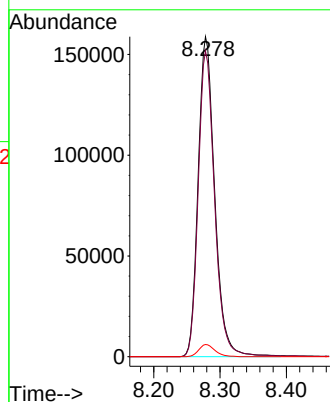
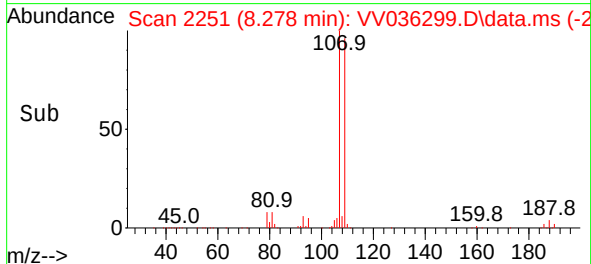


#50
1,2-Dibromoethane
Concen: 50.146 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

Instrument :
MSVOA_V
ClientSampleId :

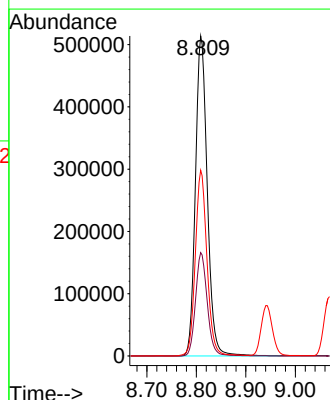
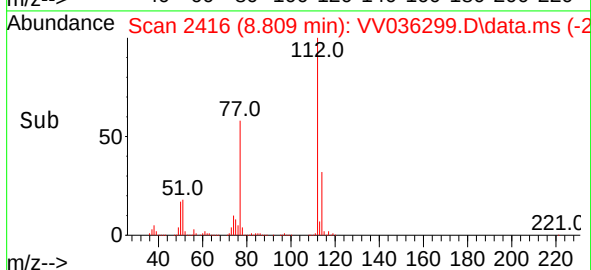
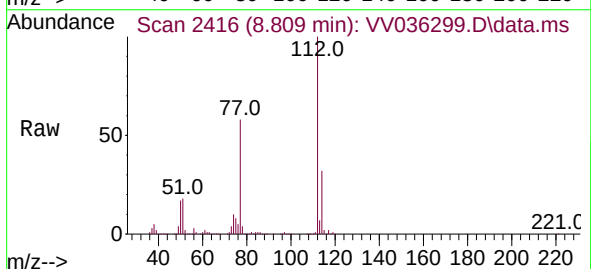


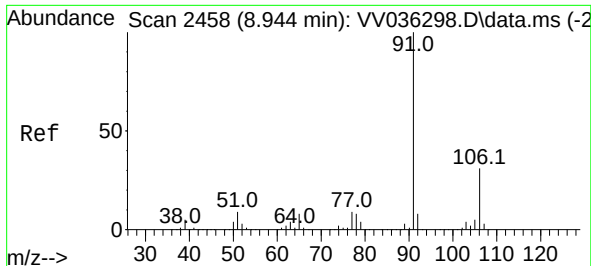
Tgt Ion:107 Resp: 275814
Ion Ratio Lower Upper
107 100
109 95.5 64.7 120.1
188 3.8 3.0 4.6



#51
Chlorobenzene
Concen: 48.630 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. -0.003 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

Tgt Ion:112 Resp: 859679
Ion Ratio Lower Upper
112 100
114 32.3 22.8 42.4
77 58.0 46.2 69.2

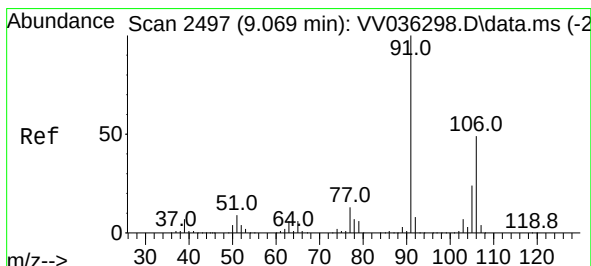
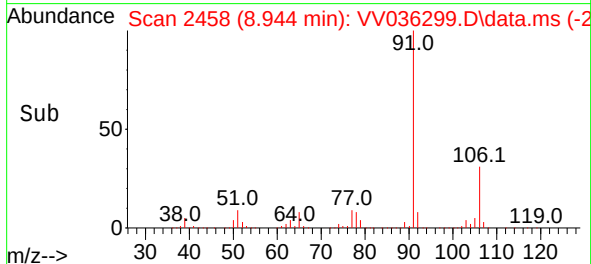
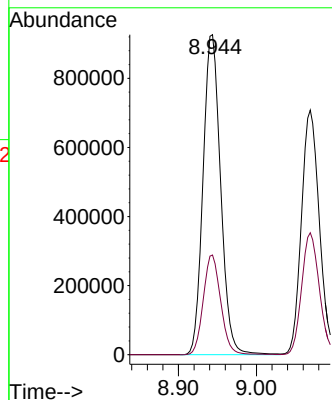
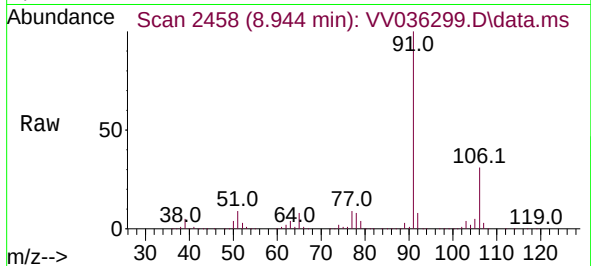




#52
Ethylbenzene
Concen: 52.088 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

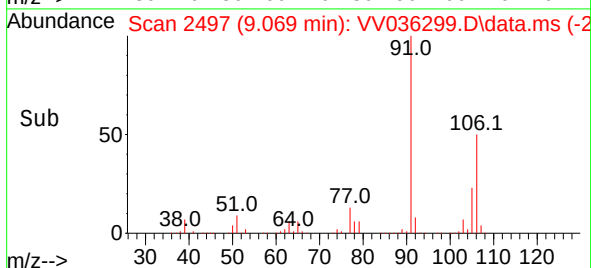
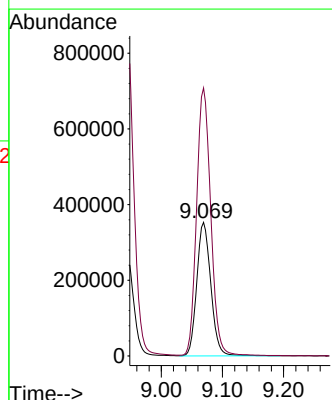
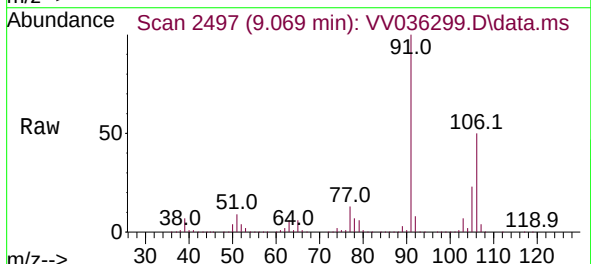
Instrument :
MSVOA_V
ClientSampleId :

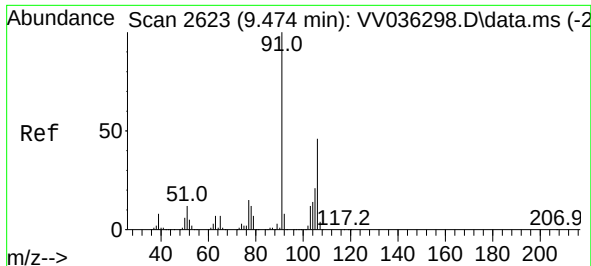
Tgt Ion: 91 Resp: 1453689
Ion Ratio Lower Upper
91 100
106 31.1 21.8 40.4



#53
m,p-Xylene
Concen: 54.045 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

Tgt Ion:106 Resp: 562140
Ion Ratio Lower Upper
106 100
91 200.6 142.2 264.0

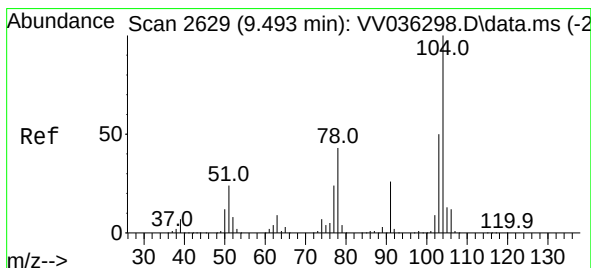
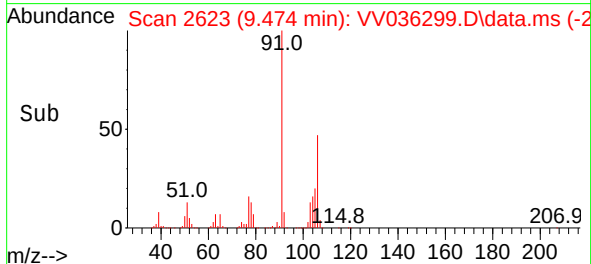
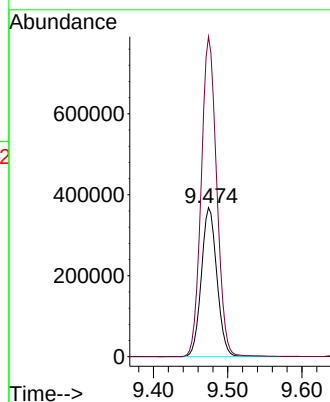
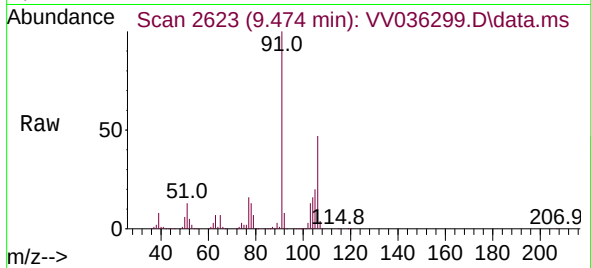




#54
o-Xylene
Concen: 54.675 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

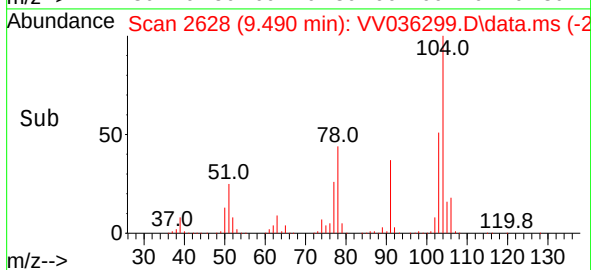
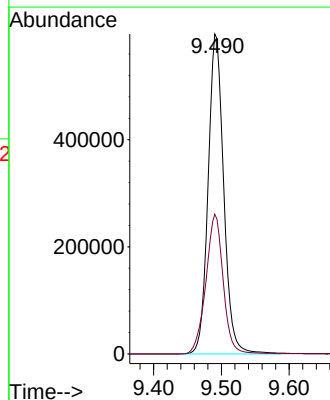
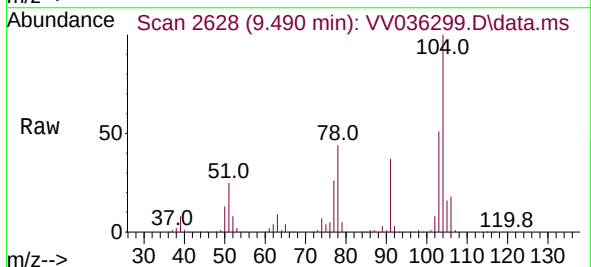
Instrument :
MSVOA_V
ClientSampleId :

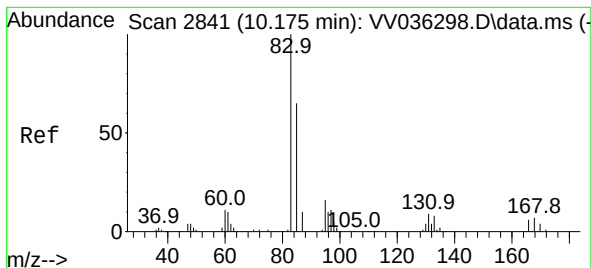
Tgt Ion:106 Resp: 534796
Ion Ratio Lower Upper
106 100
91 214.6 152.7 283.7



#55
Styrene
Concen: 55.761 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. -0.003 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

Tgt Ion:104 Resp: 955895
Ion Ratio Lower Upper
104 100
78 43.7 30.2 56.2

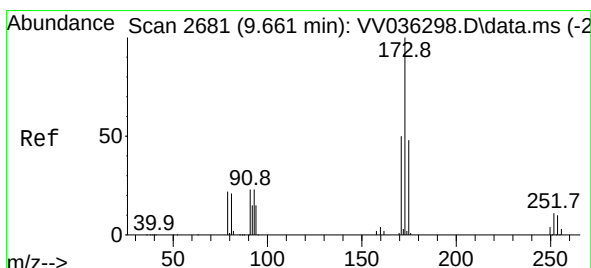
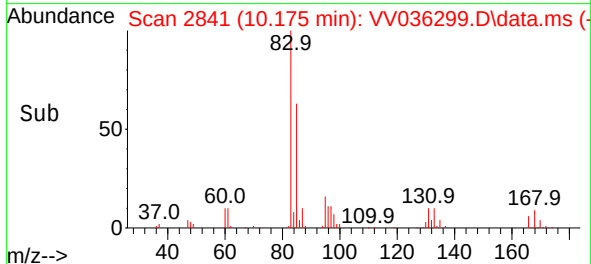
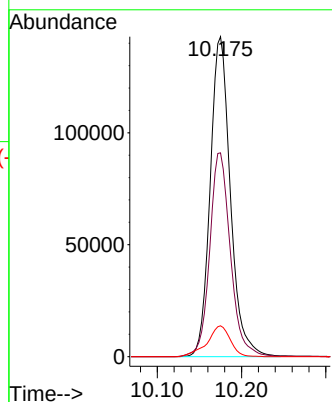
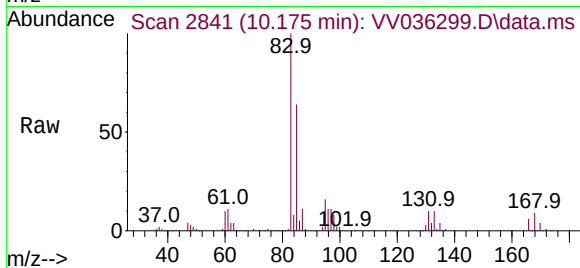




#57
1,1,2,2-Tetrachloroethane
Concen: 47.642 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

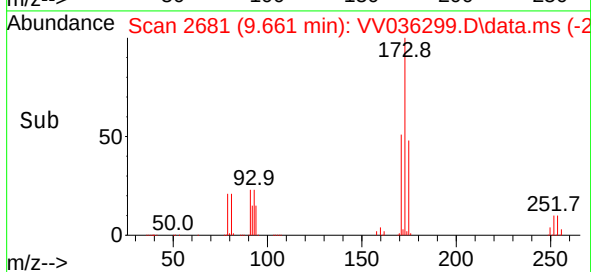
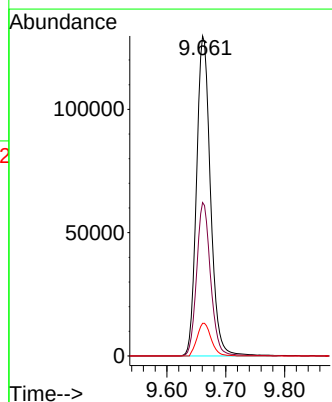
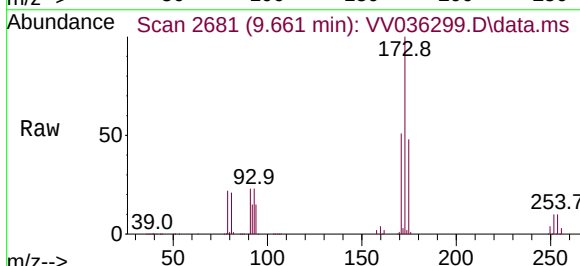
Instrument :
MSVOA_V
ClientSampleId :

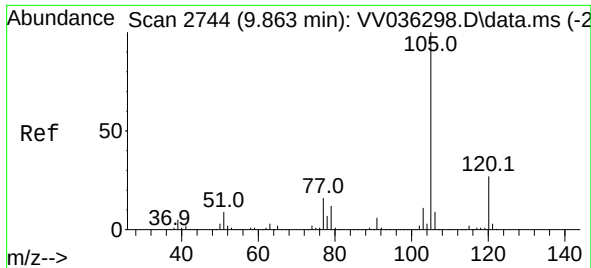
Tgt Ion: 83 Resp: 238066
Ion Ratio Lower Upper
83 100
85 63.7 45.7 84.9
131 9.7 7.8 11.6



#59
Bromoform
Concen: 47.883 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

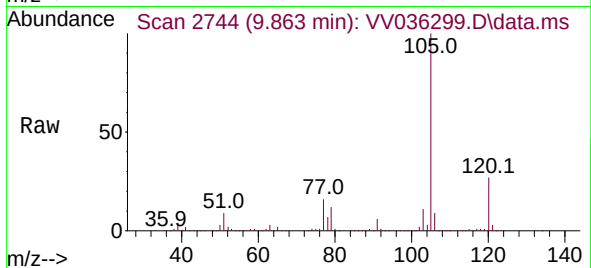
Tgt Ion: 173 Resp: 213587
Ion Ratio Lower Upper
173 100
175 47.8 38.9 58.3
254 10.3 7.2 10.8



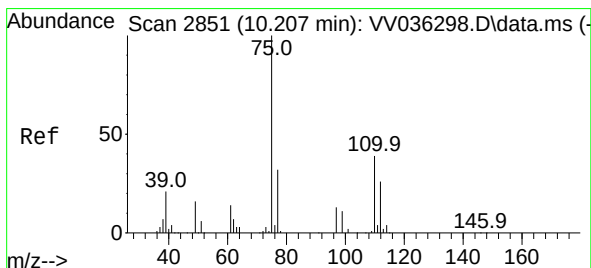
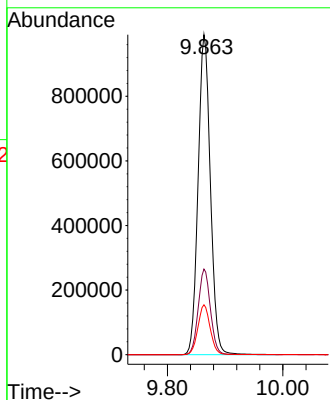
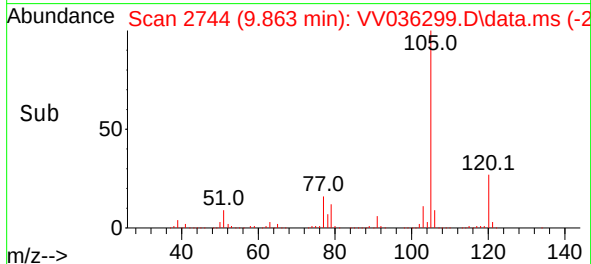


#60
Isopropylbenzene
Concen: 51.329 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

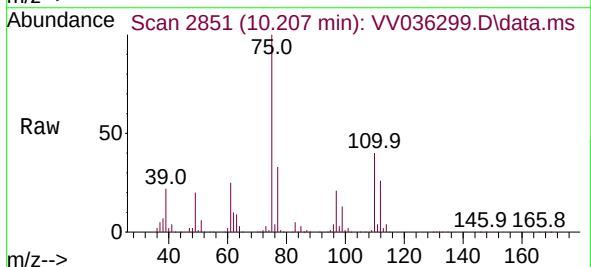
Instrument :
MSVOA_V
ClientSampleId :



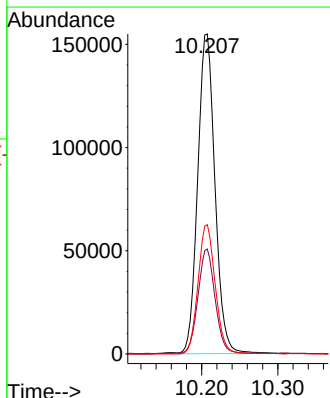
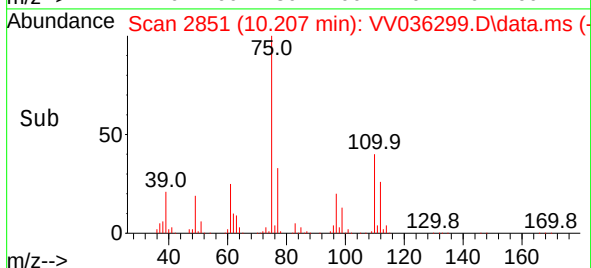
Tgt Ion:105 Resp: 1462103
Ion Ratio Lower Upper
105 100
120 26.6 21.2 31.8
77 15.6 12.5 18.7

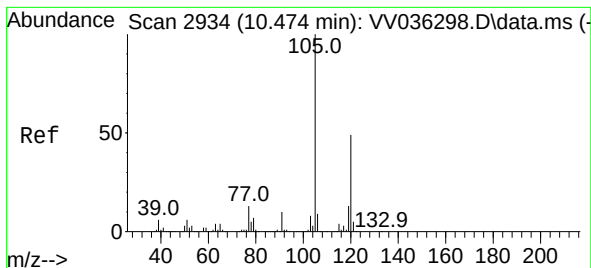


#61
1,2,3-Trichloropropane
Concen: 45.950 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15



Tgt Ion: 75 Resp: 244353
Ion Ratio Lower Upper
75 100
77 32.2 25.2 37.8
110 40.4 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 53.935 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

Instrument :

MSVOA_V

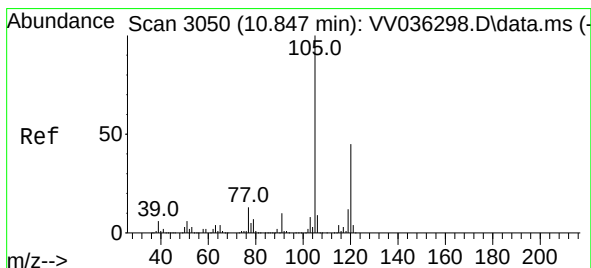
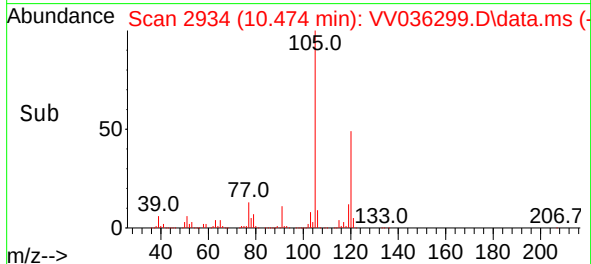
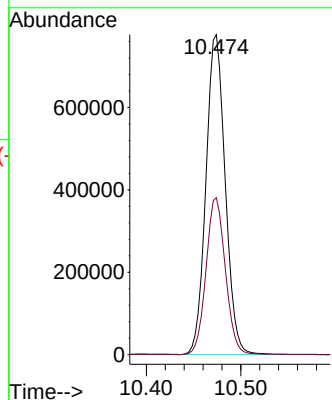
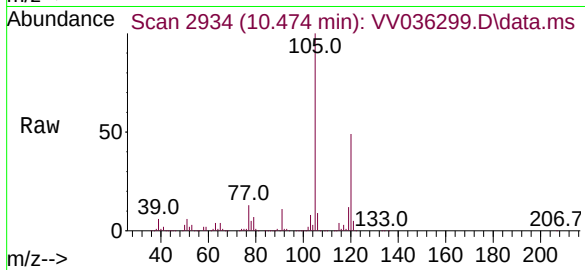
ClientSampleId :

Tgt Ion:105 Resp: 1099466

Ion Ratio Lower Upper

105 100

120 49.3 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 54.246 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.000 min

Lab File: VV036299.D

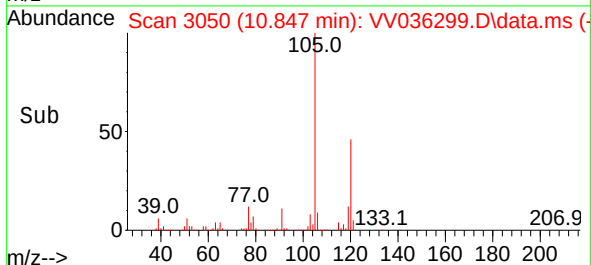
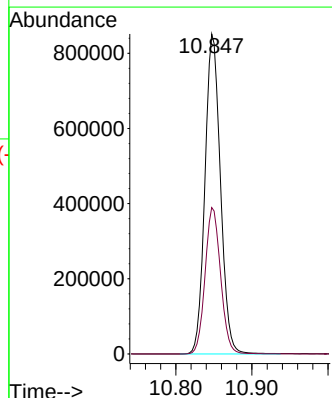
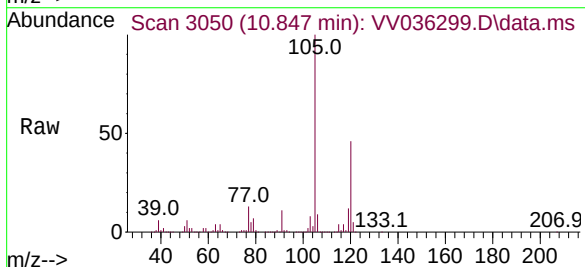
Acq: 27 Jun 2024 09:15

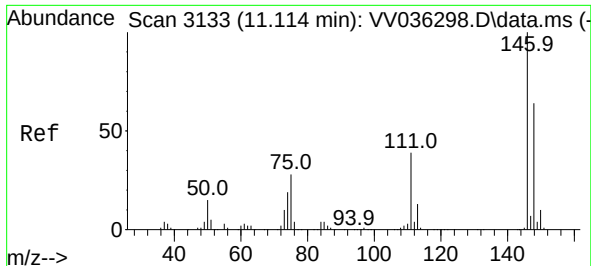
Tgt Ion:105 Resp: 1201676

Ion Ratio Lower Upper

105 100

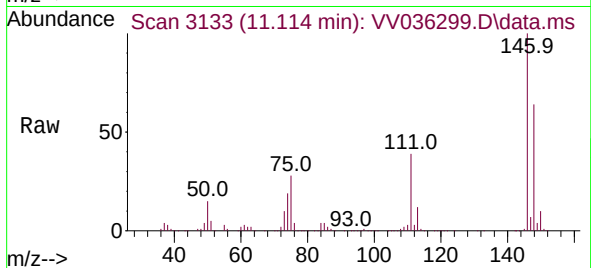
120 45.9 36.2 54.4



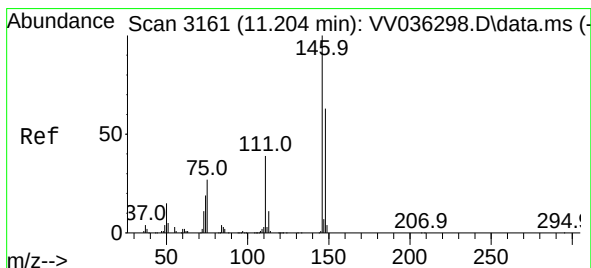
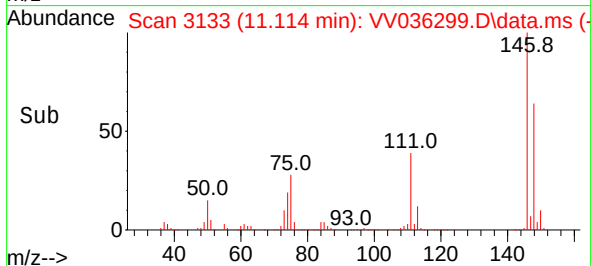
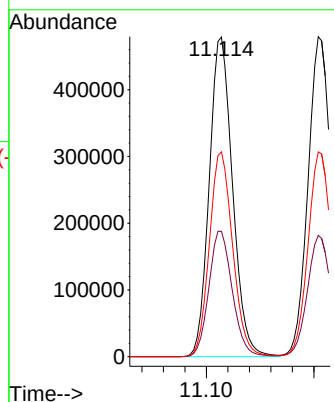


#64
1,3-Dichlorobenzene
Concen: 48.515 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

Instrument :
MSVOA_V
ClientSampleId :

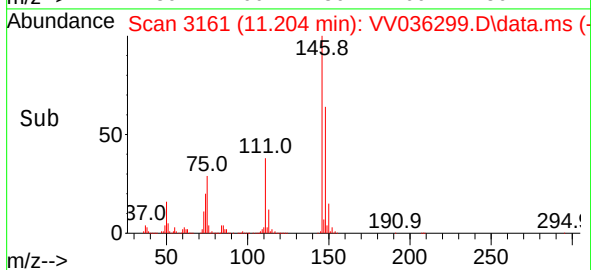
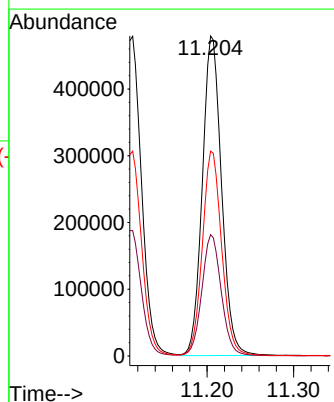
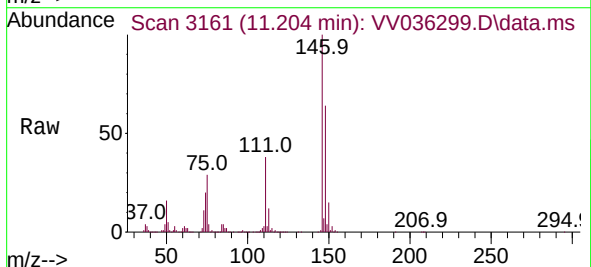


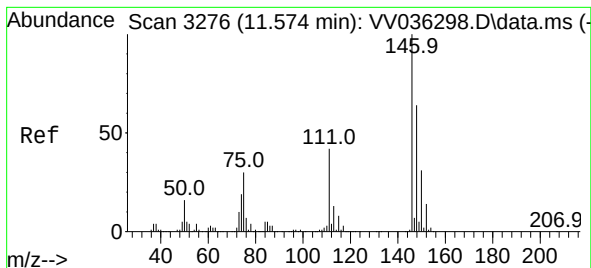
Tgt Ion:146 Resp: 720099
Ion Ratio Lower Upper
146 100
111 39.2 27.5 51.1
148 64.1 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 46.438 ug/L
RT: 11.204 min Scan# 3161
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

Tgt Ion:146 Resp: 738851
Ion Ratio Lower Upper
146 100
111 37.9 27.5 51.1
148 64.0 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 48.403 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. -0.000 min

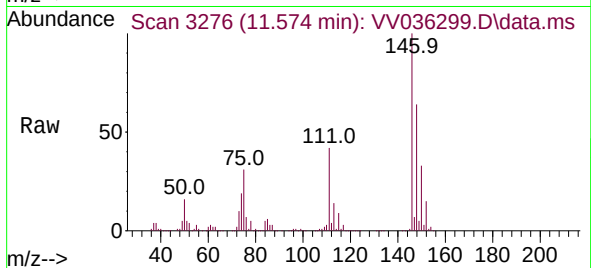
Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :



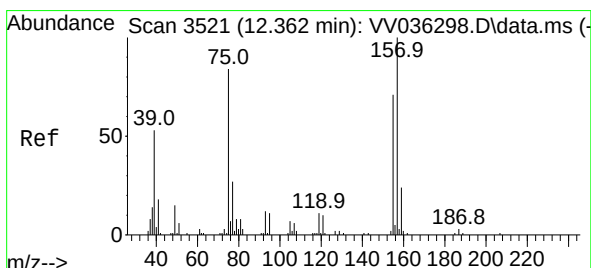
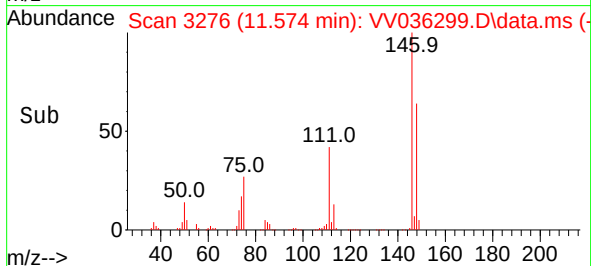
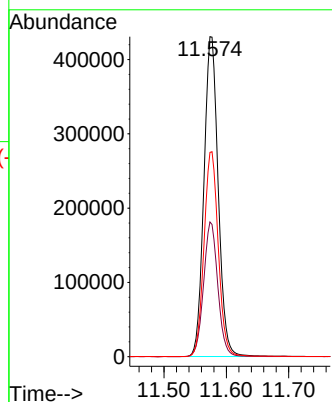
Tgt Ion:146 Resp: 685872

Ion Ratio Lower Upper

146 100

111 42.1 33.3 49.9

148 63.8 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 47.446 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

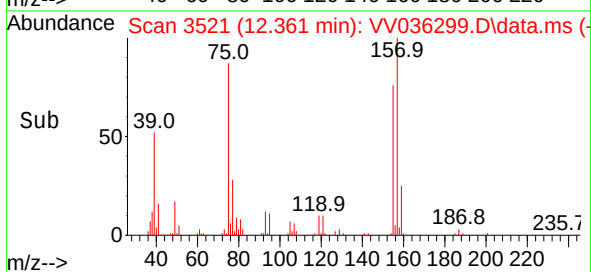
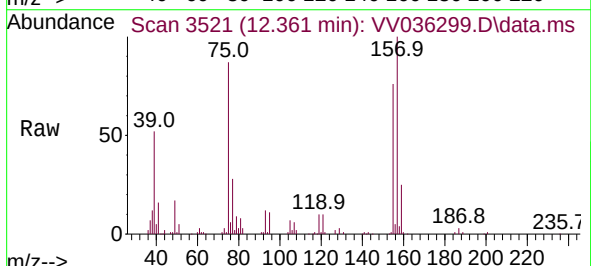
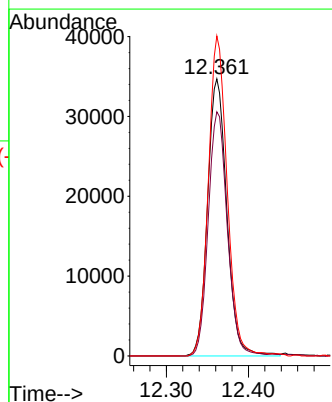
Tgt Ion: 75 Resp: 56605

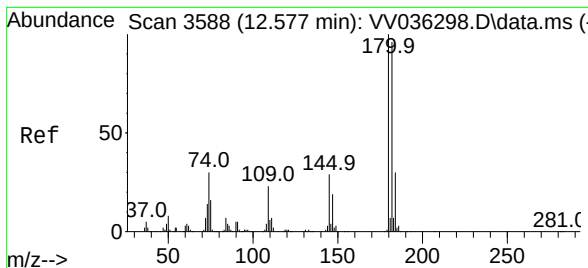
Ion Ratio Lower Upper

75 100

155 88.1 68.3 102.5

157 115.5 95.7 143.5





#69

1,3,5-Trichlorobenzene

Concen: 49.270 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.000 min

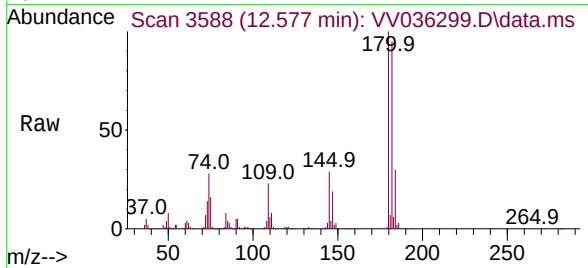
Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 550662

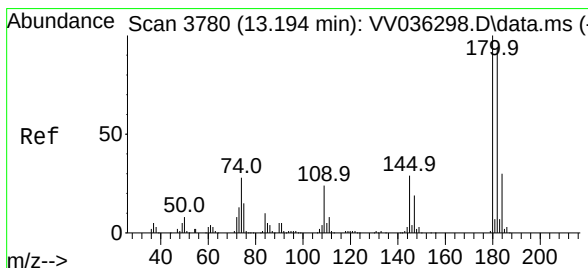
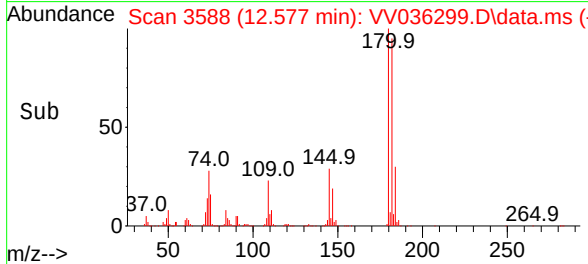
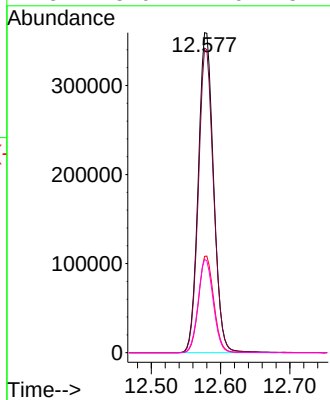
Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.4

184 29.9 23.3 34.9

145 28.9 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 52.114 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV036299.D

Acq: 27 Jun 2024 09:15

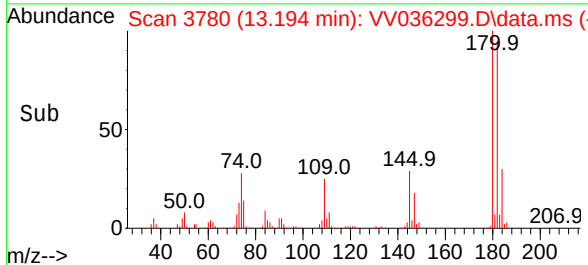
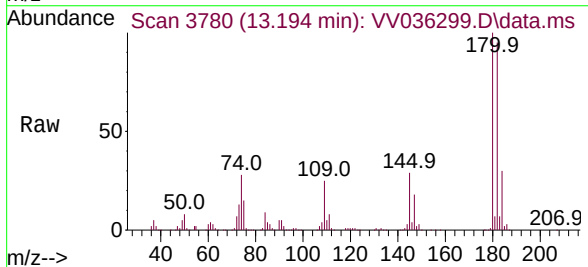
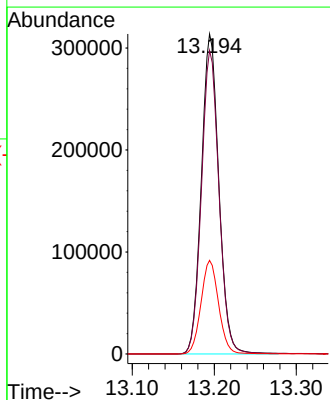
Tgt Ion:180 Resp: 464471

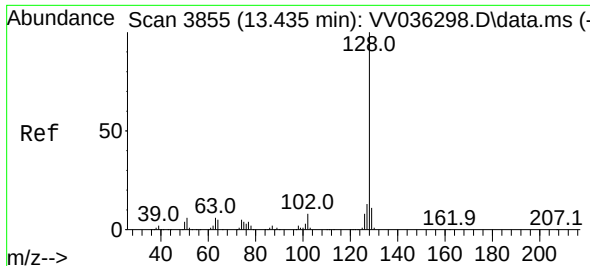
Ion Ratio Lower Upper

180 100

182 95.2 76.1 114.1

145 29.4 23.8 35.8

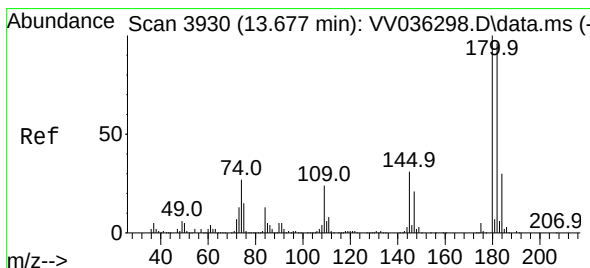
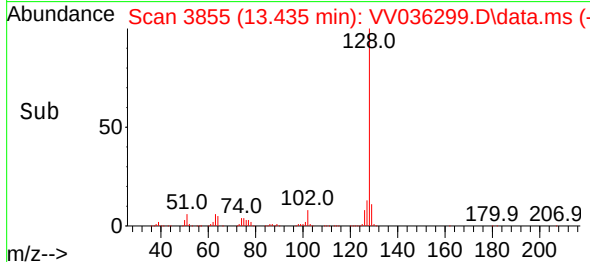
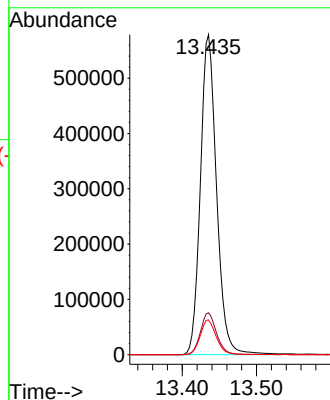
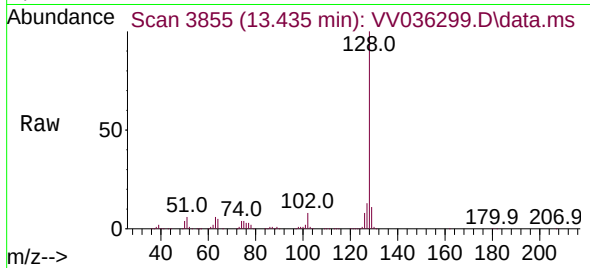




#71
Naphthalene
Concen: 55.132 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 876106
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 51.603 ug/L
RT: 13.677 min Scan# 3930
Delta R.T. -0.000 min
Lab File: VV036299.D
Acq: 27 Jun 2024 09:15

Tgt Ion:180 Resp: 432480
Ion Ratio Lower Upper
180 100
182 95.4 76.7 115.1
145 31.3 25.0 37.4

