

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081924\
 Data File : VV036978.D
 Acq On : 19 Aug 2024 15:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 20 04:45:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 20 04:42:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	618817	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	611607	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	316188	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	193501	39.150	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.300%
7) Chloroethane-d5	1.529	69	169390	43.459	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.920%
11) 1,1-Dichloroethene-d2	2.056	65	90500	42.806	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.620%
21) 2-Butanone-d5	3.789	46	253960	96.978	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.980%
24) Chloroform-d	4.243	84	429642	48.440	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.880%
26) 1,2-Dichloroethane-d4	4.934	65	261163	45.796	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.600%
32) Benzene-d6	4.950	84	799466	43.278	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.560%
36) 1,2-Dichloropropane-d6	5.982	67	271386	45.538	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.080%
41) Toluene-d8	7.236	98	709450	41.867	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.740%
43) trans-1,3-Dichloroprop...	7.548	79	124706	40.208	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.420%
47) 2-Hexanone-d5	8.021	63	176448	102.972	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.970%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	347888	50.840	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.680%
66) 1,2-Dichlorobenzene-d4	11.554	152	281950	43.760	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	248102	50.282	ug/L	99
3) Chloromethane	1.217	50	272388	52.750	ug/L	100
5) Vinyl chloride	1.281	62	278607	52.539	ug/L	100
6) Bromomethane	1.484	94	173423	51.943	ug/L	100
8) Chloroethane	1.548	64	177263	53.966	ug/L	98
9) Trichlorofluoromethane	1.712	101	373268	53.739	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	216619	52.926	ug/L	99
12) 1,1-Dichloroethene	2.066	96	208287	53.284	ug/L	97
13) Acetone	2.111	43	178909	81.655	ug/L	98
14) Carbon disulfide	2.236	76	559478	45.563	ug/L	100
15) Methyl Acetate	2.368	43	233401	51.710	ug/L	97
16) Methylene chloride	2.442	84	242287	55.133	ug/L	100
17) trans-1,2-Dichloroethene	2.686	96	216631	53.502	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	753387	52.830	ug/L	100
19) 1,1-Dichloroethane	3.101	63	448339	54.806	ug/L	99
20) cis-1,2-Dichloroethene	3.802	96	252455	53.121	ug/L	97
22) 2-Butanone	3.873	43	265009	90.287	ug/L	100
23) Bromochloromethane	4.137	128	120647	52.261	ug/L	96
25) Chloroform	4.265	83	452898	53.903	ug/L	98

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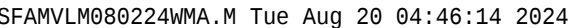
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 ClientSampleId :

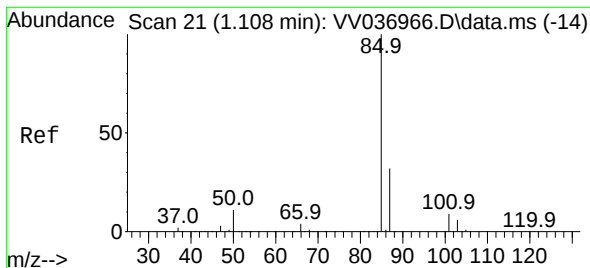
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 Quant Title : VOC Analysis
 QLast Update : Tue Aug 20 04:42:25 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	348912	52.645	ug/L	100
29) Cyclohexane	4.567	56	352403	45.223	ug/L	97
30) 1,1,1-Trichloroethane	4.500	97	379414	49.239	ug/L	100
31) Carbon tetrachloride	4.722	117	315425	48.743	ug/L	99
33) Benzene	4.998	78	938318	51.293	ug/L	100
34) Trichloroethene	5.825	95	244271	46.074	ug/L	96
35) Methylcyclohexane	6.040	83	352014	43.270	ug/L	99
37) 1,2-Dichloropropane	6.085	63	259969	53.646	ug/L	100
38) Bromodichloromethane	6.426	83	338485	50.722	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	404065	48.686	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	564775	94.081	ug/L	99
42) Toluene	7.307	91	987969	50.705	ug/L	98
44) trans-1,3-Dichloropropene	7.574	75	360413	46.603	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	243300	51.843	ug/L	98
46) Tetrachloroethene	7.899	164	172919	49.725	ug/L	99
48) 2-Hexanone	8.072	43	393126	89.017	ug/L	98
49) Dibromochloromethane	8.169	129	244484	50.695	ug/L	100
50) 1,2-Dibromoethane	8.275	107	249857	51.314	ug/L	97
51) Chlorobenzene	8.808	112	641389	51.303	ug/L	99
52) Ethylbenzene	8.940	91	1111215	49.947	ug/L	99
53) m,p-Xylene	9.066	106	412001	49.543	ug/L	99
54) o-Xylene	9.471	106	404355	49.713	ug/L	96
55) Styrene	9.490	104	716766	51.422	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	362664	57.272	ug/L	99
59) Bromoform	9.657	173	162416	46.432	ug/L	97
60) Isopropylbenzene	9.860	105	1108138	48.140	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	273388	48.031	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	912348	47.606	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	915192	47.705	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	498452	50.354	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	497677	49.441	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	488529	50.532	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.358	75	70049	42.587	ug/L	95
69) 1,3,5-Trichlorobenzene	12.577	180	340040	48.406	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	319964	47.491	ug/L	98
71) Naphthalene	13.432	128	975254	45.140	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	316490	47.989	ug/L	99

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

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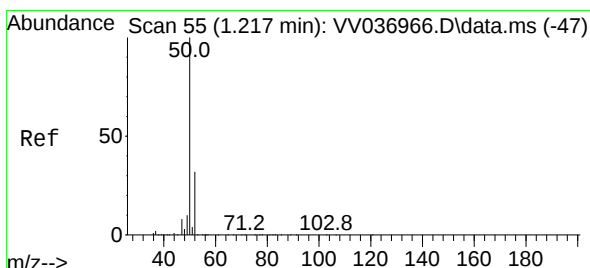
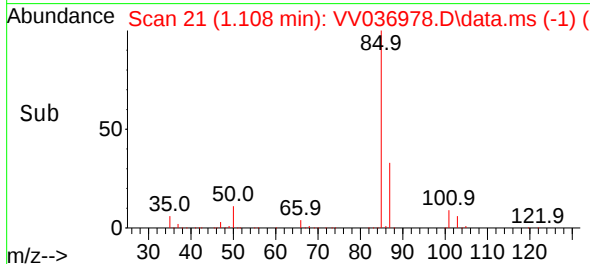
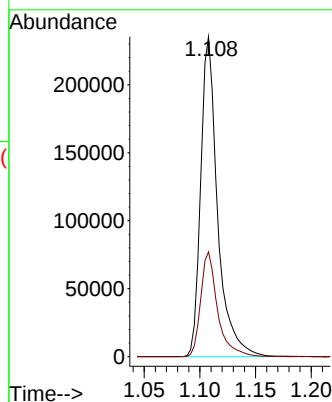
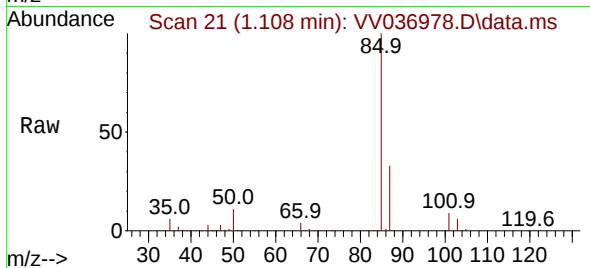




#2
 Dichlorodifluoromethane
 Concen: 50.282 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV036978.D
 Acq: 19 Aug 2024 15:50

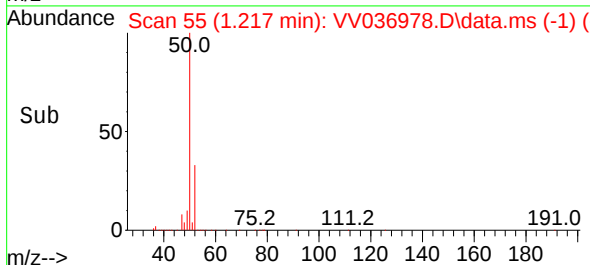
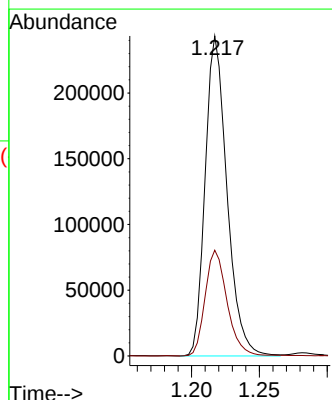
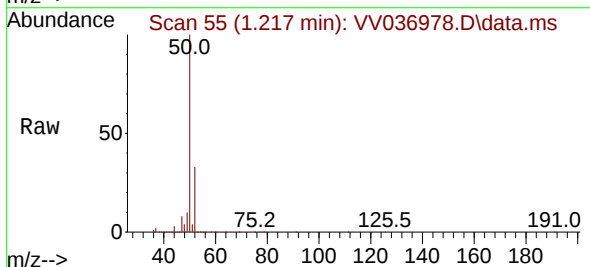
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 MSVOA_V
 ClientSampleId :

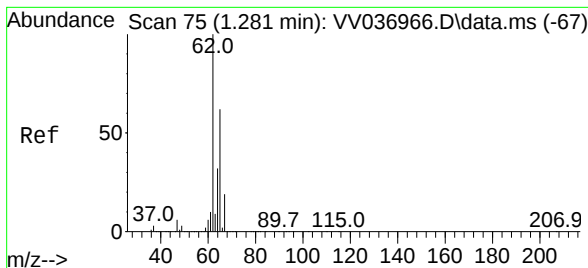
Tgt Ion: 85 Resp: 248102
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.9 38.9



#3
 Chloromethane
 Concen: 52.750 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV036978.D
 Acq: 19 Aug 2024 15:50

Tgt Ion: 50 Resp: 272388
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.0 42.8





#5

Vinyl chloride

Concen: 52.539 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.000 min

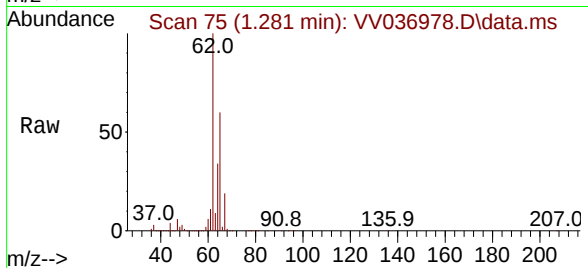
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Acq: 19 Aug 2024 15:50

Instrument :

MSVOA_V

ClientSampleId :

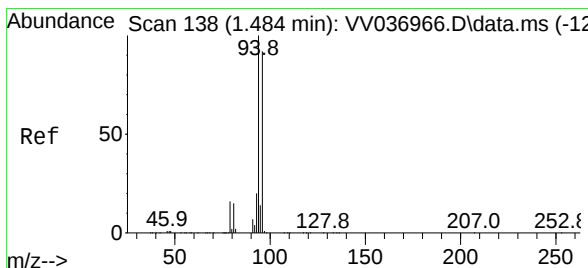
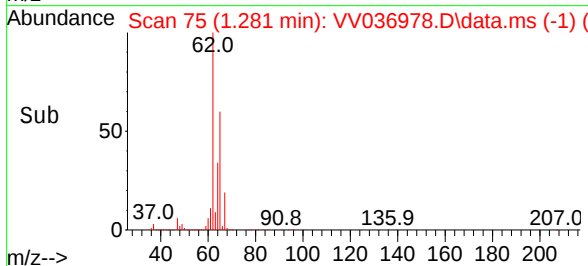
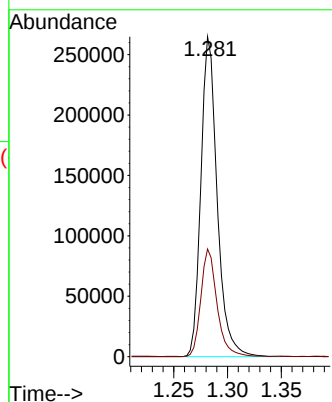


Tgt Ion: 62 Resp: 278607

Ion Ratio Lower Upper

62 100

64 33.7 23.6 43.8



#6

Bromomethane

Concen: 51.943 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.000 min

Lab File: VV036978.D

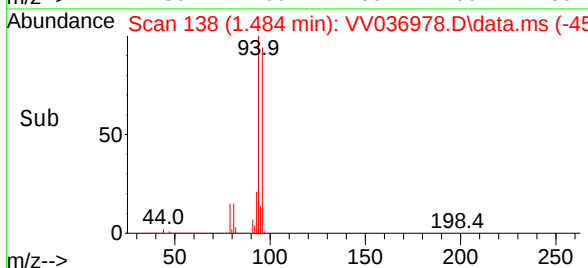
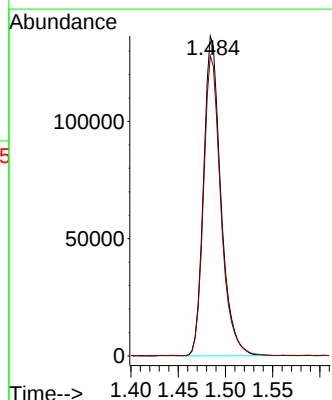
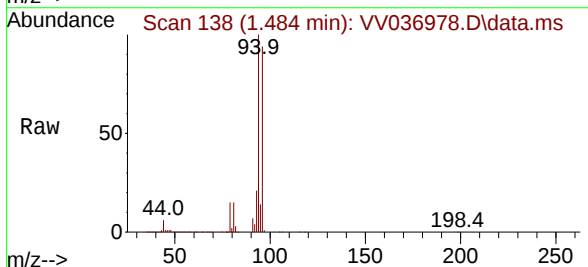
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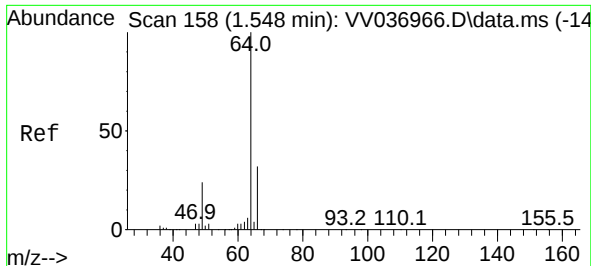
Tgt Ion: 94 Resp: 173423

Ion Ratio Lower Upper

94 100

96 93.8 65.5 121.7

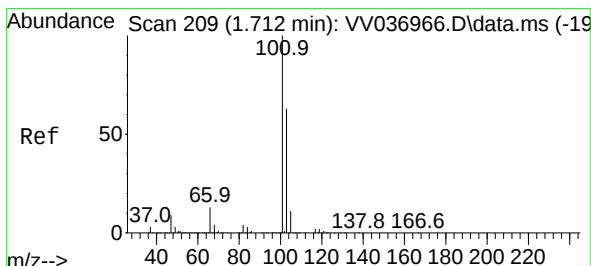
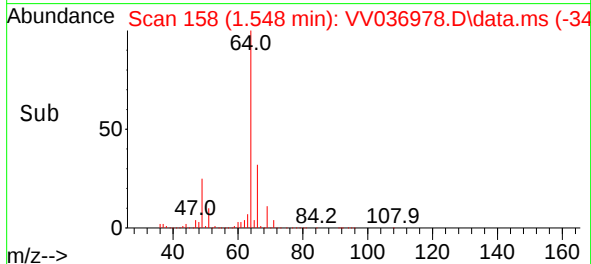
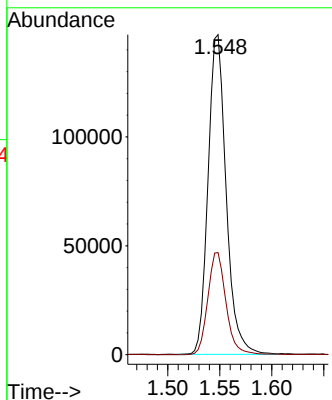
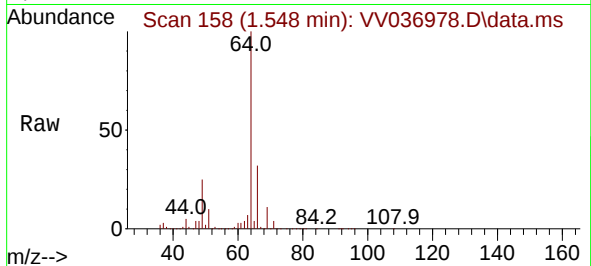




#8
Chloroethane
Concen: 53.966 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

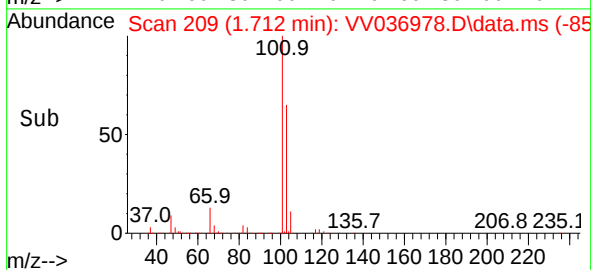
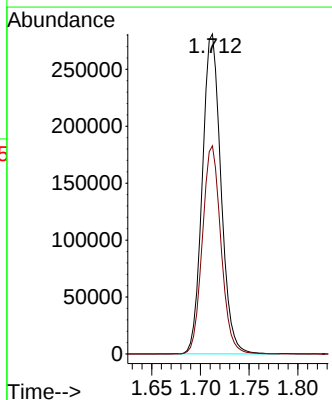
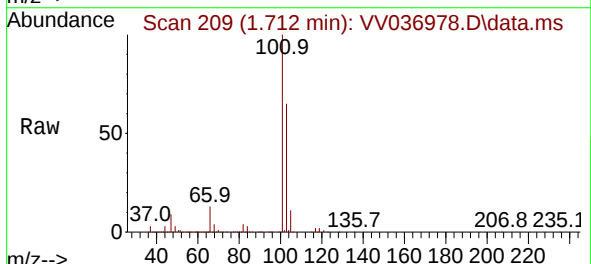
Instrument :
MSVOA_V
ClientSampleId :

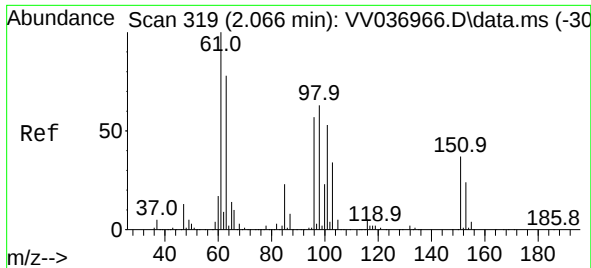
Tgt Ion: 64 Resp: 177263
Ion Ratio Lower Upper
64 100
66 31.9 23.2 43.0



#9
Trichlorofluoromethane
Concen: 53.739 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

Tgt Ion:101 Resp: 373268
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.0

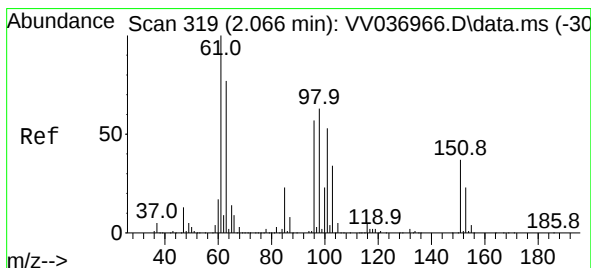
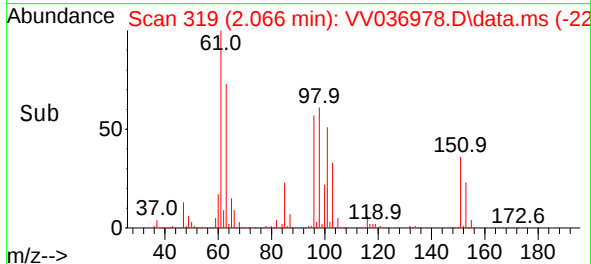
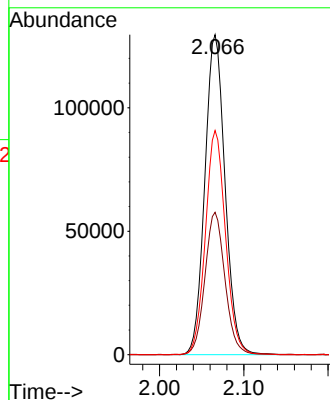
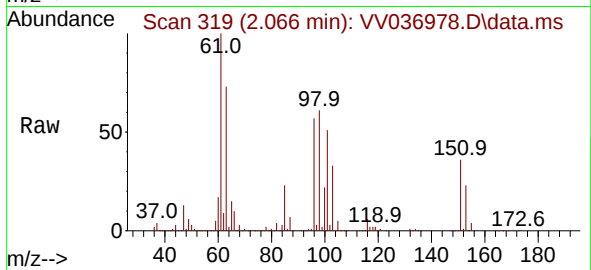




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 52.926 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: VV036978.D
 Acq: 19 Aug 2024 15:50

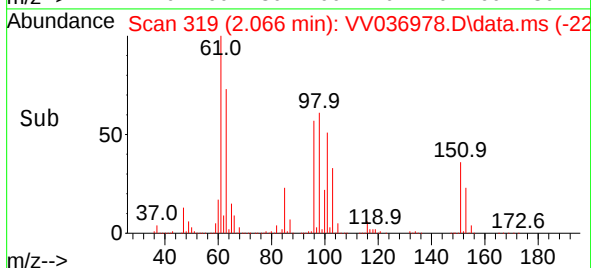
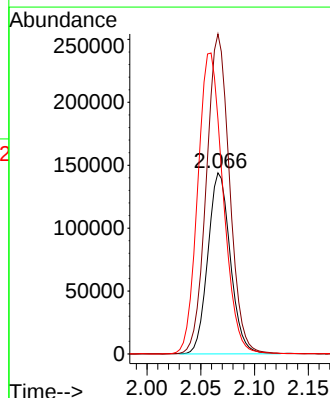
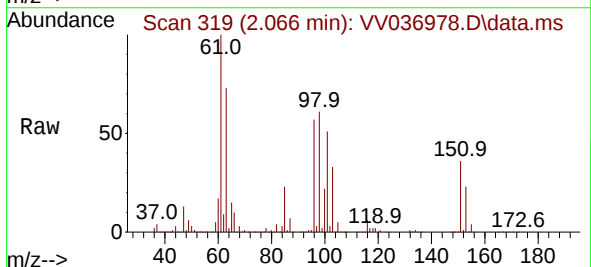
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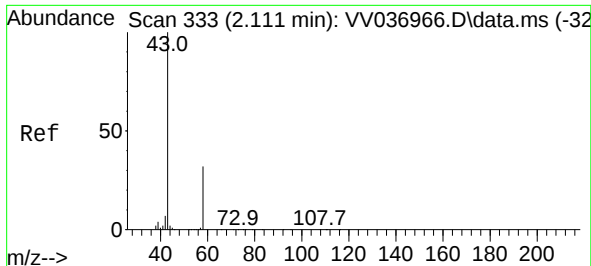
Tgt Ion:101 Resp: 216619
 Ion Ratio Lower Upper
 101 100
 85 44.3 34.6 51.8
 151 69.9 55.9 83.9



#12
 1,1-Dichloroethene
 Concen: 53.284 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: VV036978.D
 Acq: 19 Aug 2024 15:50

Tgt Ion: 96 Resp: 208287
 Ion Ratio Lower Upper
 96 100
 61 176.7 125.6 233.2
 63 129.6 95.1 176.7





#13

Acetone

Concen: 81.655 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.000 min

Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

Instrument :

MSVOA_V

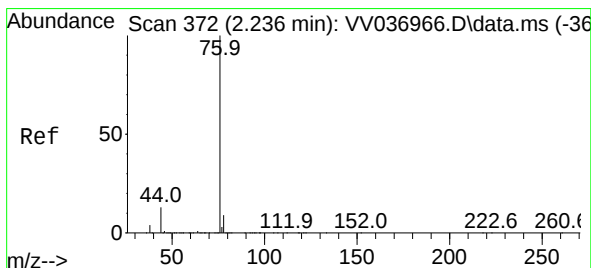
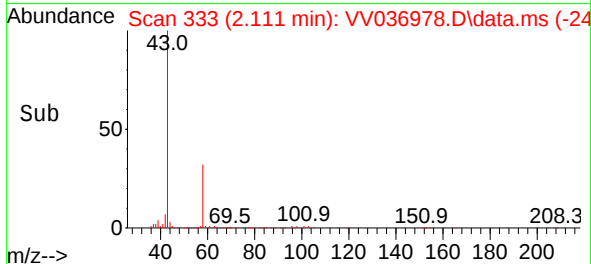
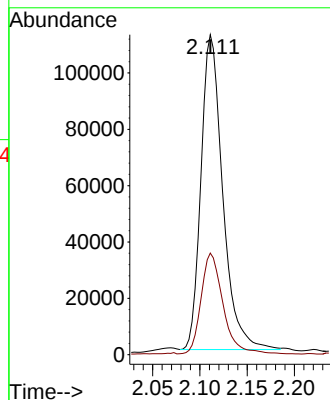
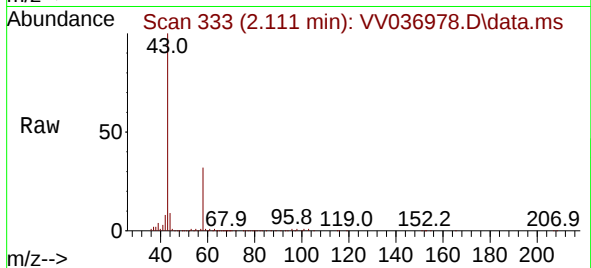
ClientSampleId :

Tgt Ion: 43 Resp: 178909

Ion Ratio Lower Upper

43 100

58 32.7 0.0 63.4



#14

Carbon disulfide

Concen: 45.563 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.000 min

Lab File: VV036978.D

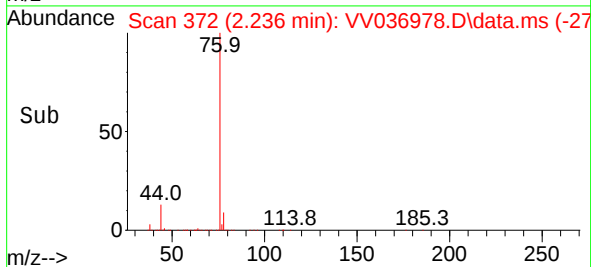
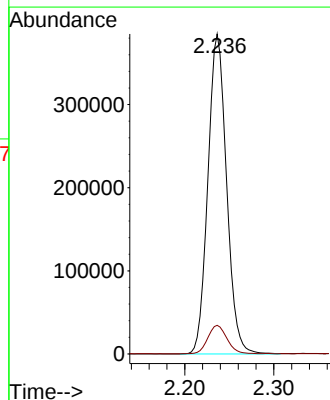
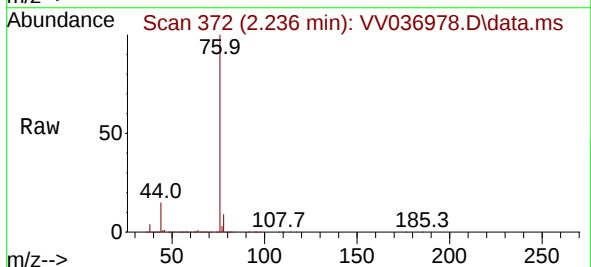
Acq: 19 Aug 2024 15:50

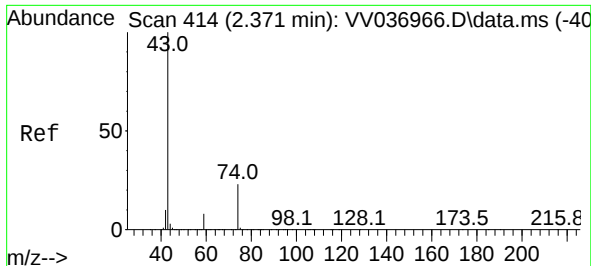
Tgt Ion: 76 Resp: 559478

Ion Ratio Lower Upper

76 100

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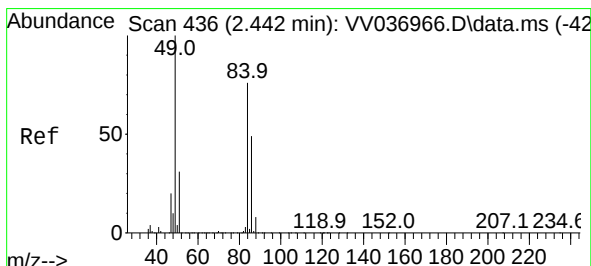
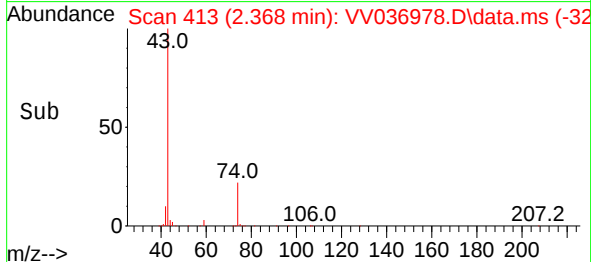
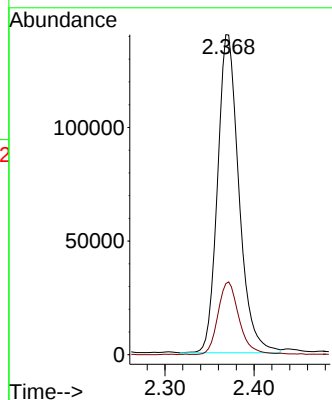
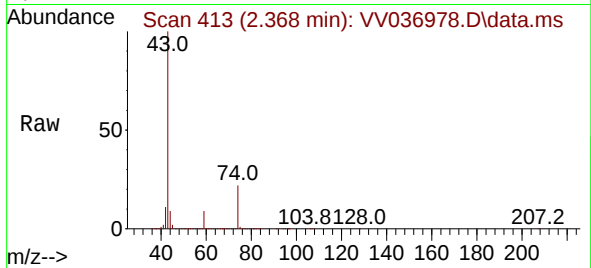




#15
Methyl Acetate
Concen: 51.710 ug/L
RT: 2.368 min Scan# 414
Delta R.T. -0.003 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

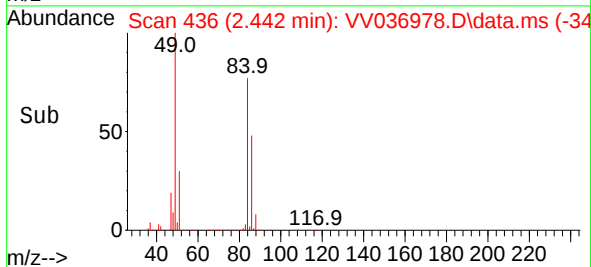
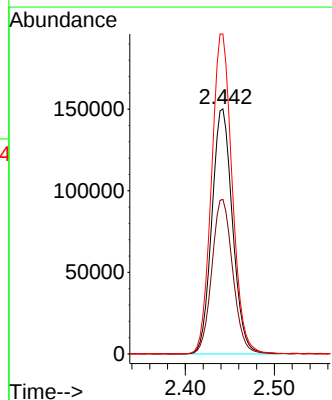
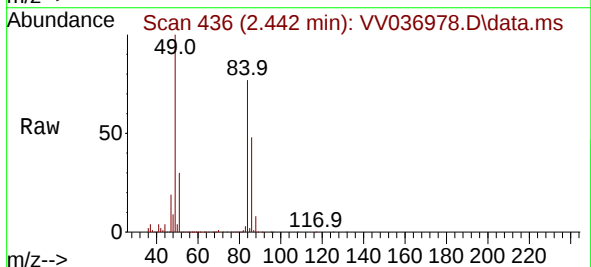
Instrument :
MSVOA_V
ClientSampleId :

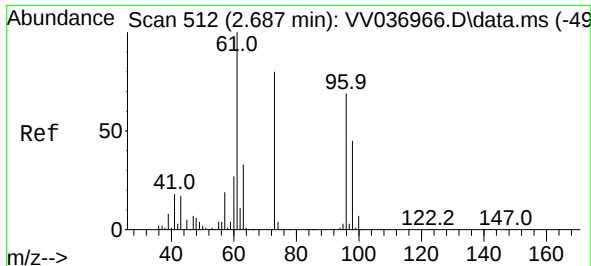
Tgt Ion: 43 Resp: 233401
Ion Ratio Lower Upper
43 100
74 22.3 19.0 28.4



#16
Methylene chloride
Concen: 55.133 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

Tgt Ion: 84 Resp: 242287
Ion Ratio Lower Upper
84 100
86 63.1 44.3 82.3
49 130.5 91.1 169.1

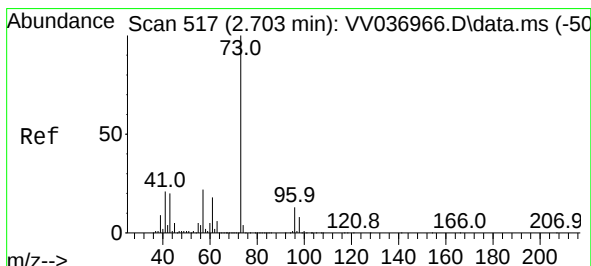
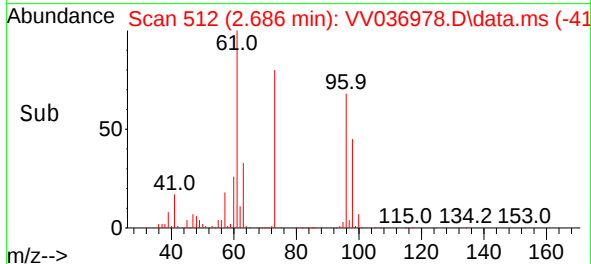
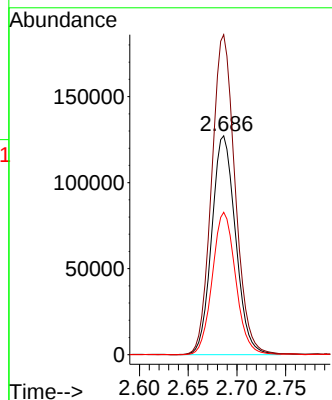
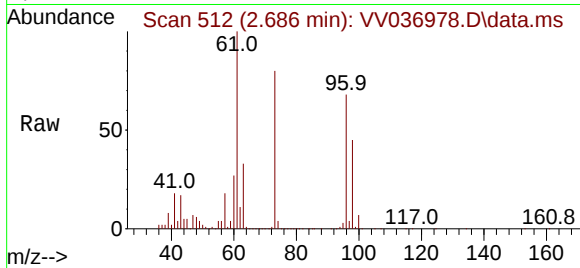




#17
trans-1,2-Dichloroethene
Concen: 53.502 ug/L
RT: 2.686 min Scan# 512
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

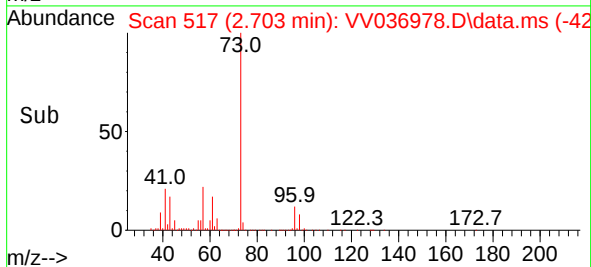
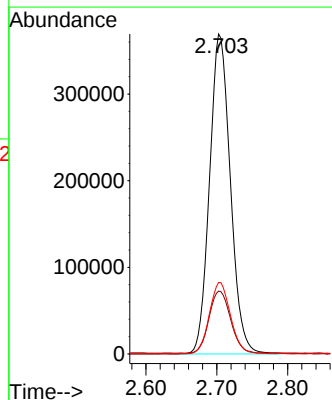
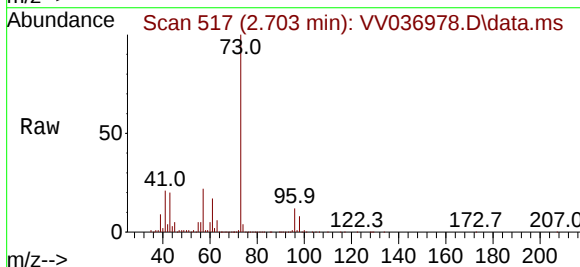
Instrument :
MSVOA_V
ClientSampleId :

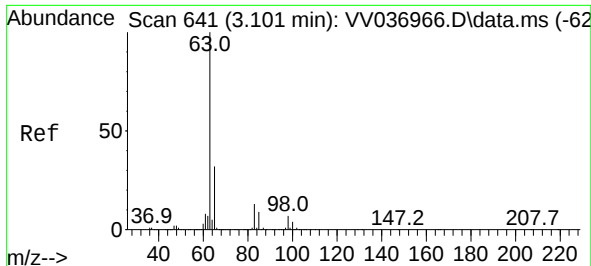
Tgt Ion: 96 Resp: 216631
Ion Ratio Lower Upper
96 100
61 146.2 100.0 185.8
98 65.1 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 52.830 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

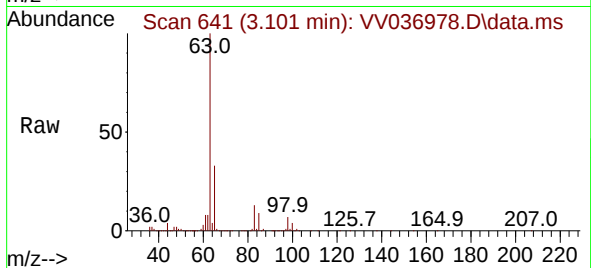
Tgt Ion: 73 Resp: 753387
Ion Ratio Lower Upper
73 100
43 20.0 16.1 24.1
57 22.5 17.9 26.9



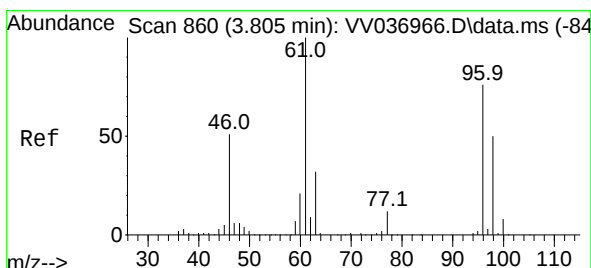
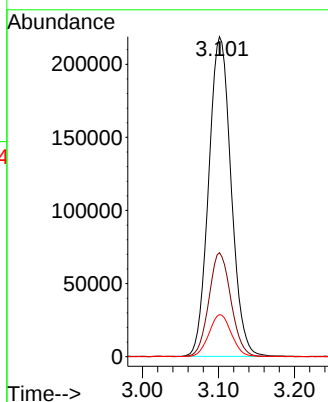
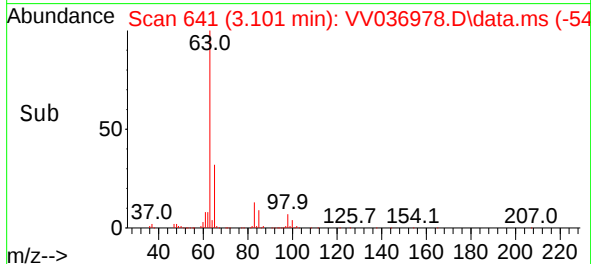


#19
1,1-Dichloroethane
Concen: 54.806 ug/L
RT: 3.101 min Scan# 641
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

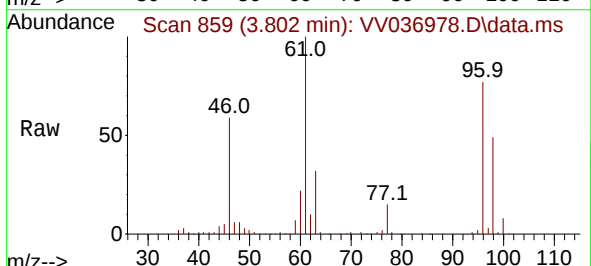
Instrument :
MSVOA_V
ClientSampleId :



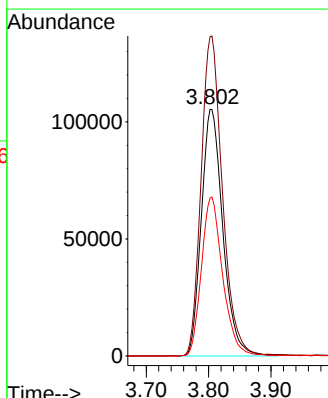
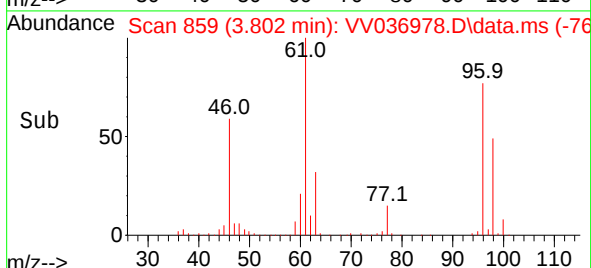
Tgt Ion: 63 Resp: 448339
Ion Ratio Lower Upper
63 100
65 32.5 23.2 43.0
83 13.2 9.2 17.0

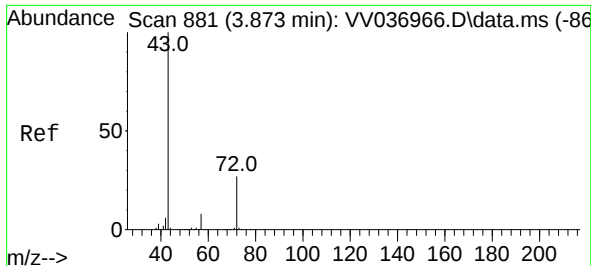


#20
cis-1,2-Dichloroethene
Concen: 53.121 ug/L
RT: 3.802 min Scan# 859
Delta R.T. -0.003 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50



Tgt Ion: 96 Resp: 252455
Ion Ratio Lower Upper
96 100
61 129.4 93.9 174.5
98 64.1 46.0 85.4

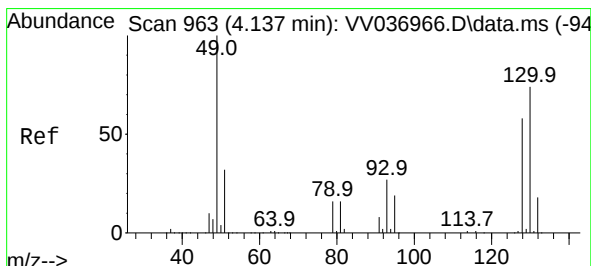
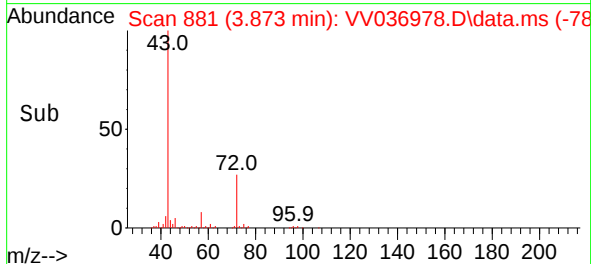
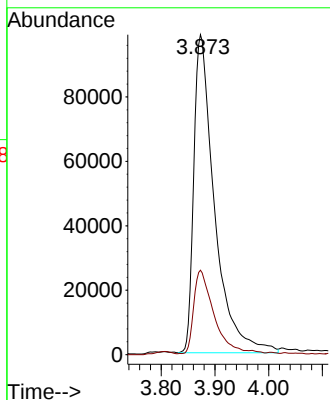
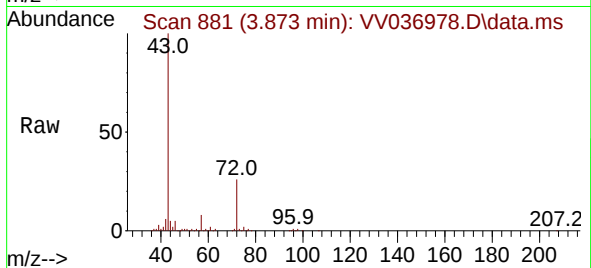




#22
2-Butanone
Concen: 90.287 ug/L
RT: 3.873 min Scan# 881
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

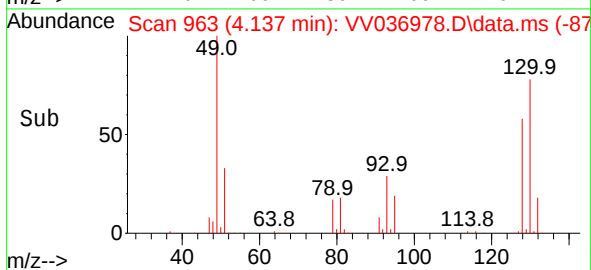
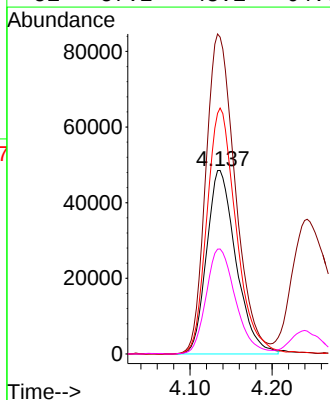
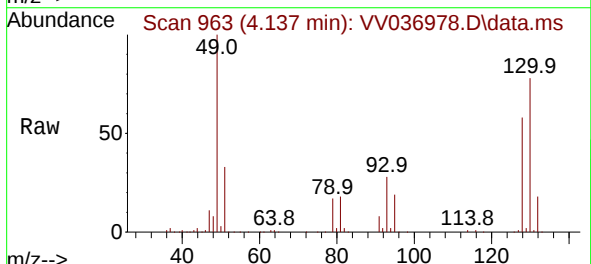
Instrument :
MSVOA_V
ClientSampleId :

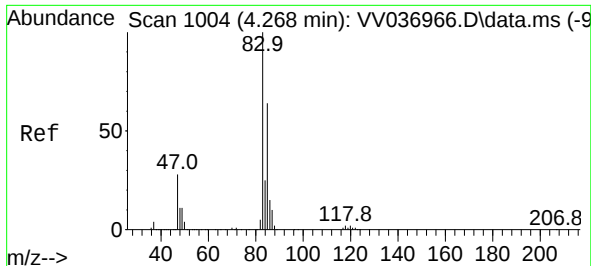
Tgt Ion: 43 Resp: 265009
Ion Ratio Lower Upper
43 100
72 24.8 12.5 37.5



#23
Bromochloromethane
Concen: 52.261 ug/L
RT: 4.137 min Scan# 963
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

Tgt Ion:128 Resp: 120647
Ion Ratio Lower Upper
128 100
49 172.7 120.0 223.0
130 134.0 87.0 161.6
51 57.2 43.1 64.7





#25

Chloroform

Concen: 53.903 ug/L

RT: 4.265 min Scan# 1003

Delta R.T. -0.003 min

Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

Instrument :

MSVOA_V

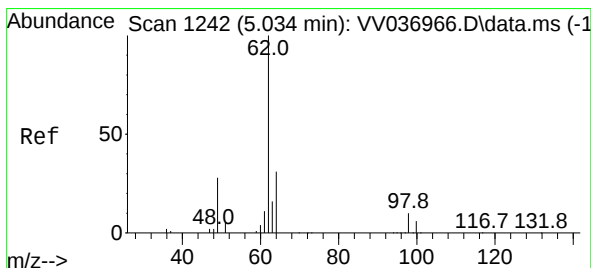
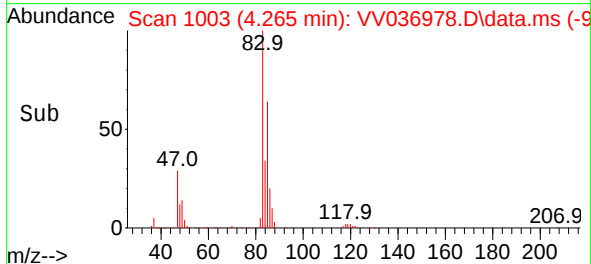
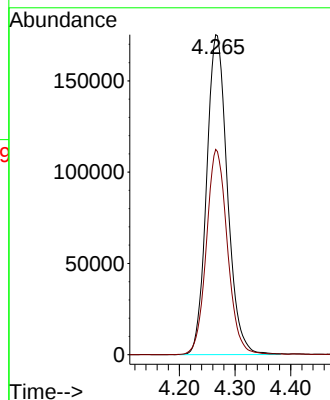
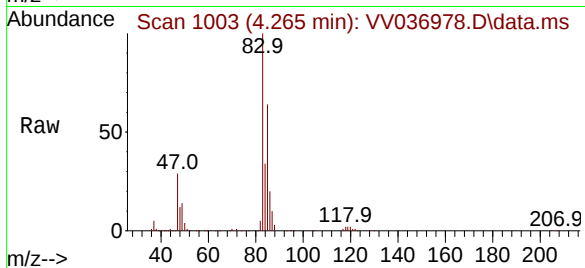
ClientSampleId :

Tgt Ion: 83 Resp: 452898

Ion Ratio Lower Upper

83 100

85 64.2 46.0 85.4



#27

1,2-Dichloroethane

Concen: 52.645 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.000 min

Lab File: VV036978.D

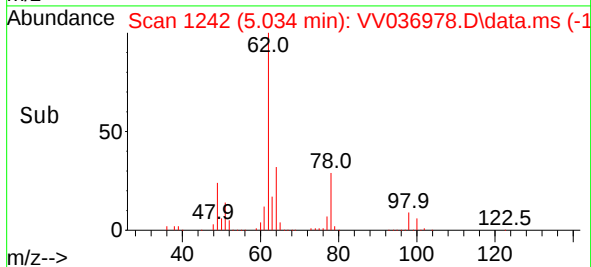
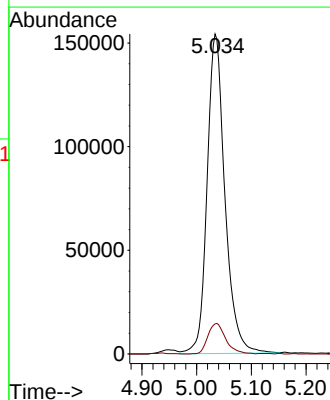
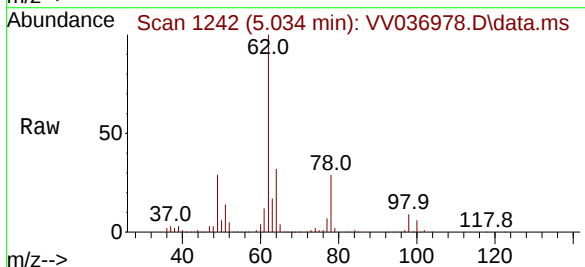
Acq: 19 Aug 2024 15:50

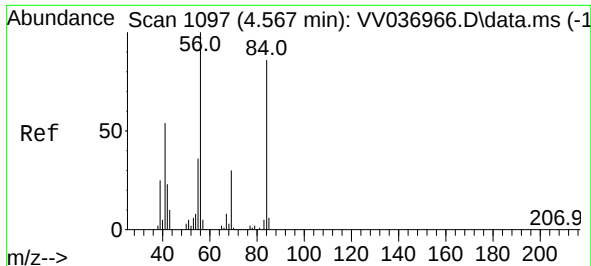
Tgt Ion: 62 Resp: 348912

Ion Ratio Lower Upper

62 100

98 9.4 7.5 11.3





#29

Cyclohexane

Concen: 45.223 ug/L

RT: 4.567 min Scan# 1097

Delta R.T. -0.000 min

Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

Instrument :

MSVOA_V

ClientSampleId :

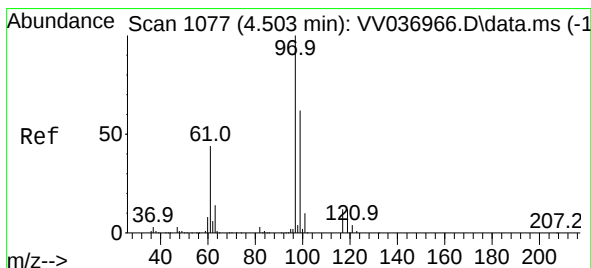
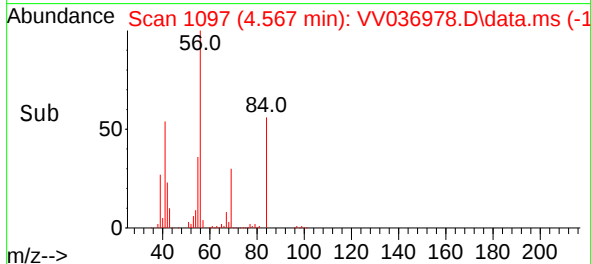
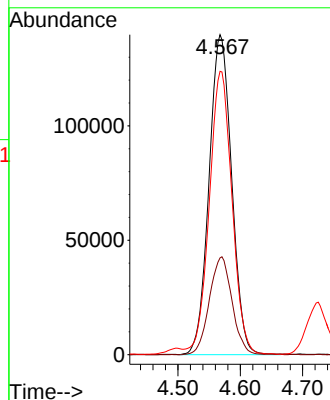
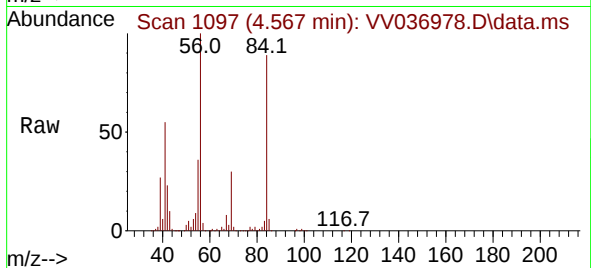
Tgt Ion: 56 Resp: 352403

Ion Ratio Lower Upper

56 100

69 30.6 24.7 37.1

84 88.7 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 49.239 ug/L

RT: 4.500 min Scan# 1076

Delta R.T. -0.003 min

Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

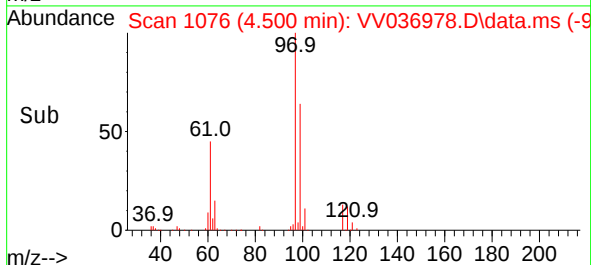
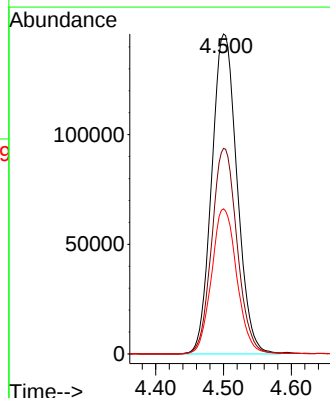
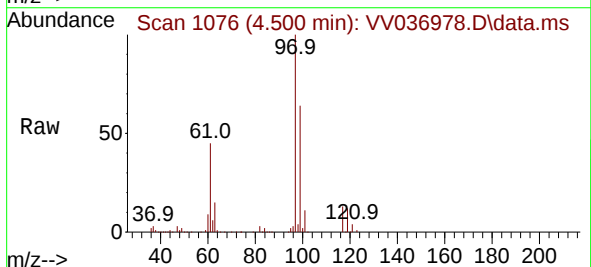
Tgt Ion: 97 Resp: 379414

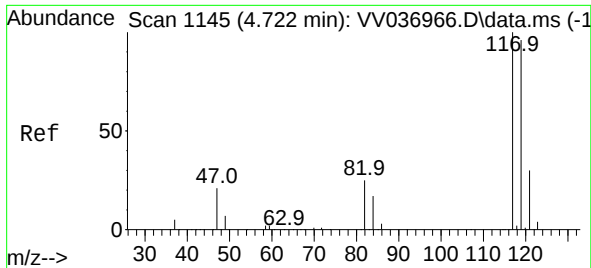
Ion Ratio Lower Upper

97 100

99 64.2 51.5 77.3

61 45.4 36.0 54.0

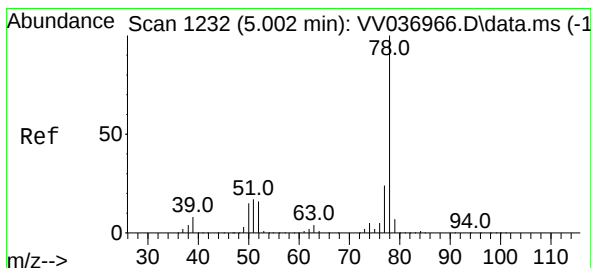
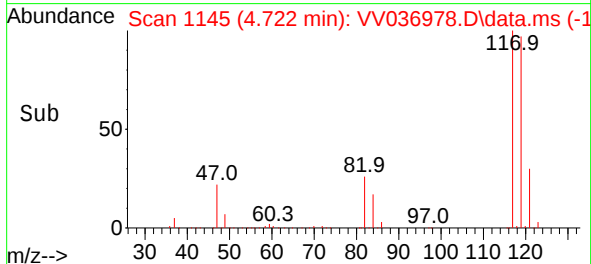
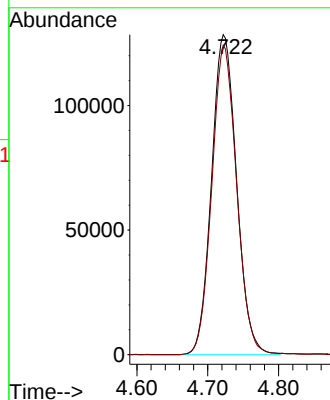
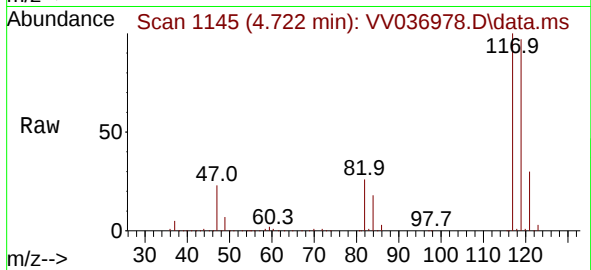




#31
Carbon tetrachloride
Concen: 48.743 ug/L
RT: 4.722 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

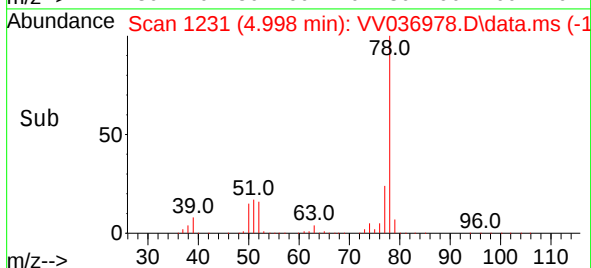
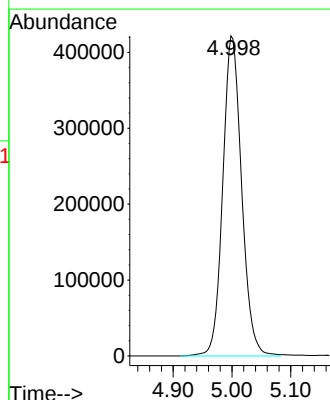
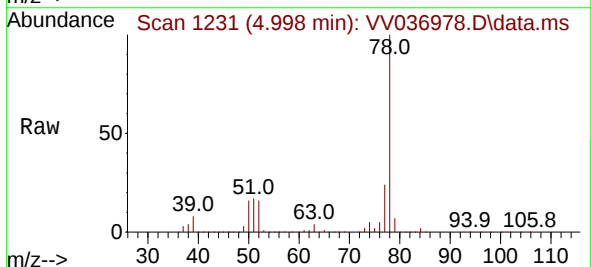
Instrument :
MSVOA_V
ClientSampleId :

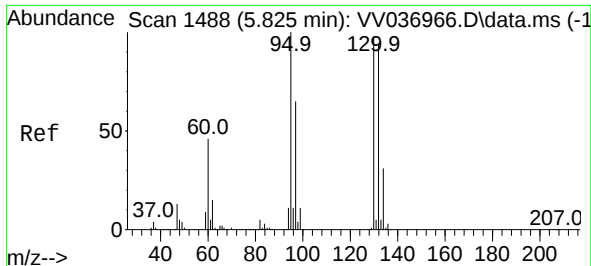
Tgt Ion:117 Resp: 315425
Ion Ratio Lower Upper
117 100
119 95.9 76.1 114.1



#33
Benzene
Concen: 51.293 ug/L
RT: 4.998 min Scan# 1231
Delta R.T. -0.003 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

Tgt Ion: 78 Resp: 938318





#34

Trichloroethene

Concen: 46.074 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. -0.000 min

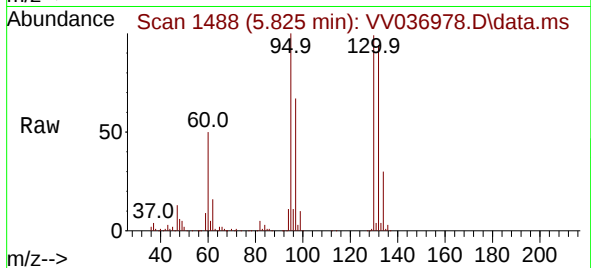
Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 244271

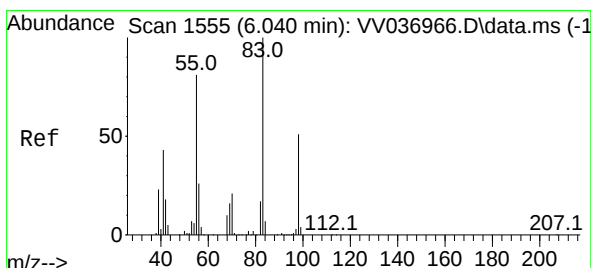
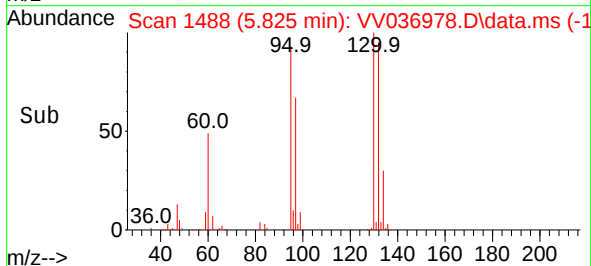
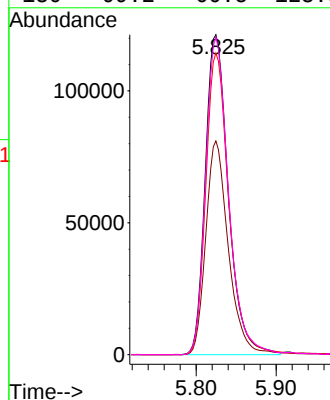
Ion Ratio Lower Upper

95 100

97 66.8 44.7 82.9

132 94.2 62.9 116.9

130 99.2 66.5 123.5



#35

Methylcyclohexane

Concen: 43.270 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

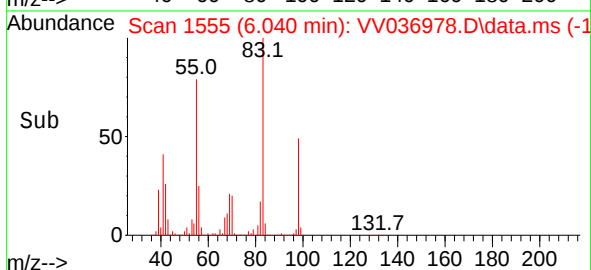
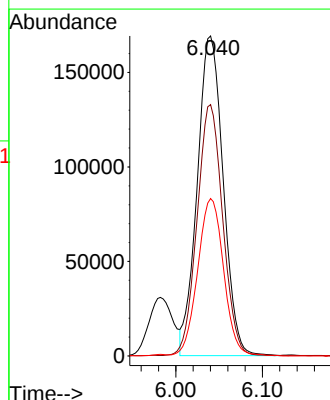
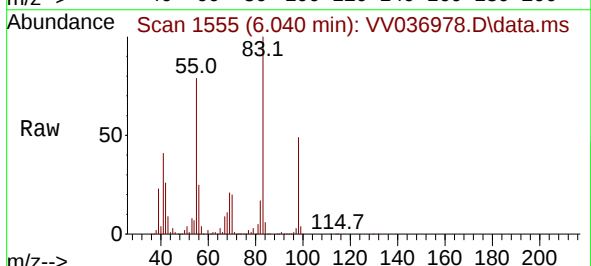
Tgt Ion: 83 Resp: 352014

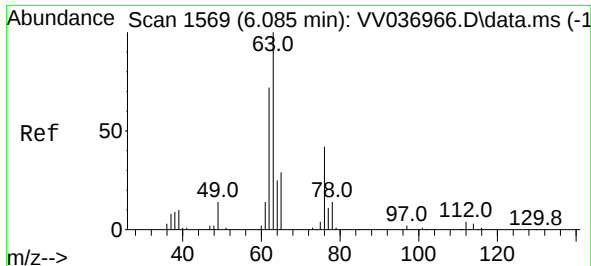
Ion Ratio Lower Upper

83 100

55 77.6 62.3 93.5

98 48.9 38.7 58.1

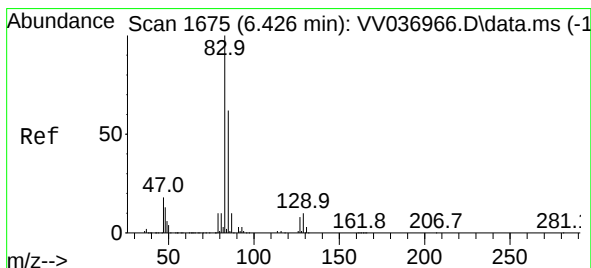
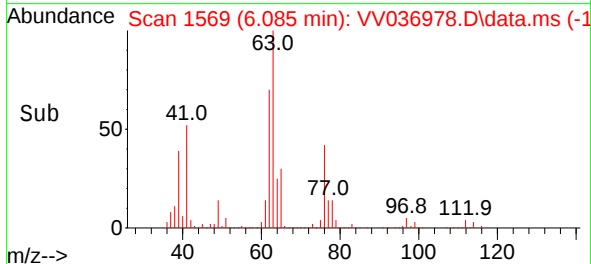
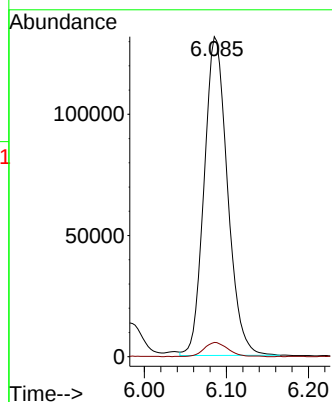
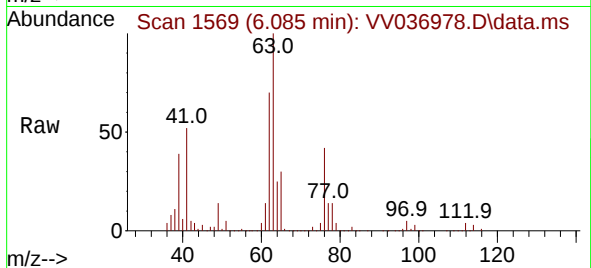




#37
1,2-Dichloropropane
Concen: 53.646 ug/L
RT: 6.085 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

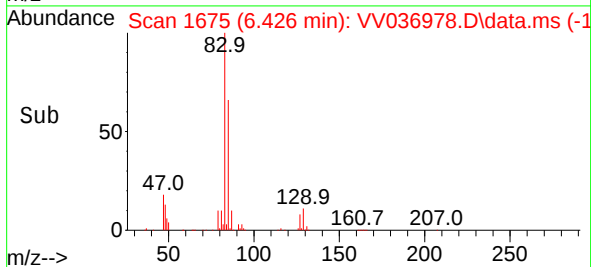
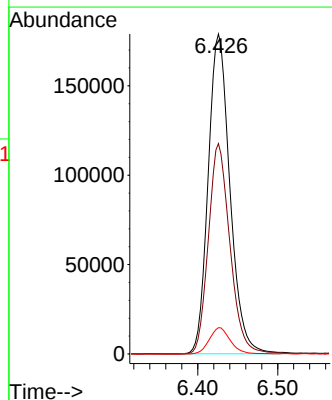
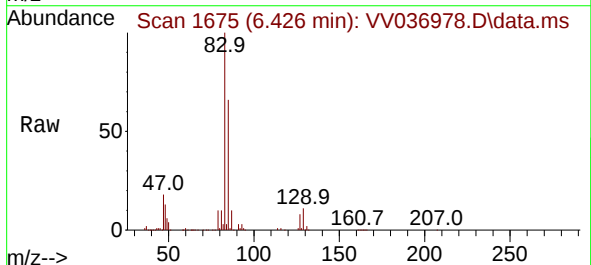
Instrument :
MSVOA_V
ClientSampleId :

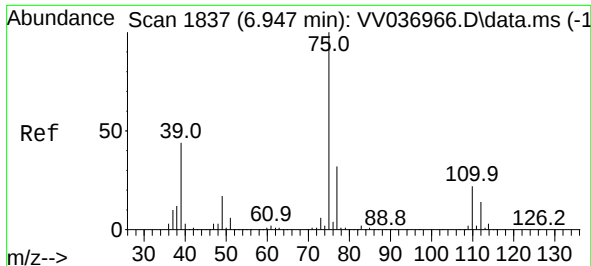
Tgt Ion: 63 Resp: 259969
Ion Ratio Lower Upper
63 100
112 4.4 3.6 5.4



#38
Bromodichloromethane
Concen: 50.722 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

Tgt Ion: 83 Resp: 338485
Ion Ratio Lower Upper
83 100
85 65.8 44.7 83.1
127 8.2 6.2 9.4

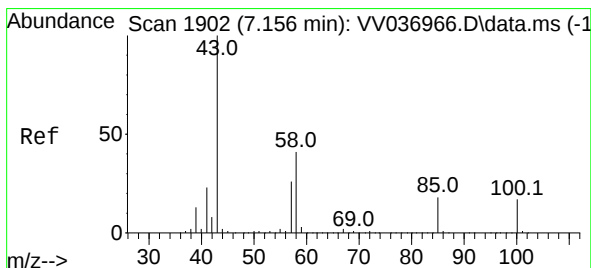
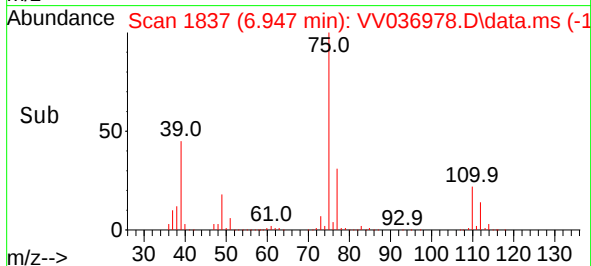
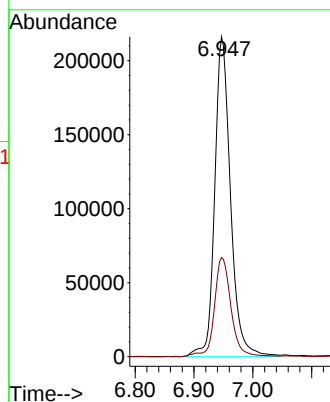
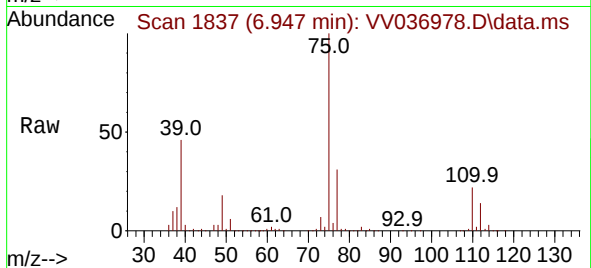




#39
cis-1,3-Dichloropropene
Concen: 48.686 ug/L
RT: 6.947 min Scan# 1837
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

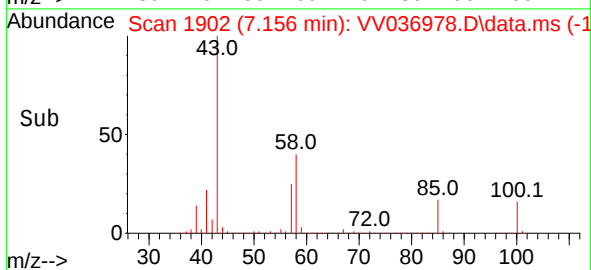
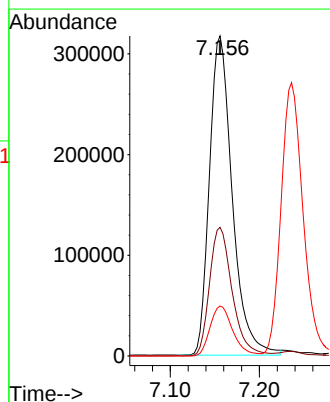
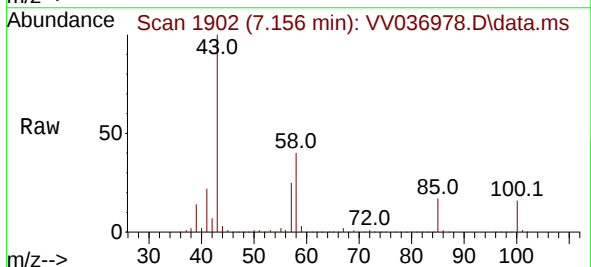
Instrument :
MSVOA_V
ClientSampleId :

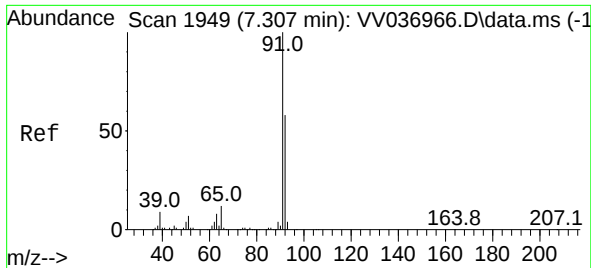
Tgt Ion: 75 Resp: 404065
Ion Ratio Lower Upper
75 100
77 31.0 22.2 41.2



#40
4-Methyl-2-pentanone
Concen: 94.081 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

Tgt Ion: 43 Resp: 564775
Ion Ratio Lower Upper
43 100
58 40.0 31.3 46.9
100 15.5 12.6 18.8





#42

Toluene

Concen: 50.705 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

Instrument :

MSVOA_V

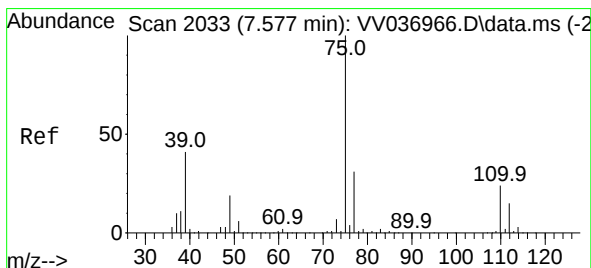
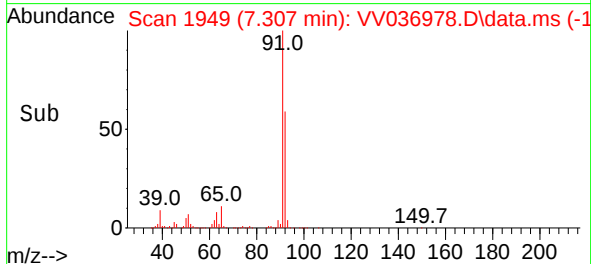
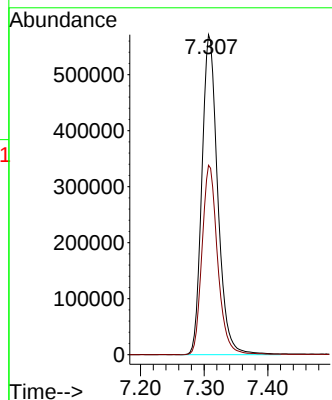
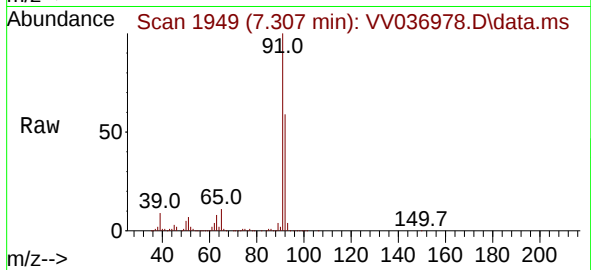
ClientSampleId :

Tgt Ion: 91 Resp: 987969

Ion Ratio Lower Upper

91 100

92 59.2 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 46.603 ug/L

RT: 7.574 min Scan# 2032

Delta R.T. -0.003 min

Lab File: VV036978.D

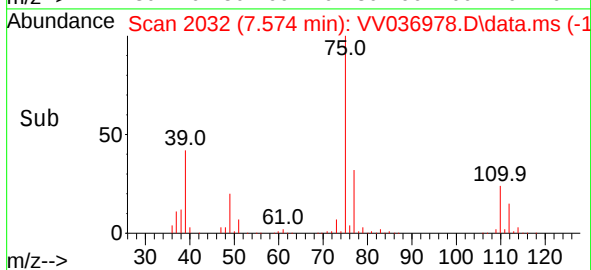
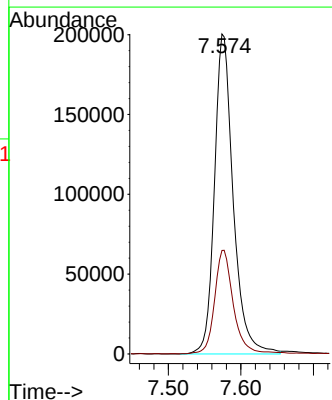
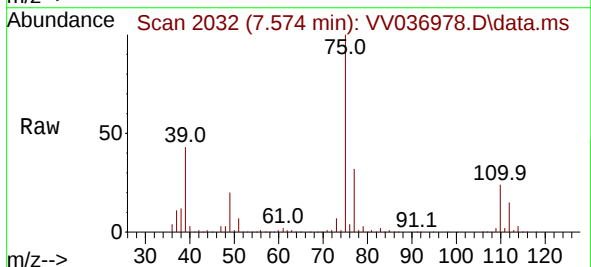
Acq: 19 Aug 2024 15:50

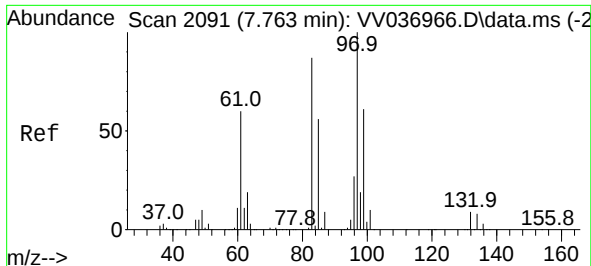
Tgt Ion: 75 Resp: 360413

Ion Ratio Lower Upper

75 100

77 32.3 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 51.843 ug/L

RT: 7.763 min Scan# 2091

Delta R.T. -0.000 min

Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 243300

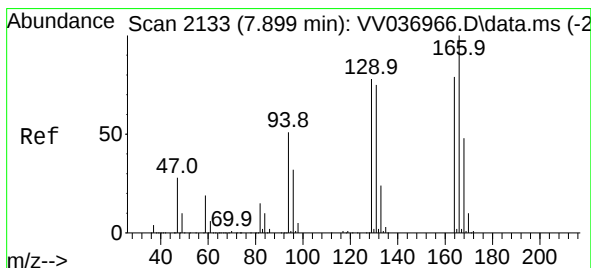
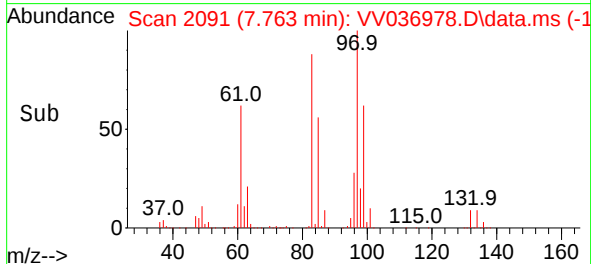
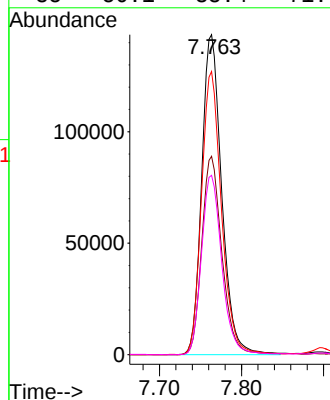
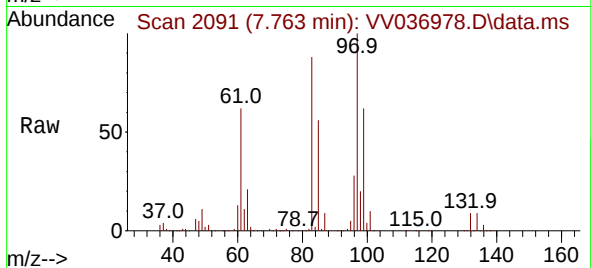
Ion Ratio Lower Upper

97 100

99 62.0 44.0 81.6

83 88.5 60.1 111.5

85 56.1 38.4 71.4



#46

Tetrachloroethene

Concen: 49.725 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.000 min

Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

Tgt Ion:164 Resp: 172919

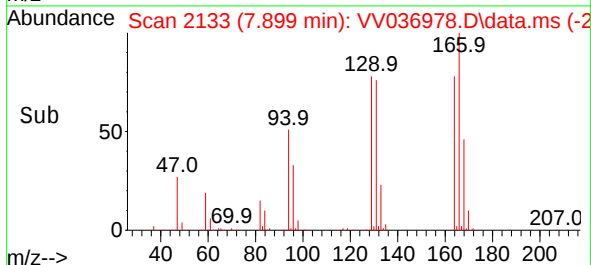
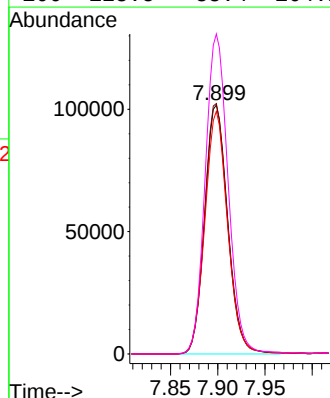
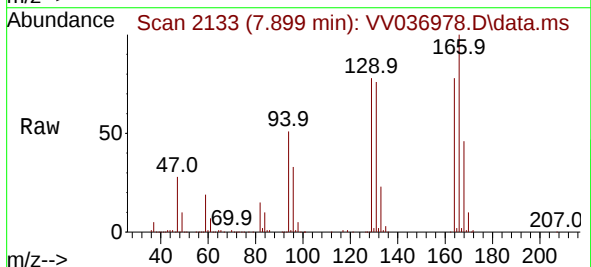
Ion Ratio Lower Upper

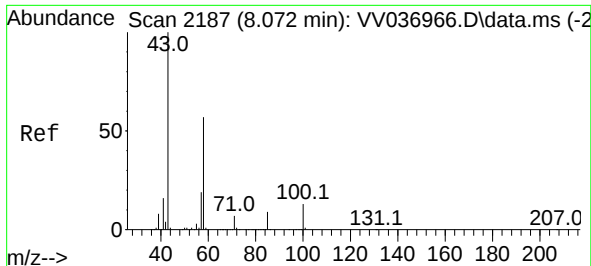
164 100

129 100.6 70.4 130.8

131 97.5 67.7 125.7

166 128.5 88.4 164.2





#48

2-Hexanone

Concen: 89.017 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. -0.000 min

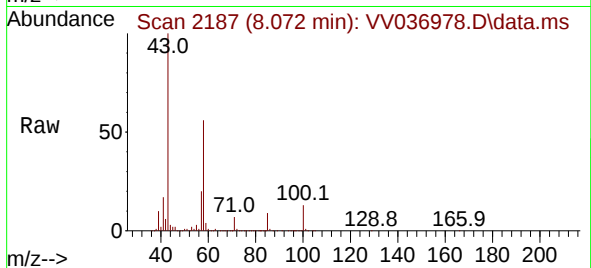
Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 393126

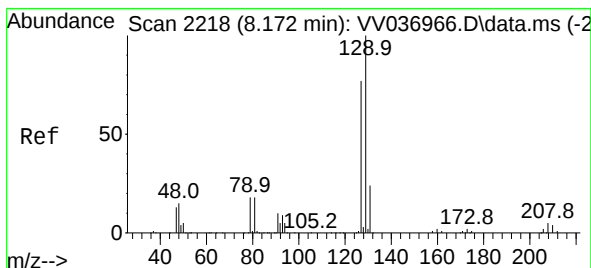
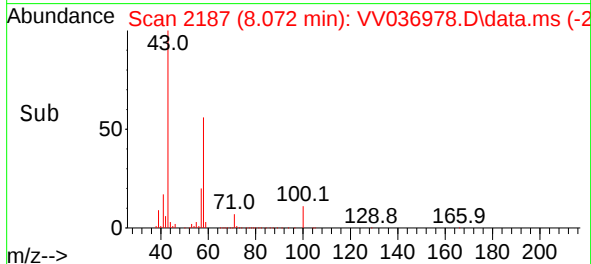
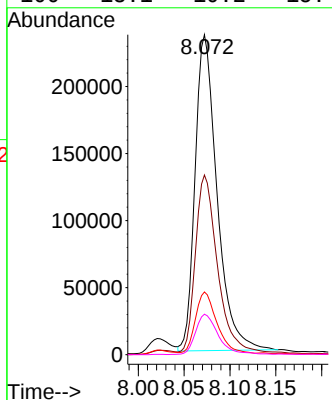
Ion Ratio Lower Upper

43 100

58 57.2 44.7 67.1

57 19.6 15.0 22.4

100 13.1 10.2 15.4



#49

Dibromochloromethane

Concen: 50.695 ug/L

RT: 8.169 min Scan# 2217

Delta R.T. -0.003 min

Lab File: VV036978.D

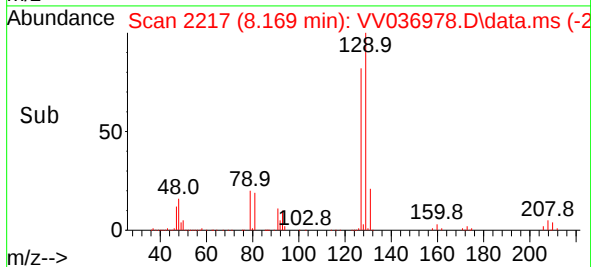
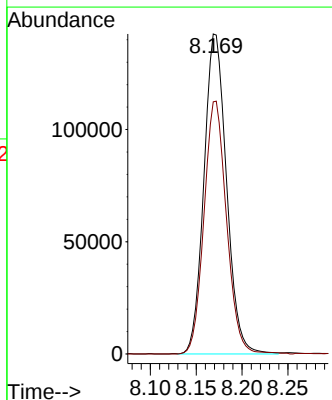
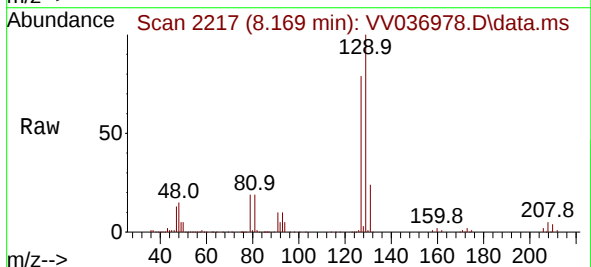
Acq: 19 Aug 2024 15:50

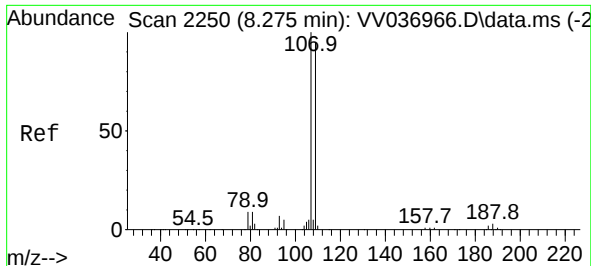
Tgt Ion: 129 Resp: 244484

Ion Ratio Lower Upper

129 100

127 78.8 55.4 102.8

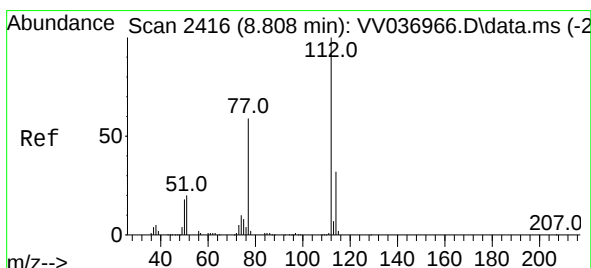
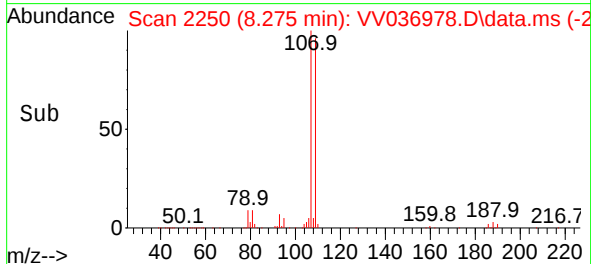
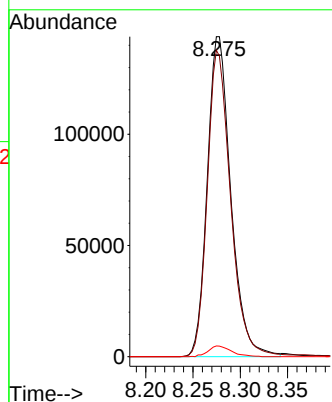
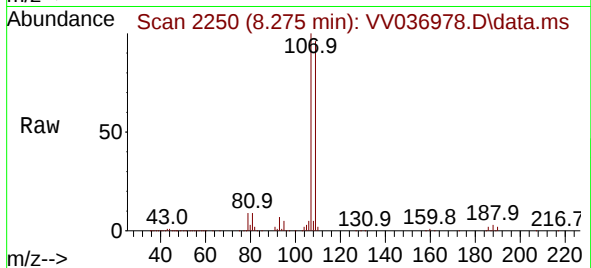




#50
1,2-Dibromoethane
Concen: 51.314 ug/L
RT: 8.275 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

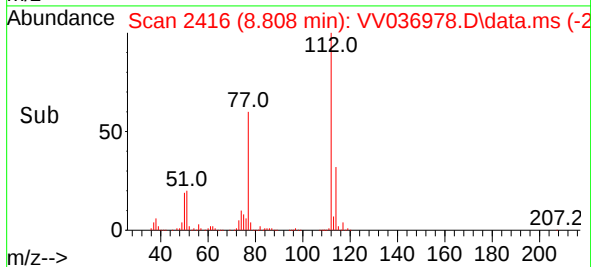
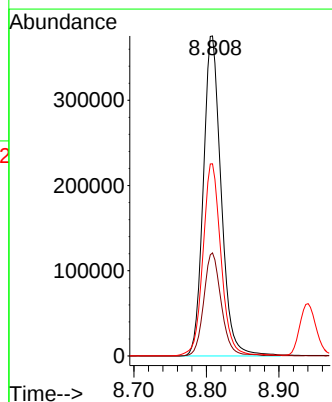
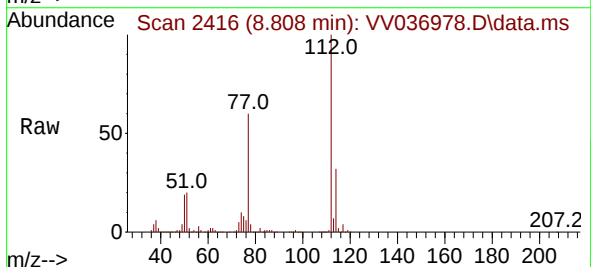
Instrument :
MSVOA_V
ClientSampleId :

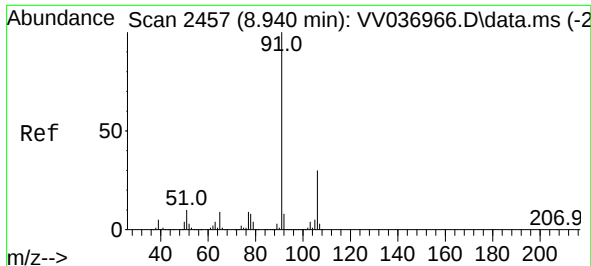
Tgt Ion:107 Resp: 249857
Ion Ratio Lower Upper
107 100
109 95.8 64.7 120.1
188 3.4 2.6 3.8



#51
Chlorobenzene
Concen: 51.303 ug/L
RT: 8.808 min Scan# 2416
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

Tgt Ion:112 Resp: 641389
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 60.1 48.9 73.3





#52

Ethylbenzene

Concen: 49.947 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. -0.000 min

Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

Instrument :

MSVOA_V

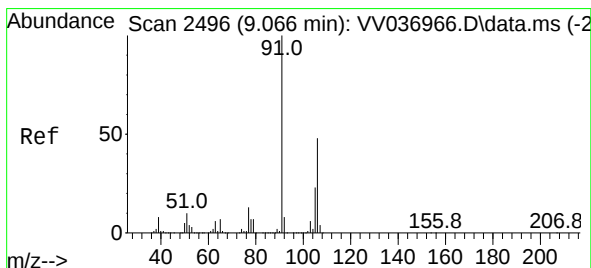
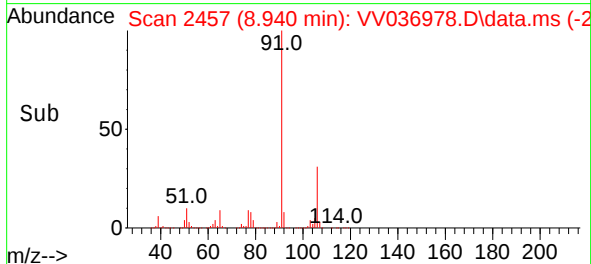
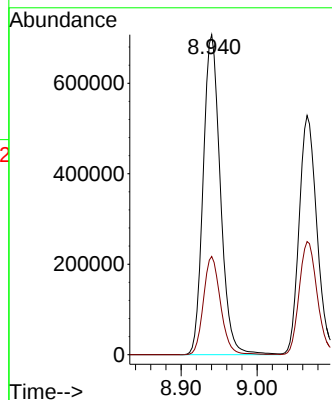
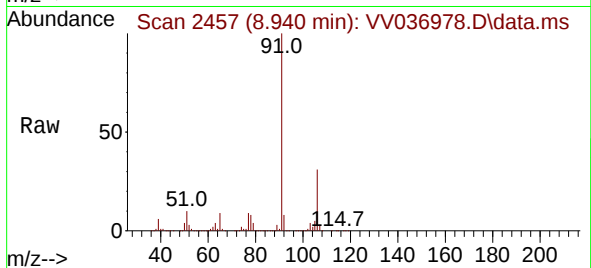
ClientSampleId :

Tgt Ion: 91 Resp: 1111215

Ion Ratio Lower Upper

91 100

106 30.7 21.1 39.1



#53

m,p-Xylene

Concen: 49.543 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. -0.000 min

Lab File: VV036978.D

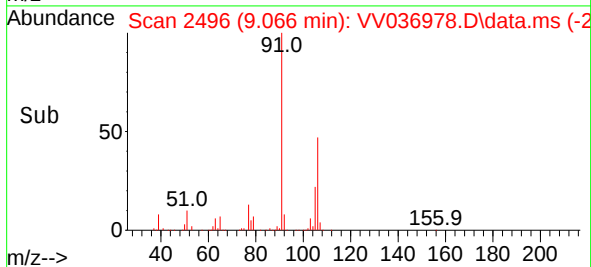
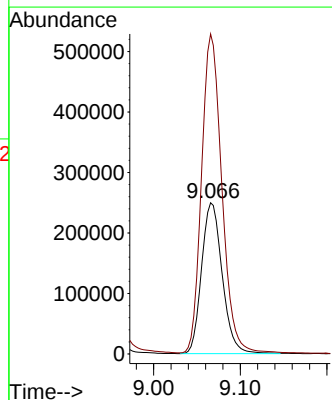
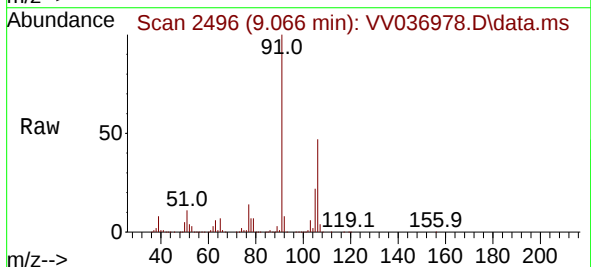
Acq: 19 Aug 2024 15:50

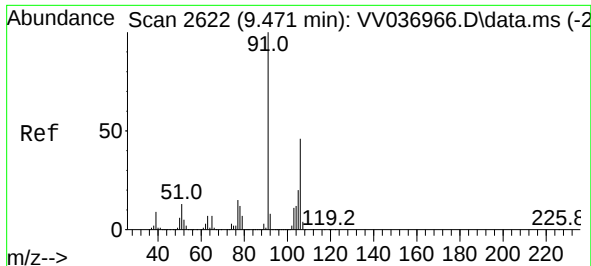
Tgt Ion:106 Resp: 412001

Ion Ratio Lower Upper

106 100

91 211.7 147.1 273.3

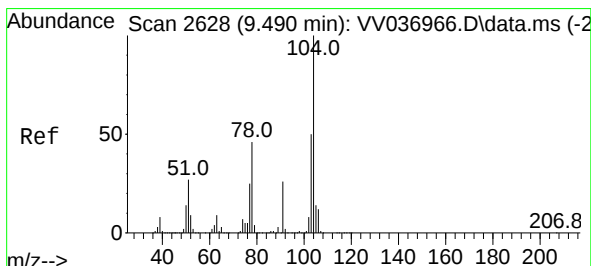
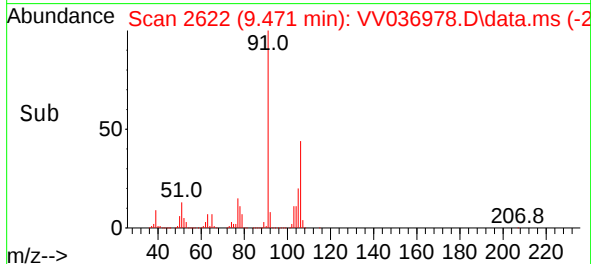
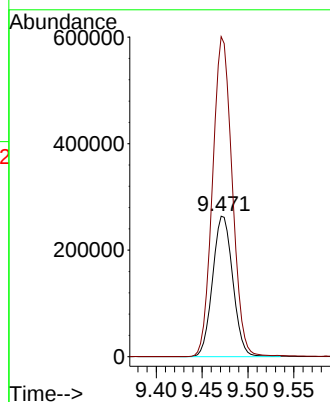
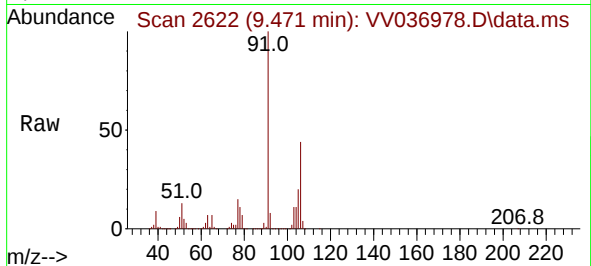




#54
o-Xylene
Concen: 49.713 ug/L
RT: 9.471 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

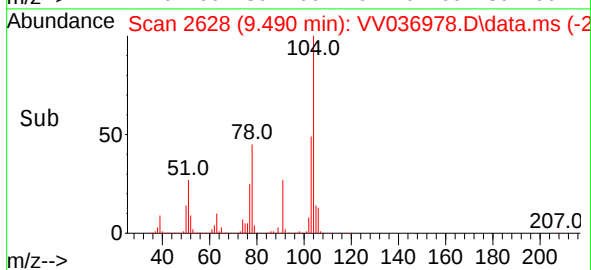
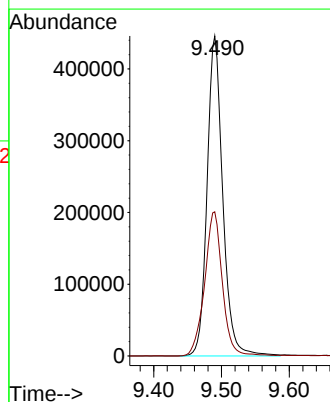
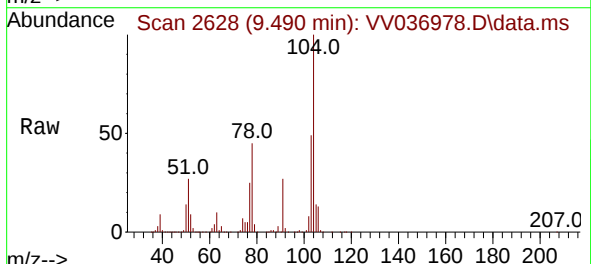
Instrument :
MSVOA_V
ClientSampleId :

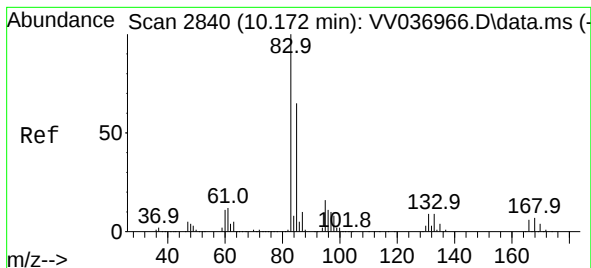
Tgt Ion:106 Resp: 404355
Ion Ratio Lower Upper
106 100
91 227.7 154.5 286.9



#55
Styrene
Concen: 51.422 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

Tgt Ion:104 Resp: 716766
Ion Ratio Lower Upper
104 100
78 45.1 32.1 59.7

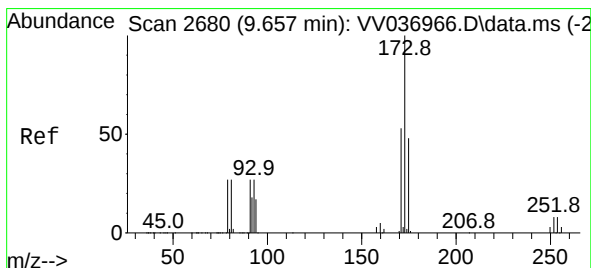
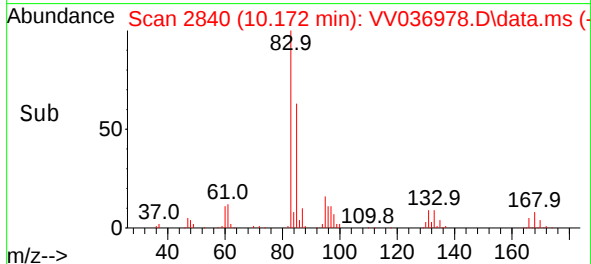
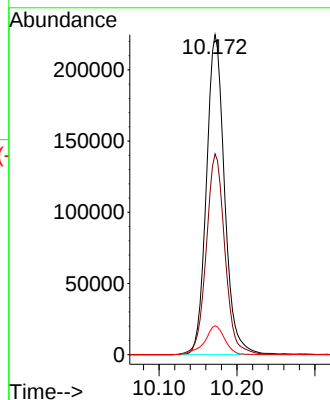
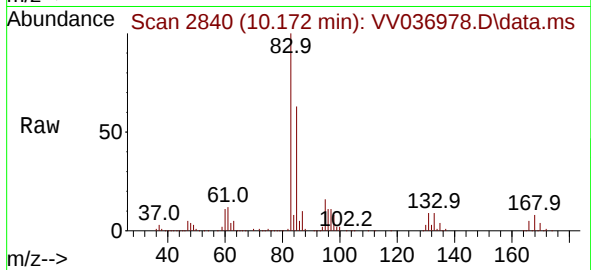




#57
1,1,2,2-Tetrachloroethane
Concen: 57.272 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

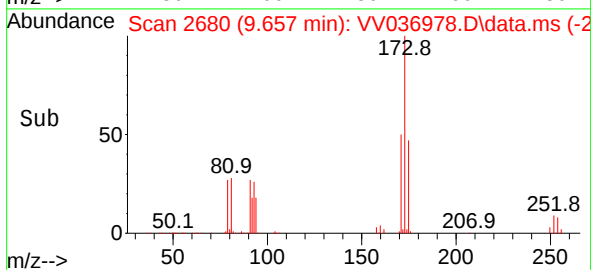
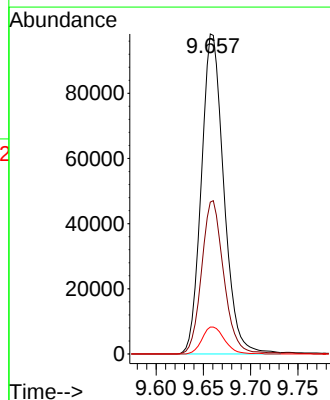
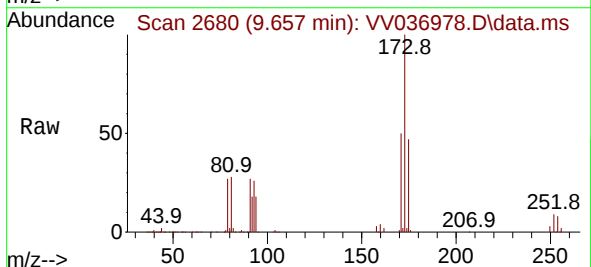
Instrument :
MSVOA_V
ClientSampleId :

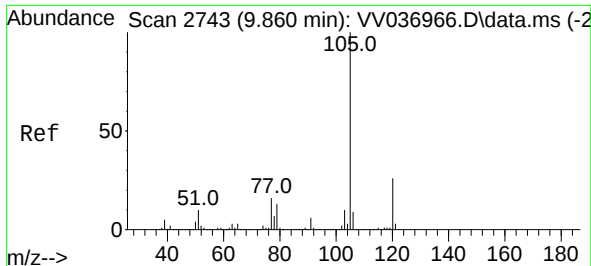
Tgt Ion: 83 Resp: 362664
Ion Ratio Lower Upper
83 100
85 62.7 44.7 83.1
131 9.1 7.2 10.8



#59
Bromoform
Concen: 46.432 ug/L
RT: 9.657 min Scan# 2680
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

Tgt Ion: 173 Resp: 162416
Ion Ratio Lower Upper
173 100
175 47.2 39.8 59.8
254 8.3 6.8 10.2

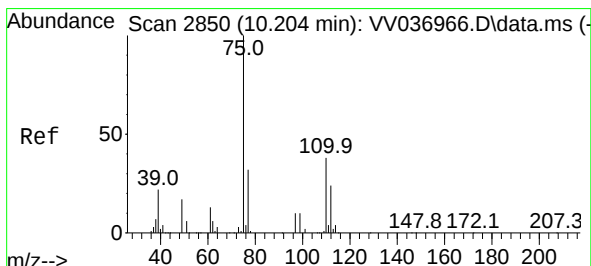
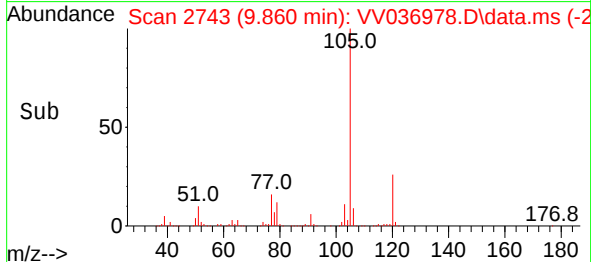
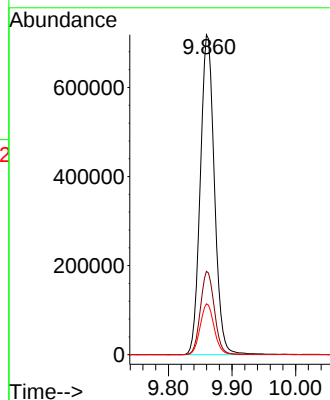
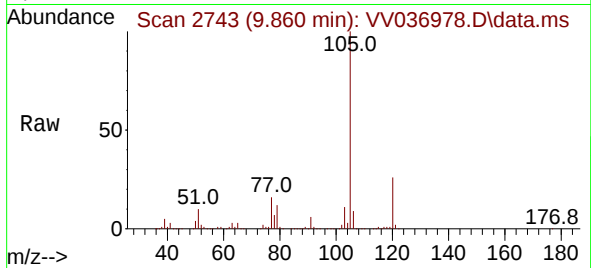




#60
Isopropylbenzene
Concen: 48.140 ug/L
RT: 9.860 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

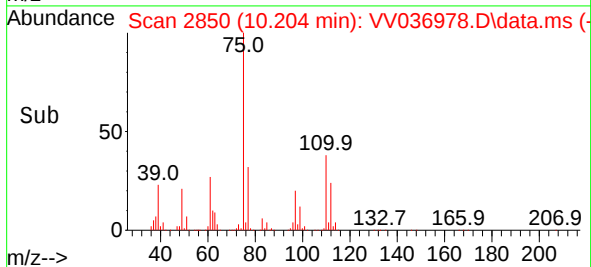
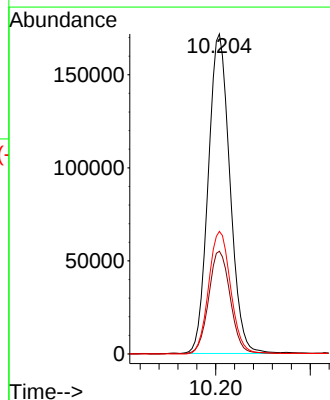
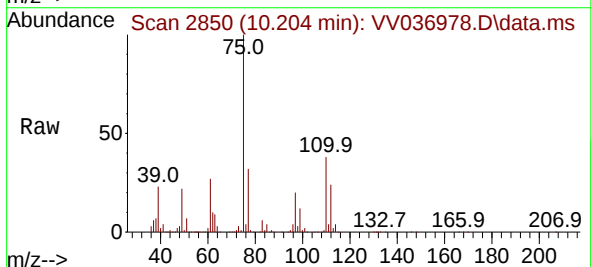
Instrument :
MSVOA_V
ClientSampleId :

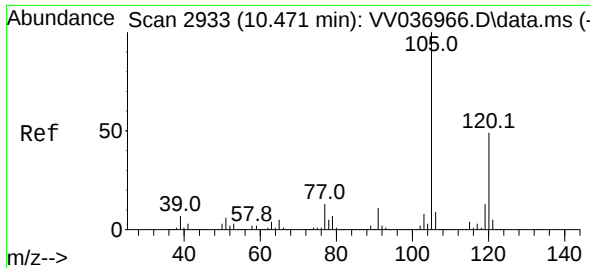
Tgt Ion:105 Resp: 1108138
Ion Ratio Lower Upper
105 100
120 25.8 20.3 30.5
77 15.7 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 48.031 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

Tgt Ion: 75 Resp: 273388
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.2
110 39.1 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 47.606 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. -0.000 min

Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

Instrument :

MSVOA_V

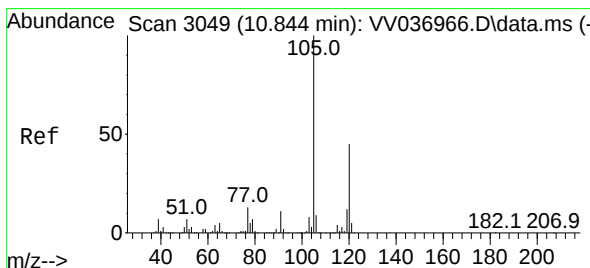
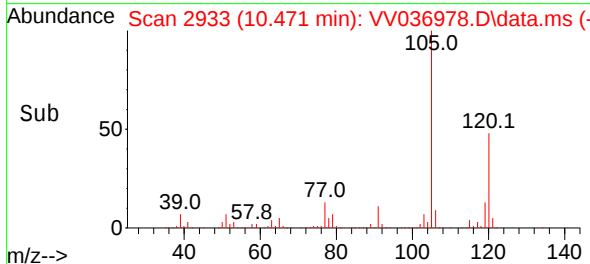
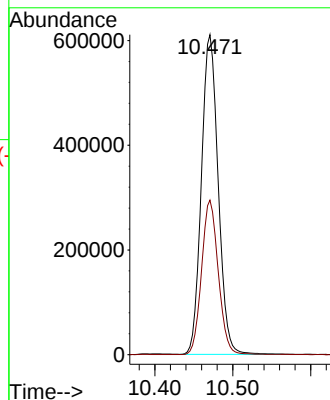
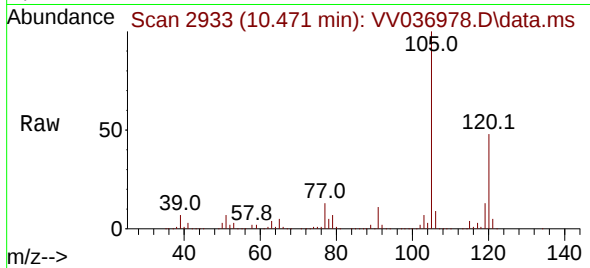
ClientSampleId :

Tgt Ion:105 Resp: 912348

Ion Ratio Lower Upper

105 100

120 48.0 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 47.705 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV036978.D

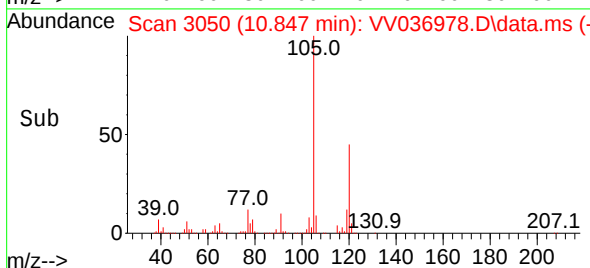
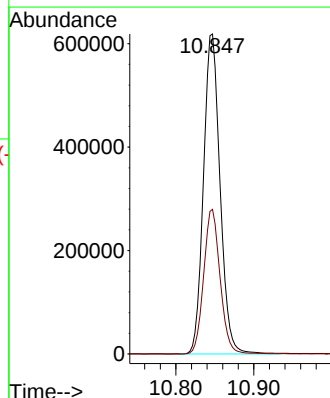
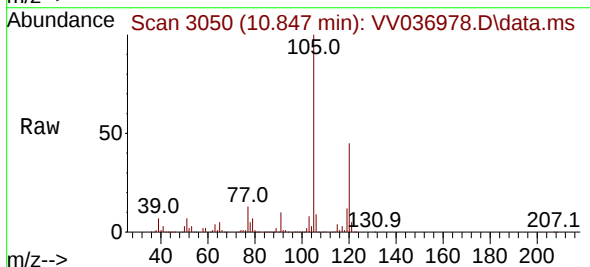
Acq: 19 Aug 2024 15:50

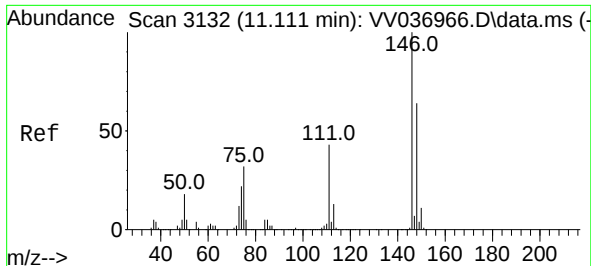
Tgt Ion:105 Resp: 915192

Ion Ratio Lower Upper

105 100

120 44.7 35.6 53.4

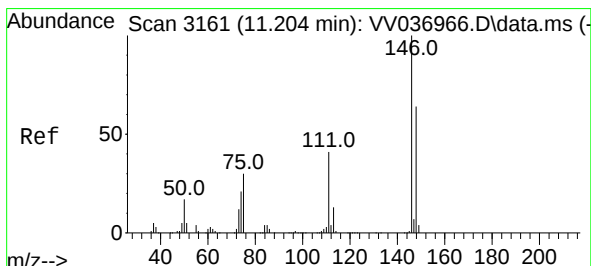
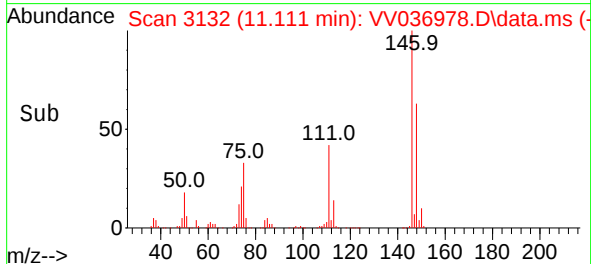
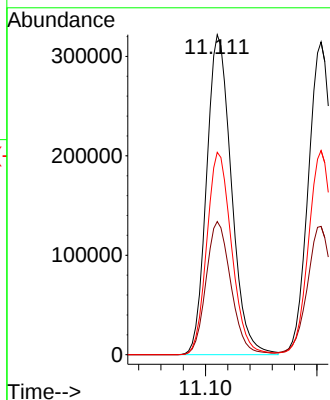
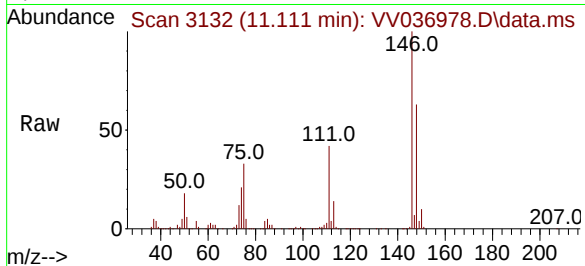




#64
1,3-Dichlorobenzene
Concen: 50.354 ug/L
RT: 11.111 min Scan# 3132
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

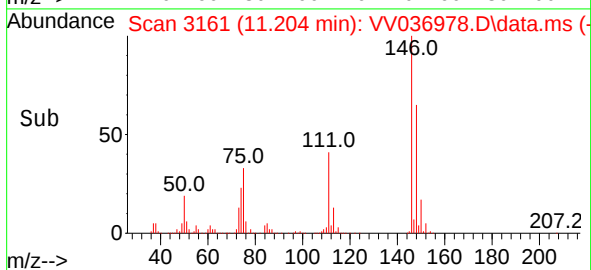
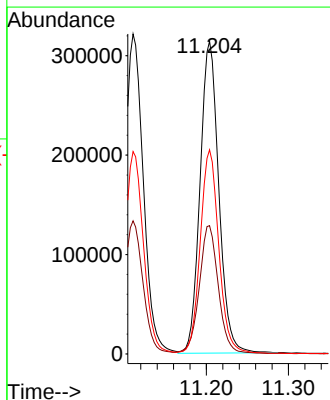
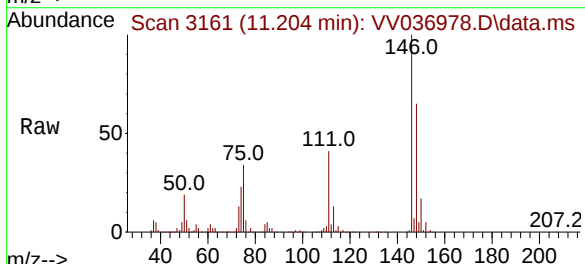
Instrument :
MSVOA_V
ClientSampleId :

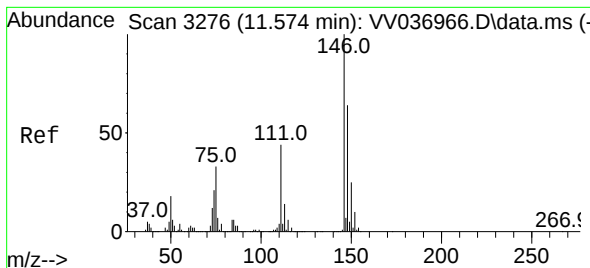
Tgt Ion:146 Resp: 498452
Ion Ratio Lower Upper
146 100
111 41.6 29.8 55.4
148 63.3 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 49.441 ug/L
RT: 11.204 min Scan# 3161
Delta R.T. -0.000 min
Lab File: VV036978.D
Acq: 19 Aug 2024 15:50

Tgt Ion:146 Resp: 497677
Ion Ratio Lower Upper
146 100
111 41.0 29.0 53.9
148 65.3 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 50.532 ug/L

RT: 11.574 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

Instrument :

MSVOA_V

ClientSampleId :

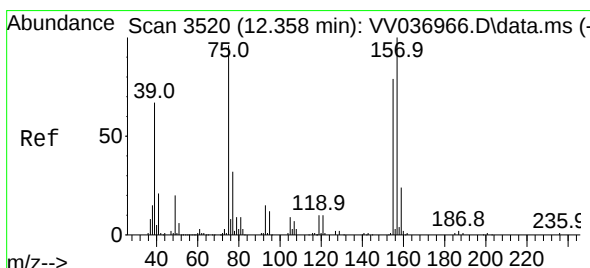
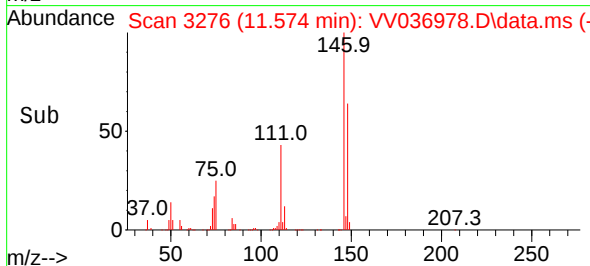
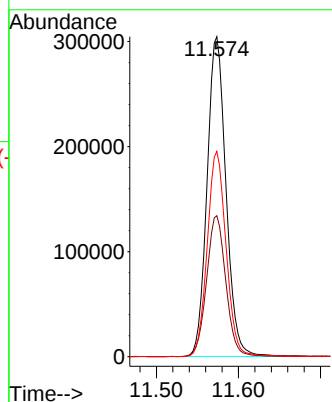
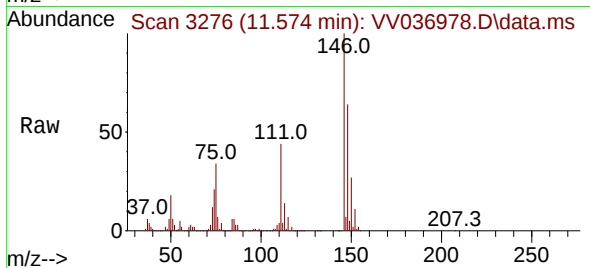
Tgt Ion:146 Resp: 488529

Ion Ratio Lower Upper

146 100

111 44.0 35.7 53.5

148 64.2 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 42.587 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.000 min

Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

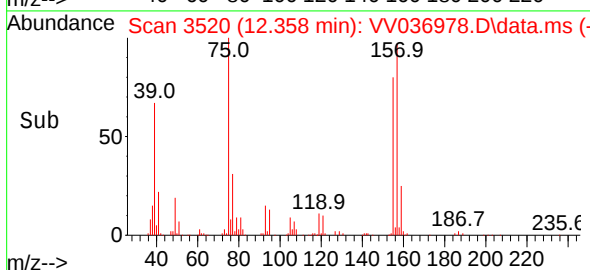
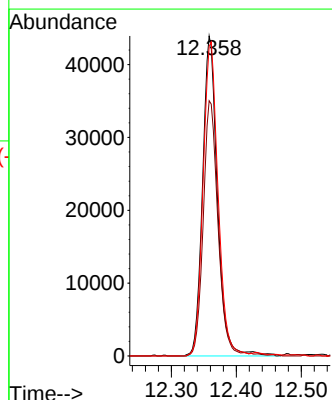
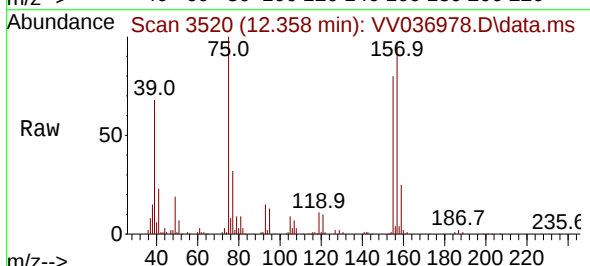
Tgt Ion: 75 Resp: 70049

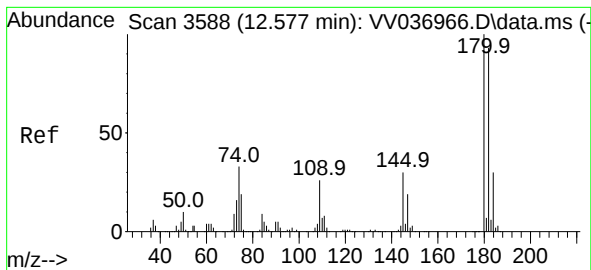
Ion Ratio Lower Upper

75 100

155 79.7 59.5 89.3

157 96.7 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 48.406 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.000 min

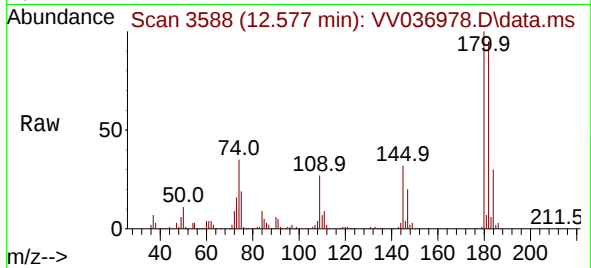
Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 340040

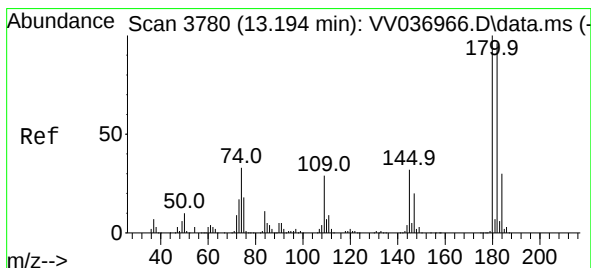
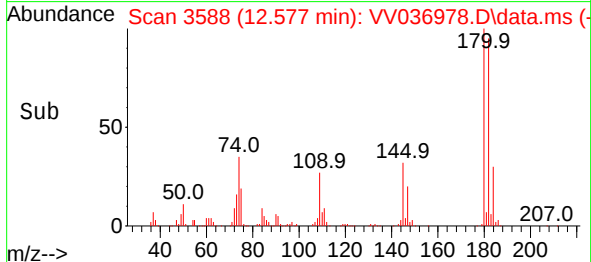
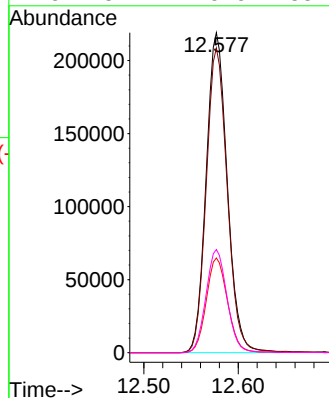
Ion Ratio Lower Upper

180 100

182 94.7 75.0 112.6

184 29.7 23.7 35.5

145 32.1 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 47.491 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. -0.003 min

Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

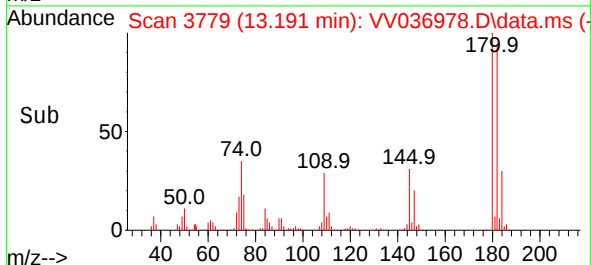
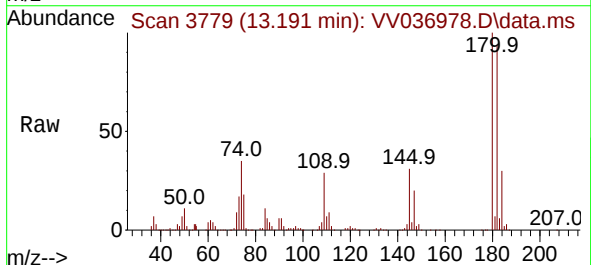
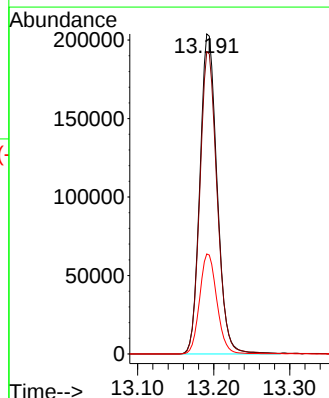
Tgt Ion:180 Resp: 319964

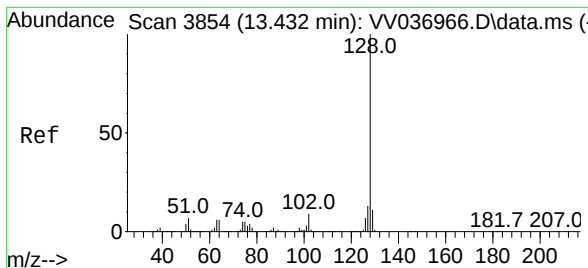
Ion Ratio Lower Upper

180 100

182 95.0 75.1 112.7

145 31.4 26.5 39.7





#71

Naphthalene

Concen: 45.140 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.000 min

Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

Instrument :

MSVOA_V

ClientSampleId :

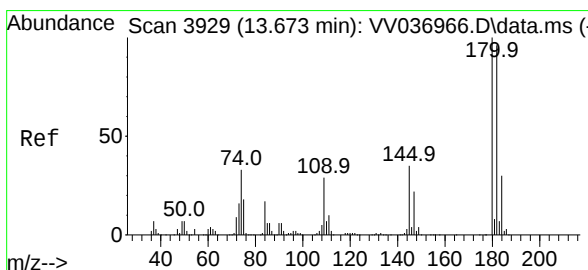
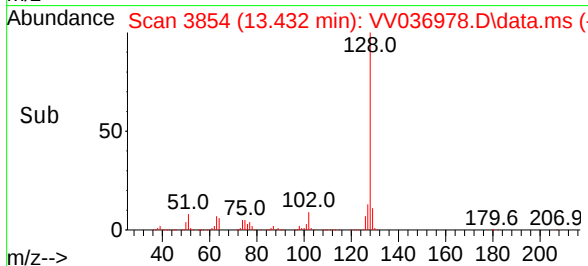
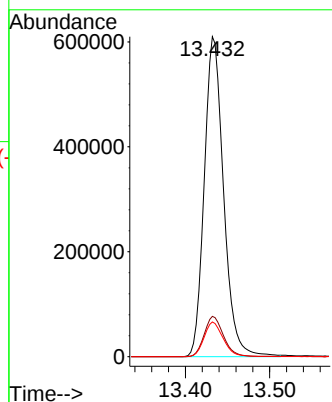
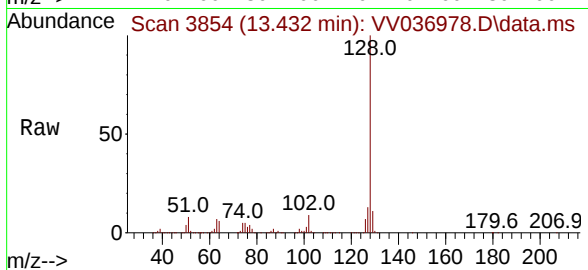
Tgt Ion:128 Resp: 975254

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 47.989 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV036978.D

Acq: 19 Aug 2024 15:50

Tgt Ion:180 Resp: 316490

Ion Ratio Lower Upper

180 100

182 96.2 76.2 114.2

145 34.5 27.8 41.6

