

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040924\
 Data File : VV035068.D
 Acq On : 09 Apr 2024 08:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 10 04:50:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 02:25:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	376477	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	366717	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	187360	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	153294	42.162	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.320%		
7) Chloroethane-d5	1.529	69	154967	49.072	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.140%		
11) 1,1-Dichloroethene-d2	2.056	65	69551	43.639	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.280%		
21) 2-Butanone-d5	3.783	46	218135	101.160	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	101.160%		
24) Chloroform-d	4.246	84	296915	48.571	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.140%		
26) 1,2-Dichloroethane-d4	4.937	65	183965	47.400	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.800%		
32) Benzene-d6	4.957	84	582115	47.257	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.520%		
36) 1,2-Dichloropropane-d6	5.985	67	188810	48.269	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.540%		
41) Toluene-d8	7.239	98	519928	46.867	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.740%		
43) trans-1,3-Dichloroprop...	7.551	79	82149	43.199	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.400%		
47) 2-Hexanone-d5	8.021	63	125961	85.171	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	85.170%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	263776	48.969	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.940%		
66) 1,2-Dichlorobenzene-d4	11.558	152	193678	46.041	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.080%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	123768	45.359	ug/L	99
3) Chloromethane	1.214	50	157614	44.932	ug/L	99
5) Vinyl chloride	1.285	62	167224	45.473	ug/L	98
6) Bromomethane	1.487	94	128643	46.668	ug/L	99
8) Chloroethane	1.545	64	119775	47.689	ug/L	97
9) Trichlorofluoromethane	1.712	101	232196	48.107	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	145925	49.395	ug/L	98
12) 1,1-Dichloroethene	2.069	96	131182	46.428	ug/L	90
13) Acetone	2.117	43	164401	83.044	ug/L	98
14) Carbon disulfide	2.240	76	331554	41.669	ug/L	100
15) Methyl Acetate	2.371	43	185711	59.528	ug/L	97
16) Methylene chloride	2.445	84	164524	53.739	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	135231	49.504	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	510458	53.201	ug/L	99
19) 1,1-Dichloroethane	3.108	63	306513	54.716	ug/L	97
20) cis-1,2-Dichloroethene	3.812	96	159826	51.524	ug/L	98
22) 2-Butanone	3.867	43	233731	101.745	ug/L	98
23) Bromochloromethane	4.143	128	81987	52.827	ug/L	96
25) Chloroform	4.272	83	301963	54.521	ug/L	99

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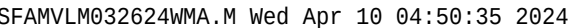
Instrument :
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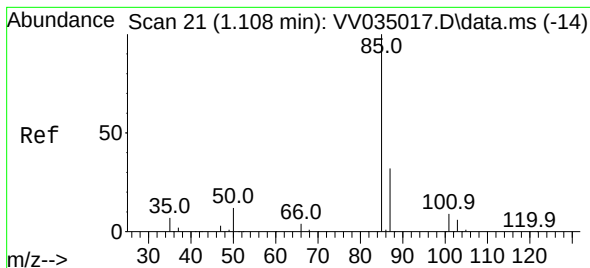
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	237316	53.817	ug/L	100
29) Cyclohexane	4.577	56	226182	49.244	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	251876	52.692	ug/L	99
31) Carbon tetrachloride	4.732	117	213952	52.807	ug/L	99
33) Benzene	5.005	78	622660	52.070	ug/L	100
34) Trichloroethene	5.828	95	162363	50.311	ug/L	98
35) Methylcyclohexane	6.047	83	234679	48.151	ug/L	97
37) 1,2-Dichloropropane	6.088	63	180693	54.678	ug/L	100
38) Bromodichloromethane	6.429	83	230097	53.965	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	255884	49.153	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	471122	111.660	ug/L	99
42) Toluene	7.310	91	655455	52.355	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	241817	50.560	ug/L	98
45) 1,1,2-Trichloroethane	7.764	97	171343	55.010	ug/L	99
46) Tetrachloroethene	7.902	164	117386	52.064	ug/L	97
48) 2-Hexanone	8.072	43	376552	104.932	ug/L	98
49) Dibromochloromethane	8.172	129	168890	54.746	ug/L	99
50) 1,2-Dibromoethane	8.278	107	173363	51.697	ug/L	96
51) Chlorobenzene	8.812	112	424622	52.332	ug/L	99
52) Ethylbenzene	8.944	91	726035	52.327	ug/L	99
53) m,p-Xylene	9.069	106	261671	51.211	ug/L	97
54) o-Xylene	9.474	106	265282	52.472	ug/L	98
55) Styrene	9.493	104	461452	54.011	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	282324	55.943	ug/L	99
59) Bromoform	9.661	173	125198	58.310	ug/L	100
60) Isopropylbenzene	9.863	105	722207	53.469	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	222926	54.908	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	464957	53.004	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	577158	53.215	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	331353	52.495	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	341186	53.153	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	342233	54.426	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	59855	53.512	ug/L	93
69) 1,3,5-Trichlorobenzene	12.580	180	237256	52.154	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	208060	49.790	ug/L	99
71) Naphthalene	13.435	128	494200	42.627	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	212361	51.556	ug/L	99

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

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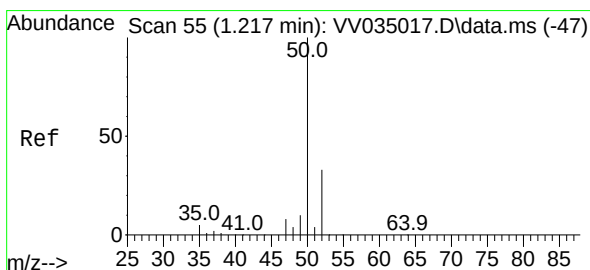
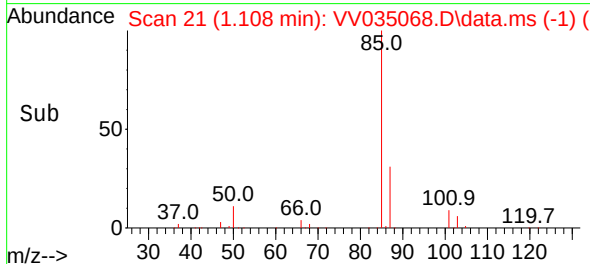
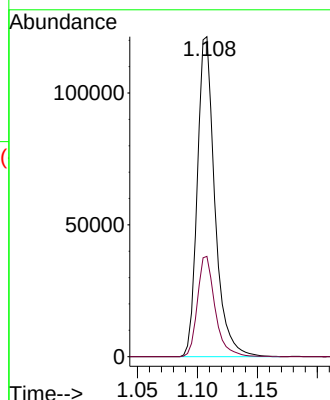
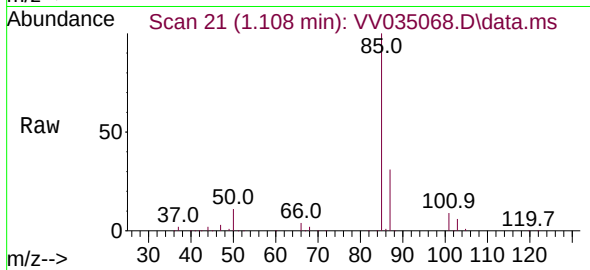




#2
 Dichlorodifluoromethane
 Concen: 45.359 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV035068.D
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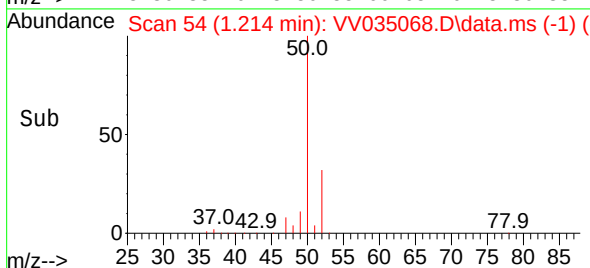
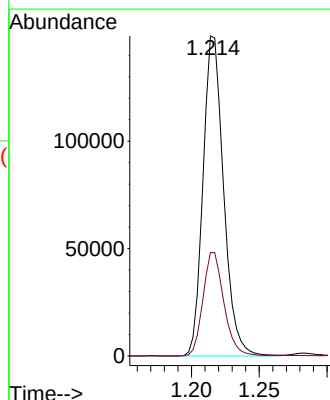
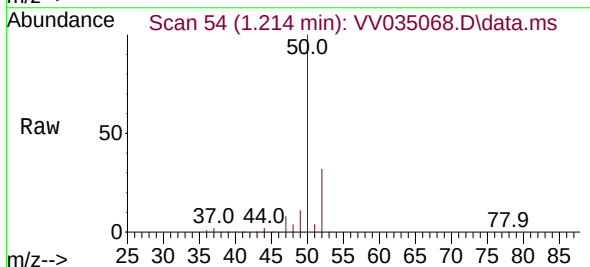
Instrument :
 MSVOA_V
 ClientSampleId :

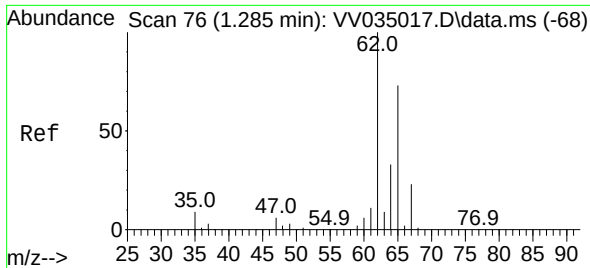
Tgt Ion: 85 Resp: 123768
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.7 38.5



#3
 Chloromethane
 Concen: 44.932 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV035068.D
 Acq: 09 Apr 2024 08:58

Tgt Ion: 50 Resp: 157614
 Ion Ratio Lower Upper
 50 100
 52 32.3 23.0 42.8

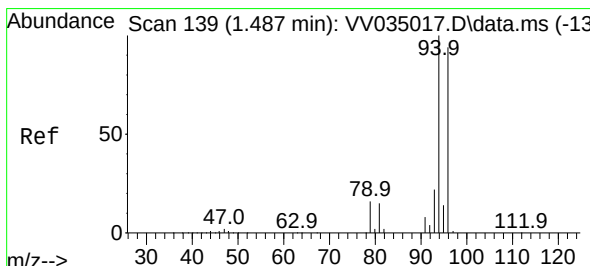
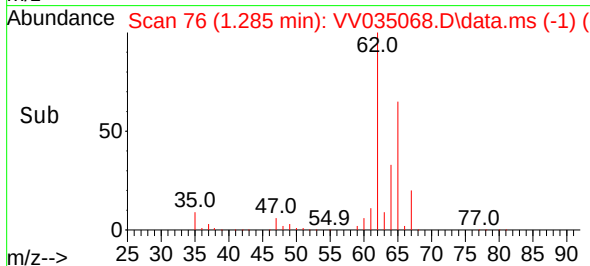
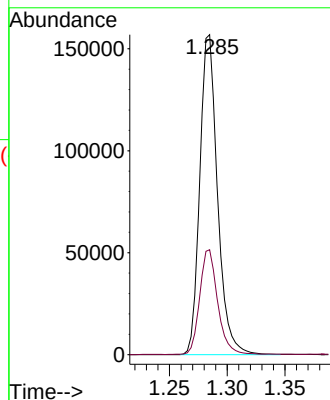
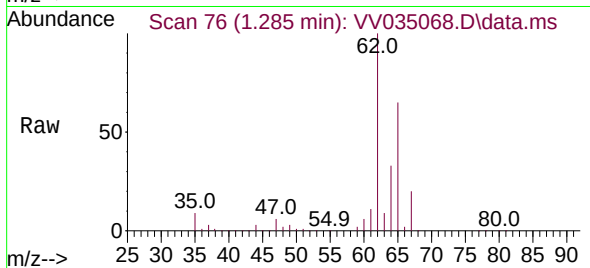




#5
 Vinyl chloride
 Concen: 45.473 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV035068.D
 Acq: 09 Apr 2024 08:58

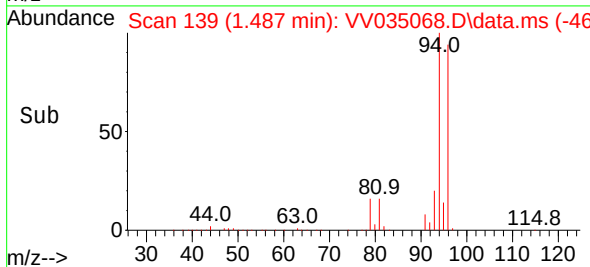
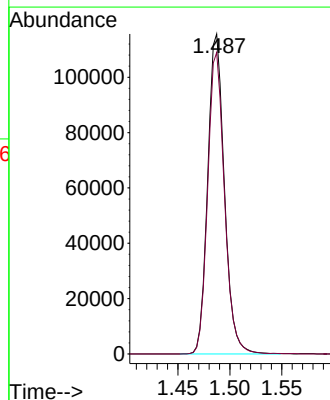
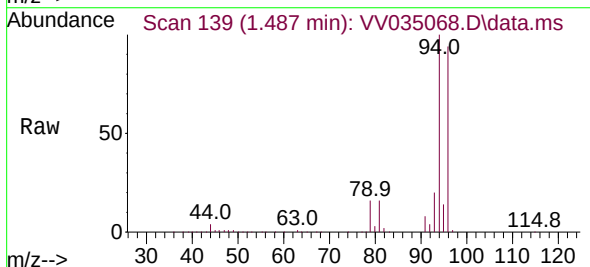
Instrument :
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 ClientSampleId :

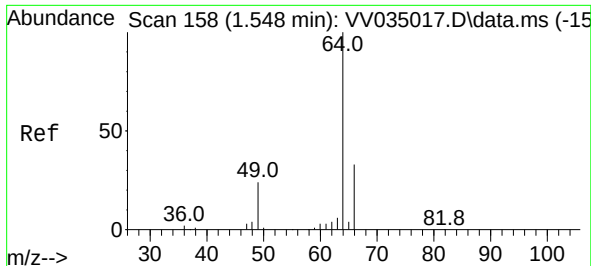
Tgt Ion: 62 Resp: 167224
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.6 43.8



#6
 Bromomethane
 Concen: 46.668 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV035068.D
 Acq: 09 Apr 2024 08:58

Tgt Ion: 94 Resp: 128643
 Ion Ratio Lower Upper
 94 100
 96 94.2 66.3 123.1

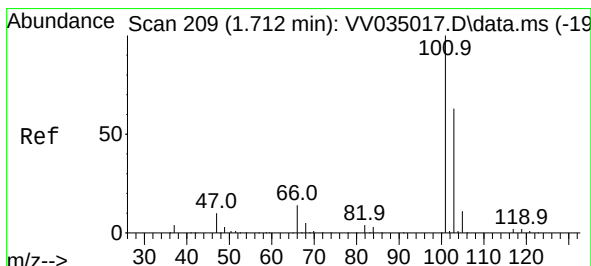
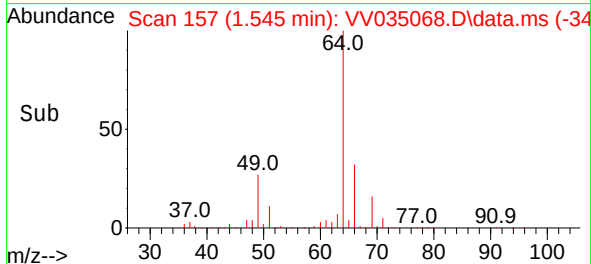
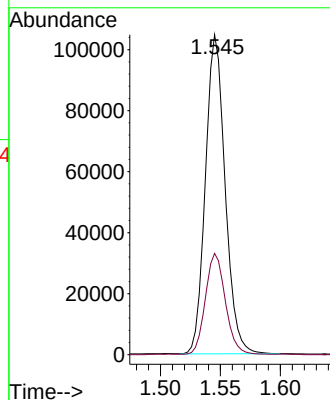
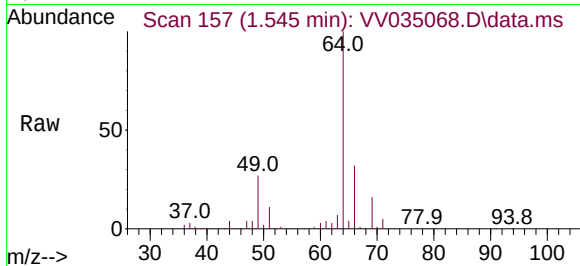




#8
Chloroethane
Concen: 47.689 ug/L
RT: 1.545 min Scan# 158
Delta R.T. -0.003 min
Lab File: VV035068.D
Acq: 09 Apr 2024 08:58

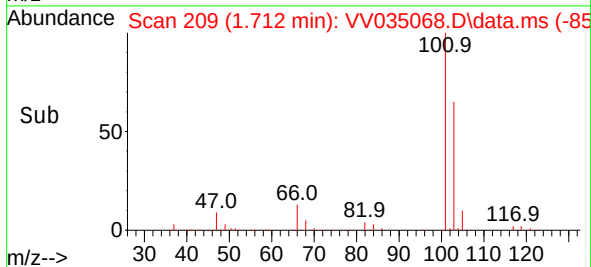
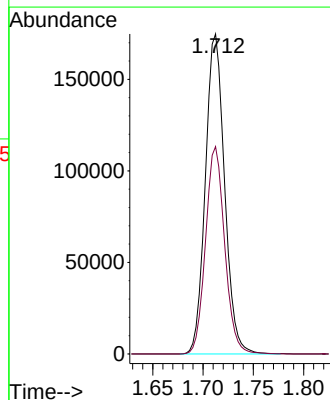
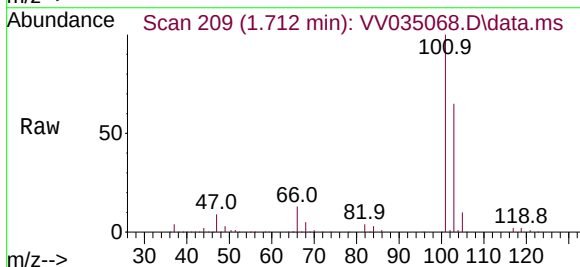
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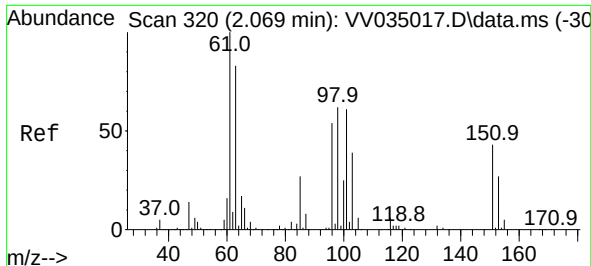
Tgt Ion: 64 Resp: 119775
Ion Ratio Lower Upper
64 100
66 31.7 23.2 43.2



#9
Trichlorofluoromethane
Concen: 48.107 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV035068.D
Acq: 09 Apr 2024 08:58

Tgt Ion:101 Resp: 232196
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4





#10

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

Concen: 49.395 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

ClientSampleId :

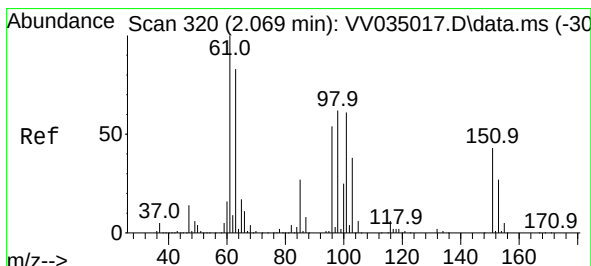
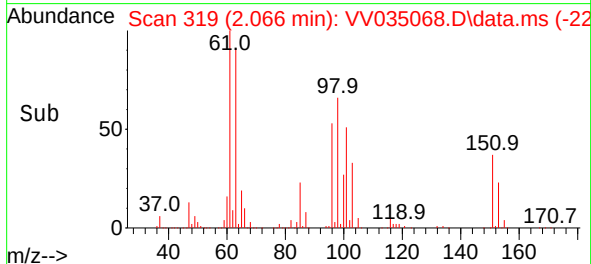
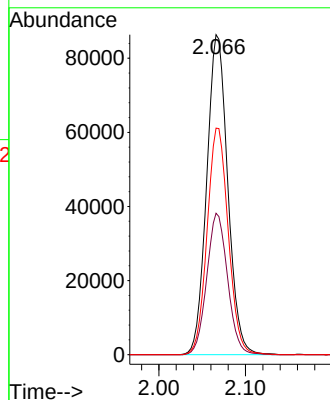
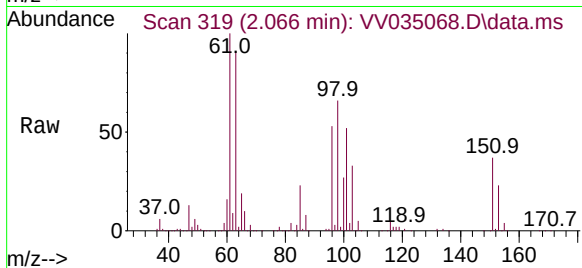
Tgt Ion:101 Resp: 145925

Ion Ratio Lower Upper

101 100

85 43.7 35.3 52.9

151 71.1 55.0 82.4



#12

1,1-Dichloroethene

Concen: 46.428 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

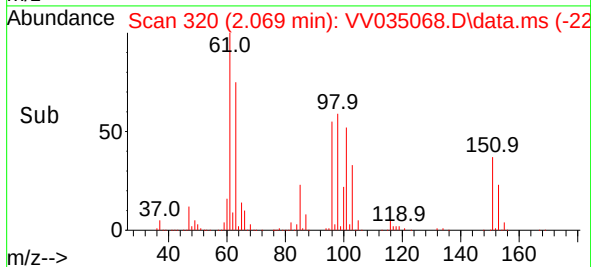
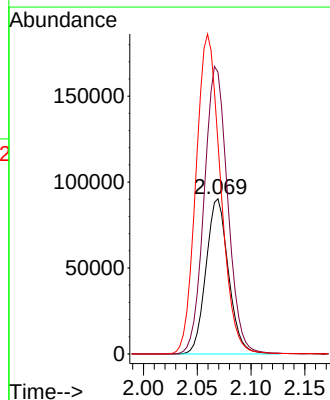
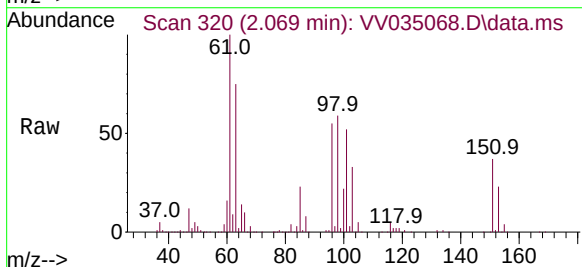
Tgt Ion: 96 Resp: 131182

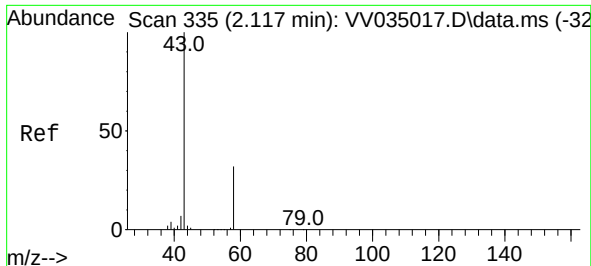
Ion Ratio Lower Upper

96 100

61 181.7 131.5 244.3

63 136.4 111.4 206.8





#13

Acetone

Concen: 83.044 ug/L

RT: 2.117 min Scan# 341

Delta R.T. 0.000 min

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Instrument :

MSVOA_V

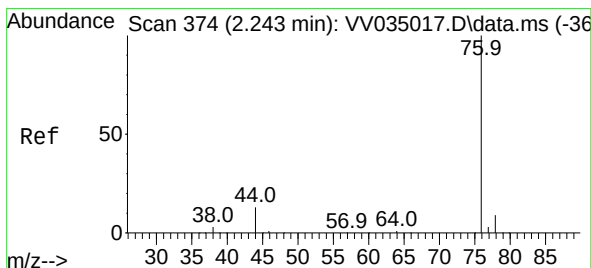
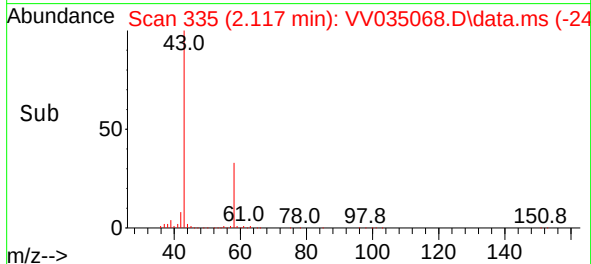
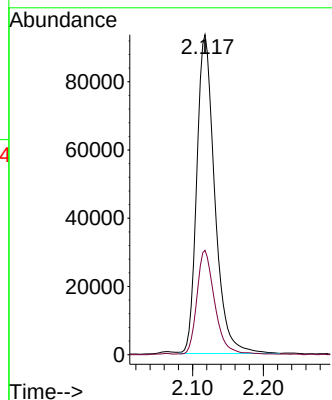
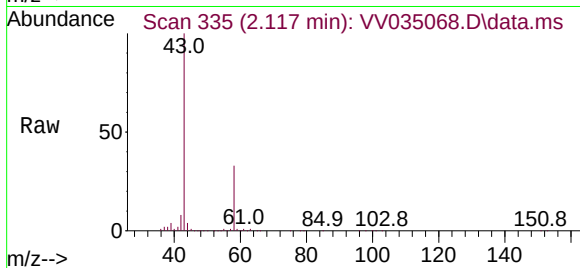
ClientSampleId :

Tgt Ion: 43 Resp: 164401

Ion Ratio Lower Upper

43 100

58 31.6 0.0 66.0



#14

Carbon disulfide

Concen: 41.669 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV035068.D

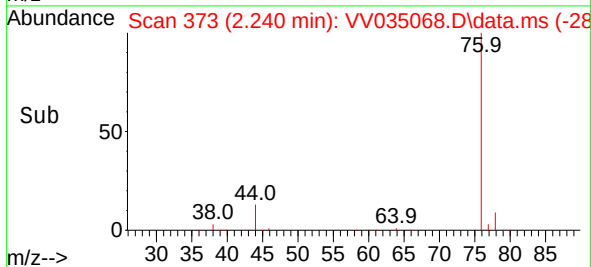
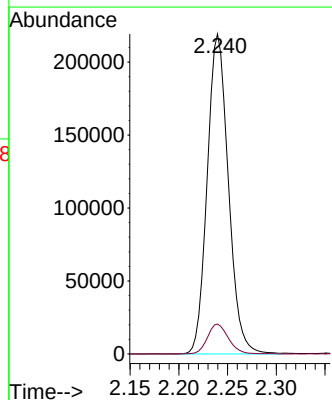
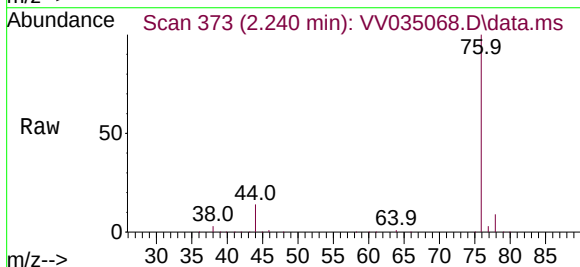
Acq: 09 Apr 2024 08:58

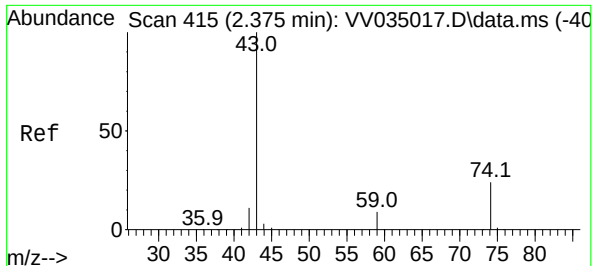
Tgt Ion: 76 Resp: 331554

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





#15

Methyl Acetate

Concen: 59.528 ug/L

RT: 2.371 min Scan# 415

Delta R.T. -0.003 min

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Instrument :

MSVOA_V

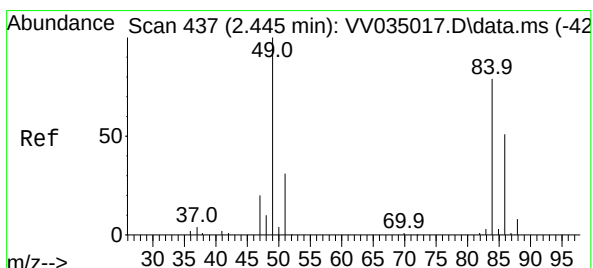
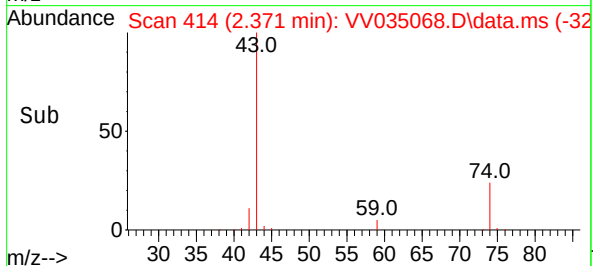
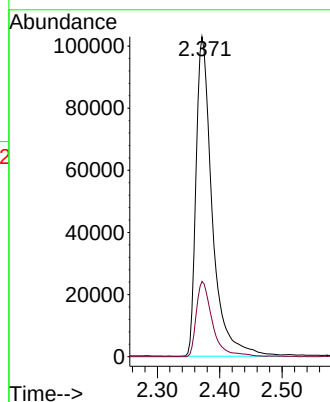
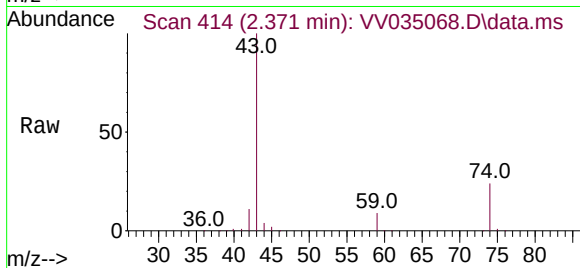
ClientSampleId :

Tgt Ion: 43 Resp: 185711

Ion Ratio Lower Upper

43 100

74 23.5 19.8 29.8



#16

Methylene chloride

Concen: 53.739 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

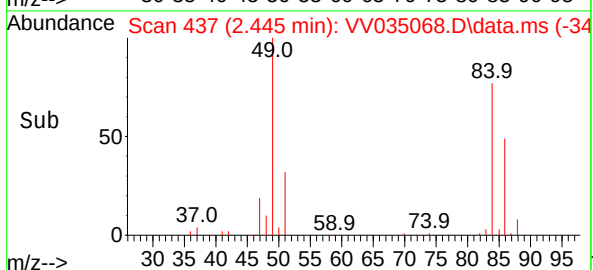
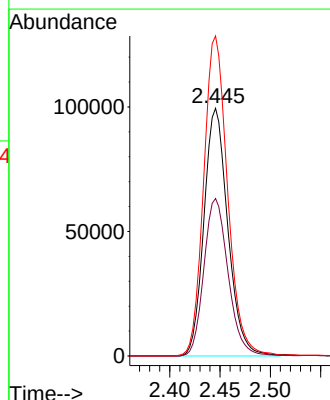
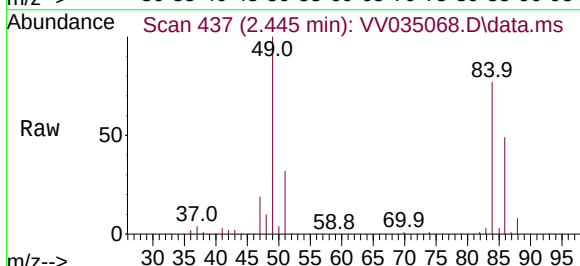
Tgt Ion: 84 Resp: 164524

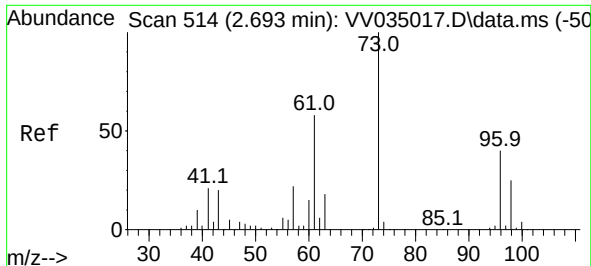
Ion Ratio Lower Upper

84 100

86 63.6 44.6 82.8

49 129.2 86.9 161.3





#17

trans-1,2-Dichloroethene

Concen: 49.504 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.000 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

ClientSampleId :

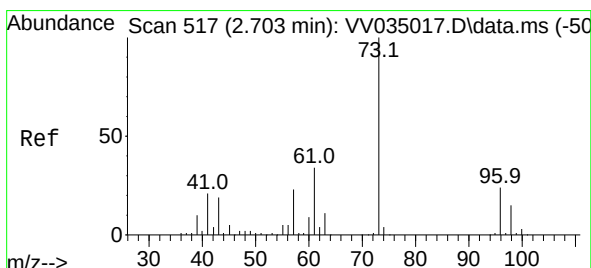
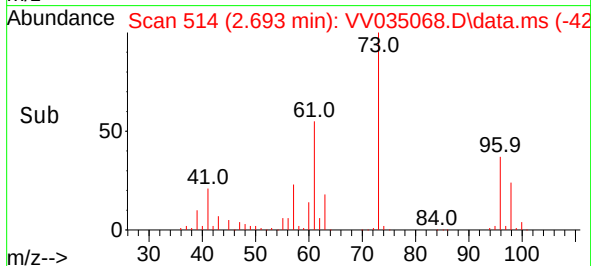
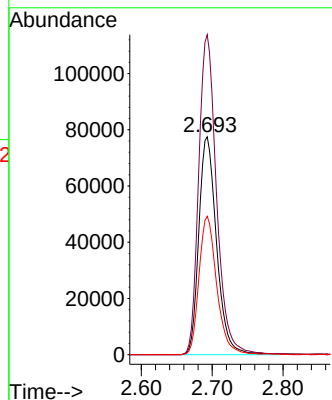
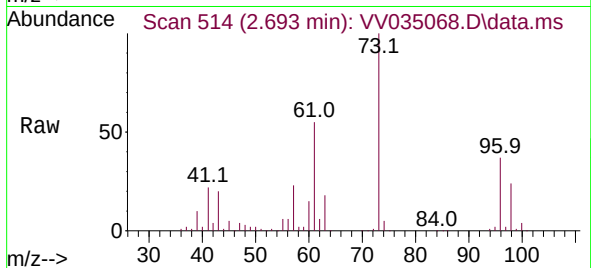
Tgt Ion: 96 Resp: 135231

Ion Ratio Lower Upper

96 100

61 146.8 99.0 183.8

98 63.5 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 53.201 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

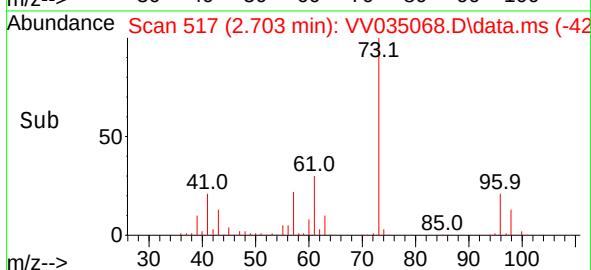
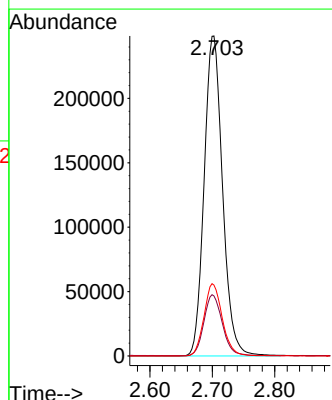
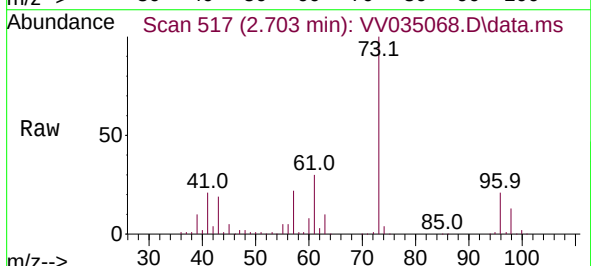
Tgt Ion: 73 Resp: 510458

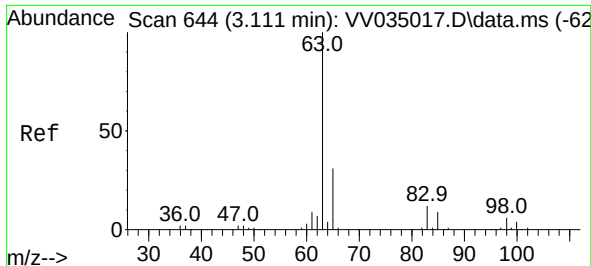
Ion Ratio Lower Upper

73 100

43 19.0 14.6 21.8

57 22.4 17.6 26.4





#19

1,1-Dichloroethane

Concen: 54.716 ug/L

RT: 3.108 min Scan# 644

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

ClientSampleId :

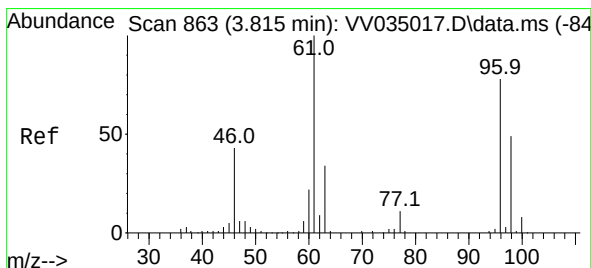
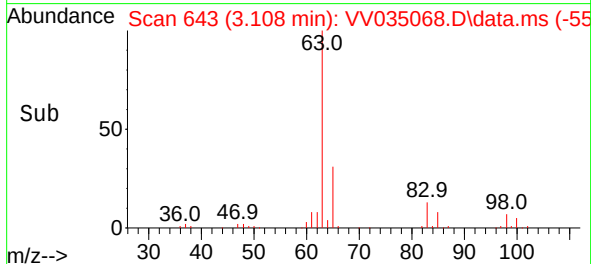
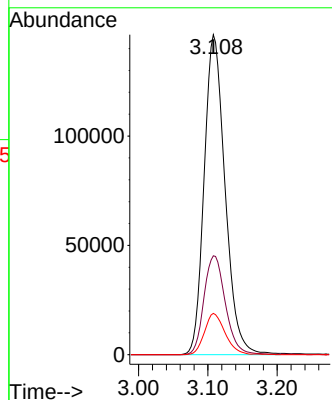
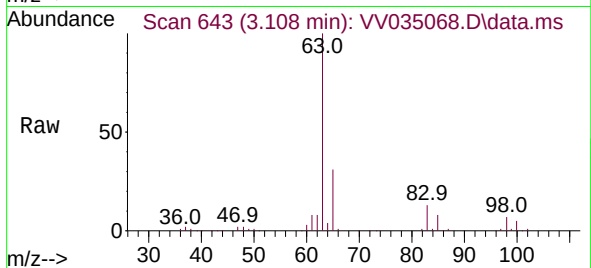
Tgt Ion: 63 Resp: 306513

Ion Ratio Lower Upper

63 100

65 30.9 23.0 42.6

83 12.9 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 51.524 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

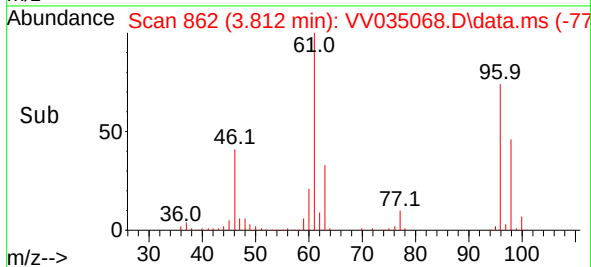
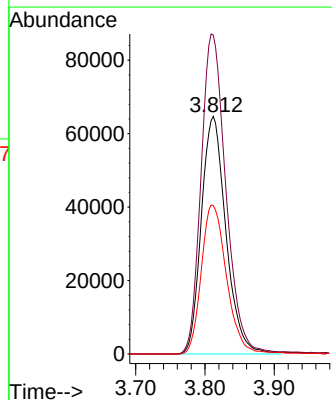
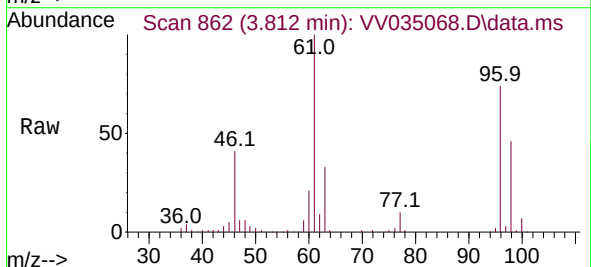
Tgt Ion: 96 Resp: 159826

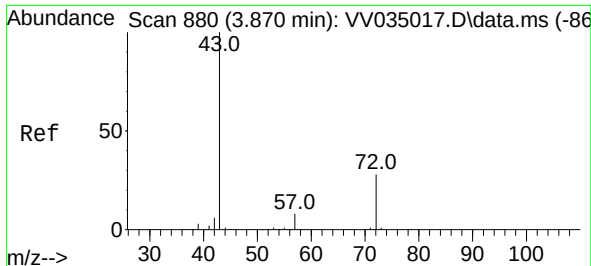
Ion Ratio Lower Upper

96 100

61 134.3 94.9 176.3

98 62.4 45.6 84.8





#22

2-Butanone

Concen: 101.745 ug/L

RT: 3.867 min Scan# 81

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

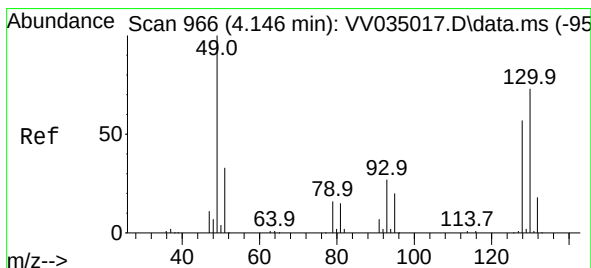
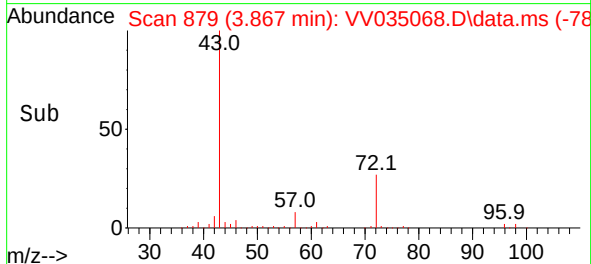
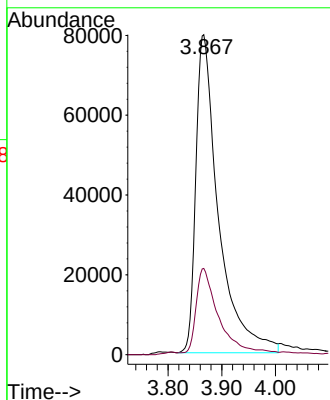
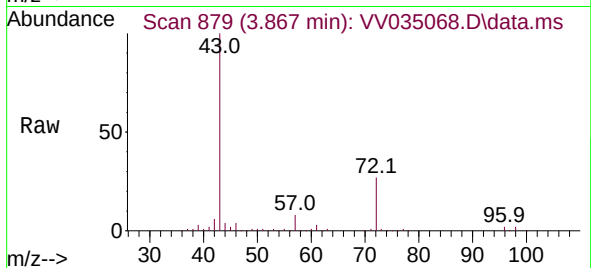
ClientSampleId :

Tgt Ion: 43 Resp: 233731

Ion Ratio Lower Upper

43 100

72 25.1 13.2 39.6



#23

Bromochloromethane

Concen: 52.827 ug/L

RT: 4.143 min Scan# 965

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Tgt Ion:128 Resp: 81987

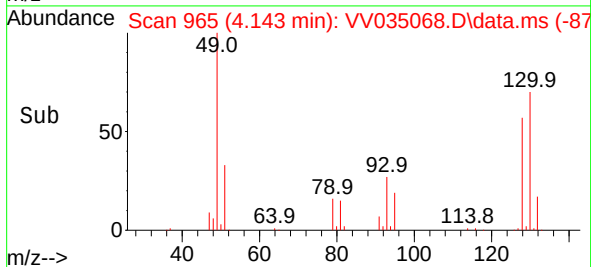
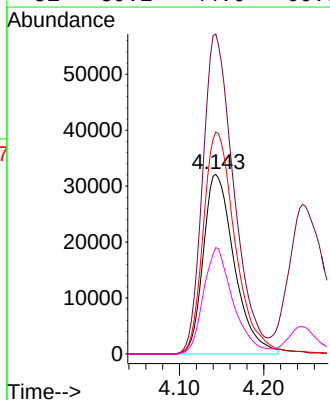
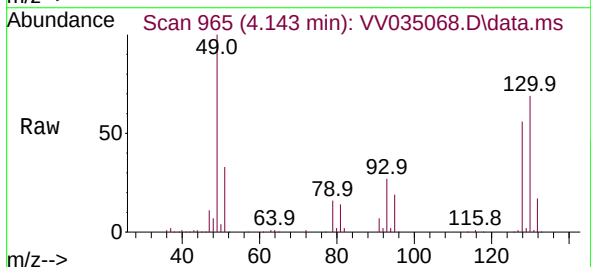
Ion Ratio Lower Upper

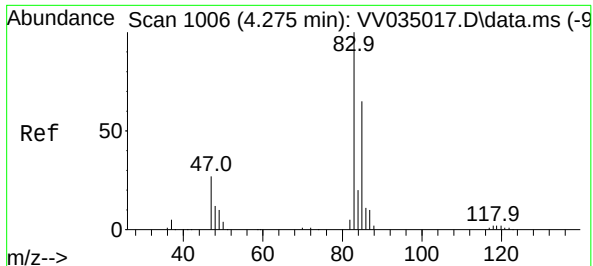
128 100

49 178.2 123.8 229.8

130 123.5 93.2 173.0

51 59.2 44.0 66.0





#25

Chloroform

Concen: 54.521 ug/L

RT: 4.272 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

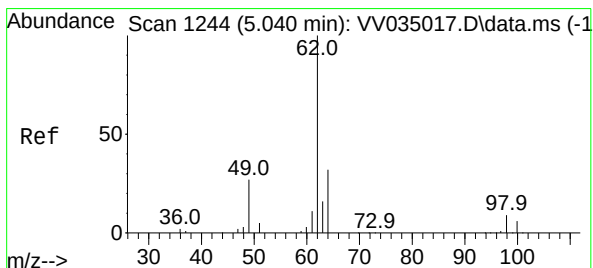
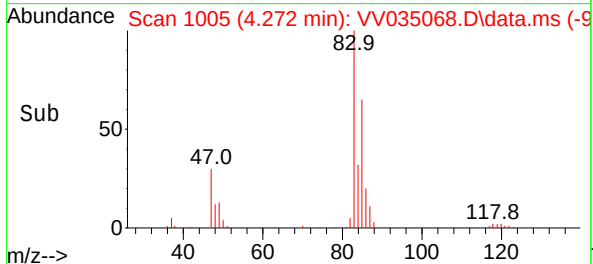
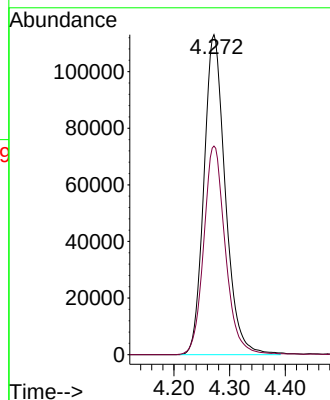
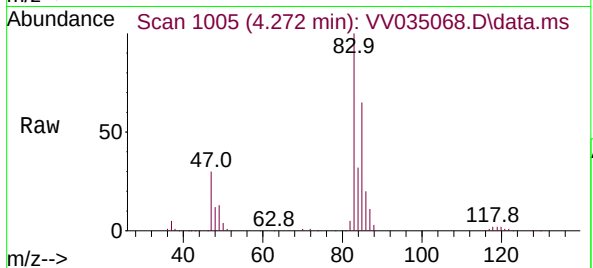
ClientSampleId :

Tgt Ion: 83 Resp: 301963

Ion Ratio Lower Upper

83 100

85 65.2 46.0 85.4



#27

1,2-Dichloroethane

Concen: 53.817 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV035068.D

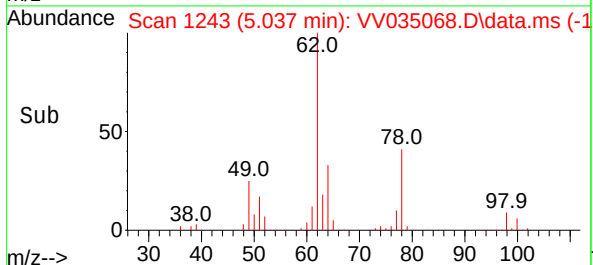
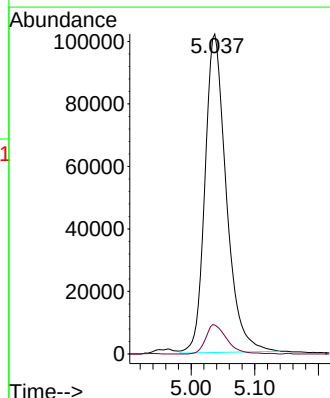
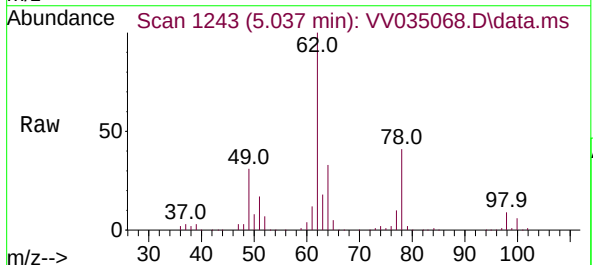
Acq: 09 Apr 2024 08:58

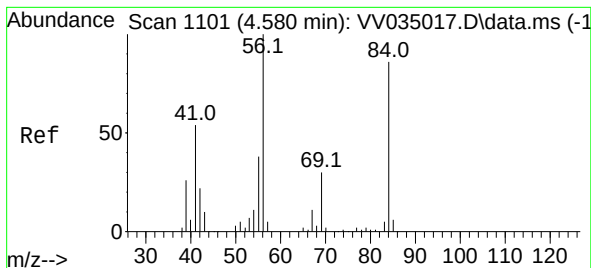
Tgt Ion: 62 Resp: 237316

Ion Ratio Lower Upper

62 100

98 9.1 7.2 10.8





#29

Cyclohexane

Concen: 49.244 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

ClientSampleId :

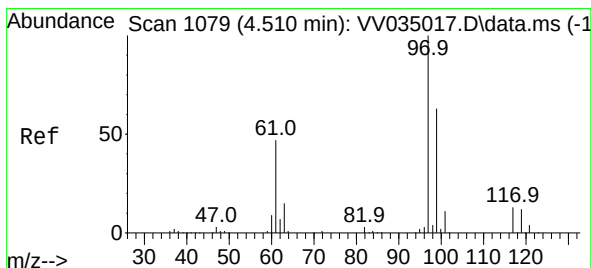
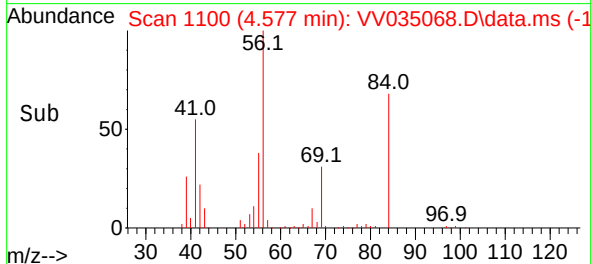
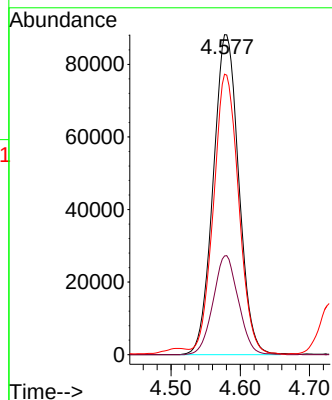
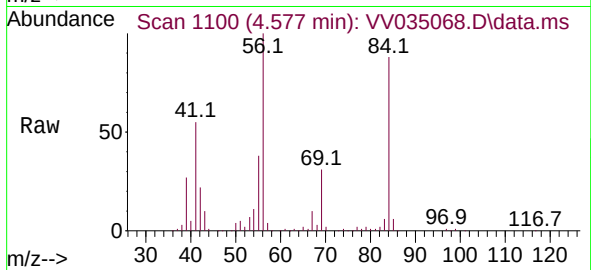
Tgt Ion: 56 Resp: 226182

Ion Ratio Lower Upper

56 100

69 30.6 24.2 36.2

84 86.1 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 52.692 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

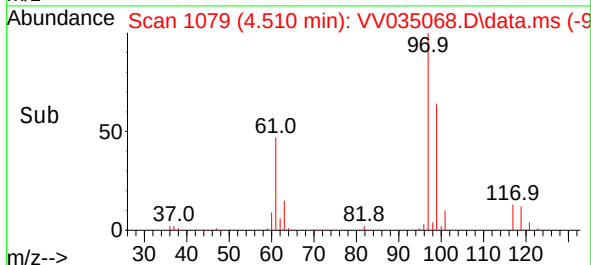
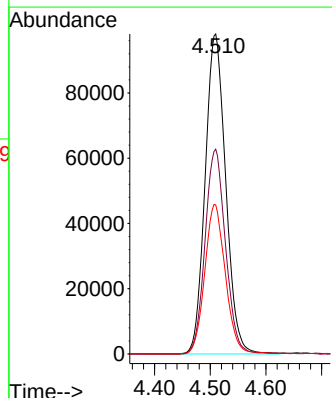
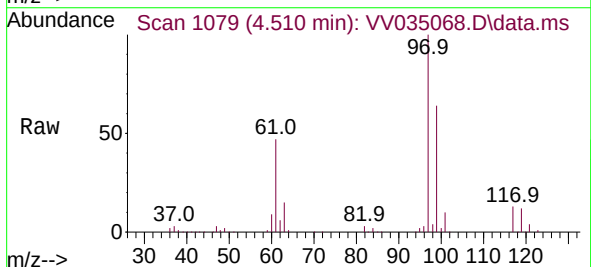
Tgt Ion: 97 Resp: 251876

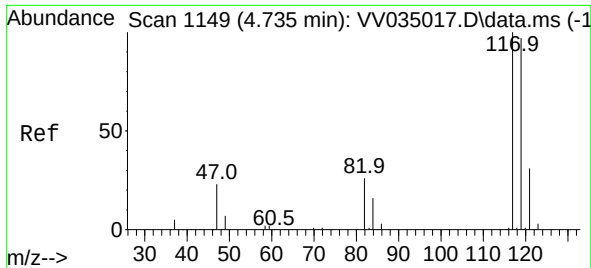
Ion Ratio Lower Upper

97 100

99 63.4 51.0 76.4

61 47.0 36.8 55.2

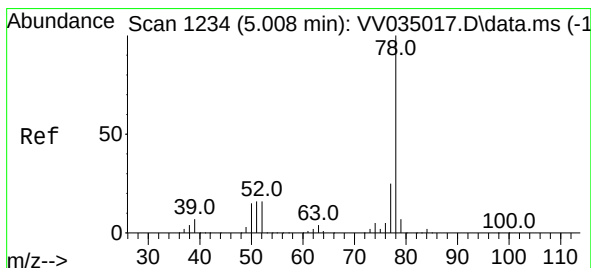
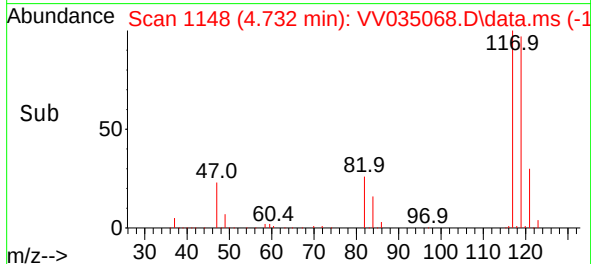
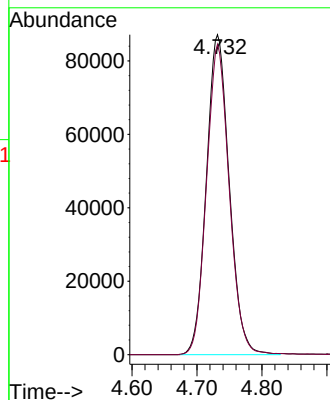
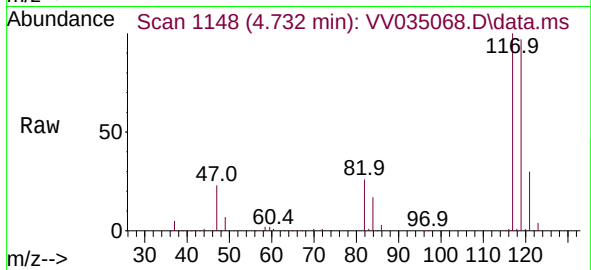




#31
Carbon tetrachloride
Concen: 52.807 ug/L
RT: 4.732 min Scan# 1149
Delta R.T. -0.003 min
Lab File: VV035068.D
Acq: 09 Apr 2024 08:58

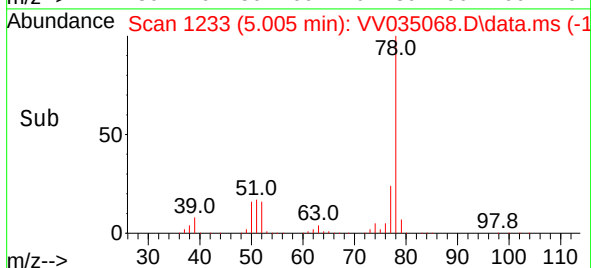
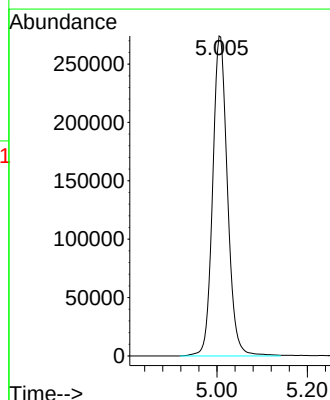
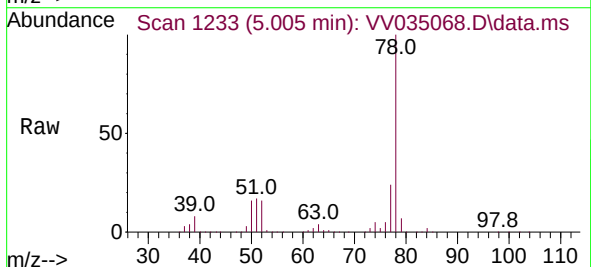
Instrument :
MSVOA_V
ClientSampleId :

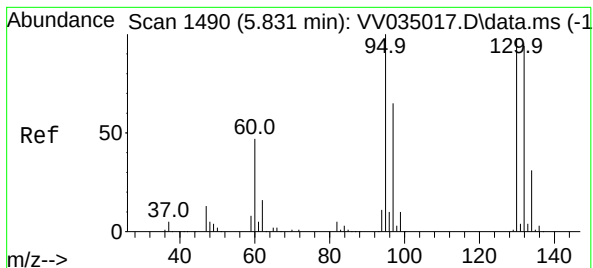
Tgt Ion:117 Resp: 213952
Ion Ratio Lower Upper
117 100
119 95.9 77.1 115.7



#33
Benzene
Concen: 52.070 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.003 min
Lab File: VV035068.D
Acq: 09 Apr 2024 08:58

Tgt Ion: 78 Resp: 622660





#34

Trichloroethene

Concen: 50.311 ug/L

RT: 5.828 min Scan# 1490

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 162363

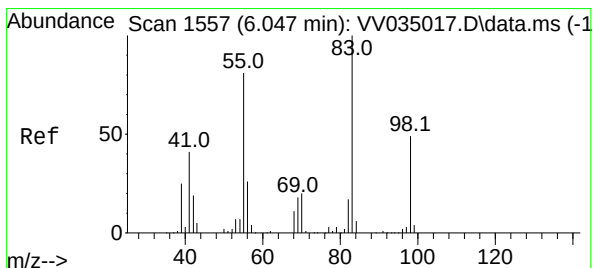
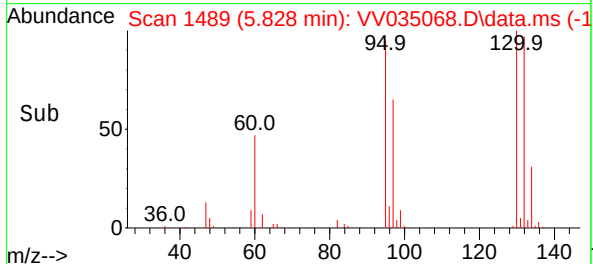
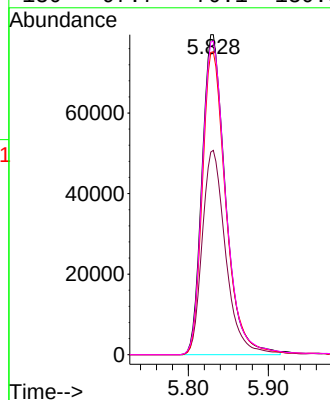
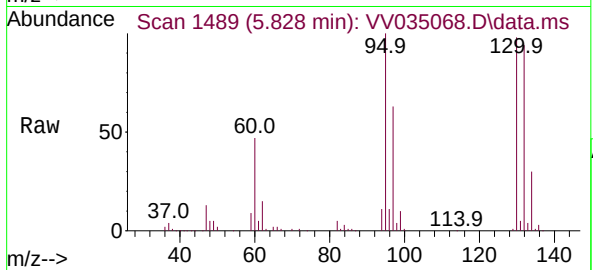
Ion Ratio Lower Upper

95 100

97 63.3 45.3 84.1

132 94.5 65.3 121.3

130 97.7 70.1 130.3



#35

Methylcyclohexane

Concen: 48.151 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

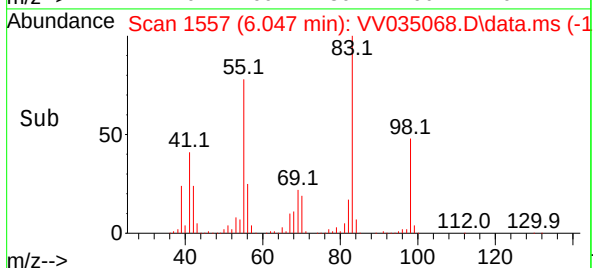
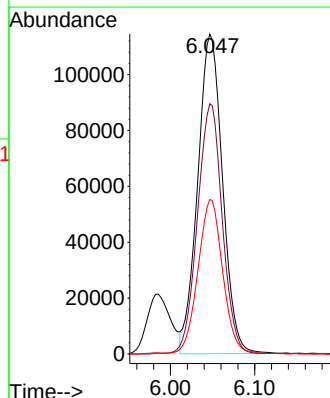
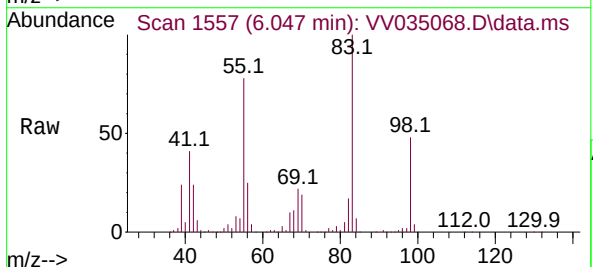
Tgt Ion: 83 Resp: 234679

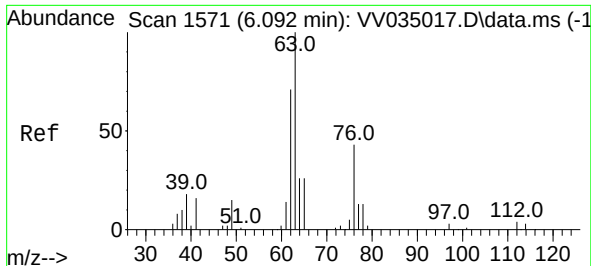
Ion Ratio Lower Upper

83 100

55 78.0 60.0 90.0

98 48.0 37.6 56.4





#37

1,2-Dichloropropane

Concen: 54.678 ug/L

RT: 6.088 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

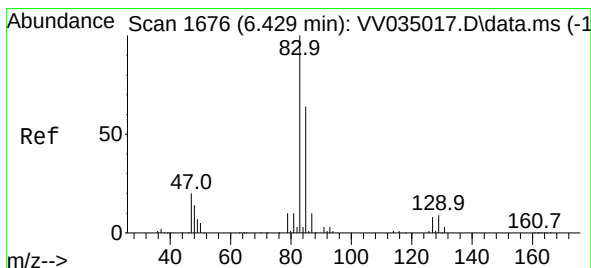
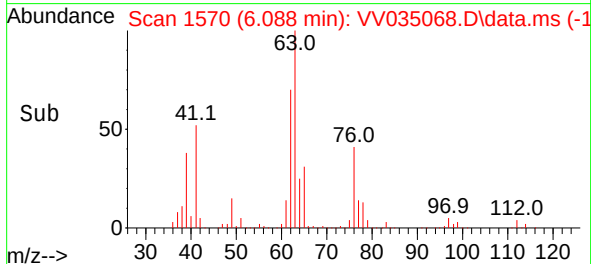
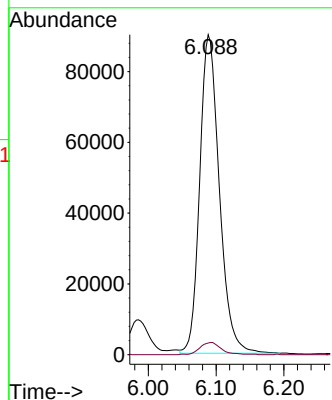
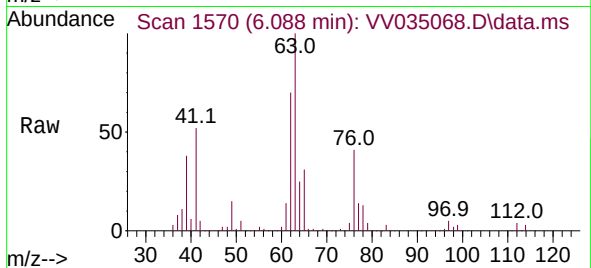
ClientSampleId :

Tgt Ion: 63 Resp: 180693

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 53.965 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

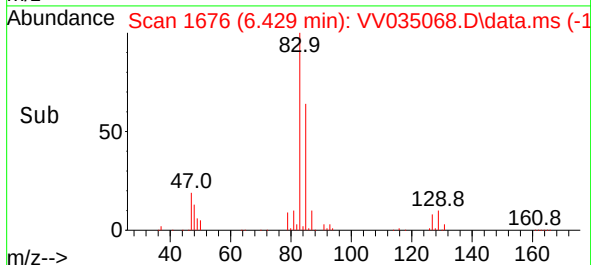
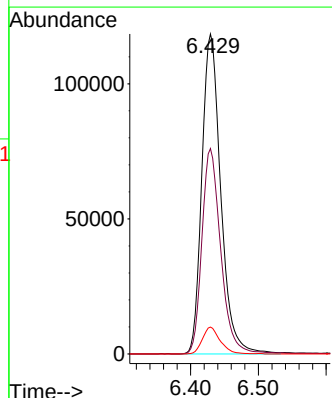
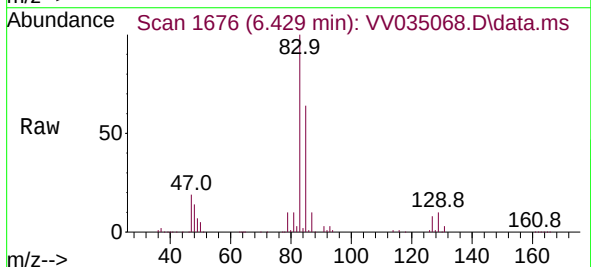
Tgt Ion: 83 Resp: 230097

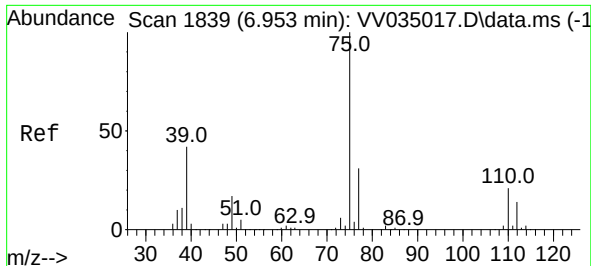
Ion Ratio Lower Upper

83 100

85 64.2 43.7 81.1

127 8.4 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 49.153 ug/L

RT: 6.950 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

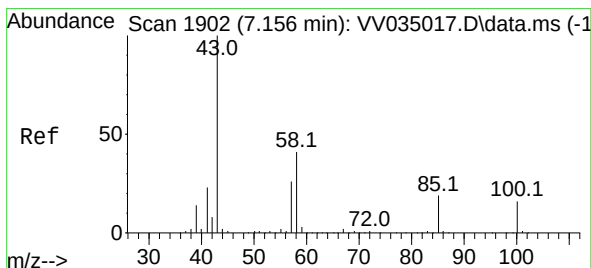
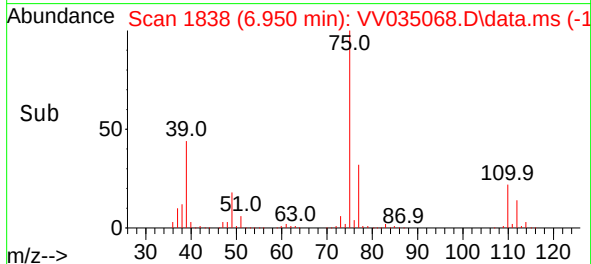
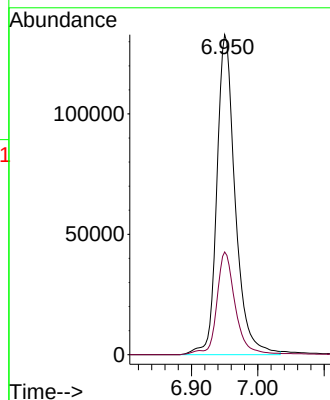
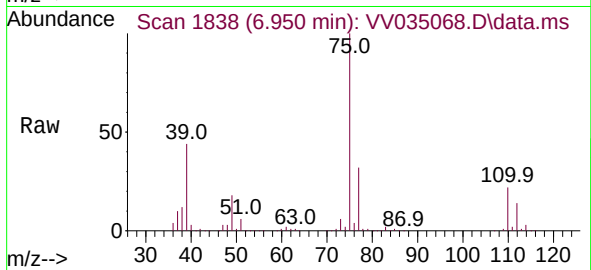
ClientSampleId :

Tgt Ion: 75 Resp: 255884

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 111.660 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

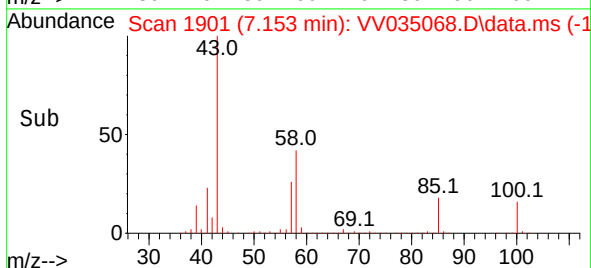
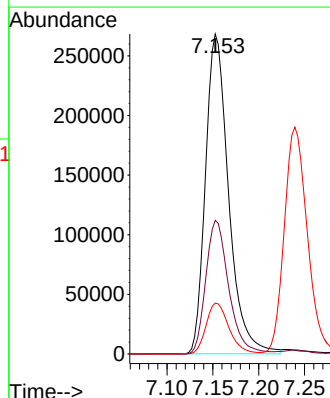
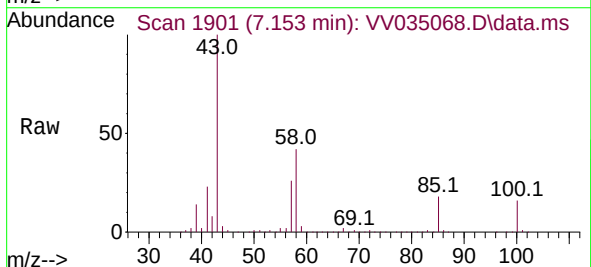
Tgt Ion: 43 Resp: 471122

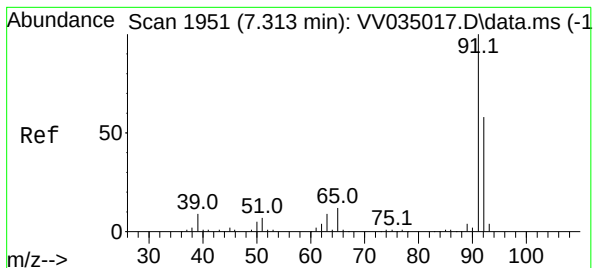
Ion Ratio Lower Upper

43 100

58 41.5 33.8 50.8

100 15.8 13.0 19.4





#42

Toluene

Concen: 52.355 ug/L

RT: 7.310 min Scan# 1951

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

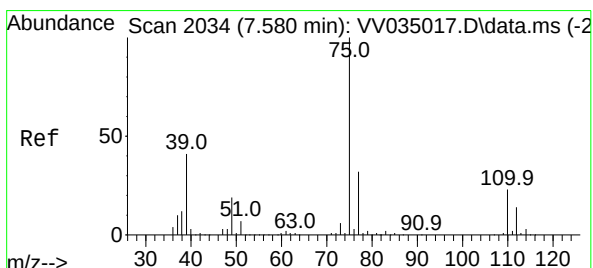
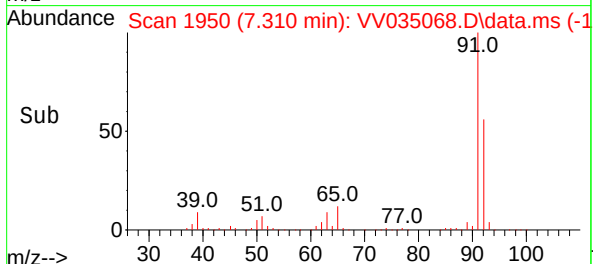
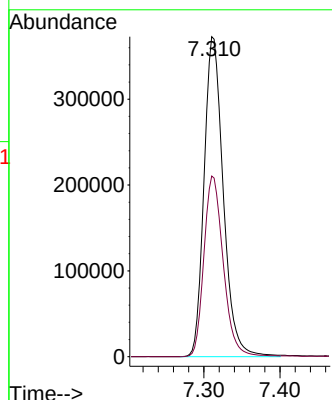
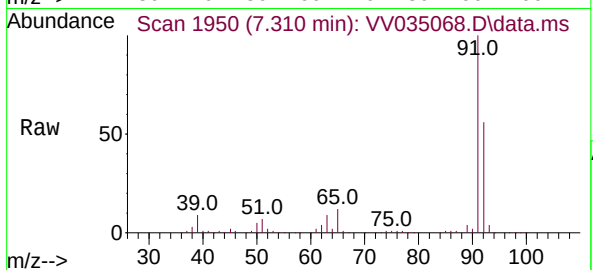
ClientSampleId :

Tgt Ion: 91 Resp: 655455

Ion Ratio Lower Upper

91 100

92 56.5 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 50.560 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.003 min

Lab File: VV035068.D

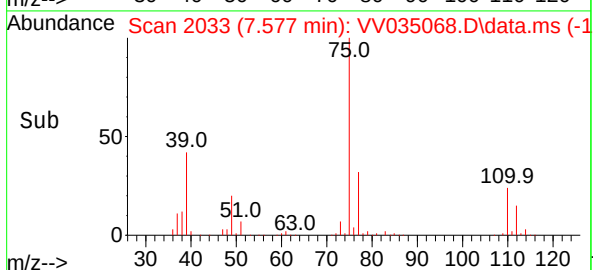
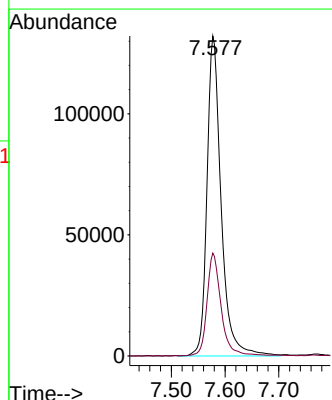
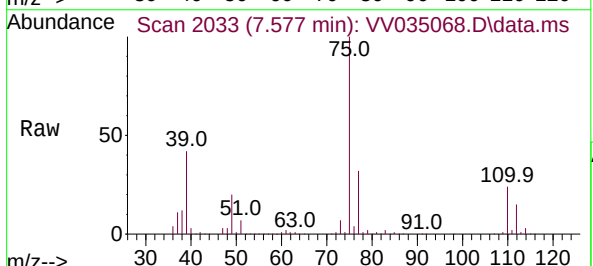
Acq: 09 Apr 2024 08:58

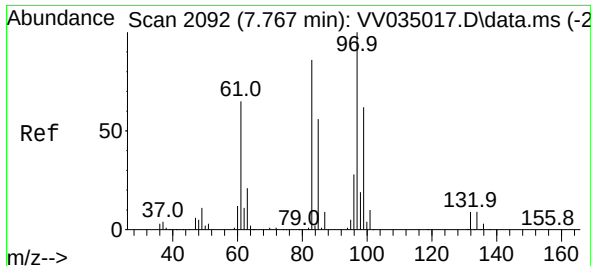
Tgt Ion: 75 Resp: 241817

Ion Ratio Lower Upper

75 100

77 32.2 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 55.010 ug/L

RT: 7.764 min Scan# 2092

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 171343

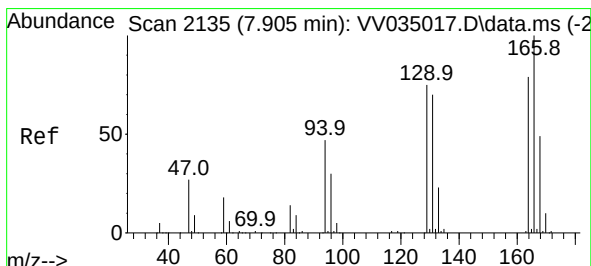
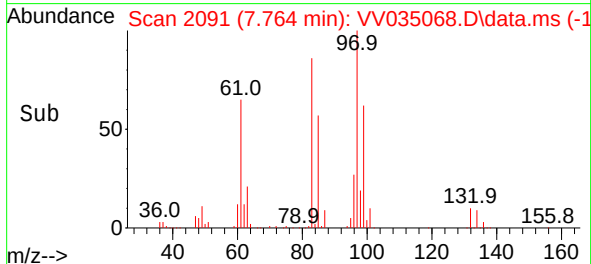
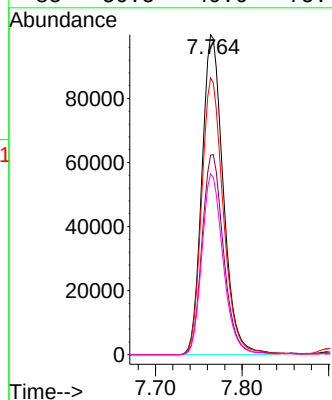
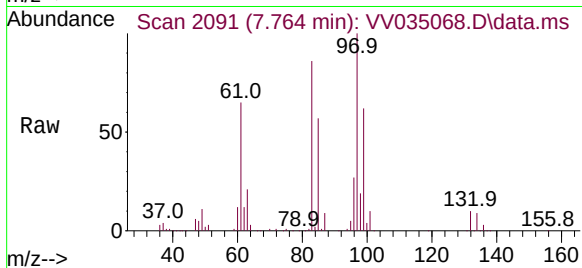
Ion Ratio Lower Upper

97 100

99 62.3 43.3 80.3

83 86.5 61.6 114.4

85 56.5 40.6 75.4



#46

Tetrachloroethene

Concen: 52.064 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Tgt Ion:164 Resp: 117386

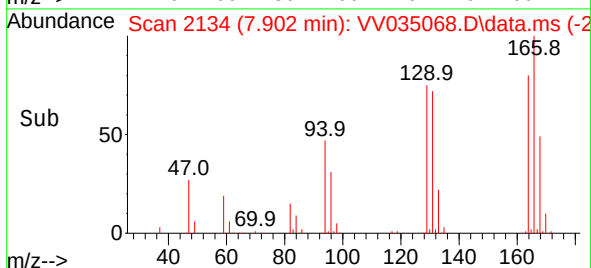
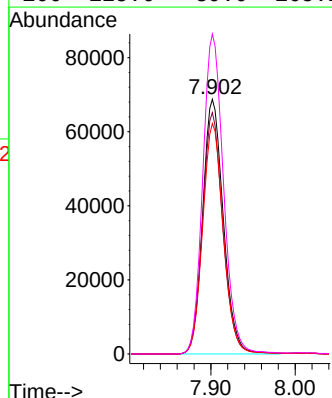
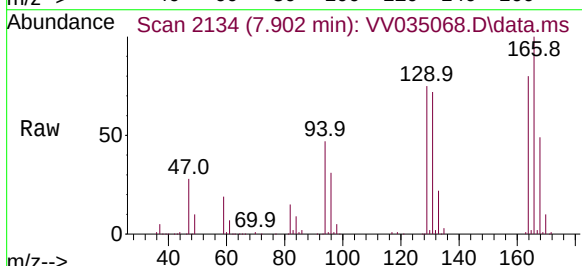
Ion Ratio Lower Upper

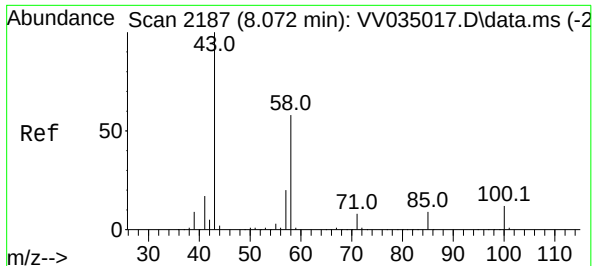
164 100

129 94.8 68.6 127.4

131 90.5 65.7 122.1

166 125.6 89.0 165.2





#48

2-Hexanone

Concen: 104.932 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 376552

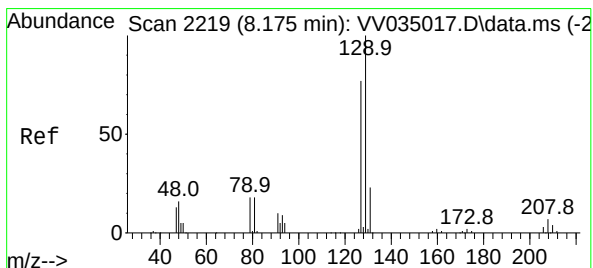
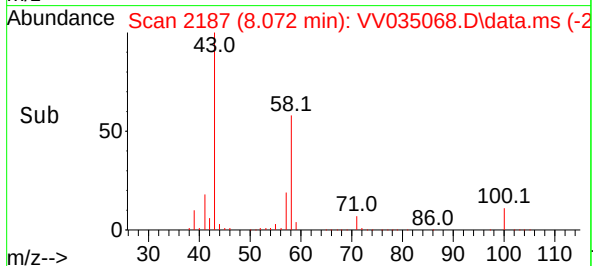
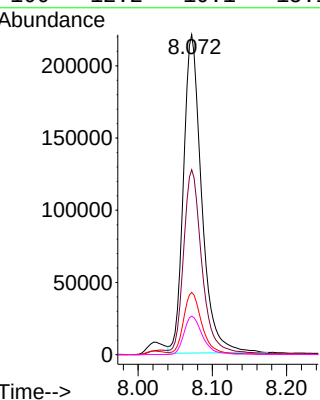
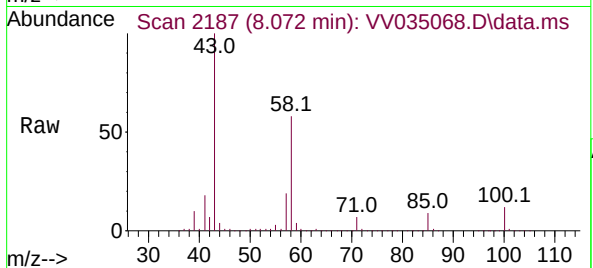
Ion Ratio Lower Upper

43 100

58 58.1 45.4 68.2

57 19.2 16.2 24.4

100 12.2 10.1 15.1



#49

Dibromochloromethane

Concen: 54.746 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.003 min

Lab File: VV035068.D

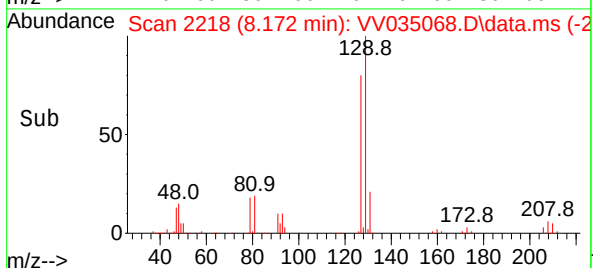
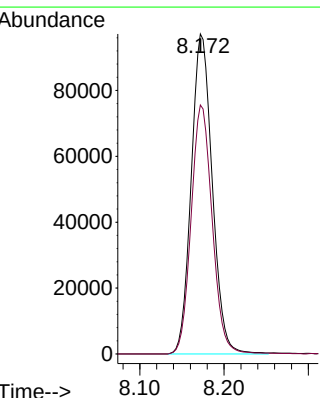
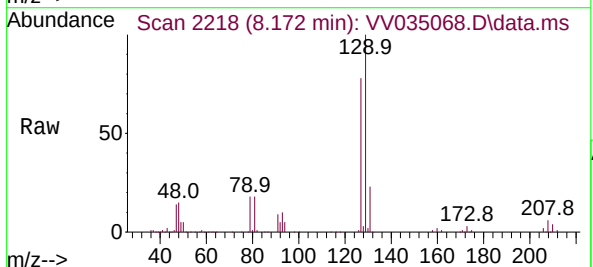
Acq: 09 Apr 2024 08:58

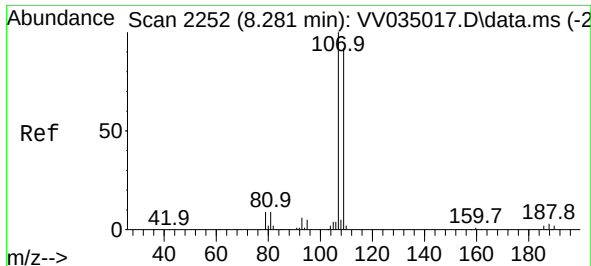
Tgt Ion:129 Resp: 168890

Ion Ratio Lower Upper

129 100

127 77.8 54.1 100.5

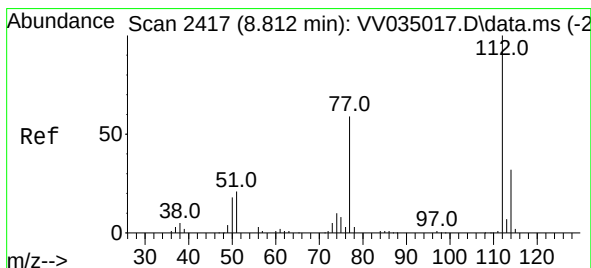
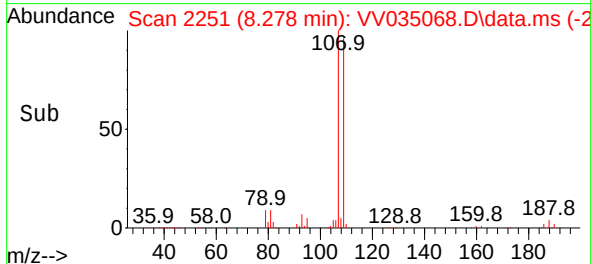
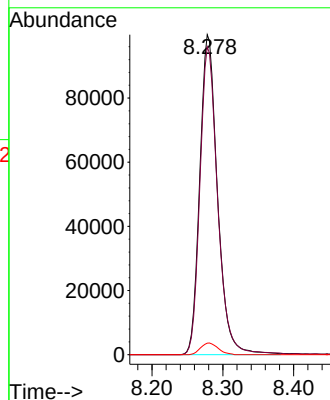
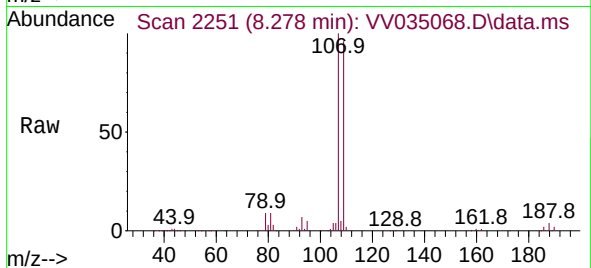




#50
1,2-Dibromoethane
Concen: 51.697 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV035068.D
Acq: 09 Apr 2024 08:58

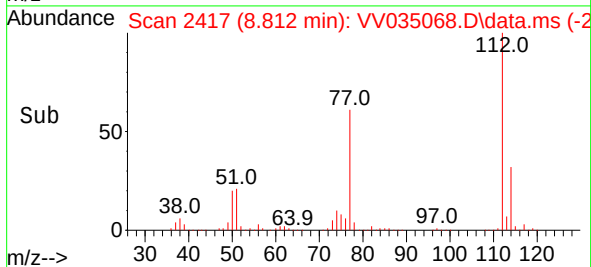
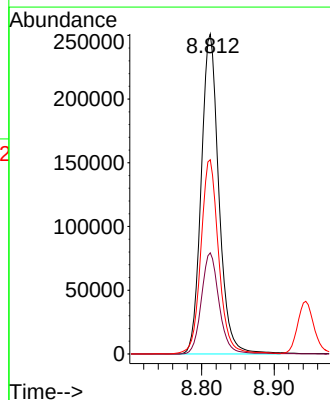
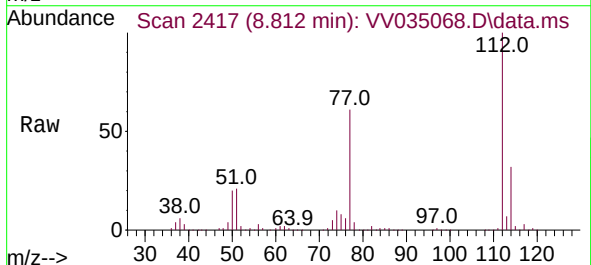
Instrument :
MSVOA_V
ClientSampleId :

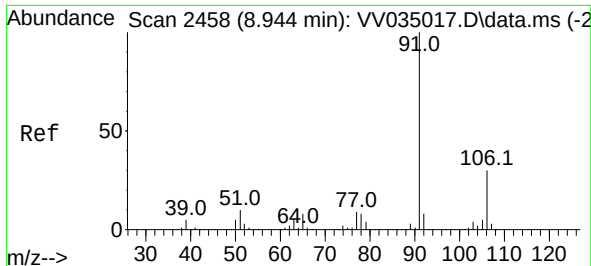
Tgt Ion:107 Resp: 173363
Ion Ratio Lower Upper
107 100
109 96.2 64.5 119.9
188 3.6 2.8 4.2



#51
Chlorobenzene
Concen: 52.332 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV035068.D
Acq: 09 Apr 2024 08:58

Tgt Ion:112 Resp: 424622
Ion Ratio Lower Upper
112 100
114 31.6 22.0 41.0
77 60.7 47.4 71.2





#52

Ethylbenzene

Concen: 52.327 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

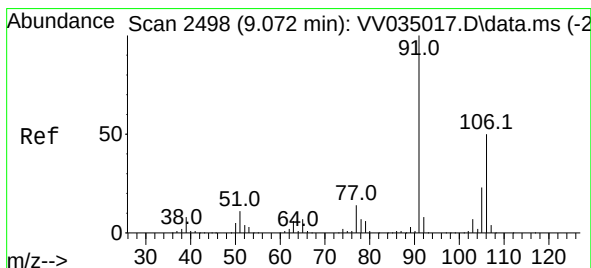
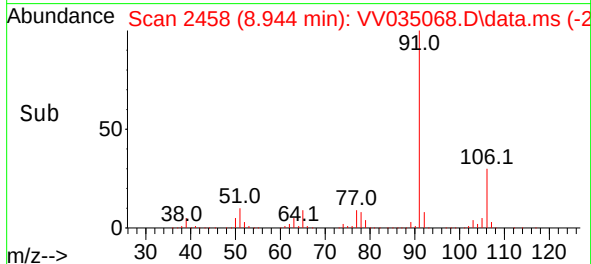
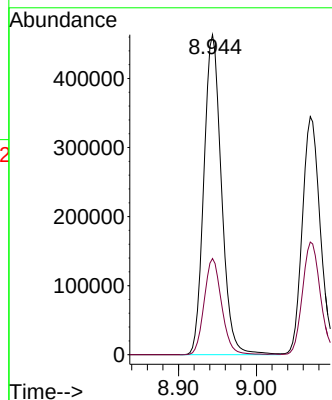
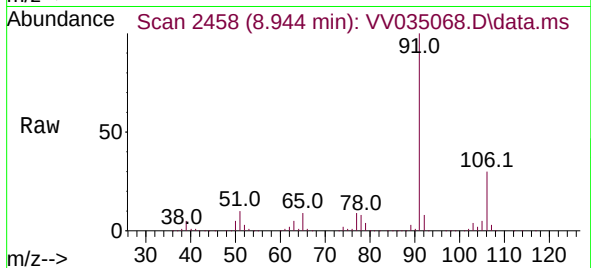
ClientSampleId :

Tgt Ion: 91 Resp: 726035

Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.5



#53

m,p-Xylene

Concen: 51.211 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.003 min

Lab File: VV035068.D

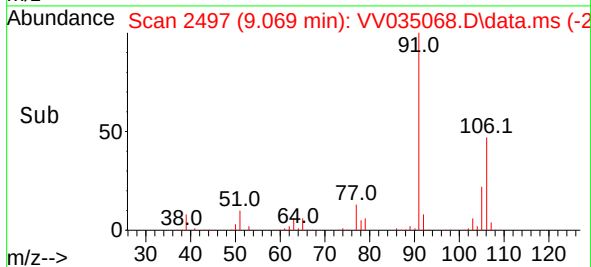
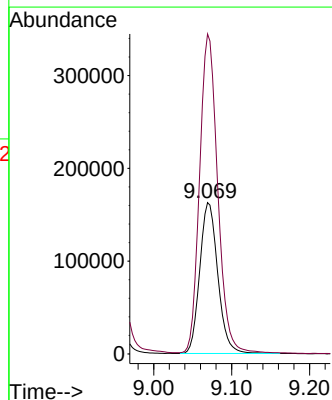
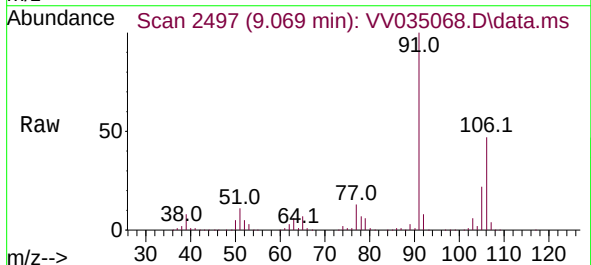
Acq: 09 Apr 2024 08:58

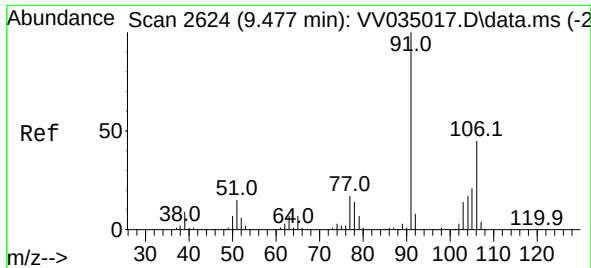
Tgt Ion:106 Resp: 261671

Ion Ratio Lower Upper

106 100

91 211.3 144.8 269.0

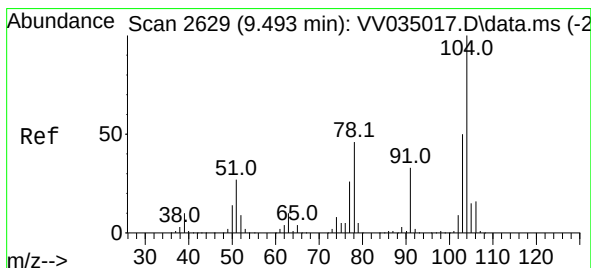
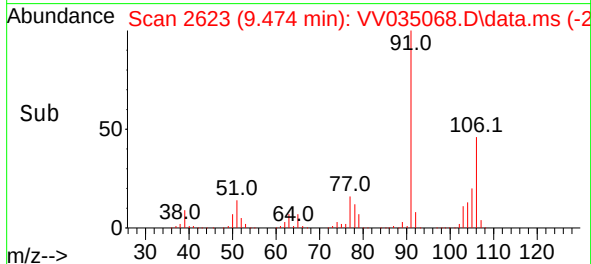
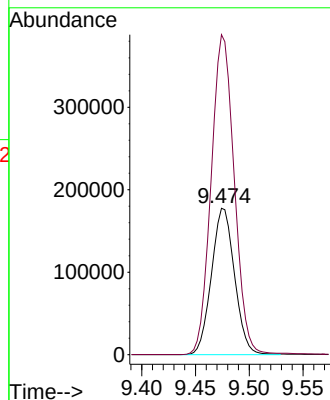
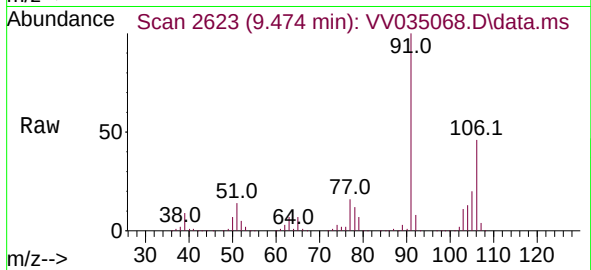




#54
o-Xylene
Concen: 52.472 ug/L
RT: 9.474 min Scan# 2624
Delta R.T. -0.003 min
Lab File: VV035068.D
Acq: 09 Apr 2024 08:58

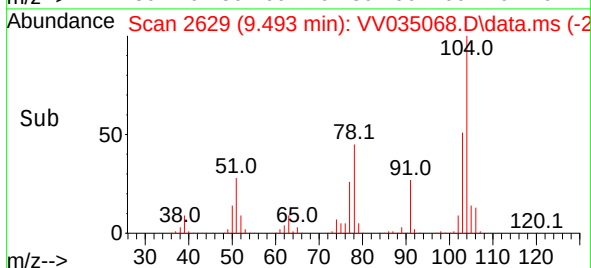
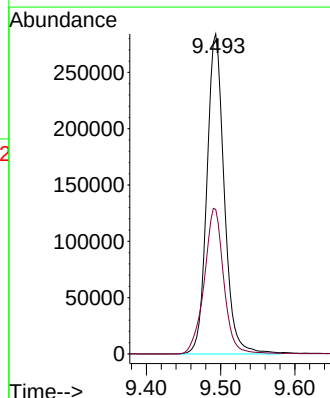
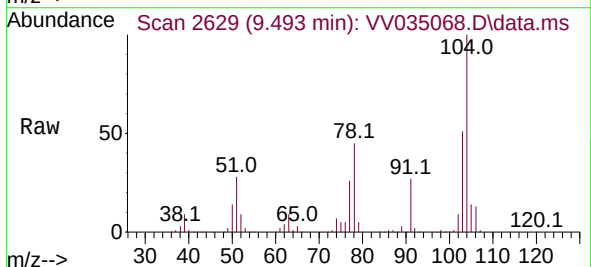
Instrument :
MSVOA_V
ClientSampleId :

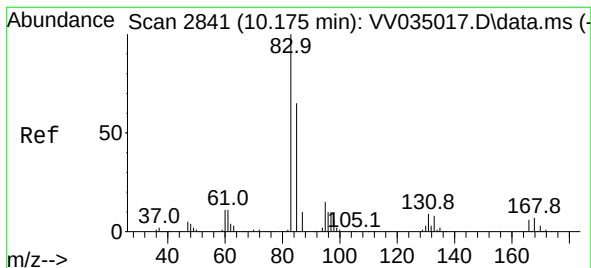
Tgt Ion:106 Resp: 265282
Ion Ratio Lower Upper
106 100
91 218.5 151.3 280.9



#55
Styrene
Concen: 54.011 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV035068.D
Acq: 09 Apr 2024 08:58

Tgt Ion:104 Resp: 461452
Ion Ratio Lower Upper
104 100
78 45.2 31.5 58.5

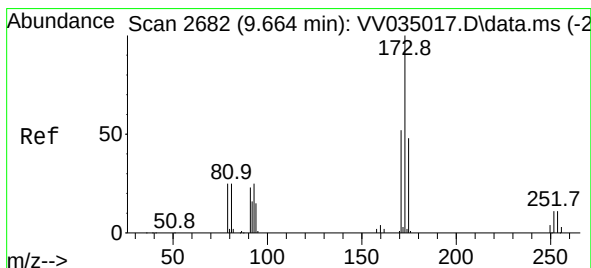
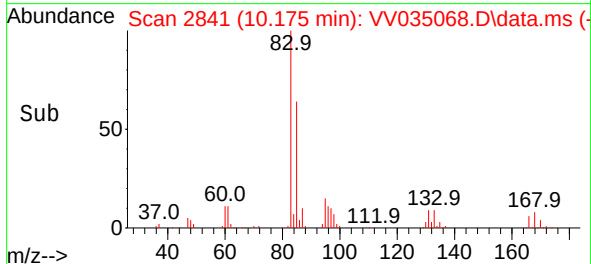
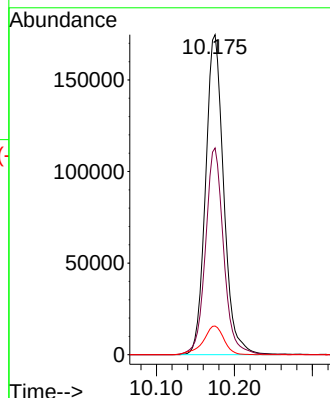
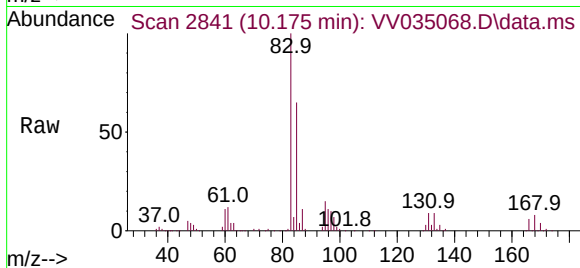




#57
1,1,2,2-Tetrachloroethane
Concen: 55.943 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV035068.D
Acq: 09 Apr 2024 08:58

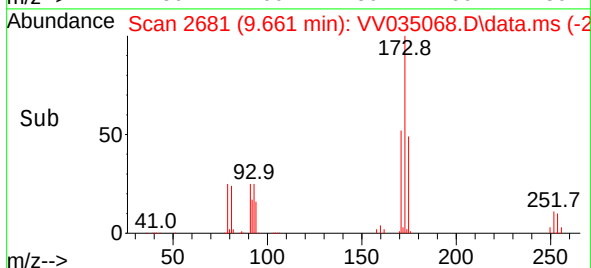
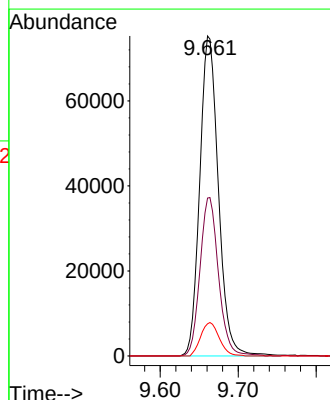
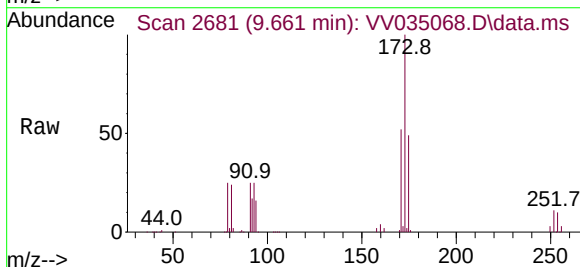
Instrument :
MSVOA_V
ClientSampleId :

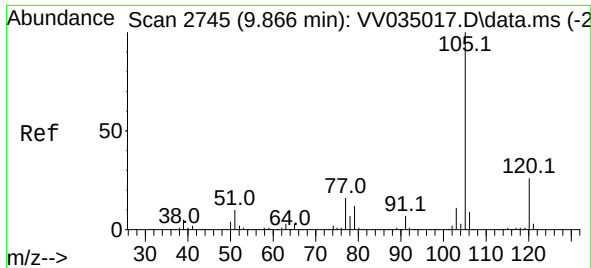
Tgt Ion: 83 Resp: 282324
Ion Ratio Lower Upper
83 100
85 64.6 44.5 82.7
131 9.0 6.9 10.3



#59
Bromoform
Concen: 58.310 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. -0.003 min
Lab File: VV035068.D
Acq: 09 Apr 2024 08:58

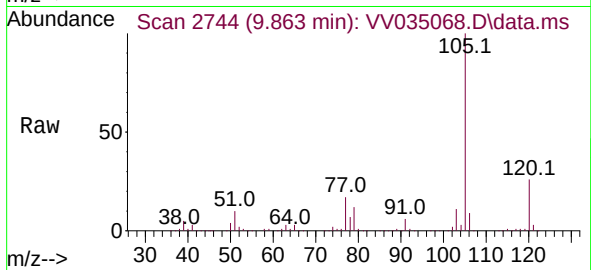
Tgt Ion: 173 Resp: 125198
Ion Ratio Lower Upper
173 100
175 49.1 39.3 58.9
254 10.4 7.5 11.3



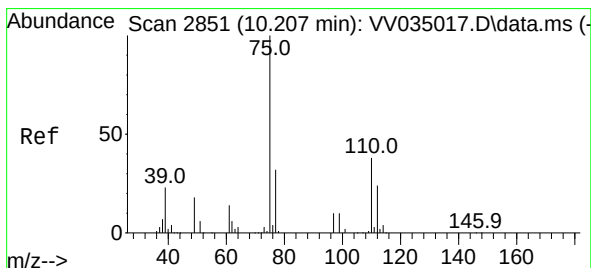
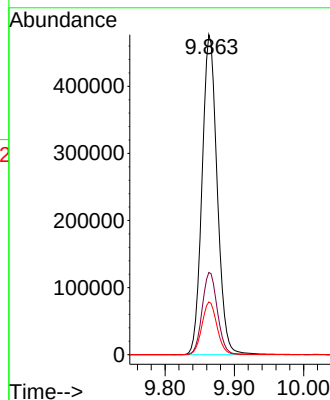
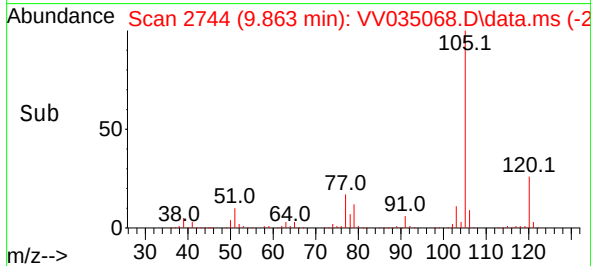


#60
Isopropylbenzene
Concen: 53.469 ug/L
RT: 9.863 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV035068.D
Acq: 09 Apr 2024 08:58

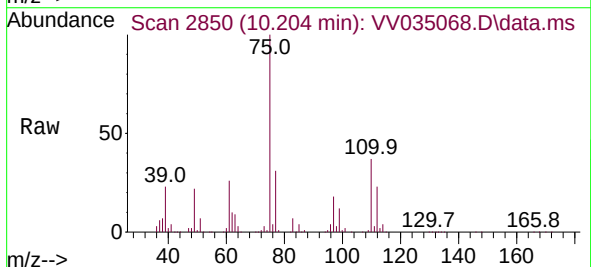
Instrument :
MSVOA_V
ClientSampleId :



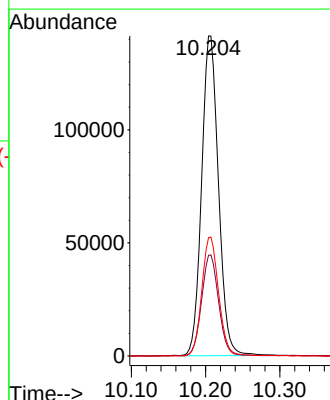
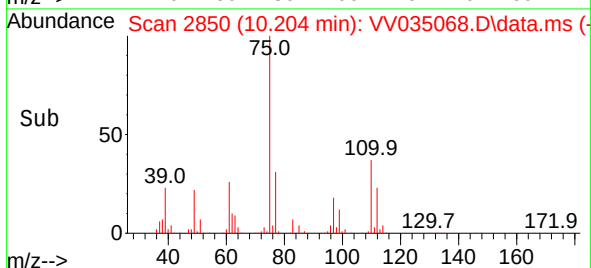
Tgt Ion:105 Resp: 722207
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6
77 16.3 13.1 19.7

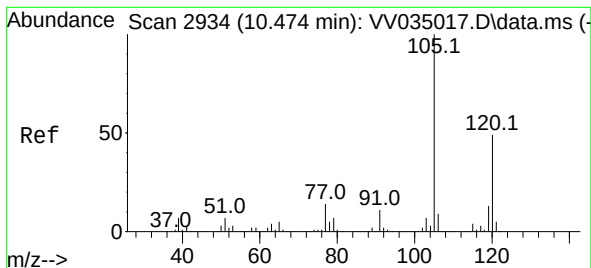


#61
1,2,3-Trichloropropane
Concen: 54.908 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. -0.003 min
Lab File: VV035068.D
Acq: 09 Apr 2024 08:58



Tgt Ion: 75 Resp: 222926
Ion Ratio Lower Upper
75 100
77 31.5 26.0 39.0
110 37.0 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 53.004 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

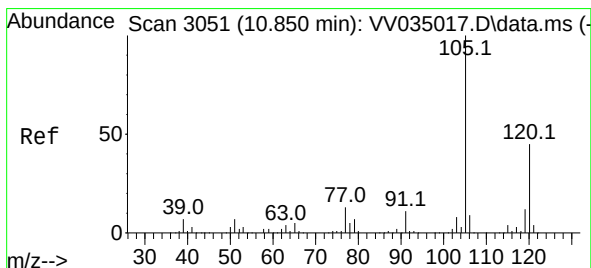
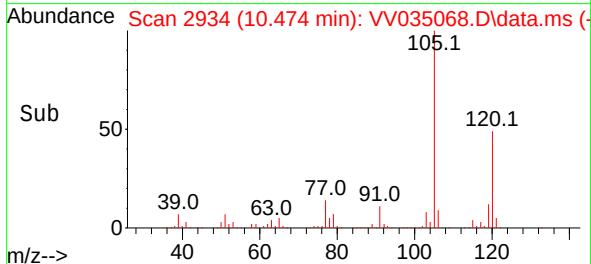
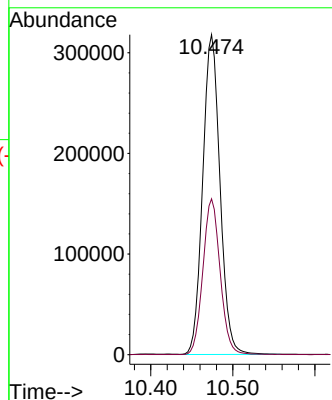
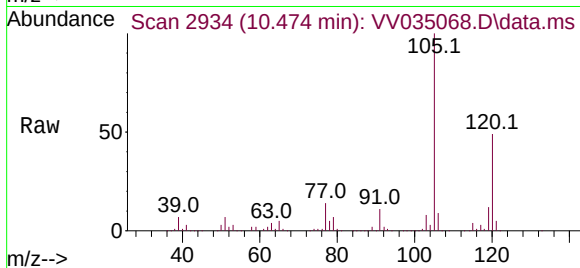
ClientSampleId :

Tgt Ion:105 Resp: 464957

Ion Ratio Lower Upper

105 100

120 48.5 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 53.215 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV035068.D

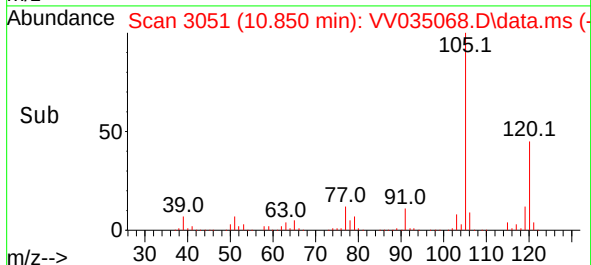
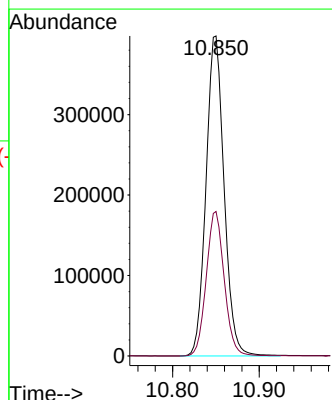
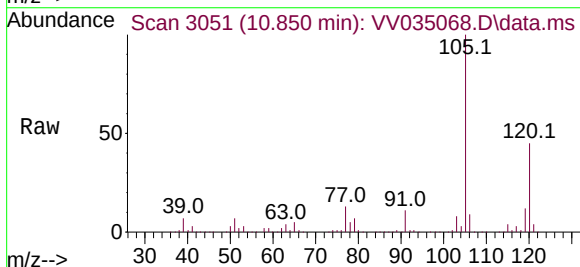
Acq: 09 Apr 2024 08:58

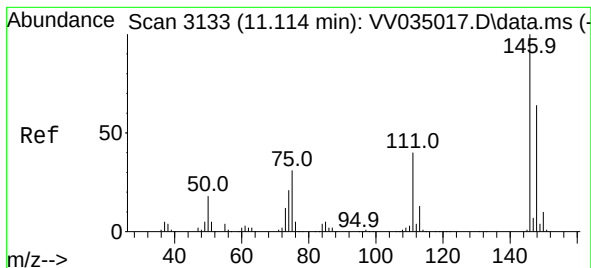
Tgt Ion:105 Resp: 577158

Ion Ratio Lower Upper

105 100

120 44.9 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 52.495 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

ClientSampleId :

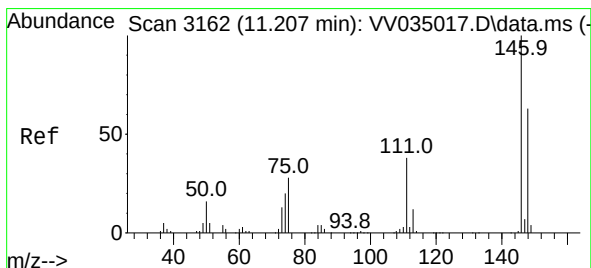
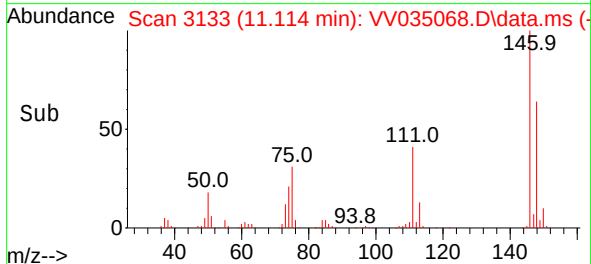
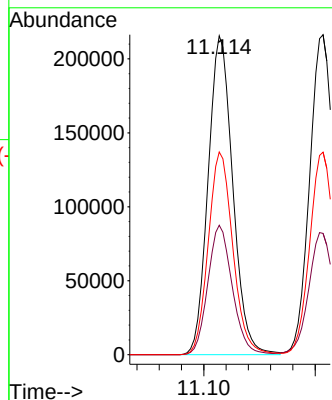
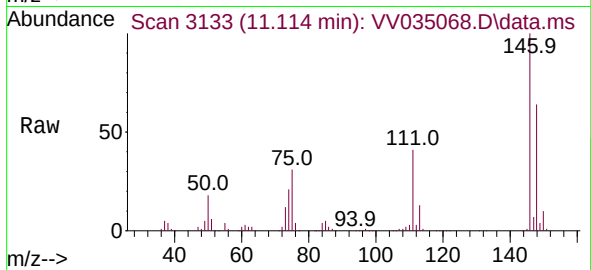
Tgt Ion:146 Resp: 331353

Ion Ratio Lower Upper

146 100

111 40.6 28.7 53.3

148 63.6 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 53.153 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

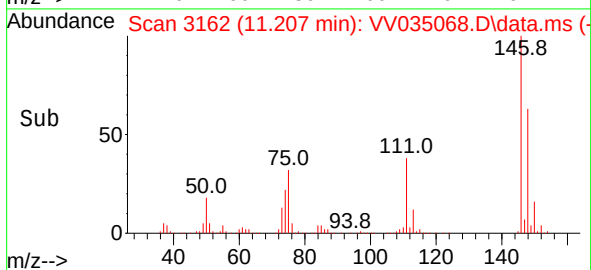
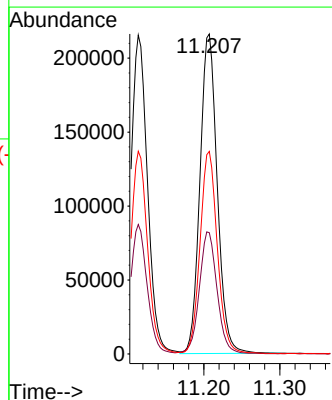
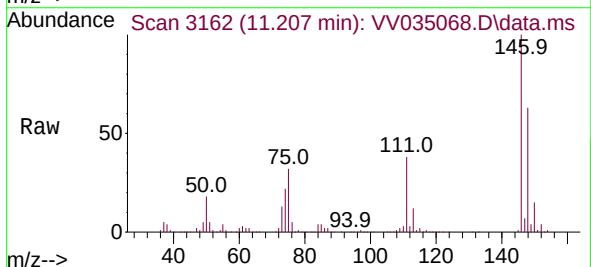
Tgt Ion:146 Resp: 341186

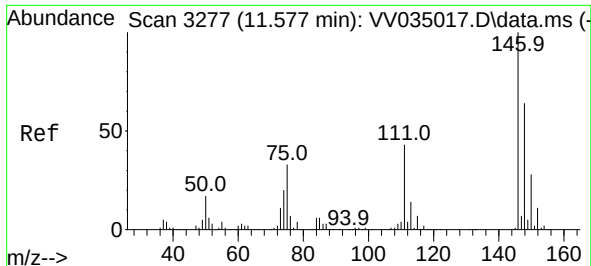
Ion Ratio Lower Upper

146 100

111 37.9 27.4 50.8

148 63.3 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 54.426 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

ClientSampleId :

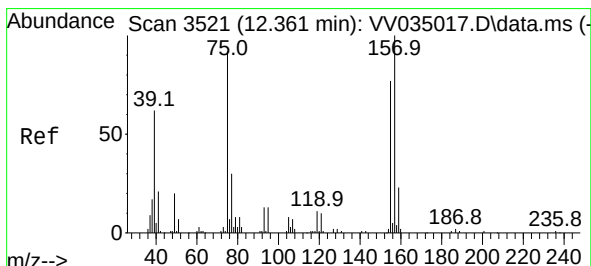
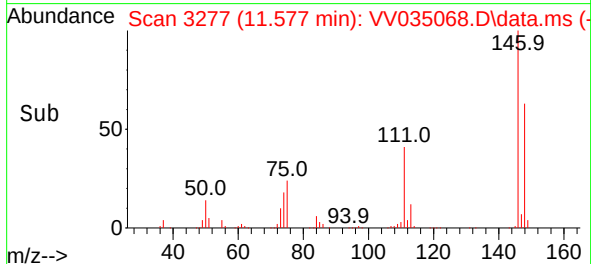
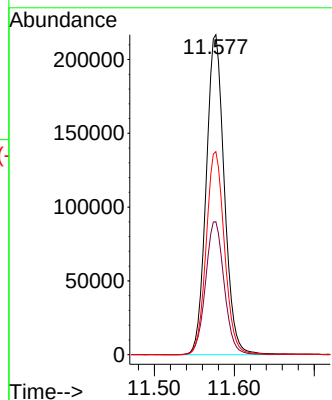
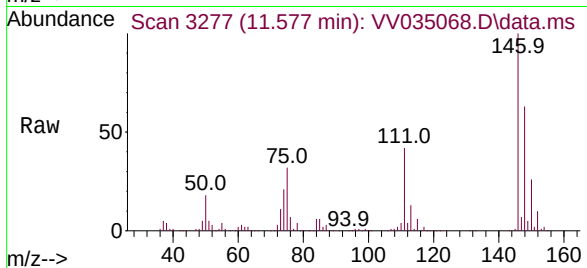
Tgt Ion:146 Resp: 342233

Ion Ratio Lower Upper

146 100

111 41.6 34.6 52.0

148 63.4 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 53.512 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

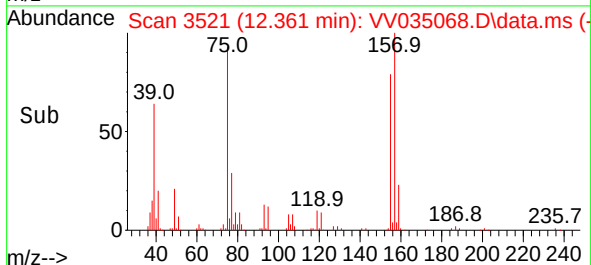
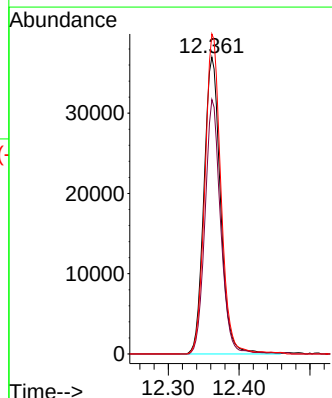
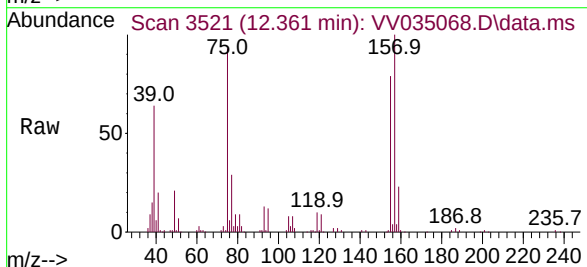
Tgt Ion: 75 Resp: 59855

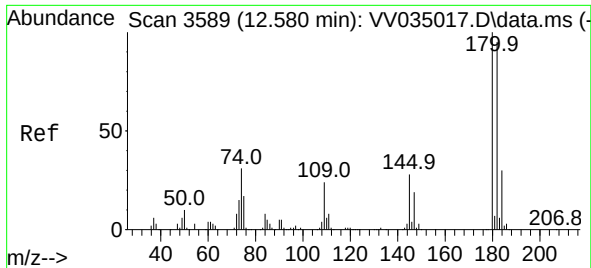
Ion Ratio Lower Upper

75 100

155 85.7 63.0 94.6

157 107.8 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 52.154 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

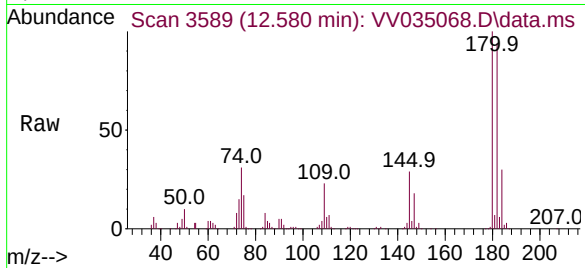
Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 237256

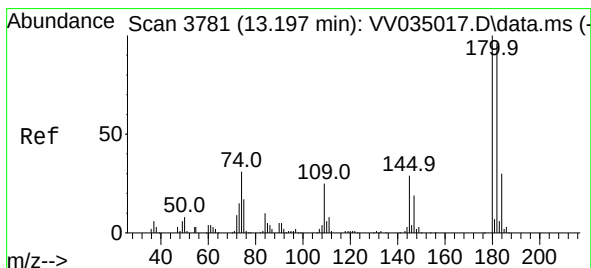
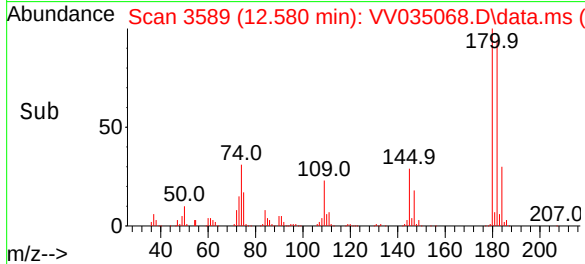
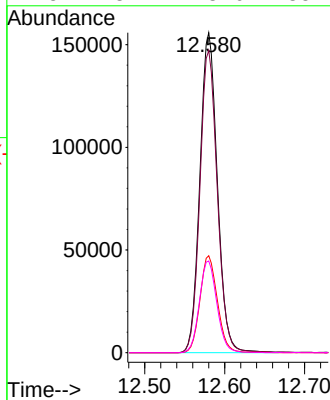
Ion Ratio Lower Upper

180 100

182 94.1 74.7 112.1

184 30.2 24.0 36.0

145 28.7 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 49.790 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

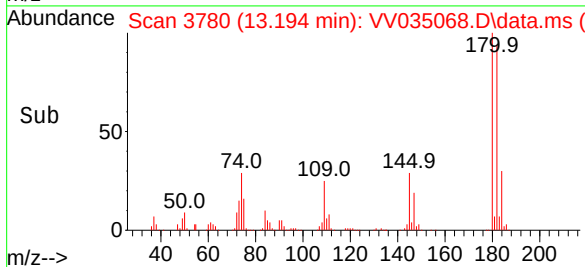
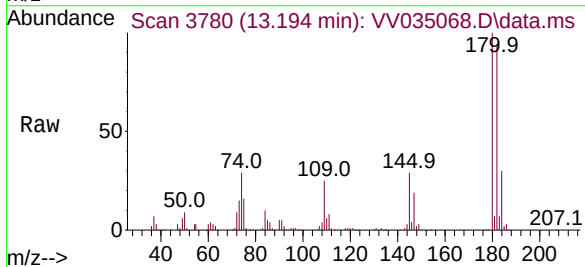
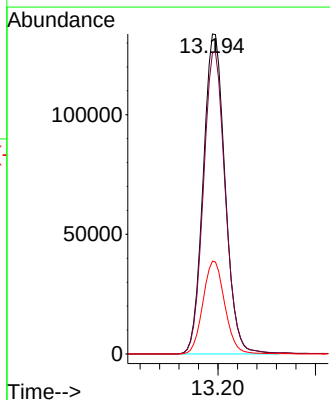
Tgt Ion:180 Resp: 208060

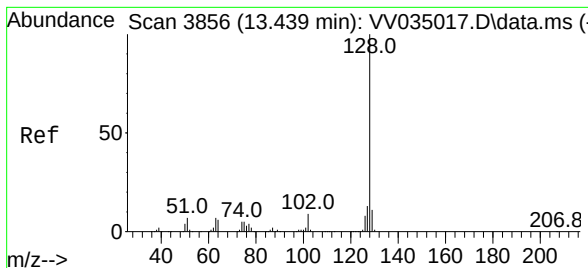
Ion Ratio Lower Upper

180 100

182 94.8 75.6 113.4

145 29.0 24.1 36.1





#71

Naphthalene

Concen: 42.627 ug/L

RT: 13.435 min Scan# 3856

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Instrument :

MSVOA_V

ClientSampleId :

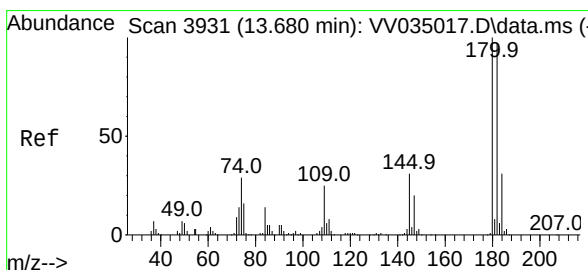
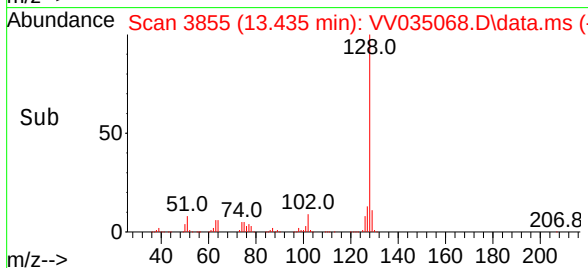
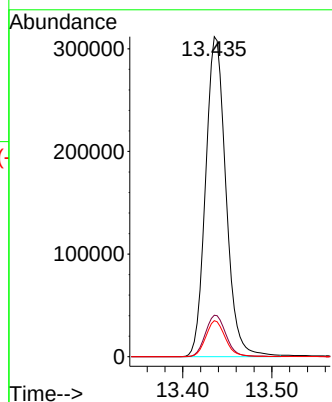
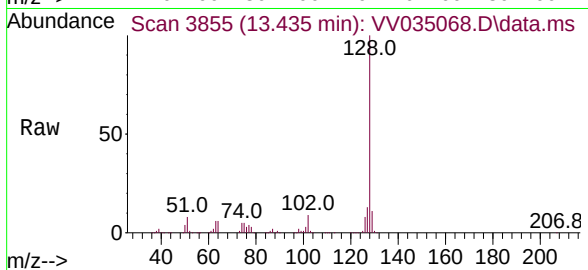
Tgt Ion:128 Resp: 494200

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 51.556 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. -0.003 min

Lab File: VV035068.D

Acq: 09 Apr 2024 08:58

Tgt Ion:180 Resp: 212361

Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.2

145 31.4 25.8 38.6

