

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053124\
 Data File : VV035940.D
 Acq On : 31 May 2024 19:06
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 31 23:05:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 22:59:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	438930	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	460045	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	261224	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	170343	21.109	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.440%
7) Chloroethane-d5	1.529	69	139612	21.697	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.053	65	74786	20.818	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.280%
21) 2-Butanone-d5	3.844	46	82666	44.648	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.300%
24) Chloroform-d	4.243	84	311347	22.311	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.240%
26) 1,2-Dichloroethane-d4	4.940	65	163401	22.333	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.320%
32) Benzene-d6	4.957	84	595517	21.777	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.120%
36) 1,2-Dichloropropane-d6	5.985	67	183594	21.319	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.280%
41) Toluene-d8	7.239	98	546259	22.640	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.560%
43) trans-1,3-Dichloroprop...	7.551	79	77184	21.859	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.440%
47) 2-Hexanone-d5	8.030	63	57790	49.531	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.060%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	141870	22.046	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	11.558	152	202767	21.167	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	171150	21.625	ug/L	99
3) Chloromethane	1.211	50	210504	23.176	ug/L	99
5) Vinyl chloride	1.278	62	216405	22.632	ug/L	99
6) Bromomethane	1.484	94	137977	23.260	ug/L	98
8) Chloroethane	1.545	64	137054	23.060	ug/L	100
9) Trichlorofluoromethane	1.709	101	267333	22.513	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	168098	22.305	ug/L	98
12) 1,1-Dichloroethene	2.063	96	158646	22.571	ug/L	98
14) Carbon disulfide	2.233	76	546590	22.394	ug/L	99
15) Methyl Acetate	2.384	43	85808	23.936	ug/L	98
16) Methylene chloride	2.442	84	231068	23.265	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	172796	23.143	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	423249	25.251	ug/L	100
19) 1,1-Dichloroethane	3.105	63	337225	23.717	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	175771	23.428	ug/L	99
22) 2-Butanone	3.915	43	78025	31.883	ug/L	# 63
23) Bromochloromethane	4.143	128	93677	24.892	ug/L	100
25) Chloroform	4.272	83	348661	23.837	ug/L	100
27) 1,2-Dichloroethane	5.040	62	231918	25.397	ug/L	100

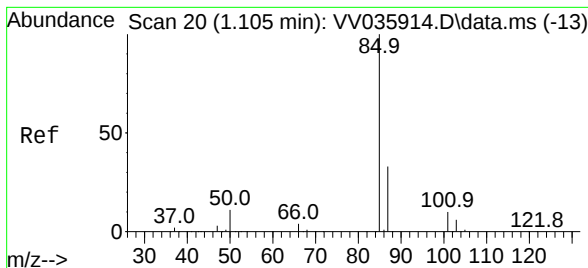
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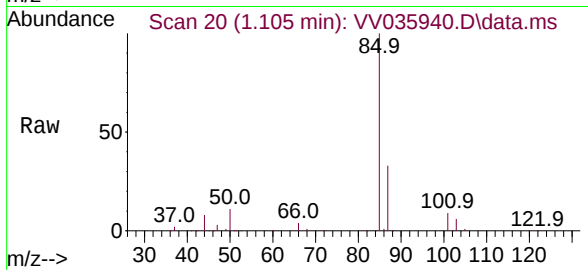
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.577	56	237744	21.705	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	283761	22.562	ug/L	100
31) Carbon tetrachloride	4.728	117	245196	22.223	ug/L	100
33) Benzene	5.005	78	718236	23.871	ug/L	100
34) Trichloroethene	5.828	95	214944	23.309	ug/L	99
35) Methylcyclohexane	6.047	83	284776	22.331	ug/L	99
37) 1,2-Dichloropropane	6.088	63	191658	24.259	ug/L	99
38) Bromodichloromethane	6.429	83	252793	24.174	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	278458	23.565	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	231117	53.843	ug/L	99
42) Toluene	7.310	91	765837	24.909	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	256121	25.093	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	162242	24.819	ug/L	99
46) Tetrachloroethene	7.902	164	150920	22.377	ug/L	98
48) 2-Hexanone	8.079	43	167088	49.792	ug/L	98
49) Dibromochloromethane	8.172	129	175568	24.540	ug/L	98
50) 1,2-Dibromoethane	8.281	107	158934	25.338	ug/L	98
51) Chlorobenzene	8.812	112	490117	23.397	ug/L	99
52) Ethylbenzene	8.944	91	788964	23.985	ug/L	100
53) m,p-Xylene	9.069	106	304892	24.668	ug/L	100
54) o-Xylene	9.474	106	283816	24.350	ug/L	97
55) Styrene	9.493	104	542592	26.398	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	140451	23.995	ug/L	99
59) Bromoform	9.664	173	117156	23.782	ug/L	100
60) Isopropylbenzene	9.863	105	764495	22.812	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	150358	24.337	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	555402	22.854	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	624692	23.858	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	404828	23.002	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	420632	23.155	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	385630	23.284	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	34786	25.179	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	293315	22.280	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	239588	23.113	ug/L	98
71) Naphthalene	13.435	128	460793	27.239	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	246907	26.102	ug/L	99

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

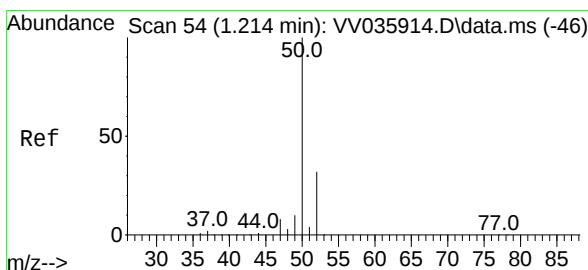
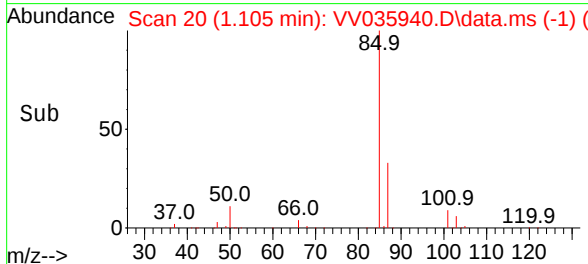
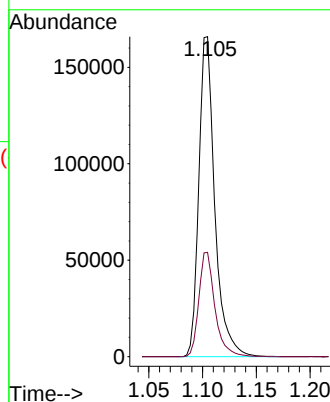


#2
 Dichlorodifluoromethane
 Concen: 21.625 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV035940.D
 Acq: 31 May 2024 19:06

Instrument :
 MSVOA_V
 ClientSampleId :

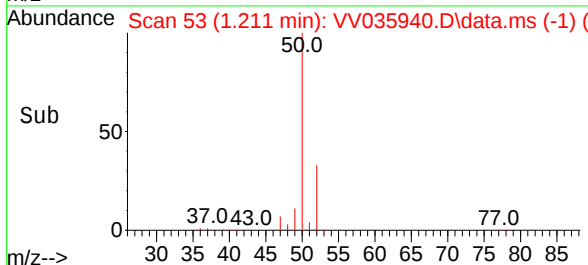
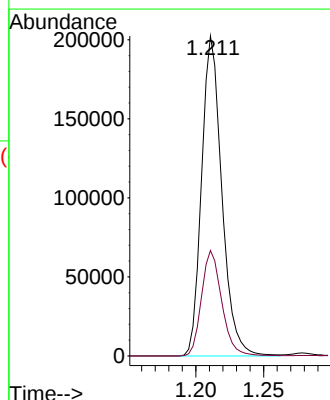
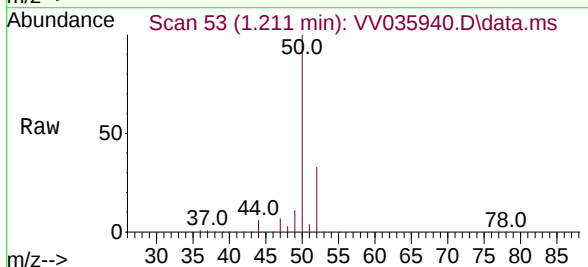


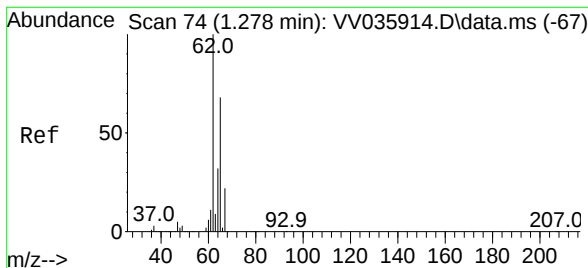
Tgt Ion: 85 Resp: 171150
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.9 38.9



#3
 Chloromethane
 Concen: 23.176 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.003 min
 Lab File: VV035940.D
 Acq: 31 May 2024 19:06

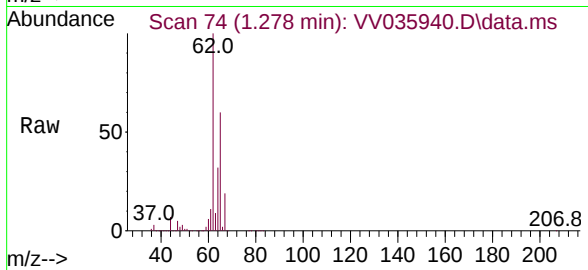
Tgt Ion: 50 Resp: 210504
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.8 42.4



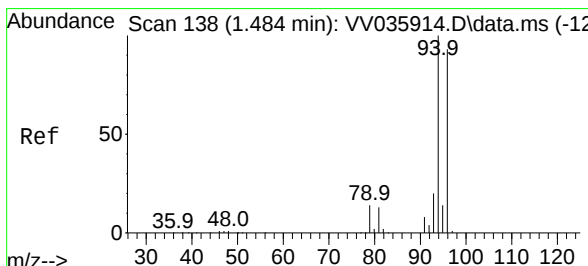
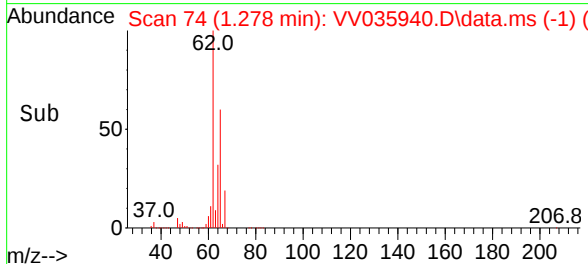
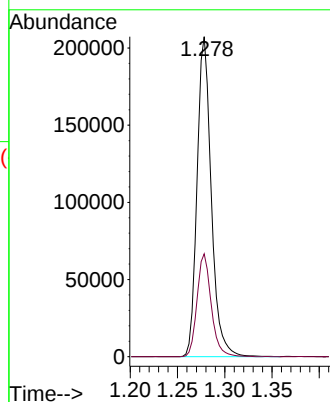


#5
 Vinyl chloride
 Concen: 22.632 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: VV035940.D
 Acq: 31 May 2024 19:06

Instrument :
 MSVOA_V
 ClientSampleId :

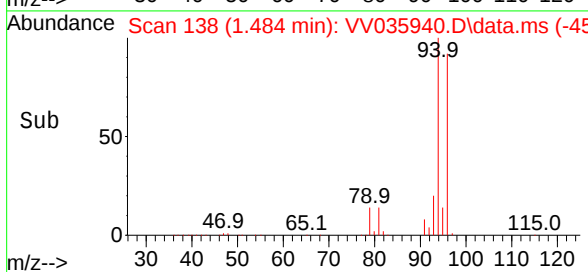
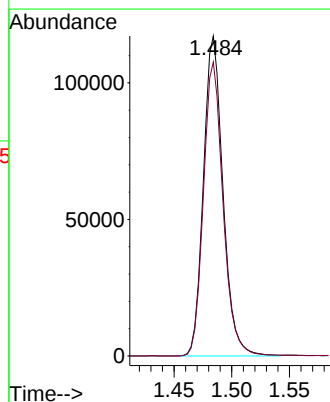
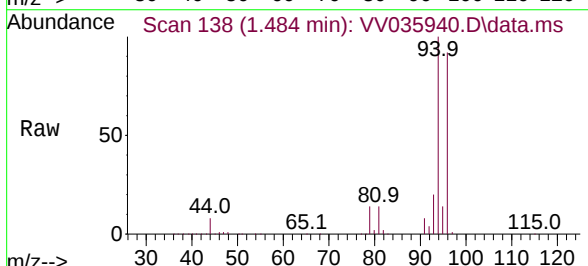


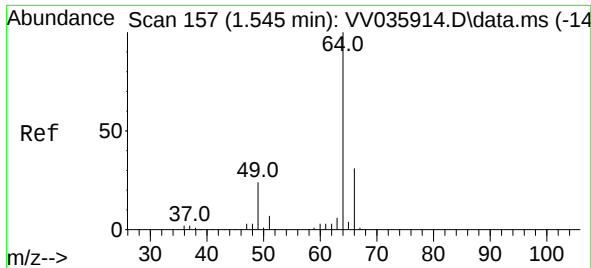
Tgt Ion: 62 Resp: 216405
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.9 42.5



#6
 Bromomethane
 Concen: 23.260 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV035940.D
 Acq: 31 May 2024 19:06

Tgt Ion: 94 Resp: 137977
 Ion Ratio Lower Upper
 94 100
 96 91.9 65.7 122.1

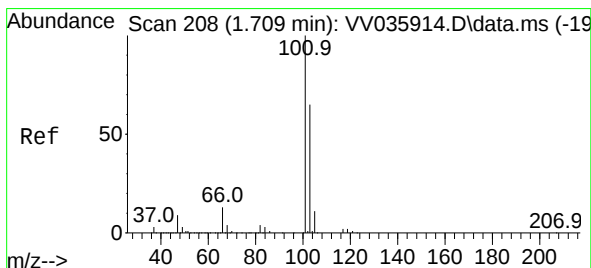
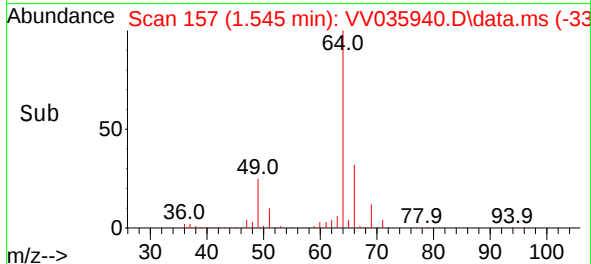
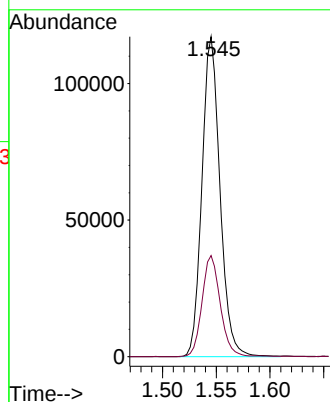
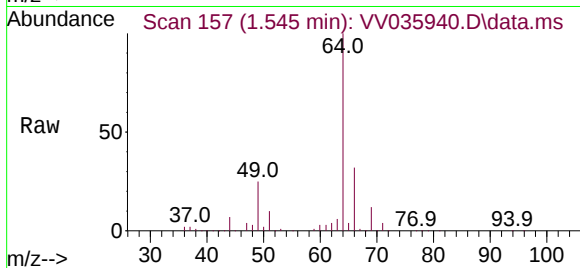




#8
Chloroethane
Concen: 23.060 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV035940.D
Acq: 31 May 2024 19:06

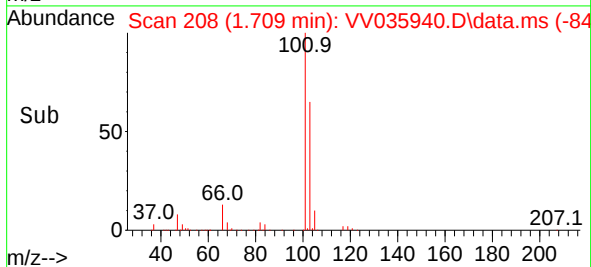
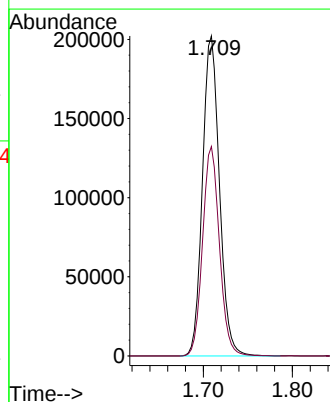
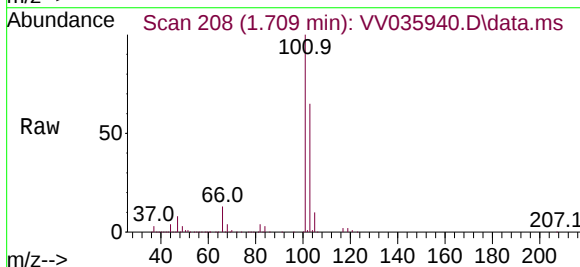
Instrument :
MSVOA_V
ClientSampleId :

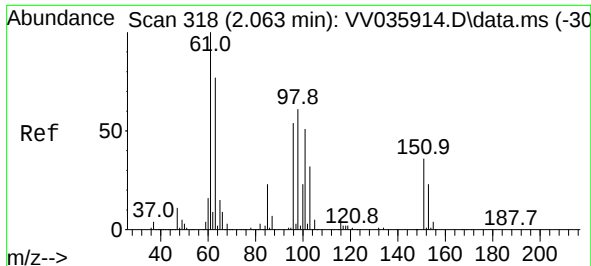
Tgt Ion: 64 Resp: 137054
Ion Ratio Lower Upper
64 100
66 31.6 22.0 41.0



#9
Trichlorofluoromethane
Concen: 22.513 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV035940.D
Acq: 31 May 2024 19:06

Tgt Ion:101 Resp: 267333
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.8





#10

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

Concen: 22.305 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

ClientSampleId :

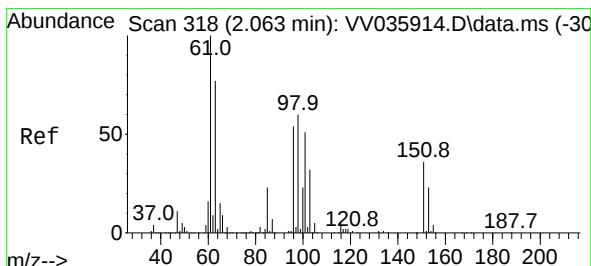
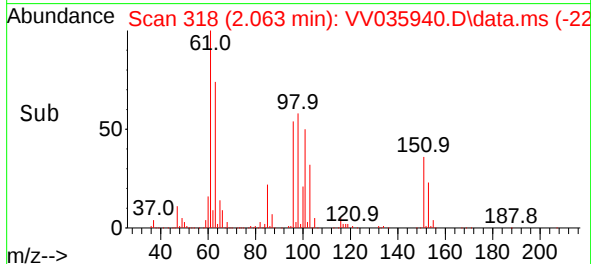
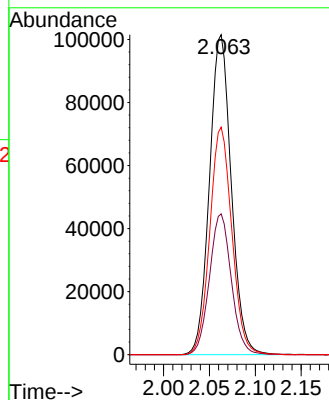
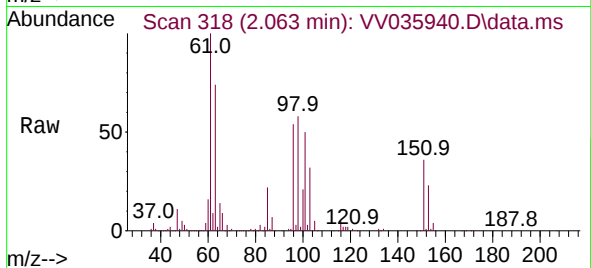
Tgt Ion:101 Resp: 168098

Ion Ratio Lower Upper

101 100

85 44.1 34.5 51.7

151 71.8 56.3 84.5



#12

1,1-Dichloroethene

Concen: 22.571 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

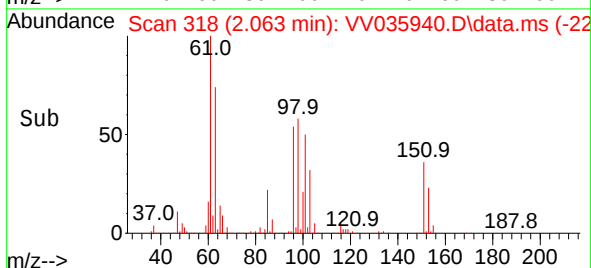
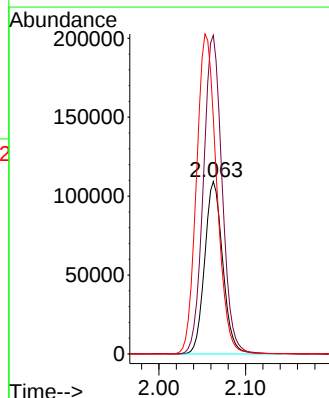
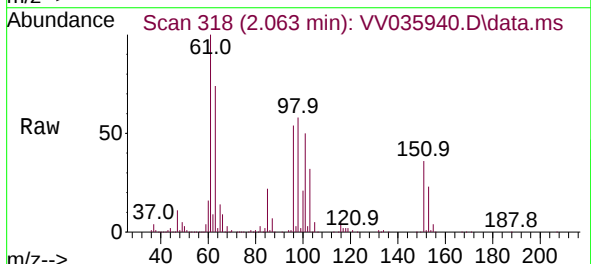
Tgt Ion: 96 Resp: 158646

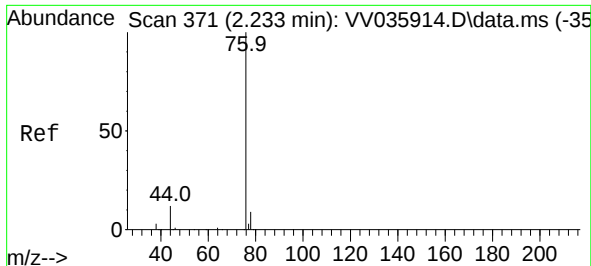
Ion Ratio Lower Upper

96 100

61 184.8 127.3 236.3

63 136.9 93.7 173.9





#14

Carbon disulfide

Concen: 22.394 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

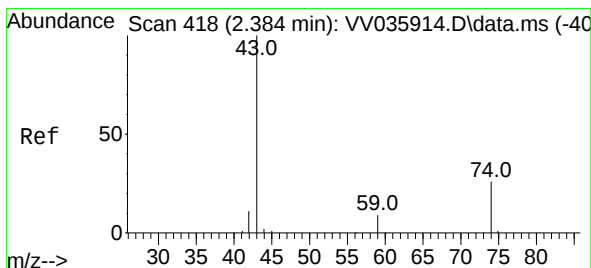
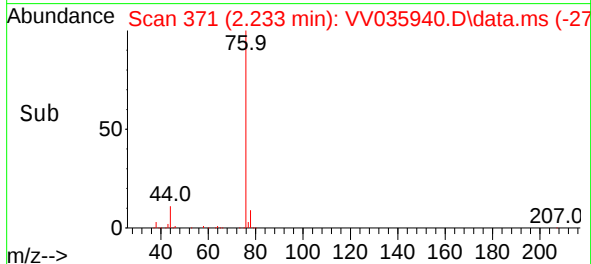
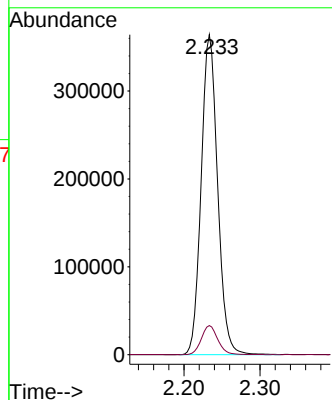
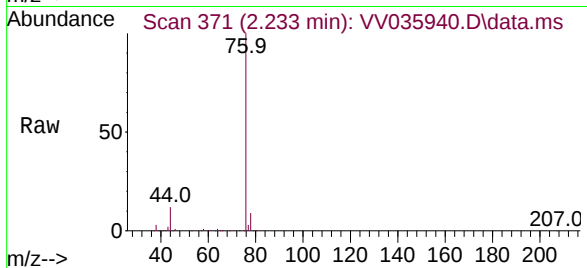
ClientSampleId :

Tgt Ion: 76 Resp: 546590

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



#15

Methyl Acetate

Concen: 23.936 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.000 min

Lab File: VV035940.D

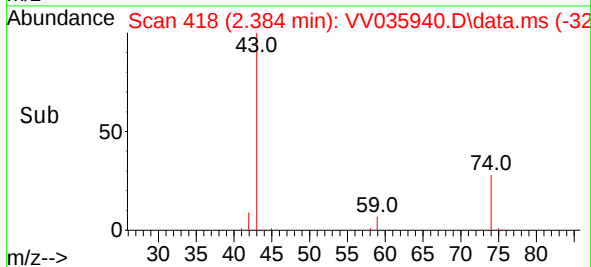
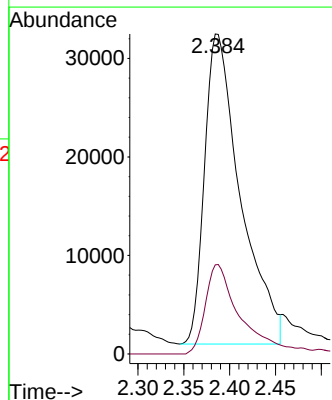
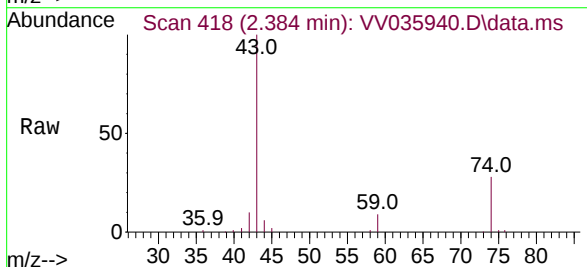
Acq: 31 May 2024 19:06

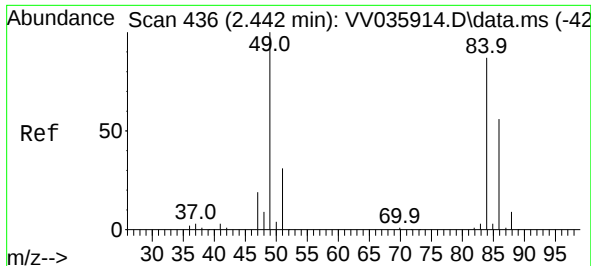
Tgt Ion: 43 Resp: 85808

Ion Ratio Lower Upper

43 100

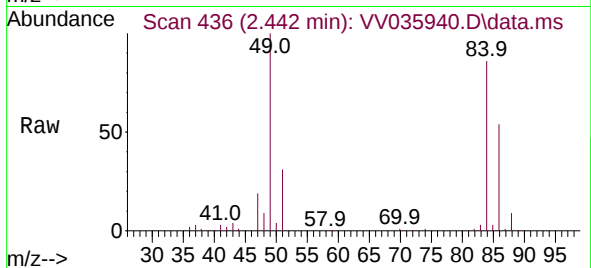
74 27.7 21.4 32.2



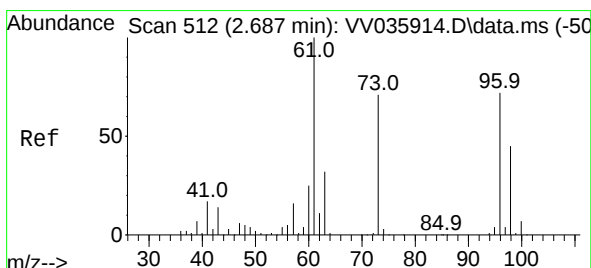
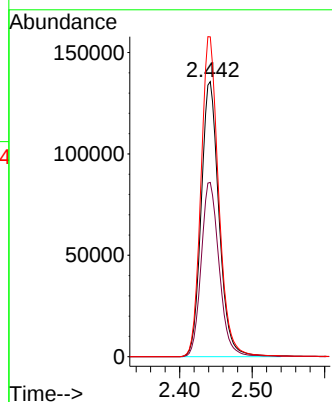
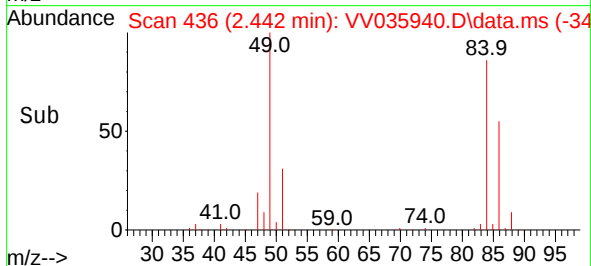


#16
Methylene chloride
Concen: 23.265 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV035940.D
Acq: 31 May 2024 19:06

Instrument :
MSVOA_V
ClientSampleId :

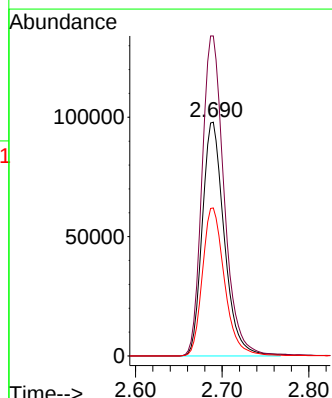
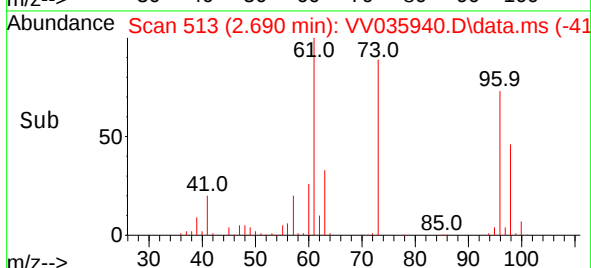
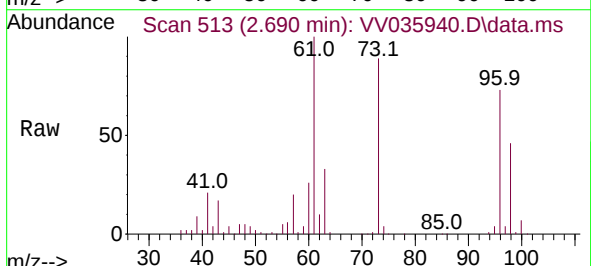


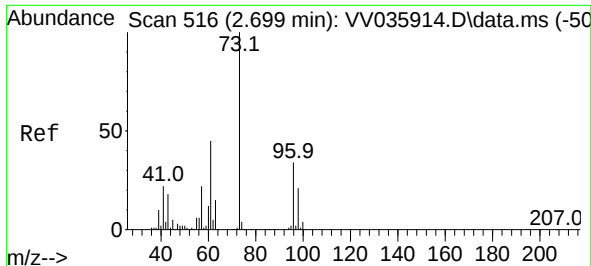
Tgt Ion: 84 Resp: 231068
Ion Ratio Lower Upper
84 100
86 63.4 44.6 82.8
49 116.3 81.1 150.5



#17
trans-1,2-Dichloroethene
Concen: 23.143 ug/L
RT: 2.690 min Scan# 513
Delta R.T. 0.003 min
Lab File: VV035940.D
Acq: 31 May 2024 19:06

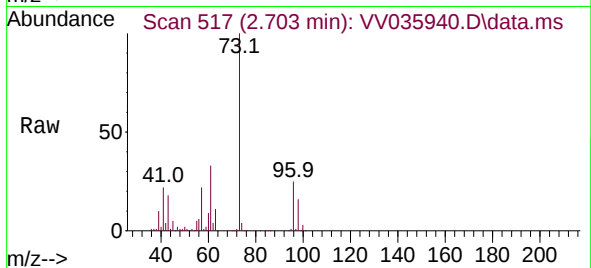
Tgt Ion: 96 Resp: 172796
Ion Ratio Lower Upper
96 100
61 136.8 99.4 184.6
98 63.3 44.9 83.3



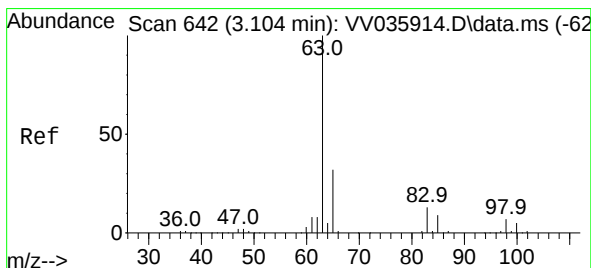
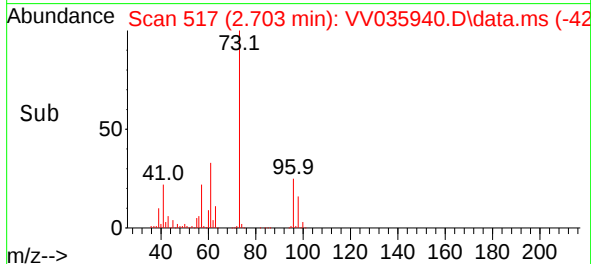
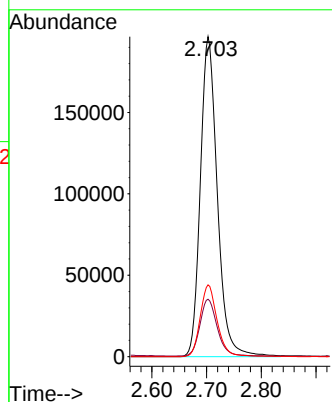


#18
Methyl tert-butyl Ether
Concen: 25.251 ug/L
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV035940.D
Acq: 31 May 2024 19:06

Instrument :
MSVOA_V
ClientSampleId :

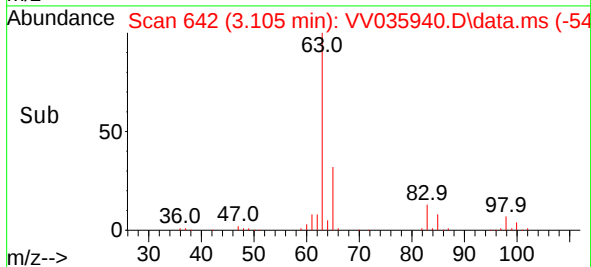
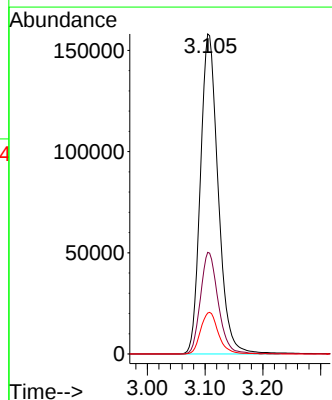
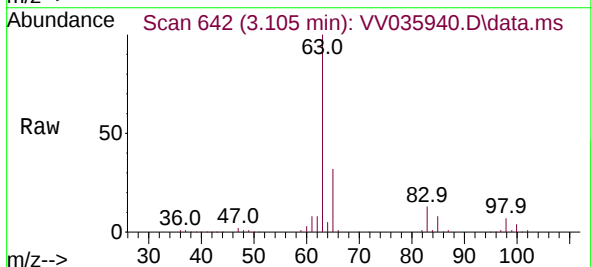


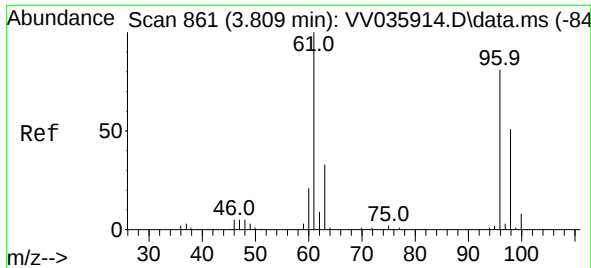
Tgt Ion: 73 Resp: 423249
Ion Ratio Lower Upper
73 100
43 18.0 14.3 21.5
57 22.3 17.8 26.6



#19
1,1-Dichloroethane
Concen: 23.717 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV035940.D
Acq: 31 May 2024 19:06

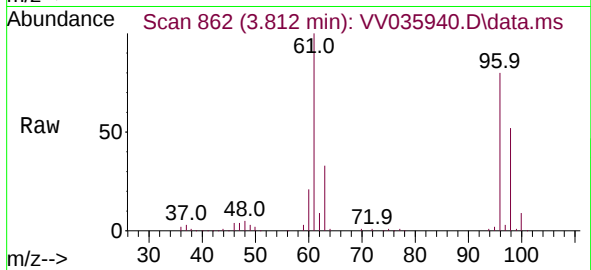
Tgt Ion: 63 Resp: 337225
Ion Ratio Lower Upper
63 100
65 31.8 22.4 41.6
83 12.8 9.2 17.0



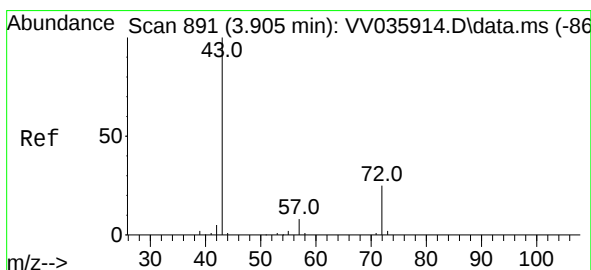
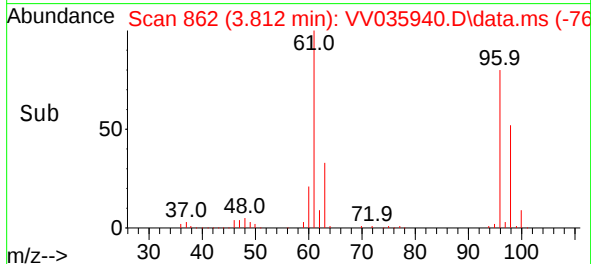
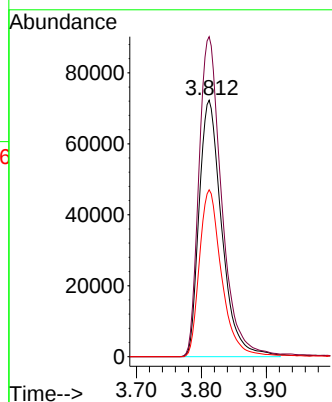


#20
cis-1,2-Dichloroethene
Concen: 23.428 ug/L
RT: 3.812 min Scan# 861
Delta R.T. 0.003 min
Lab File: VV035940.D
Acq: 31 May 2024 19:06

Instrument :
MSVOA_V
ClientSampleId :

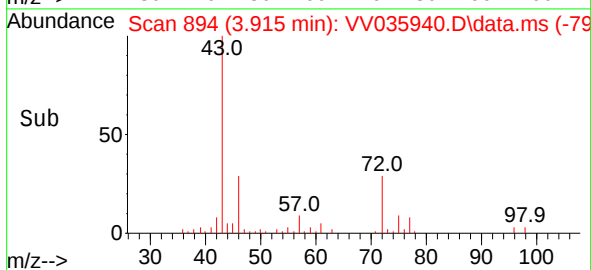
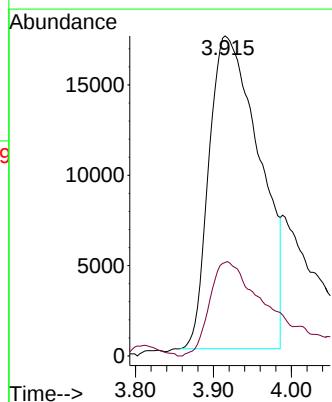
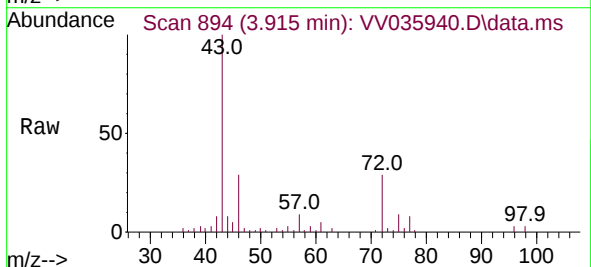


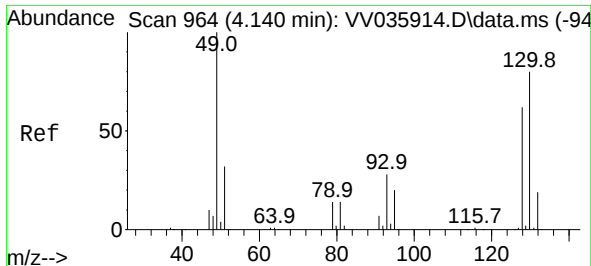
Tgt Ion: 96 Resp: 175771
Ion Ratio Lower Upper
96 100
61 124.8 87.9 163.3
98 65.1 44.4 82.5



#22
2-Butanone
Concen: 31.883 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.010 min
Lab File: VV035940.D
Acq: 31 May 2024 19:06

Tgt Ion: 43 Resp: 78025
Ion Ratio Lower Upper
43 100
72 31.9 8.2 24.4#





#23

Bromochloromethane

Concen: 24.892 ug/L

RT: 4.143 min Scan# 9

Delta R.T. 0.003 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:128 Resp: 93677

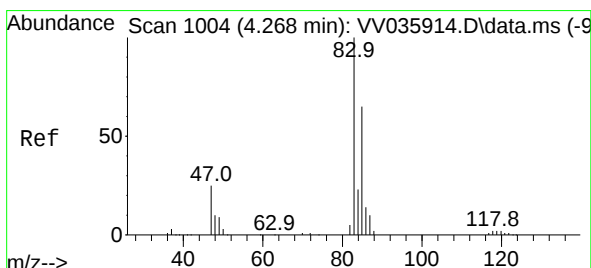
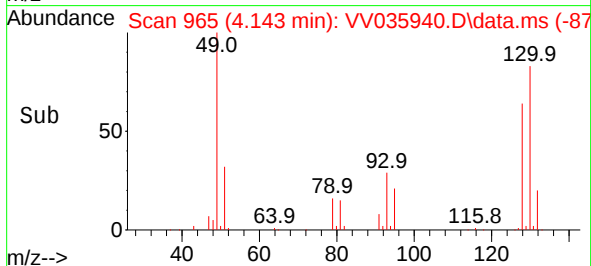
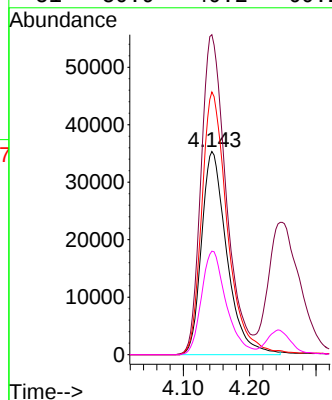
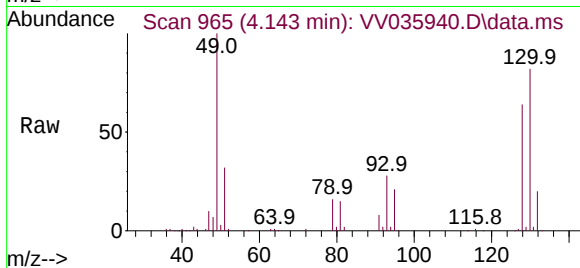
Ion Ratio Lower Upper

128 100

49 157.4 110.2 204.6

130 129.3 90.2 167.4

51 50.9 40.2 60.2



#25

Chloroform

Concen: 23.837 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV035940.D

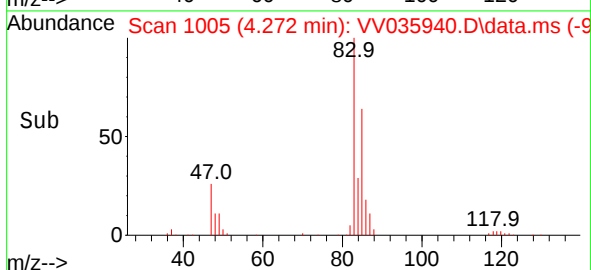
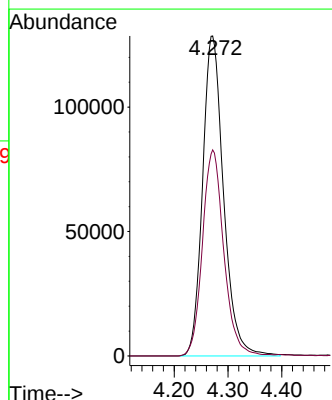
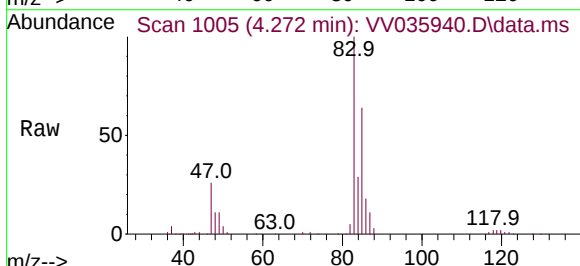
Acq: 31 May 2024 19:06

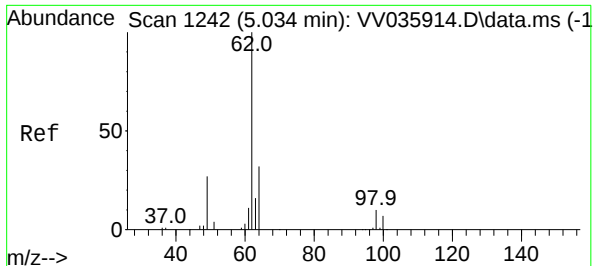
Tgt Ion: 83 Resp: 348661

Ion Ratio Lower Upper

83 100

85 64.4 45.2 84.0





#27

1,2-Dichloroethane

Concen: 25.397 ug/L

RT: 5.040 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

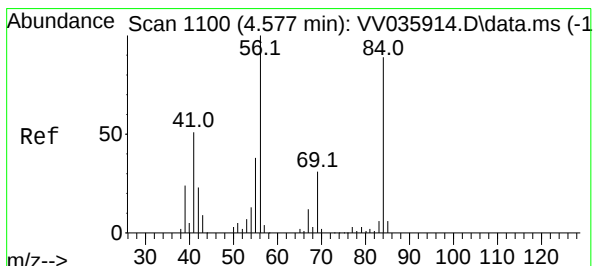
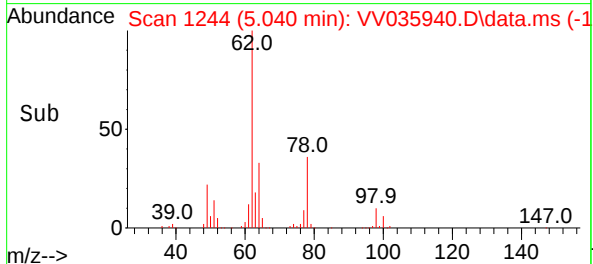
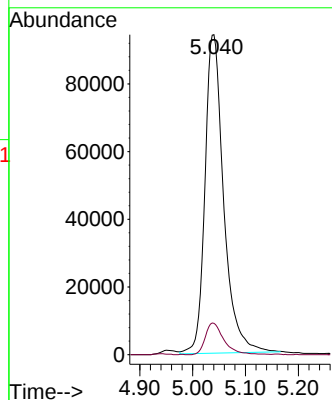
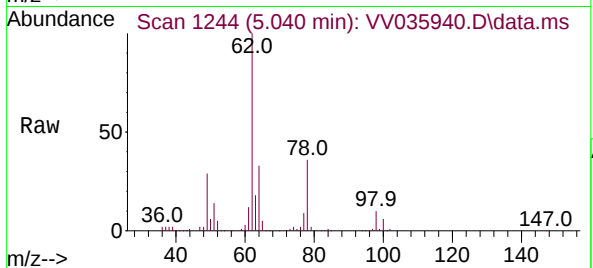
ClientSampleId :

Tgt Ion: 62 Resp: 231918

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.6



#29

Cyclohexane

Concen: 21.705 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

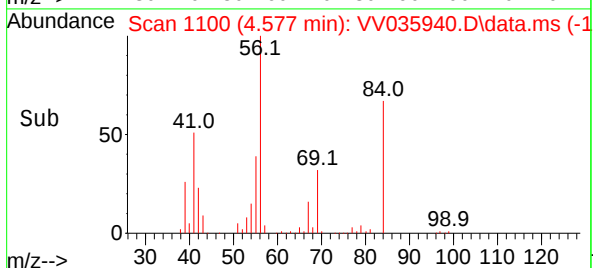
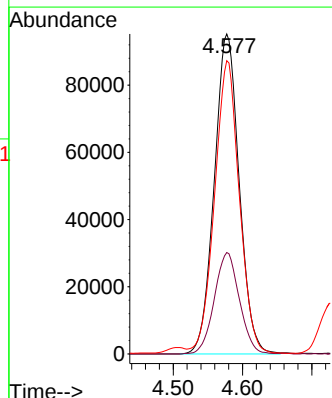
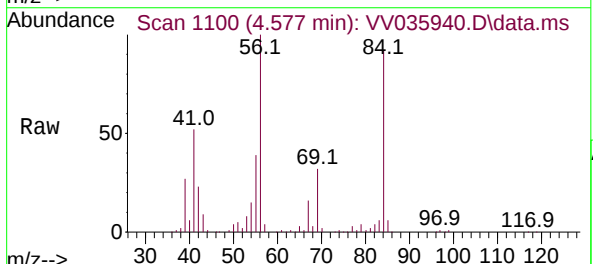
Tgt Ion: 56 Resp: 237744

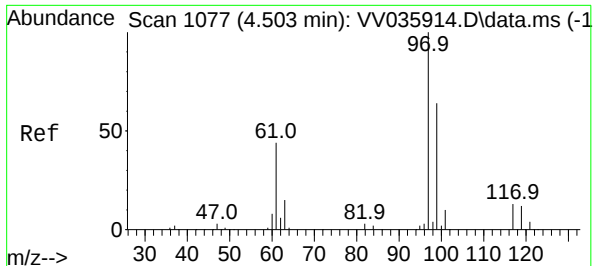
Ion Ratio Lower Upper

56 100

69 31.8 25.2 37.8

84 90.8 72.2 108.2





#30

1,1,1-Trichloroethane

Concen: 22.562 ug/L

RT: 4.506 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

ClientSampleId :

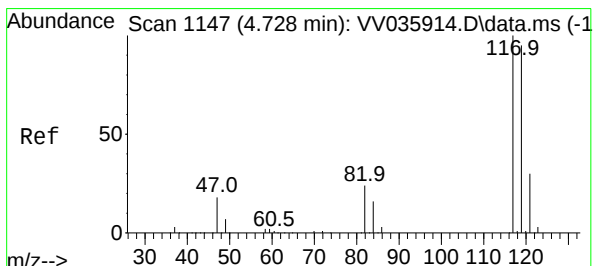
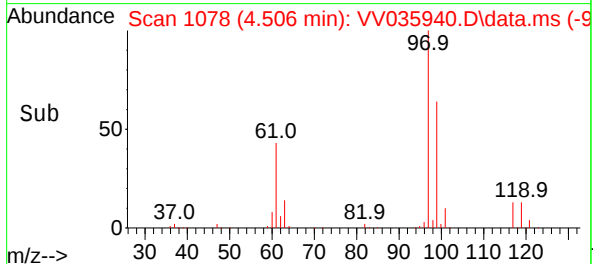
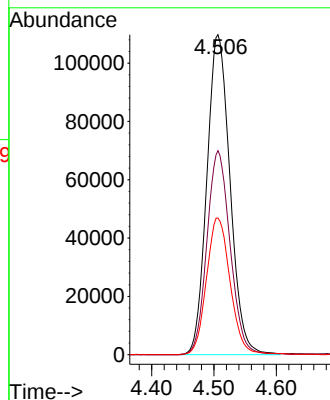
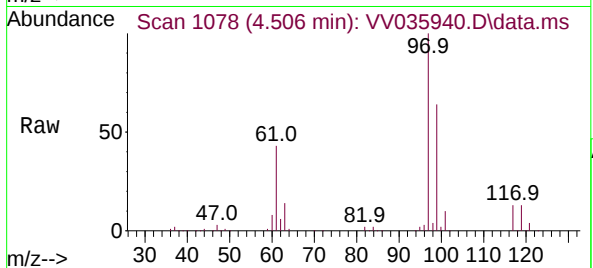
Tgt Ion: 97 Resp: 283761

Ion Ratio Lower Upper

97 100

99 63.9 50.9 76.3

61 43.6 35.0 52.6



#31

Carbon tetrachloride

Concen: 22.223 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. 0.000 min

Lab File: VV035940.D

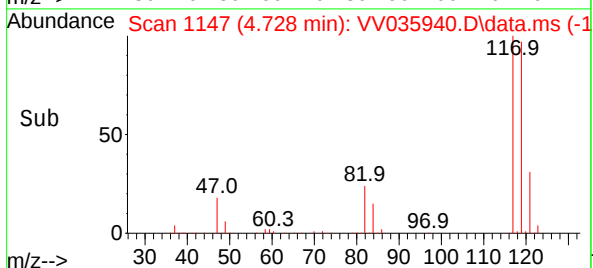
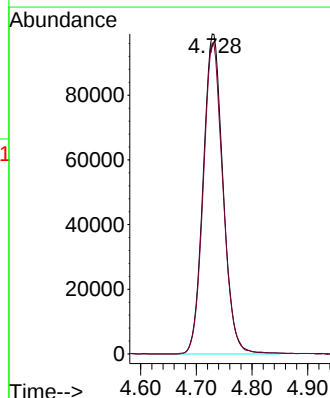
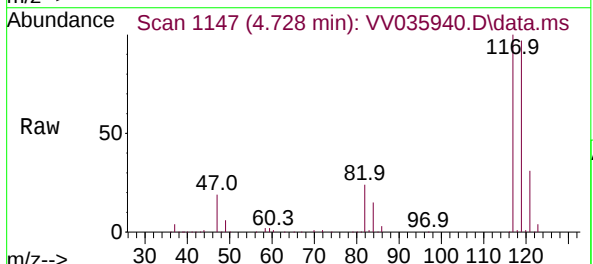
Acq: 31 May 2024 19:06

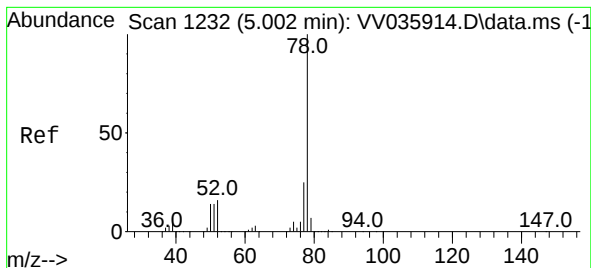
Tgt Ion: 117 Resp: 245196

Ion Ratio Lower Upper

117 100

119 96.0 76.8 115.2





#33

Benzene

Concen: 23.871 ug/L

RT: 5.005 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV035940.D

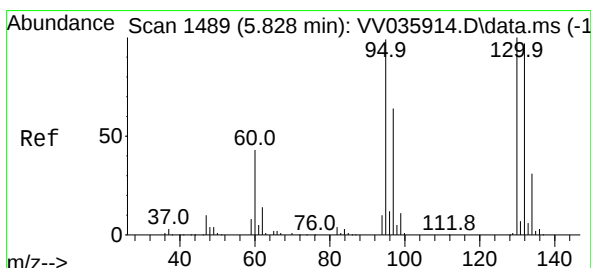
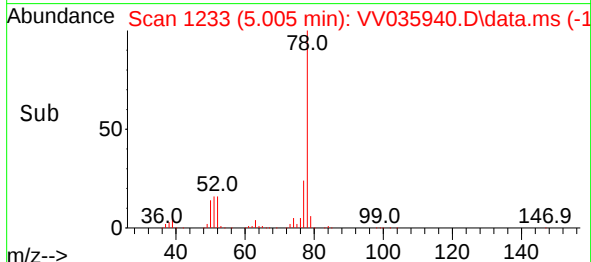
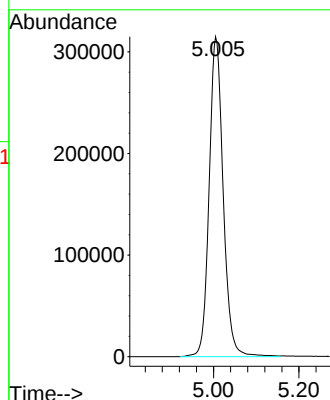
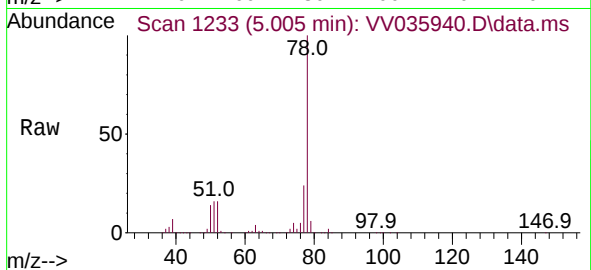
Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 718236



#34

Trichloroethene

Concen: 23.309 ug/L

RT: 5.828 min Scan# 1489

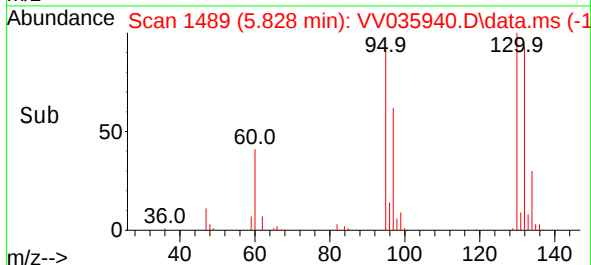
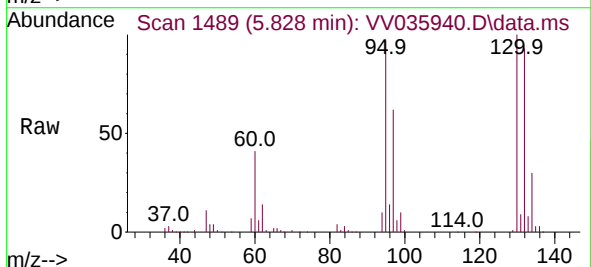
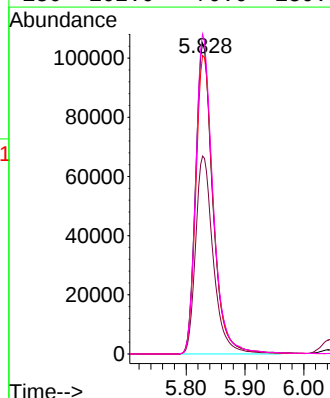
Delta R.T. 0.000 min

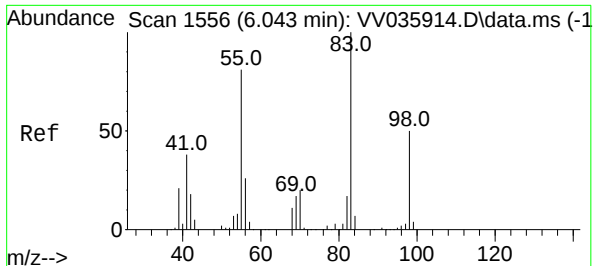
Lab File: VV035940.D

Acq: 31 May 2024 19:06

Tgt Ion: 95 Resp: 214944

Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.8	83.2
132	96.0	66.8	124.2
130	102.9	70.0	130.0





#35

Methylcyclohexane

Concen: 22.331 ug/L

RT: 6.047 min Scan# 1556

Delta R.T. 0.003 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

ClientSampleId :

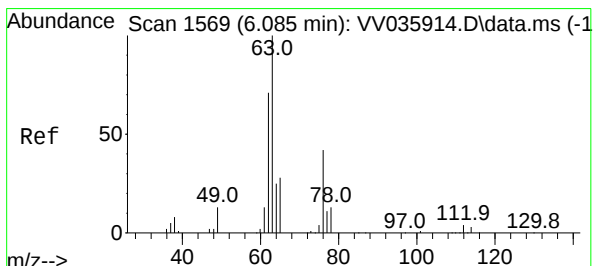
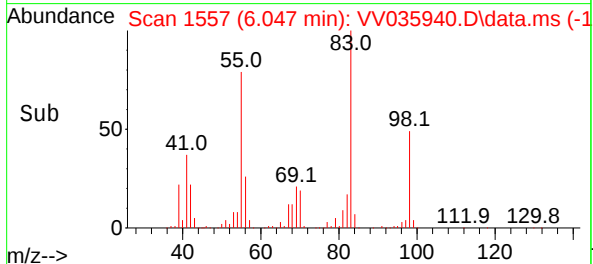
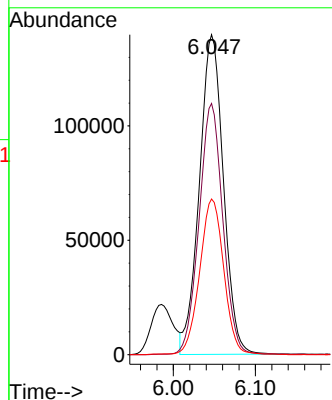
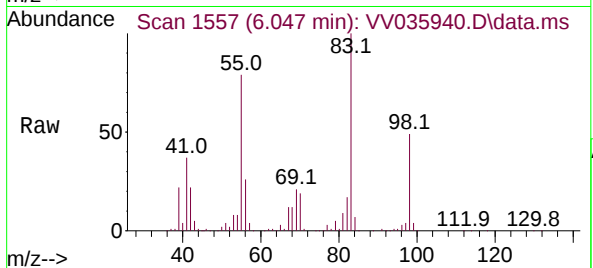
Tgt Ion: 83 Resp: 284776

Ion Ratio Lower Upper

83 100

55 77.4 60.7 91.1

98 48.4 38.7 58.1



#37

1,2-Dichloropropane

Concen: 24.259 ug/L

RT: 6.088 min Scan# 1570

Delta R.T. 0.003 min

Lab File: VV035940.D

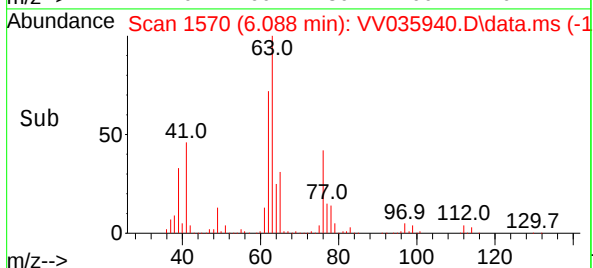
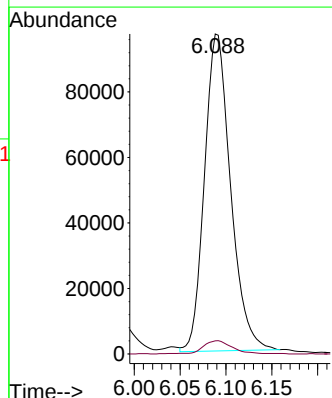
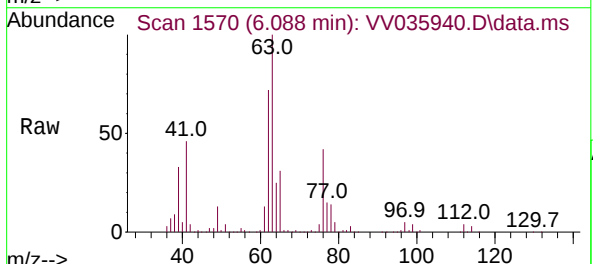
Acq: 31 May 2024 19:06

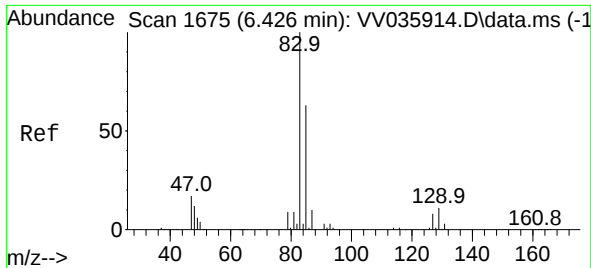
Tgt Ion: 63 Resp: 191658

Ion Ratio Lower Upper

63 100

112 4.2 3.5 5.3

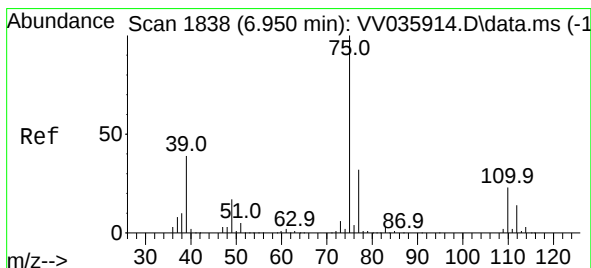
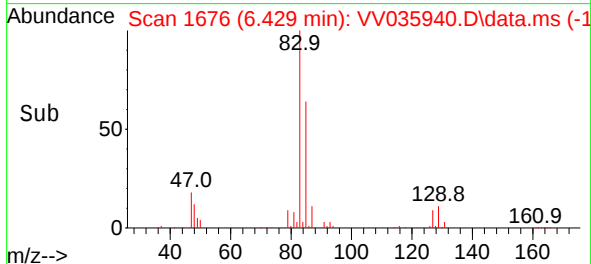
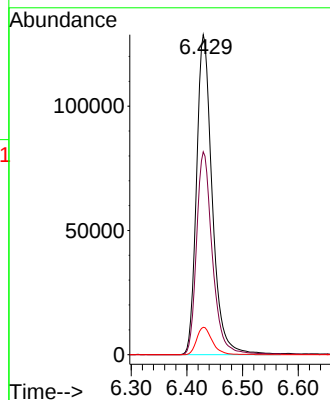
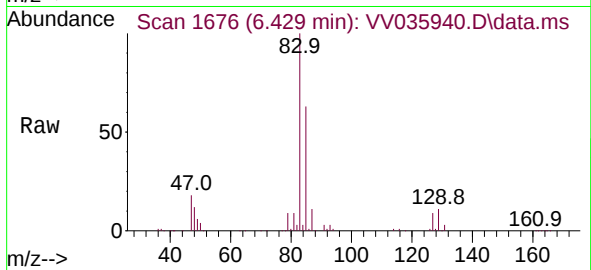




#38
Bromodichloromethane
Concen: 24.174 ug/L
RT: 6.429 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV035940.D
Acq: 31 May 2024 19:06

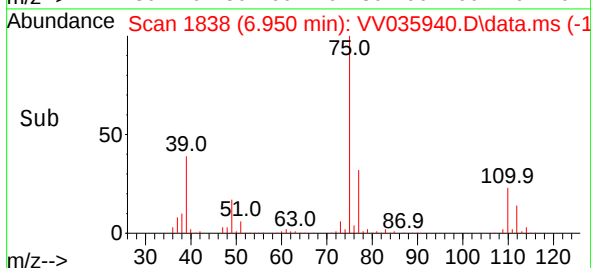
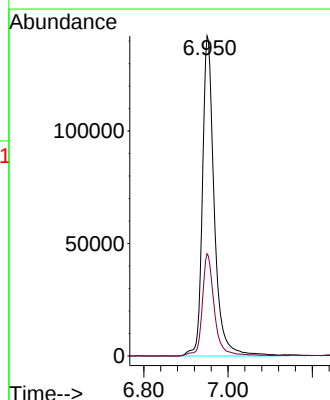
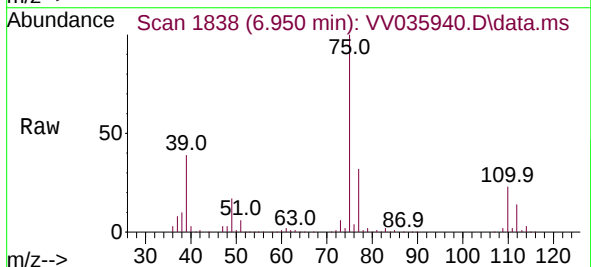
Instrument :
MSVOA_V
ClientSampleId :

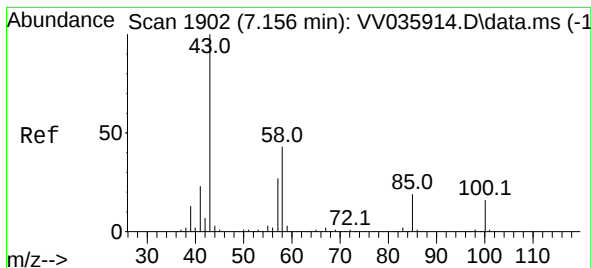
Tgt Ion: 83 Resp: 252793
Ion Ratio Lower Upper
83 100
85 63.4 45.3 84.1
127 8.6 6.7 10.1



#39
cis-1,3-Dichloropropene
Concen: 23.565 ug/L
RT: 6.950 min Scan# 1838
Delta R.T. 0.000 min
Lab File: VV035940.D
Acq: 31 May 2024 19:06

Tgt Ion: 75 Resp: 278458
Ion Ratio Lower Upper
75 100
77 32.0 22.1 41.1





#40

4-Methyl-2-pentanone

Concen: 53.843 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

ClientSampleId :

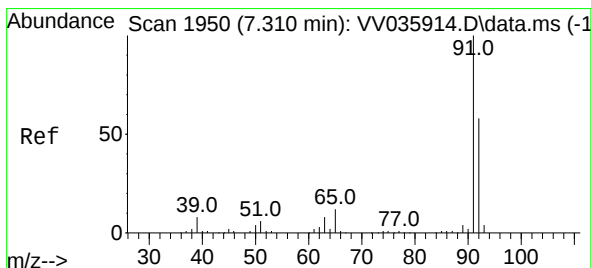
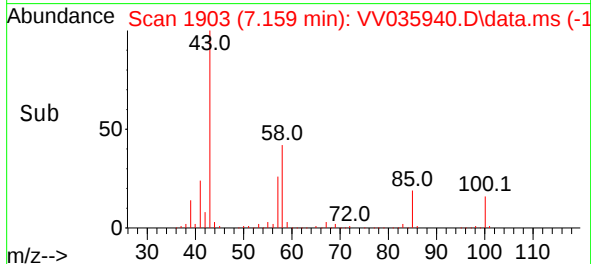
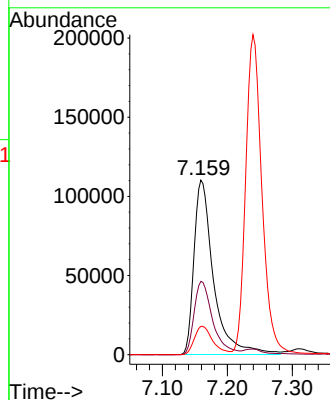
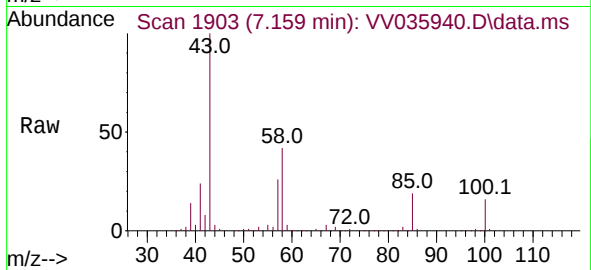
Tgt Ion: 43 Resp: 231117

Ion Ratio Lower Upper

43 100

58 40.1 32.5 48.7

100 15.4 12.5 18.7



#42

Toluene

Concen: 24.909 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV035940.D

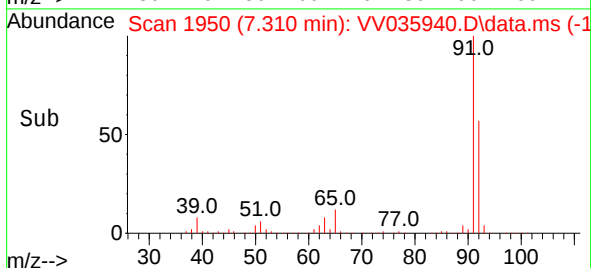
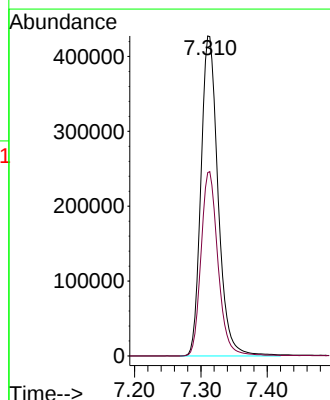
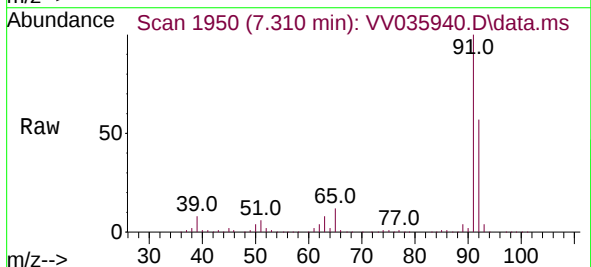
Acq: 31 May 2024 19:06

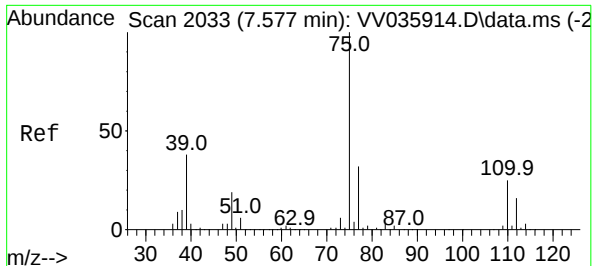
Tgt Ion: 91 Resp: 765837

Ion Ratio Lower Upper

91 100

92 57.3 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 25.093 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

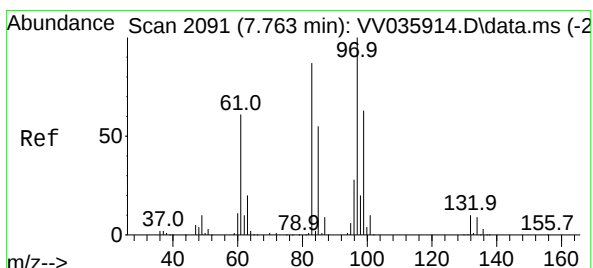
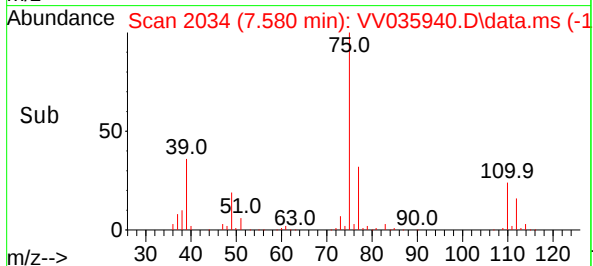
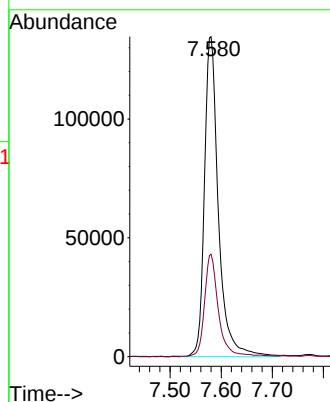
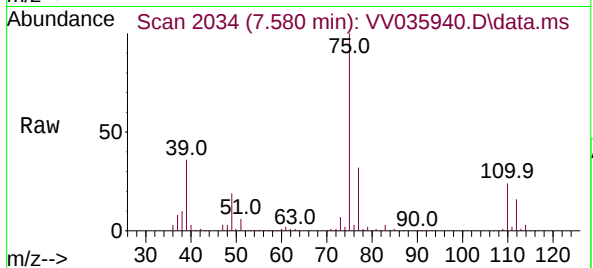
ClientSampleId :

Tgt Ion: 75 Resp: 256121

Ion Ratio Lower Upper

75 100

77 32.0 23.1 42.9



#45

1,1,2-Trichloroethane

Concen: 24.819 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.003 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Tgt Ion: 97 Resp: 162242

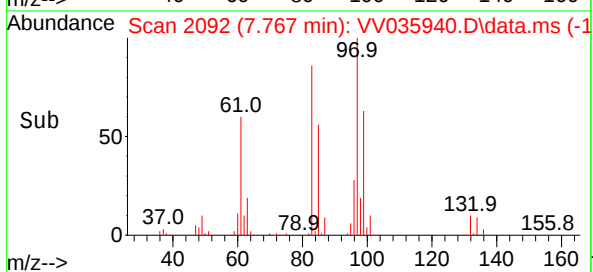
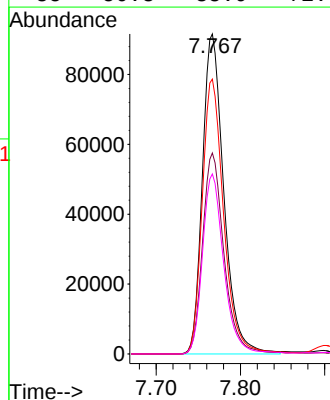
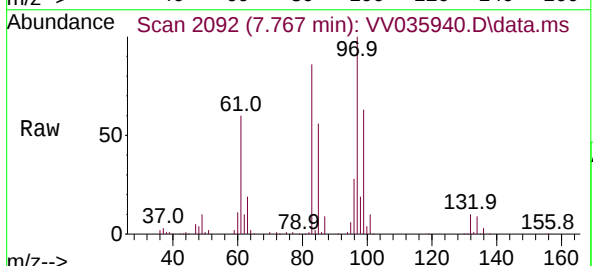
Ion Ratio Lower Upper

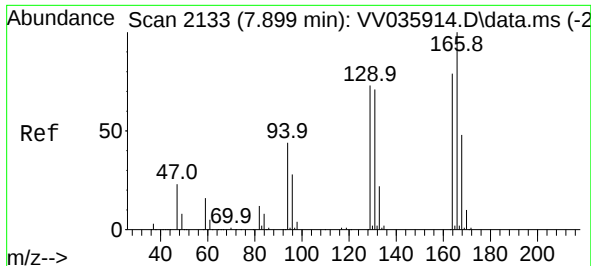
97 100

99 62.8 43.3 80.5

83 85.9 60.1 111.7

85 56.3 38.9 72.3





#46

Tetrachloroethene

Concen: 22.377 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

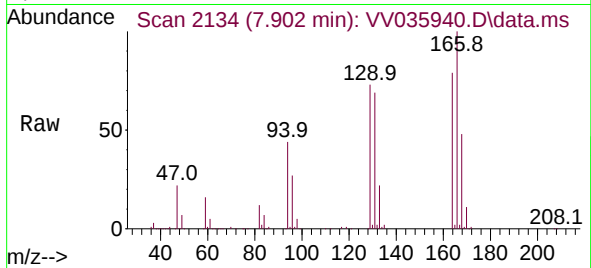
Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 150920

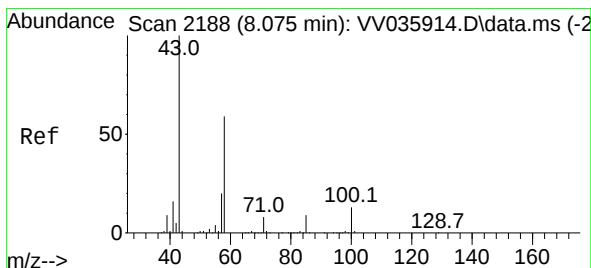
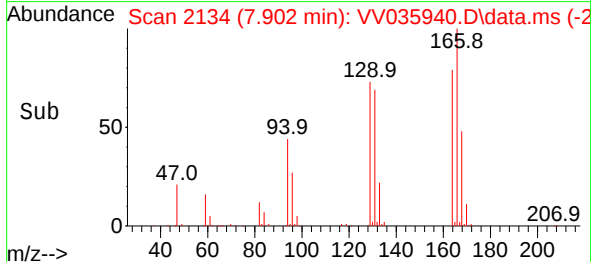
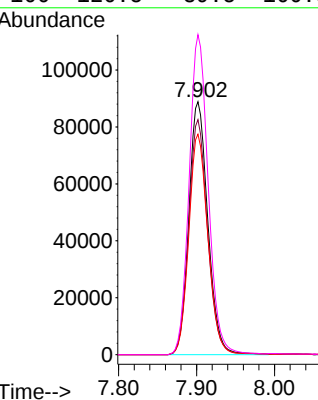
Ion Ratio Lower Upper

164 100

129 92.9 64.6 120.0

131 87.1 63.2 117.4

166 126.5 89.5 166.3



#48

2-Hexanone

Concen: 49.792 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.003 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Tgt Ion: 43 Resp: 167088

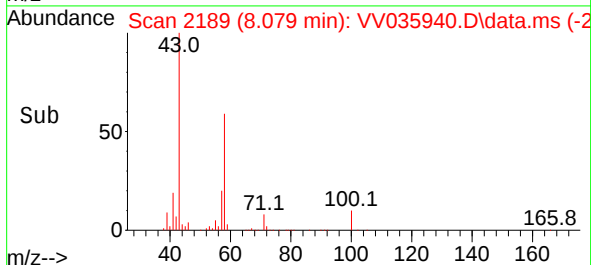
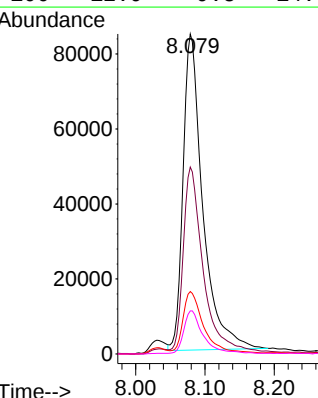
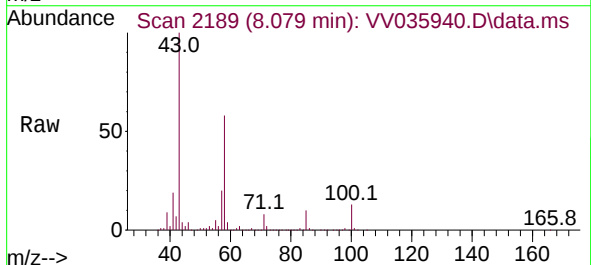
Ion Ratio Lower Upper

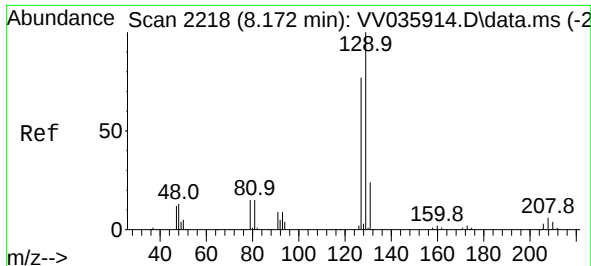
43 100

58 58.6 45.4 68.0

57 20.4 15.8 23.8

100 12.9 9.8 14.8





#49

Dibromochloromethane

Concen: 24.540 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.000 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

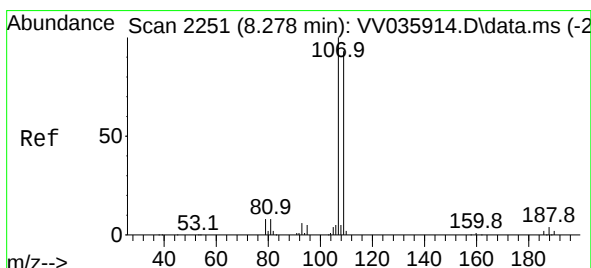
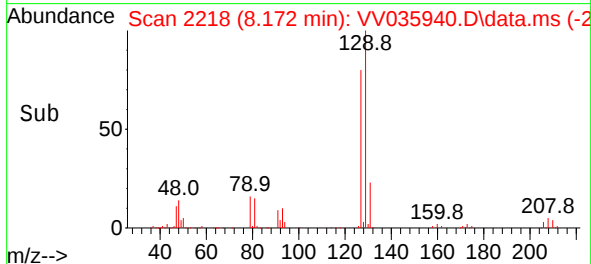
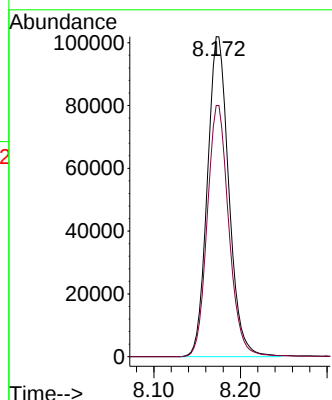
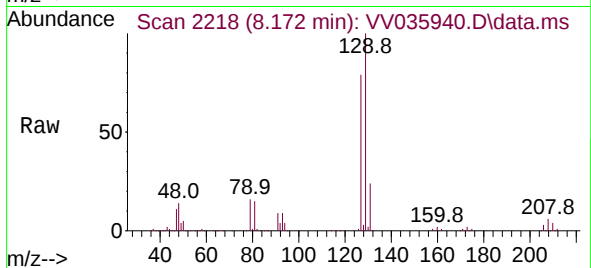
ClientSampleId :

Tgt Ion:129 Resp: 175568

Ion Ratio Lower Upper

129 100

127 78.5 53.9 100.1



#50

1,2-Dibromoethane

Concen: 25.338 ug/L

RT: 8.281 min Scan# 2252

Delta R.T. 0.003 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

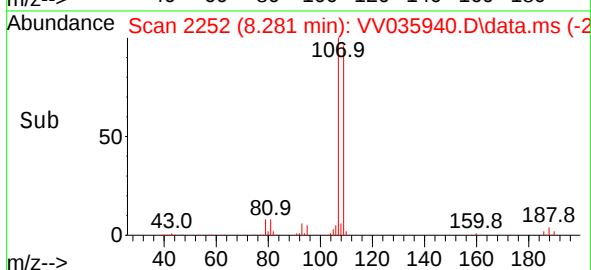
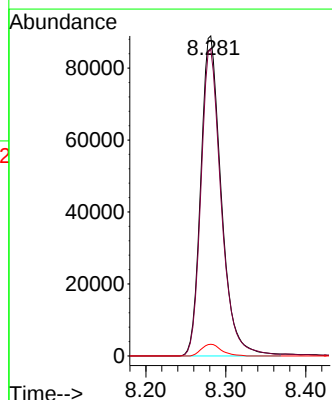
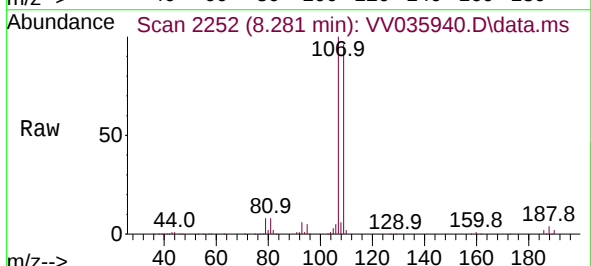
Tgt Ion:107 Resp: 158934

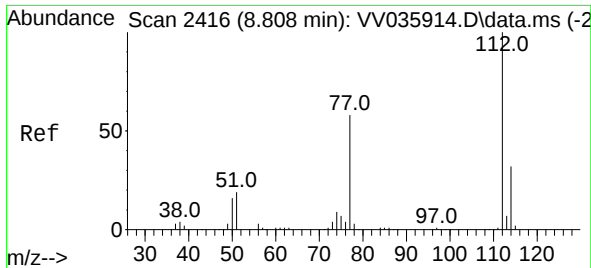
Ion Ratio Lower Upper

107 100

109 95.9 66.1 122.7

188 3.7 3.0 4.6





#51

Chlorobenzene

Concen: 23.397 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.003 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

ClientSampleId :

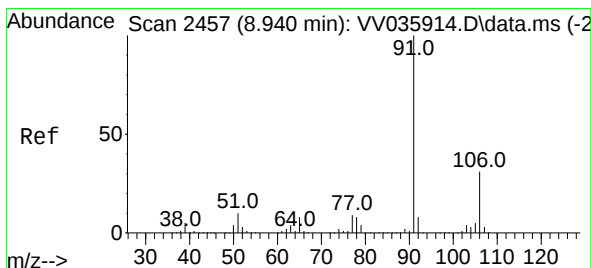
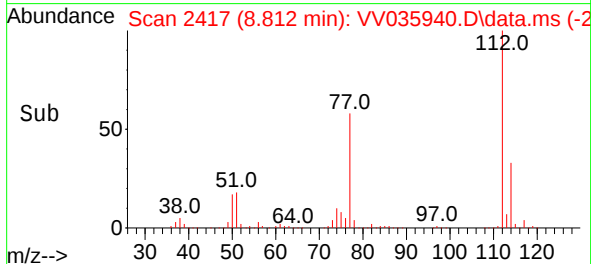
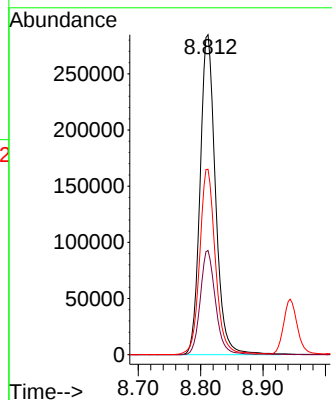
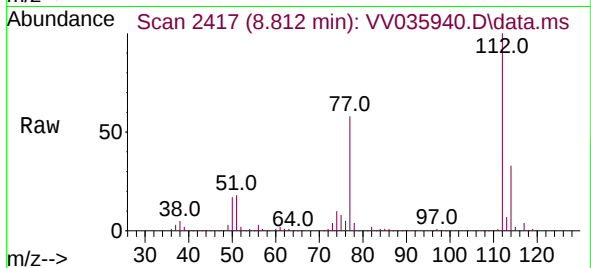
Tgt Ion:112 Resp: 490117

Ion Ratio Lower Upper

112 100

114 32.6 22.3 41.5

77 58.0 47.3 70.9



#52

Ethylbenzene

Concen: 23.985 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV035940.D

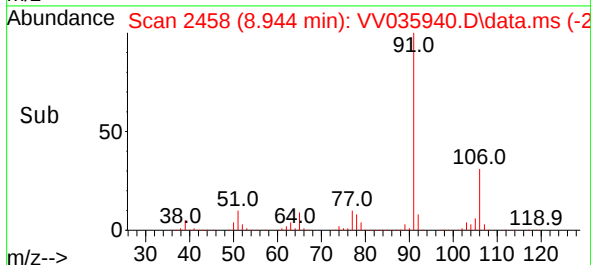
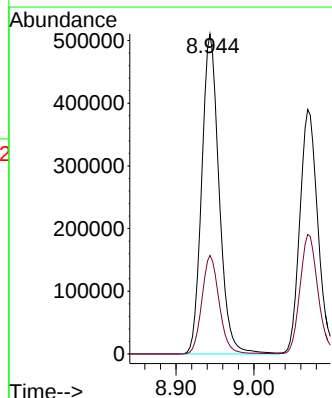
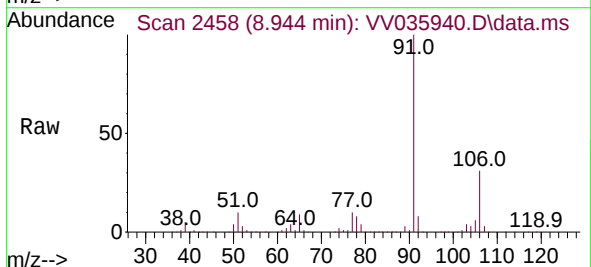
Acq: 31 May 2024 19:06

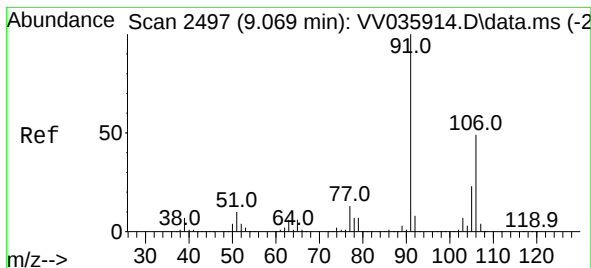
Tgt Ion: 91 Resp: 788964

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0





#53

m,p-Xylene

Concen: 24.668 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

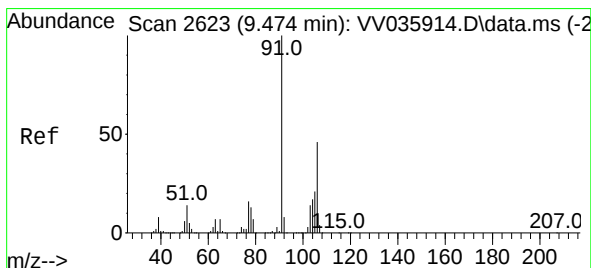
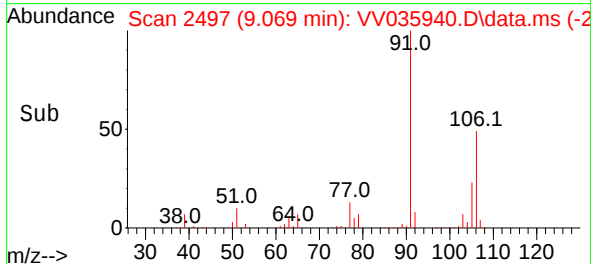
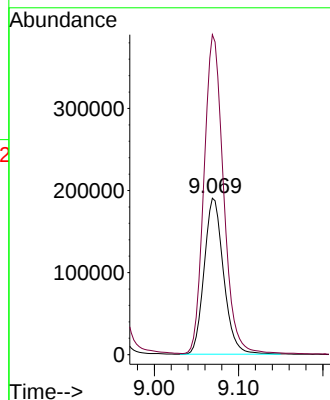
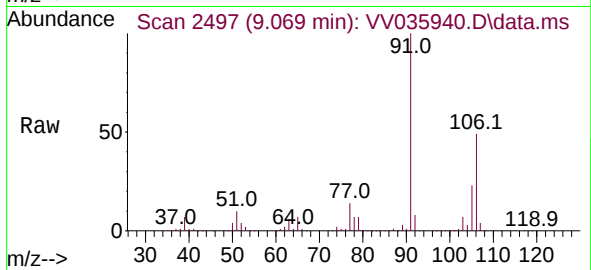
ClientSampleId :

Tgt Ion:106 Resp: 304892

Ion Ratio Lower Upper

106 100

91 204.5 143.1 265.9



#54

o-Xylene

Concen: 24.350 ug/L

RT: 9.474 min Scan# 2623

Delta R.T. 0.000 min

Lab File: VV035940.D

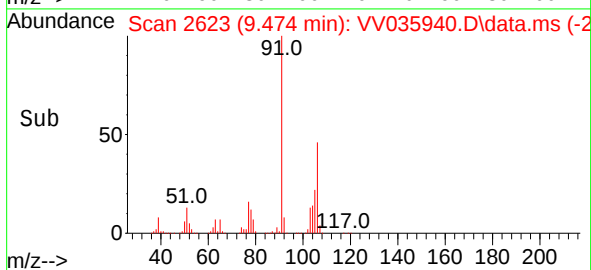
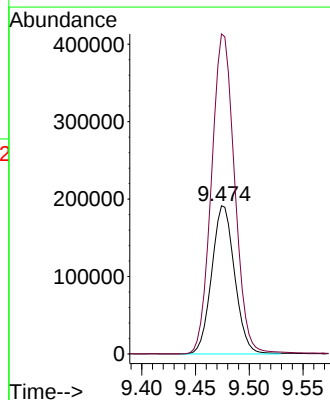
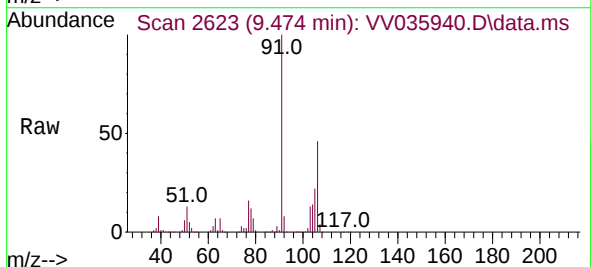
Acq: 31 May 2024 19:06

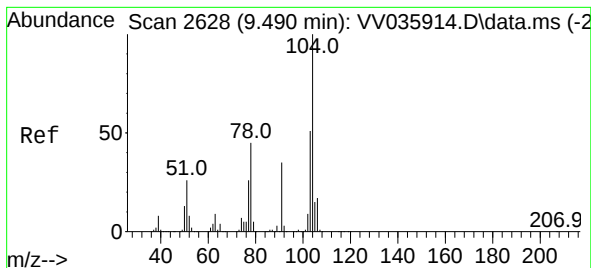
Tgt Ion:106 Resp: 283816

Ion Ratio Lower Upper

106 100

91 215.9 154.5 286.9





#55

Styrene

Concen: 26.398 ug/L

RT: 9.493 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

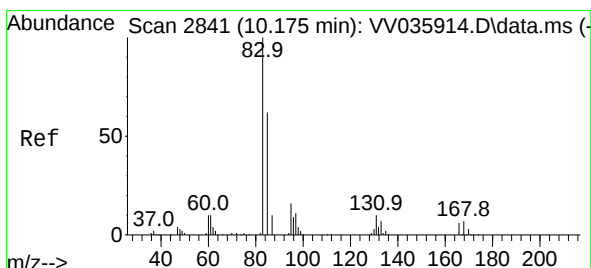
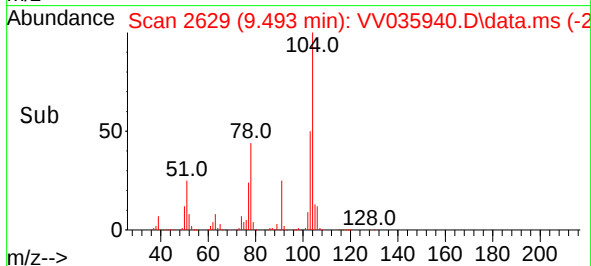
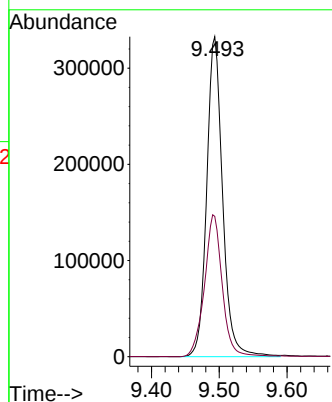
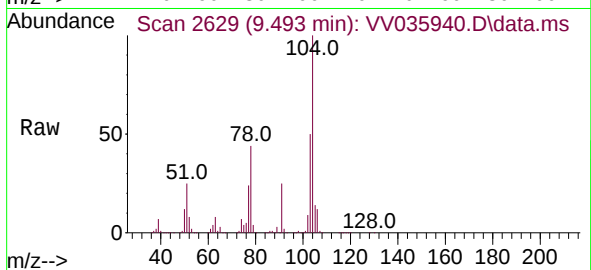
ClientSampleId :

Tgt Ion:104 Resp: 542592

Ion Ratio Lower Upper

104 100

78 43.9 31.4 58.2



#57

1,1,2,2-Tetrachloroethane

Concen: 23.995 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

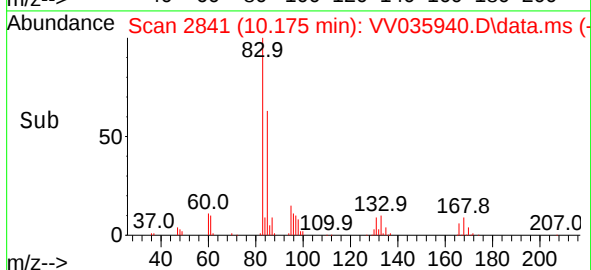
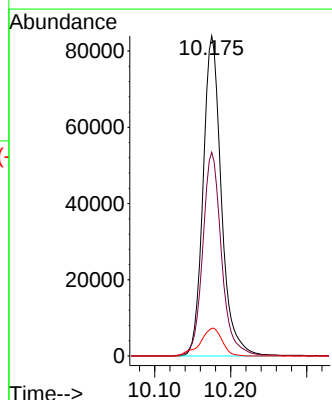
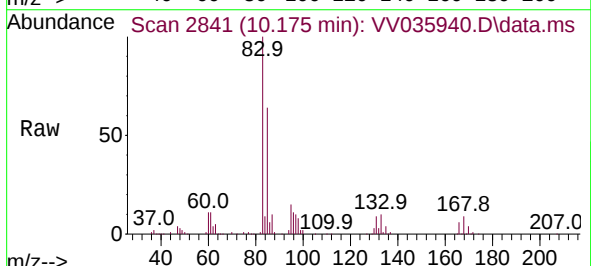
Tgt Ion: 83 Resp: 140451

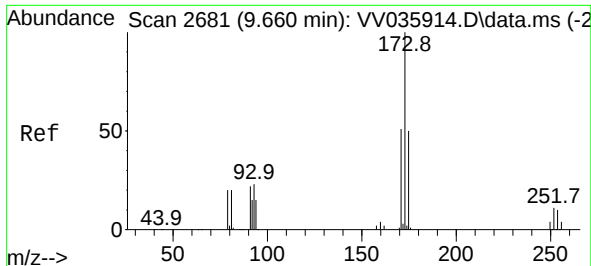
Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

131 8.7 7.6 11.4





#59

Bromoform

Concen: 23.782 ug/L

RT: 9.664 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

ClientSampleId :

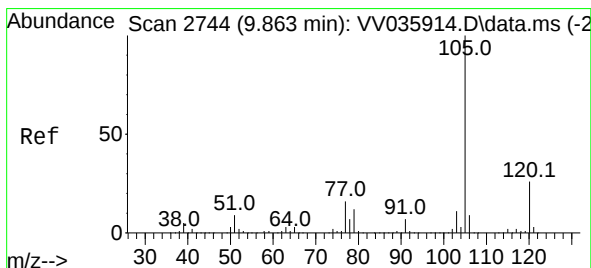
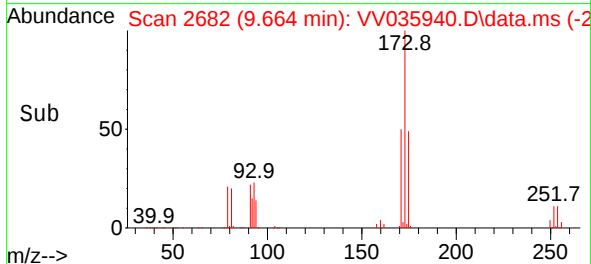
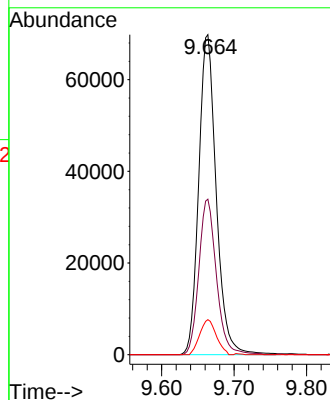
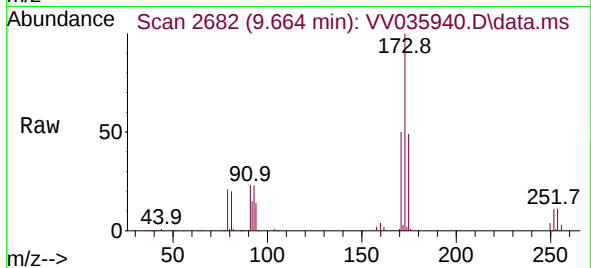
Tgt Ion:173 Resp: 117156

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

254 10.3 8.6 13.0



#60

Isopropylbenzene

Concen: 22.812 ug/L

RT: 9.863 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

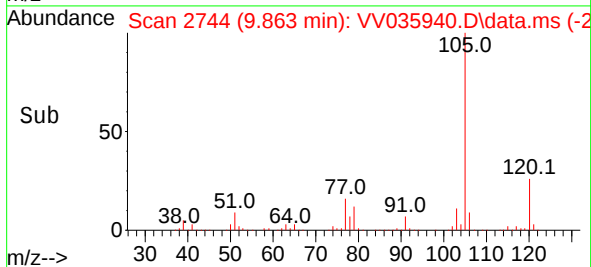
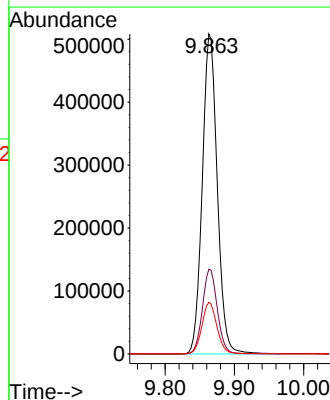
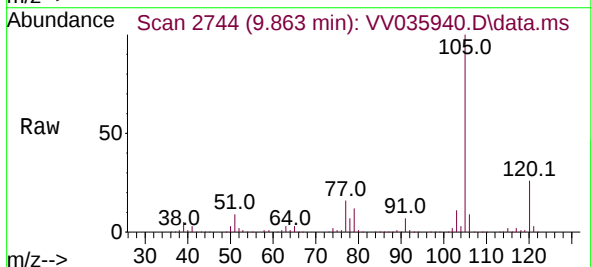
Tgt Ion:105 Resp: 764495

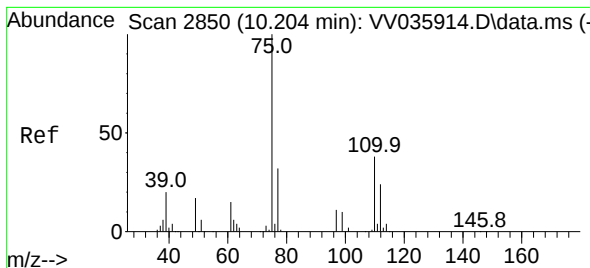
Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

77 16.0 12.6 18.8





#61

1,2,3-Trichloropropane

Concen: 24.337 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

ClientSampleId :

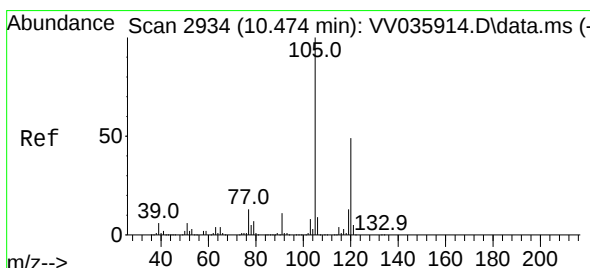
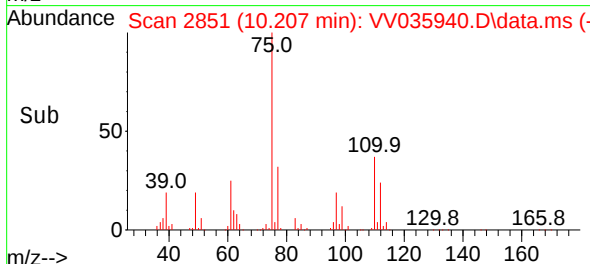
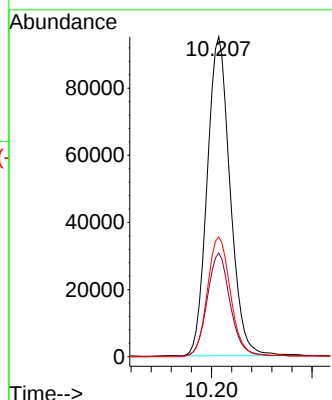
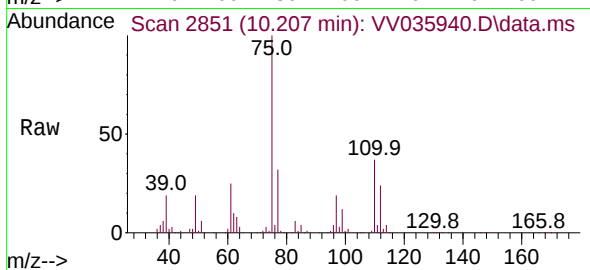
Tgt Ion: 75 Resp: 150358

Ion Ratio Lower Upper

75 100

77 32.0 26.0 39.0

110 37.9 32.2 48.4



#62

1,3,5-Trimethylbenzene

Concen: 22.854 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035940.D

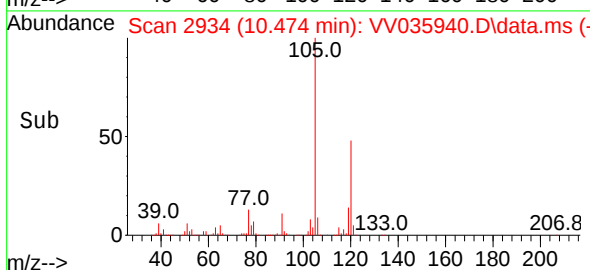
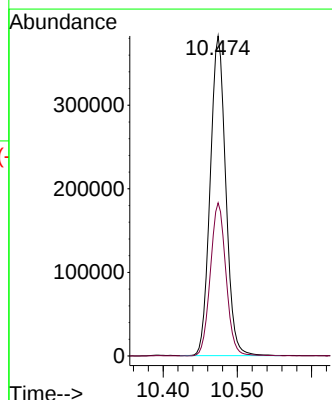
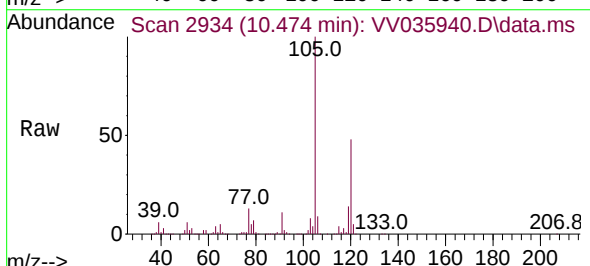
Acq: 31 May 2024 19:06

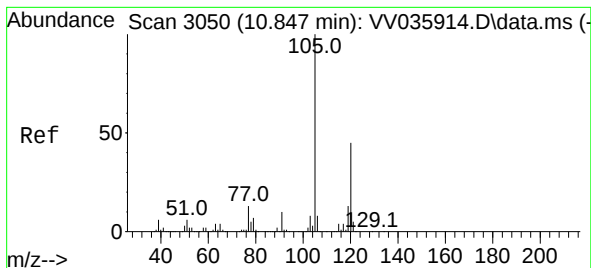
Tgt Ion:105 Resp: 555402

Ion Ratio Lower Upper

105 100

120 48.1 38.6 58.0





#63

1,2,4-Trimethylbenzene

Concen: 23.858 ug/L

RT: 10.850 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

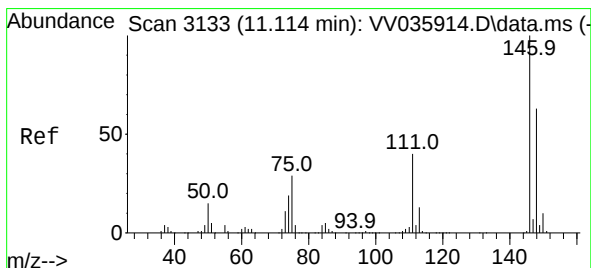
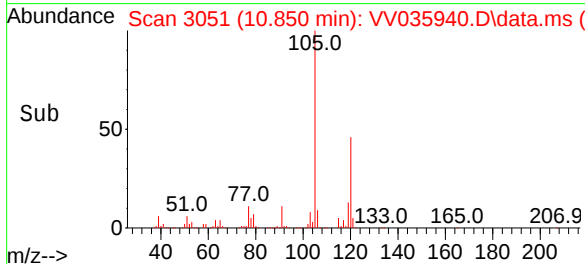
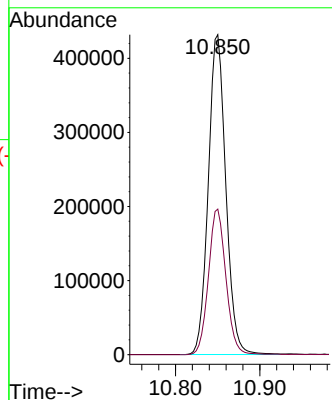
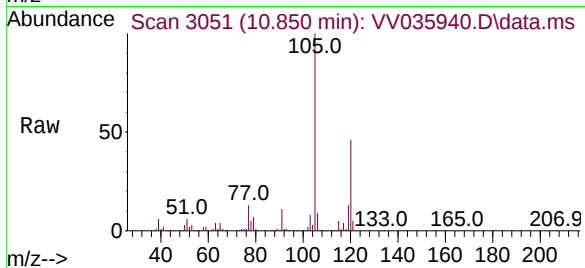
ClientSampleId :

Tgt Ion:105 Resp: 624692

Ion Ratio Lower Upper

105 100

120 45.5 36.2 54.4



#64

1,3-Dichlorobenzene

Concen: 23.002 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

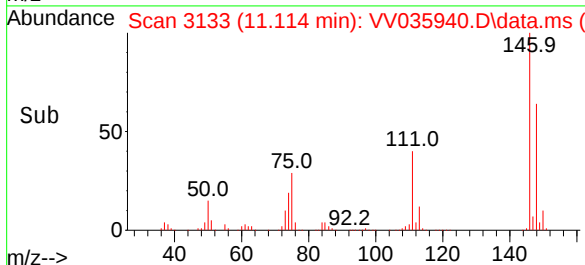
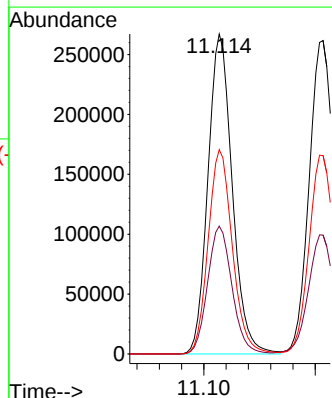
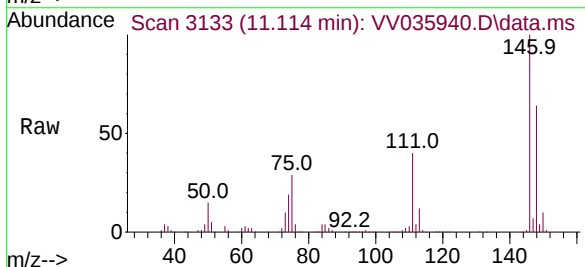
Tgt Ion:146 Resp: 404828

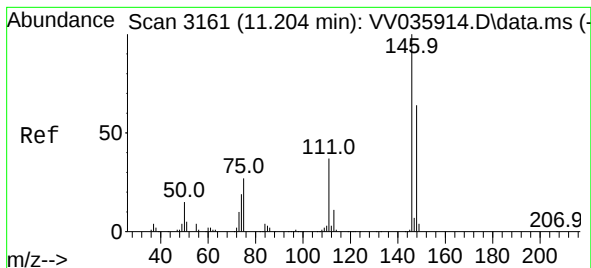
Ion Ratio Lower Upper

146 100

111 39.9 28.1 52.1

148 63.9 44.7 83.1





#65

1,4-Dichlorobenzene

Concen: 23.155 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

ClientSampleId :

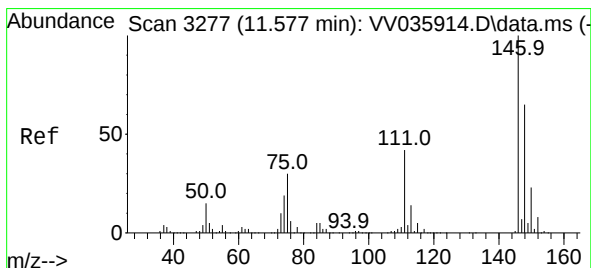
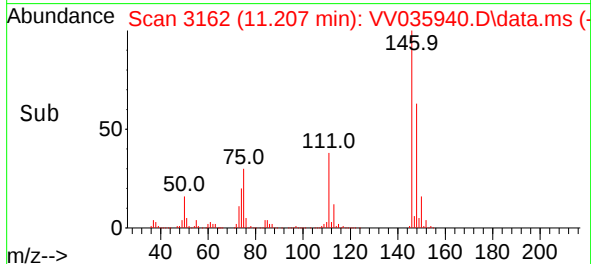
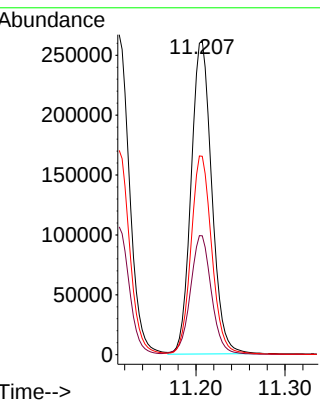
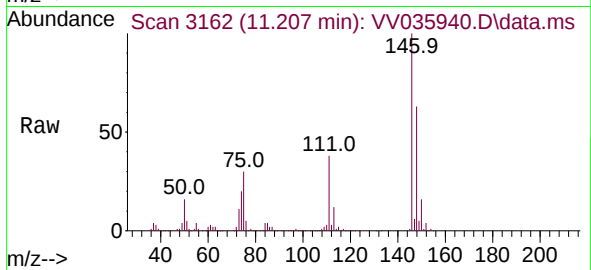
Tgt Ion:146 Resp: 420632

Ion Ratio Lower Upper

146 100

111 37.9 26.9 50.1

148 63.3 44.5 82.7



#67

1,2-Dichlorobenzene

Concen: 23.284 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

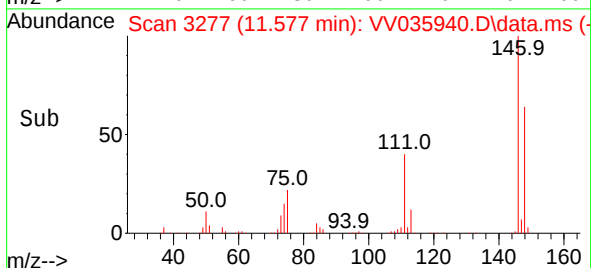
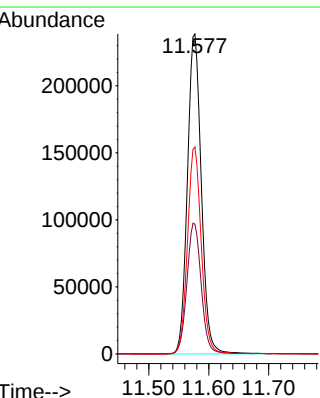
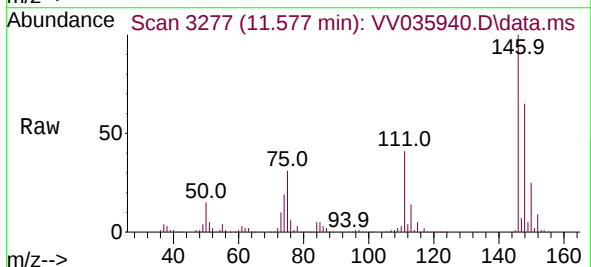
Tgt Ion:146 Resp: 385630

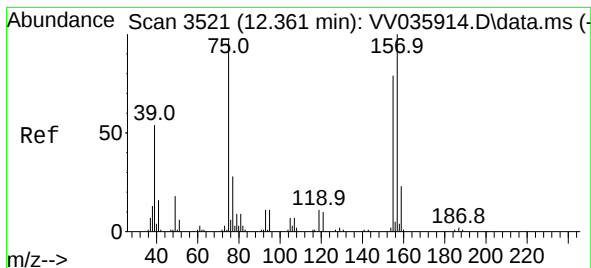
Ion Ratio Lower Upper

146 100

111 40.6 33.5 50.3

148 64.7 50.9 76.3





#68

1,2-Dibromo-3-chloropropane

Concen: 25.179 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Instrument :

MSVOA_V

ClientSampleId :

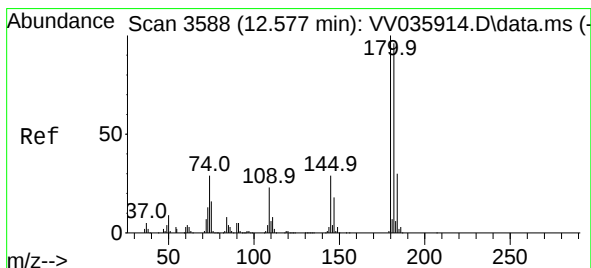
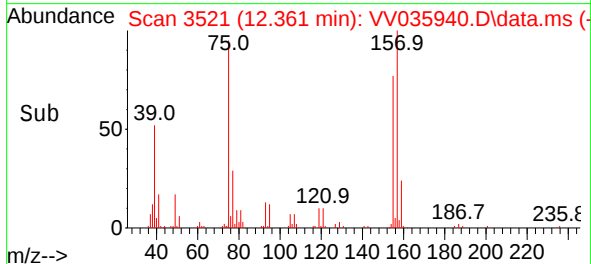
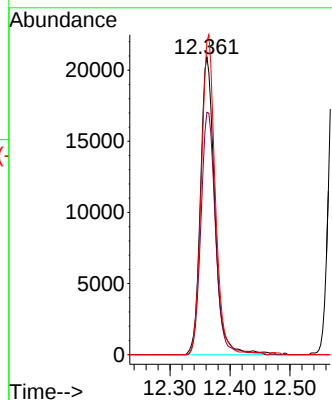
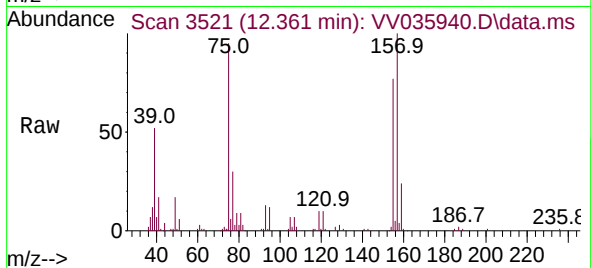
Tgt Ion: 75 Resp: 34786

Ion Ratio Lower Upper

75 100

155 81.5 63.3 94.9

157 105.4 82.4 123.6



#69

1,3,5-Trichlorobenzene

Concen: 22.280 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

Lab File: VV035940.D

Acq: 31 May 2024 19:06

Tgt Ion:180 Resp: 293315

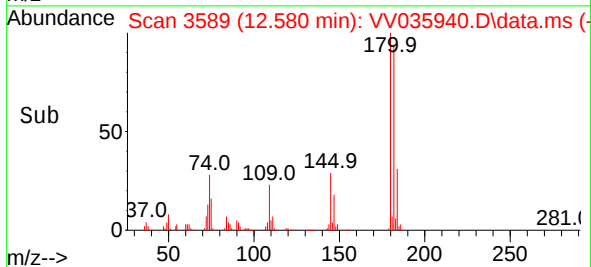
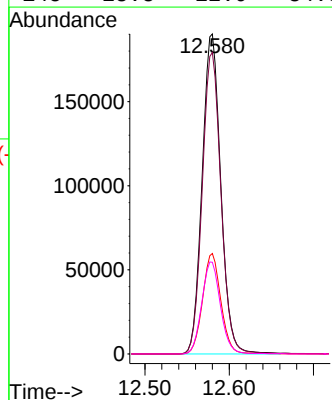
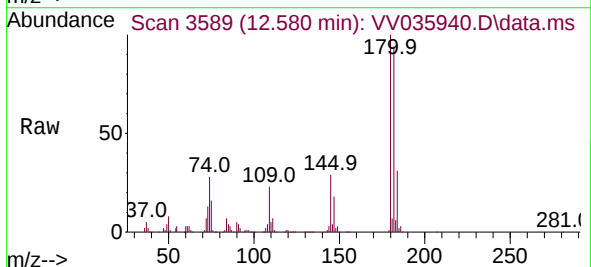
Ion Ratio Lower Upper

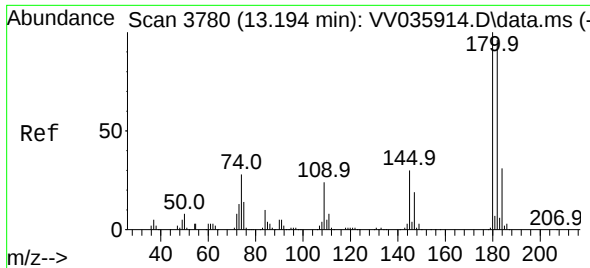
180 100

182 94.5 76.2 114.4

184 30.7 24.2 36.2

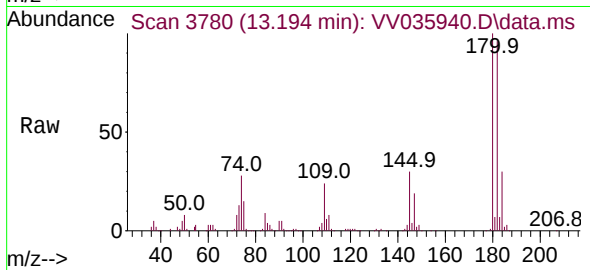
145 28.8 22.9 34.3



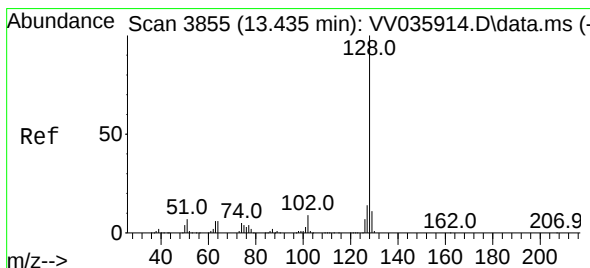
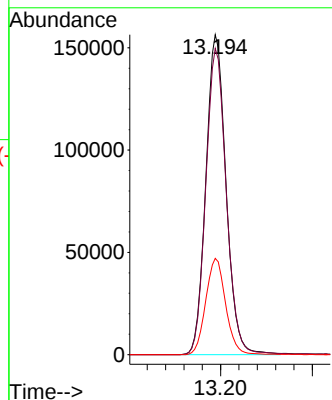
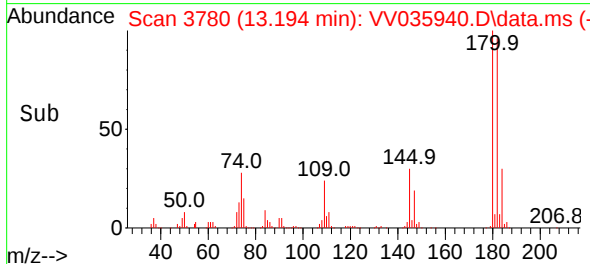


#70
1,2,4-trichlorobenzene
Concen: 23.113 ug/L
RT: 13.194 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV035940.D
Acq: 31 May 2024 19:06

Instrument :
MSVOA_V
ClientSampleId :

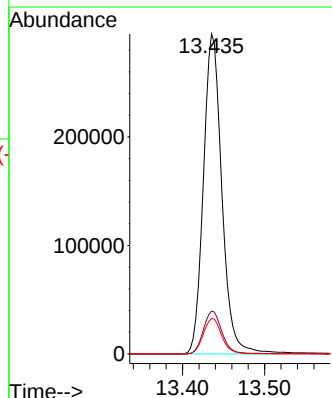
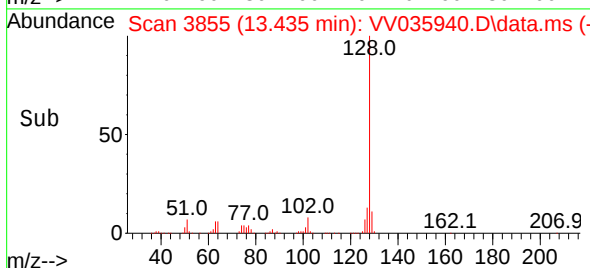
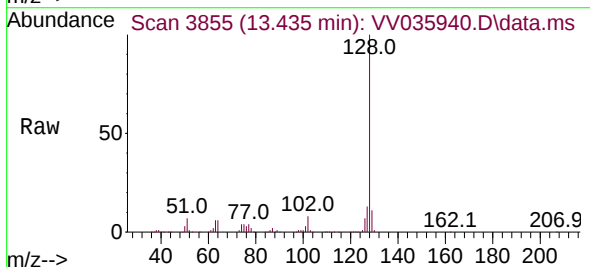


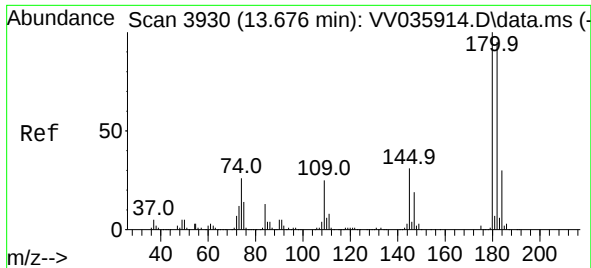
Tgt Ion:180 Resp: 239588
Ion Ratio Lower Upper
180 100
182 96.9 76.1 114.1
145 29.6 23.5 35.3



#71
Naphthalene
Concen: 27.239 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. 0.000 min
Lab File: VV035940.D
Acq: 31 May 2024 19:06

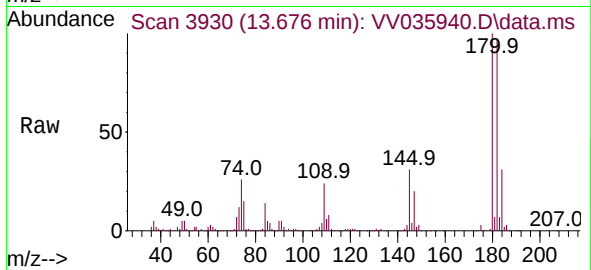
Tgt Ion:128 Resp: 460793
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 11.1 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 26.102 ug/L
 RT: 13.676 min Scan# 3930
 Delta R.T. 0.000 min
 Lab File: VV035940.D
 Acq: 31 May 2024 19:06

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	180	Resp:	246907
Ion Ratio	Lower	Upper	
180	100		
182	95.6	75.1	112.7
145	31.2	25.2	37.8

