

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032624\
 Data File : VV034852.D
 Acq On : 27 Mar 2024 01:03
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 27 01:42:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 01:34:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	361477	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	349584	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	179310	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	168390	48.236	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.480%
7) Chloroethane-d5	1.532	69	160066	52.790	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.580%
11) 1,1-Dichloroethene-d2	2.060	65	73381	47.953	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.900%
21) 2-Butanone-d5	3.786	46	207819	100.375	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.370%
24) Chloroform-d	4.246	84	303135	51.646	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.300%
26) 1,2-Dichloroethane-d4	4.940	65	189446	50.838	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.680%
32) Benzene-d6	4.960	84	591492	50.371	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.740%
36) 1,2-Dichloropropane-d6	5.985	67	189447	50.805	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.620%
41) Toluene-d8	7.243	98	537230	50.800	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.600%
43) trans-1,3-Dichloroprop...	7.551	79	90187	49.751	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.500%
47) 2-Hexanone-d5	8.024	63	143931	102.091	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.090%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	265500	51.704	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	11.558	152	203320	50.503	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	109501	41.796	ug/L	99
3) Chloromethane	1.217	50	166471	49.426	ug/L	100
5) Vinyl chloride	1.285	62	178713	50.614	ug/L	99
6) Bromomethane	1.487	94	143348	54.160	ug/L	99
8) Chloroethane	1.548	64	126980	52.656	ug/L	98
9) Trichlorofluoromethane	1.712	101	224259	48.391	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	118865	41.905	ug/L	99
12) 1,1-Dichloroethene	2.069	96	137036	50.513	ug/L	99
13) Acetone	2.117	43	141952	74.680	ug/L	99
14) Carbon disulfide	2.243	76	377342	49.392	ug/L	99
15) Methyl Acetate	2.371	43	149741	49.990	ug/L	96
16) Methylene chloride	2.445	84	152577	51.905	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	135013	51.475	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	482453	52.369	ug/L	100
19) 1,1-Dichloroethane	3.111	63	278978	51.867	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	159605	53.588	ug/L	93
22) 2-Butanone	3.867	43	193926	87.921	ug/L	99
23) Bromochloromethane	4.146	128	80016	53.696	ug/L	93
25) Chloroform	4.275	83	279959	52.646	ug/L	99

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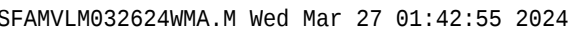
Instrument :
 MSVOA_V
 ClientSampleId :

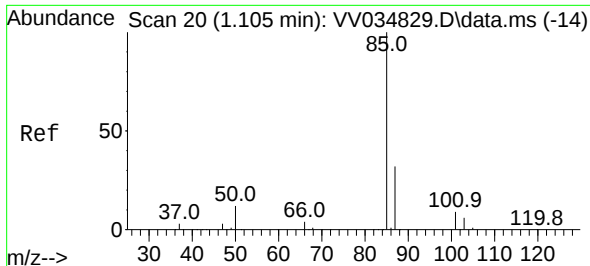
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 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 01:34:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	227974	53.844	ug/L	100
29) Cyclohexane	4.584	56	184932	42.237	ug/L	97
30) 1,1,1-Trichloroethane	4.510	97	233768	51.301	ug/L	99
31) Carbon tetrachloride	4.735	117	194635	50.394	ug/L	99
33) Benzene	5.008	78	593471	52.061	ug/L	100
34) Trichloroethene	5.831	95	157446	51.178	ug/L	97
35) Methylcyclohexane	6.050	83	182875	39.360	ug/L	99
37) 1,2-Dichloropropane	6.092	63	162128	51.465	ug/L	99
38) Bromodichloromethane	6.432	83	213016	52.407	ug/L	97
39) cis-1,3-Dichloropropene	6.953	75	256416	51.669	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	411994	102.431	ug/L	100
42) Toluene	7.313	91	630815	52.857	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	240768	52.808	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	157070	52.899	ug/L	99
46) Tetrachloroethene	7.905	164	106557	49.577	ug/L	99
48) 2-Hexanone	8.072	43	328047	95.896	ug/L	98
49) Dibromochloromethane	8.175	129	155912	53.016	ug/L	99
50) 1,2-Dibromoethane	8.281	107	166112	51.963	ug/L	97
51) Chlorobenzene	8.812	112	396134	51.213	ug/L	99
52) Ethylbenzene	8.943	91	685286	51.810	ug/L	99
53) m,p-Xylene	9.072	106	254025	52.151	ug/L	99
54) o-Xylene	9.477	106	252050	52.298	ug/L	98
55) Styrene	9.493	104	436970	53.652	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	253110	52.612	ug/L	100
59) Bromoform	9.664	173	109435	53.257	ug/L	99
60) Isopropylbenzene	9.866	105	667356	51.626	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	201863	51.952	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	437245	52.082	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	553333	53.309	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	310183	51.347	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	314539	51.201	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	315181	52.374	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	53808	50.266	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	218343	50.151	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	202189	50.557	ug/L	98
71) Naphthalene	13.435	128	561197	50.579	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	206512	52.386	ug/L	99

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

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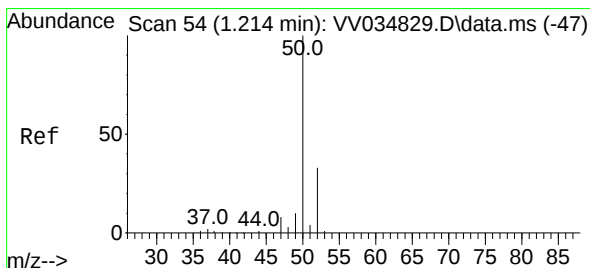
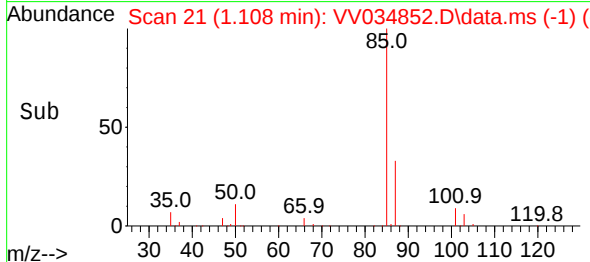
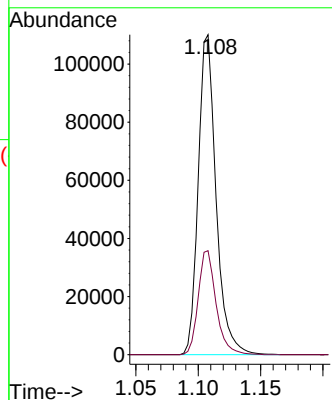
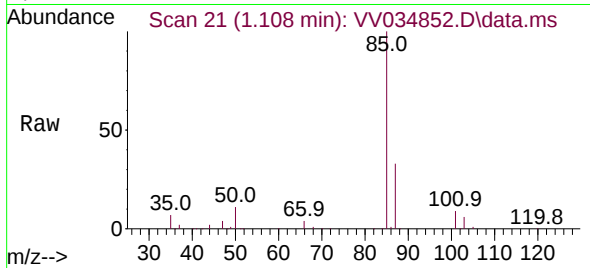




#2
 Dichlorodifluoromethane
 Concen: 41.796 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV034852.D
 Acq: 27 Mar 2024 01:03

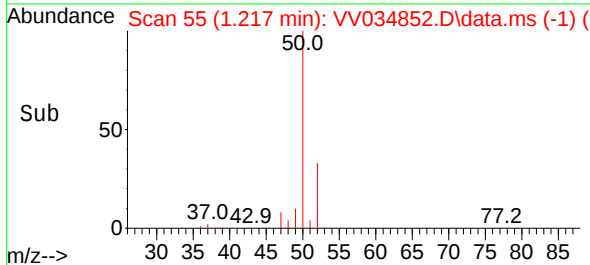
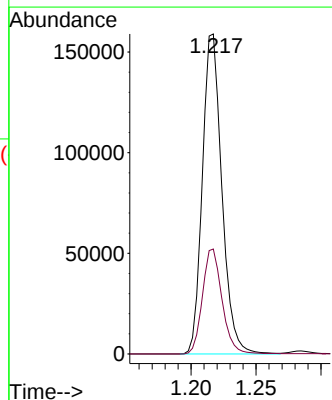
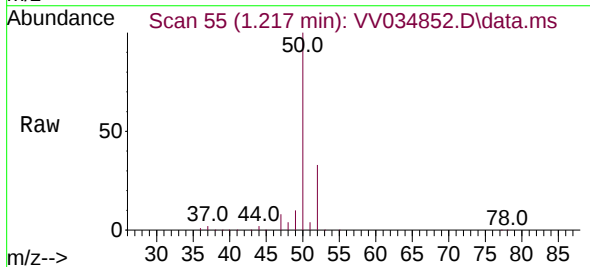
Instrument :
 MSVOA_V
 ClientSampleId :

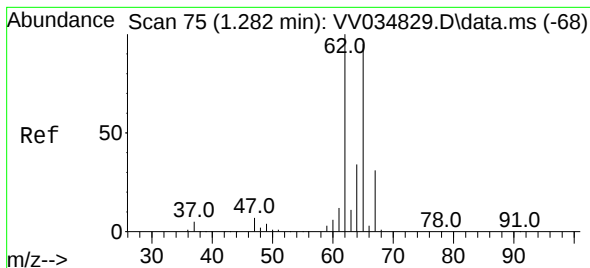
Tgt Ion: 85 Resp: 109501
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.7 38.5



#3
 Chloromethane
 Concen: 49.426 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV034852.D
 Acq: 27 Mar 2024 01:03

Tgt Ion: 50 Resp: 166471
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.0 42.8





#5

Vinyl chloride

Concen: 50.614 ug/L

RT: 1.285 min Scan# 75

Delta R.T. 0.003 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Instrument :

MSVOA_V

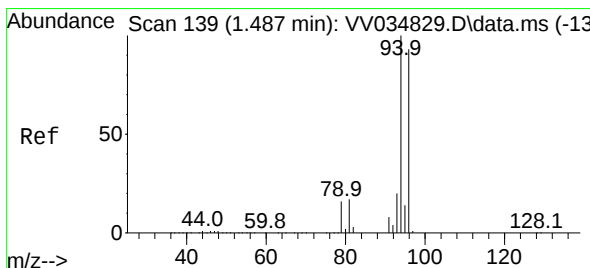
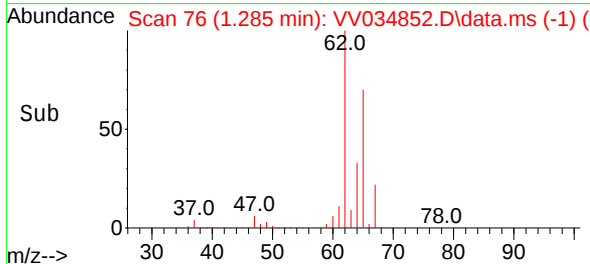
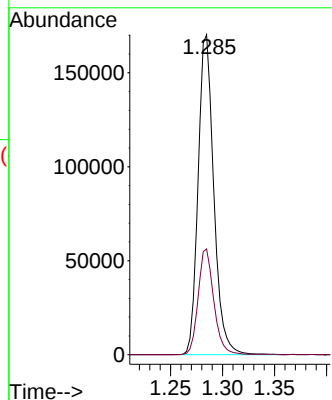
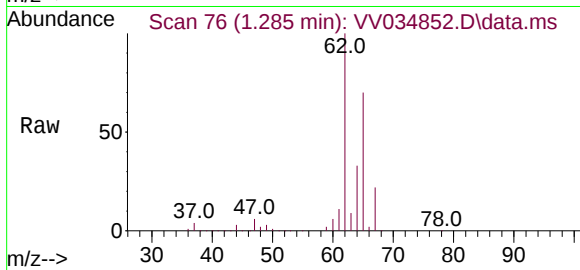
ClientSampleId :

Tgt Ion: 62 Resp: 178713

Ion Ratio Lower Upper

62 100

64 33.1 23.6 43.8



#6

Bromomethane

Concen: 54.160 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV034852.D

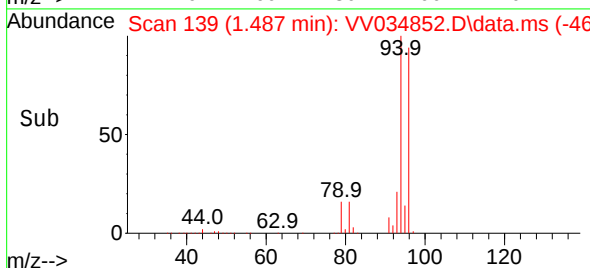
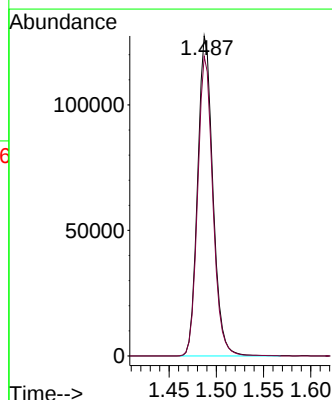
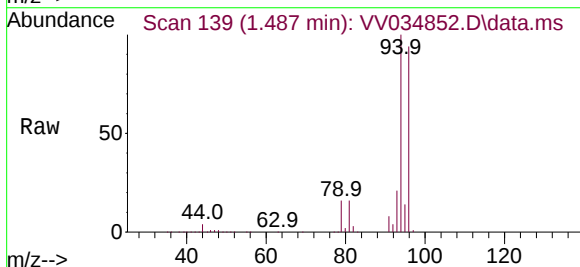
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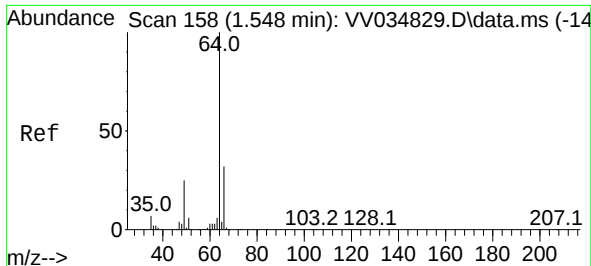
Tgt Ion: 94 Resp: 143348

Ion Ratio Lower Upper

94 100

96 93.6 66.3 123.1

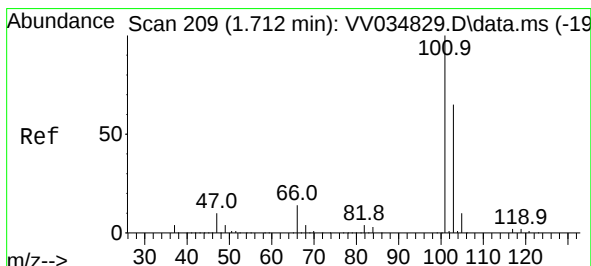
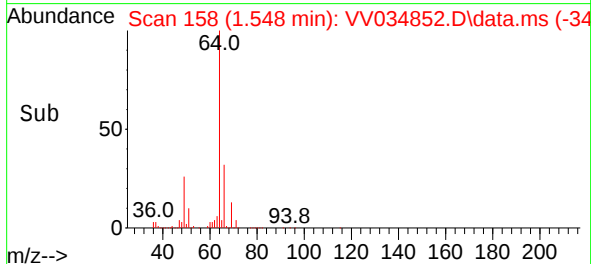
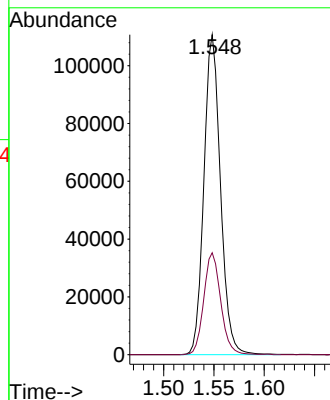
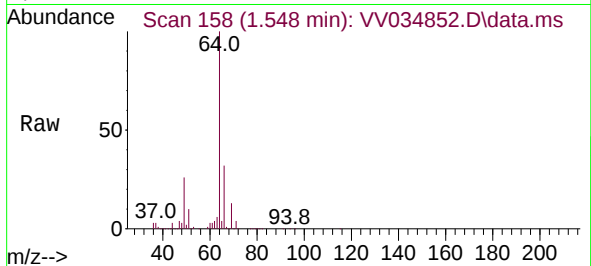




#8
Chloroethane
Concen: 52.656 ug/L
RT: 1.548 min Scan# 158
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

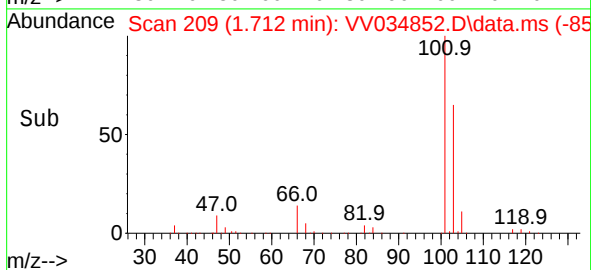
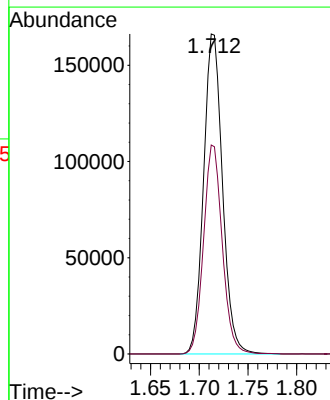
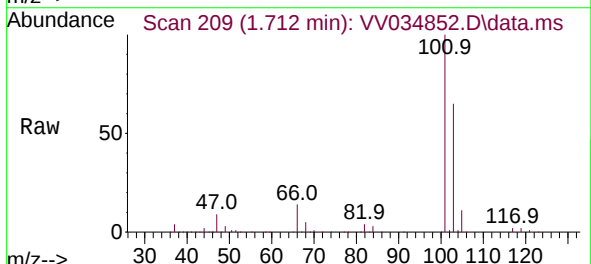
Instrument :
MSVOA_V
ClientSampleId :

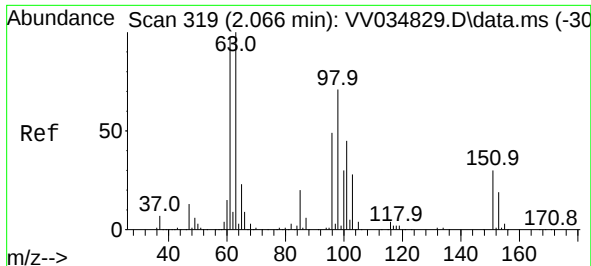
Tgt Ion: 64 Resp: 126980
Ion Ratio Lower Upper
64 100
66 31.9 23.2 43.2



#9
Trichlorofluoromethane
Concen: 48.391 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

Tgt Ion:101 Resp: 224259
Ion Ratio Lower Upper
101 100
103 64.4 51.6 77.4

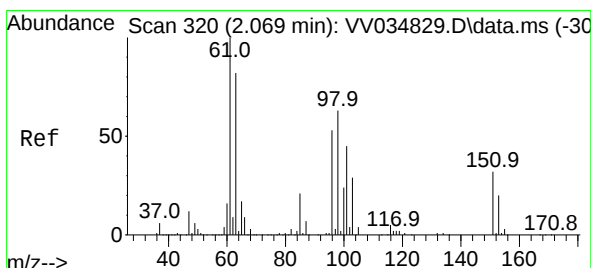
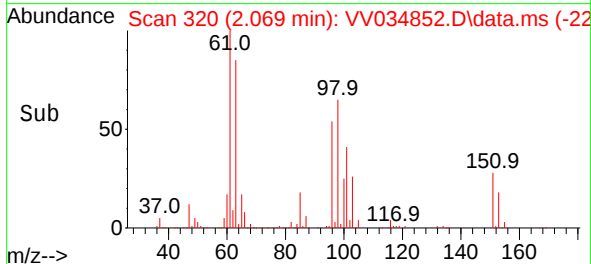
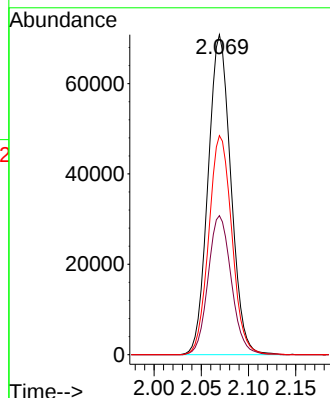
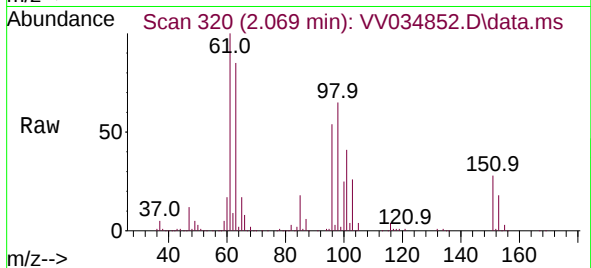




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 41.905 ug/L
RT: 2.069 min Scan# 319
Delta R.T. 0.003 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

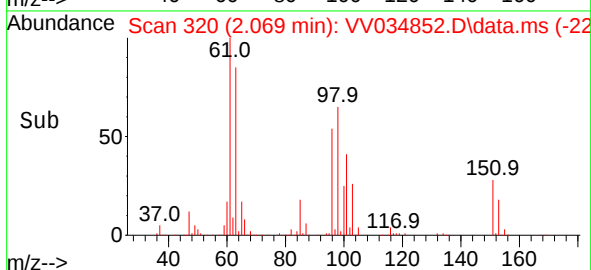
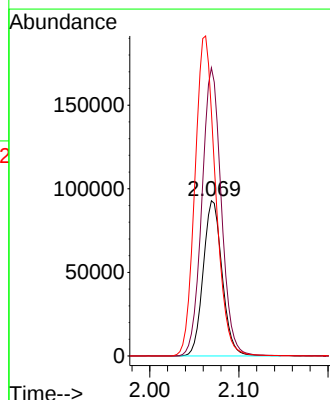
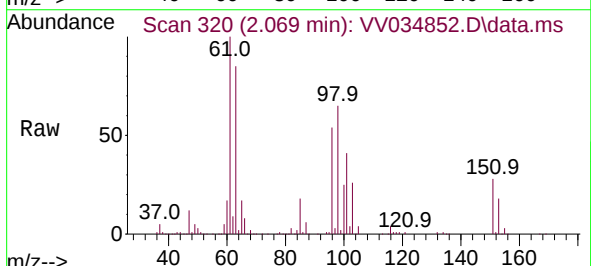
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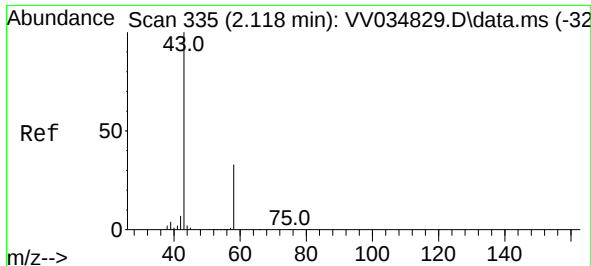
Tgt Ion:101 Resp: 118865
Ion Ratio Lower Upper
101 100
85 44.2 35.3 52.9
151 69.4 55.0 82.4



#12
1,1-Dichloroethene
Concen: 50.513 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

Tgt Ion: 96 Resp: 137036
Ion Ratio Lower Upper
96 100
61 185.6 131.5 244.3
63 157.2 111.4 206.8





#13

Acetone

Concen: 74.680 ug/L

RT: 2.117 min Scan# 34

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Instrument :

MSVOA_V

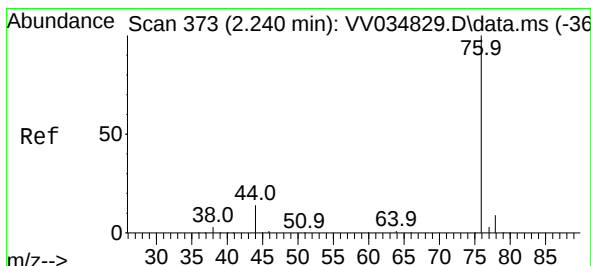
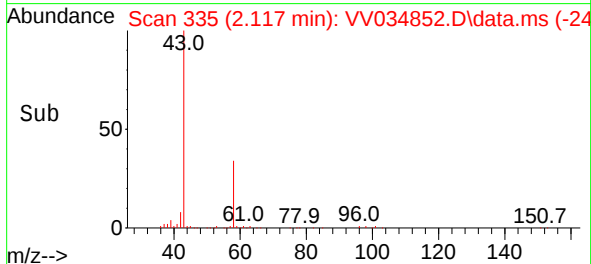
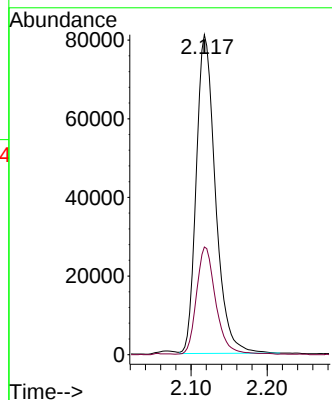
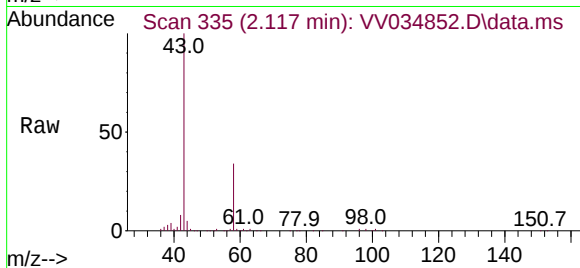
ClientSampleId :

Tgt Ion: 43 Resp: 141952

Ion Ratio Lower Upper

43 100

58 33.7 0.0 66.0



#14

Carbon disulfide

Concen: 49.392 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV034852.D

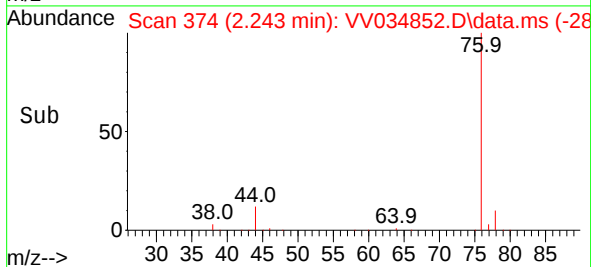
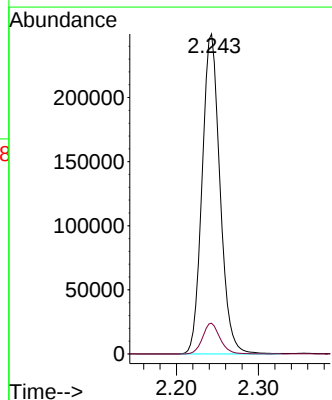
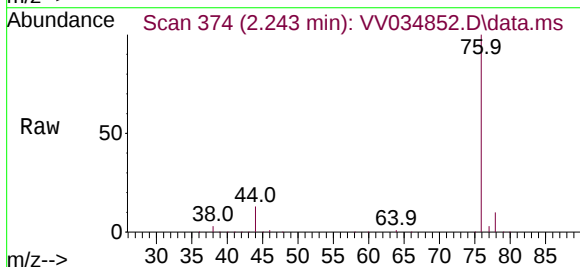
Acq: 27 Mar 2024 01:03

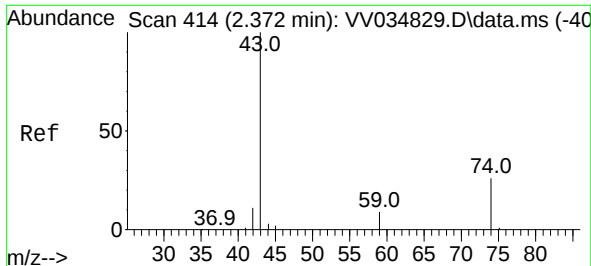
Tgt Ion: 76 Resp: 377342

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0





#15

Methyl Acetate

Concen: 49.990 ug/L

RT: 2.371 min Scan# 414

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Instrument :

MSVOA_V

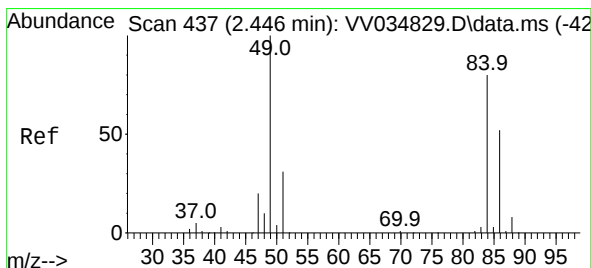
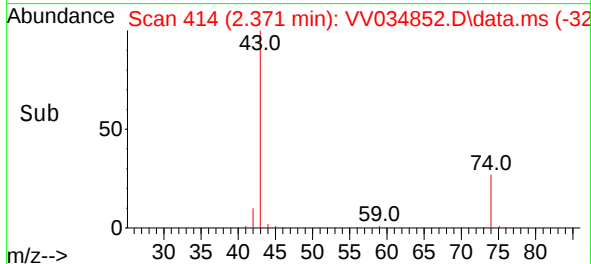
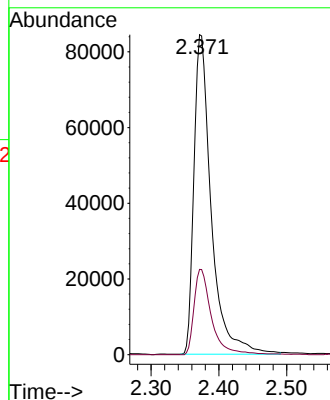
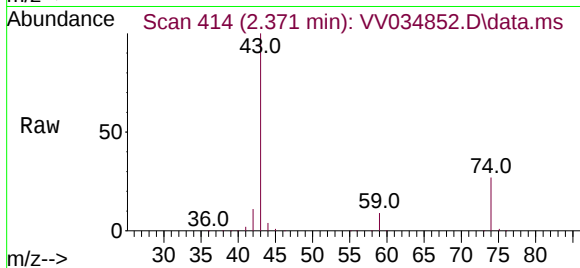
ClientSampleId :

Tgt Ion: 43 Resp: 149741

Ion Ratio Lower Upper

43 100

74 26.6 19.8 29.8



#16

Methylene chloride

Concen: 51.905 ug/L

RT: 2.445 min Scan# 437

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

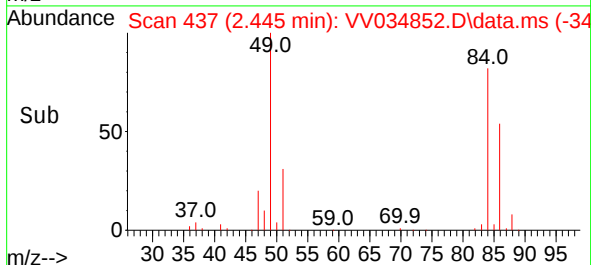
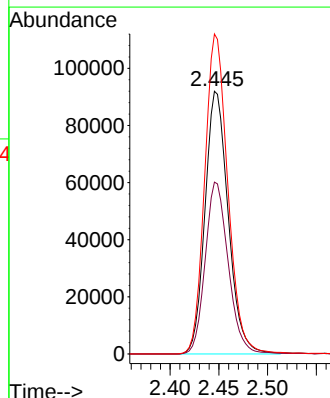
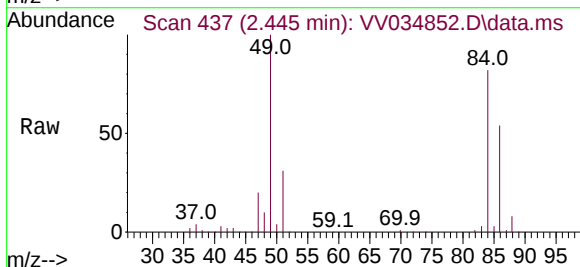
Tgt Ion: 84 Resp: 152577

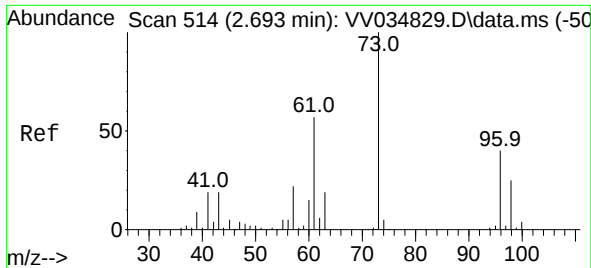
Ion Ratio Lower Upper

84 100

86 65.4 44.6 82.8

49 121.8 86.9 161.3

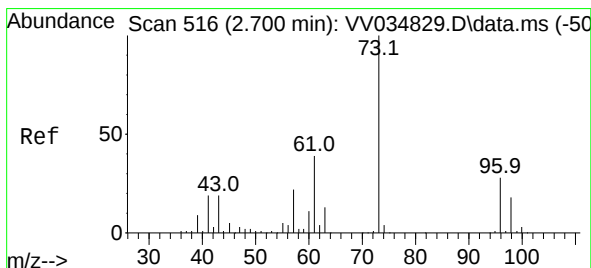
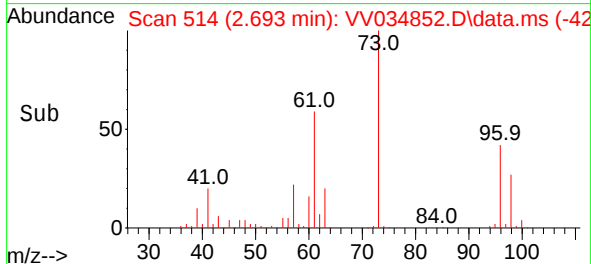
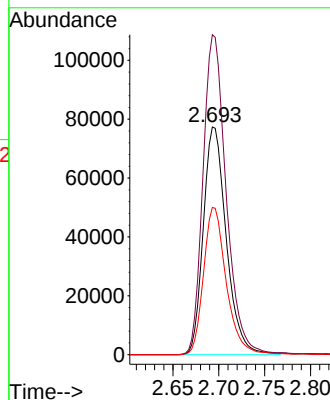
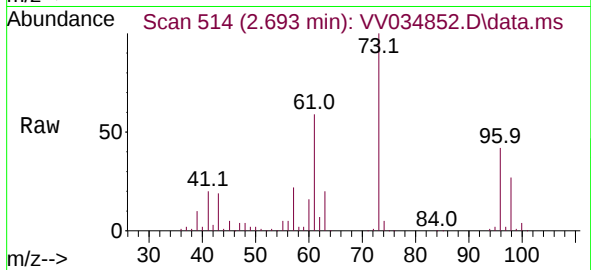




#17
trans-1,2-Dichloroethene
Concen: 51.475 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

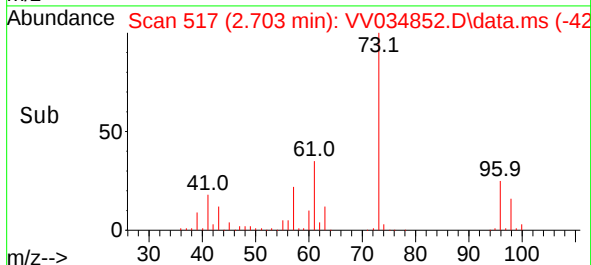
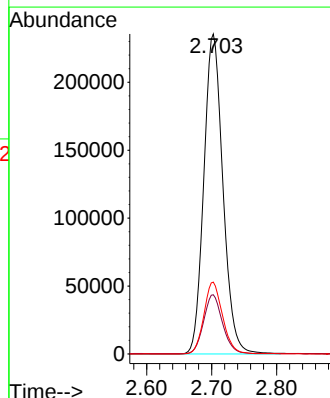
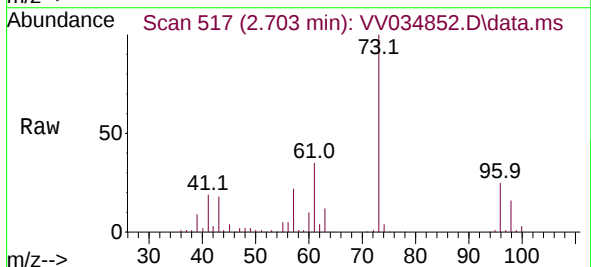
Instrument :
MSVOA_V
ClientSampleId :

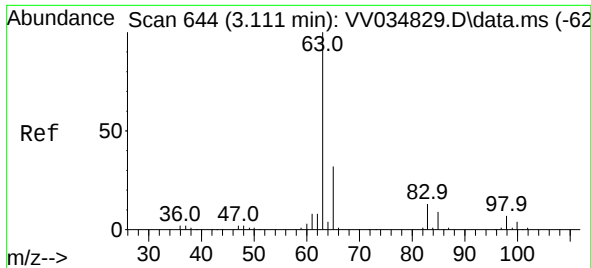
Tgt Ion: 96 Resp: 135013
Ion Ratio Lower Upper
96 100
61 140.5 99.0 183.8
98 64.7 44.3 82.3



#18
Methyl tert-butyl Ether
Concen: 52.369 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

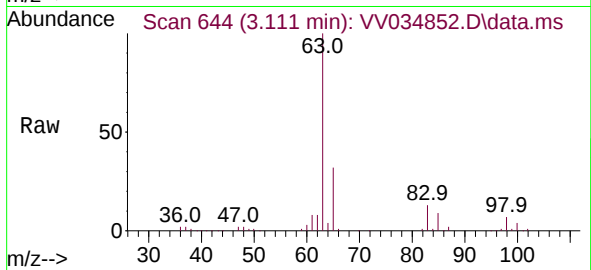
Tgt Ion: 73 Resp: 482453
Ion Ratio Lower Upper
73 100
43 18.1 14.6 21.8
57 22.0 17.6 26.4



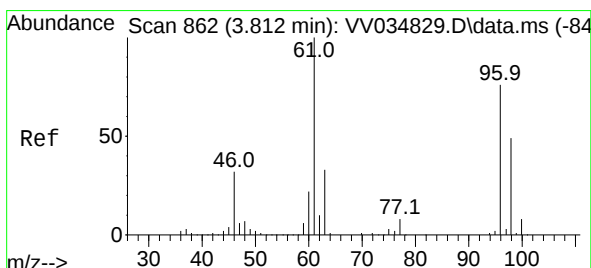
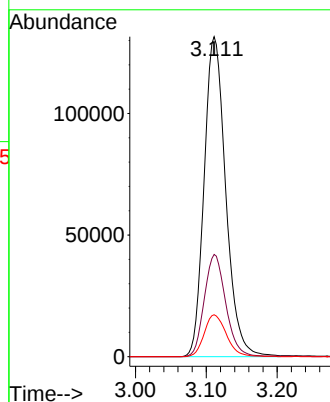
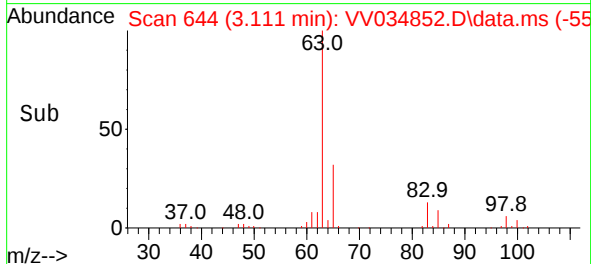


#19
1,1-Dichloroethane
Concen: 51.867 ug/L
RT: 3.111 min Scan# 644
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

Instrument :
MSVOA_V
ClientSampleId :

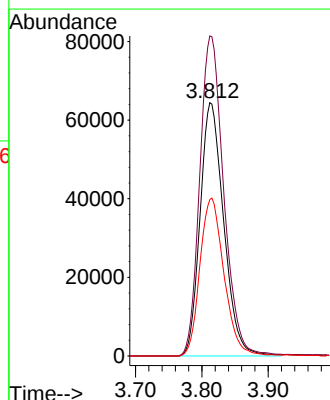
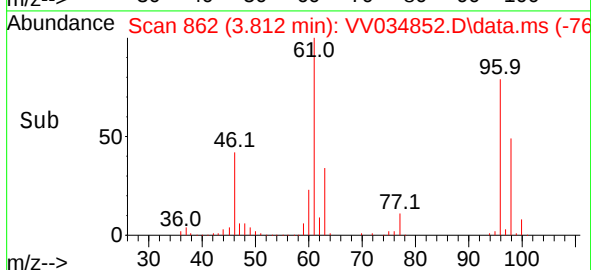
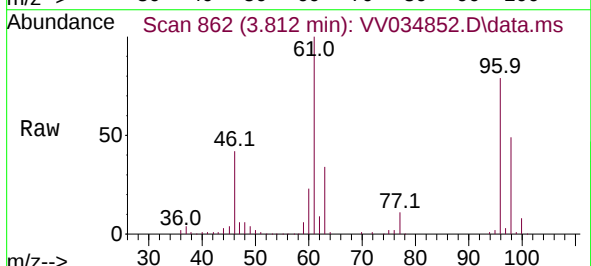


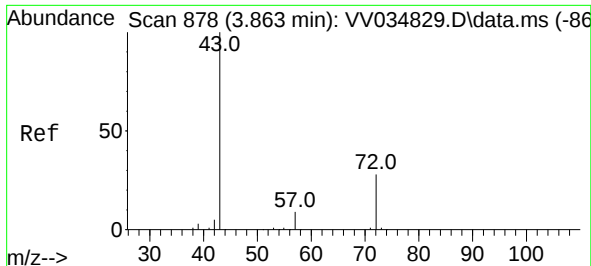
Tgt Ion: 63 Resp: 278978
Ion Ratio Lower Upper
63 100
65 31.9 23.0 42.6
83 13.1 9.1 16.9



#20
cis-1,2-Dichloroethene
Concen: 53.588 ug/L
RT: 3.812 min Scan# 862
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

Tgt Ion: 96 Resp: 159605
Ion Ratio Lower Upper
96 100
61 126.4 94.9 176.3
98 61.7 45.6 84.8

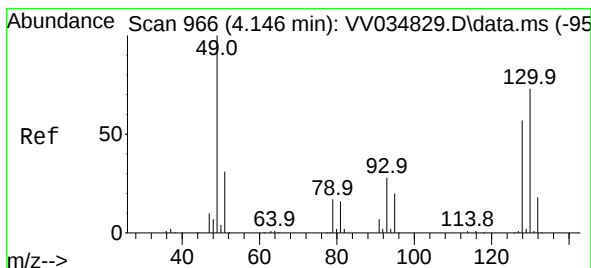
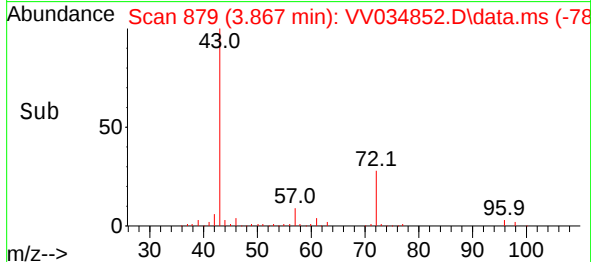
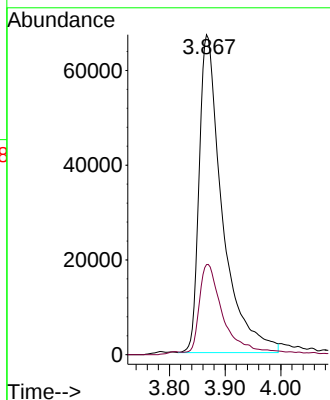
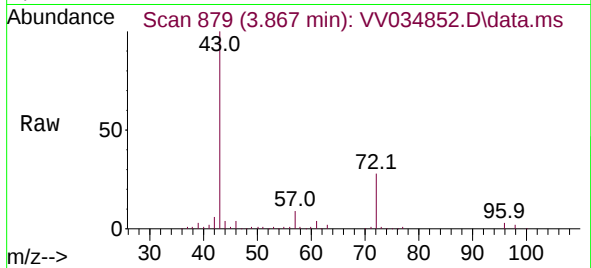




#22
2-Butanone
Concen: 87.921 ug/L
RT: 3.867 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

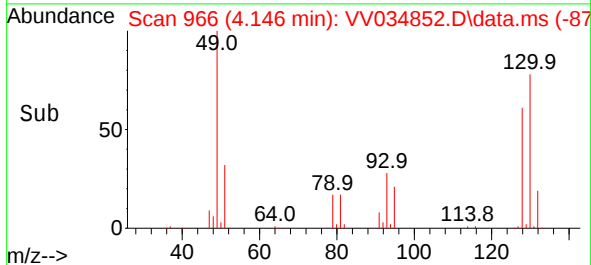
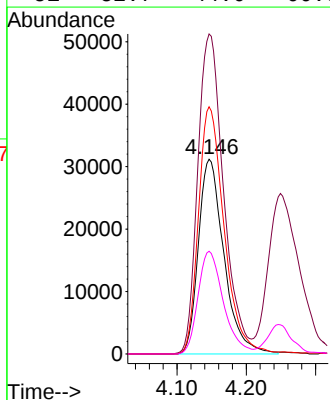
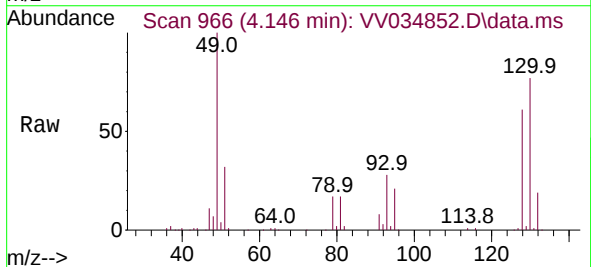
Instrument :
MSVOA_V
ClientSampleId :

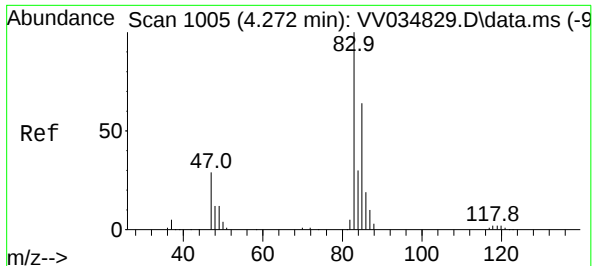
Tgt Ion: 43 Resp: 193926
Ion Ratio Lower Upper
43 100
72 27.0 13.2 39.6



#23
Bromochloromethane
Concen: 53.696 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

Tgt Ion:128 Resp: 80016
Ion Ratio Lower Upper
128 100
49 164.3 123.8 229.8
130 126.9 93.2 173.0
51 52.7 44.0 66.0





#25

Chloroform

Concen: 52.646 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Instrument :

MSVOA_V

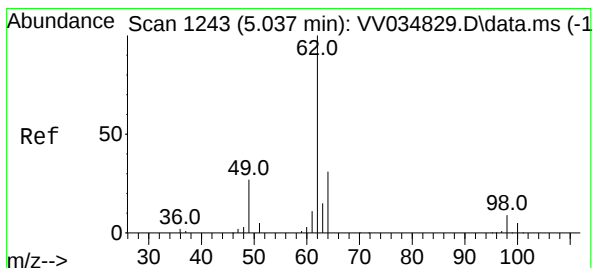
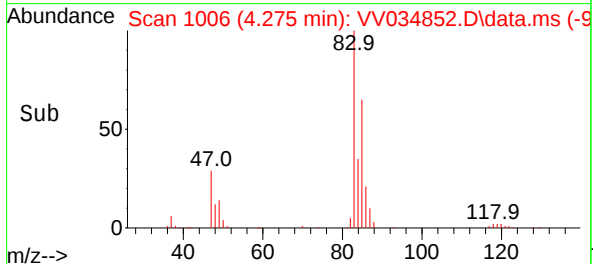
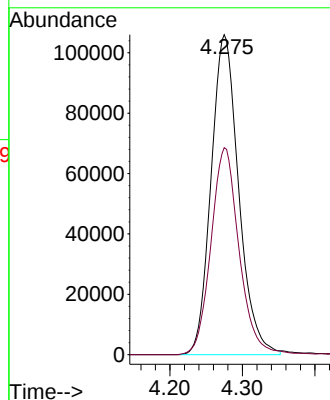
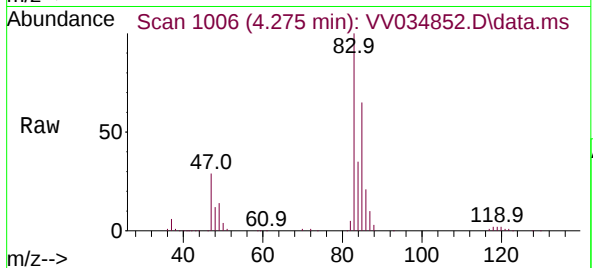
ClientSampleId :

Tgt Ion: 83 Resp: 279959

Ion Ratio Lower Upper

83 100

85 64.7 46.0 85.4



#27

1,2-Dichloroethane

Concen: 53.844 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV034852.D

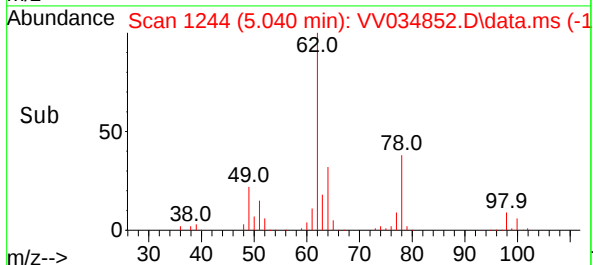
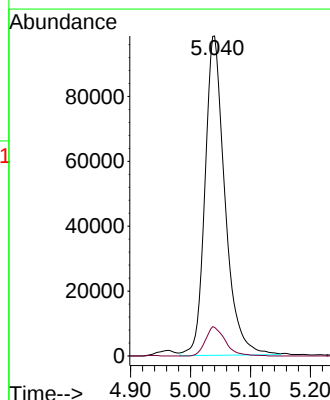
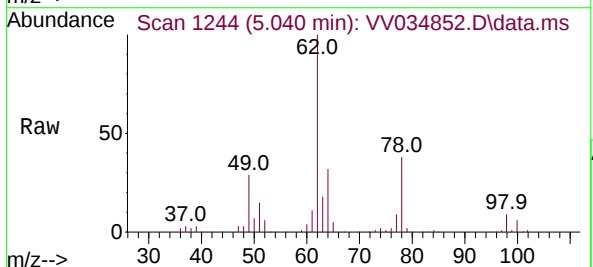
Acq: 27 Mar 2024 01:03

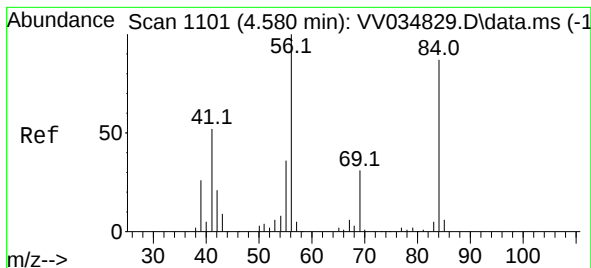
Tgt Ion: 62 Resp: 227974

Ion Ratio Lower Upper

62 100

98 9.0 7.2 10.8





#29

Cyclohexane

Concen: 42.237 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Instrument :

MSVOA_V

ClientSampleId :

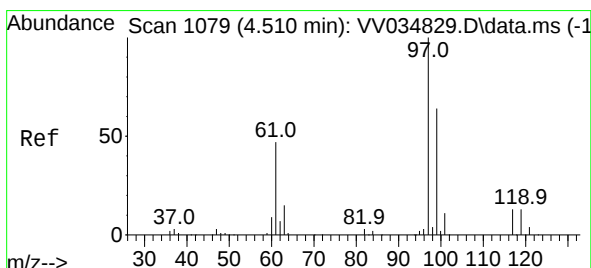
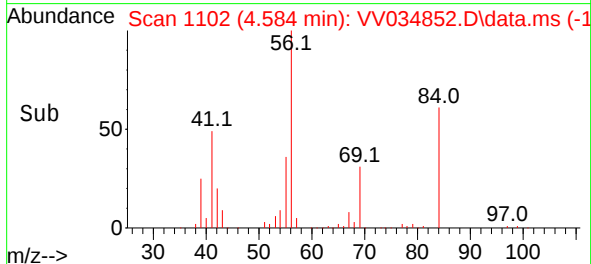
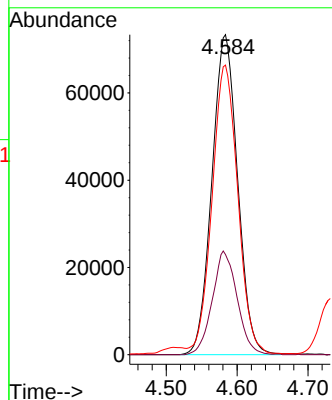
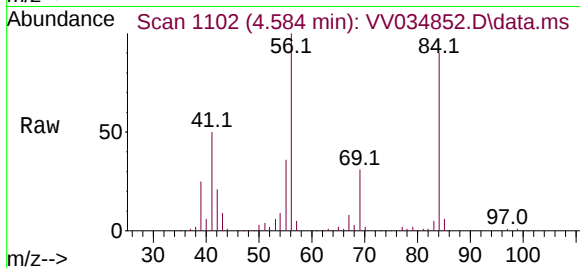
Tgt Ion: 56 Resp: 184932

Ion Ratio Lower Upper

56 100

69 31.2 24.2 36.2

84 89.9 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 51.301 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

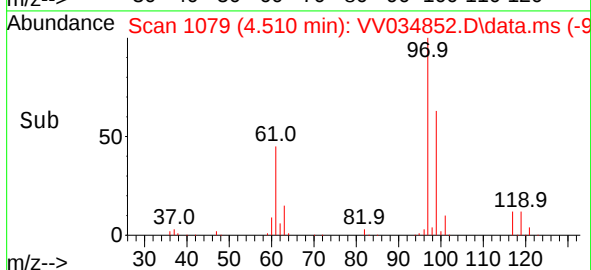
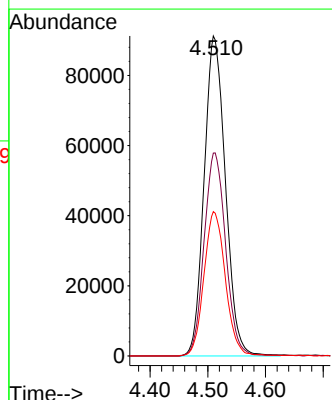
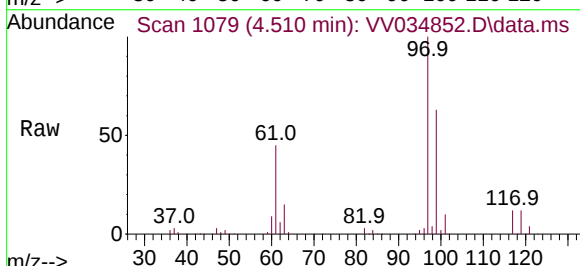
Tgt Ion: 97 Resp: 233768

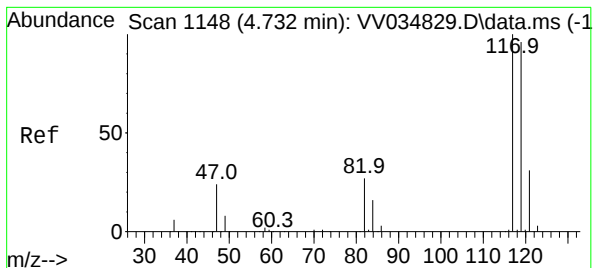
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

61 45.2 36.8 55.2





#31

Carbon tetrachloride

Concen: 50.394 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. 0.003 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Instrument :

MSVOA_V

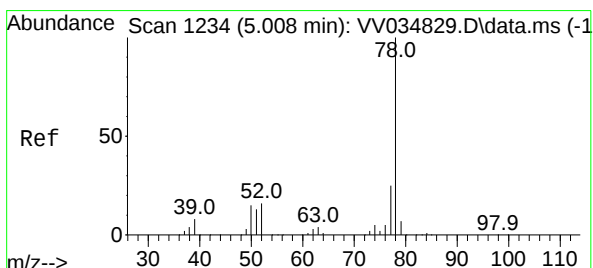
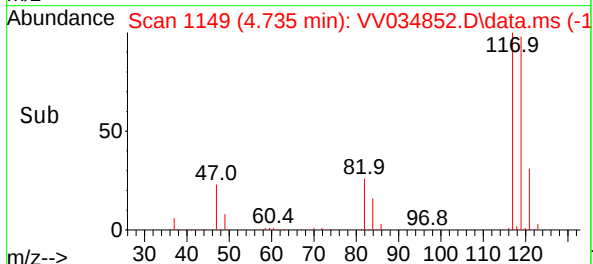
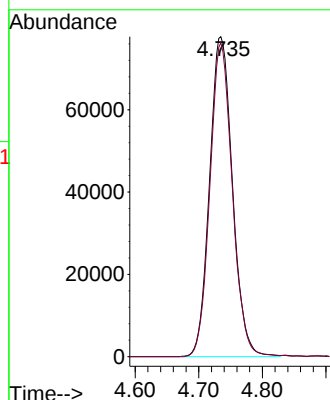
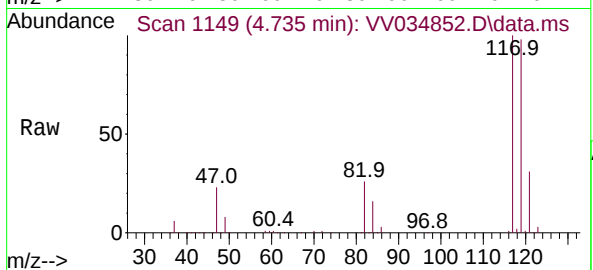
ClientSampleId :

Tgt Ion:117 Resp: 194635

Ion Ratio Lower Upper

117 100

119 95.5 77.1 115.7



#33

Benzene

Concen: 52.061 ug/L

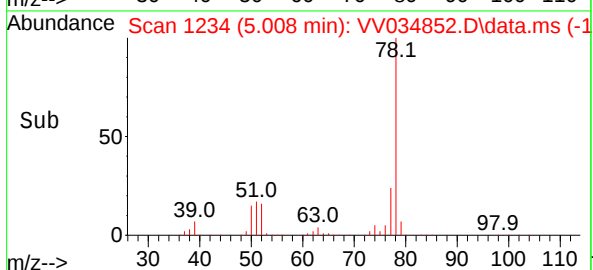
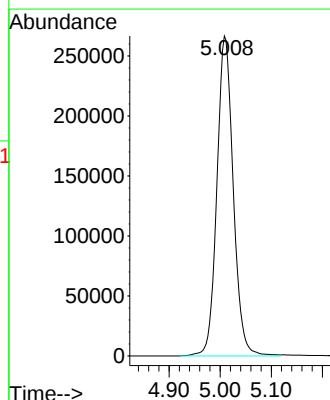
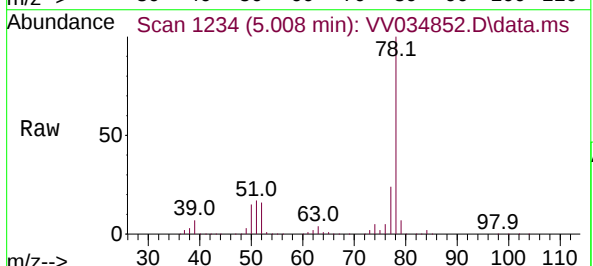
RT: 5.008 min Scan# 1234

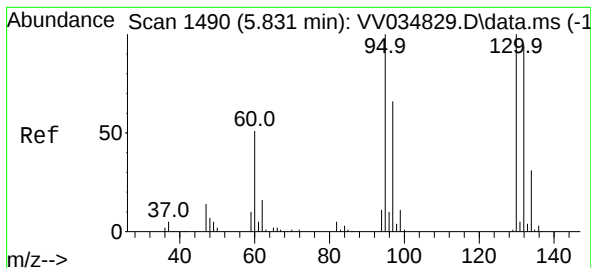
Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Tgt Ion: 78 Resp: 593471





#34

Trichloroethene

Concen: 51.178 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 157446

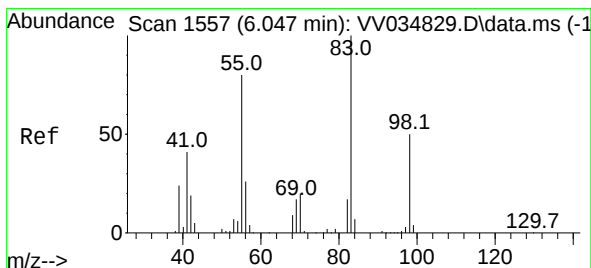
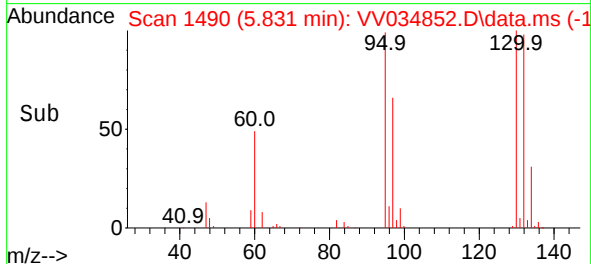
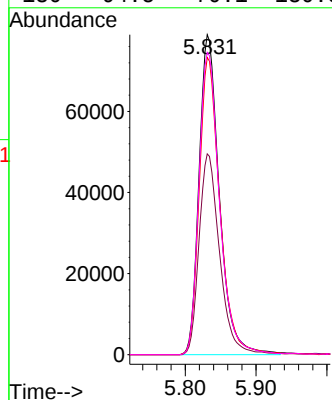
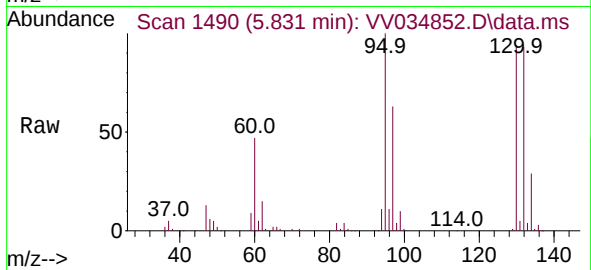
Ion Ratio Lower Upper

95 100

97 62.8 45.3 84.1

132 92.8 65.3 121.3

130 94.5 70.1 130.3



#35

Methylcyclohexane

Concen: 39.360 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

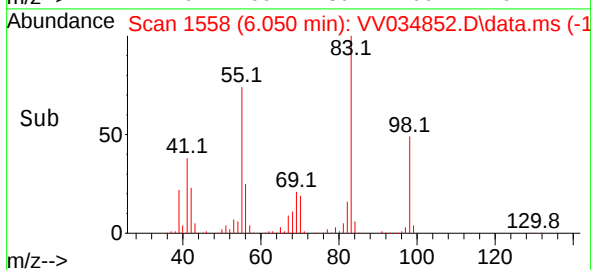
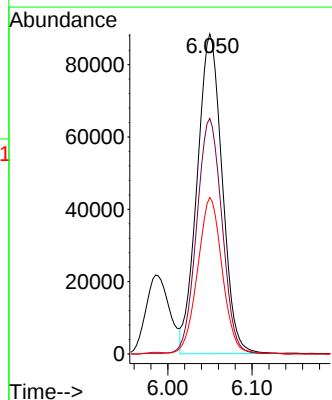
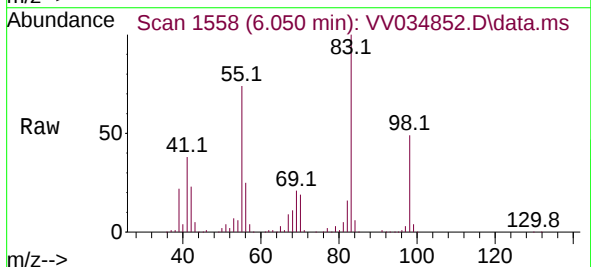
Tgt Ion: 83 Resp: 182875

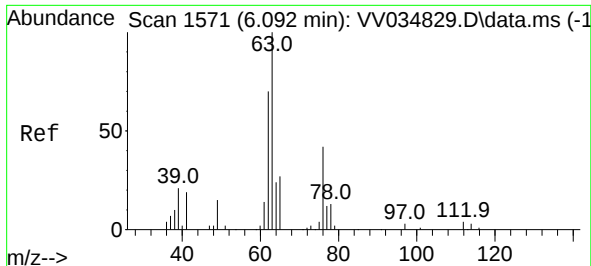
Ion Ratio Lower Upper

83 100

55 74.3 60.0 90.0

98 48.3 37.6 56.4

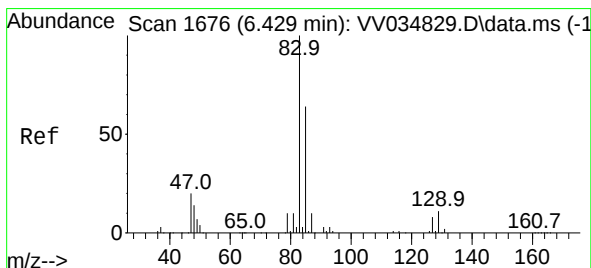
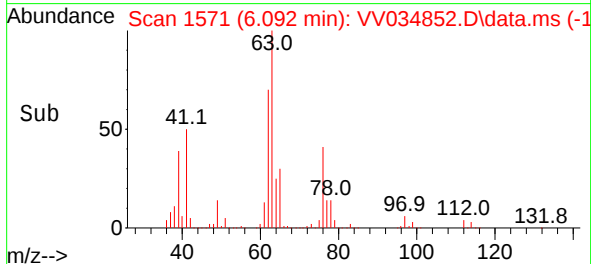
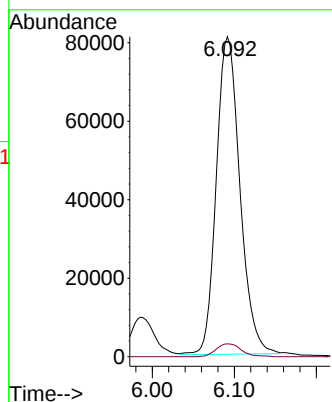
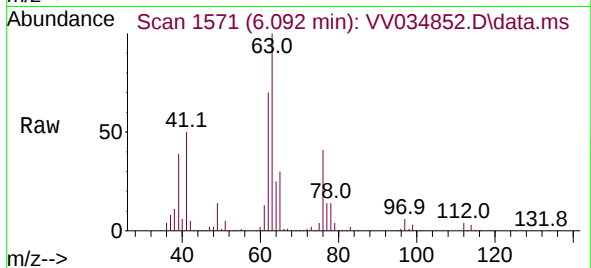




#37
1,2-Dichloropropane
Concen: 51.465 ug/L
RT: 6.092 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

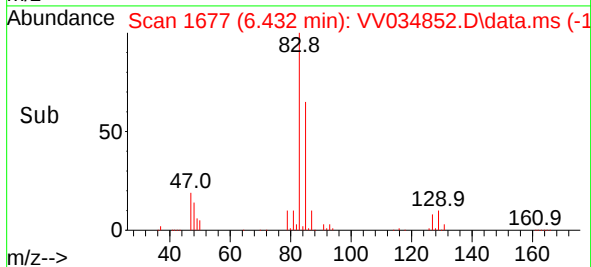
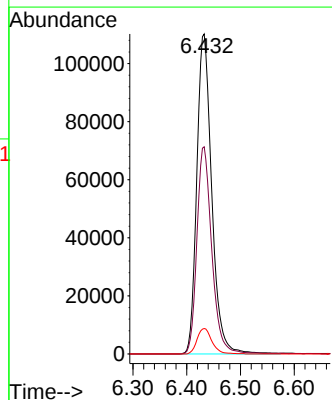
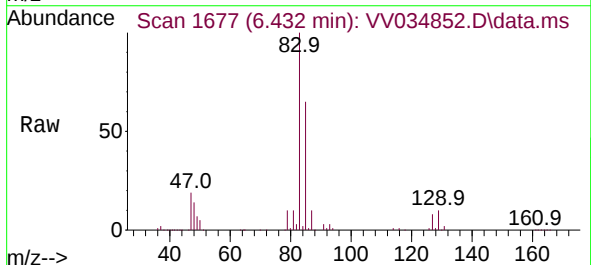
Instrument :
MSVOA_V
ClientSampleId :

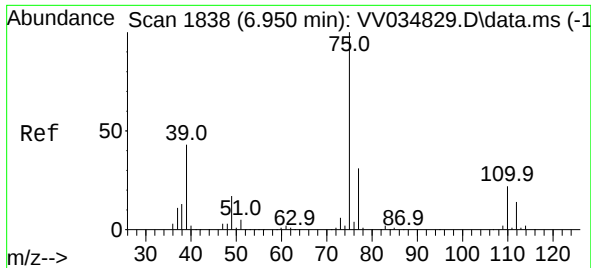
Tgt Ion: 63 Resp: 162128
Ion Ratio Lower Upper
63 100
112 4.3 3.3 4.9



#38
Bromodichloromethane
Concen: 52.407 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. 0.003 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

Tgt Ion: 83 Resp: 213016
Ion Ratio Lower Upper
83 100
85 64.7 43.7 81.1
127 8.0 6.4 9.6

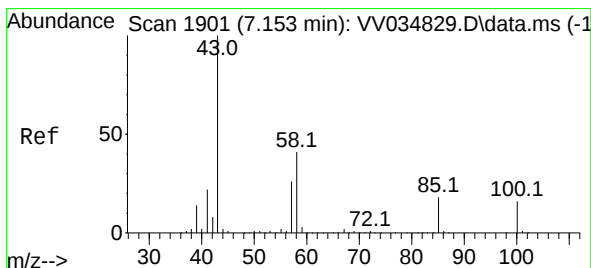
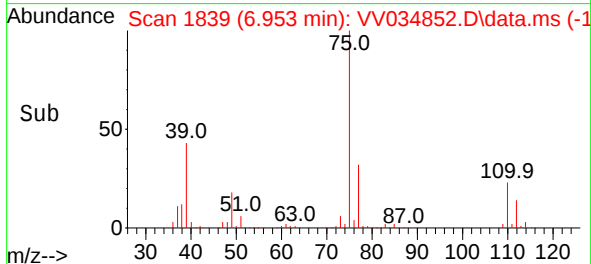
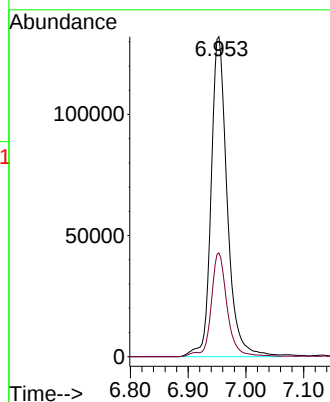
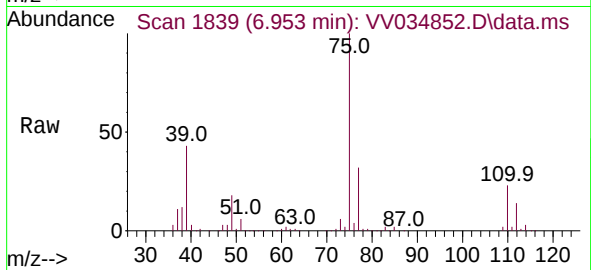




#39
 cis-1,3-Dichloropropene
 Concen: 51.669 ug/L
 RT: 6.953 min Scan# 1839
 Delta R.T. 0.003 min
 Lab File: VV034852.D
 Acq: 27 Mar 2024 01:03

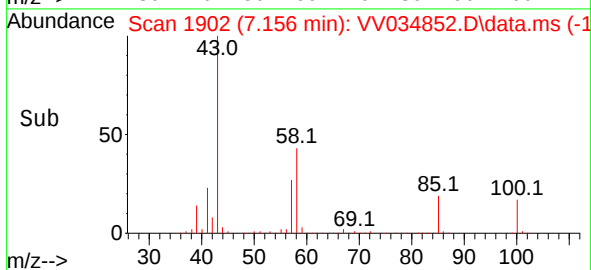
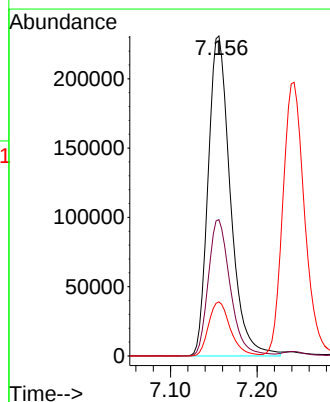
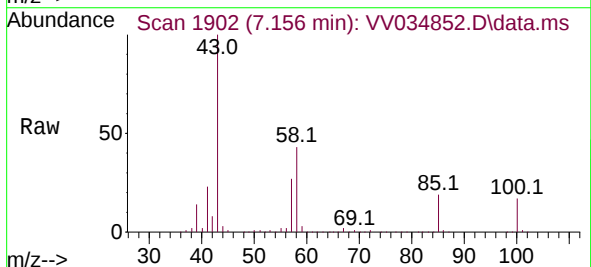
Instrument :
 MSVOA_V
 ClientSampleId :

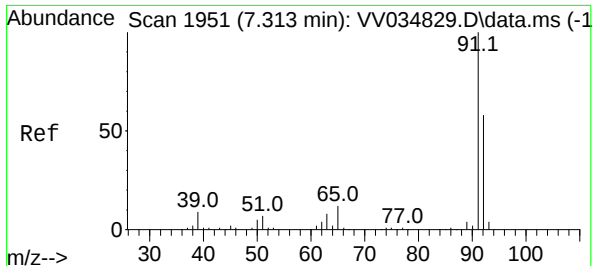
Tgt Ion: 75 Resp: 256416
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 102.431 ug/L
 RT: 7.156 min Scan# 1902
 Delta R.T. 0.003 min
 Lab File: VV034852.D
 Acq: 27 Mar 2024 01:03

Tgt Ion: 43 Resp: 411994
 Ion Ratio Lower Upper
 43 100
 58 42.2 33.8 50.8
 100 16.5 13.0 19.4





#42

Toluene

Concen: 52.857 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Instrument :

MSVOA_V

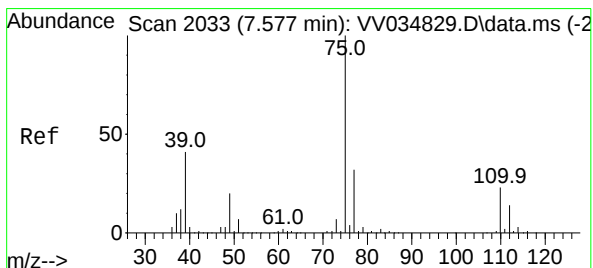
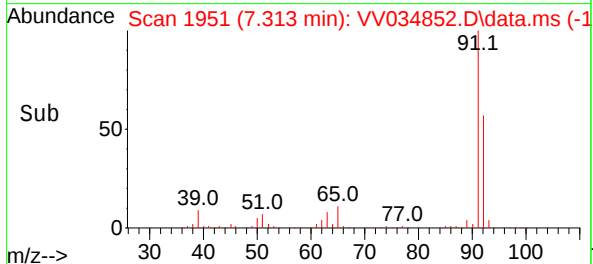
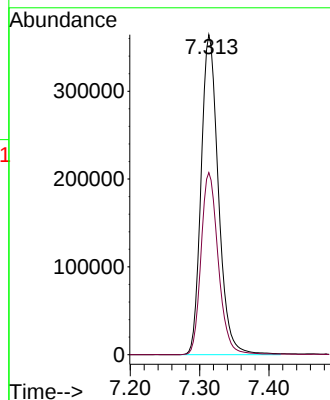
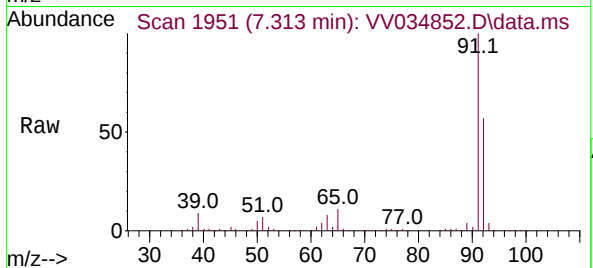
ClientSampleId :

Tgt Ion: 91 Resp: 630815

Ion Ratio Lower Upper

91 100

92 56.9 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 52.808 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV034852.D

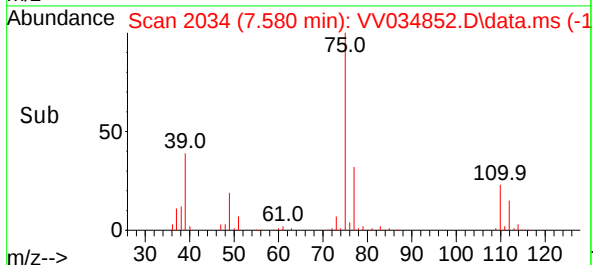
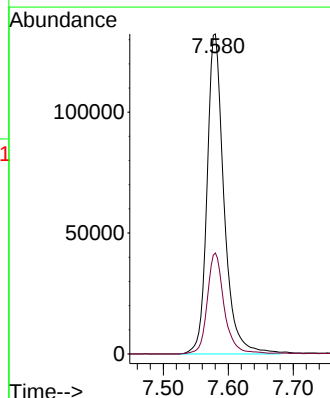
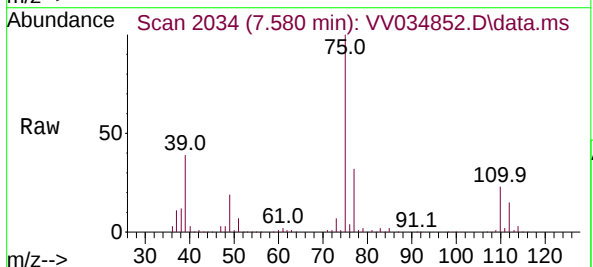
Acq: 27 Mar 2024 01:03

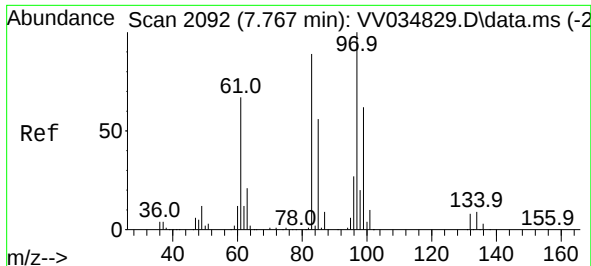
Tgt Ion: 75 Resp: 240768

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 52.899 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 157070

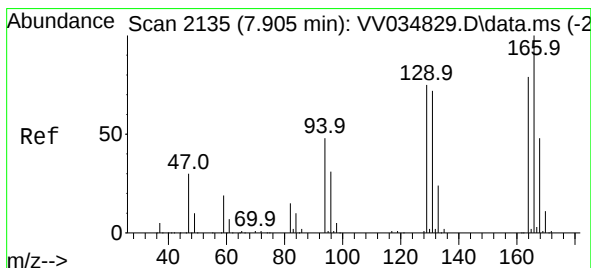
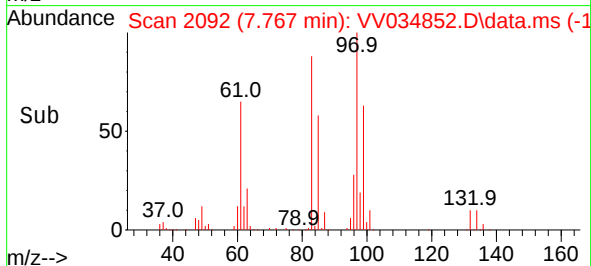
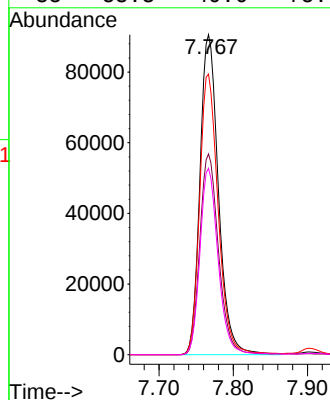
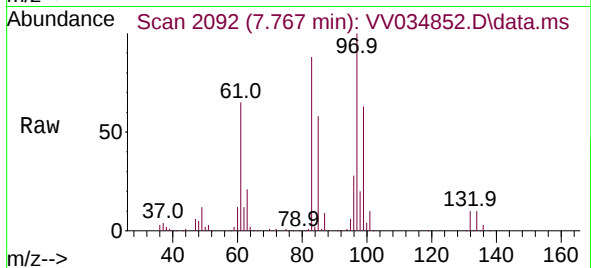
Ion Ratio Lower Upper

97 100

99 62.8 43.3 80.3

83 87.7 61.6 114.4

85 58.3 40.6 75.4



#46

Tetrachloroethene

Concen: 49.577 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Tgt Ion: 164 Resp: 106557

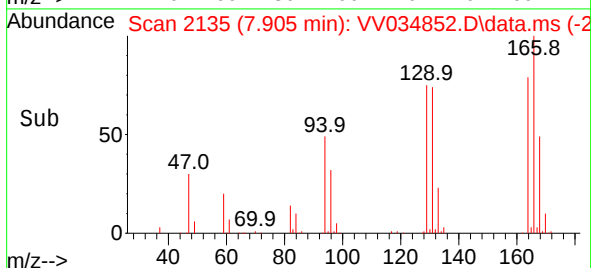
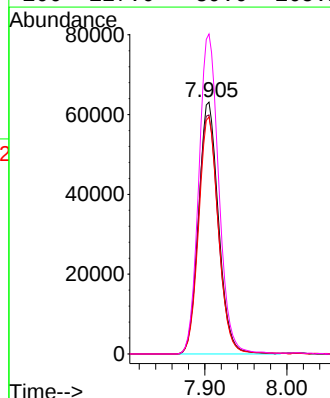
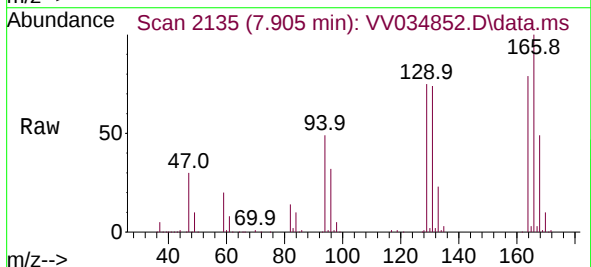
Ion Ratio Lower Upper

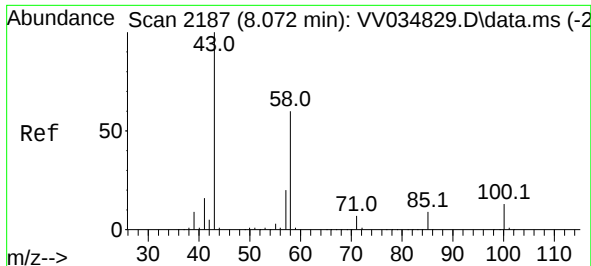
164 100

129 94.9 68.6 127.4

131 94.1 65.7 122.1

166 127.0 89.0 165.2



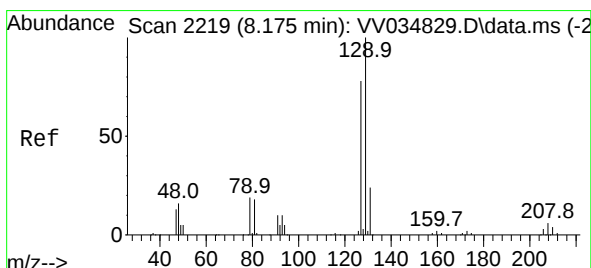
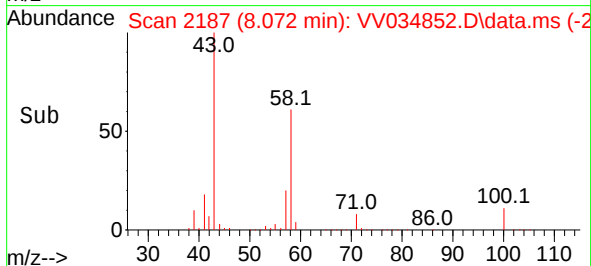
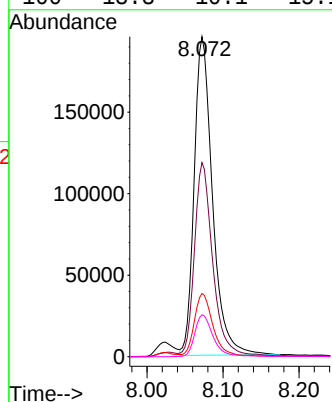
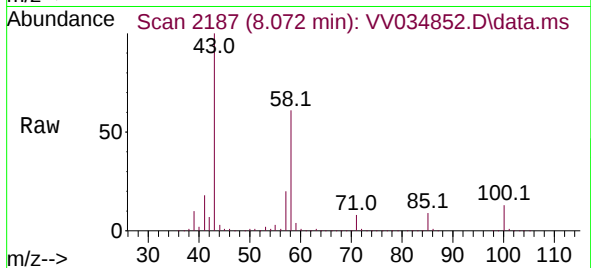


#48
2-Hexanone
Concen: 95.896 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 328047

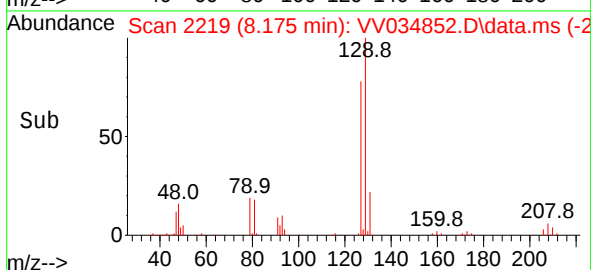
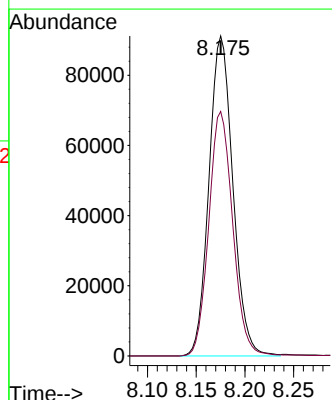
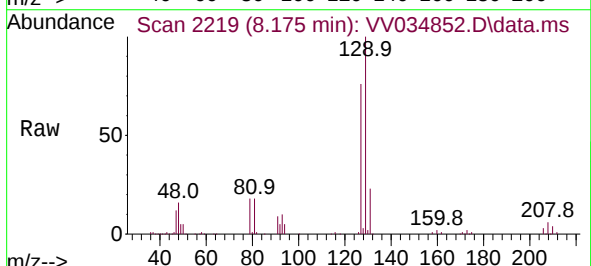
Ion	Ratio	Lower	Upper
43	100		
58	58.9	45.4	68.2
57	19.9	16.2	24.4
100	13.3	10.1	15.1

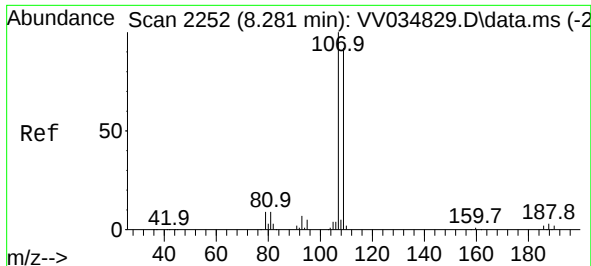


#49
Dibromochloromethane
Concen: 53.016 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

Tgt Ion: 129 Resp: 155912

Ion	Ratio	Lower	Upper
129	100		
127	76.4	54.1	100.5

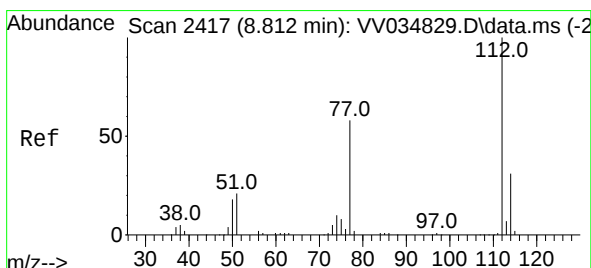
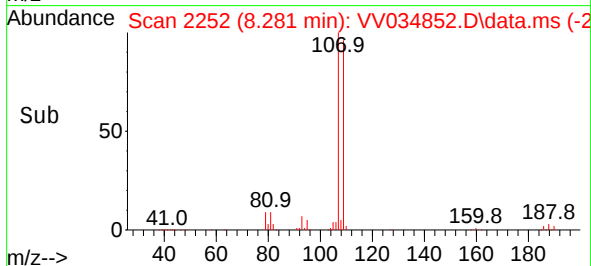
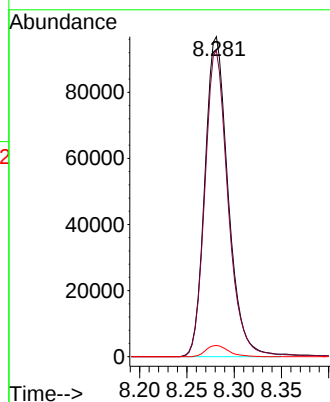
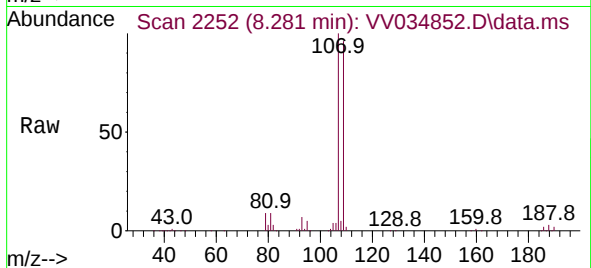




#50
1,2-Dibromoethane
Concen: 51.963 ug/L
RT: 8.281 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

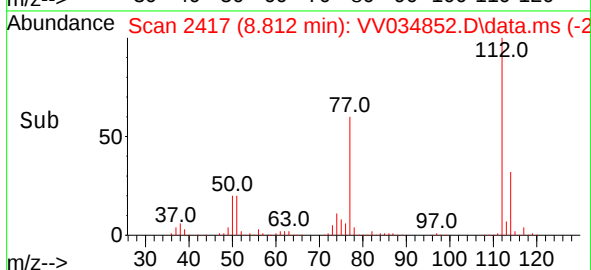
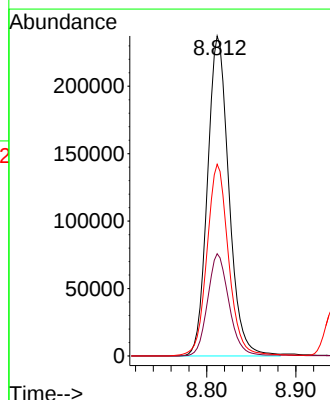
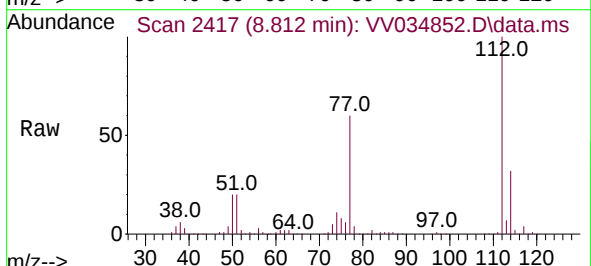
Instrument :
MSVOA_V
ClientSampleId :

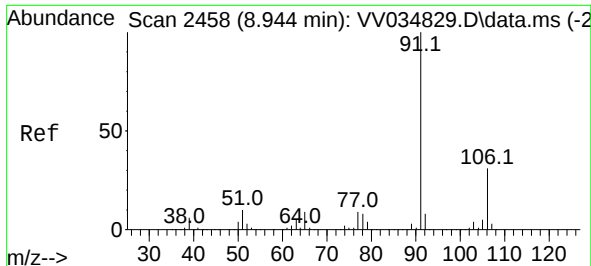
Tgt Ion:107 Resp: 166112
Ion Ratio Lower Upper
107 100
109 95.6 64.5 119.9
188 3.5 2.8 4.2



#51
Chlorobenzene
Concen: 51.213 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

Tgt Ion:112 Resp: 396134
Ion Ratio Lower Upper
112 100
114 32.0 22.0 41.0
77 59.9 47.4 71.2





#52

Ethylbenzene

Concen: 51.810 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Instrument :

MSVOA_V

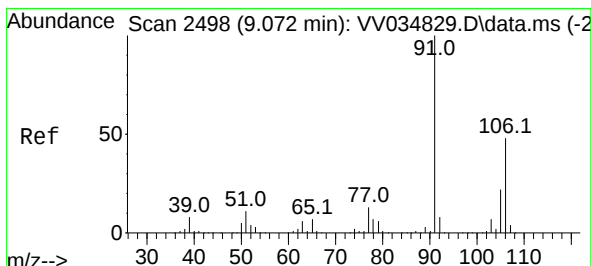
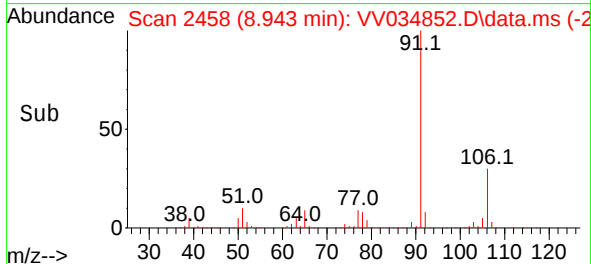
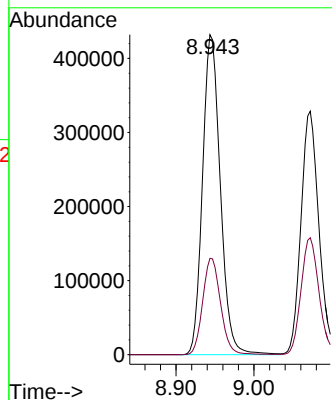
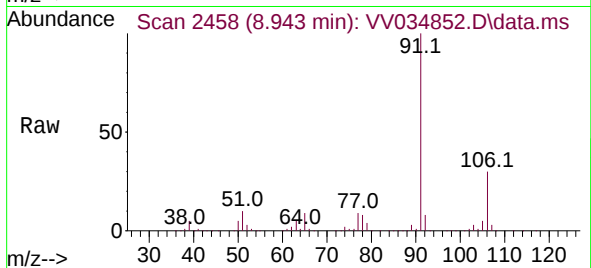
ClientSampleId :

Tgt Ion: 91 Resp: 685286

Ion Ratio Lower Upper

91 100

106 30.1 21.3 39.5



#53

m,p-Xylene

Concen: 52.151 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. -0.000 min

Lab File: VV034852.D

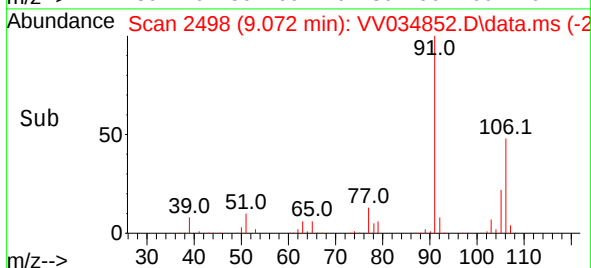
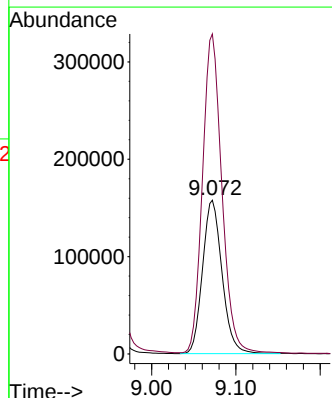
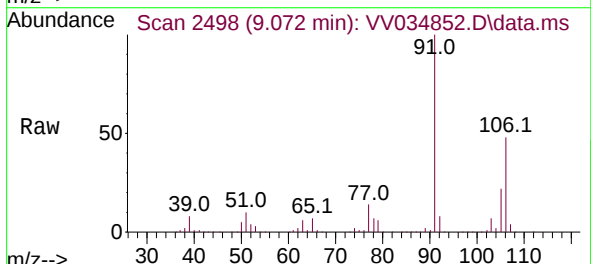
Acq: 27 Mar 2024 01:03

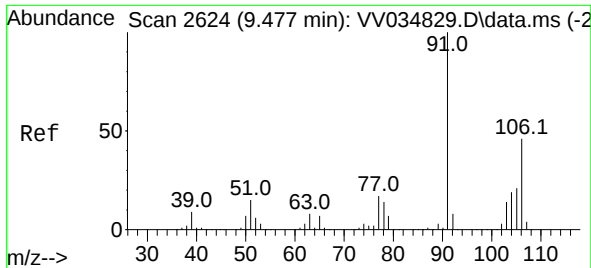
Tgt Ion:106 Resp: 254025

Ion Ratio Lower Upper

106 100

91 208.2 144.8 269.0

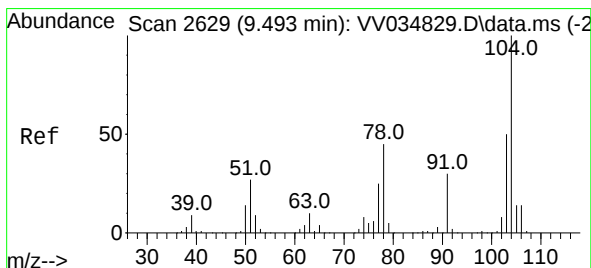
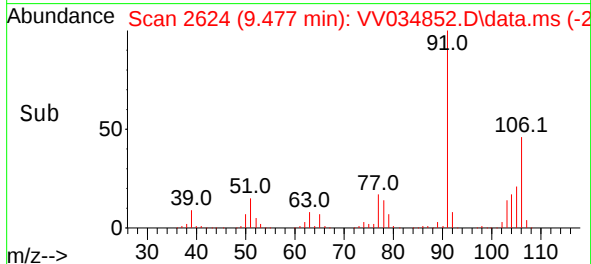
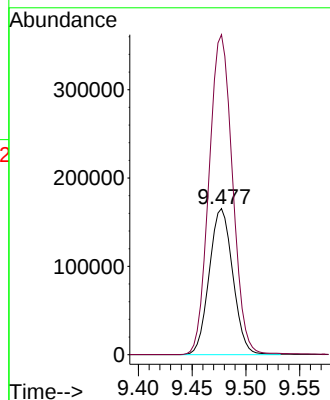
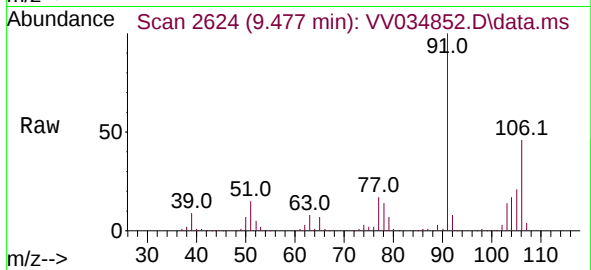




#54
o-Xylene
Concen: 52.298 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

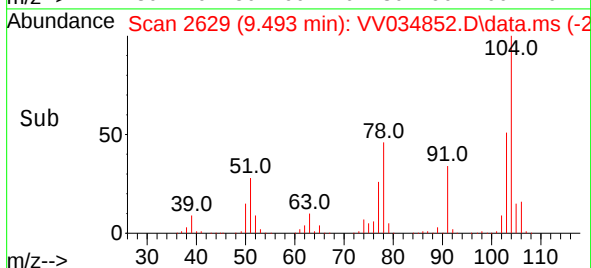
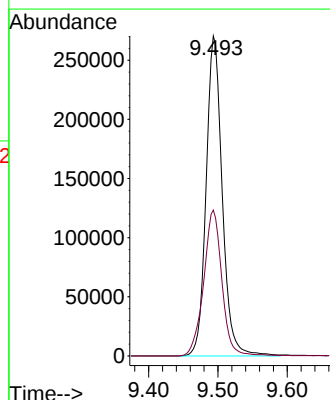
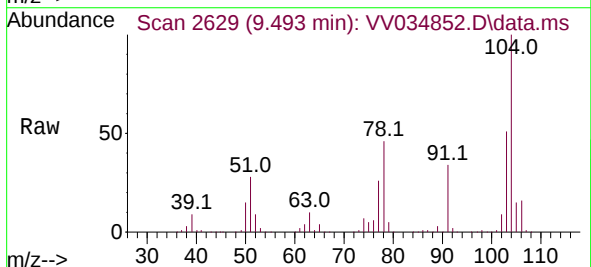
Instrument :
MSVOA_V
ClientSampleId :

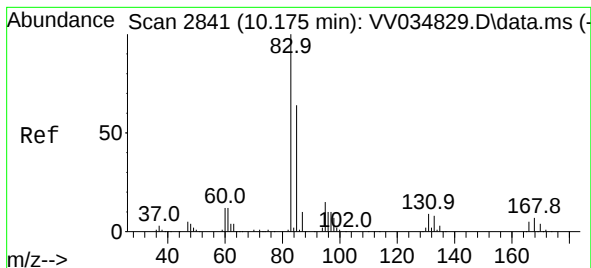
Tgt Ion:106 Resp: 252050
Ion Ratio Lower Upper
106 100
91 219.2 151.3 280.9



#55
Styrene
Concen: 53.652 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

Tgt Ion:104 Resp: 436970
Ion Ratio Lower Upper
104 100
78 45.6 31.5 58.5





#57

1,1,2,2-Tetrachloroethane

Concen: 52.612 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Instrument :

MSVOA_V

ClientSampleId :

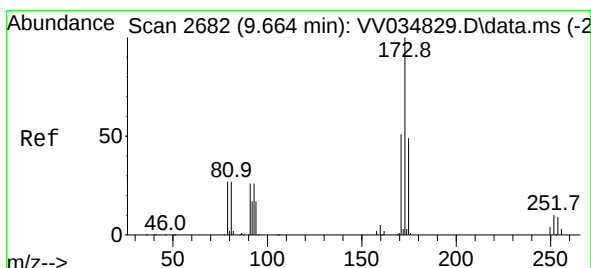
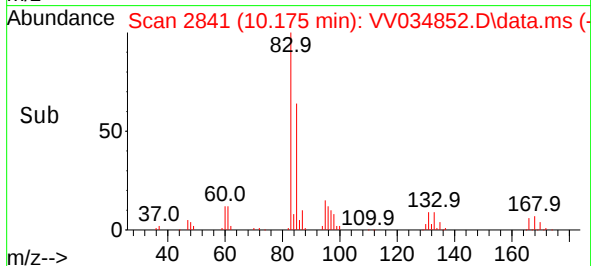
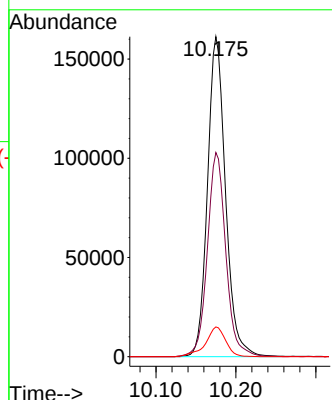
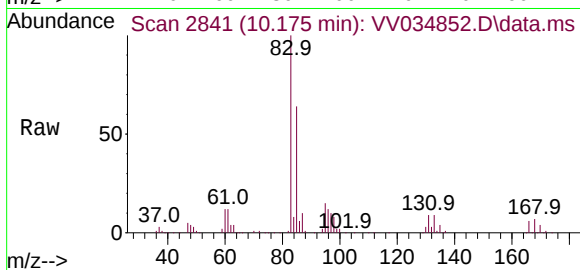
Tgt Ion: 83 Resp: 253110

Ion Ratio Lower Upper

83 100

85 63.8 44.5 82.7

131 9.3 6.9 10.3



#59

Bromoform

Concen: 53.257 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

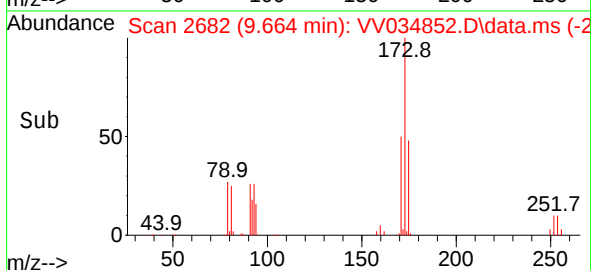
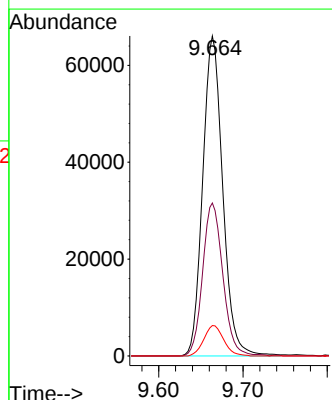
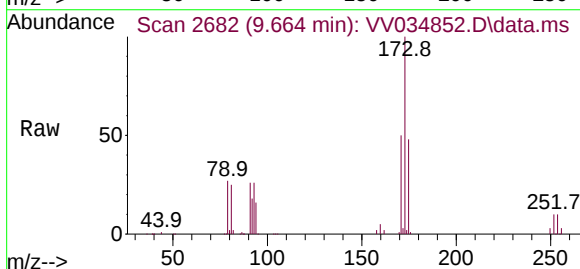
Tgt Ion: 173 Resp: 109435

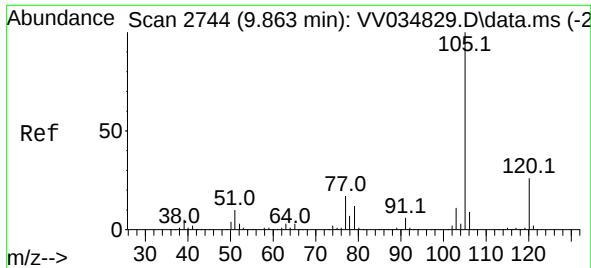
Ion Ratio Lower Upper

173 100

175 48.1 39.3 58.9

254 9.4 7.5 11.3

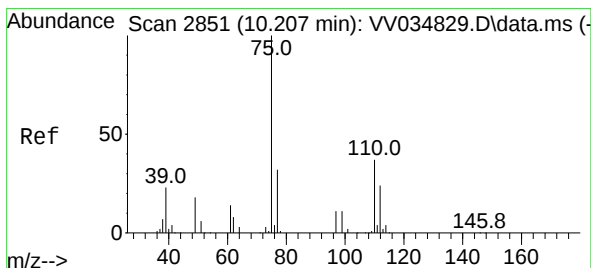
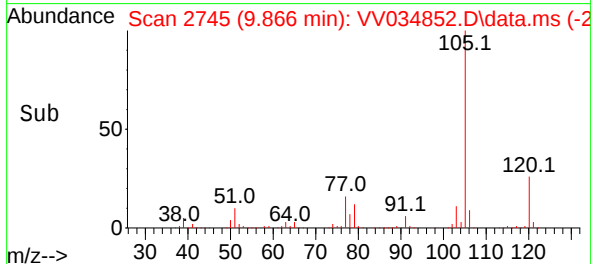
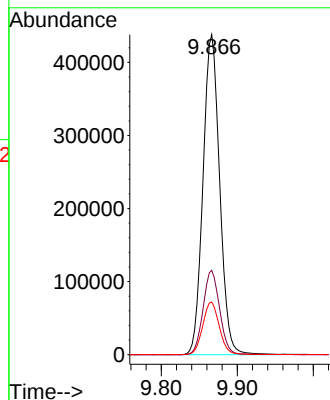
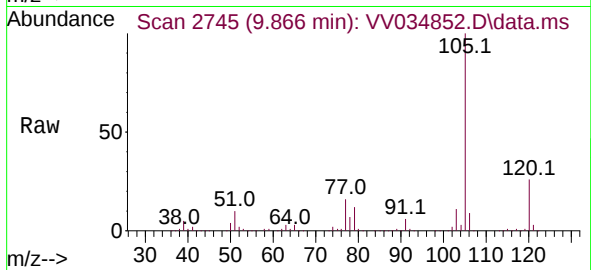




#60
Isopropylbenzene
Concen: 51.626 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

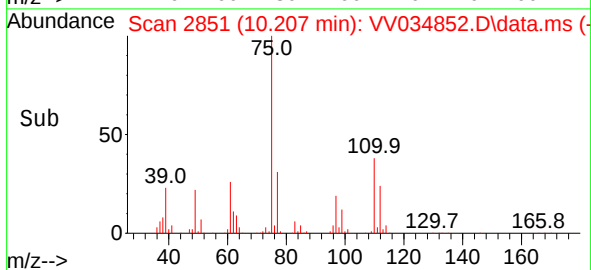
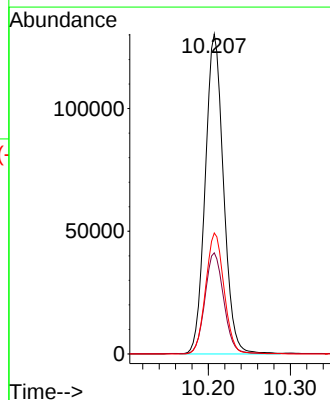
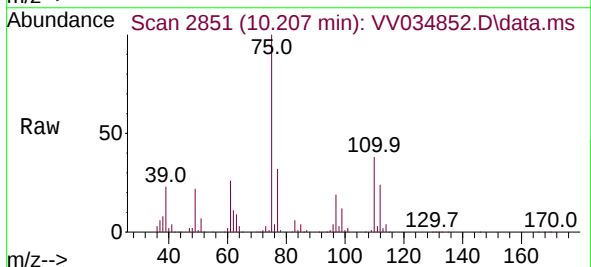
Instrument :
MSVOA_V
ClientSampleId :

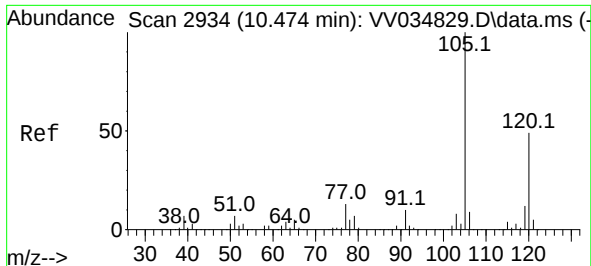
Tgt Ion:105 Resp: 667356
Ion Ratio Lower Upper
105 100
120 26.1 21.0 31.6
77 16.3 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 51.952 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

Tgt Ion: 75 Resp: 201863
Ion Ratio Lower Upper
75 100
77 32.1 26.0 39.0
110 37.9 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 52.082 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Instrument :

MSVOA_V

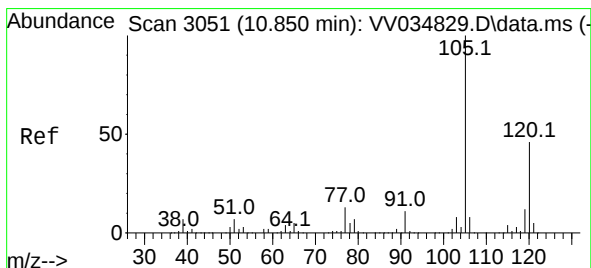
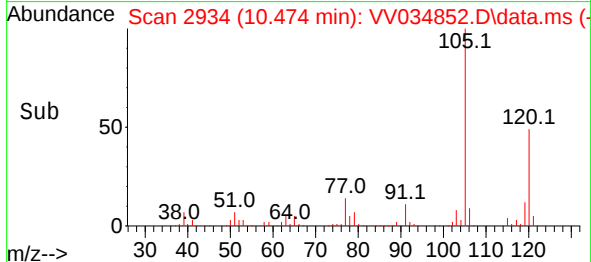
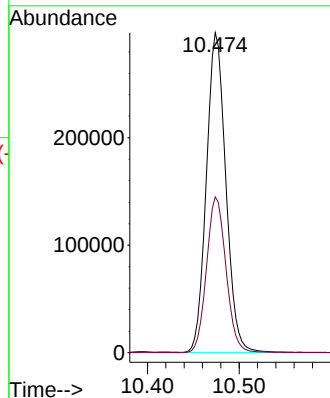
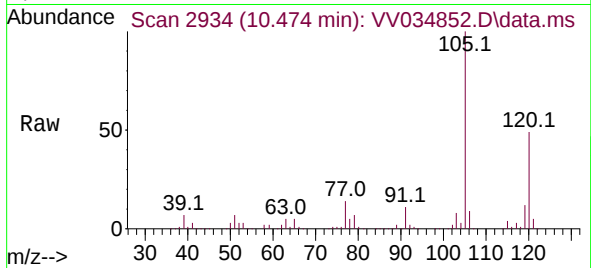
ClientSampleId :

Tgt Ion:105 Resp: 437245

Ion Ratio Lower Upper

105 100

120 49.0 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 53.309 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV034852.D

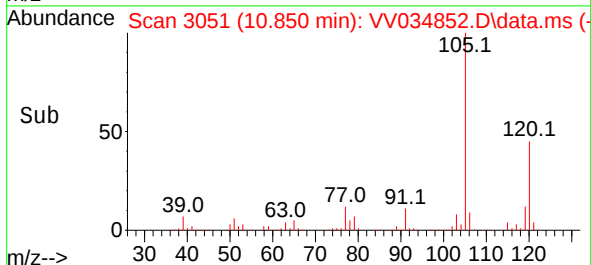
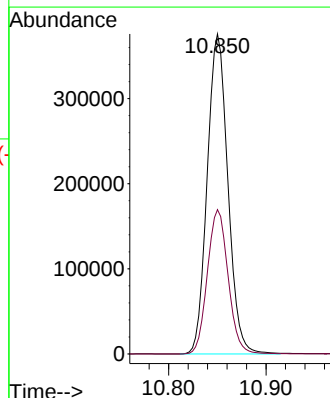
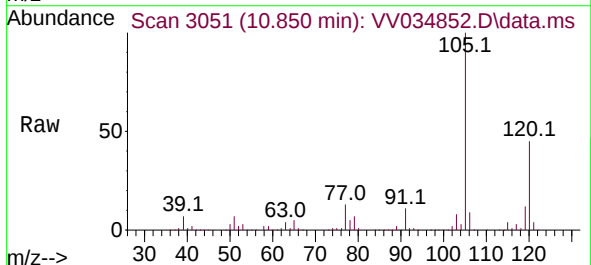
Acq: 27 Mar 2024 01:03

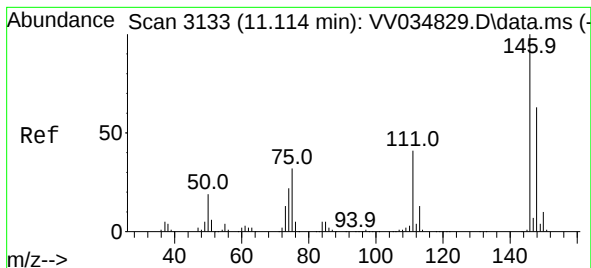
Tgt Ion:105 Resp: 553333

Ion Ratio Lower Upper

105 100

120 45.3 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 51.347 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Instrument :

MSVOA_V

ClientSampleId :

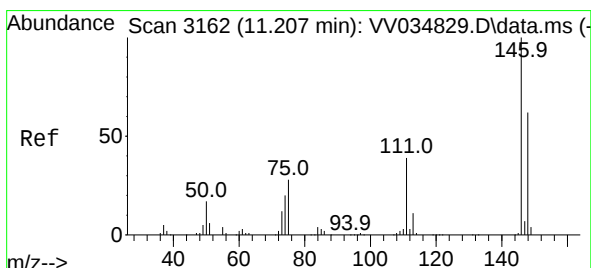
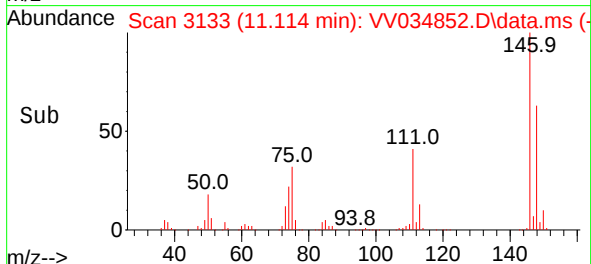
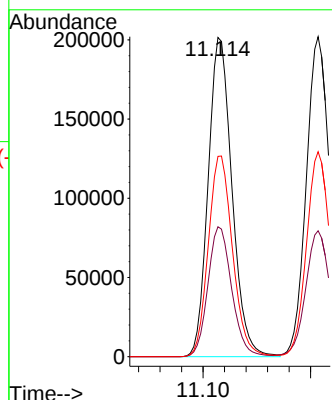
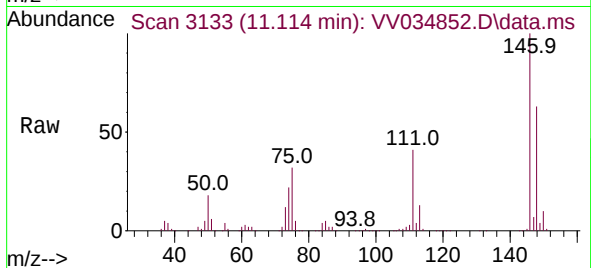
Tgt Ion:146 Resp: 310183

Ion Ratio Lower Upper

146 100

111 40.7 28.7 53.3

148 62.7 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 51.201 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

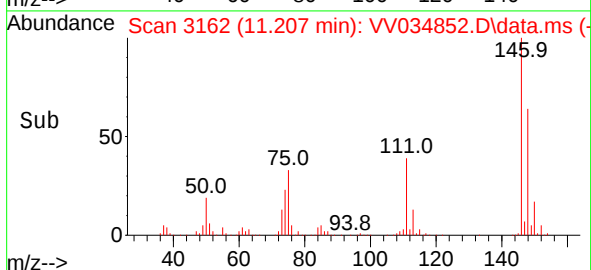
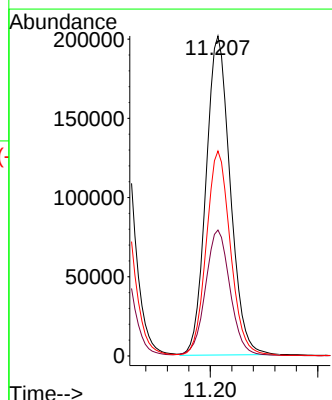
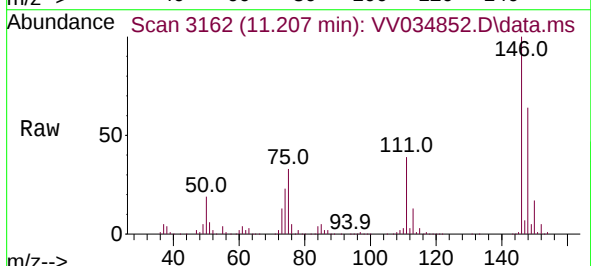
Tgt Ion:146 Resp: 314539

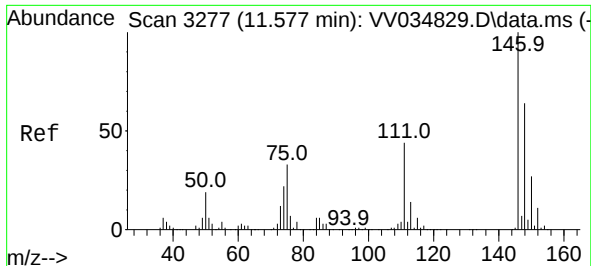
Ion Ratio Lower Upper

146 100

111 39.4 27.4 50.8

148 64.0 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 52.374 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Instrument :

MSVOA_V

ClientSampleId :

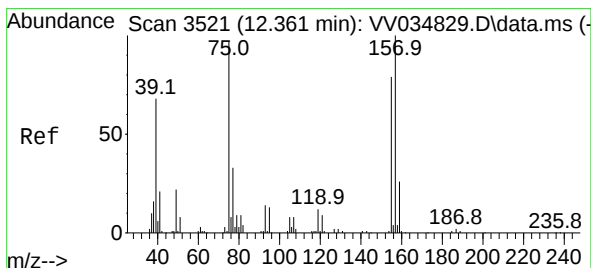
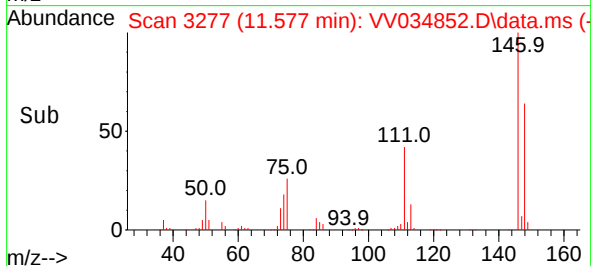
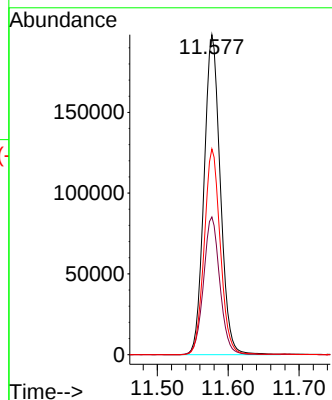
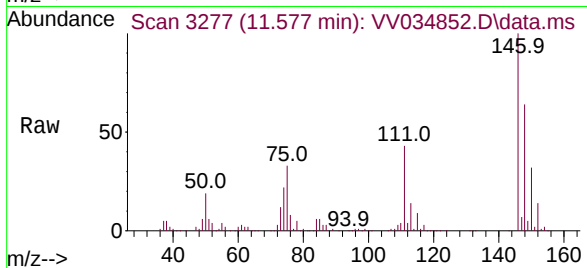
Tgt Ion:146 Resp: 315181

Ion Ratio Lower Upper

146 100

111 43.1 34.6 52.0

148 64.3 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 50.266 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

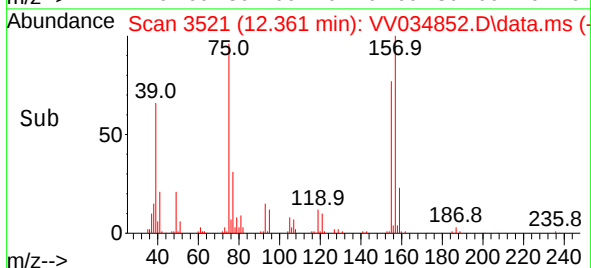
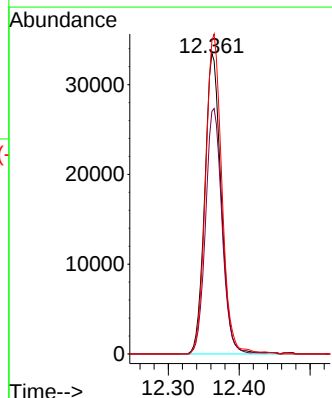
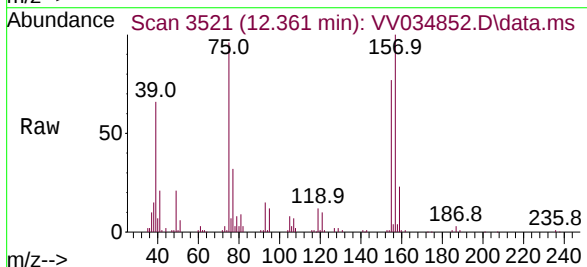
Tgt Ion: 75 Resp: 53808

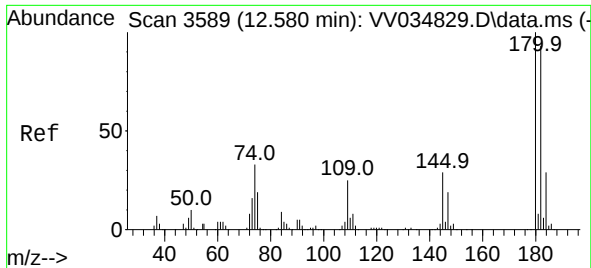
Ion Ratio Lower Upper

75 100

155 80.7 63.0 94.6

157 104.2 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 50.151 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

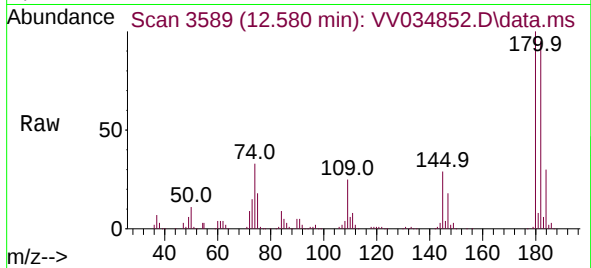
Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 218343

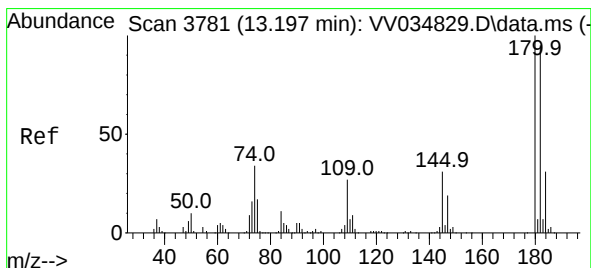
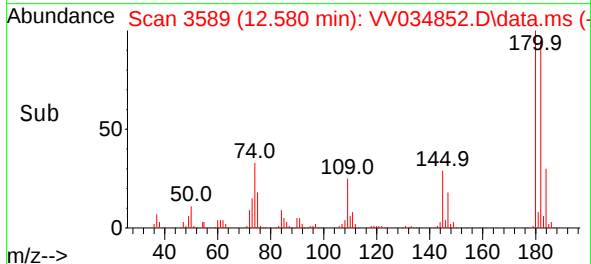
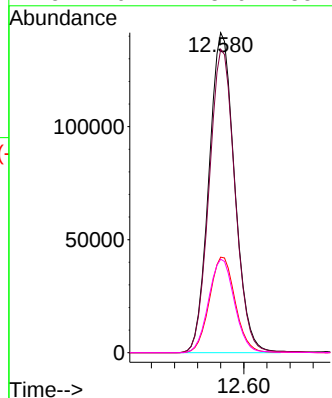
Ion Ratio Lower Upper

180 100

182 95.5 74.7 112.1

184 30.1 24.0 36.0

145 29.4 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 50.557 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV034852.D

Acq: 27 Mar 2024 01:03

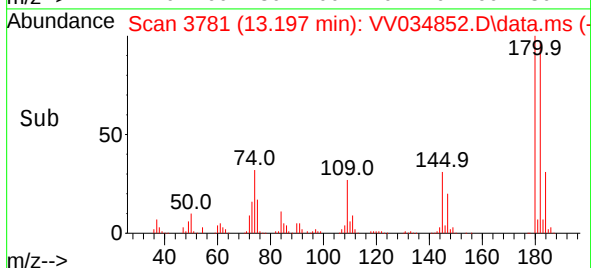
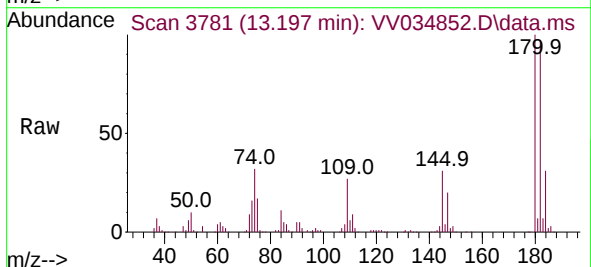
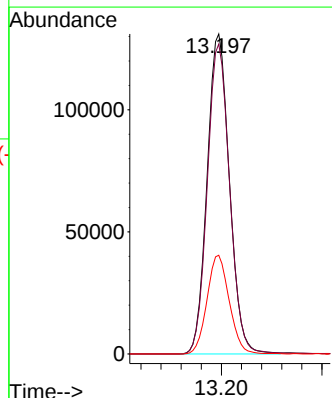
Tgt Ion:180 Resp: 202189

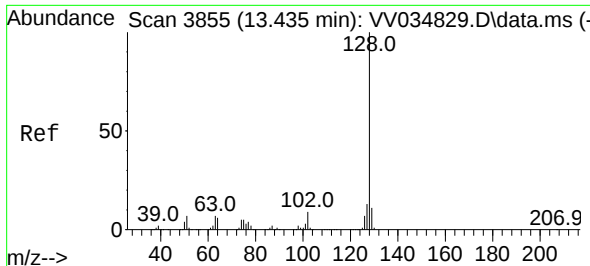
Ion Ratio Lower Upper

180 100

182 96.8 75.6 113.4

145 30.7 24.1 36.1

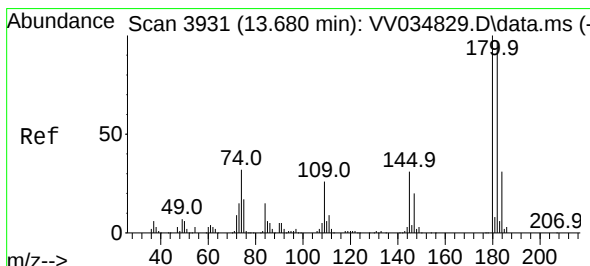
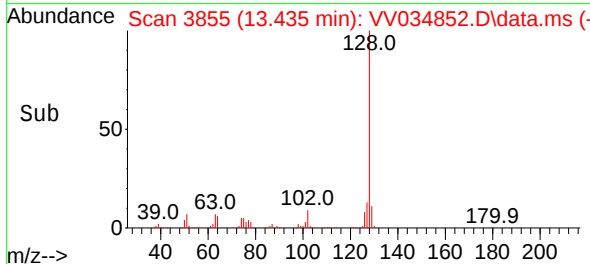
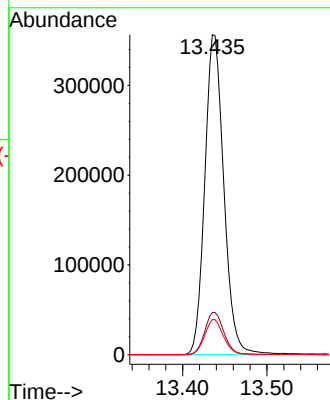
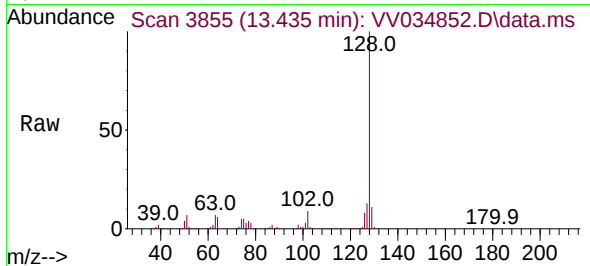




#71
Naphthalene
Concen: 50.579 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 561197
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 52.386 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. -0.000 min
Lab File: VV034852.D
Acq: 27 Mar 2024 01:03

Tgt Ion:180 Resp: 206512
Ion Ratio Lower Upper
180 100
182 96.1 76.2 114.2
145 32.1 25.8 38.6

