

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031124\
 Data File : VV034532.D
 Acq On : 11 Mar 2024 09:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 12 01:27:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 23:17:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	339199	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	311718	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	165626	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.278	65	103703	35.267	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.540%
7) Chloroethane-d5	1.526	69	91714	40.035	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.060%
11) 1,1-Dichloroethene-d2	2.056	65	47335	35.595	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.180%
21) 2-Butanone-d5	3.780	46	199459	101.432	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.430%
24) Chloroform-d	4.246	84	228755	43.999	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	4.937	65	148629	43.747	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.500%
32) Benzene-d6	4.956	84	398072	42.313	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.620%
36) 1,2-Dichloropropane-d6	5.985	67	127501	44.409	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.820%
41) Toluene-d8	7.239	98	352513	41.406	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.820%
43) trans-1,3-Dichloroprop...	7.551	79	63745	44.213	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.420%
47) 2-Hexanone-d5	8.021	63	142210	99.192	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.190%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	177426	46.960	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.920%
66) 1,2-Dichlorobenzene-d4	11.557	152	144138	42.576	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.160%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.105	85	165345	46.472	ug/L	98
3) Chloromethane	1.217	50	159409	45.596	ug/L	99
5) Vinyl chloride	1.285	62	159210	46.914	ug/L	99
6) Bromomethane	1.481	94	93815	46.075	ug/L	100
8) Chloroethane	1.545	64	95252	47.222	ug/L	100
9) Trichlorofluoromethane	1.712	101	234560	46.154	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	128676	46.978	ug/L	98
12) 1,1-Dichloroethene	2.069	96	115312	45.400	ug/L	91
13) Acetone	2.111	43	251366	106.332	ug/L	99
14) Carbon disulfide	2.240	76	332046	47.106	ug/L	99
15) Methyl Acetate	2.371	43	152774	50.516	ug/L	100
16) Methylene chloride	2.445	84	131769	48.909	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	117487	47.791	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	433979	49.157	ug/L	99
19) 1,1-Dichloroethane	3.108	63	237705	49.360	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	132685	49.745	ug/L	95
22) 2-Butanone	3.860	43	244611	104.787	ug/L	98
23) Bromochloromethane	4.143	128	68008	49.308	ug/L	94
25) Chloroform	4.275	83	240890	48.260	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031124\
 Data File : VV034532.D
 Acq On : 11 Mar 2024 09:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

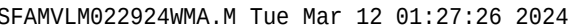
Instrument :
 MSVOA_V
 ClientSampleId :

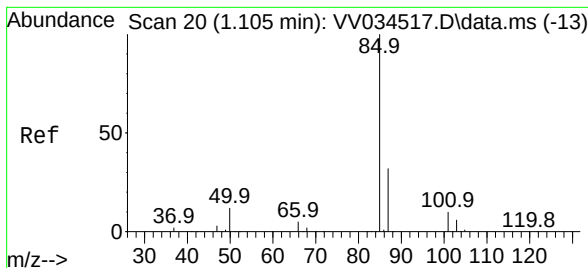
Quant Time: Mar 12 01:27:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 23:17:44 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	194828	48.041	ug/L	99
29) Cyclohexane	4.580	56	201837	49.227	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	220323	49.290	ug/L	100
31) Carbon tetrachloride	4.731	117	193970	49.013	ug/L	99
33) Benzene	5.008	78	486283	50.258	ug/L	100
34) Trichloroethene	5.831	95	137987	50.170	ug/L	96
35) Methylcyclohexane	6.046	83	210772	50.409	ug/L	99
37) 1,2-Dichloropropane	6.088	63	129812	51.244	ug/L	99
38) Bromodichloromethane	6.429	83	180432	50.637	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	201808	49.170	ug/L	97
40) 4-Methyl-2-pentanone	7.153	43	386887	103.574	ug/L	99
42) Toluene	7.313	91	515225	50.313	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	195486	49.523	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	123979	50.724	ug/L	99
46) Tetrachloroethene	7.902	164	101863	49.800	ug/L	98
48) 2-Hexanone	8.072	43	327282	109.956	ug/L	99
49) Dibromochloromethane	8.175	129	131202	50.867	ug/L	98
50) 1,2-Dibromoethane	8.278	107	130547	50.333	ug/L	98
51) Chlorobenzene	8.812	112	325817	49.216	ug/L	99
52) Ethylbenzene	8.943	91	572267	49.874	ug/L	99
53) m,p-Xylene	9.069	106	217454	49.942	ug/L	98
54) o-Xylene	9.474	106	212988	49.954	ug/L	98
55) Styrene	9.493	104	364023	50.426	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	175952	47.929	ug/L	100
59) Bromoform	9.664	173	92569	50.410	ug/L	99
60) Isopropylbenzene	9.863	105	588050	50.201	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	156108	49.376	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	492314	49.823	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	491439	50.286	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	263244	48.605	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	265115	48.203	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	262279	48.328	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	45297	48.097	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	191830	47.213	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	175056	47.882	ug/L	97
71) Naphthalene	13.435	128	464321	47.479	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	176245	49.416	ug/L	100

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

Quant Time: Mar 12 01:27:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 23:17:44 2024
Response via : Initial Calibration

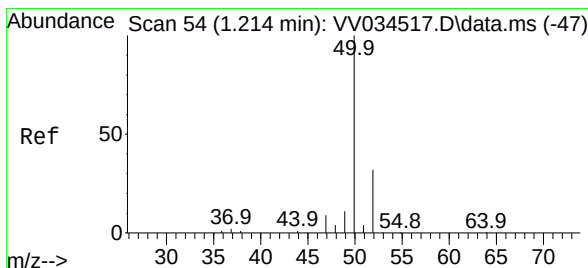
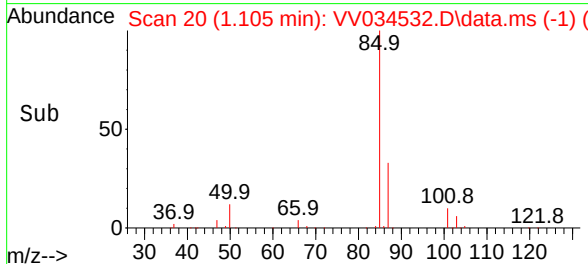
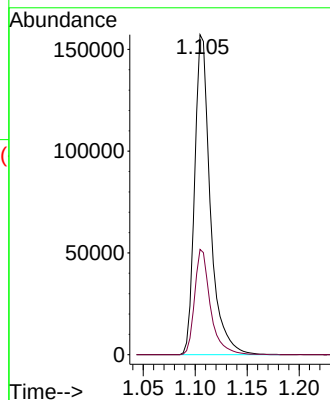
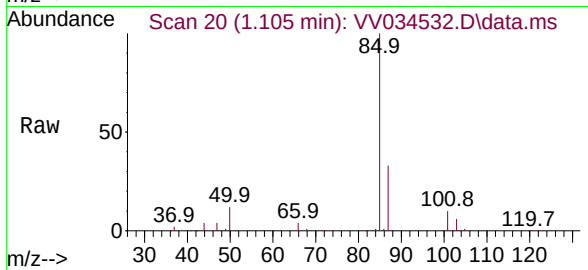




#2
 Dichlorodifluoromethane
 Concen: 46.472 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV034532.D
 Acq: 11 Mar 2024 09:58

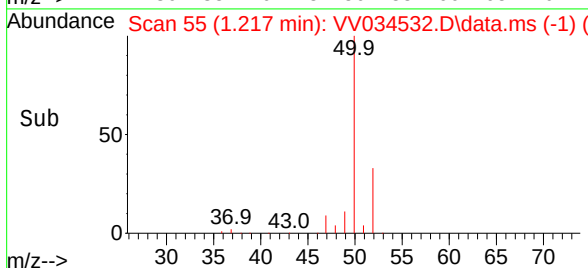
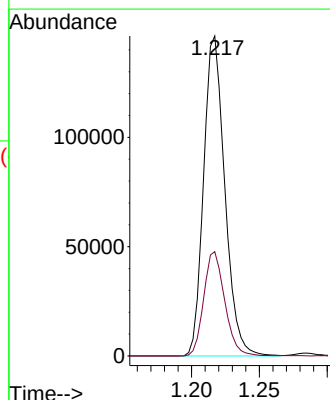
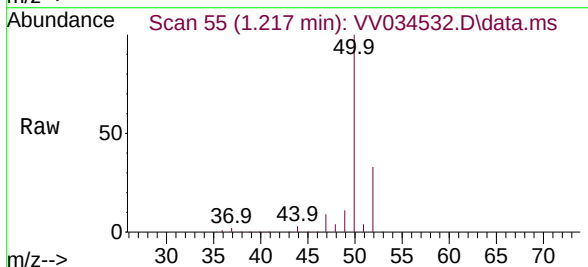
Instrument :
 MSVOA_V
 ClientSampleId :

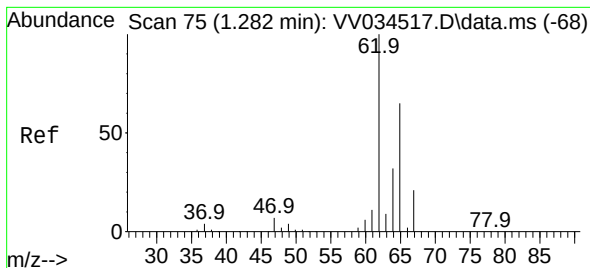
Tgt Ion: 85 Resp: 165345
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.5 38.3



#3
 Chloromethane
 Concen: 45.596 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV034532.D
 Acq: 11 Mar 2024 09:58

Tgt Ion: 50 Resp: 159409
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.0 42.8





#5

Vinyl chloride

Concen: 46.914 ug/L

RT: 1.285 min Scan# 75

Delta R.T. 0.003 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

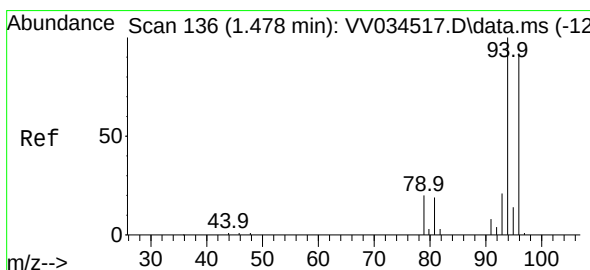
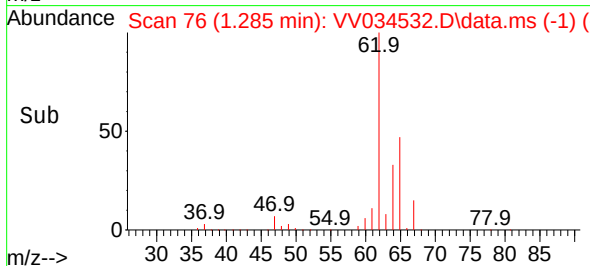
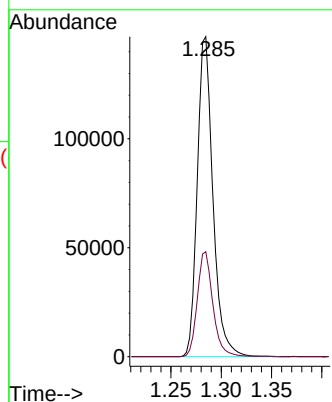
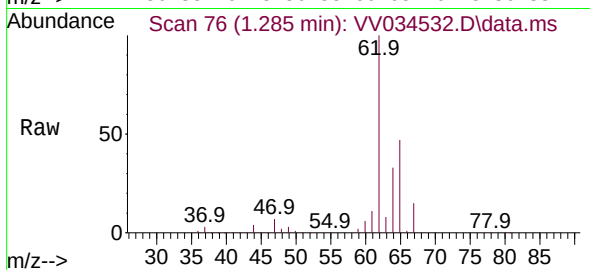
ClientSampleId :

Tgt Ion: 62 Resp: 159210

Ion Ratio Lower Upper

62 100

64 32.8 23.4 43.6



#6

Bromomethane

Concen: 46.075 ug/L

RT: 1.481 min Scan# 137

Delta R.T. 0.003 min

Lab File: VV034532.D

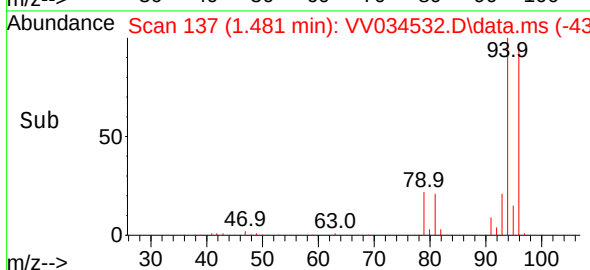
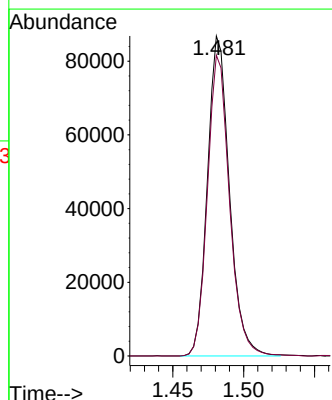
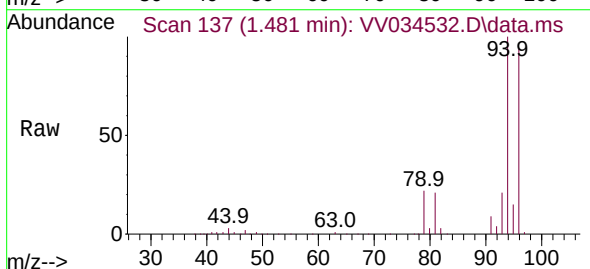
Acq: 11 Mar 2024 09:58

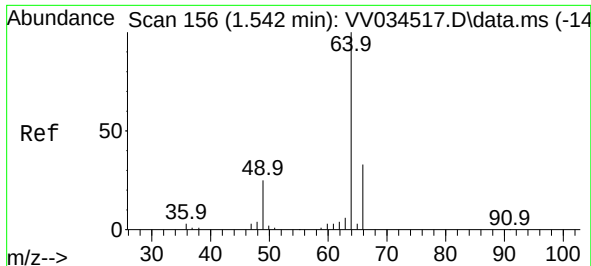
Tgt Ion: 94 Resp: 93815

Ion Ratio Lower Upper

94 100

96 94.0 66.0 122.6

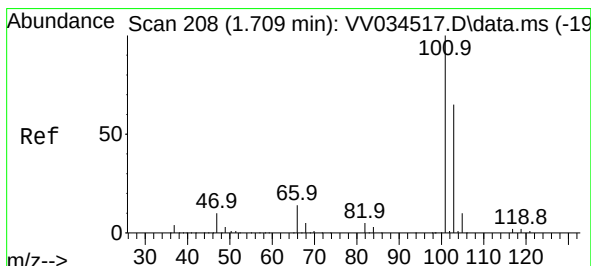
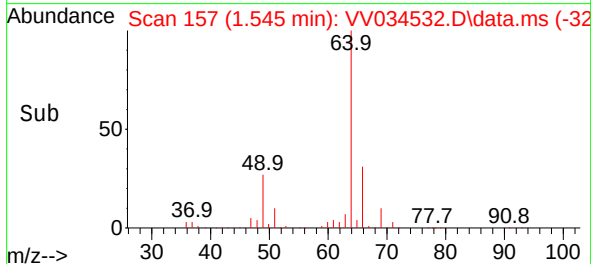
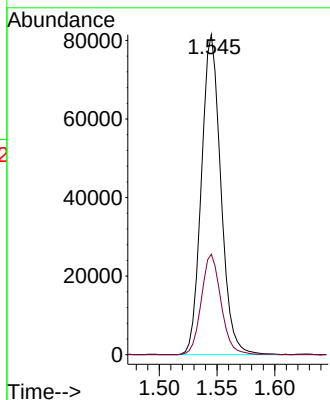
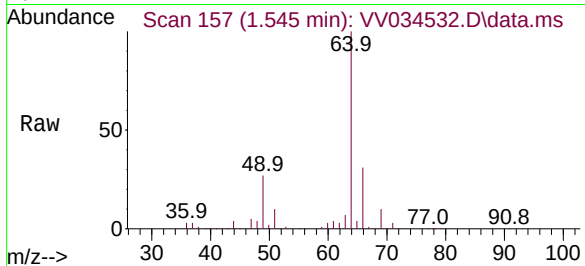




#8
Chloroethane
Concen: 47.222 ug/L
RT: 1.545 min Scan# 156
Delta R.T. 0.003 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58

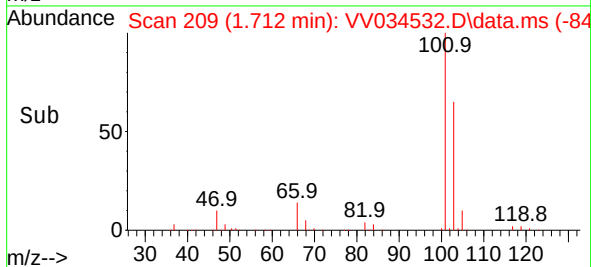
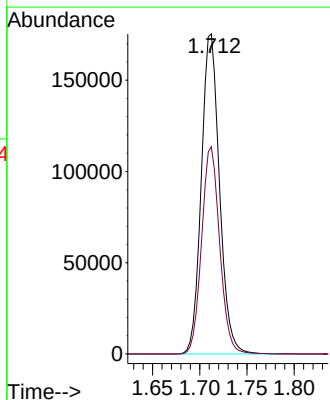
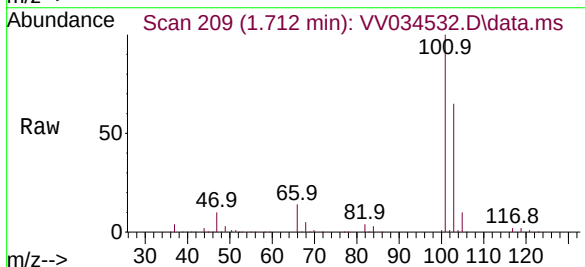
Instrument :
MSVOA_V
ClientSampleId :

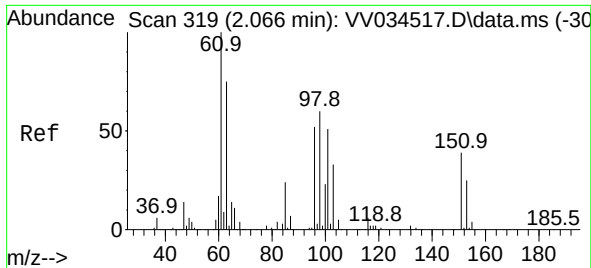
Tgt Ion: 64 Resp: 95252
Ion Ratio Lower Upper
64 100
66 31.4 22.0 40.8



#9
Trichlorofluoromethane
Concen: 46.154 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.003 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58

Tgt Ion:101 Resp: 234560
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.8

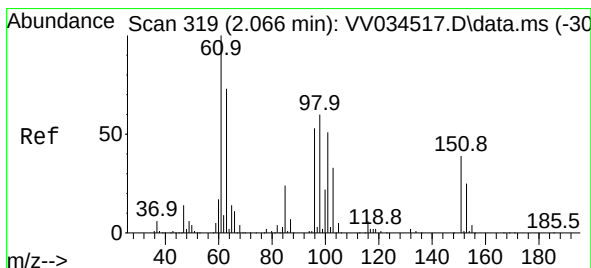
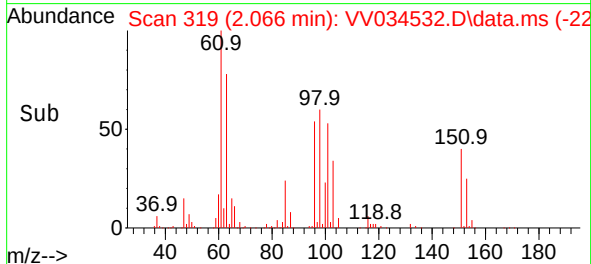
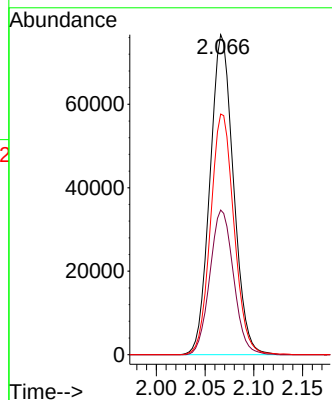
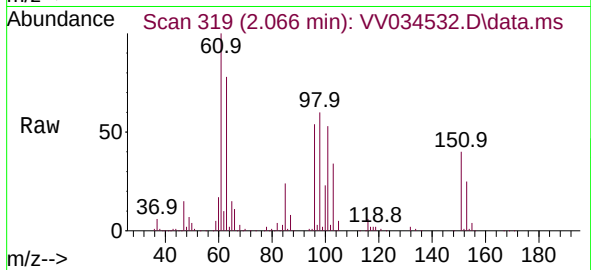




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.978 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: VV034532.D
 Acq: 11 Mar 2024 09:58

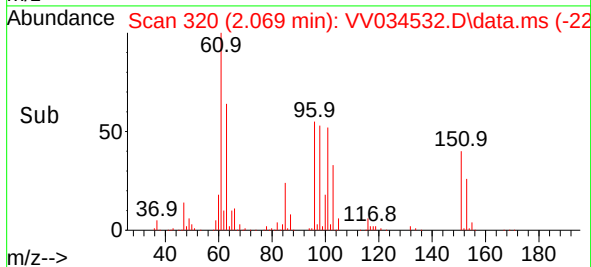
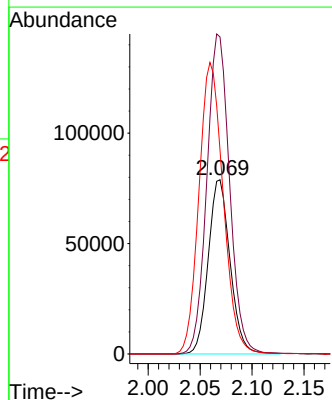
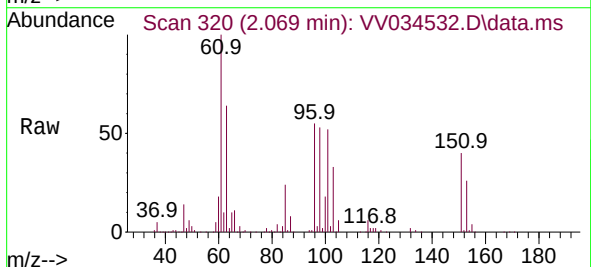
Instrument :
 MSVOA_V
 ClientSampleId :

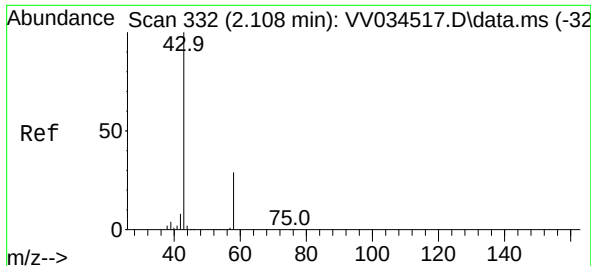
Tgt Ion:101 Resp: 128676
 Ion Ratio Lower Upper
 101 100
 85 45.4 37.4 56.0
 151 75.2 61.4 92.2



#12
 1,1-Dichloroethene
 Concen: 45.400 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.003 min
 Lab File: VV034532.D
 Acq: 11 Mar 2024 09:58

Tgt Ion: 96 Resp: 115312
 Ion Ratio Lower Upper
 96 100
 61 181.8 128.9 239.3
 63 116.7 98.0 182.0





#13

Acetone

Concen: 106.332 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.003 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

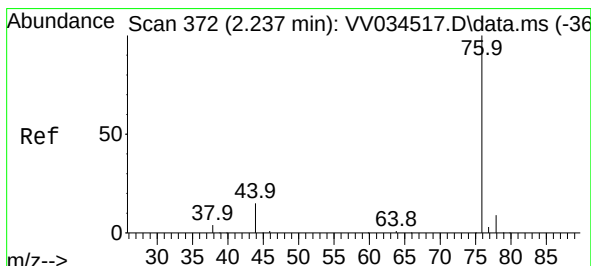
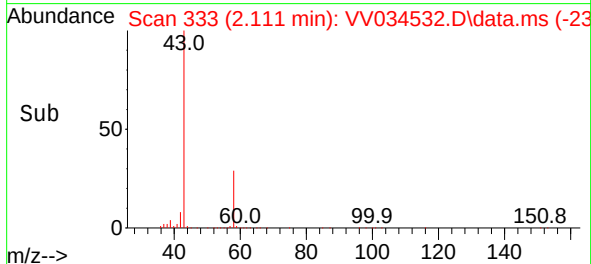
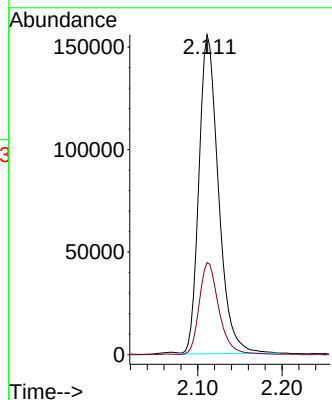
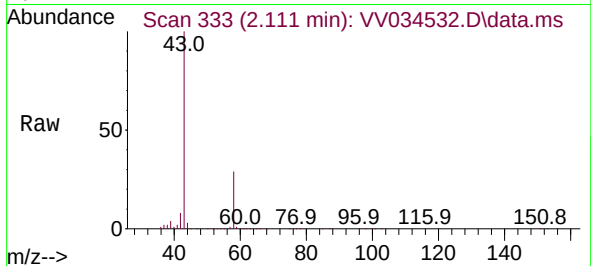
ClientSampleId :

Tgt Ion: 43 Resp: 251366

Ion Ratio Lower Upper

43 100

58 28.9 0.0 57.2



#14

Carbon disulfide

Concen: 47.106 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.003 min

Lab File: VV034532.D

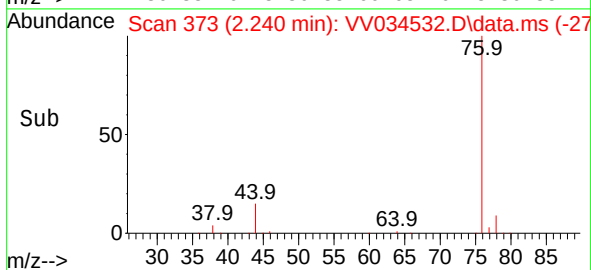
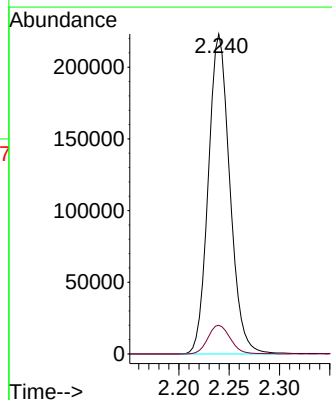
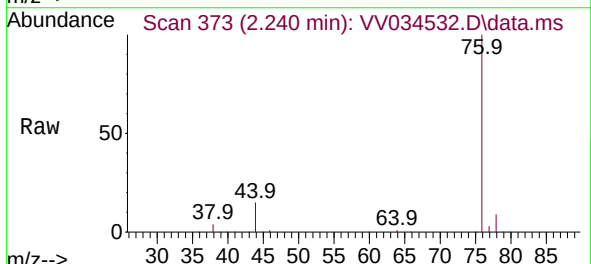
Acq: 11 Mar 2024 09:58

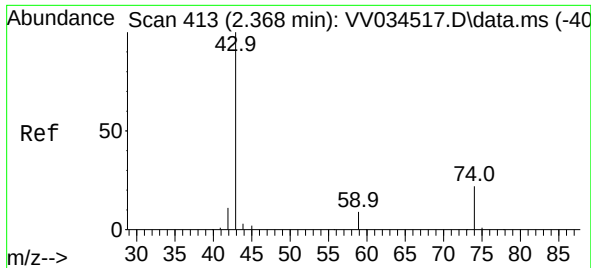
Tgt Ion: 76 Resp: 332046

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#15

Methyl Acetate

Concen: 50.516 ug/L

RT: 2.371 min Scan# 413

Delta R.T. 0.003 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

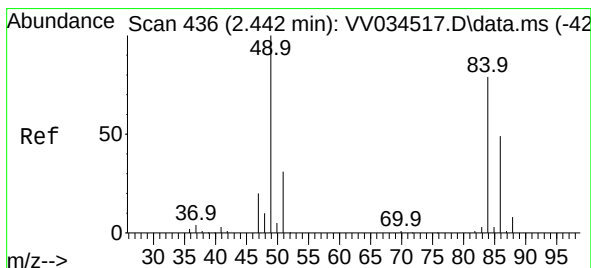
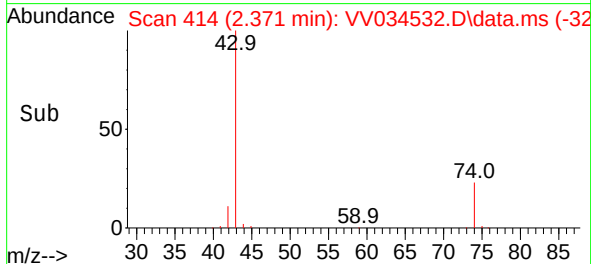
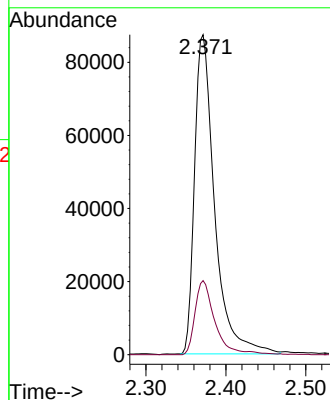
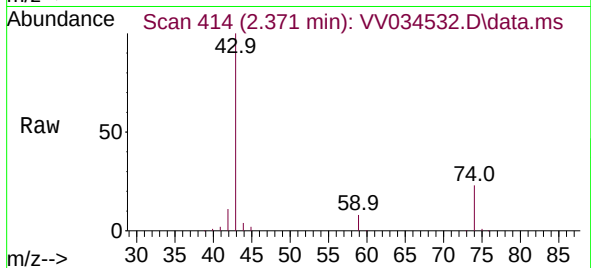
ClientSampleId :

Tgt Ion: 43 Resp: 152774

Ion Ratio Lower Upper

43 100

74 22.2 17.8 26.8



#16

Methylene chloride

Concen: 48.909 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.003 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

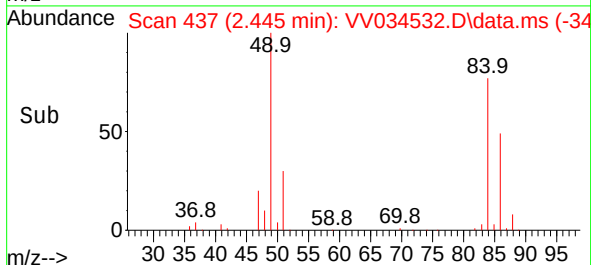
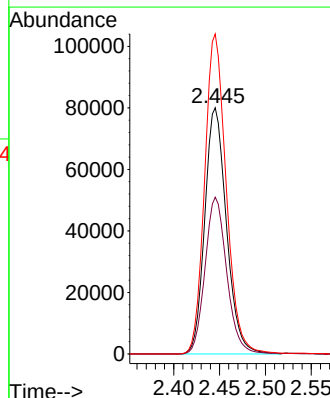
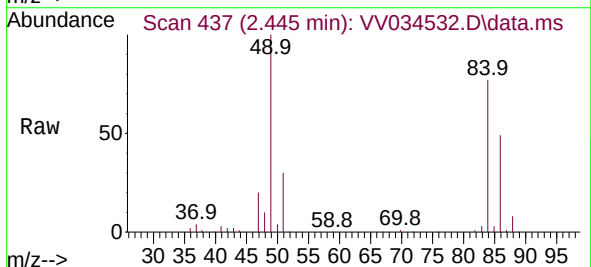
Tgt Ion: 84 Resp: 131769

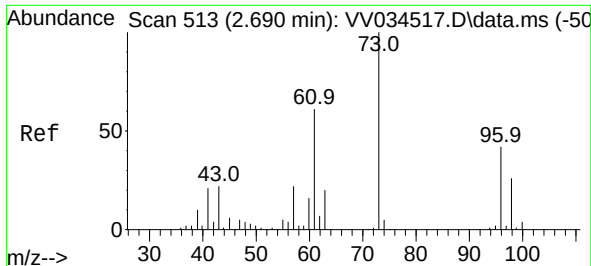
Ion Ratio Lower Upper

84 100

86 63.6 45.6 84.6

49 129.9 92.3 171.3





#17

trans-1,2-Dichloroethene

Concen: 47.791 ug/L

RT: 2.693 min Scan# 513

Delta R.T. 0.003 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

ClientSampleId :

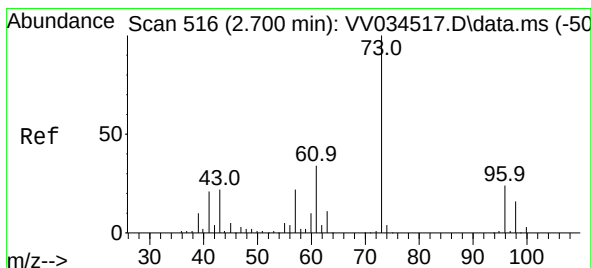
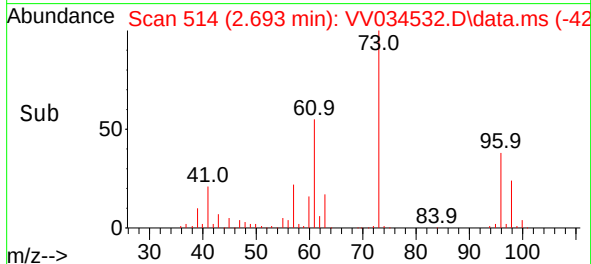
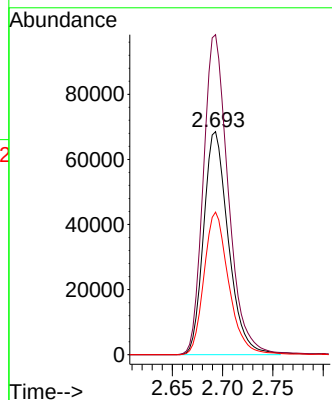
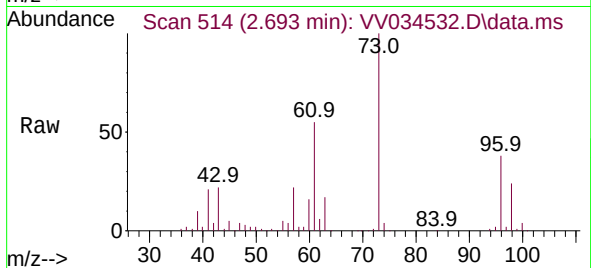
Tgt Ion: 96 Resp: 117487

Ion Ratio Lower Upper

96 100

61 143.5 98.8 183.4

98 63.9 46.1 85.5



#18

Methyl tert-butyl Ether

Concen: 49.157 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

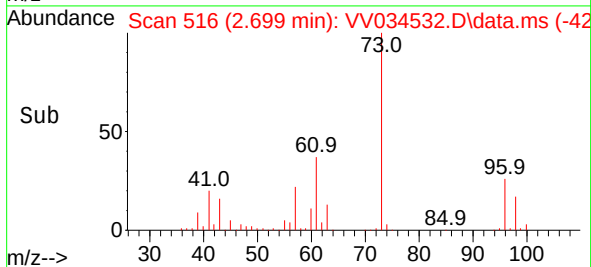
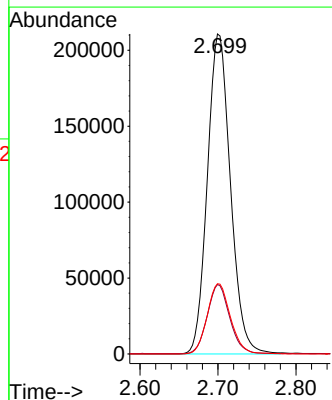
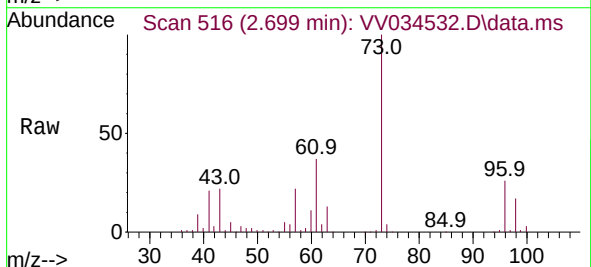
Tgt Ion: 73 Resp: 433979

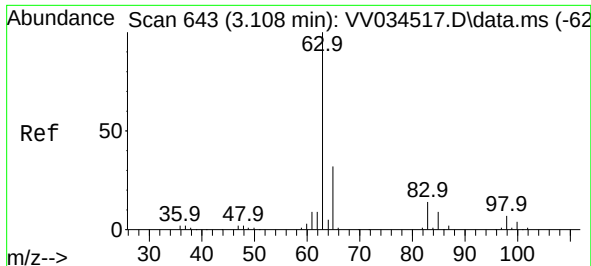
Ion Ratio Lower Upper

73 100

43 20.9 17.1 25.7

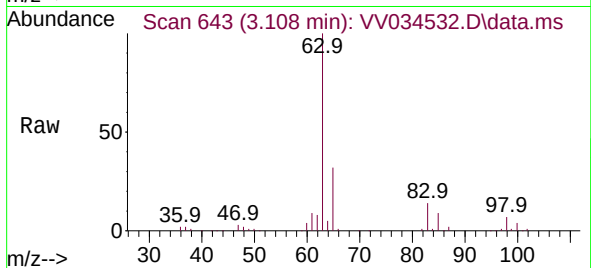
57 22.0 17.6 26.4



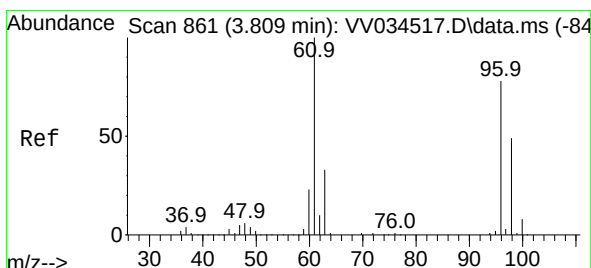
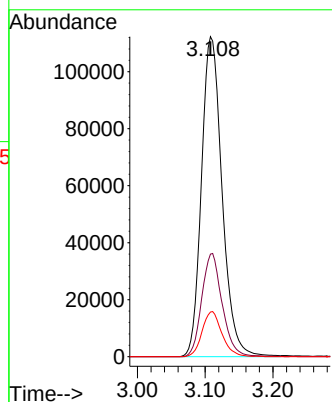
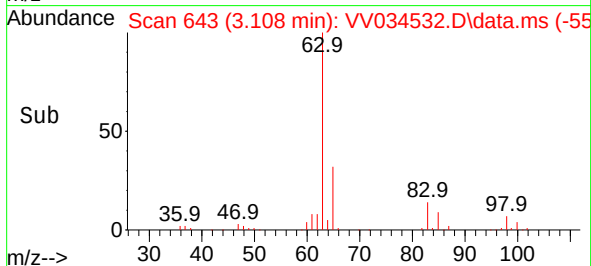


#19
1,1-Dichloroethane
Concen: 49.360 ug/L
RT: 3.108 min Scan# 643
Delta R.T. -0.000 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58

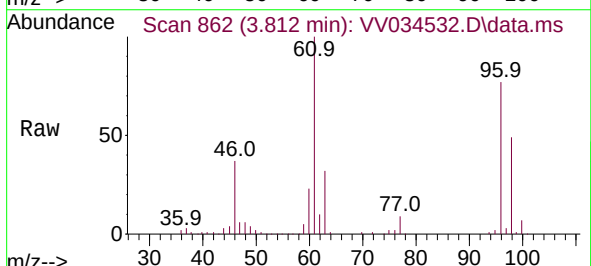
Instrument :
MSVOA_V
ClientSampleId :



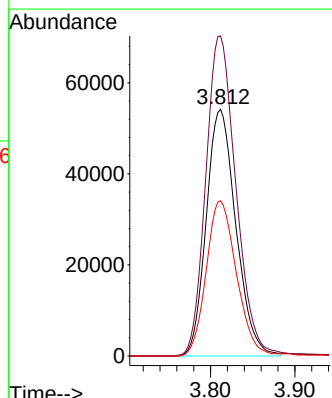
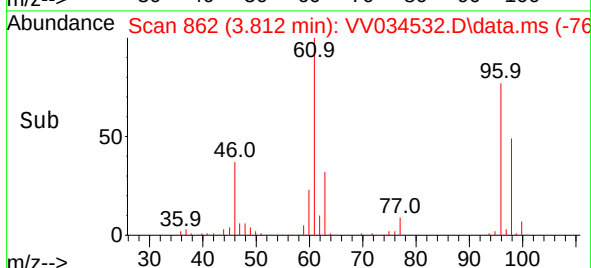
Tgt Ion: 63 Resp: 237705
Ion Ratio Lower Upper
63 100
65 32.0 22.1 41.1
83 13.9 9.9 18.3

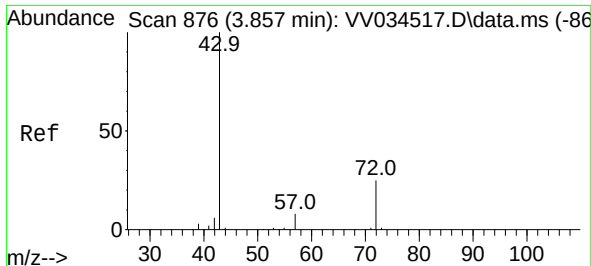


#20
cis-1,2-Dichloroethene
Concen: 49.745 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.003 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58



Tgt Ion: 96 Resp: 132685
Ion Ratio Lower Upper
96 100
61 129.7 96.0 178.4
98 62.9 46.0 85.4

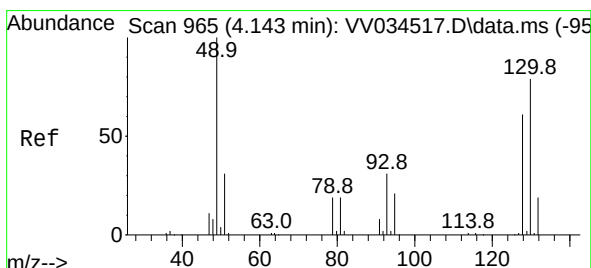
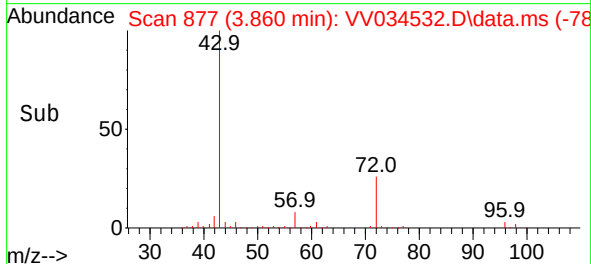
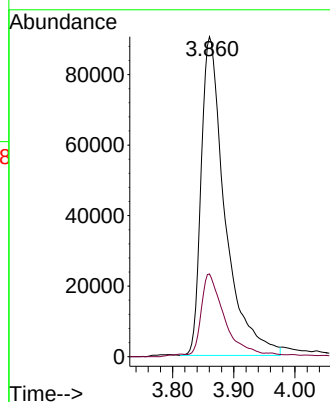
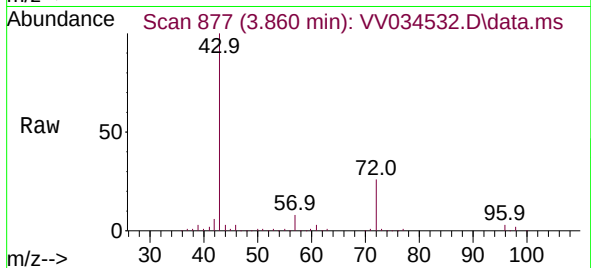




#22
2-Butanone
Concen: 104.787 ug/L
RT: 3.860 min Scan# 876
Delta R.T. 0.003 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58

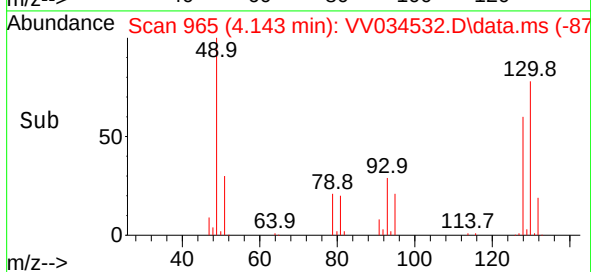
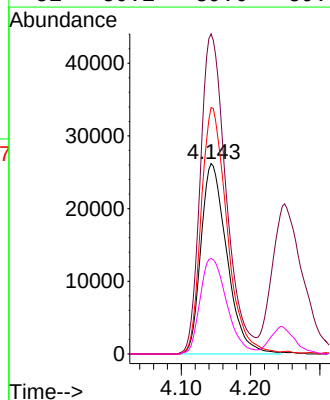
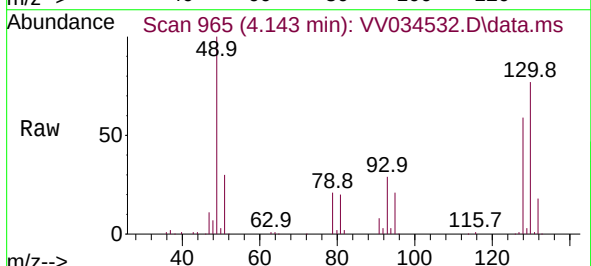
Instrument :
MSVOA_V
ClientSampleId :

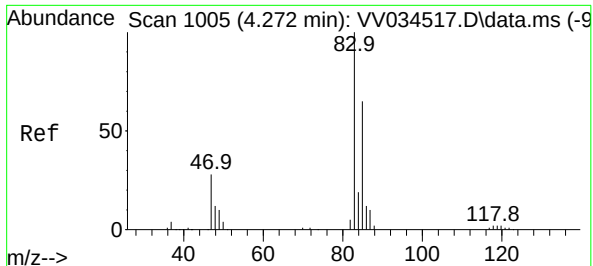
Tgt Ion: 43 Resp: 244611
Ion Ratio Lower Upper
43 100
72 24.0 11.5 34.4



#23
Bromochloromethane
Concen: 49.308 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.000 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58

Tgt Ion:128 Resp: 68008
Ion Ratio Lower Upper
128 100
49 168.1 109.4 203.2
130 129.4 87.7 162.9
51 50.1 39.6 59.4





#25

Chloroform

Concen: 48.260 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

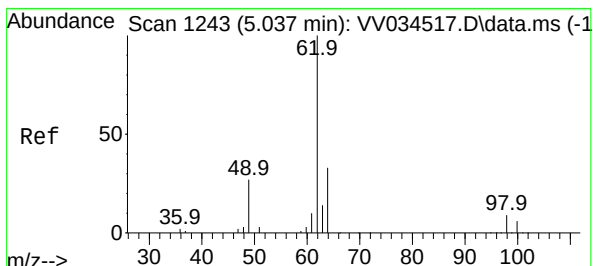
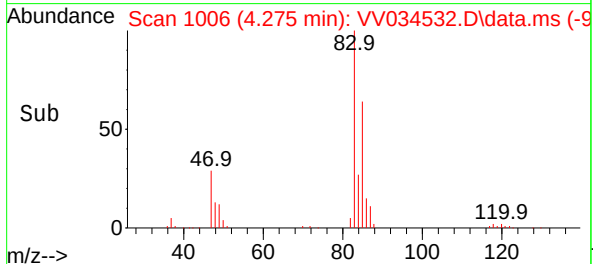
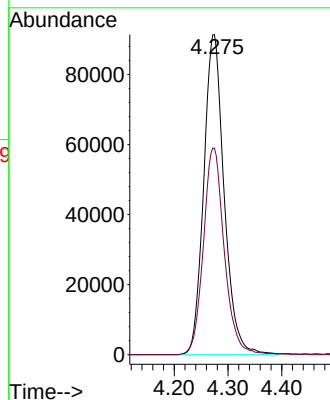
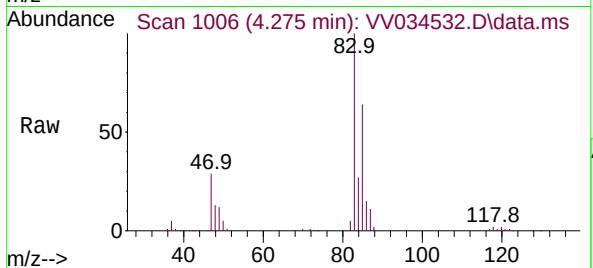
ClientSampleId :

Tgt Ion: 83 Resp: 240890

Ion Ratio Lower Upper

83 100

85 64.5 45.5 84.5



#27

1,2-Dichloroethane

Concen: 48.041 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VV034532.D

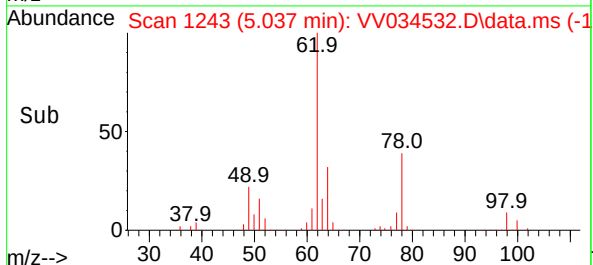
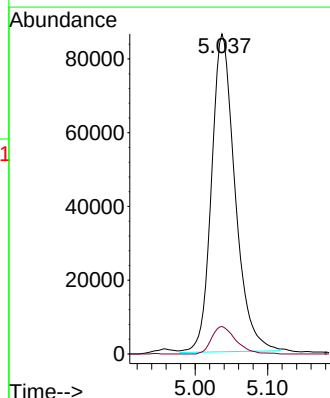
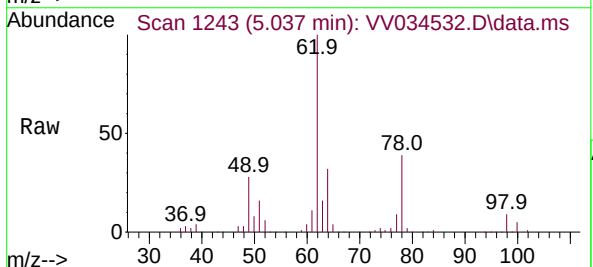
Acq: 11 Mar 2024 09:58

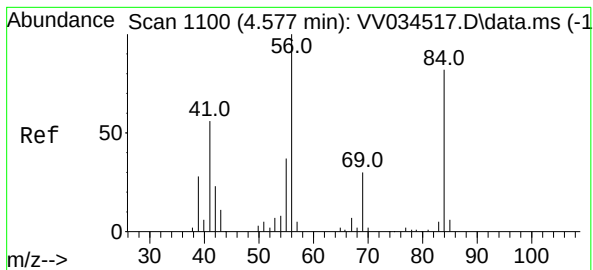
Tgt Ion: 62 Resp: 194828

Ion Ratio Lower Upper

62 100

98 8.6 6.6 10.0





#29

Cyclohexane

Concen: 49.227 ug/L

RT: 4.580 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

ClientSampleId :

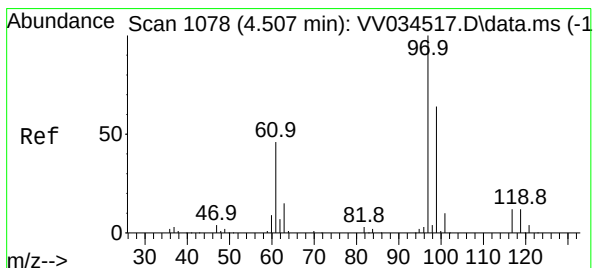
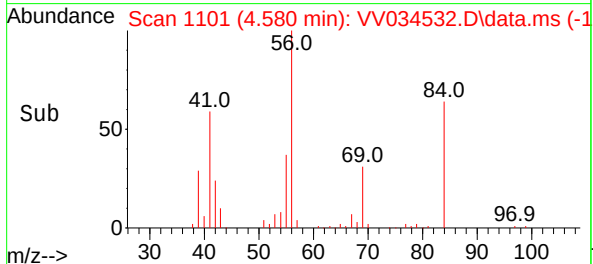
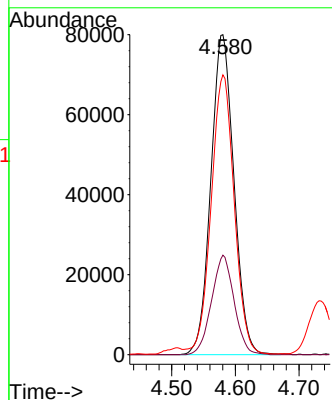
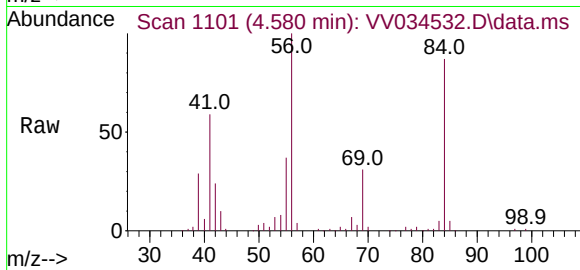
Tgt Ion: 56 Resp: 201837

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.4

84 86.8 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 49.290 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.003 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

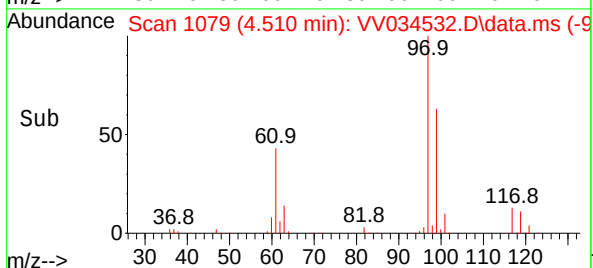
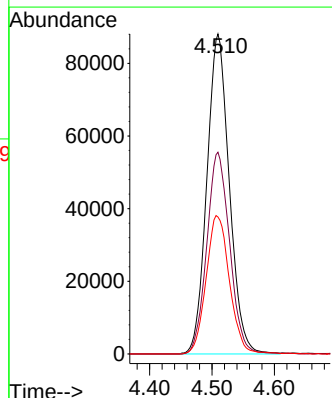
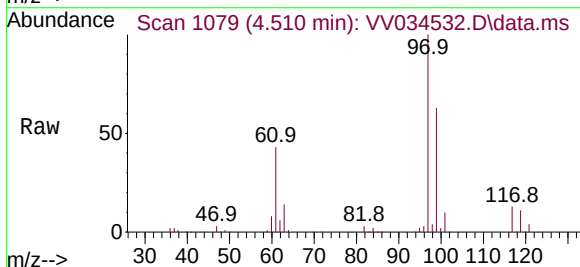
Tgt Ion: 97 Resp: 220323

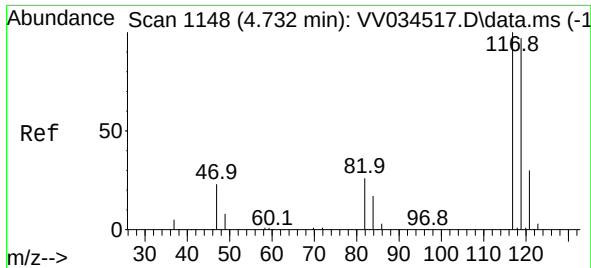
Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

61 44.7 36.0 54.0

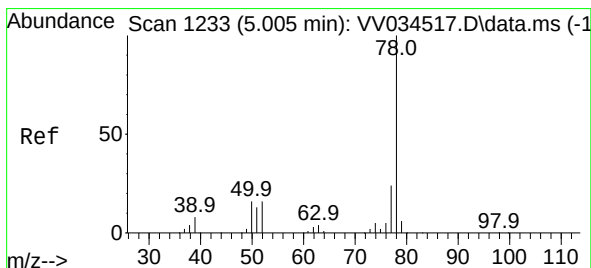
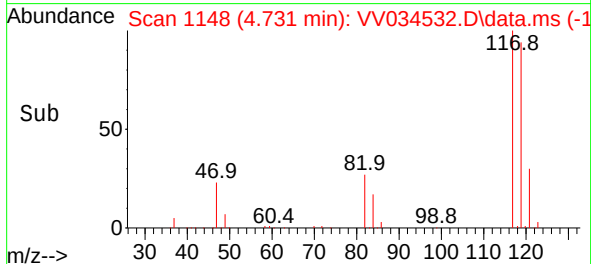
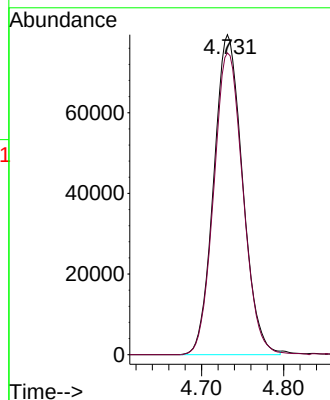
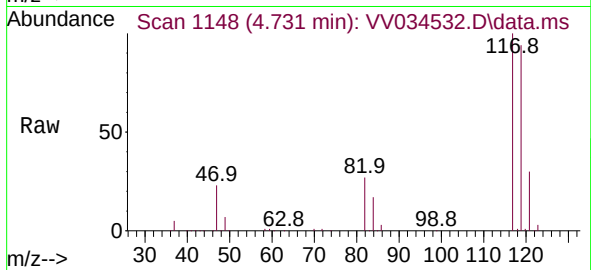




#31
Carbon tetrachloride
Concen: 49.013 ug/L
RT: 4.731 min Scan# 1148
Delta R.T. -0.000 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58

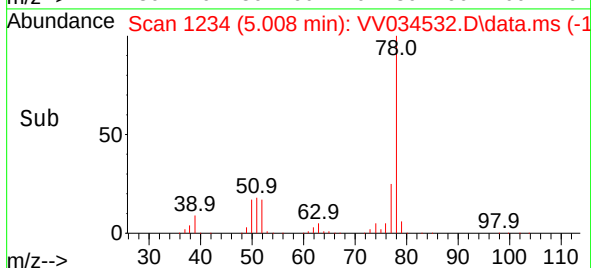
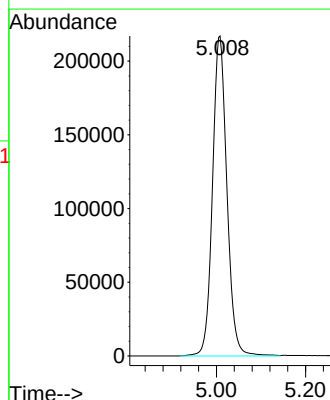
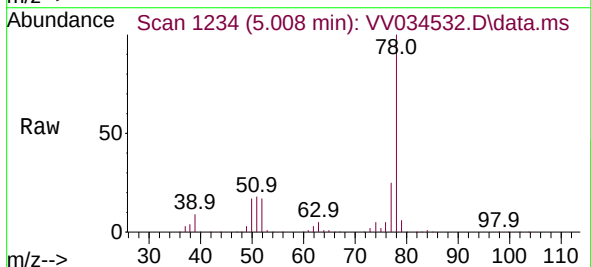
Instrument :
MSVOA_V
ClientSampleId :

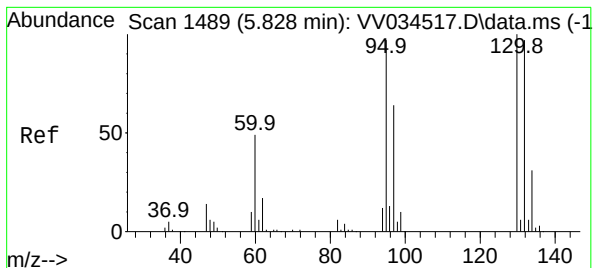
Tgt Ion:117 Resp: 193970
Ion Ratio Lower Upper
117 100
119 95.7 77.5 116.3



#33
Benzene
Concen: 50.258 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58

Tgt Ion: 78 Resp: 486283





#34

Trichloroethene

Concen: 50.170 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 137987

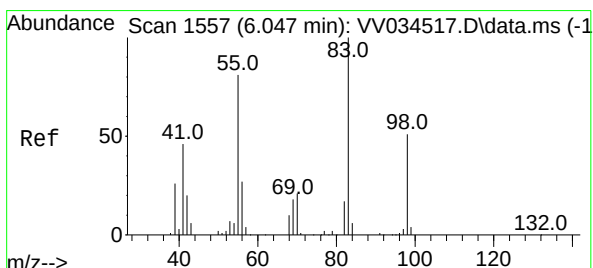
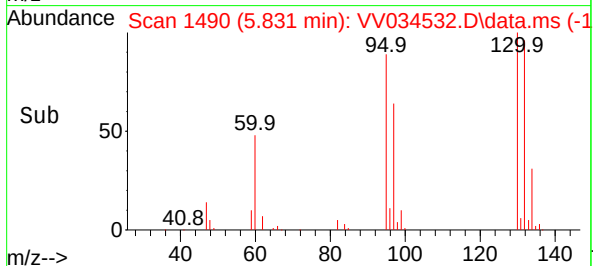
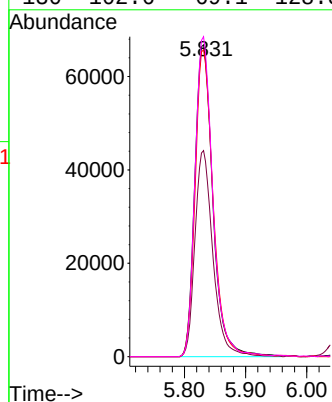
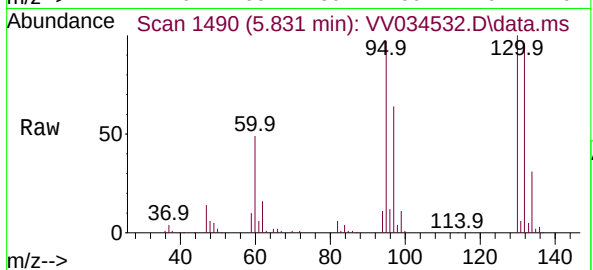
Ion Ratio Lower Upper

95 100

97 66.1 44.7 83.1

132 98.4 65.3 121.3

130 102.6 69.1 128.3



#35

Methylcyclohexane

Concen: 50.409 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

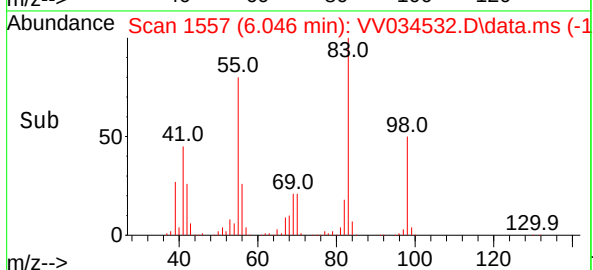
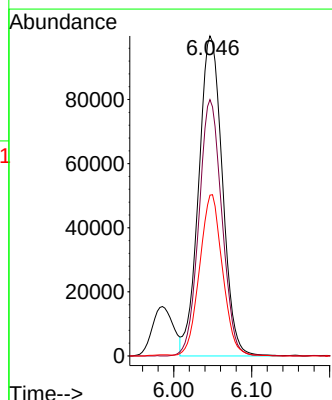
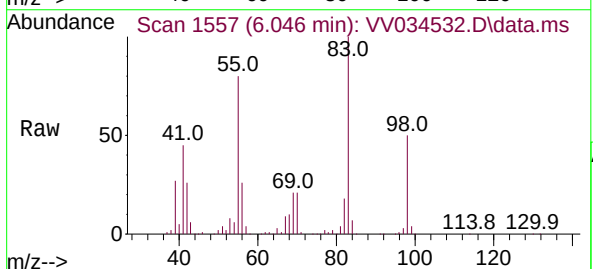
Tgt Ion: 83 Resp: 210772

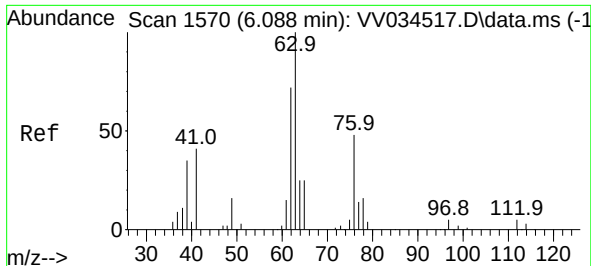
Ion Ratio Lower Upper

83 100

55 77.4 62.6 94.0

98 48.9 39.5 59.3

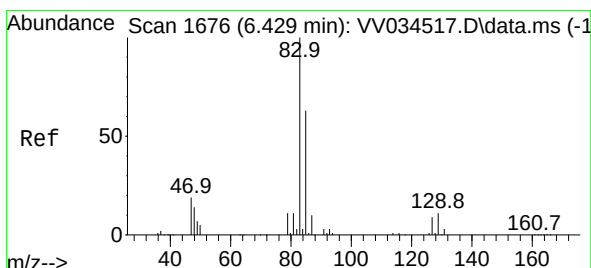
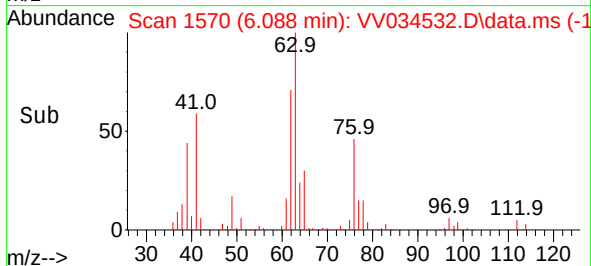
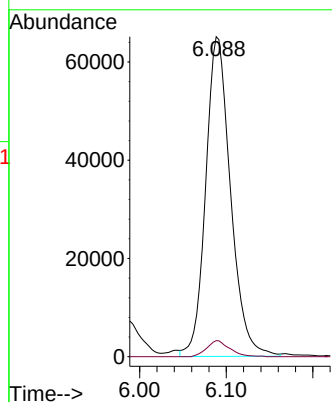
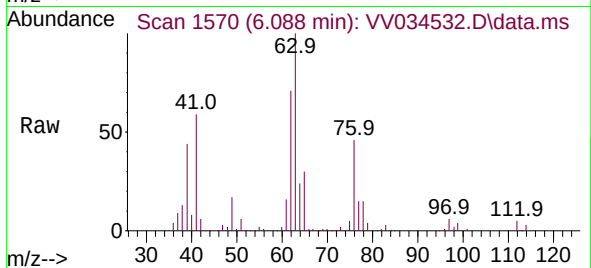




#37
1,2-Dichloropropane
Concen: 51.244 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58

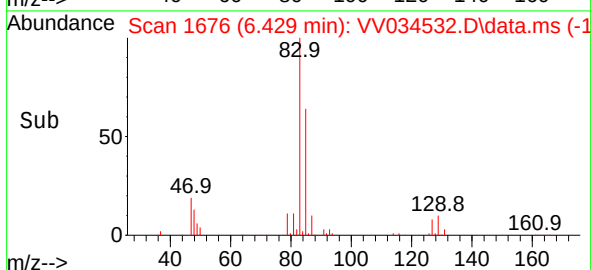
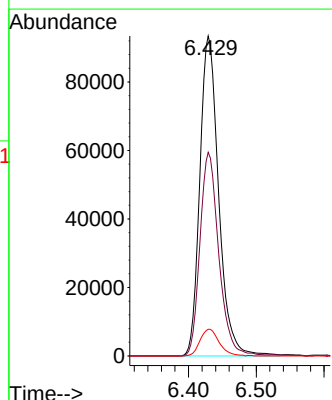
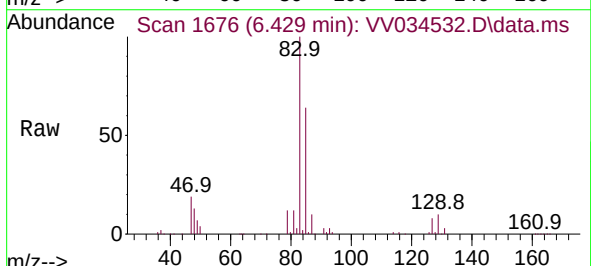
Instrument :
MSVOA_V
ClientSampleId :

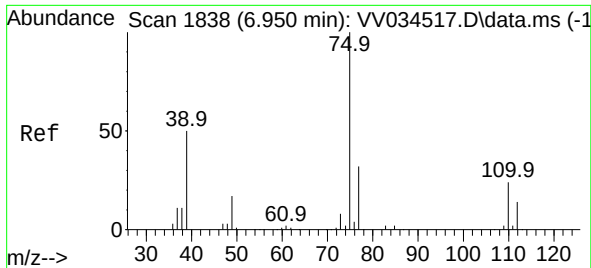
Tgt Ion: 63 Resp: 129812
Ion Ratio Lower Upper
63 100
112 4.6 3.5 5.3



#38
Bromodichloromethane
Concen: 50.637 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58

Tgt Ion: 83 Resp: 180432
Ion Ratio Lower Upper
83 100
85 63.7 44.6 82.8
127 8.3 6.9 10.3

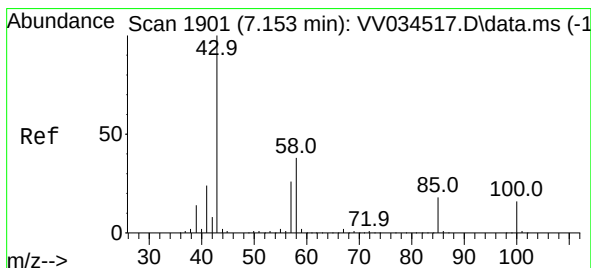
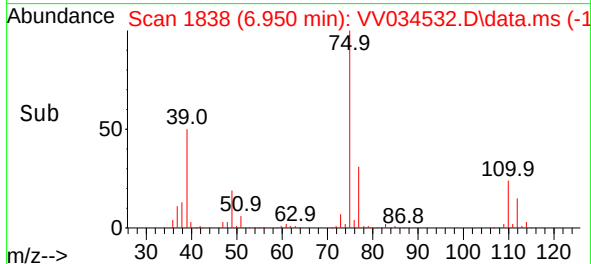
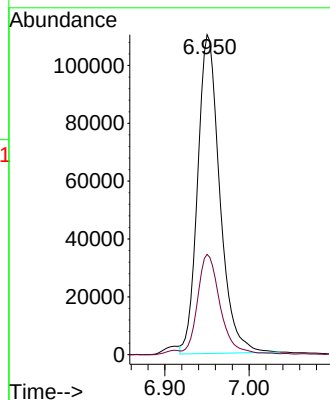
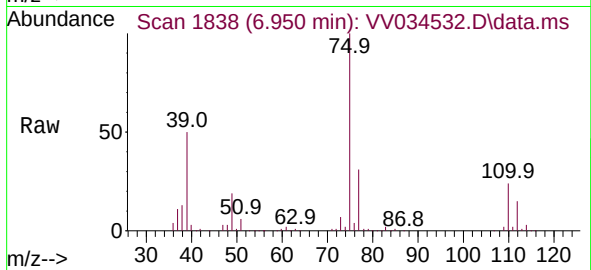




#39
 cis-1,3-Dichloropropene
 Concen: 49.170 ug/L
 RT: 6.950 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VV034532.D
 Acq: 11 Mar 2024 09:58

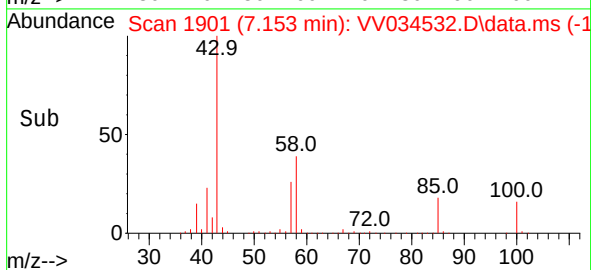
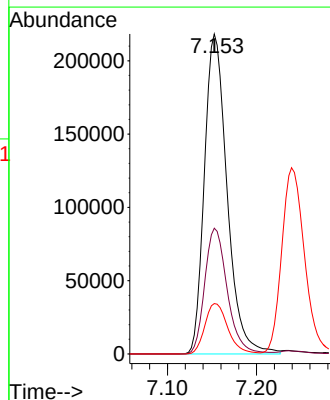
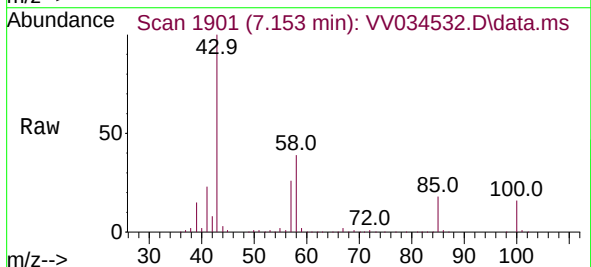
Instrument :
 MSVOA_V
 ClientSampleId :

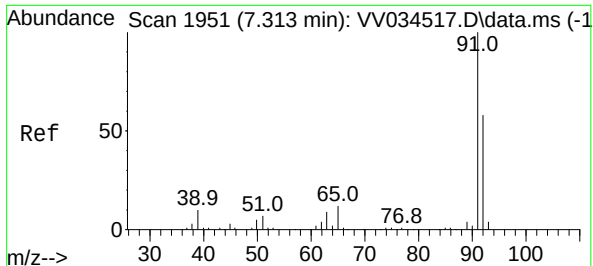
Tgt Ion: 75 Resp: 201808
 Ion Ratio Lower Upper
 75 100
 77 31.4 20.9 38.9



#40
 4-Methyl-2-pentanone
 Concen: 103.574 ug/L
 RT: 7.153 min Scan# 1901
 Delta R.T. -0.000 min
 Lab File: VV034532.D
 Acq: 11 Mar 2024 09:58

Tgt Ion: 43 Resp: 386887
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.6 46.0
 100 15.9 12.5 18.7





#42

Toluene

Concen: 50.313 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

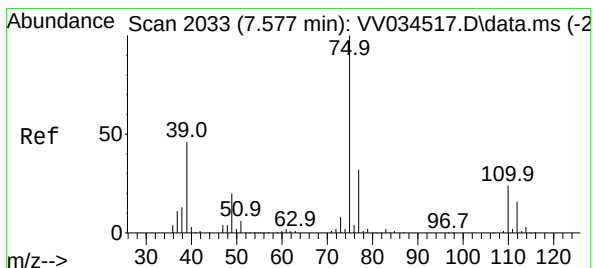
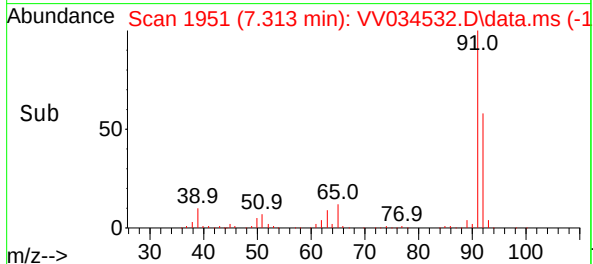
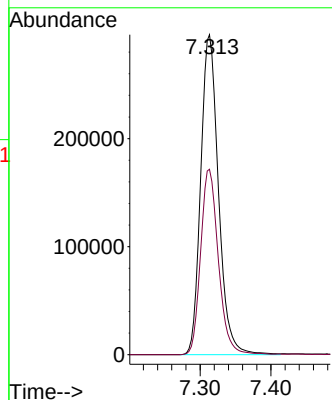
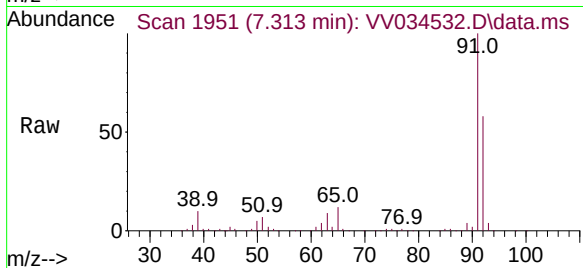
ClientSampleId :

Tgt Ion: 91 Resp: 515225

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 49.523 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV034532.D

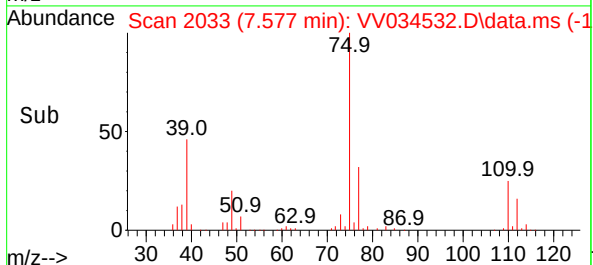
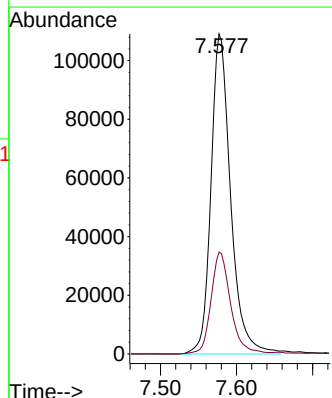
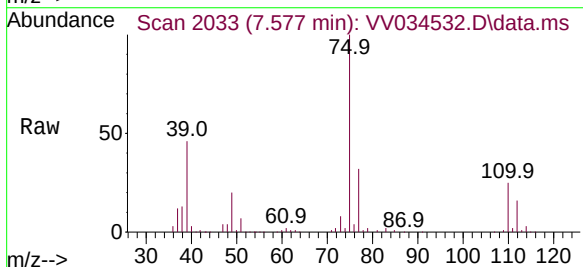
Acq: 11 Mar 2024 09:58

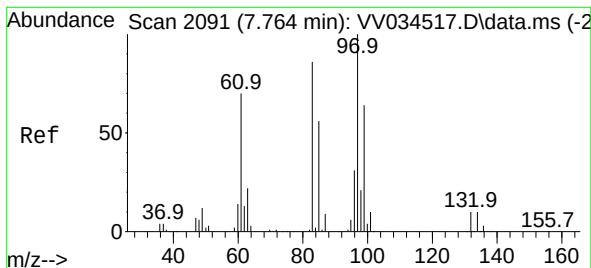
Tgt Ion: 75 Resp: 195486

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 50.724 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 123979

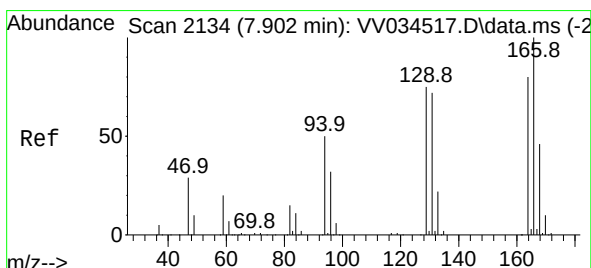
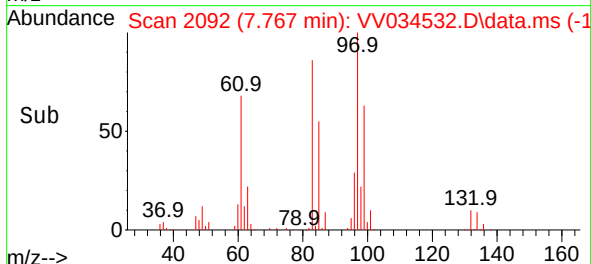
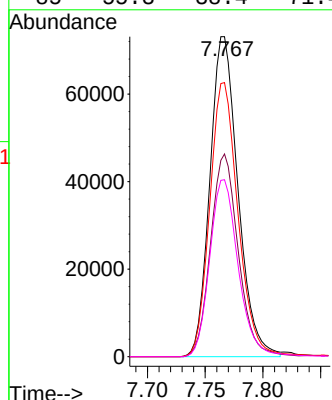
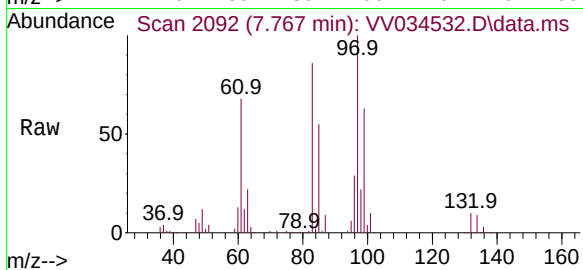
Ion Ratio Lower Upper

97 100

99 63.3 43.8 81.4

83 85.7 59.4 110.2

85 55.3 38.4 71.4



#46

Tetrachloroethene

Concen: 49.800 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.000 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Tgt Ion: 164 Resp: 101863

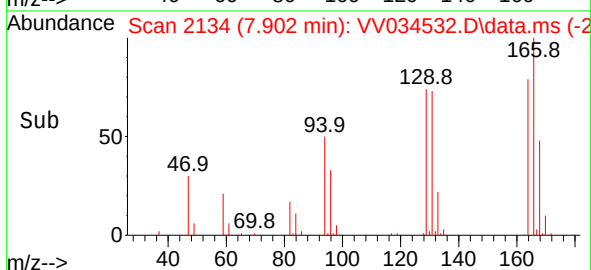
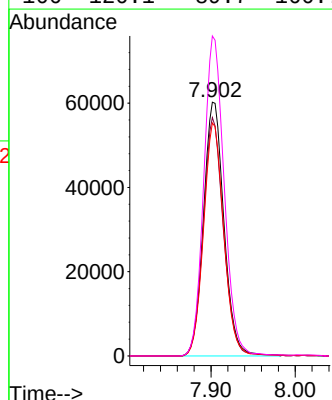
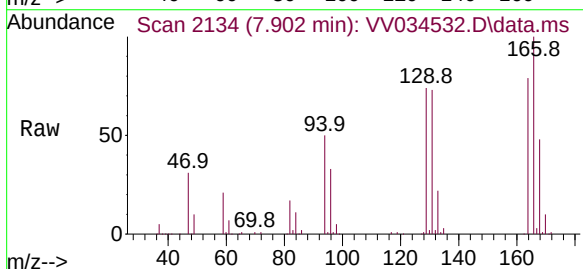
Ion Ratio Lower Upper

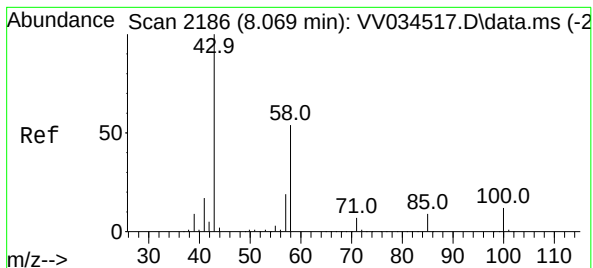
164 100

129 93.9 65.7 121.9

131 91.8 62.2 115.6

166 126.1 89.7 166.7





#48

2-Hexanone

Concen: 109.956 ug/L

RT: 8.072 min Scan# 2186

Delta R.T. 0.003 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 327282

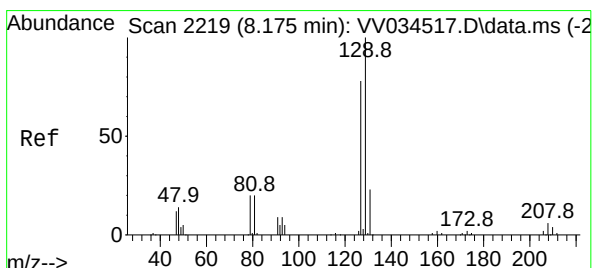
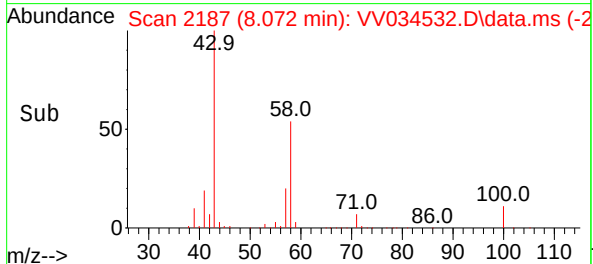
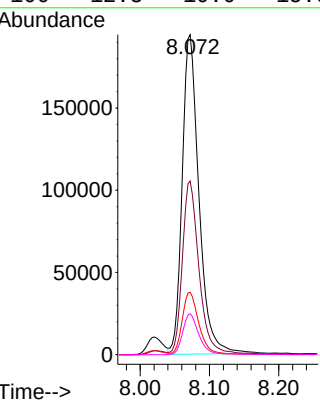
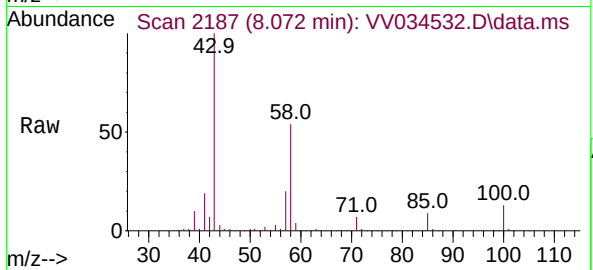
Ion Ratio Lower Upper

43 100

58 53.0 42.0 63.0

57 19.0 15.2 22.8

100 12.3 10.0 15.0



#49

Dibromochloromethane

Concen: 50.867 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. -0.000 min

Lab File: VV034532.D

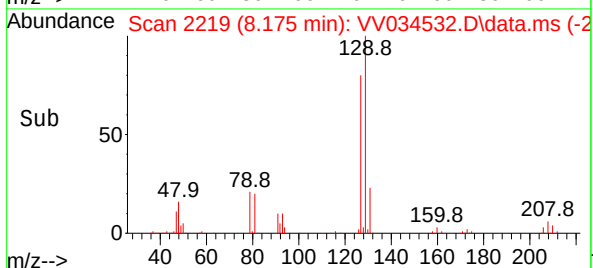
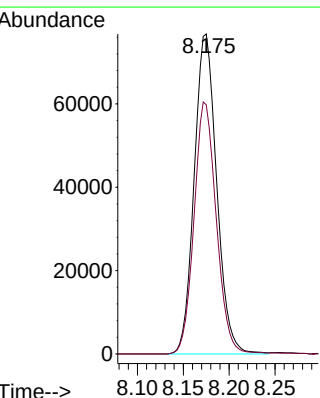
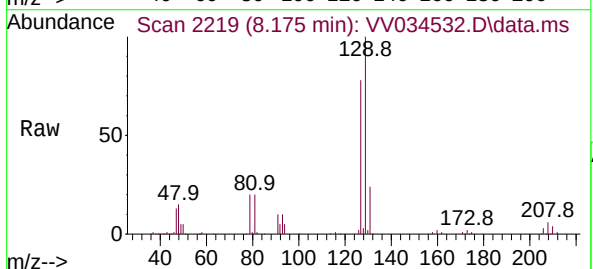
Acq: 11 Mar 2024 09:58

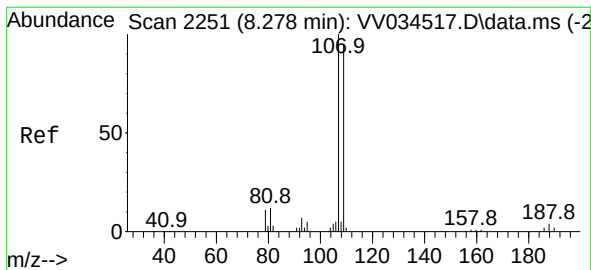
Tgt Ion:129 Resp: 131202

Ion Ratio Lower Upper

129 100

127 77.8 53.3 98.9





#50

1,2-Dibromoethane

Concen: 50.333 ug/L

RT: 8.278 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

ClientSampleId :

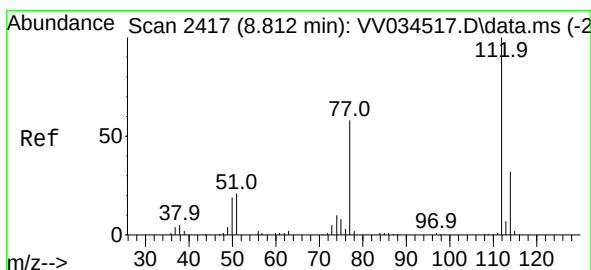
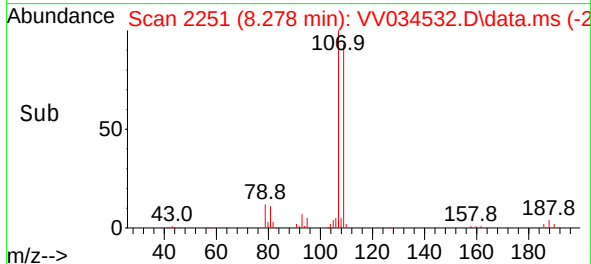
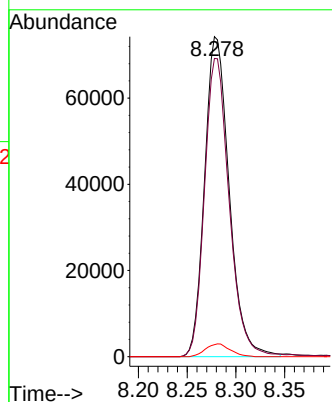
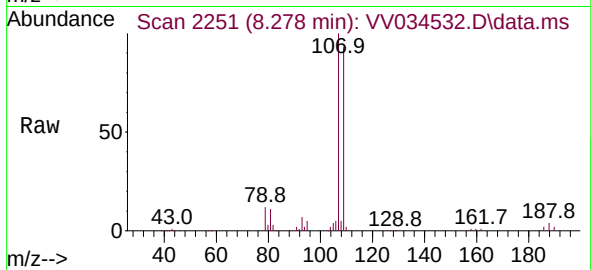
Tgt Ion:107 Resp: 130547

Ion Ratio Lower Upper

107 100

109 93.2 66.5 123.5

188 3.7 3.4 5.2



#51

Chlorobenzene

Concen: 49.216 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.000 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

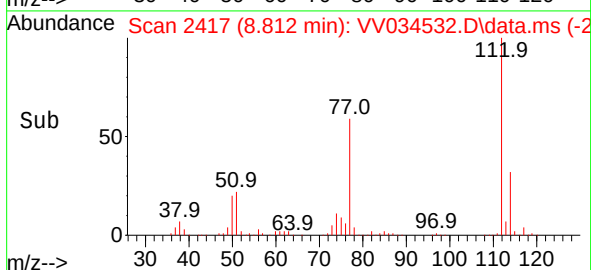
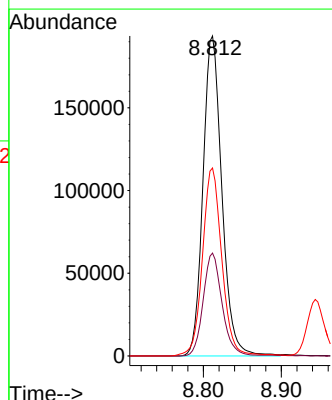
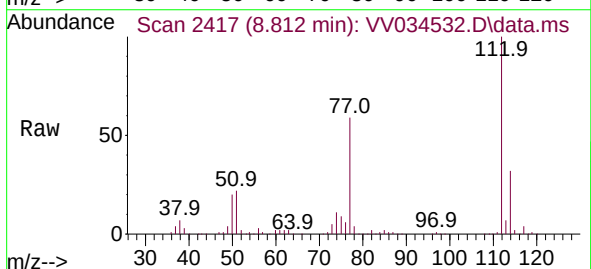
Tgt Ion:112 Resp: 325817

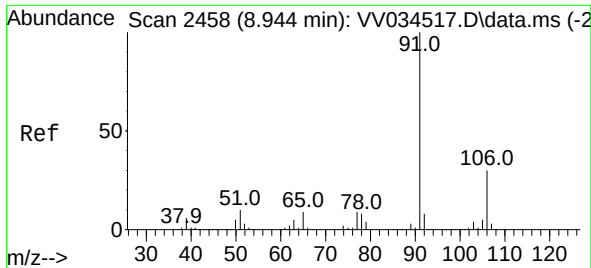
Ion Ratio Lower Upper

112 100

114 32.1 22.3 41.5

77 58.7 47.7 71.5

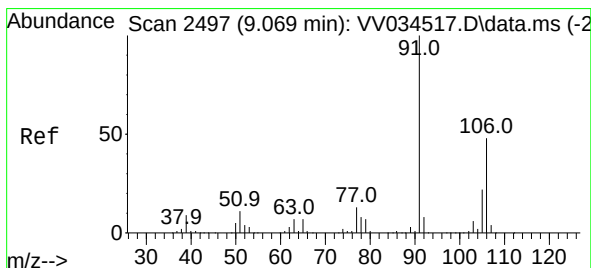
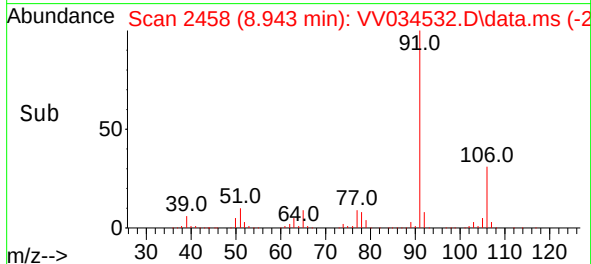
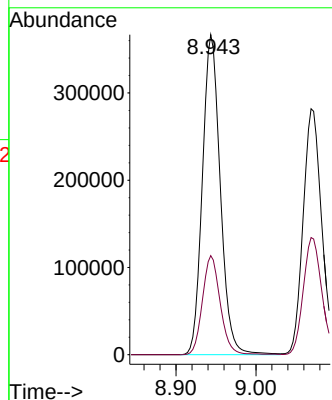
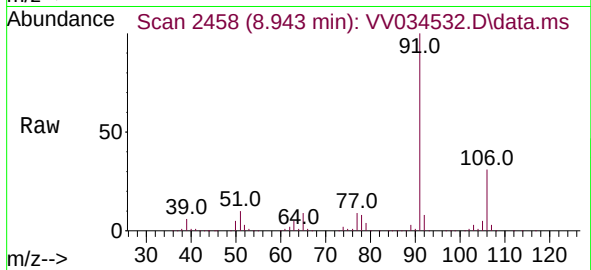




#52
Ethylbenzene
Concen: 49.874 ug/L
RT: 8.943 min Scan# 2458
Delta R.T. -0.000 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58

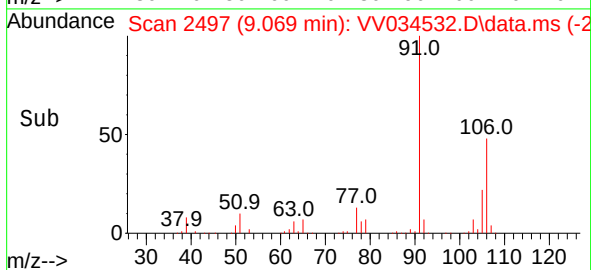
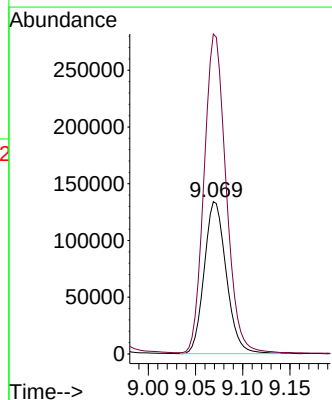
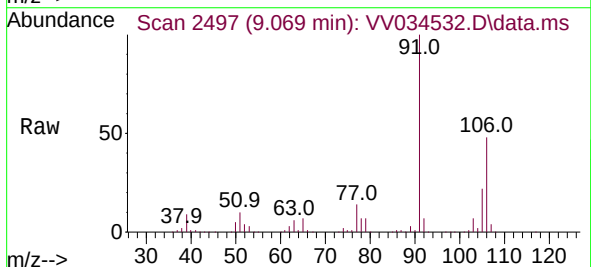
Instrument :
MSVOA_V
ClientSampleId :

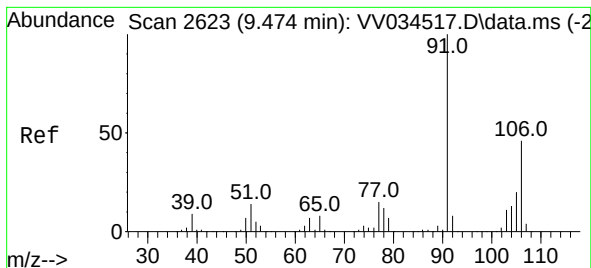
Tgt Ion: 91 Resp: 572267
Ion Ratio Lower Upper
91 100
106 31.0 21.3 39.5



#53
m,p-Xylene
Concen: 49.942 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.000 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58

Tgt Ion: 106 Resp: 217454
Ion Ratio Lower Upper
106 100
91 210.0 145.3 269.9





#54

o-Xylene

Concen: 49.954 ug/L

RT: 9.474 min Scan# 2

Delta R.T. -0.000 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

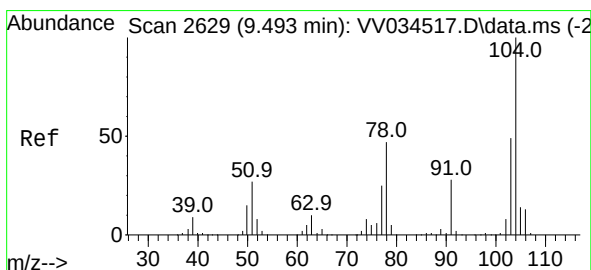
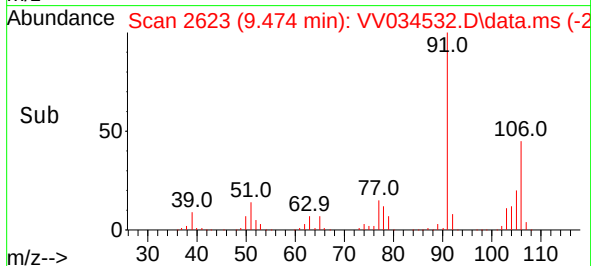
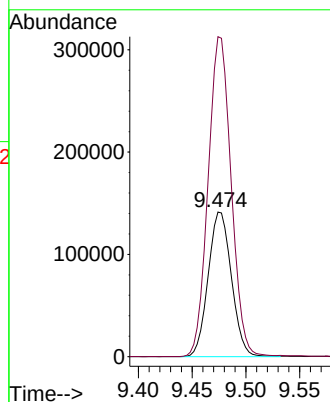
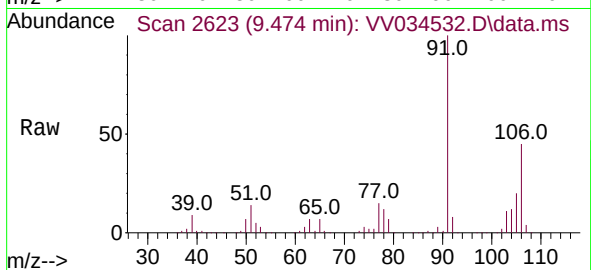
ClientSampleId :

Tgt Ion:106 Resp: 212988

Ion Ratio Lower Upper

106 100

91 221.3 152.2 282.7



#55

Styrene

Concen: 50.426 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. -0.000 min

Lab File: VV034532.D

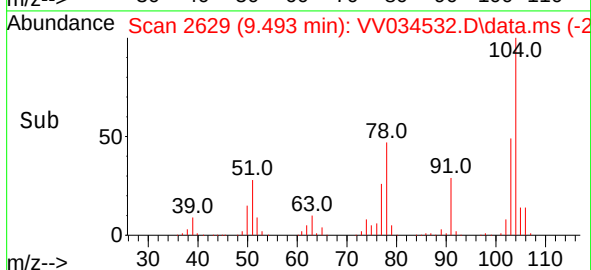
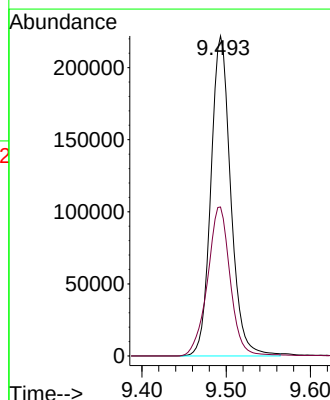
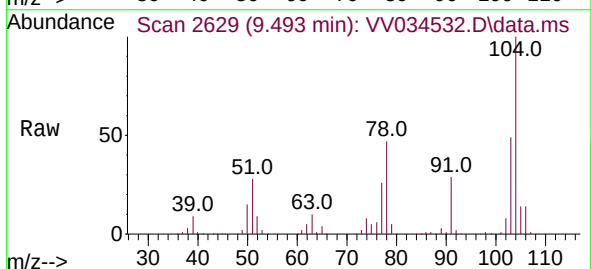
Acq: 11 Mar 2024 09:58

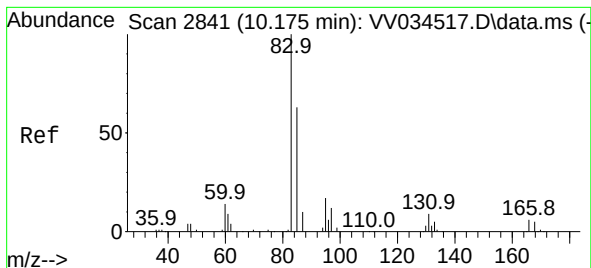
Tgt Ion:104 Resp: 364023

Ion Ratio Lower Upper

104 100

78 46.6 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 47.929 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

ClientSampleId :

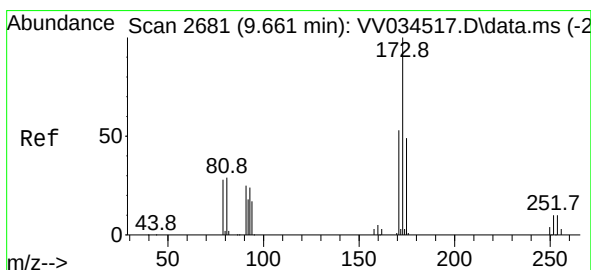
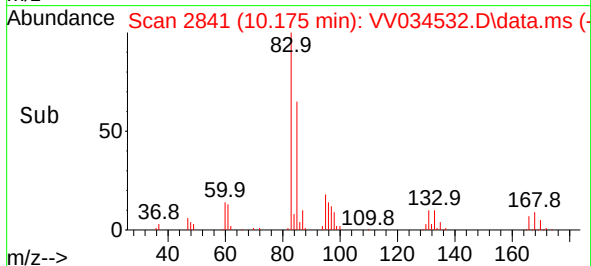
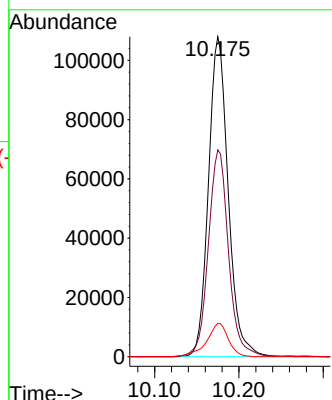
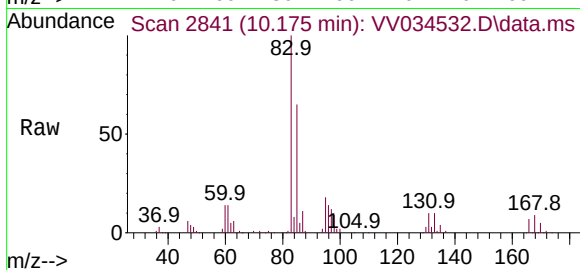
Tgt Ion: 83 Resp: 175952

Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.2

131 10.4 8.3 12.5



#59

Bromoform

Concen: 50.410 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.003 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

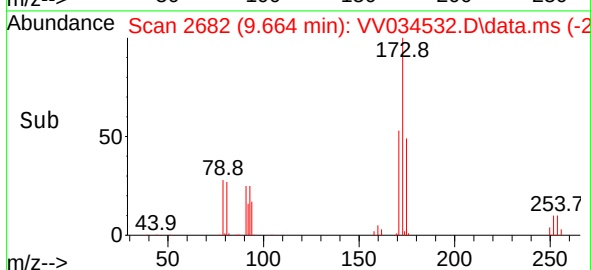
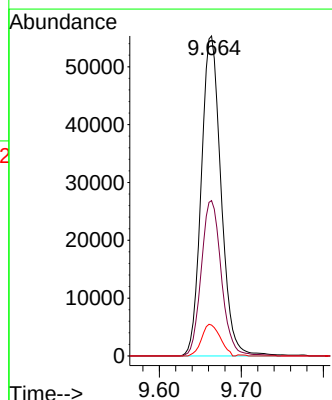
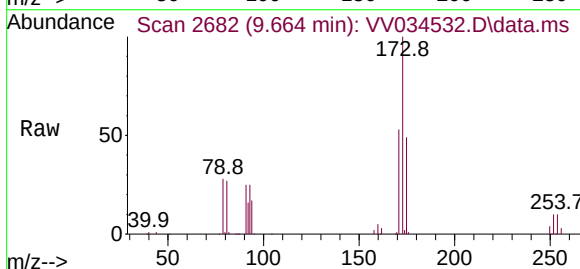
Tgt Ion: 173 Resp: 92569

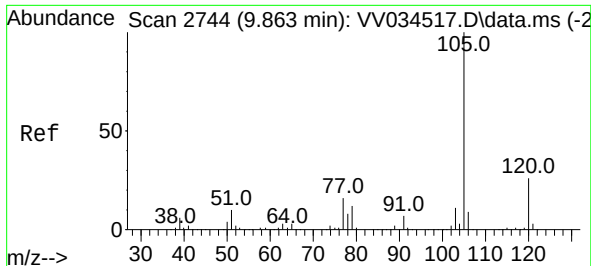
Ion Ratio Lower Upper

173 100

175 49.2 39.1 58.7

254 9.3 7.8 11.8

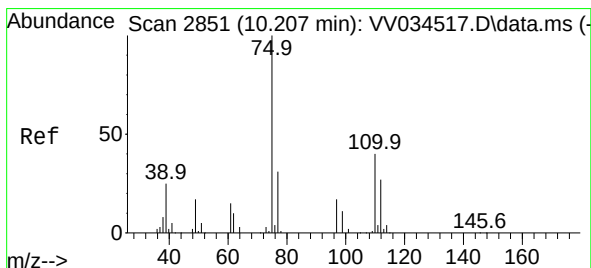
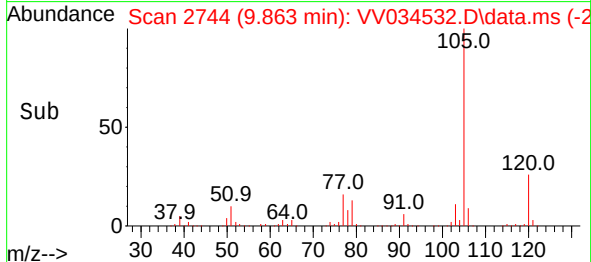
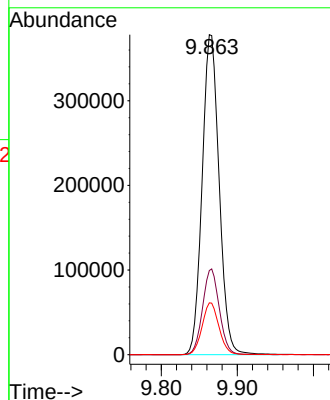
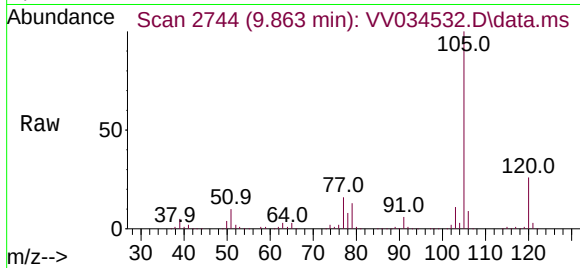




#60
Isopropylbenzene
Concen: 50.201 ug/L
RT: 9.863 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58

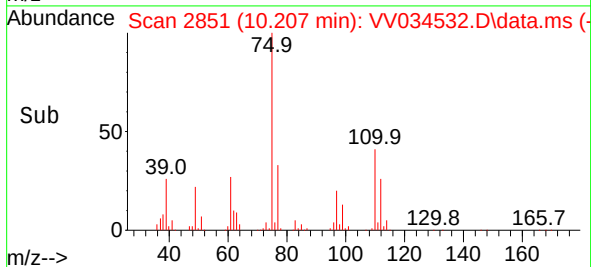
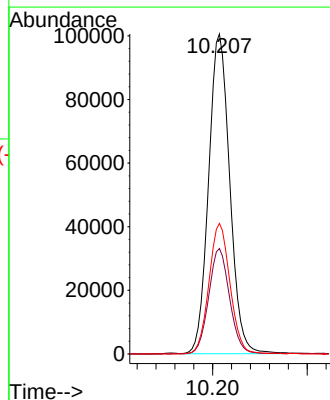
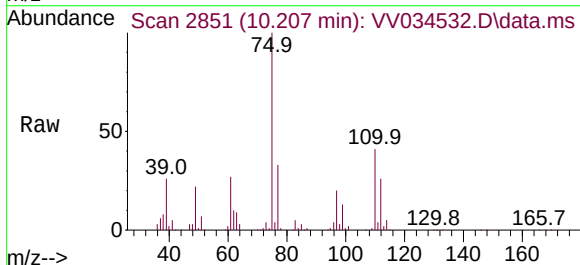
Instrument :
MSVOA_V
ClientSampleId :

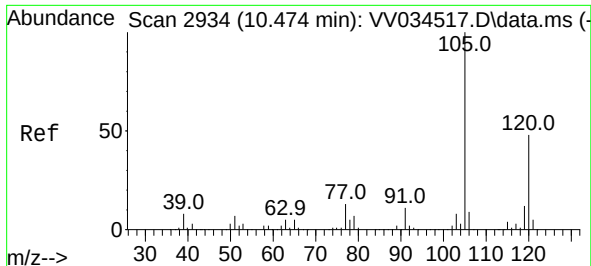
Tgt Ion:105 Resp: 588050
Ion Ratio Lower Upper
105 100
120 26.3 20.8 31.2
77 16.1 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 49.376 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58

Tgt Ion: 75 Resp: 156108
Ion Ratio Lower Upper
75 100
77 32.7 25.9 38.9
110 40.7 33.1 49.7





#62

1,3,5-Trimethylbenzene

Concen: 49.823 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

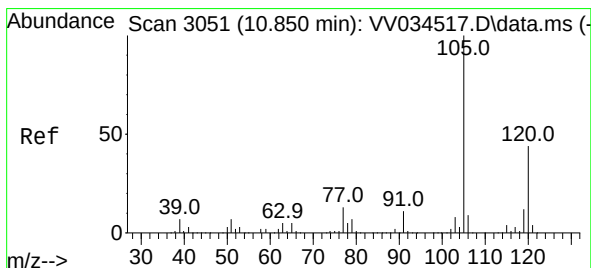
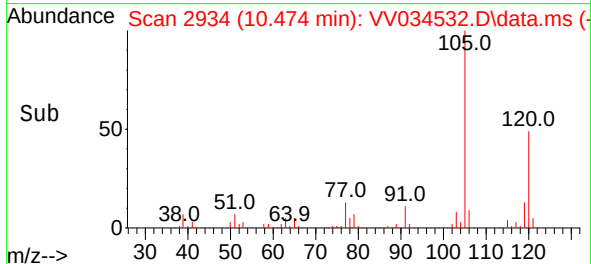
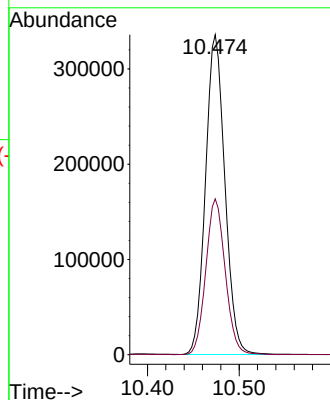
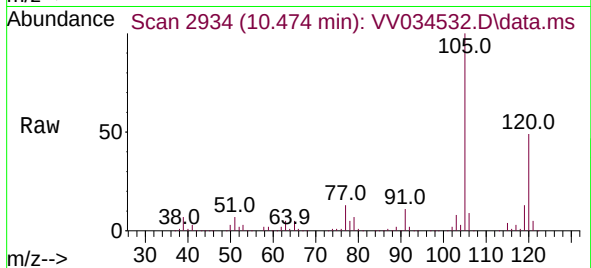
ClientSampleId :

Tgt Ion:105 Resp: 492314

Ion Ratio Lower Upper

105 100

120 48.9 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 50.286 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV034532.D

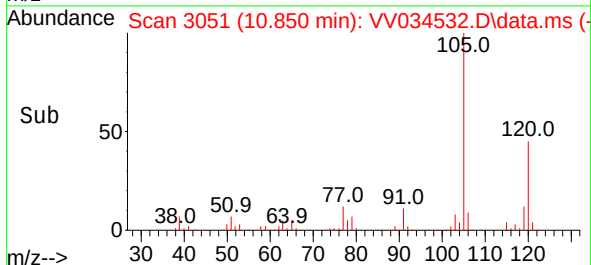
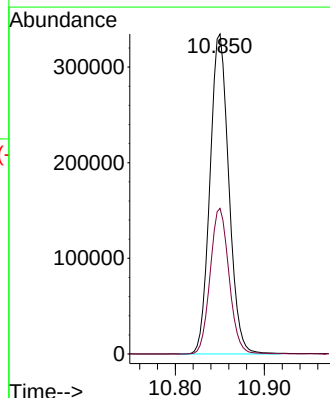
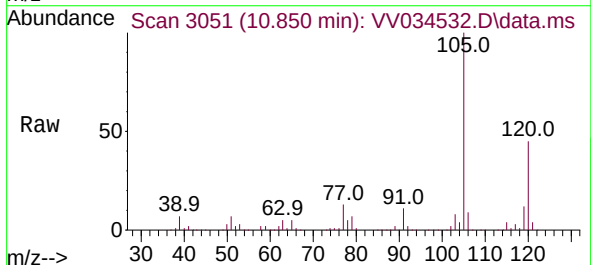
Acq: 11 Mar 2024 09:58

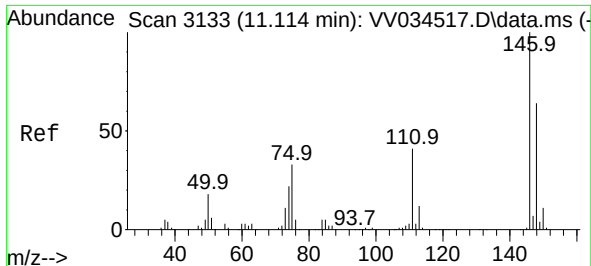
Tgt Ion:105 Resp: 491439

Ion Ratio Lower Upper

105 100

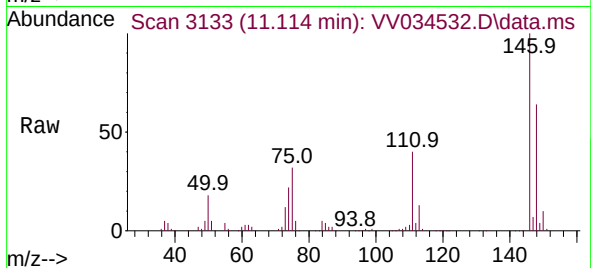
120 45.5 36.2 54.4



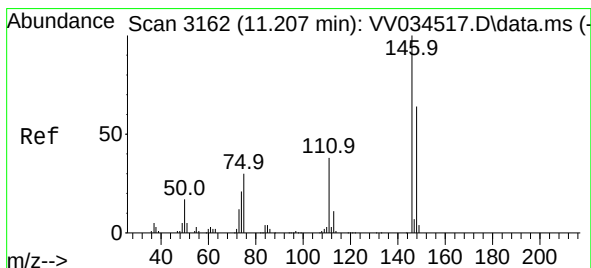
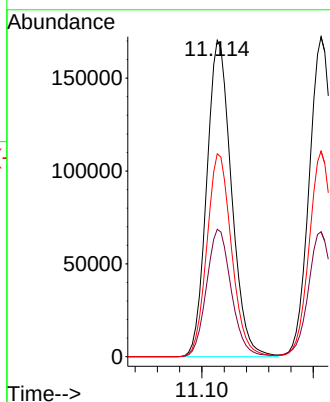
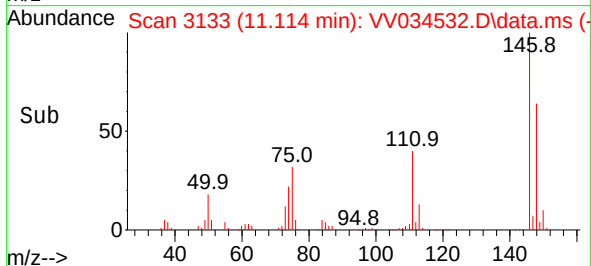


#64
1,3-Dichlorobenzene
Concen: 48.605 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. -0.000 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58

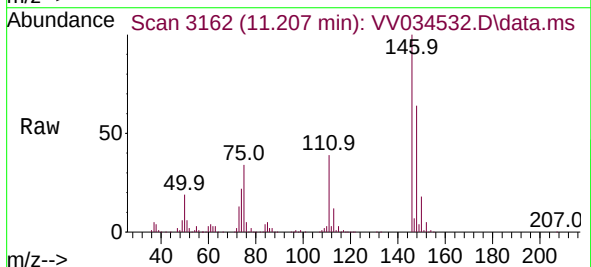
Instrument :
MSVOA_V
ClientSampleId :



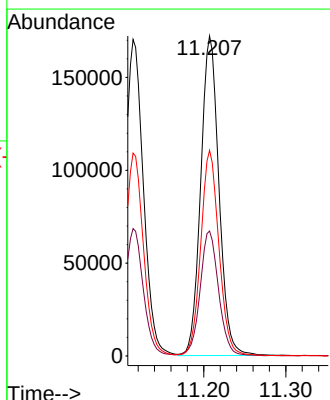
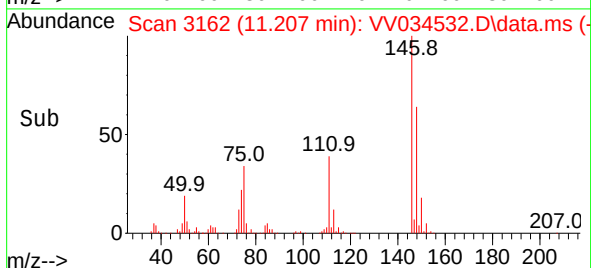
Tgt Ion:146 Resp: 263244
Ion Ratio Lower Upper
146 100
111 40.3 27.9 51.7
148 64.1 44.2 82.0

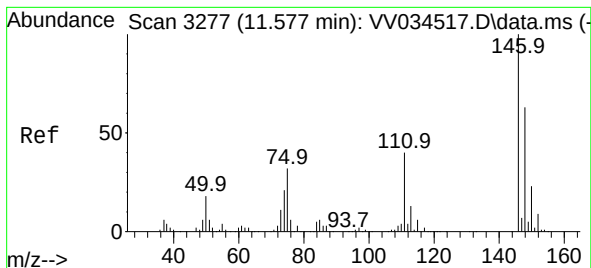


#65
1,4-Dichlorobenzene
Concen: 48.203 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.000 min
Lab File: VV034532.D
Acq: 11 Mar 2024 09:58



Tgt Ion:146 Resp: 265115
Ion Ratio Lower Upper
146 100
111 39.0 26.5 49.1
148 64.2 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 48.328 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

ClientSampleId :

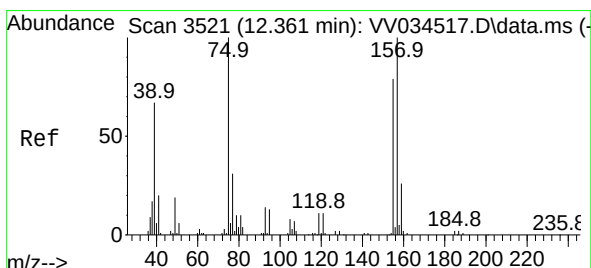
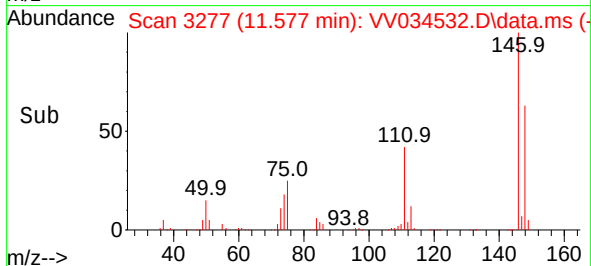
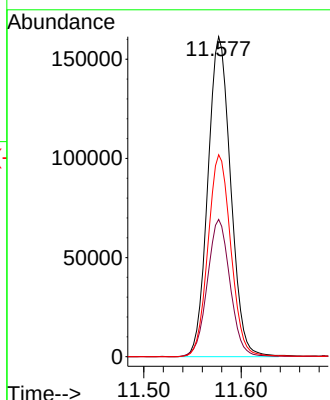
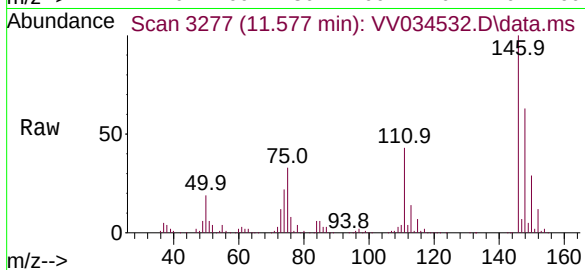
Tgt Ion:146 Resp: 262279

Ion Ratio Lower Upper

146 100

111 42.9 33.8 50.8

148 63.1 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 48.097 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

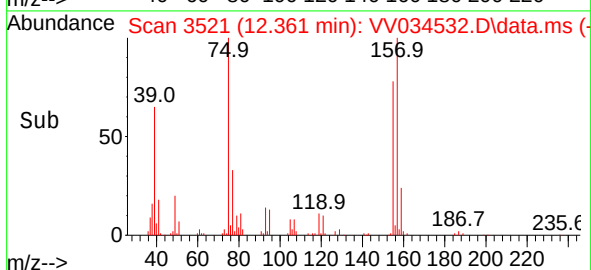
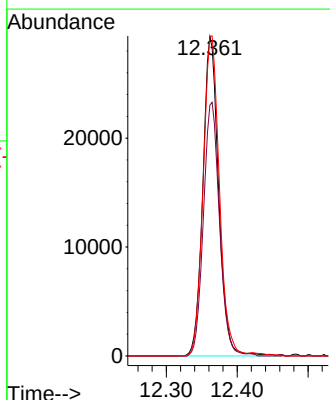
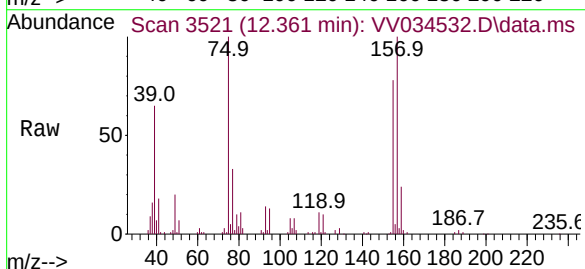
Tgt Ion: 75 Resp: 45297

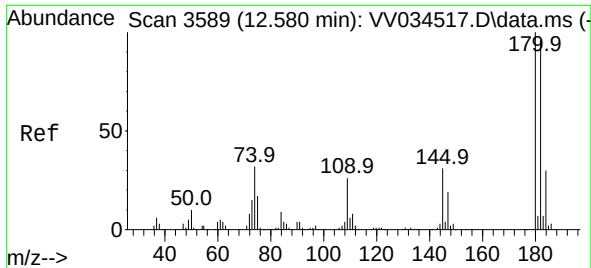
Ion Ratio Lower Upper

75 100

155 78.6 63.3 94.9

157 100.2 81.4 122.0





#69

1,3,5-Trichlorobenzene

Concen: 47.213 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

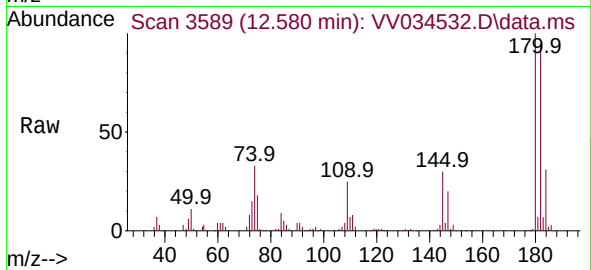
Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 191830

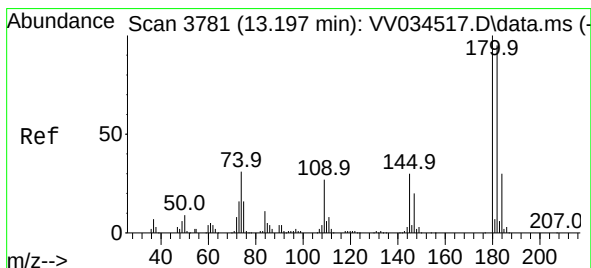
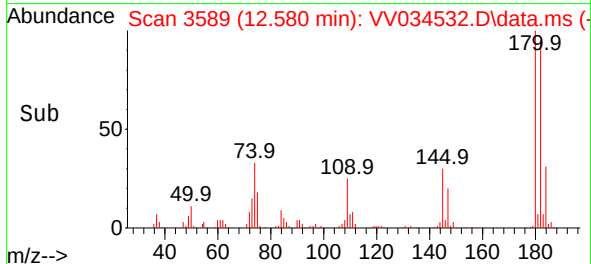
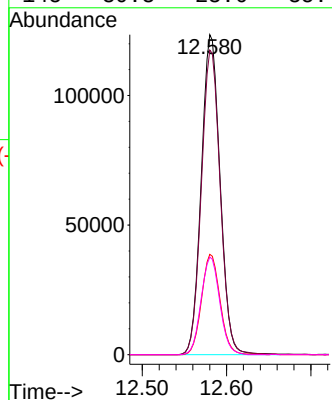
Ion Ratio Lower Upper

180 100

182 95.9 74.6 112.0

184 30.9 23.6 35.4

145 30.3 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 47.882 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

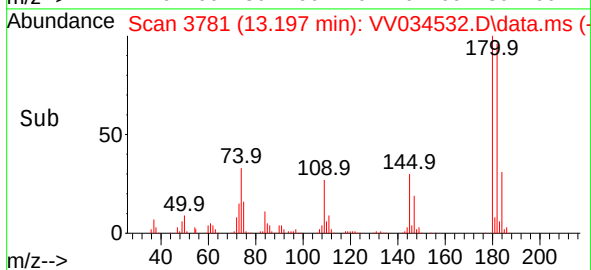
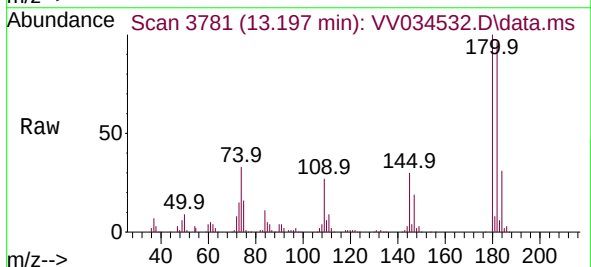
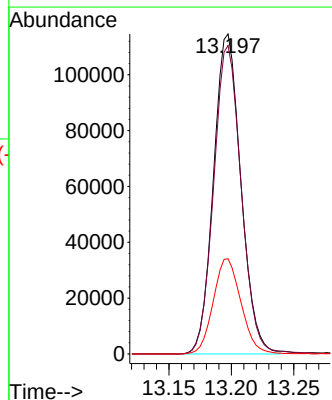
Tgt Ion:180 Resp: 175056

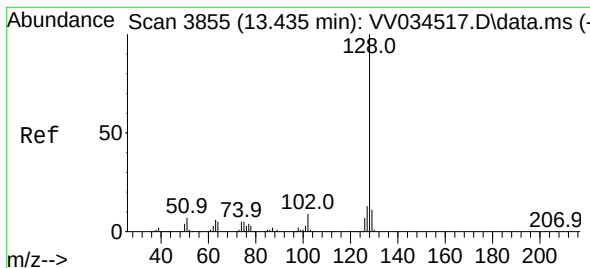
Ion Ratio Lower Upper

180 100

182 97.2 74.8 112.2

145 30.2 24.2 36.4





#71

Naphthalene

Concen: 47.479 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min MSVOA_V

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Instrument :

MSVOA_V

ClientSampleId :

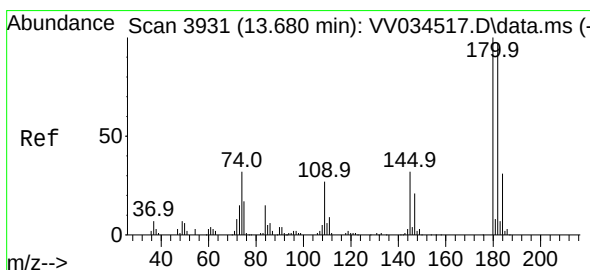
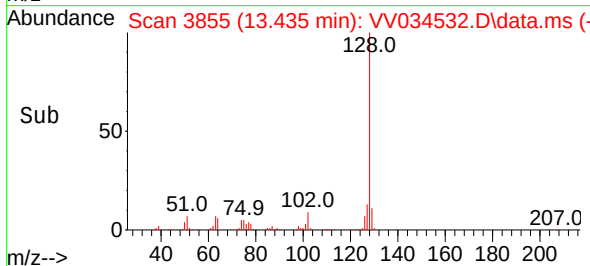
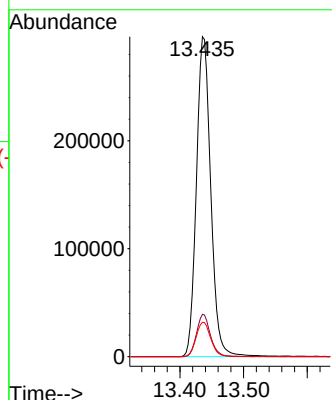
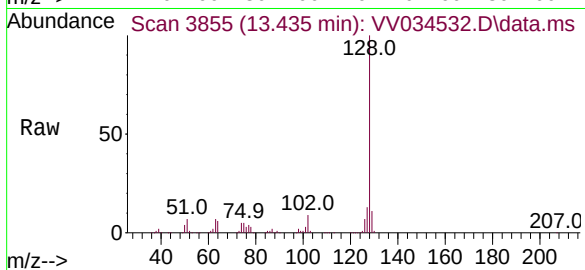
Tgt Ion:128 Resp: 464321

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 49.416 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV034532.D

Acq: 11 Mar 2024 09:58

Tgt Ion:180 Resp: 176245

Ion Ratio Lower Upper

180 100

182 95.0 75.9 113.9

145 32.4 25.5 38.3

