

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW020625\
 Data File : VW038632.D
 Acq On : 06 Feb 2025 14:53
 Operator : SY/MD
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 11 11:48:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020625WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 11 11:28:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	160799	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	164570	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	74786	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	8662	0.62	ug/L	0.00
7) Chloroethane-d5	1.529	69	6775	0.59	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	3773	0.61	ug/L	0.00
20) 2-Butanone-d5	3.892	46	3656	1.31	ug/L	0.09
24) Chloroform-d	4.249	84	13178	0.52	ug/L	0.01
26) 1,2-Dichloroethane-d4	4.957	65	5128	0.45	ug/L	0.02
32) Benzene-d6	4.966	84	21677	0.46	ug/L	0.02
36) 1,2-Dichloropropane-d6	5.995	67	6133	0.44	ug/L	0.02
41) Toluene-d8	7.246	98	16884	0.40	ug/L	0.01
43) trans-1,3-Dichloroprop...	7.574	79	2184	0.43	ug/L	0.03
46) 2-Hexanone-d5	8.050	63	5897	2.98	ug/L	0.03
56) 1,1,2,2-Tetrachloroeth...	10.153	84	6042	0.54	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	6467	0.50	ug/L	0.00
Target Compounds						
2) Dichlorodifluoromethane	1.105	85	10921	0.61	ug/L	99
3) Chloromethane	1.214	50	9499	0.52	ug/L	93
5) Vinyl chloride	1.282	62	10553	0.57	ug/L	94
6) Bromomethane	1.487	94	3929	0.43	ug/L	99
8) Chloroethane	1.548	64	6724	0.60	ug/L	94
9) Trichlorofluoromethane	1.712	101	13701	0.58	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	7610	0.57	ug/L	96
12) 1,1-Dichloroethene	2.066	96	7485	0.56	ug/L	98
13) Acetone	2.156	43	9216	4.29	ug/L	47
14) Carbon disulfide	2.236	76	23756	0.53	ug/L	98
15) Methyl Acetate	2.397	43	863	0.16	ug/L	95
16) Methylene chloride	2.445	84	9472	0.64	ug/L	93
17) Methyl tert-butyl Ether	2.706	73	13771	0.50	ug/L	98
18) trans-1,2-Dichloroethene	2.693	96	6883	0.50	ug/L	96
19) 1,1-Dichloroethane	3.111	63	14107	0.54	ug/L	92
21) 2-Butanone	3.834	43	190	0.06	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	6888	0.50	ug/L	96
23) Bromochloromethane	4.153	128	3848	0.61	ug/L #	60
25) Chloroform	4.278	83	13491	0.52	ug/L	98
27) 1,2-Dichloroethane	5.056	62	4345	0.30	ug/L	99
29) 1,1,1-Trichloroethane	4.506	97	12503	0.57	ug/L	97
30) Cyclohexane	4.574	56	9495	0.48	ug/L	98
31) Carbon tetrachloride	4.728	117	11044	0.57	ug/L	98
33) Benzene	5.014	78	23882	0.46	ug/L	100
34) Trichloroethene	5.844	95	6571	0.49	ug/L	94
35) Methylcyclohexane	6.040	83	10827	0.53	ug/L	91
37) 1,2-Dichloropropane	6.095	63	6218	0.47	ug/L #	89
38) Bromodichloromethane	6.436	83	9875	0.56	ug/L	94
39) cis-1,3-Dichloropropene	6.973	75	7410	0.40	ug/L	88
40) 4-Methyl-2-pentanone	7.165	43	27201	3.93	ug/L	98
42) Toluene	7.317	91	24474	0.45	ug/L	97
44) trans-1,3-Dichloropropene	7.600	75	6272	0.40	ug/L	95

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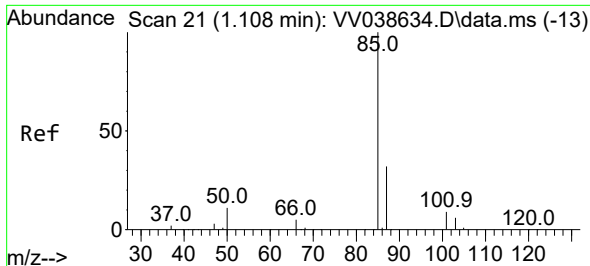
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 11 11:48:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020625WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 11 11:28:39 2025
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	7.773	97	5268	0.54	ug/L	91
47) Tetrachloroethene	7.905	164	5445	0.52	ug/L	95
48) 2-Hexanone	8.098	43	19553	3.94	ug/L #	76
49) Dibromochloromethane	8.175	129	5842	0.53	ug/L	86
50) 1,2-Dibromoethane	8.291	107	4859	0.54	ug/L #	94
51) Chlorobenzene	8.812	112	18454	0.51	ug/L	91
52) Ethylbenzene	8.947	91	26459	0.45	ug/L	96
53) m,p-Xylene	9.075	106	8810	0.40	ug/L	99
54) o-Xylene	9.477	106	9117	0.43	ug/L	93
55) Styrene	9.503	104	13117	0.36	ug/L	87
57) 1,1,2,2-Tetrachloroethane	10.175	83	6655	0.56	ug/L	93
59) Bromoform	9.664	173	2504	0.49	ug/L #	95
60) Isopropylbenzene	9.860	105	21637	0.43	ug/L #	95
61) 1,2,3-Trichloropropane	10.214	75	4485	0.63	ug/L	95
62) 1,3,5-Trimethylbenzene	10.471	105	18103	0.47	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	16935	0.44	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	12276	0.50	ug/L	96
65) 1,4-Dichlorobenzene	11.204	146	12914	0.51	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	11912	0.52	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	370	0.26	ug/L #	85
69) 1,3,5-Trichlorobenzene	12.580	180	8567	0.51	ug/L	96
70) 1,2,4-trichlorobenzene	13.201	180	5217	0.42	ug/L #	85
71) Naphthalene	13.448	128	6785	0.36	ug/L #	92
72) 1,2,3-Trichlorobenzene	13.677	180	5277	0.49	ug/L #	91

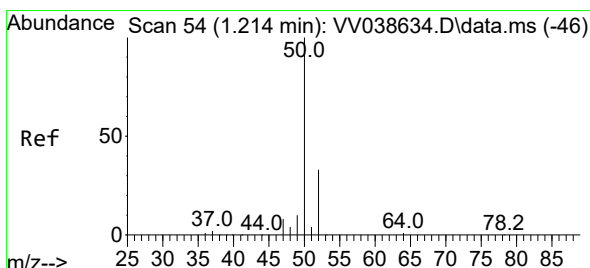
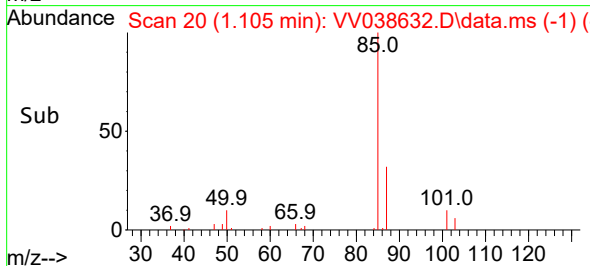
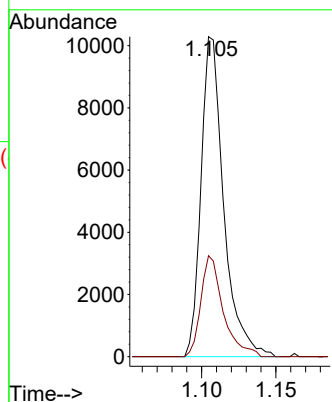
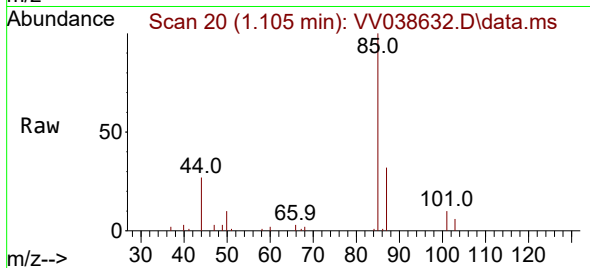
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 0.61 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.003 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

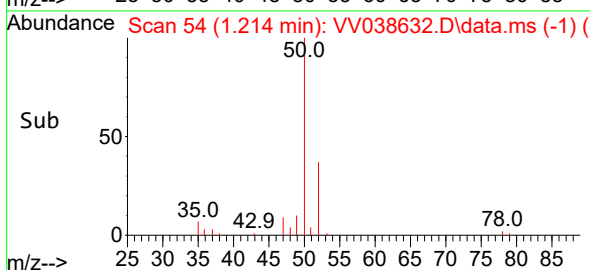
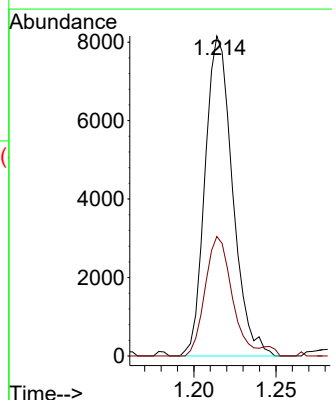
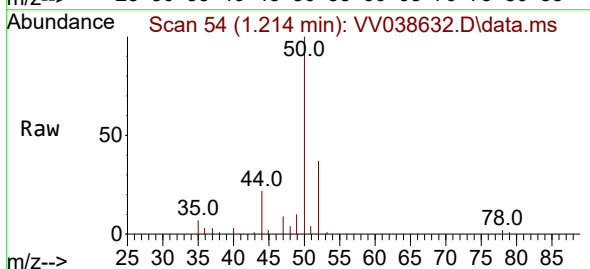
Instrument :
MSVOA_V
ClientSampleId :

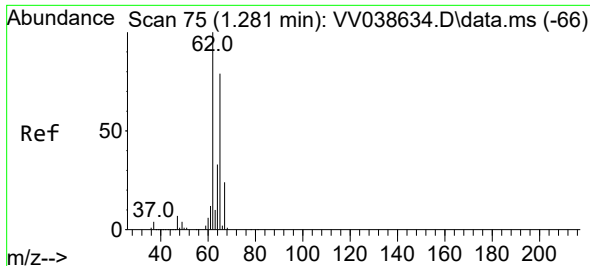
Tgt Ion: 85 Resp: 10921
Ion Ratio Lower Upper
85 100
87 31.1 25.5 38.3



#3
Chloromethane
Concen: 0.52 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

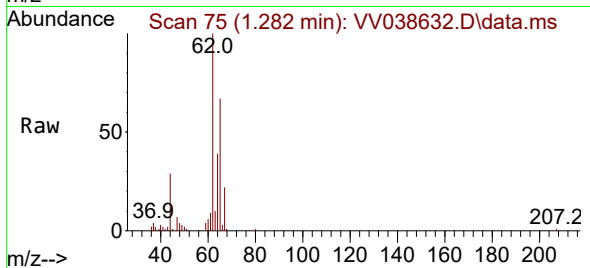
Tgt Ion: 50 Resp: 9499
Ion Ratio Lower Upper
50 100
52 37.4 23.2 43.2



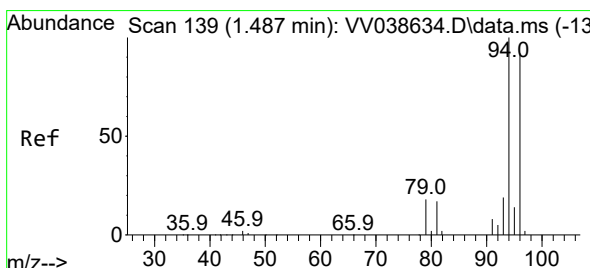
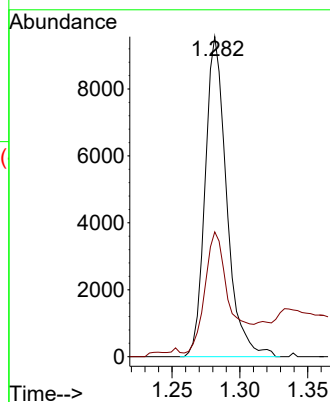
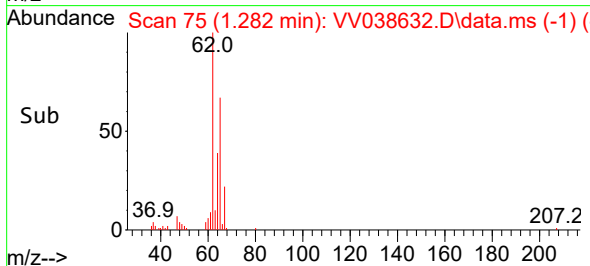


#5
 Vinyl chloride
 Concen: 0.57 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV038632.D
 Acq: 06 Feb 2025 14:53

Instrument :
 MSVOA_V
 ClientSampleId :

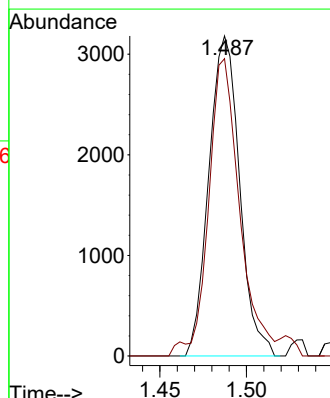
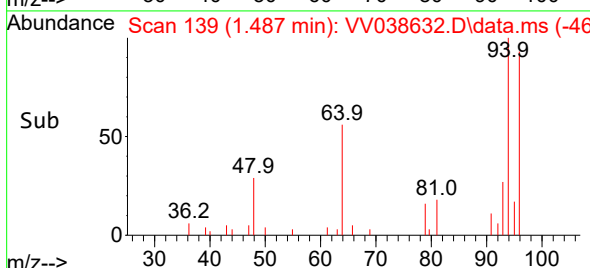
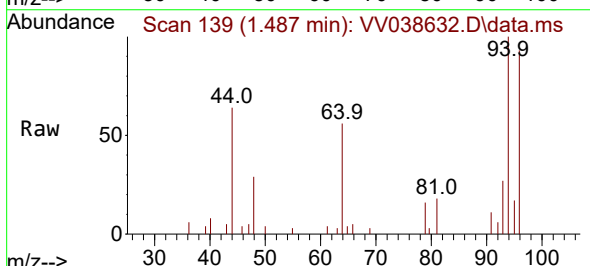


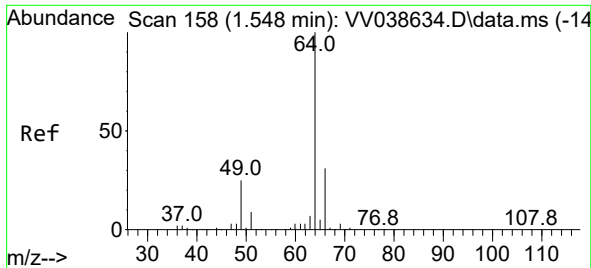
Tgt Ion: 62 Resp: 10553
 Ion Ratio Lower Upper
 62 100
 64 39.0 25.0 46.4



#6
 Bromomethane
 Concen: 0.43 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV038632.D
 Acq: 06 Feb 2025 14:53

Tgt Ion: 94 Resp: 3929
 Ion Ratio Lower Upper
 94 100
 96 92.9 64.3 119.3

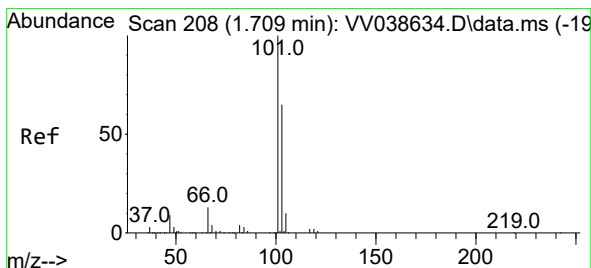
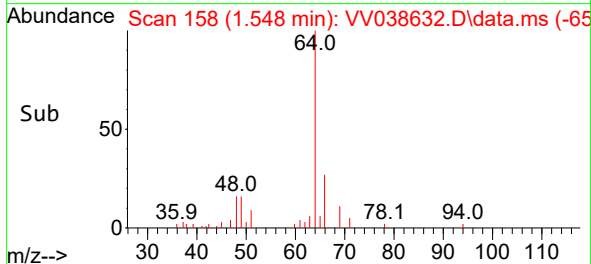
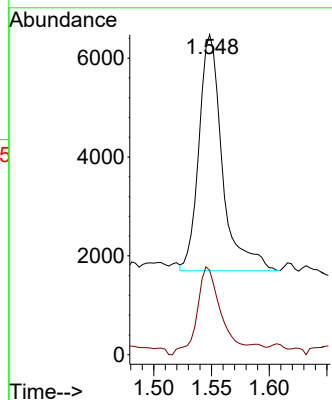
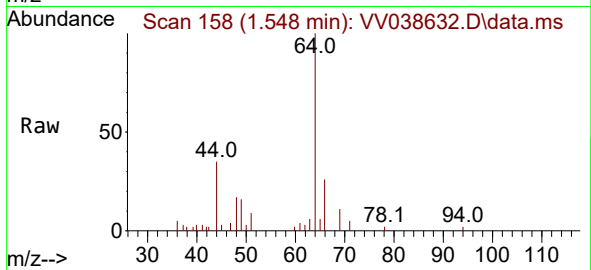




#8
Chloroethane
Concen: 0.60 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

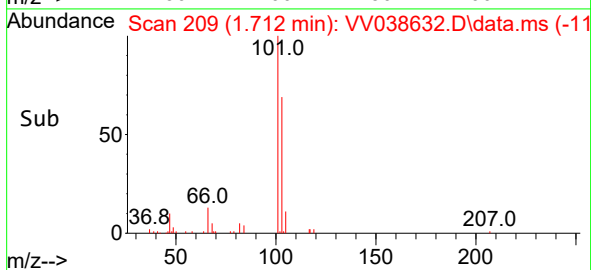
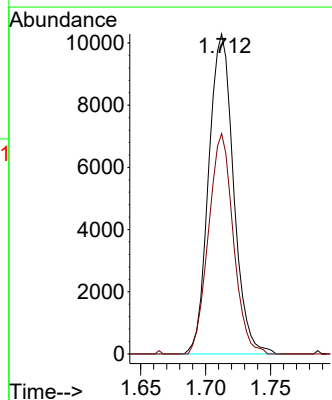
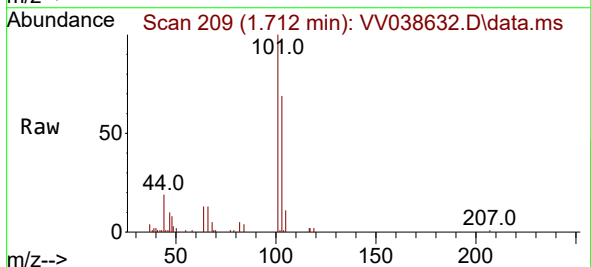
Instrument :
MSVOA_V
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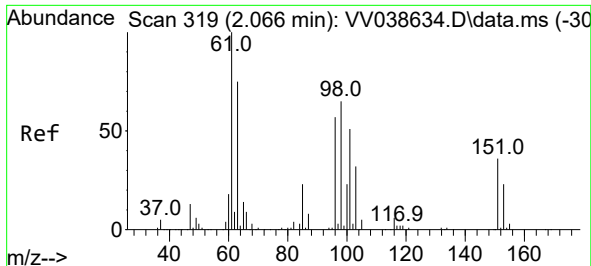
Tgt Ion: 64 Resp: 6724
Ion Ratio Lower Upper
64 100
66 26.4 20.9 38.7



#9
Trichlorofluoromethane
Concen: 0.58 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.003 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

Tgt Ion:101 Resp: 13701
Ion Ratio Lower Upper
101 100
103 68.5 52.4 78.6





#10

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

Concen: 0.57 ug/L

RT: 2.063 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

Instrument :

MSVOA_V

ClientSampleId :

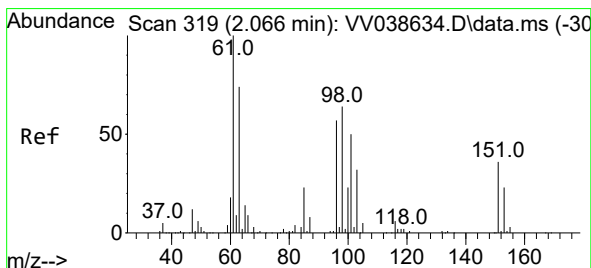
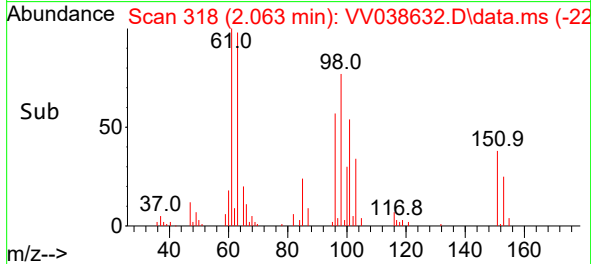
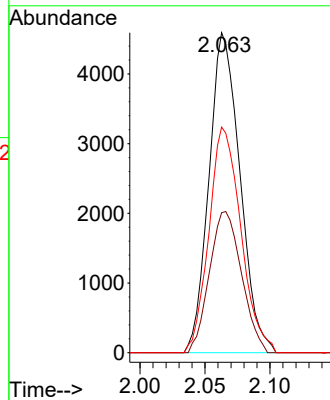
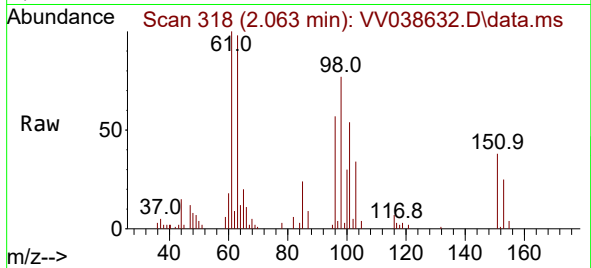
Tgt Ion:101 Resp: 7610

Ion Ratio Lower Upper

101 100

85 45.7 35.0 52.4

151 72.7 55.1 82.7



#12

1,1-Dichloroethene

Concen: 0.56 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.000 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

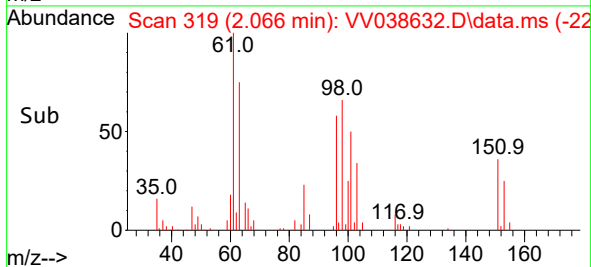
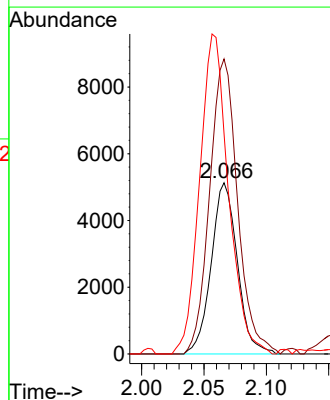
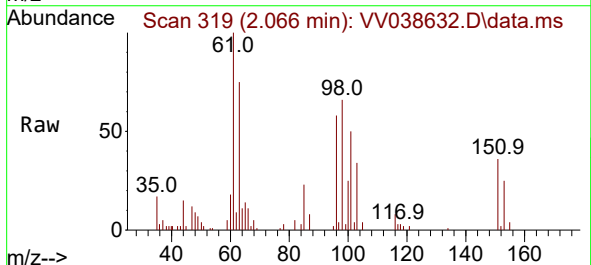
Tgt Ion: 96 Resp: 7485

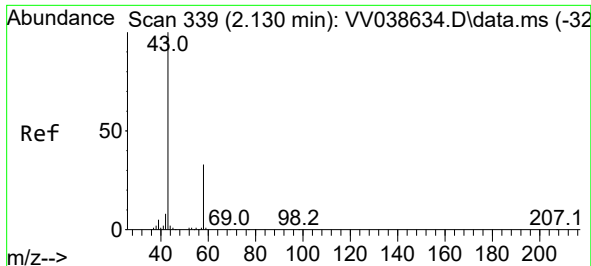
Ion Ratio Lower Upper

96 100

61 172.3 122.8 228.1

63 128.7 92.0 170.8

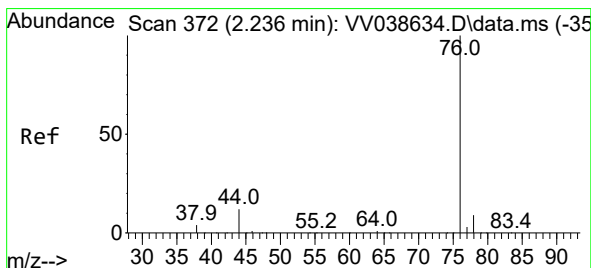
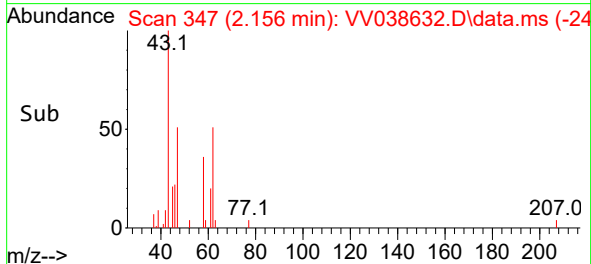
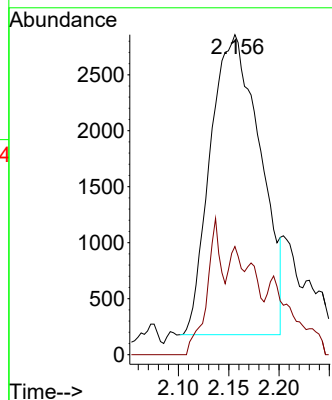
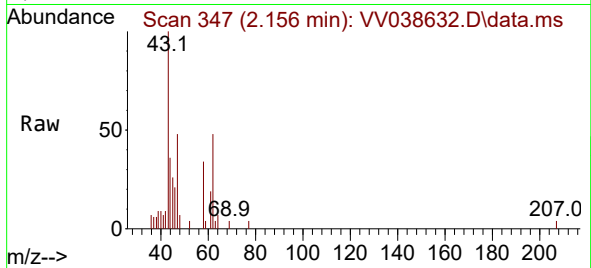




#13
Acetone
Concen: 4.29 ug/L
RT: 2.156 min Scan# 34
Delta R.T. 0.026 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

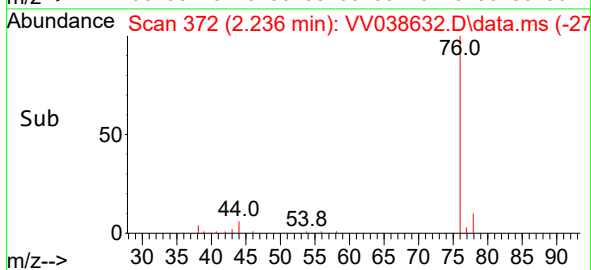
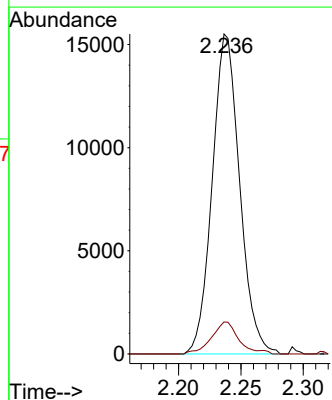
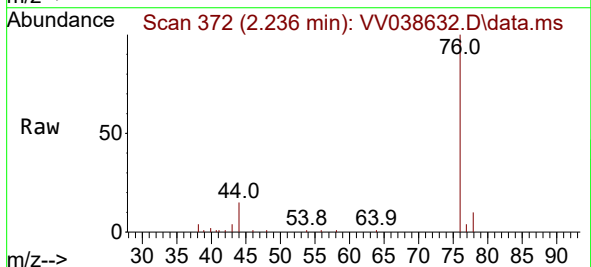
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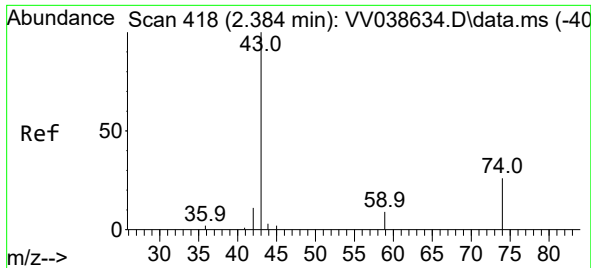
Tgt Ion: 43 Resp: 9216
Ion Ratio Lower Upper
43 100
58 3.3 0.0 67.4



#14
Carbon disulfide
Concen: 0.53 ug/L
RT: 2.236 min Scan# 372
Delta R.T. 0.000 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

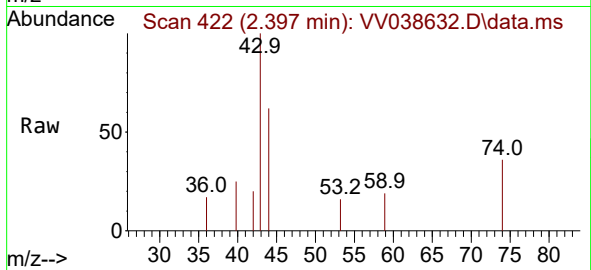
Tgt Ion: 76 Resp: 23756
Ion Ratio Lower Upper
76 100
78 10.0 7.5 11.3



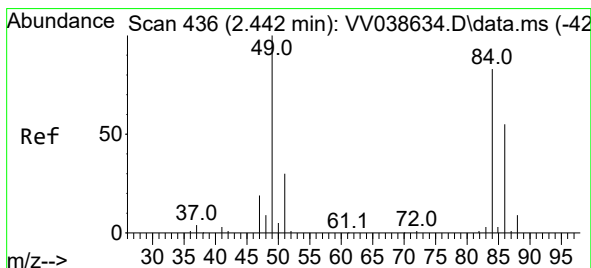
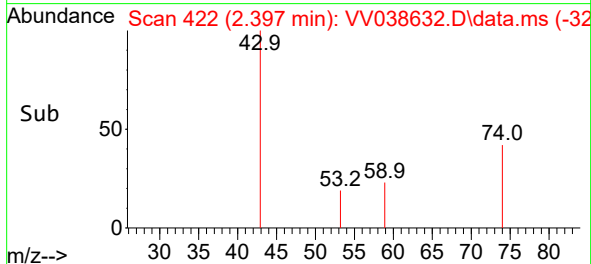
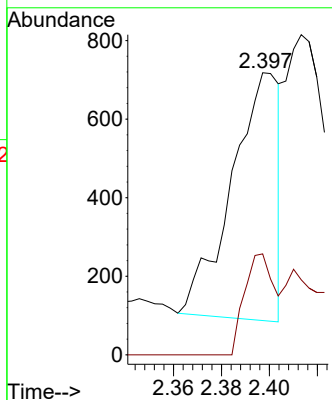


#15
Methyl Acetate
Concen: 0.16 ug/L
RT: 2.397 min Scan# 418
Delta R.T. 0.013 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

Instrument :
MSVOA_V
ClientSampleId :

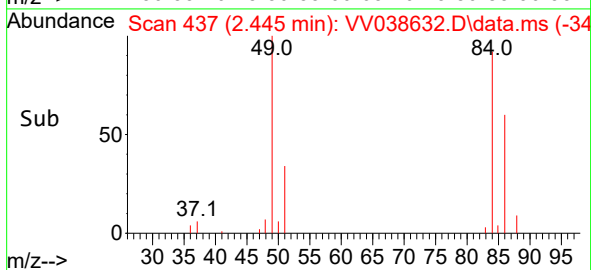
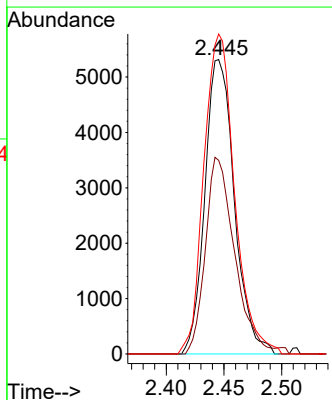
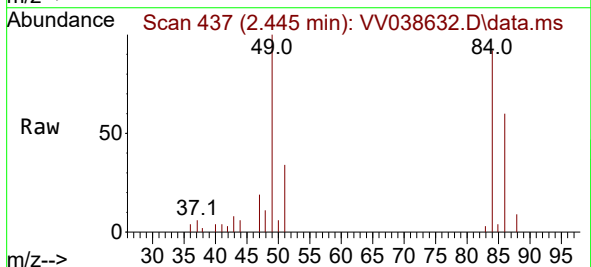


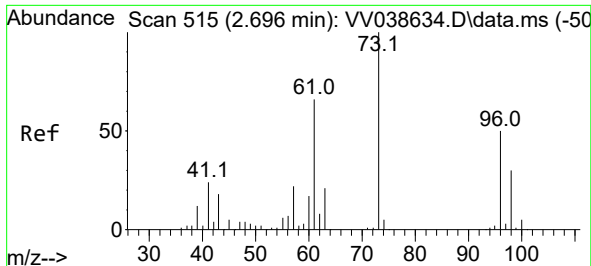
Tgt Ion: 43 Resp: 863
Ion Ratio Lower Upper
43 100
74 25.7 18.6 27.8



#16
Methylene chloride
Concen: 0.64 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.003 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

Tgt Ion: 84 Resp: 9472
Ion Ratio Lower Upper
84 100
86 65.7 46.0 85.4
49 108.7 83.9 155.9





#17

Methyl tert-butyl Ether

Concen: 0.50 ug/L

RT: 2.706 min Scan# 51

Delta R.T. 0.010 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

Instrument :

MSVOA_V

ClientSampleId :

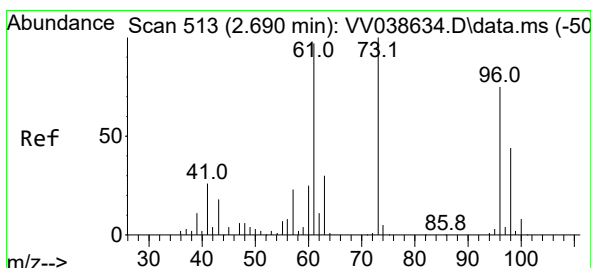
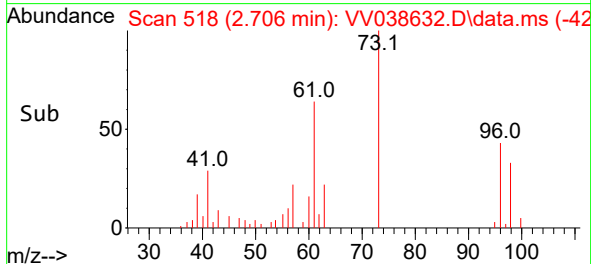
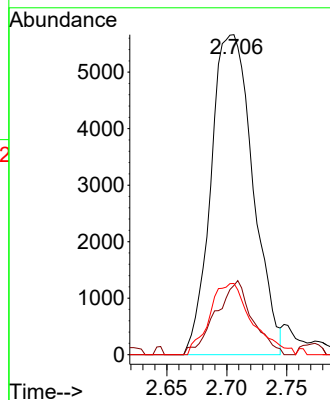
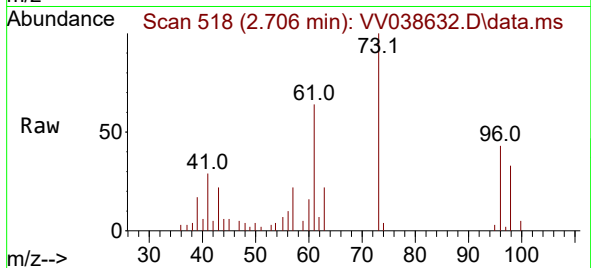
Tgt Ion: 73 Resp: 13771

Ion Ratio Lower Upper

73 100

43 20.1 14.6 22.0

57 22.5 18.2 27.2



#18

trans-1,2-Dichloroethene

Concen: 0.50 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.003 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

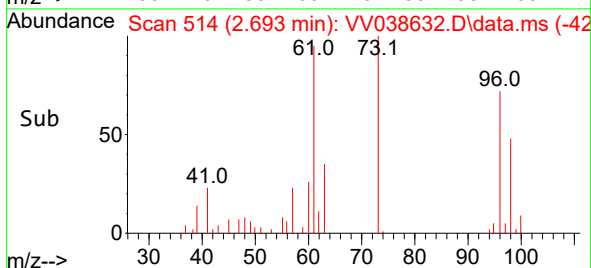
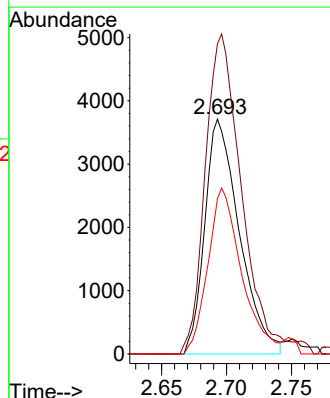
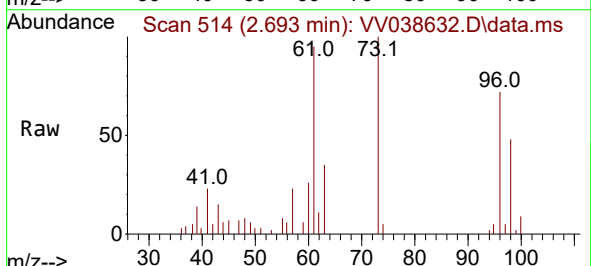
Tgt Ion: 96 Resp: 6883

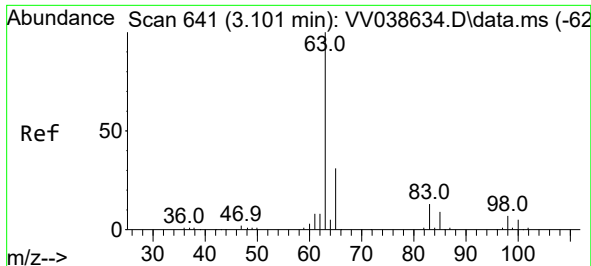
Ion Ratio Lower Upper

96 100

61 132.1 91.4 169.8

98 66.1 41.6 77.2





#19

1,1-Dichloroethane

Concen: 0.54 ug/L

RT: 3.111 min Scan# 641

Delta R.T. 0.010 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

Instrument :

MSVOA_V

ClientSampleId :

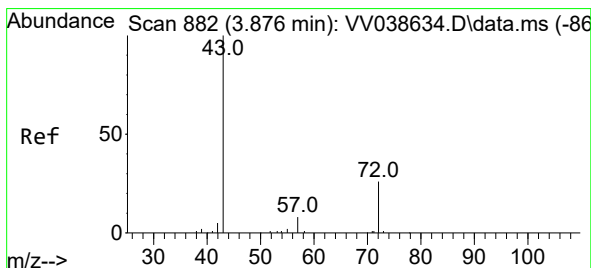
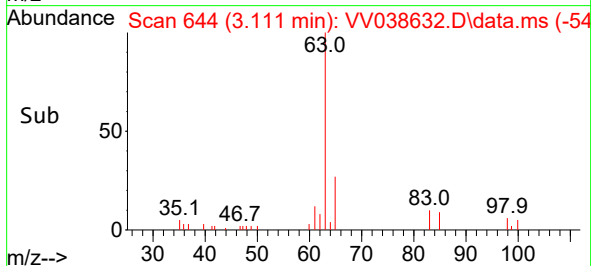
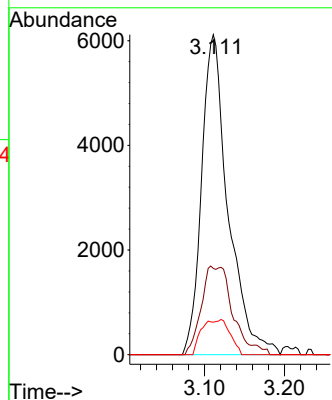
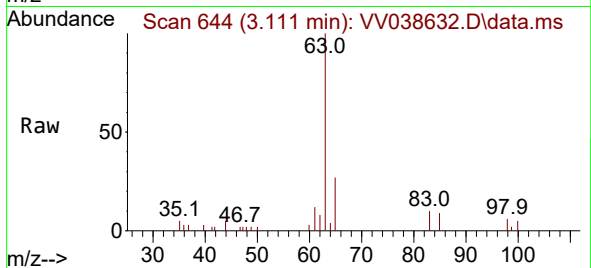
Tgt Ion: 63 Resp: 14107

Ion Ratio Lower Upper

63 100

65 26.9 21.8 40.4

83 10.2 9.2 17.2



#21

2-Butanone

Concen: 0.06 ug/L

RT: 3.834 min Scan# 869

Delta R.T. -0.042 min

Lab File: VV038632.D

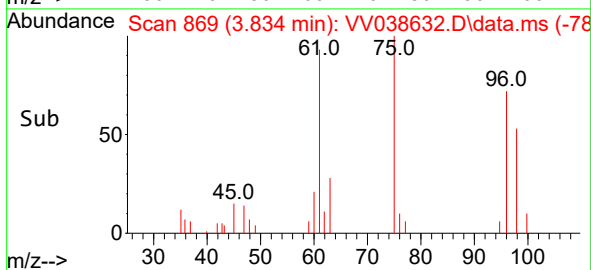
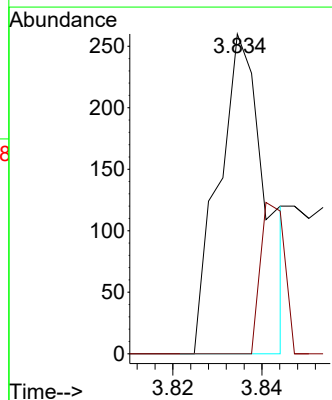
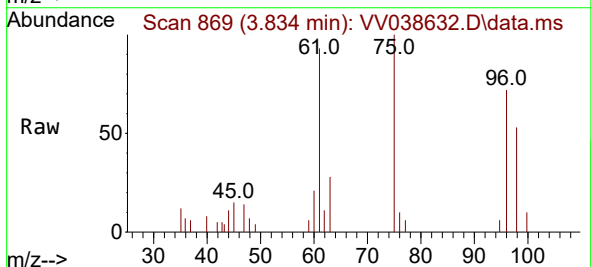
Acq: 06 Feb 2025 14:53

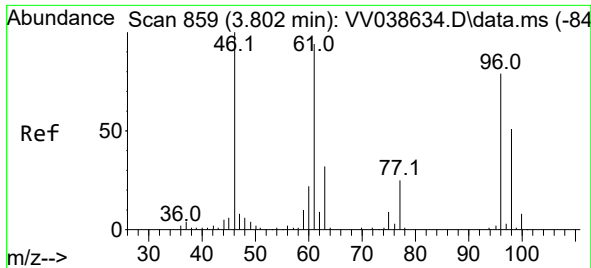
Tgt Ion: 43 Resp: 190

Ion Ratio Lower Upper

43 100

72 24.2 11.9 35.5

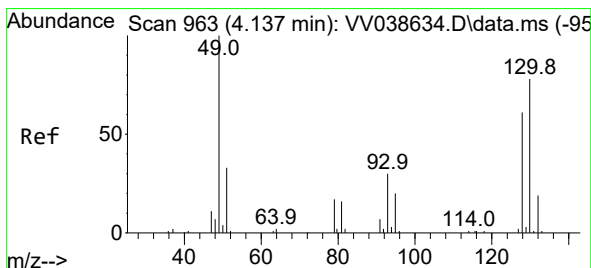
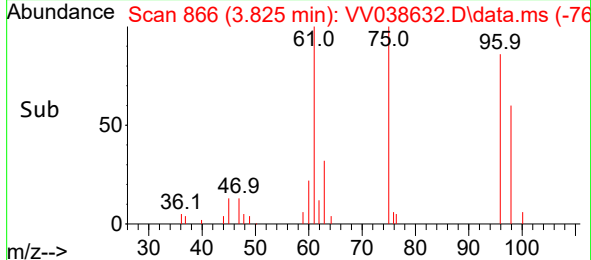
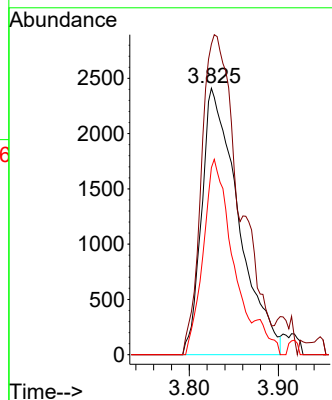
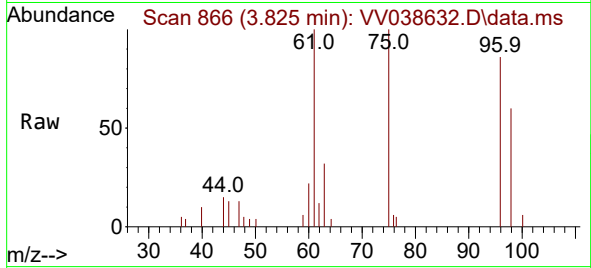




#22
 cis-1,2-Dichloroethene
 Concen: 0.50 ug/L
 RT: 3.825 min Scan# 80
 Delta R.T. 0.023 min
 Lab File: VV038632.D
 Acq: 06 Feb 2025 14:53

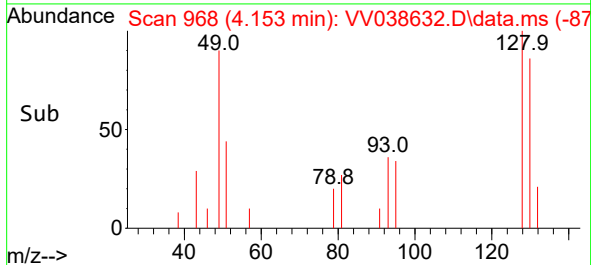
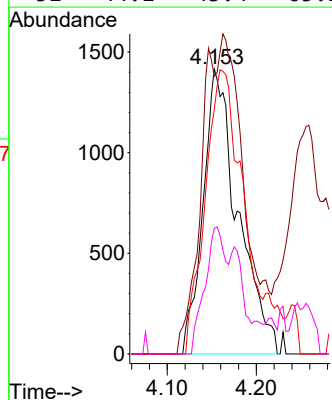
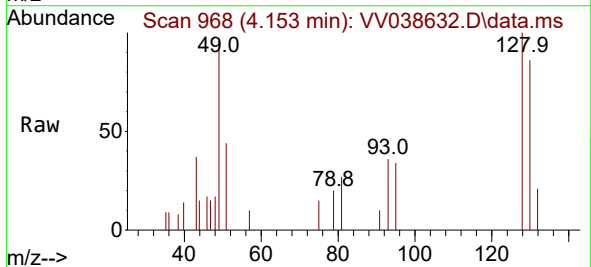
Instrument :
 MSVOA_V
 ClientSampleId :

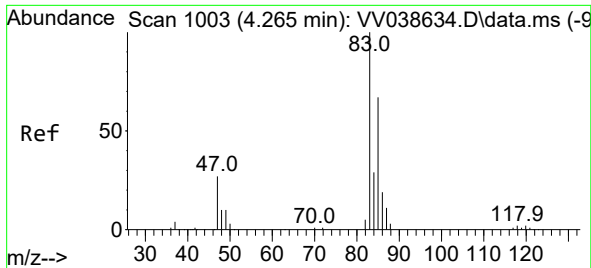
Tgt Ion: 96 Resp: 6888
 Ion Ratio Lower Upper
 96 100
 61 116.6 83.6 155.2
 98 70.2 45.6 84.8



#23
 Bromochloromethane
 Concen: 0.61 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. 0.016 min
 Lab File: VV038632.D
 Acq: 06 Feb 2025 14:53

Tgt Ion: 128 Resp: 3848
 Ion Ratio Lower Upper
 128 100
 49 97.5 116.0 215.4#
 130 85.8 90.2 167.6#
 51 44.1 43.4 65.2

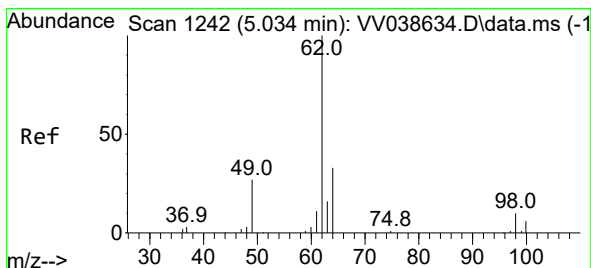
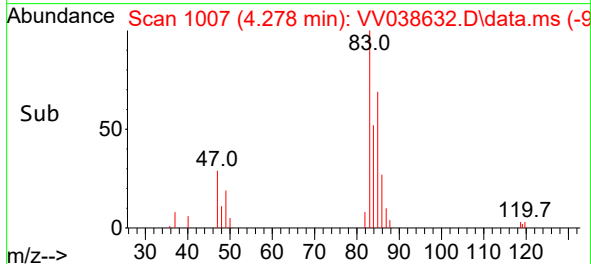
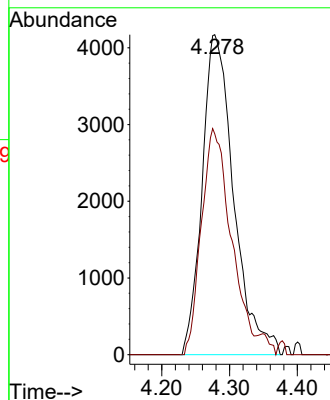
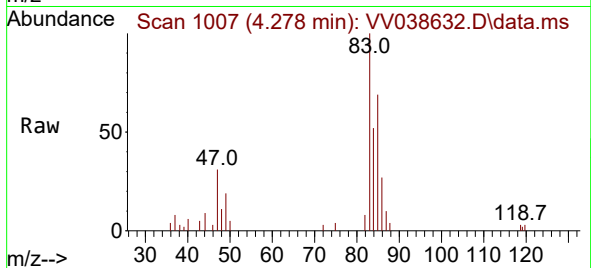




#25
Chloroform
Concen: 0.52 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.013 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

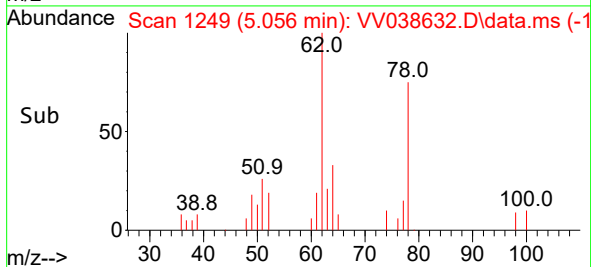
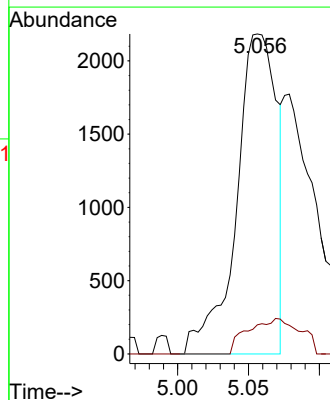
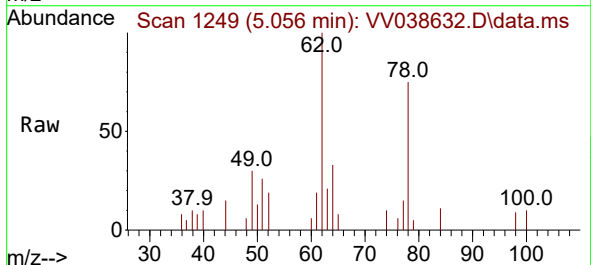
Instrument :
MSVOA_V
ClientSampleId :

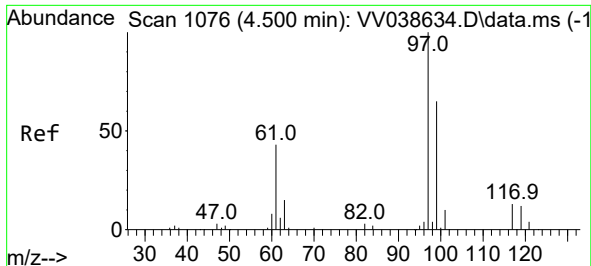
Tgt Ion: 83 Resp: 13491
Ion Ratio Lower Upper
83 100
85 69.0 47.2 87.6



#27
1,2-Dichloroethane
Concen: 0.30 ug/L
RT: 5.056 min Scan# 1249
Delta R.T. 0.023 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

Tgt Ion: 62 Resp: 4345
Ion Ratio Lower Upper
62 100
98 9.1 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 0.57 ug/L

RT: 4.506 min Scan# 1076

Delta R.T. 0.007 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

Instrument :

MSVOA_V

ClientSampleId :

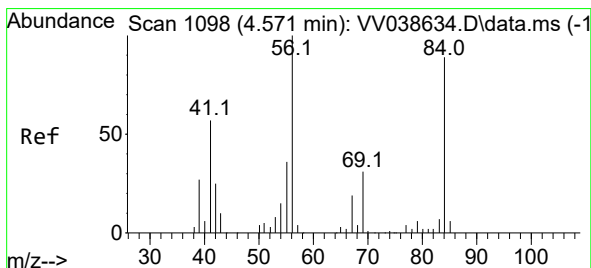
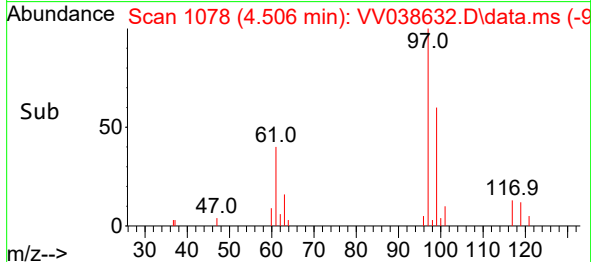
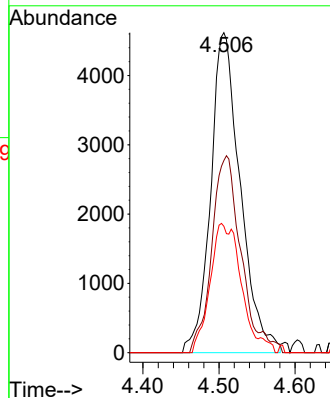
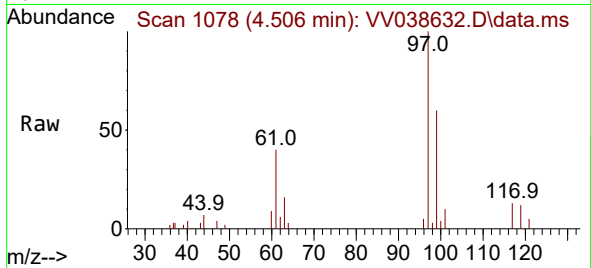
Tgt Ion: 97 Resp: 12503

Ion Ratio Lower Upper

97 100

99 60.7 50.9 76.3

61 42.7 35.8 53.6



#30

Cyclohexane

Concen: 0.48 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.003 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

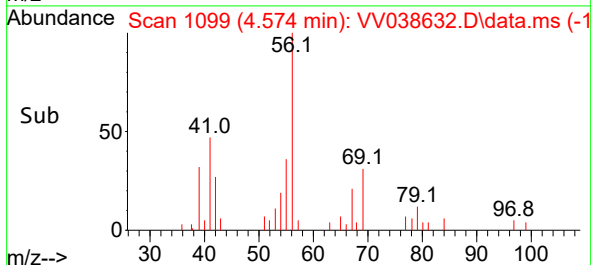
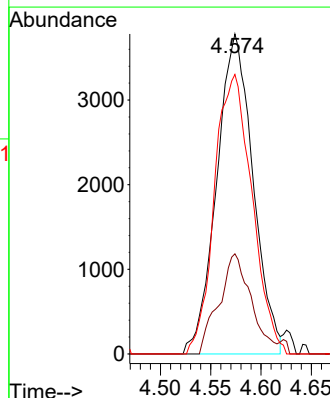
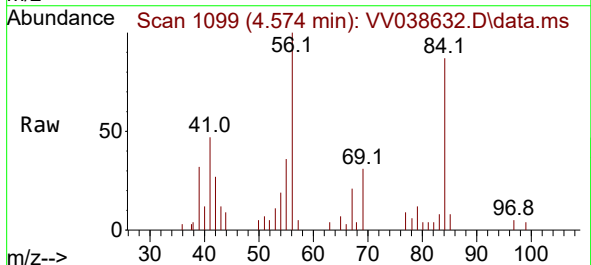
Tgt Ion: 56 Resp: 9495

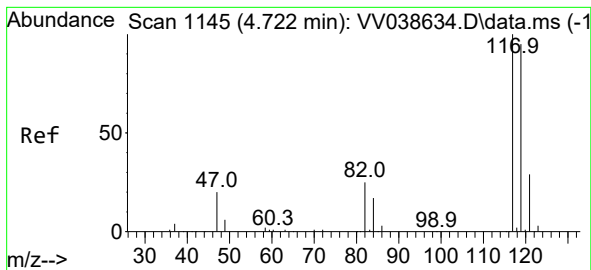
Ion Ratio Lower Upper

56 100

69 27.8 24.0 36.0

84 90.2 72.7 109.1





#31

Carbon tetrachloride

Concen: 0.57 ug/L

RT: 4.728 min Scan# 1145

Delta R.T. 0.007 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

Instrument :

MSVOA_V

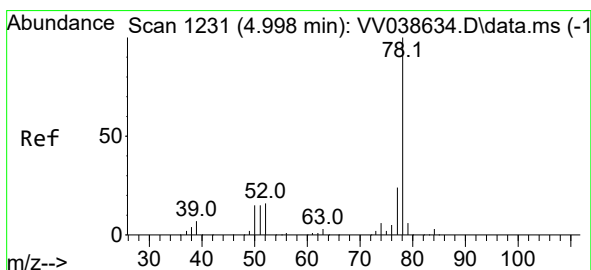
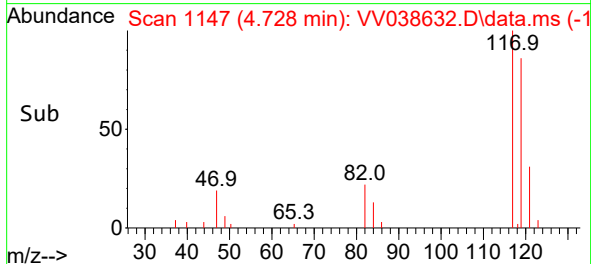
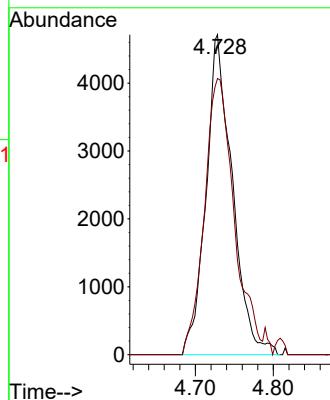
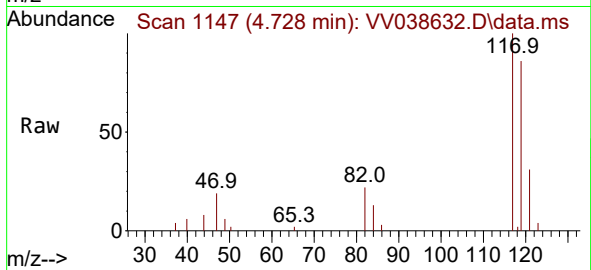
ClientSampleId :

Tgt Ion:117 Resp: 11044

Ion Ratio Lower Upper

117 100

119 97.8 76.5 114.7



#33

Benzene

Concen: 0.46 ug/L

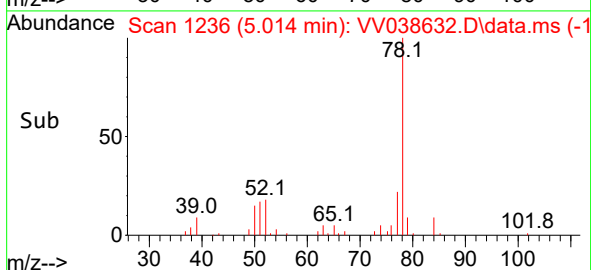
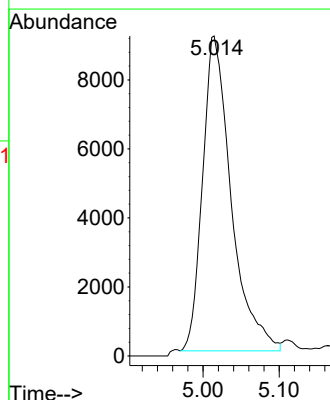
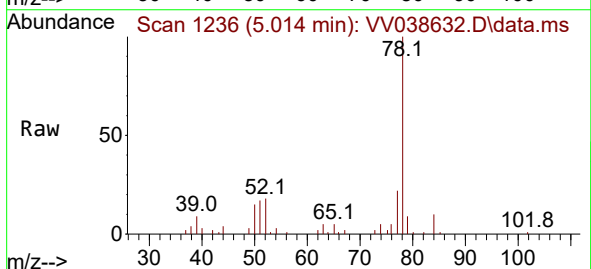
RT: 5.014 min Scan# 1236

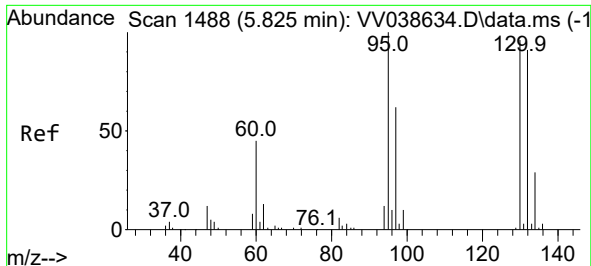
Delta R.T. 0.016 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

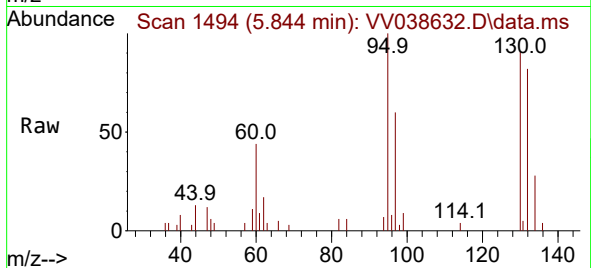
Tgt Ion: 78 Resp: 23882





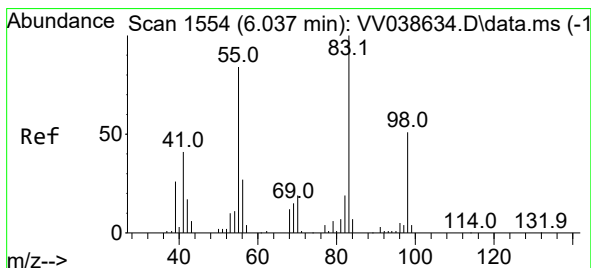
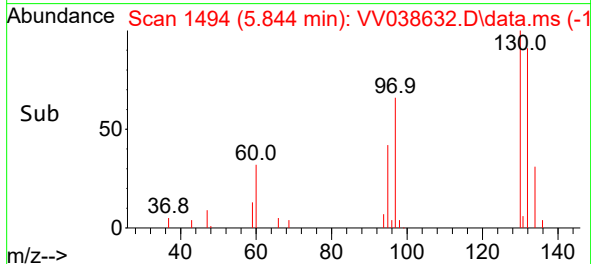
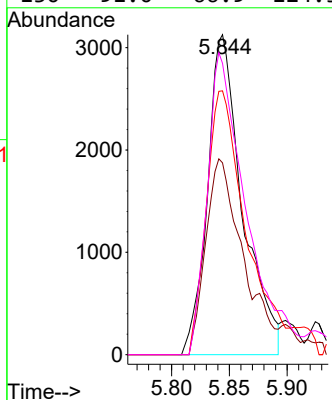
#34
 Trichloroethene
 Concen: 0.49 ug/L
 RT: 5.844 min Scan# 1488
 Delta R.T. 0.019 min
 Lab File: VV038632.D
 Acq: 06 Feb 2025 14:53

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 95 Resp: 6571

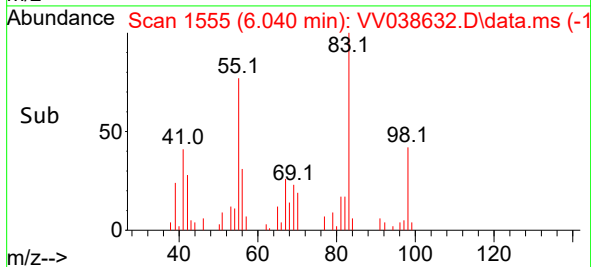
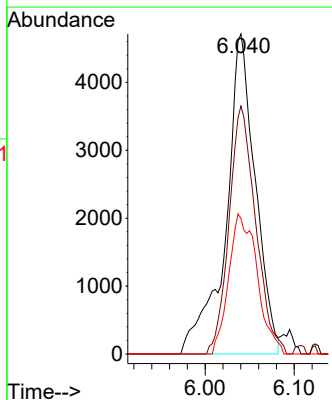
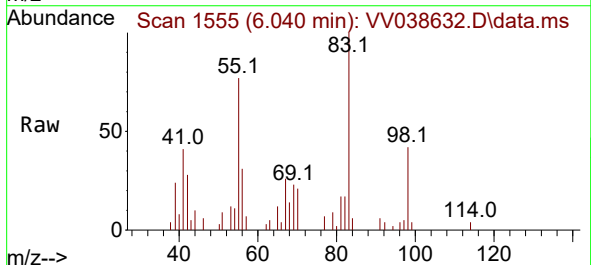
Ion	Ratio	Lower	Upper
95	100		
97	59.9	43.5	80.9
132	82.4	64.0	118.8
130	91.0	66.9	124.3

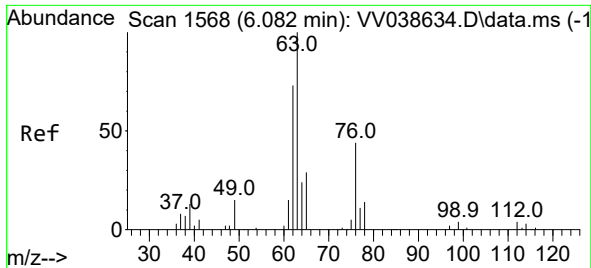


#35
 Methylcyclohexane
 Concen: 0.53 ug/L
 RT: 6.040 min Scan# 1555
 Delta R.T. 0.003 min
 Lab File: VV038632.D
 Acq: 06 Feb 2025 14:53

Tgt Ion: 83 Resp: 10827

Ion	Ratio	Lower	Upper
83	100		
55	70.0	62.6	94.0
98	42.3	38.7	58.1

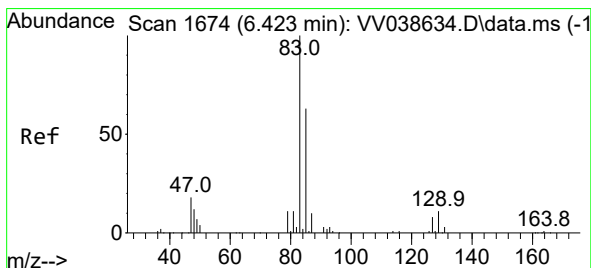
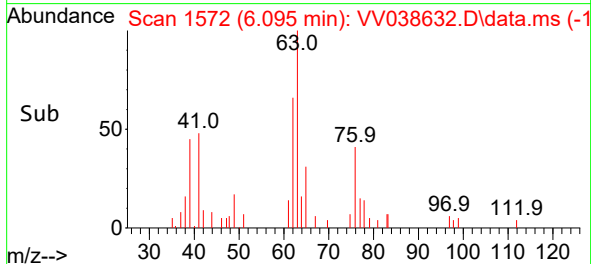
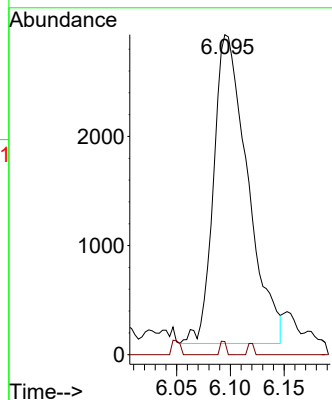
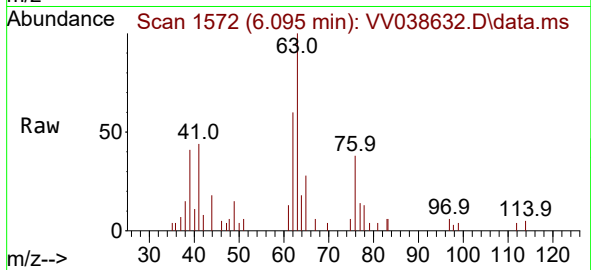




#37
1,2-Dichloropropane
Concen: 0.47 ug/L
RT: 6.095 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

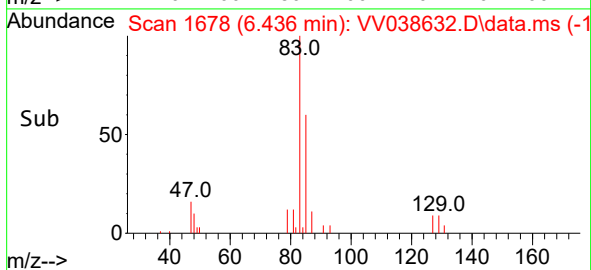
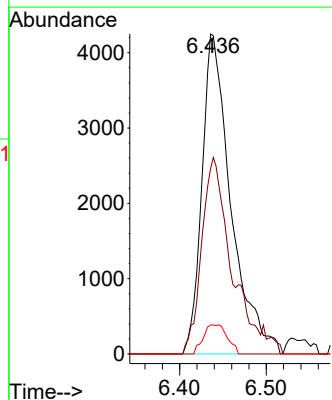
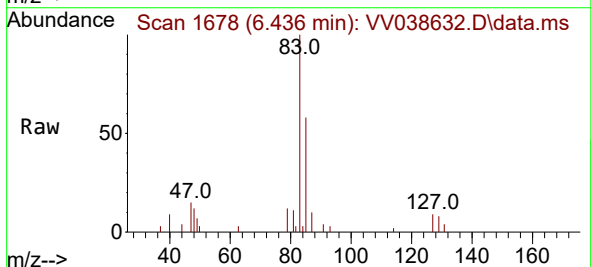
Instrument :
MSVOA_V
ClientSampleId :

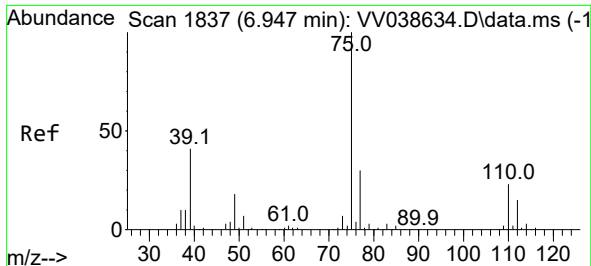
Tgt Ion: 63 Resp: 6218
Ion Ratio Lower Upper
63 100
112 0.8 3.6 5.4#



#38
Bromodichloromethane
Concen: 0.56 ug/L
RT: 6.436 min Scan# 1678
Delta R.T. 0.013 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

Tgt Ion: 83 Resp: 9875
Ion Ratio Lower Upper
83 100
85 57.9 44.0 81.6
127 9.1 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 0.40 ug/L

RT: 6.973 min Scan# 1845

Delta R.T. 0.026 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

Instrument :

MSVOA_V

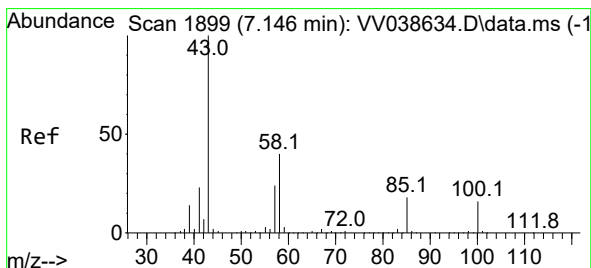
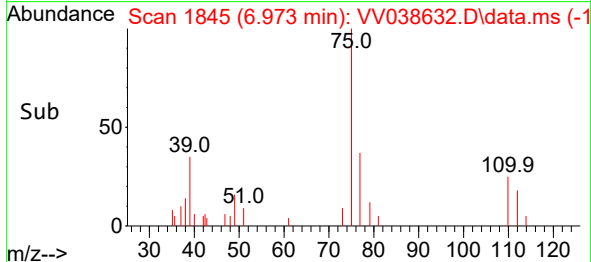
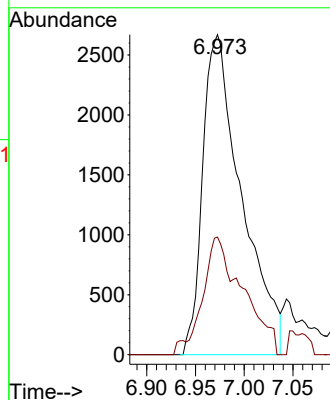
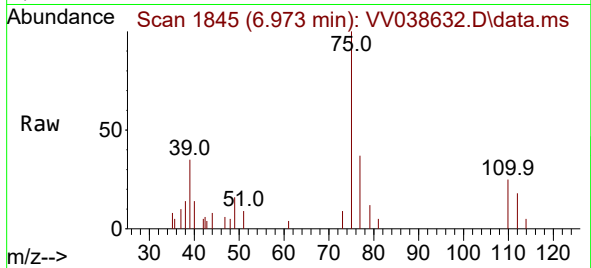
ClientSampleId :

Tgt Ion: 75 Resp: 7410

Ion Ratio Lower Upper

75 100

77 36.7 21.3 39.5



#40

4-Methyl-2-pentanone

Concen: 3.93 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.019 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

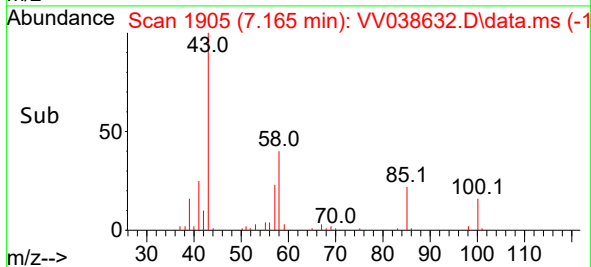
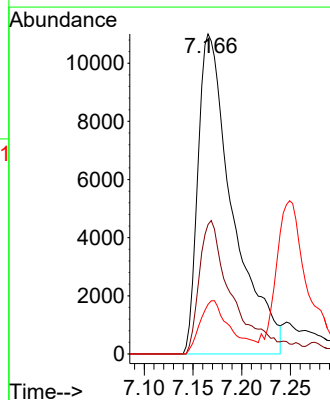
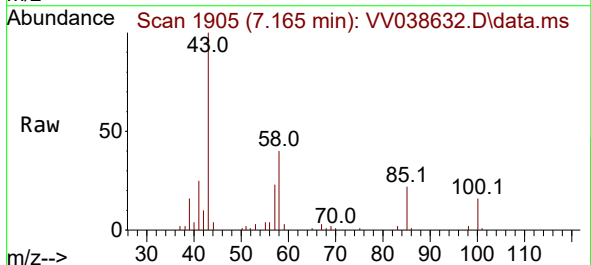
Tgt Ion: 43 Resp: 27201

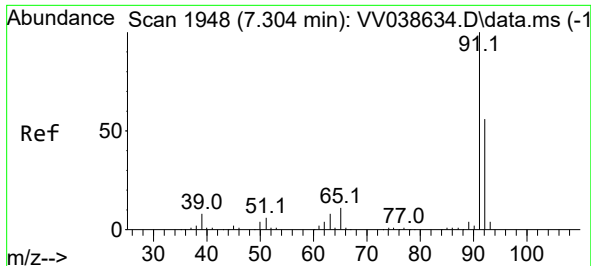
Ion Ratio Lower Upper

43 100

58 40.3 31.1 46.7

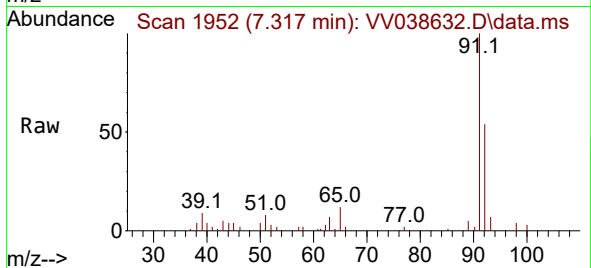
100 15.0 12.0 18.0



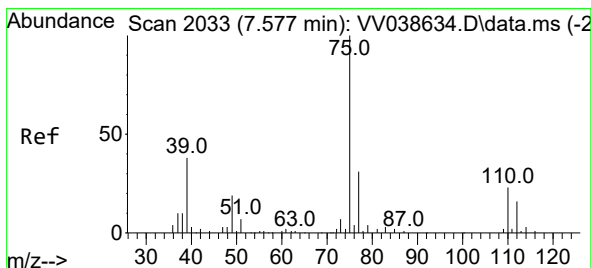
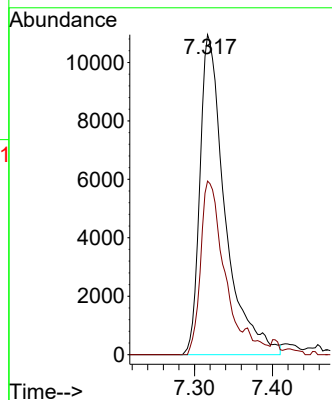
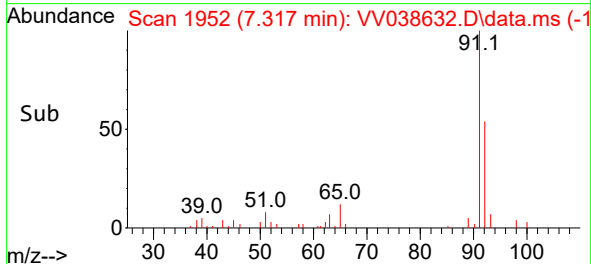


#42
Toluene
Concen: 0.45 ug/L
RT: 7.317 min Scan# 1948
Delta R.T. 0.013 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

Instrument :
MSVOA_V
ClientSampleId :

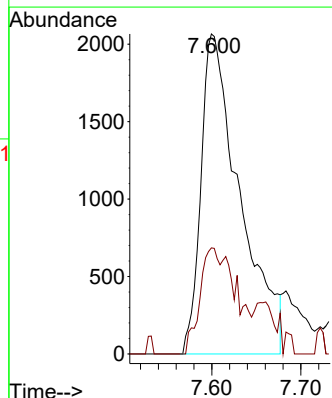
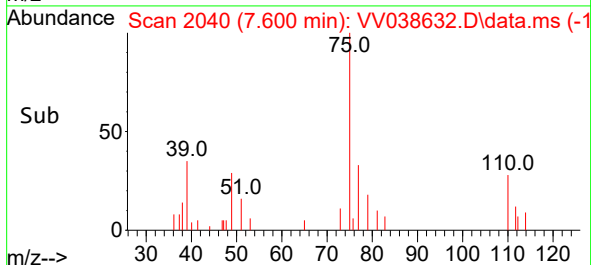
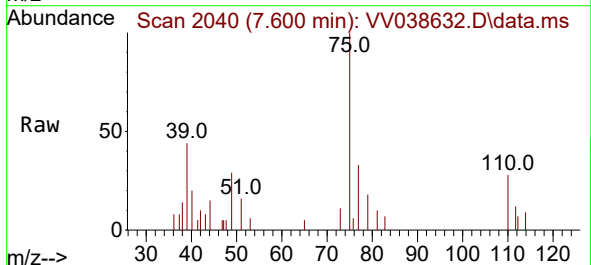


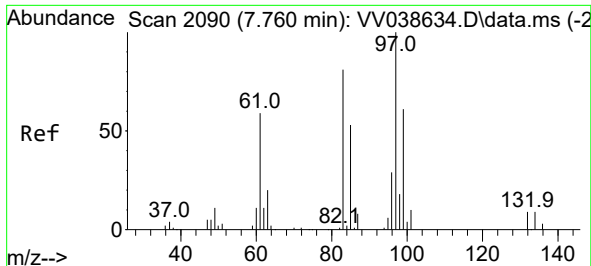
Tgt Ion: 91 Resp: 24474
Ion Ratio Lower Upper
91 100
92 54.2 39.3 72.9



#44
trans-1,3-Dichloropropene
Concen: 0.40 ug/L
RT: 7.600 min Scan# 2040
Delta R.T. 0.023 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

Tgt Ion: 75 Resp: 6272
Ion Ratio Lower Upper
75 100
77 33.2 21.4 39.8





#45

1,1,2-Trichloroethane

Concen: 0.54 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.013 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 5268

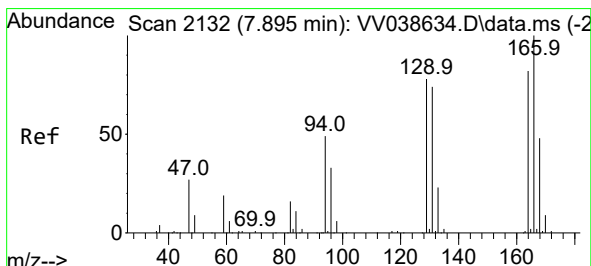
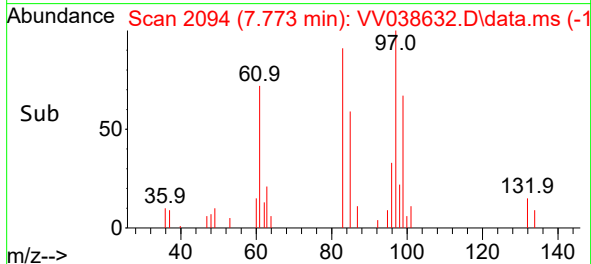
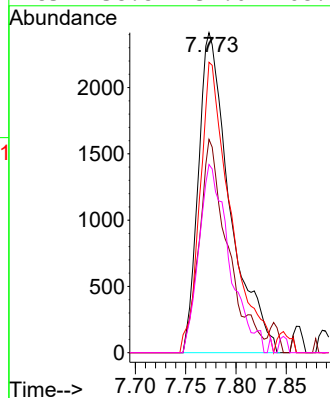
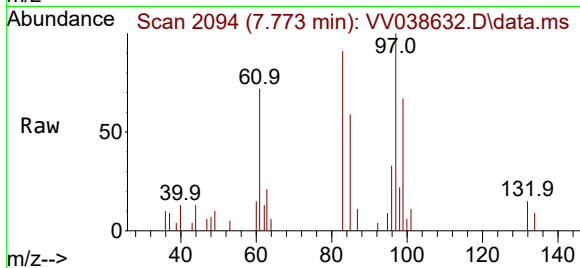
Ion Ratio Lower Upper

97 100

99 66.7 42.7 79.3

83 90.8 57.2 106.2

85 58.8 37.0 68.8



#47

Tetrachloroethene

Concen: 0.52 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.010 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

Tgt Ion: 164 Resp: 5445

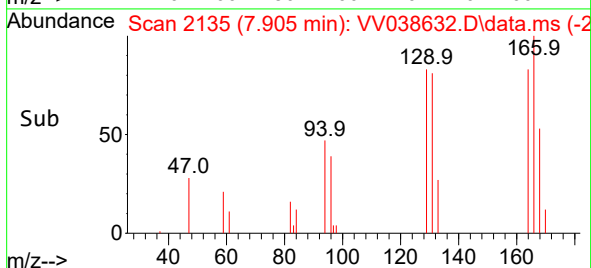
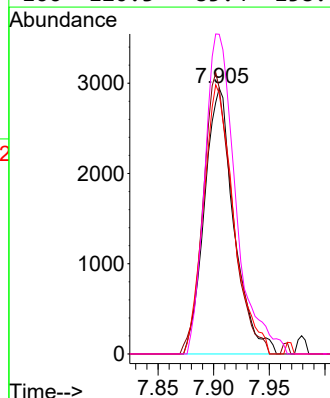
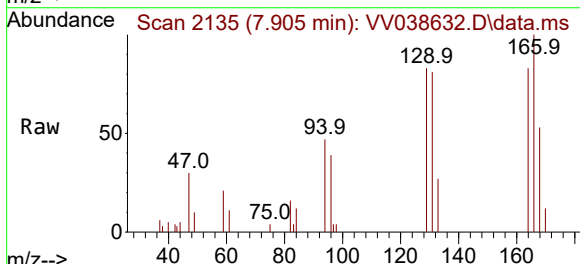
Ion Ratio Lower Upper

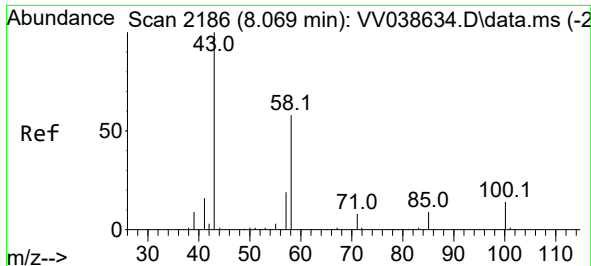
164 100

129 100.1 66.3 123.1

131 98.0 63.2 117.4

166 120.3 85.4 158.6





#48

2-Hexanone

Concen: 3.94 ug/L

RT: 8.098 min Scan# 21

Delta R.T. 0.029 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 19553

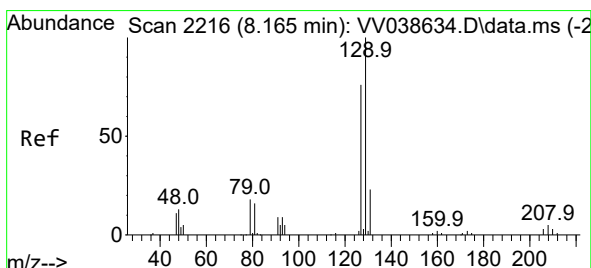
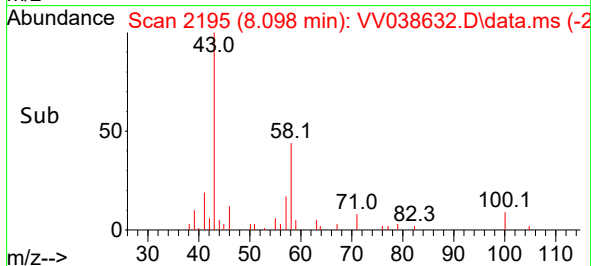
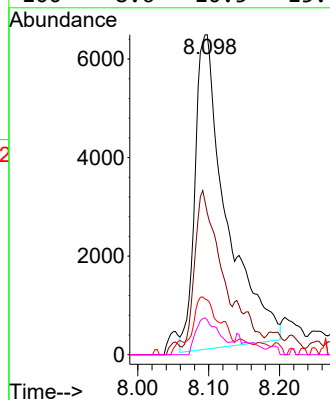
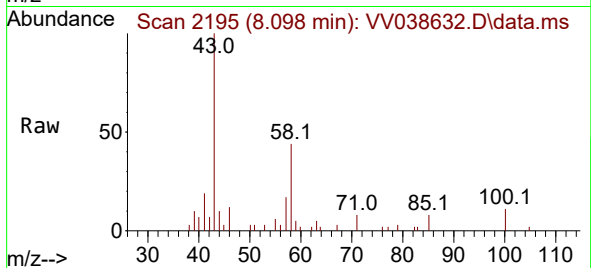
Ion Ratio Lower Upper

43 100

58 37.4 46.1 69.1#

57 8.9 15.0 22.6#

100 8.6 10.5 15.7#



#49

Dibromochloromethane

Concen: 0.53 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.010 min

Lab File: VV038632.D

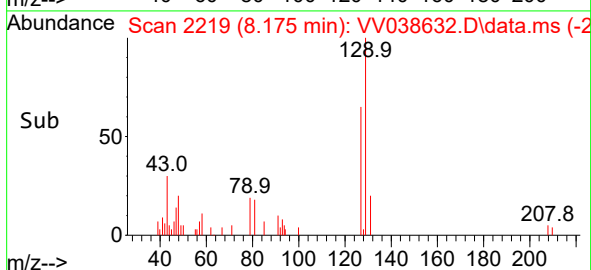
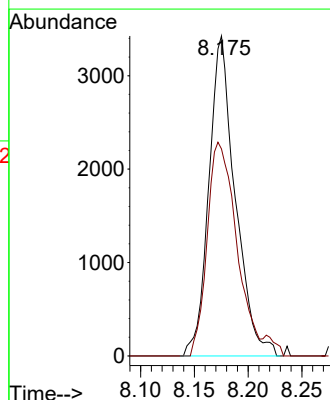
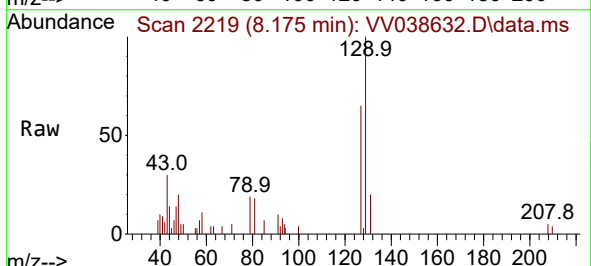
Acq: 06 Feb 2025 14:53

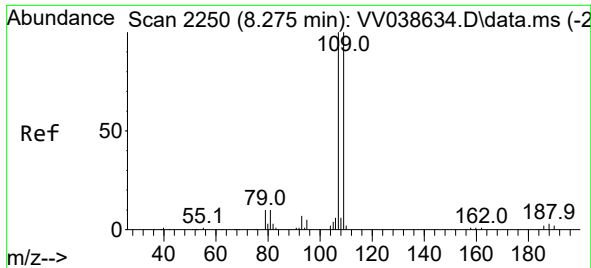
Tgt Ion:129 Resp: 5842

Ion Ratio Lower Upper

129 100

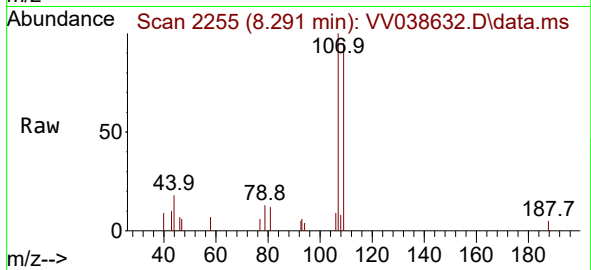
127 64.7 53.5 99.3



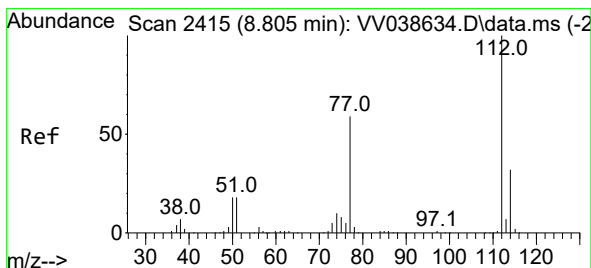
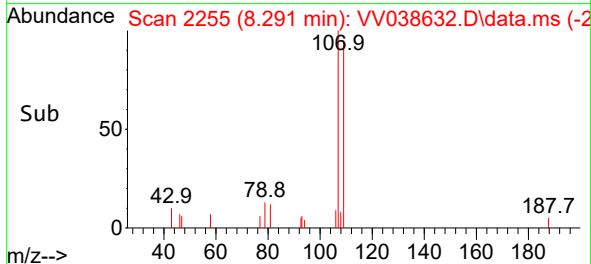
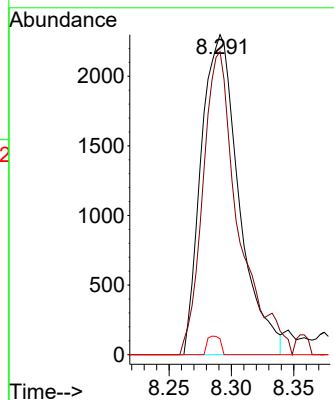


#50
 1,2-Dibromoethane
 Concen: 0.54 ug/L
 RT: 8.291 min Scan# 21
 Delta R.T. 0.016 min
 Lab File: VV038632.D
 Acq: 06 Feb 2025 14:53

Instrument :
 MSVOA_V
 ClientSampleId :

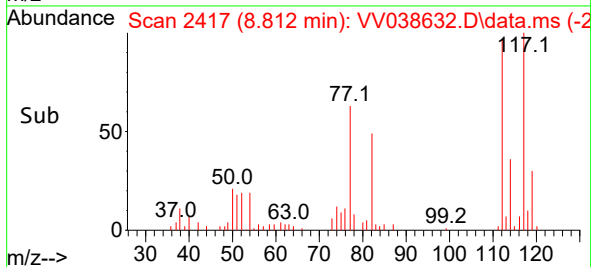
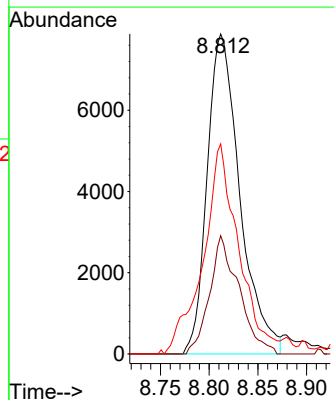
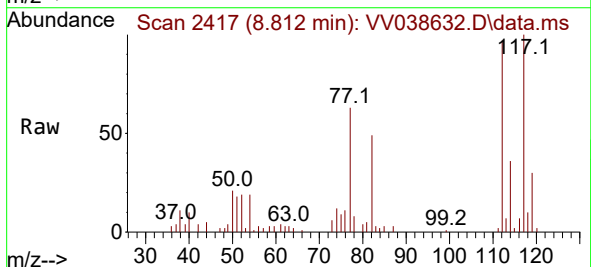


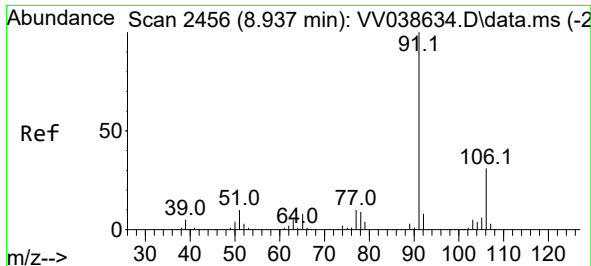
Tgt Ion:107 Resp: 4859
 Ion Ratio Lower Upper
 107 100
 109 94.7 70.2 130.4
 188 5.0 2.8 4.2#



#51
 Chlorobenzene
 Concen: 0.51 ug/L
 RT: 8.812 min Scan# 2417
 Delta R.T. 0.007 min
 Lab File: VV038632.D
 Acq: 06 Feb 2025 14:53

Tgt Ion:112 Resp: 18454
 Ion Ratio Lower Upper
 112 100
 114 36.9 22.6 42.0
 77 65.6 47.0 70.6

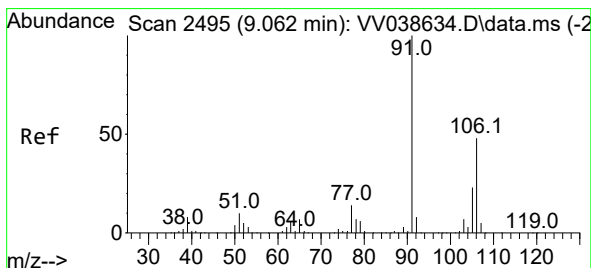
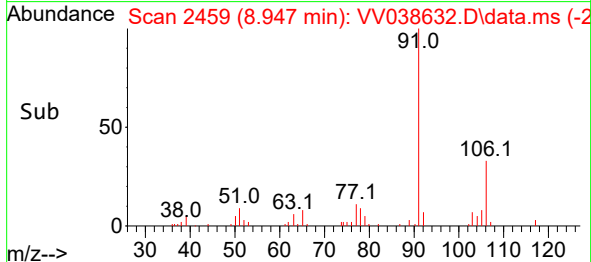
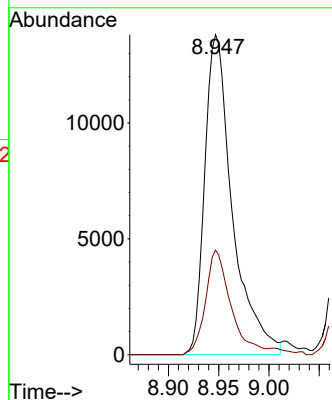
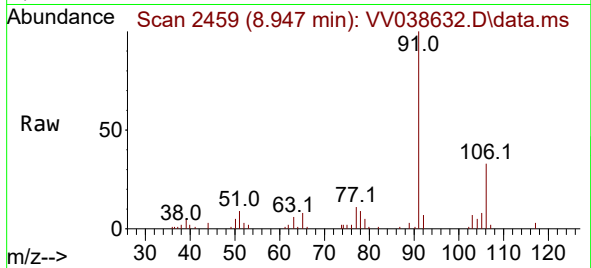




#52
Ethylbenzene
Concen: 0.45 ug/L
RT: 8.947 min Scan# 2456
Delta R.T. 0.010 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

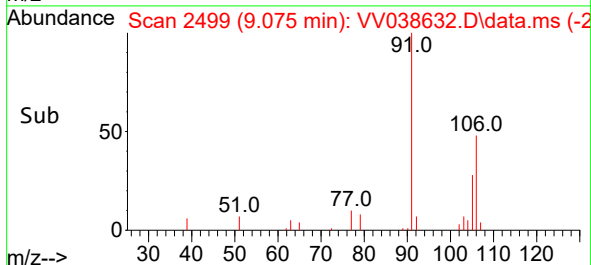
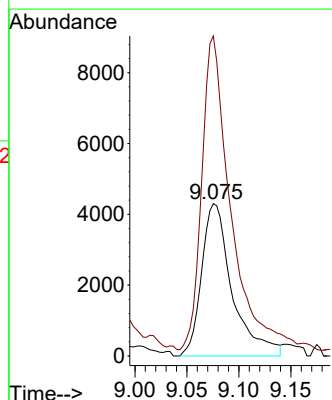
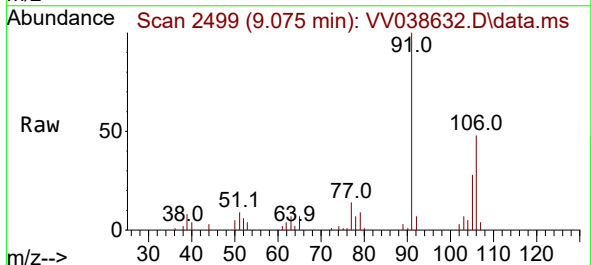
Instrument :
MSVOA_V
ClientSampleId :

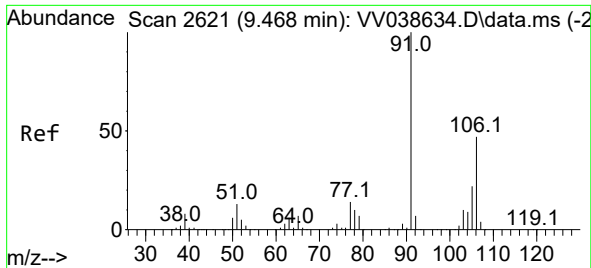
Tgt Ion: 91 Resp: 26459
Ion Ratio Lower Upper
91 100
106 32.7 21.3 39.6



#53
m,p-Xylene
Concen: 0.40 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.013 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

Tgt Ion: 106 Resp: 8810
Ion Ratio Lower Upper
106 100
91 210.0 146.3 271.7

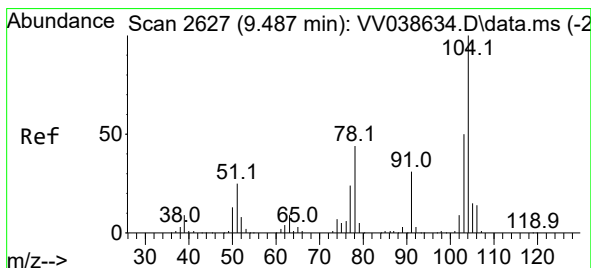
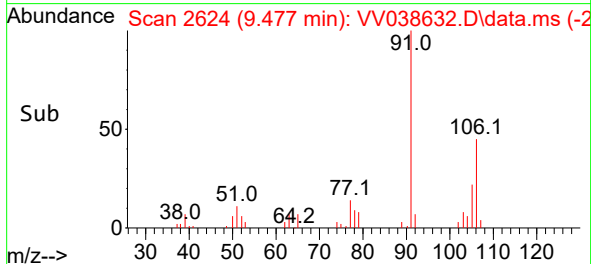
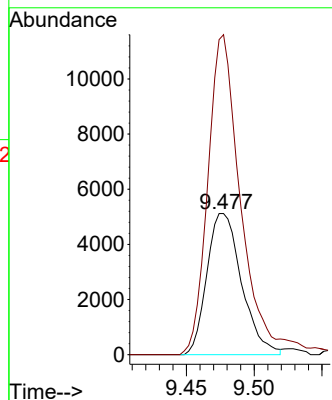
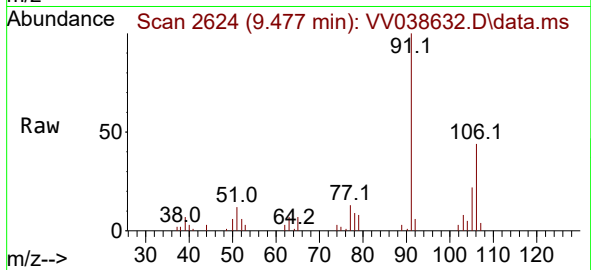




#54
o-Xylene
Concen: 0.43 ug/L
RT: 9.477 min Scan# 2621
Delta R.T. 0.010 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

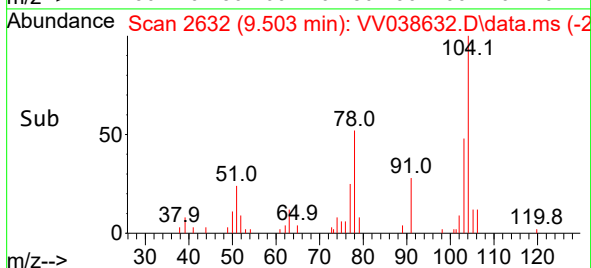
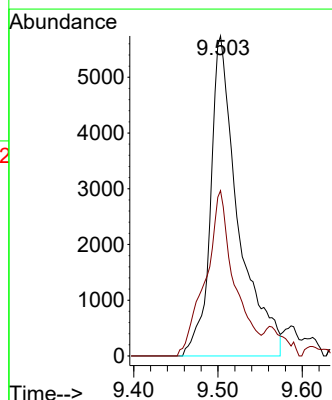
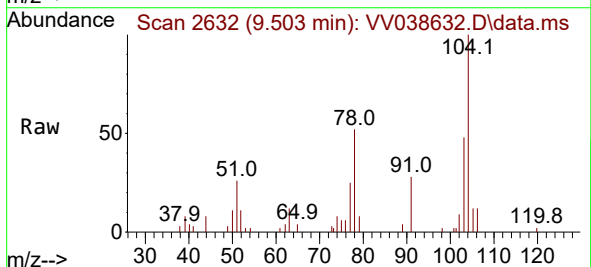
Instrument :
MSVOA_V
ClientSampleId :

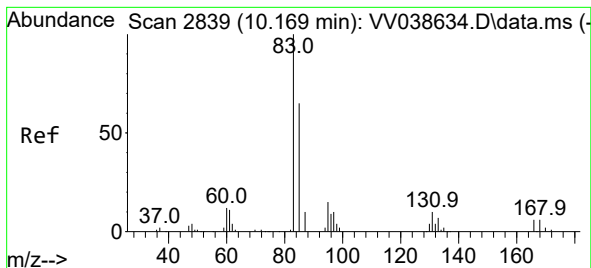
Tgt Ion:106 Resp: 9117
Ion Ratio Lower Upper
106 100
91 226.6 150.8 280.0



#55
Styrene
Concen: 0.36 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.016 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

Tgt Ion:104 Resp: 13117
Ion Ratio Lower Upper
104 100
78 51.7 30.5 56.7

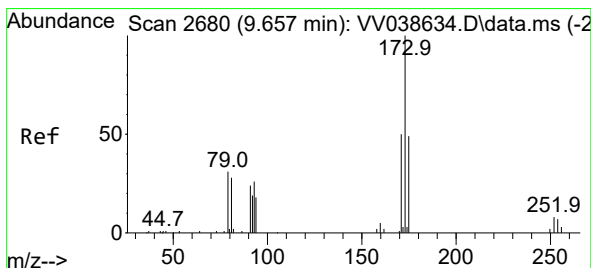
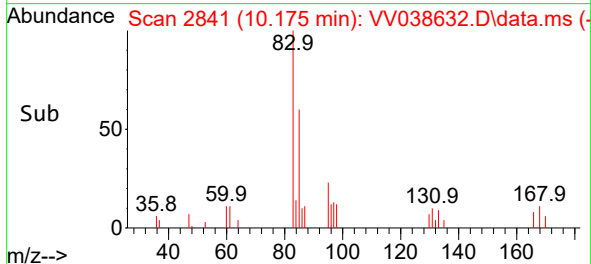
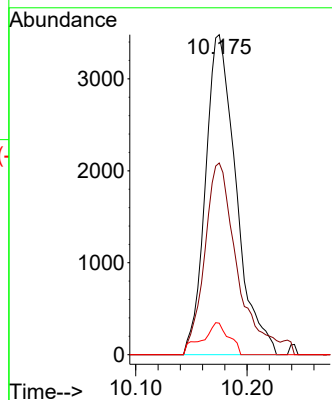
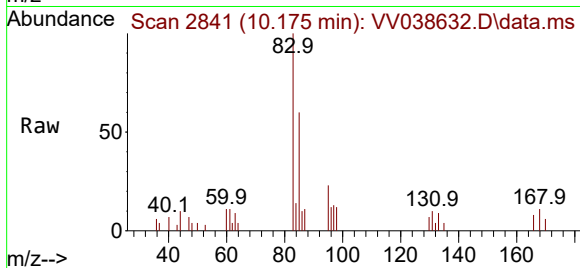




#57
1,1,2,2-Tetrachloroethane
Concen: 0.56 ug/L
RT: 10.175 min Scan# 2839
Delta R.T. 0.007 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

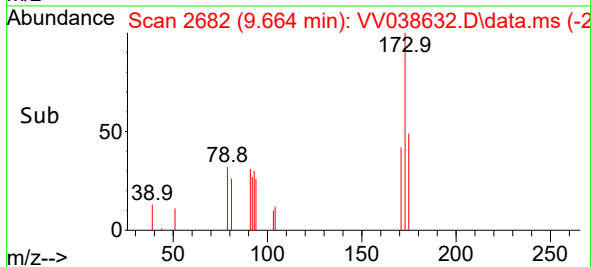
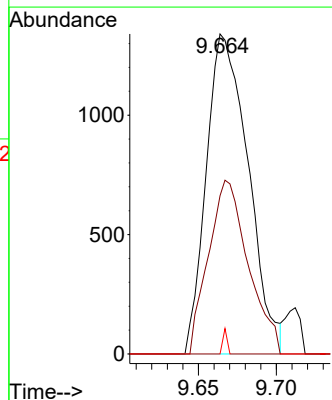
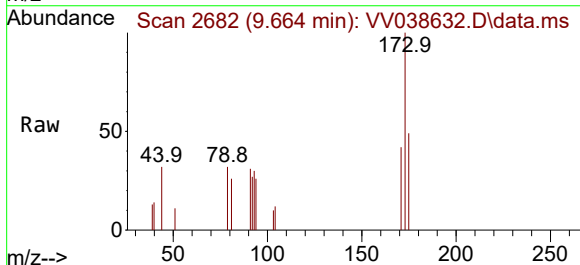
Instrument :
MSVOA_V
ClientSampleId :

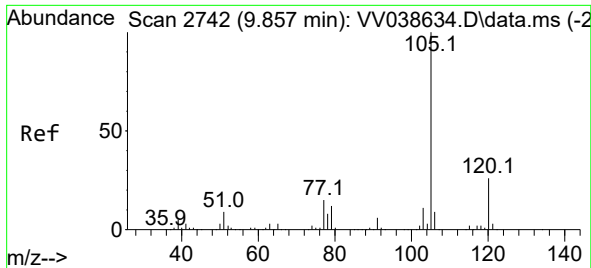
Tgt Ion: 83 Resp: 6655
Ion Ratio Lower Upper
83 100
85 59.9 46.1 85.5
131 9.9 8.5 12.7



#59
Bromoform
Concen: 0.49 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.007 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

Tgt Ion: 173 Resp: 2504
Ion Ratio Lower Upper
173 100
175 51.7 39.5 59.3
254 0.8 5.7 8.5

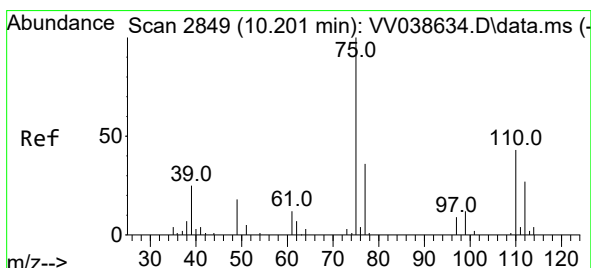
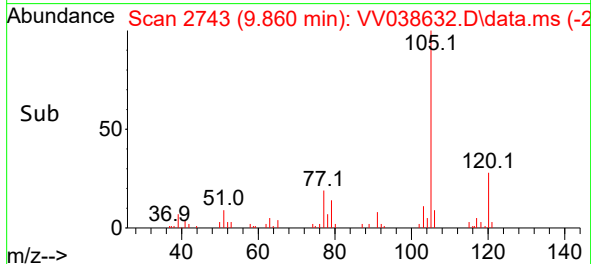
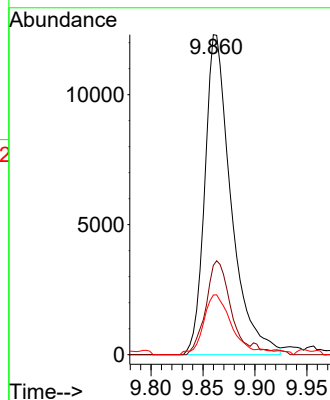
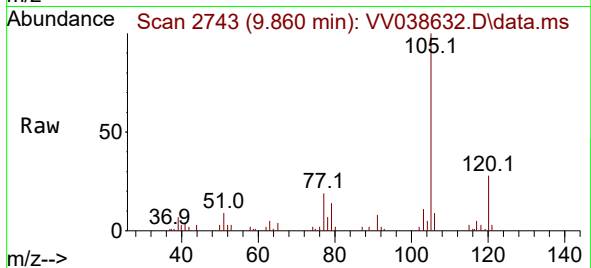




#60
Isopropylbenzene
Concen: 0.43 ug/L
RT: 9.860 min Scan# 21637
Delta R.T. 0.003 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

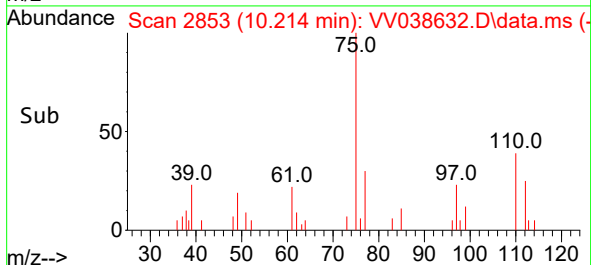
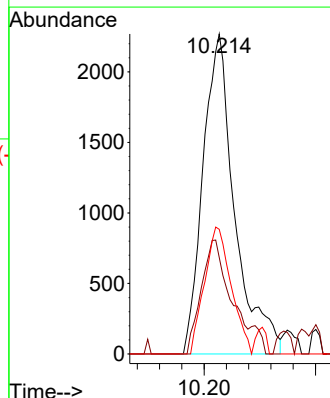
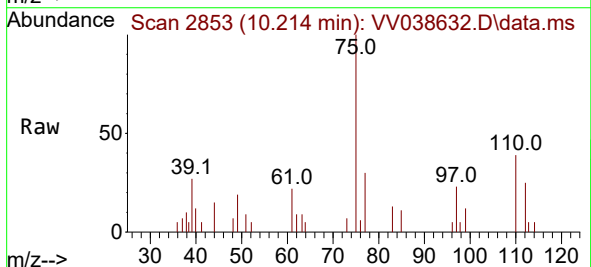
Instrument :
MSVOA_V
ClientSampleId :

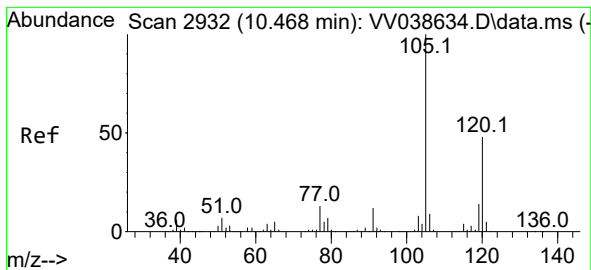
Tgt Ion:105 Resp: 21637
Ion Ratio Lower Upper
105 100
120 27.2 21.0 31.4
77 19.6 12.2 18.4#



#61
1,2,3-Trichloropropane
Concen: 0.63 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.013 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

Tgt Ion: 75 Resp: 4485
Ion Ratio Lower Upper
75 100
77 32.4 25.5 38.3
110 33.4 30.9 46.3





#62

1,3,5-Trimethylbenzene

Concen: 0.47 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.003 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

Instrument :

MSVOA_V

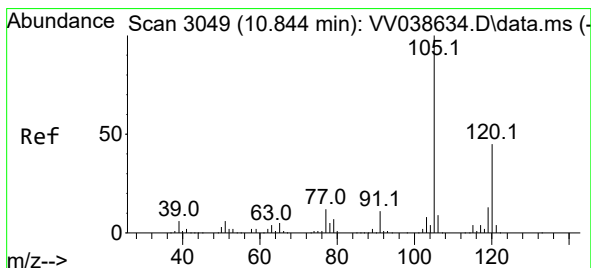
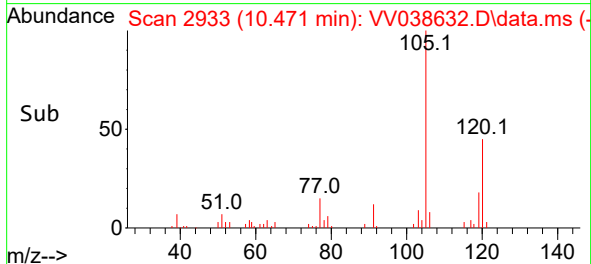
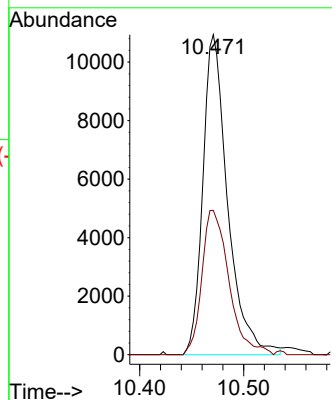
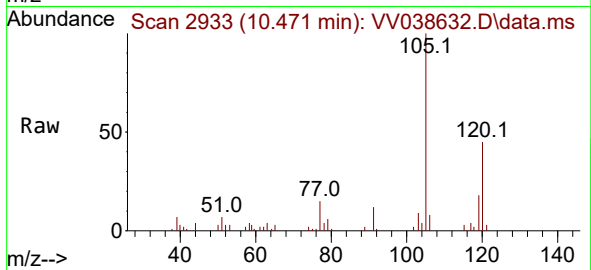
ClientSampleId :

Tgt Ion:105 Resp: 18103

Ion Ratio Lower Upper

105 100

120 49.2 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 0.44 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.007 min

Lab File: VV038632.D

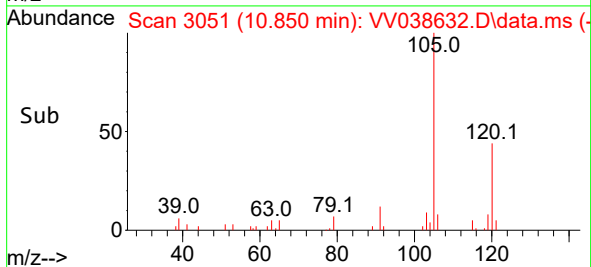
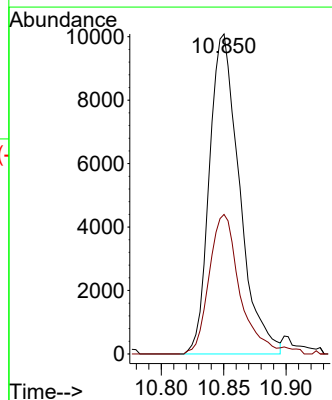
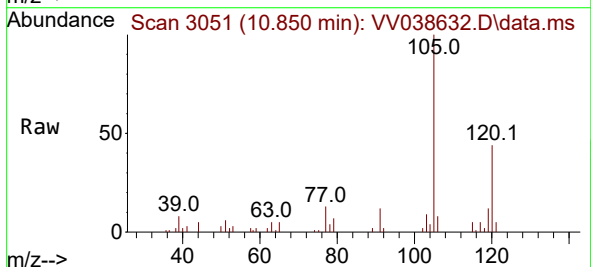
Acq: 06 Feb 2025 14:53

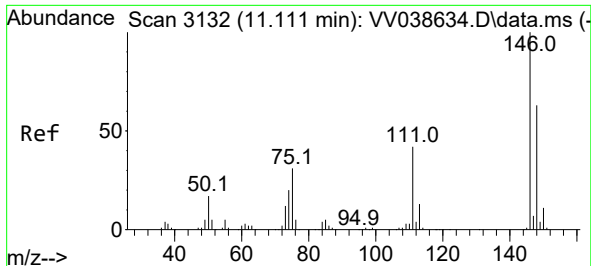
Tgt Ion:105 Resp: 16935

Ion Ratio Lower Upper

105 100

120 44.1 36.2 54.2

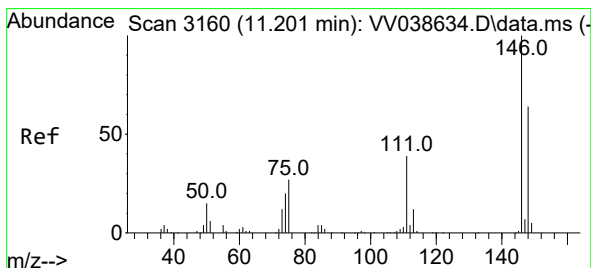
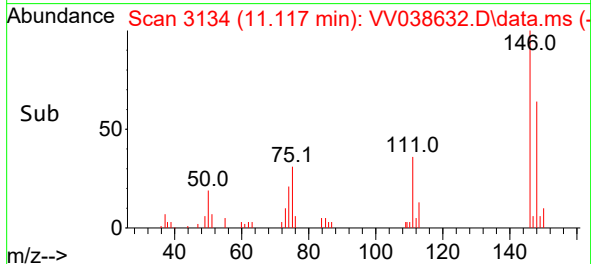
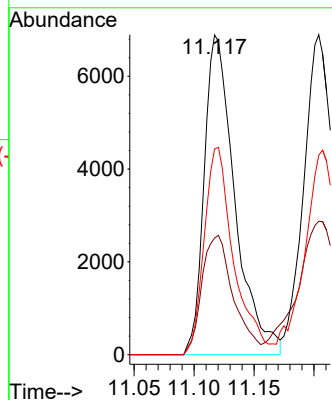
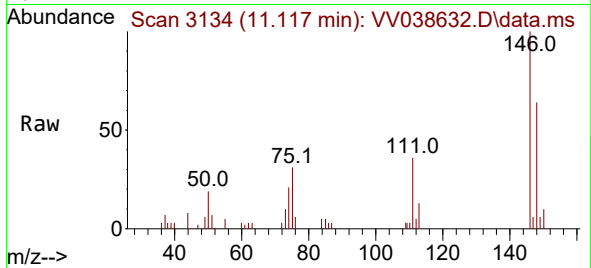




#64
1,3-Dichlorobenzene
Concen: 0.50 ug/L
RT: 11.117 min Scan# 3132
Delta R.T. 0.007 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

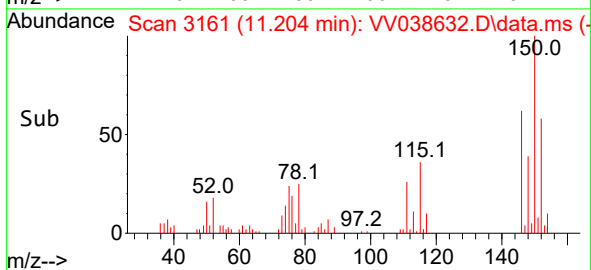
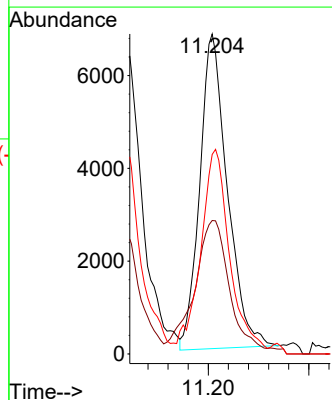
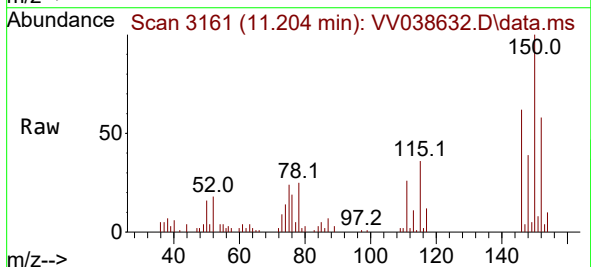
Instrument :
MSVOA_V
ClientSampleId :

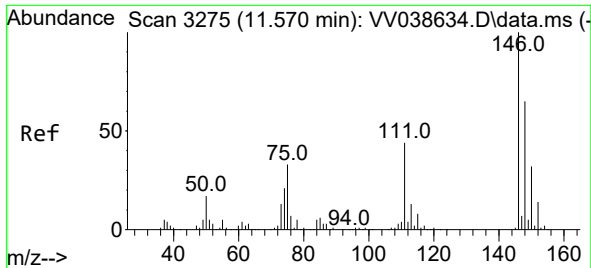
Tgt Ion:146 Resp: 12276
Ion Ratio Lower Upper
146 100
111 36.5 29.0 53.9
148 64.4 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 0.51 ug/L
RT: 11.204 min Scan# 3161
Delta R.T. 0.003 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

Tgt Ion:146 Resp: 12914
Ion Ratio Lower Upper
146 100
111 41.7 27.7 51.5
148 62.4 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 0.52 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

Instrument :

MSVOA_V

ClientSampleId :

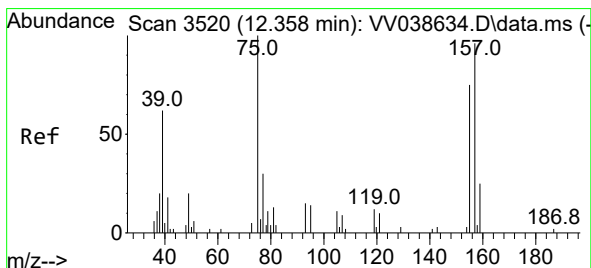
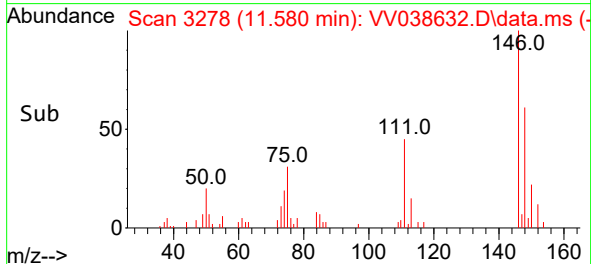
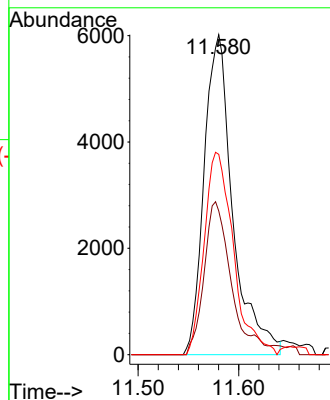
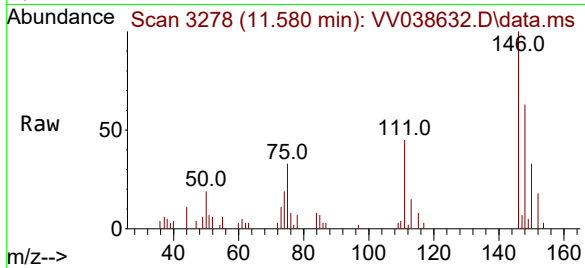
Tgt Ion:146 Resp: 11912

Ion Ratio Lower Upper

146 100

111 44.9 35.4 53.0

148 62.6 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 0.26 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.007 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

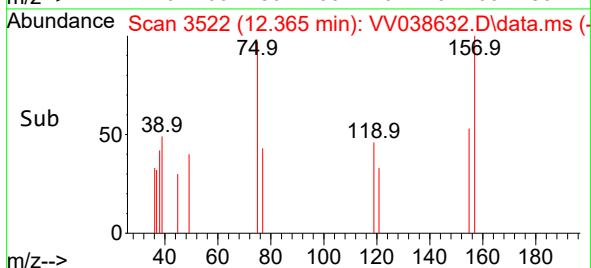
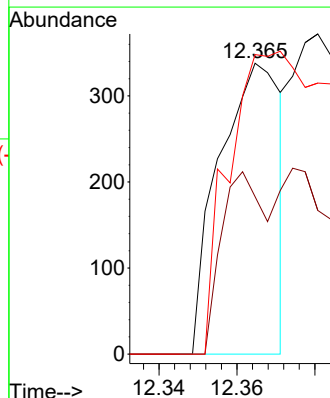
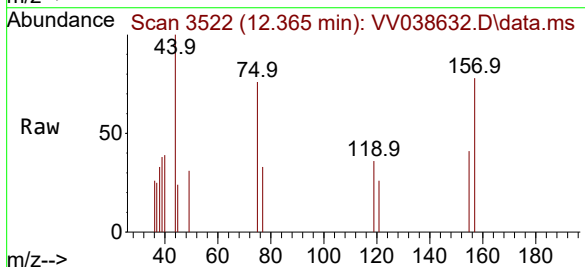
Tgt Ion: 75 Resp: 370

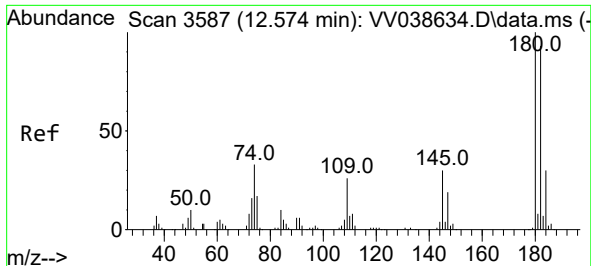
Ion Ratio Lower Upper

75 100

155 54.1 60.3 90.5#

157 103.0 76.9 115.3





#69

1,3,5-Trichlorobenzene

Concen: 0.51 ug/L

RT: 12.580 min Scan# 3

Delta R.T. 0.007 min

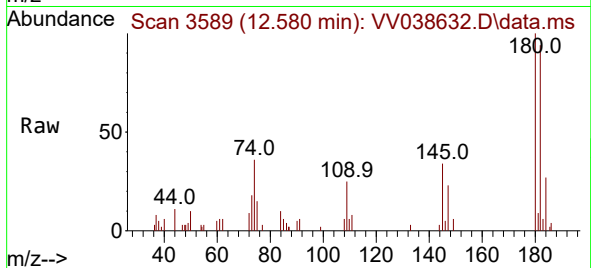
Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 8567

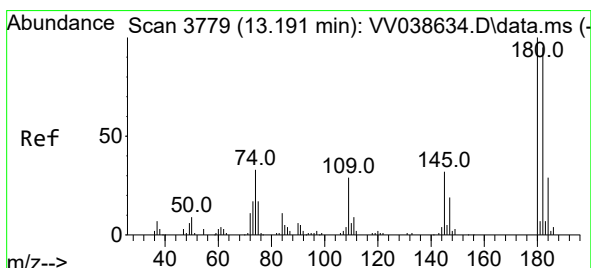
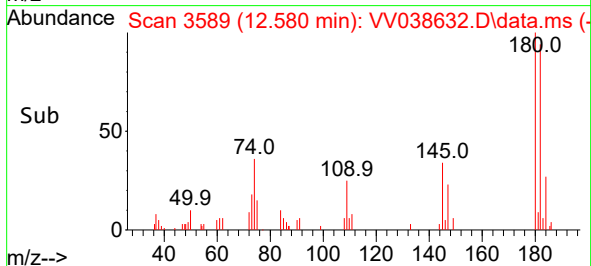
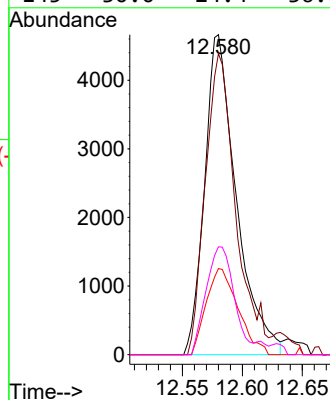
Ion Ratio Lower Upper

180 100

182 90.2 75.6 113.4

184 27.1 24.1 36.1

145 30.0 24.4 36.6



#70

1,2,4-trichlorobenzene

Concen: 0.42 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.010 min

Lab File: VV038632.D

Acq: 06 Feb 2025 14:53

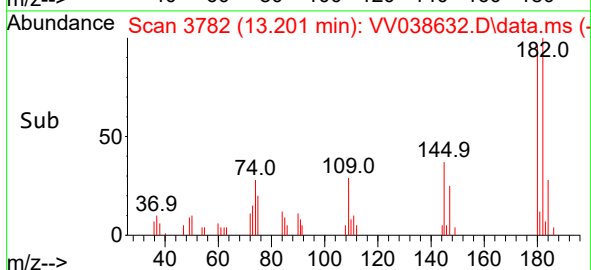
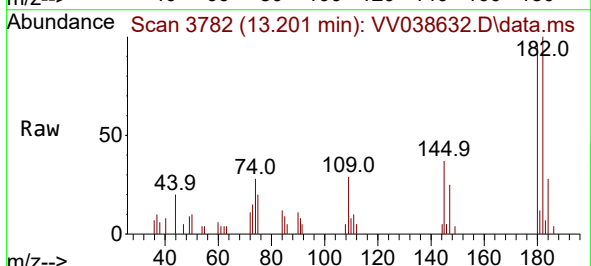
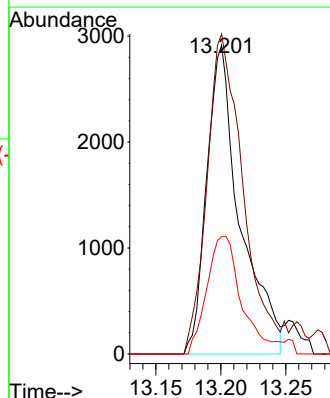
Tgt Ion:180 Resp: 5217

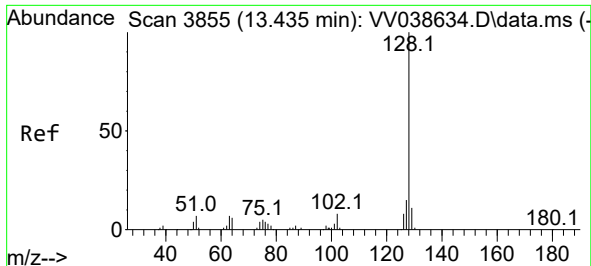
Ion Ratio Lower Upper

180 100

182 111.3 76.6 115.0

145 39.7 26.0 39.0#

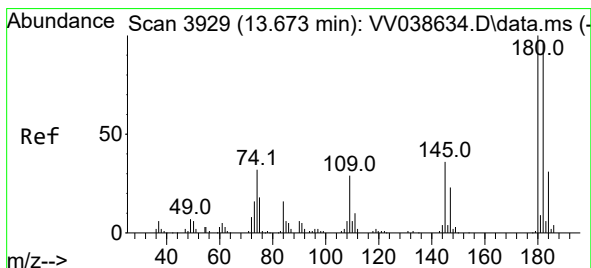
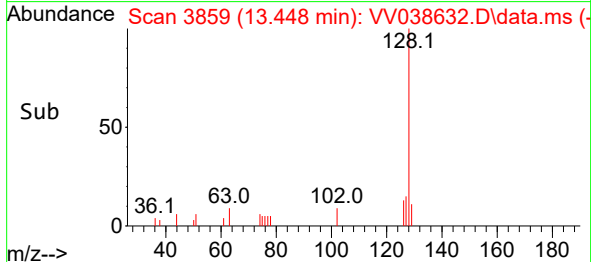
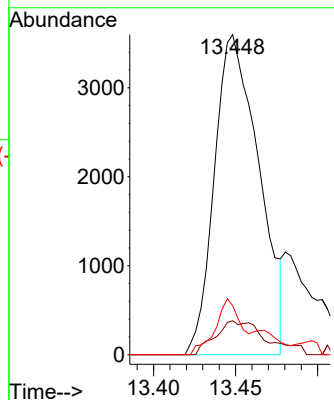
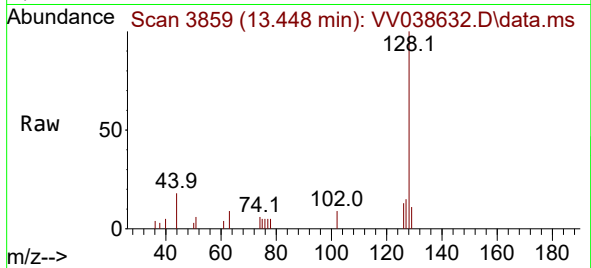




#71
Naphthalene
Concen: 0.36 ug/L
RT: 13.448 min Scan# 3930
Delta R.T. 0.013 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 6785
Ion Ratio Lower Upper
128 100
129 12.1 7.6 11.4#
127 9.9 10.9 16.3#



#72
1,2,3-Trichlorobenzene
Concen: 0.49 ug/L
RT: 13.677 min Scan# 3930
Delta R.T. 0.003 min
Lab File: VV038632.D
Acq: 06 Feb 2025 14:53

Tgt Ion:180 Resp: 5277
Ion Ratio Lower Upper
180 100
182 102.0 76.0 114.0
145 26.8 28.4 42.6#

