

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW021425\
 Data File : VW038695.D
 Acq On : 14 Feb 2025 14:47
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005347

Quant Time: Feb 17 10:35:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020625WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Feb 17 10:31:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	158112	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	168247	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	87866	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	57653	3.53	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	70.60%	
7) Chloroethane-d5	1.532	69	51287	4.17	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	83.40%	
11) 1,1-Dichloroethene-d2	2.053	65	26347	3.85	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	77.00%	
20) 2-Butanone-d5	3.799	46	120558	42.46	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	84.92%	
24) Chloroform-d	4.239	84	120914	4.67	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	93.40%	
26) 1,2-Dichloroethane-d4	4.937	65	51677	4.53	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.60%	
32) Benzene-d6	4.950	84	218637	4.44	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.80%	
36) 1,2-Dichloropropane-d6	5.982	67	65761	4.51	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	90.20%	
41) Toluene-d8	7.233	98	198633	4.52	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.40%	
43) trans-1,3-Dichloroprop...	7.551	79	21326	3.98	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	79.60%	
46) 2-Hexanone-d5	8.021	63	93281	44.98	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	89.96%	
56) 1,1,2,2-Tetrachloroeth...	10.146	84	55514	4.47	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	89.40%	
66) 1,2-Dichlorobenzene-d4	11.551	152	67868	4.46	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	89.20%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	88807	4.73	ug/L	100
3) Chloromethane	1.214	50	83188	4.72	ug/L	98
5) Vinyl chloride	1.281	62	90368	4.84	ug/L	99
6) Bromomethane	1.487	94	33931	4.22	ug/L	99
8) Chloroethane	1.548	64	55373	4.79	ug/L	98
9) Trichlorofluoromethane	1.709	101	124891	5.01	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	74038	5.34	ug/L	98
12) 1,1-Dichloroethene	2.066	96	66455	4.94	ug/L	93
13) Acetone	2.130	43	92755	44.49	ug/L	99
14) Carbon disulfide	2.236	76	218072	4.92	ug/L	99
15) Methyl Acetate	2.381	43	23829	4.44	ug/L	96
16) Methylene chloride	2.442	84	74813	4.89	ug/L	99
17) Methyl tert-butyl Ether	2.696	73	132172	4.80	ug/L	99
18) trans-1,2-Dichloroethene	2.690	96	70915	5.27	ug/L	96
19) 1,1-Dichloroethane	3.101	63	136144	5.25	ug/L	97
21) 2-Butanone	3.879	43	135548	43.31	ug/L	96
22) cis-1,2-Dichloroethene	3.805	96	70870	5.10	ug/L	98
23) Bromochloromethane	4.143	128	32094	4.86	ug/L	99
25) Chloroform	4.265	83	139130	5.37	ug/L	98

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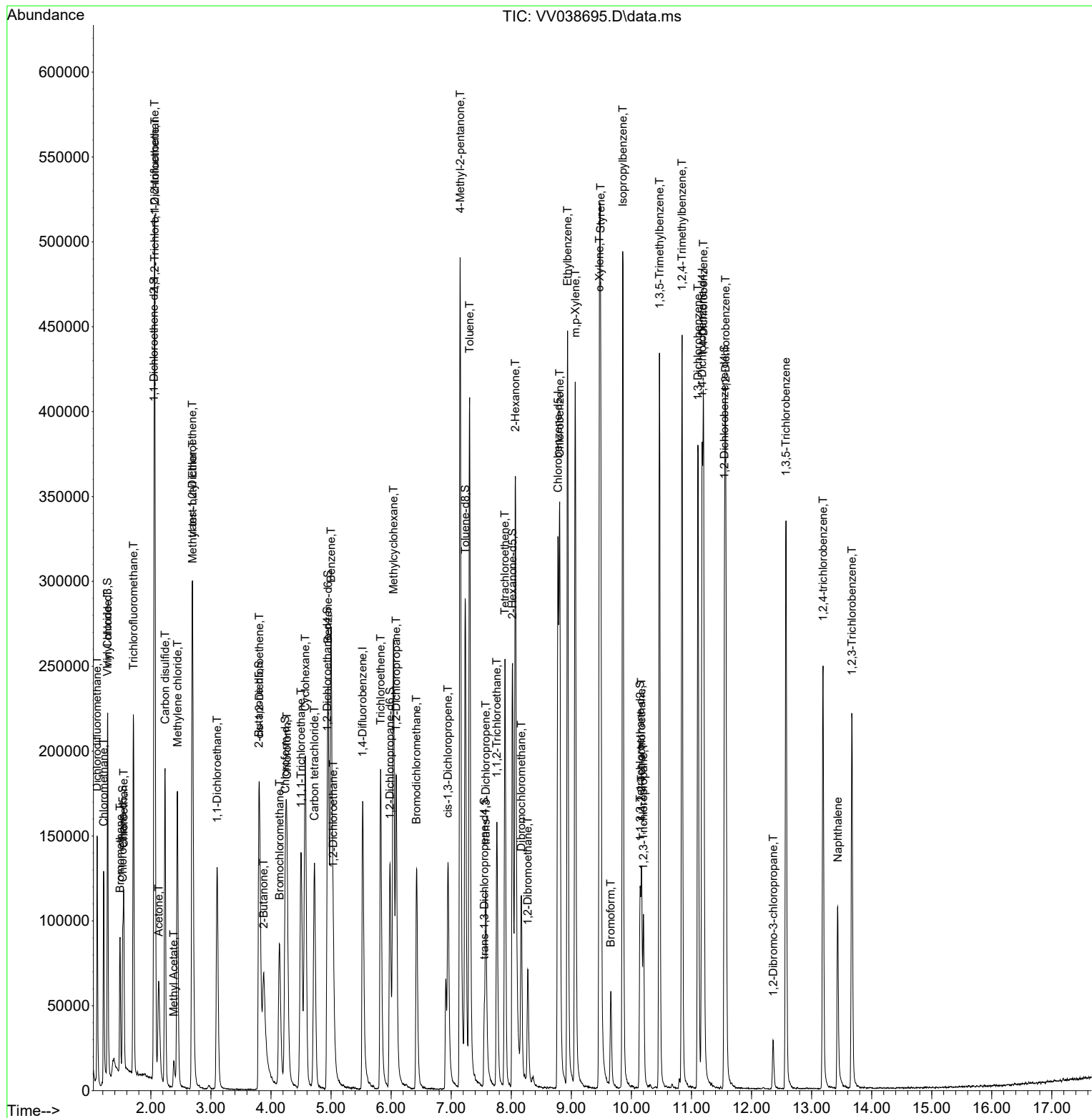
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	76253	5.00	ug/L	98
29) 1,1,1-Trichloroethane	4.500	97	119833	5.05	ug/L	99
30) Cyclohexane	4.571	56	99627	4.86	ug/L	97
31) Carbon tetrachloride	4.722	117	102704	4.96	ug/L	100
33) Benzene	5.001	78	284293	5.34	ug/L	100
34) Trichloroethene	5.825	95	72289	5.28	ug/L	97
35) Methylcyclohexane	6.040	83	104094	4.84	ug/L	99
37) 1,2-Dichloropropane	6.085	63	75923	5.64	ug/L	100
38) Bromodichloromethane	6.423	83	93479	5.06	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	92946	5.07	ug/L	99
40) 4-Methyl-2-pentanone	7.149	43	351292	49.69	ug/L	100
42) Toluene	7.307	91	311093	5.50	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	78253	5.08	ug/L	96
45) 1,1,2-Trichloroethane	7.760	97	51691	4.91	ug/L	99
47) Tetrachloroethene	7.895	164	55731	5.24	ug/L	97
48) 2-Hexanone	8.069	43	253477	48.59	ug/L	98
49) Dibromochloromethane	8.169	129	56096	4.80	ug/L	100
50) 1,2-Dibromoethane	8.275	107	48004	4.93	ug/L	94
51) Chlorobenzene	8.805	112	191939	5.16	ug/L	98
52) Ethylbenzene	8.937	91	313488	5.22	ug/L	100
53) m,p-Xylene	9.066	106	121377	5.49	ug/L	95
54) o-Xylene	9.471	106	112181	5.20	ug/L	98
55) Styrene	9.487	104	205653	5.64	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.168	83	64056	4.94	ug/L	98
59) Bromoform	9.657	173	25174	4.29	ug/L	97
60) Isopropylbenzene	9.857	105	314686	5.44	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	39697	4.39	ug/L	97
62) 1,3,5-Trimethylbenzene	10.467	105	229714	5.04	ug/L	98
63) 1,2,4-Trimethylbenzene	10.844	105	242834	5.36	ug/L	99
64) 1,3-Dichlorobenzene	11.107	146	154935	5.36	ug/L	98
65) 1,4-Dichlorobenzene	11.201	146	155271	5.27	ug/L	99
67) 1,2-Dichlorobenzene	11.570	146	138052	5.09	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	7884	4.28	ug/L	96
69) 1,3,5-Trichlorobenzene	12.573	180	99561	5.25	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	72029	5.02	ug/L	99
71) Naphthalene	13.435	128	91760	4.00	ug/L	97
72) 1,2,3-Trichlorobenzene	13.673	180	66107	4.97	ug/L	98

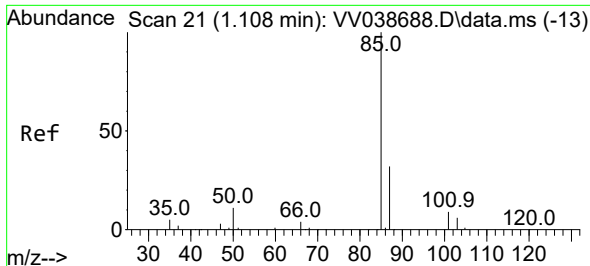
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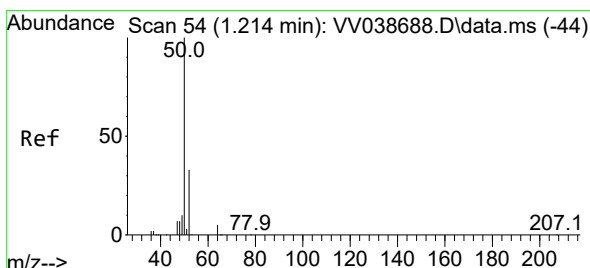
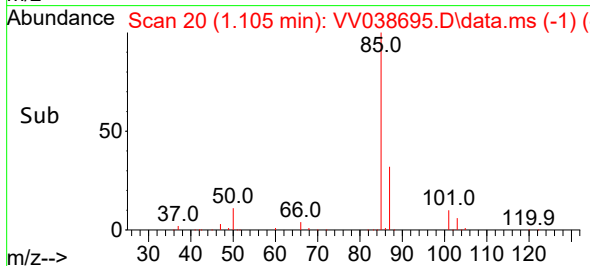
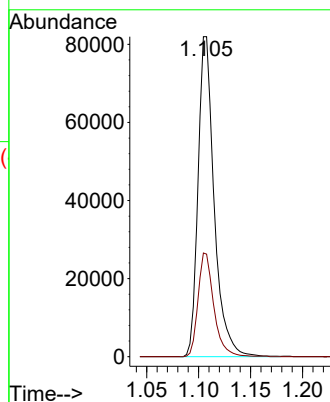
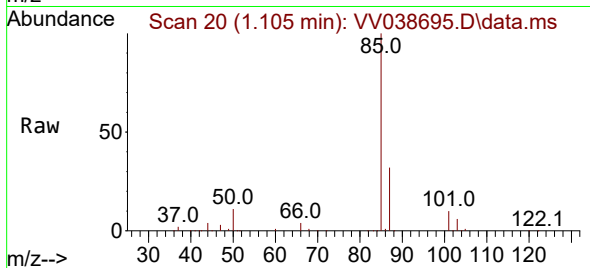




#2
Dichlorodifluoromethane
Concen: 4.73 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.003 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

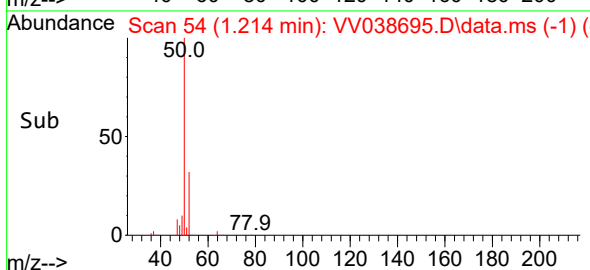
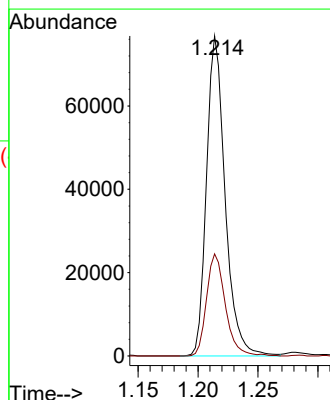
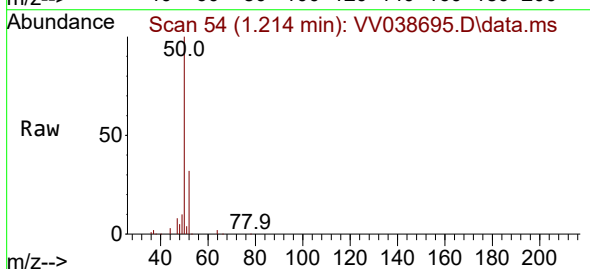
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

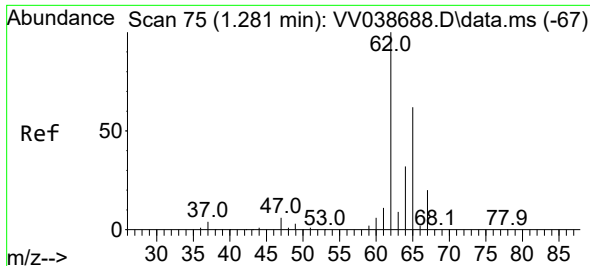
Tgt Ion: 85 Resp: 88807
Ion Ratio Lower Upper
85 100
87 31.8 25.5 38.3



#3
Chloromethane
Concen: 4.72 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Tgt Ion: 50 Resp: 83188
Ion Ratio Lower Upper
50 100
52 31.9 23.2 43.2

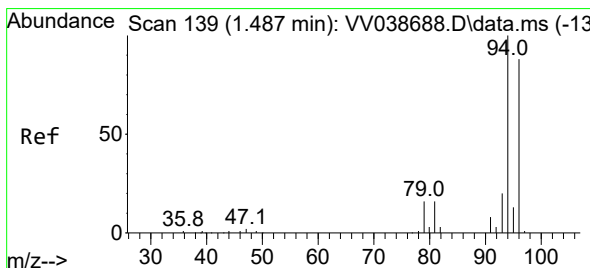
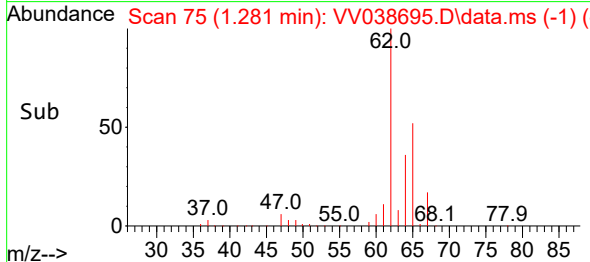
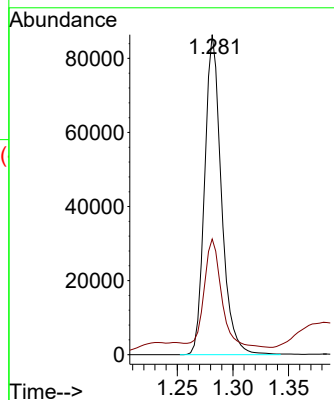
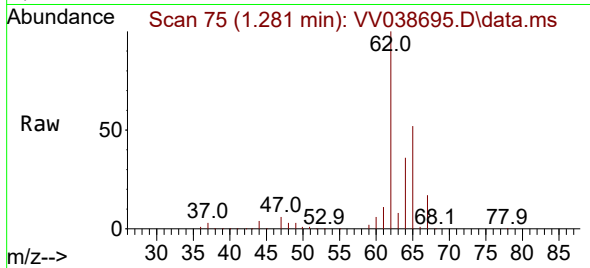




#5
 Vinyl chloride
 Concen: 4.84 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV038695.D
 Acq: 14 Feb 2025 14:47

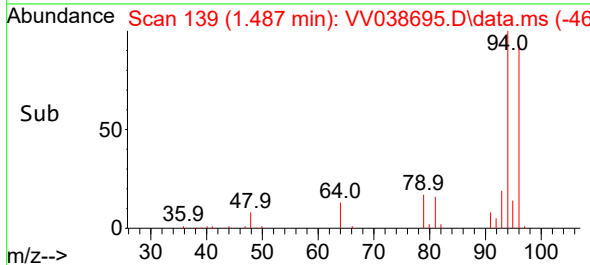
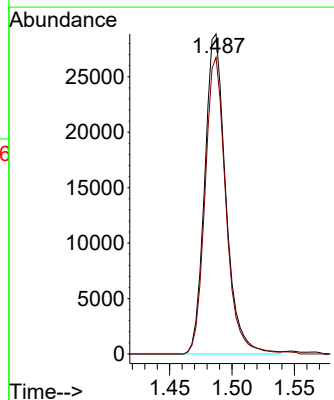
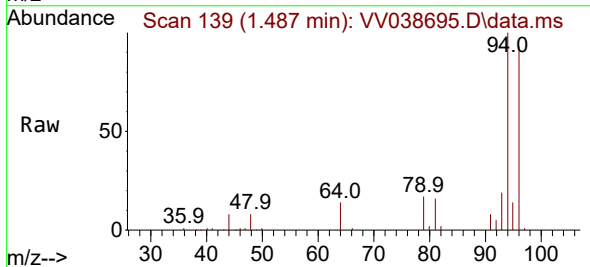
Instrument :
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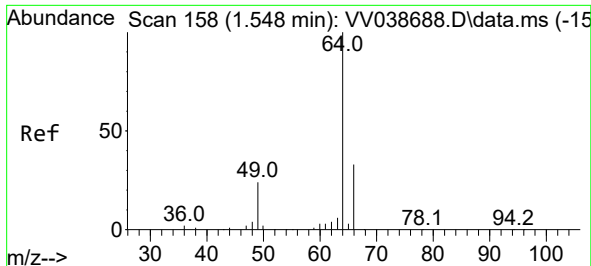
Tgt Ion: 62 Resp: 90368
 Ion Ratio Lower Upper
 62 100
 64 36.2 25.0 46.4



#6
 Bromomethane
 Concen: 4.22 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV038695.D
 Acq: 14 Feb 2025 14:47

Tgt Ion: 94 Resp: 33931
 Ion Ratio Lower Upper
 94 100
 96 92.6 64.3 119.3

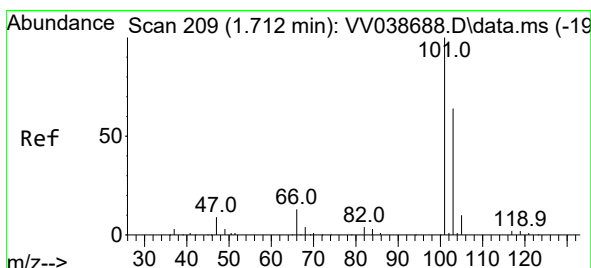
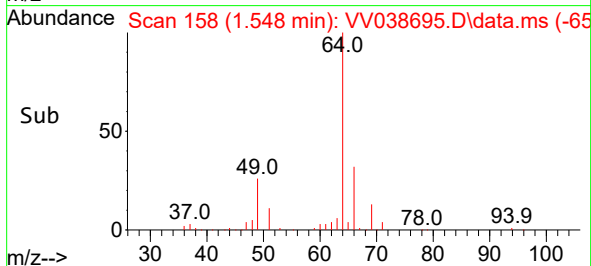
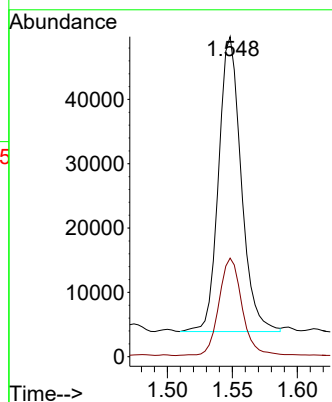
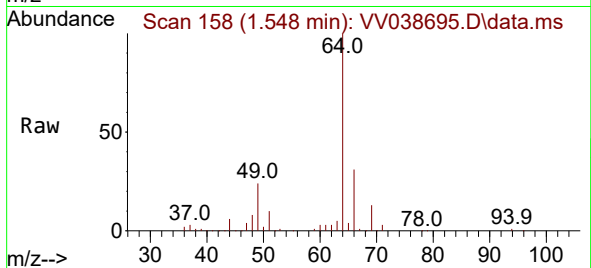




#8
Chloroethane
Concen: 4.79 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

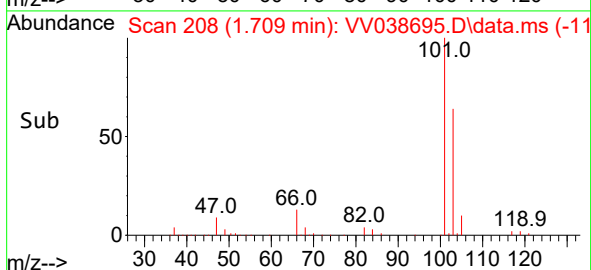
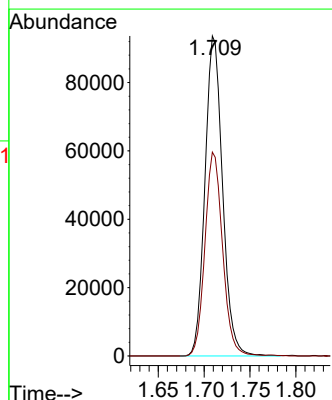
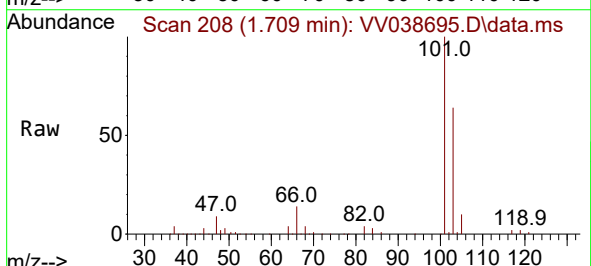
Instrument :
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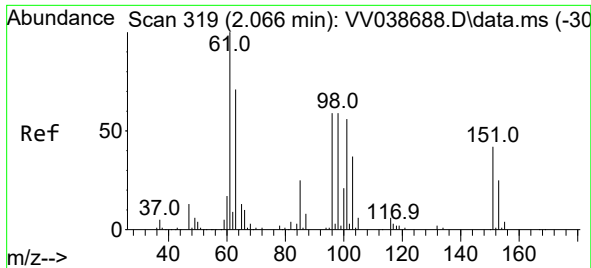
Tgt Ion: 64 Resp: 55373
Ion Ratio Lower Upper
64 100
66 30.8 20.9 38.7



#9
Trichlorofluoromethane
Concen: 5.01 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.003 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Tgt Ion:101 Resp: 124891
Ion Ratio Lower Upper
101 100
103 63.8 52.4 78.6

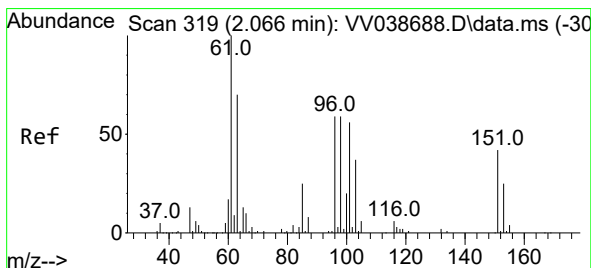
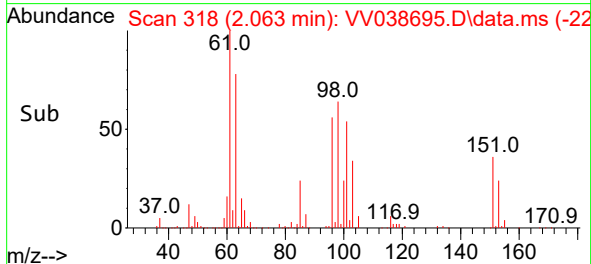
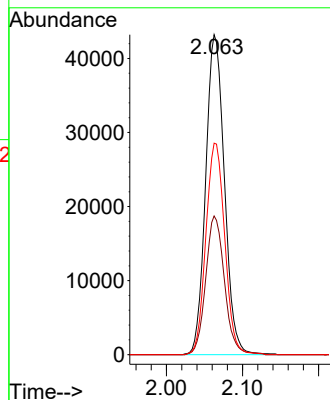
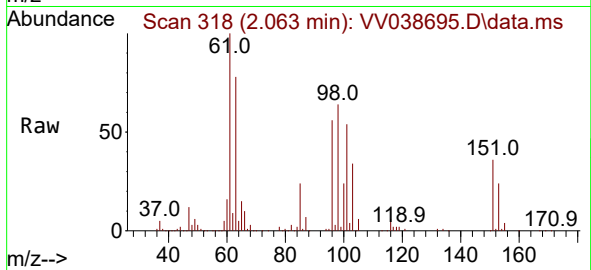




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.34 ug/L
RT: 2.063 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV038695.D
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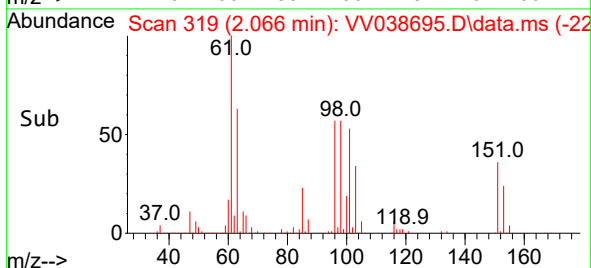
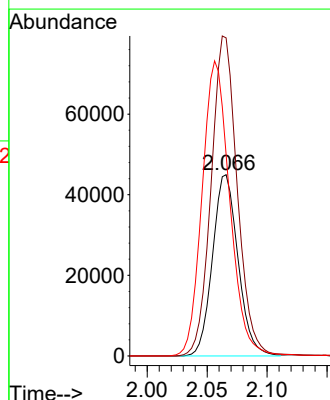
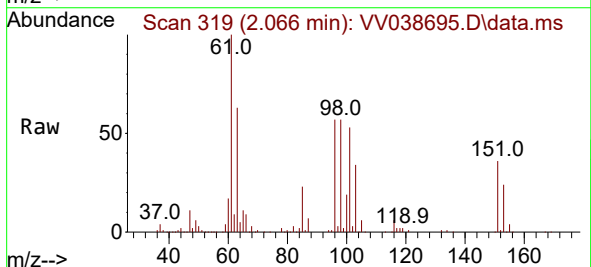
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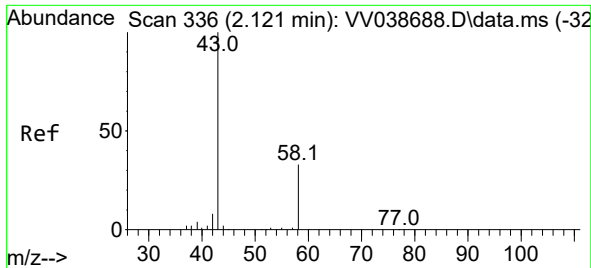
Tgt Ion:101 Resp: 74038
Ion Ratio Lower Upper
101 100
85 43.5 35.0 52.4
151 66.6 55.1 82.7



#12
1,1-Dichloroethene
Concen: 4.94 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Tgt Ion: 96 Resp: 66455
Ion Ratio Lower Upper
96 100
61 175.4 122.8 228.1
63 111.0 92.0 170.8





#13

Acetone

Concen: 44.49 ug/L

RT: 2.130 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

Instrument :

MSVOA_V

ClientSampleId :

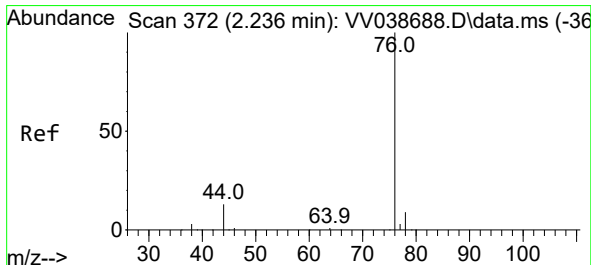
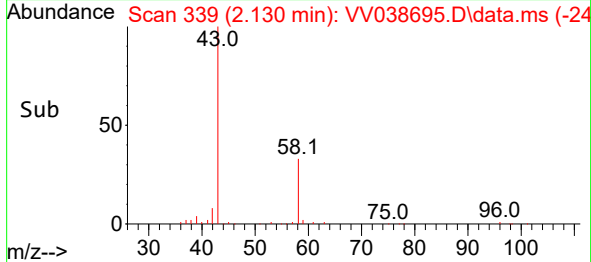
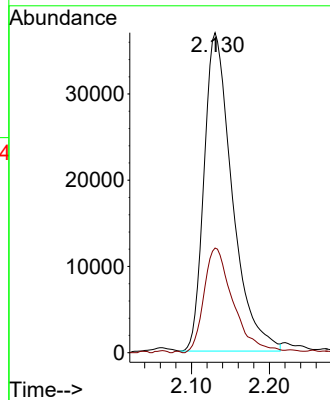
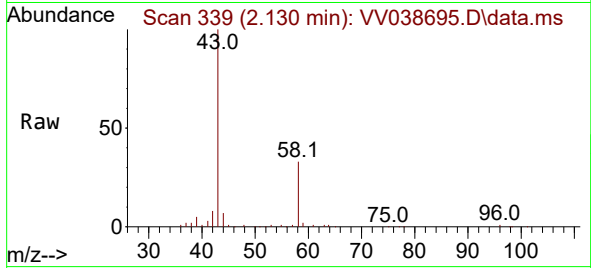
VSTD005347

Tgt Ion: 43 Resp: 92755

Ion Ratio Lower Upper

43 100

58 34.0 0.0 67.4



#14

Carbon disulfide

Concen: 4.92 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.000 min

Lab File: VV038695.D

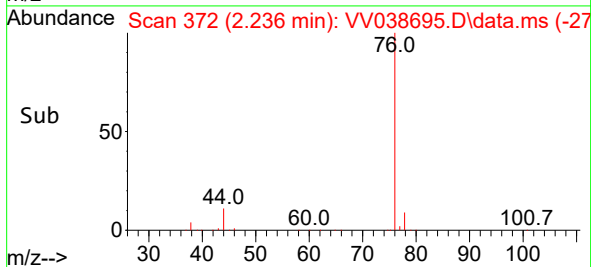
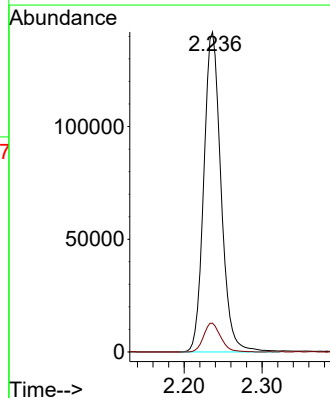
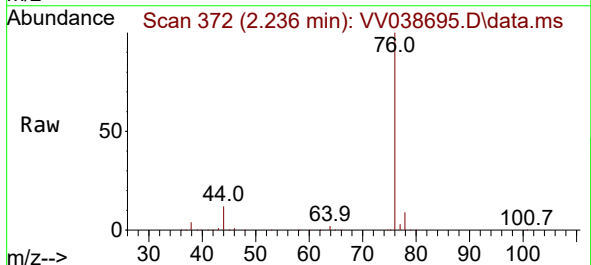
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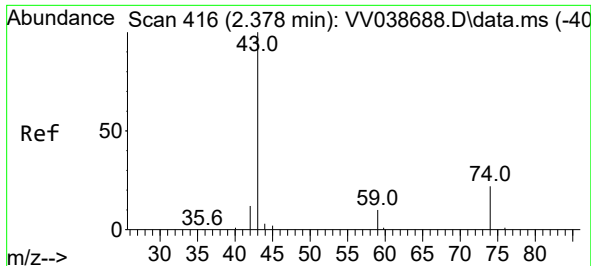
Tgt Ion: 76 Resp: 218072

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

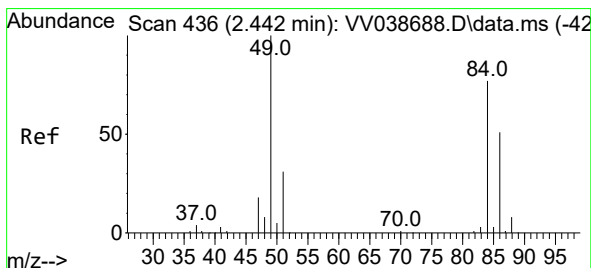
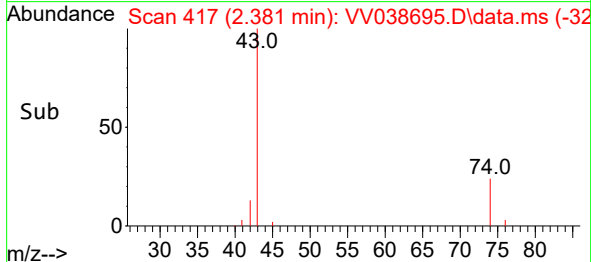
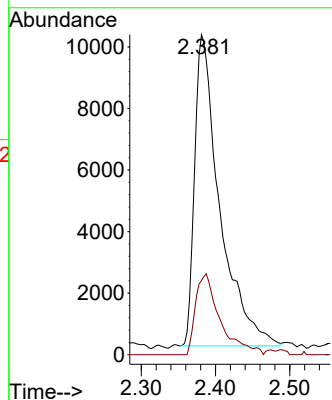
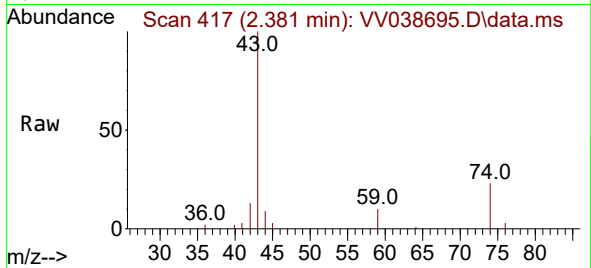




#15
Methyl Acetate
Concen: 4.44 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

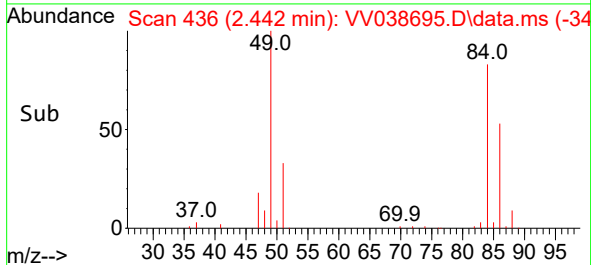
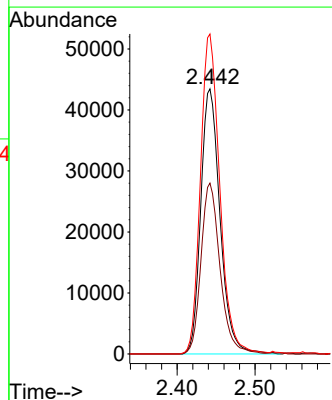
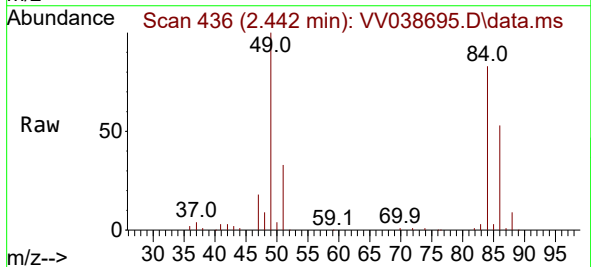
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

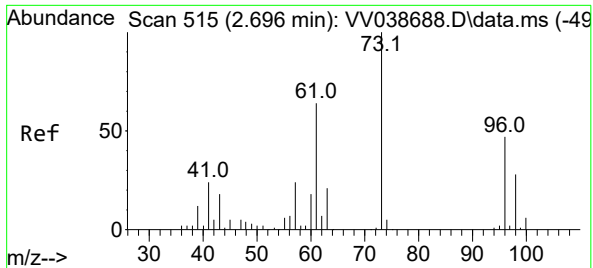
Tgt Ion: 43 Resp: 23829
Ion Ratio Lower Upper
43 100
74 25.2 18.6 27.8



#16
Methylene chloride
Concen: 4.89 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Tgt Ion: 84 Resp: 74813
Ion Ratio Lower Upper
84 100
86 64.5 46.0 85.4
49 120.7 83.9 155.9

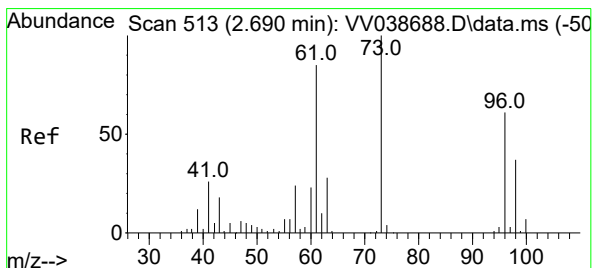
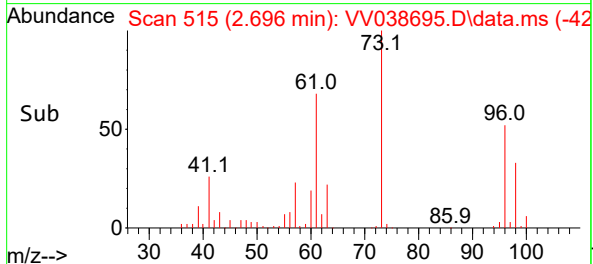
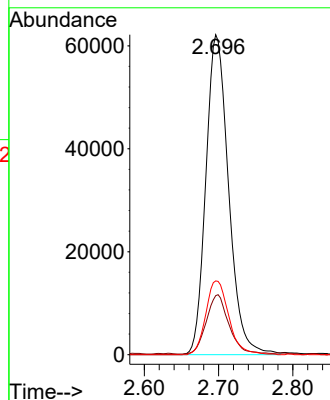
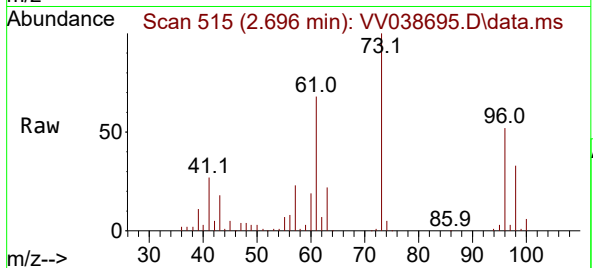




#17
Methyl tert-butyl Ether
Concen: 4.80 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

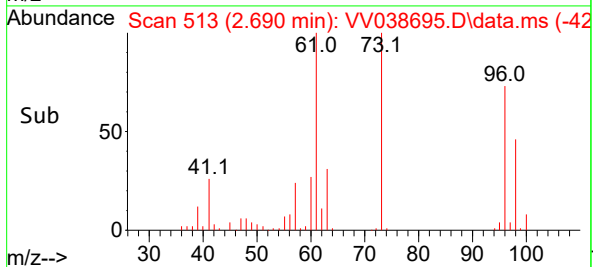
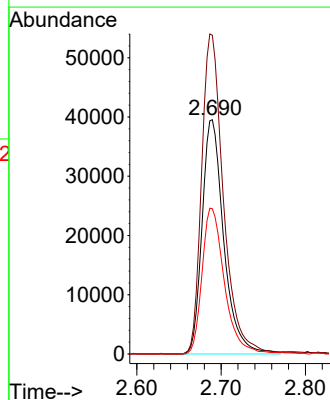
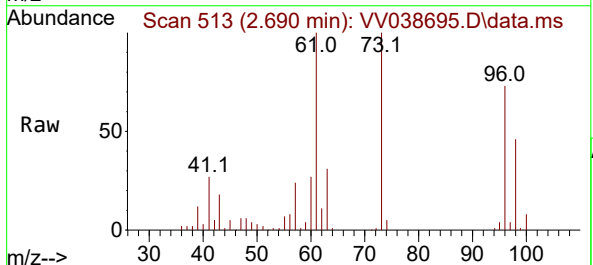
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

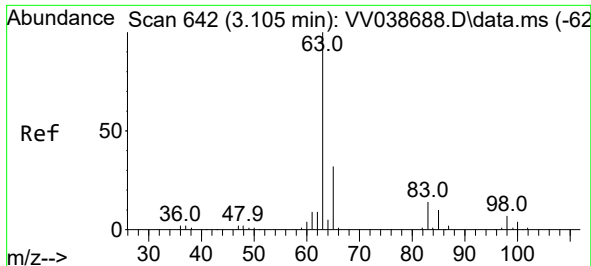
Tgt Ion: 73	Resp: 132172
Ion Ratio	Lower Upper
73 100	
43 18.7	14.6 22.0
57 23.3	18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 5.27 ug/L
RT: 2.690 min Scan# 513
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Tgt Ion: 96	Resp: 70915		
Ion Ratio	Lower	Upper	
96	100		
61	136.1	91.4	169.8
98	62.0	41.6	77.2

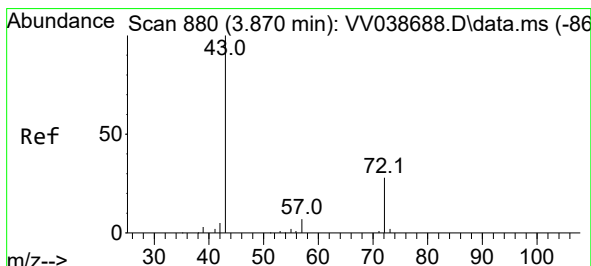
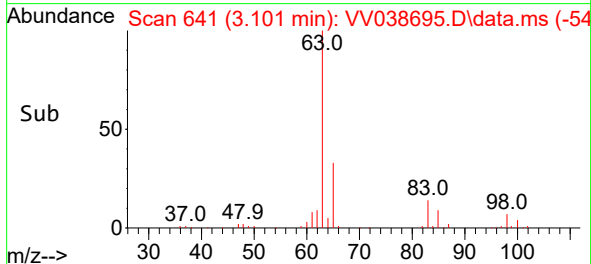
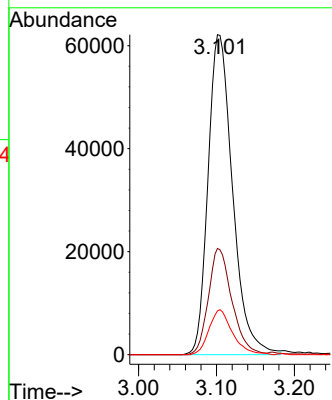
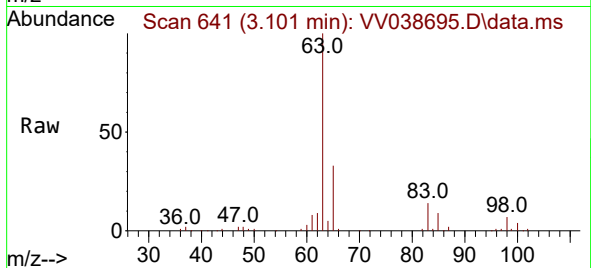




#19
1,1-Dichloroethane
Concen: 5.25 ug/L
RT: 3.101 min Scan# 641
Delta R.T. -0.003 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

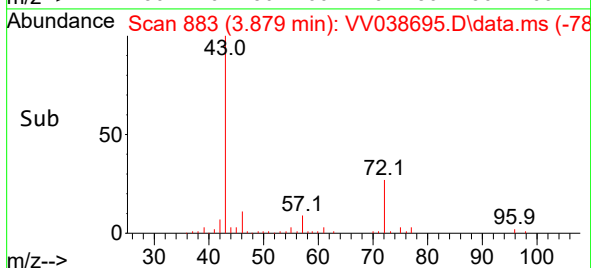
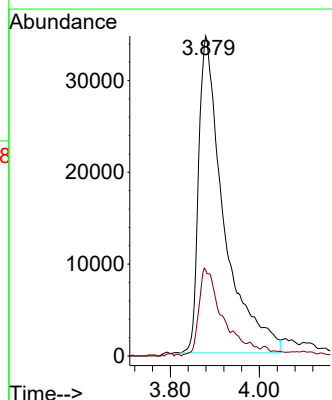
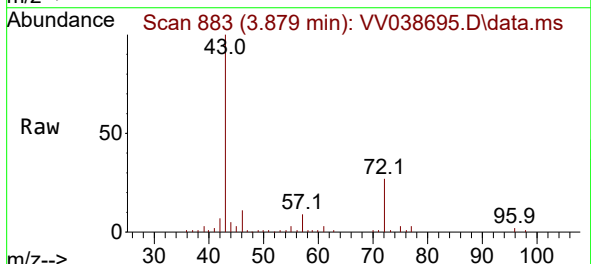
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

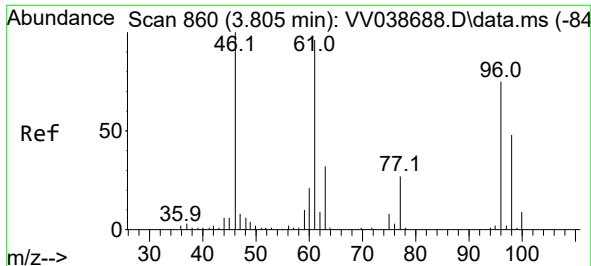
Tgt Ion: 63 Resp: 136144
Ion Ratio Lower Upper
63 100
65 33.2 21.8 40.4
83 13.7 9.2 17.2



#21
2-Butanone
Concen: 43.31 ug/L
RT: 3.879 min Scan# 883
Delta R.T. 0.010 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Tgt Ion: 43 Resp: 135548
Ion Ratio Lower Upper
43 100
72 21.8 11.9 35.5





#22

cis-1,2-Dichloroethene

Concen: 5.10 ug/L

RT: 3.805 min Scan# 860

Delta R.T. -0.000 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD005347

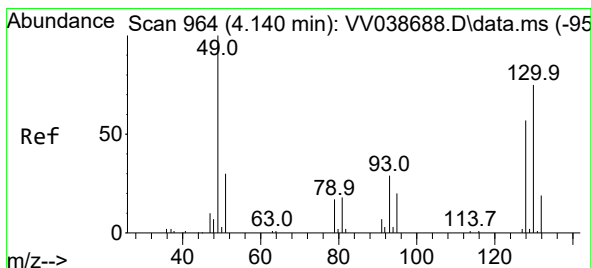
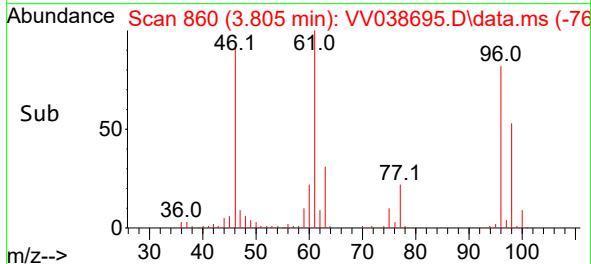
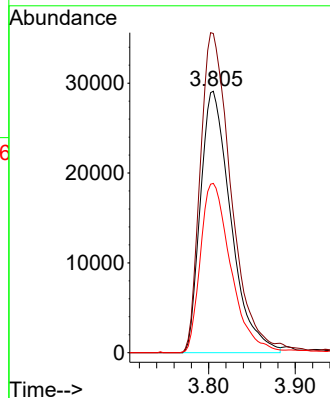
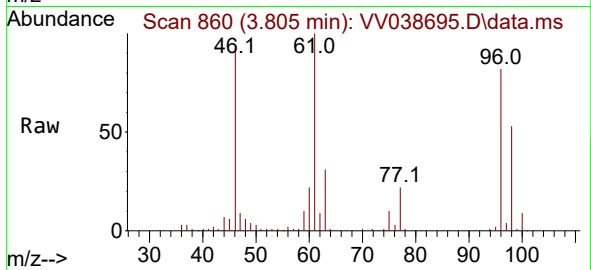
Tgt Ion: 96 Resp: 70870

Ion Ratio Lower Upper

96 100

61 122.1 83.6 155.2

98 64.7 45.6 84.8



#23

Bromochloromethane

Concen: 4.86 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.003 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

Tgt Ion: 128 Resp: 32094

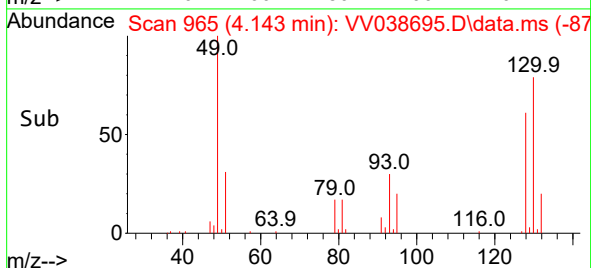
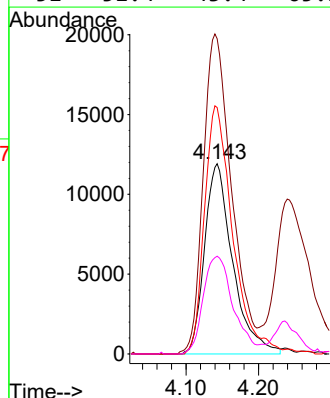
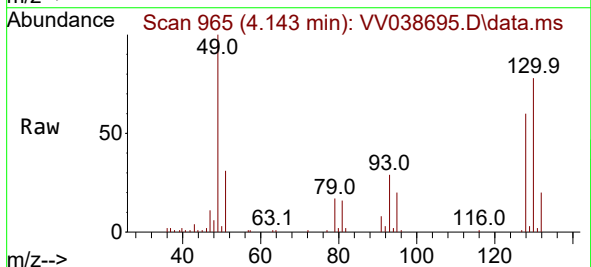
Ion Ratio Lower Upper

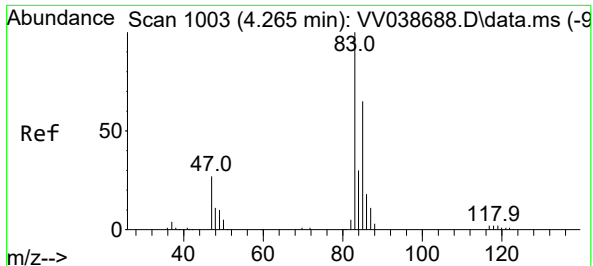
128 100

49 165.6 116.0 215.4

130 129.5 90.2 167.6

51 51.4 43.4 65.2





#25

Chloroform

Concen: 5.37 ug/L

RT: 4.265 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

Instrument :

MSVOA_V

ClientSampleId :

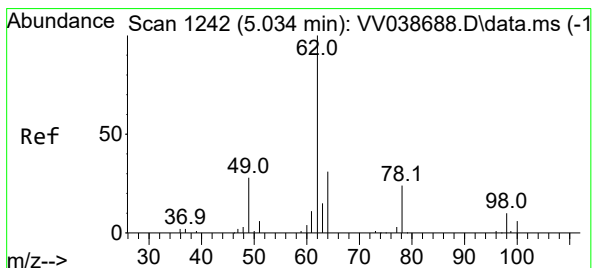
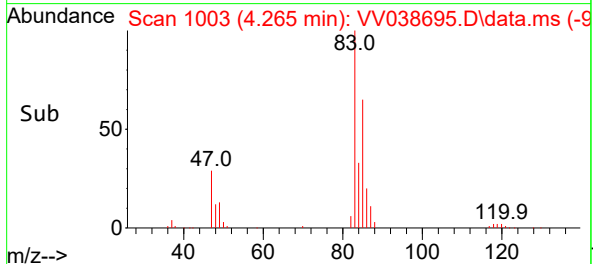
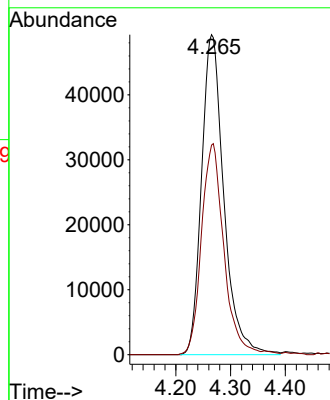
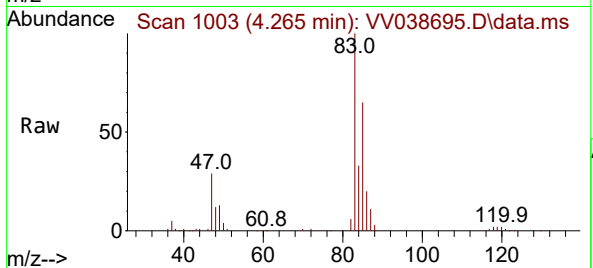
VSTD005347

Tgt Ion: 83 Resp: 139130

Ion Ratio Lower Upper

83 100

85 65.5 47.2 87.6



#27

1,2-Dichloroethane

Concen: 5.00 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV038695.D

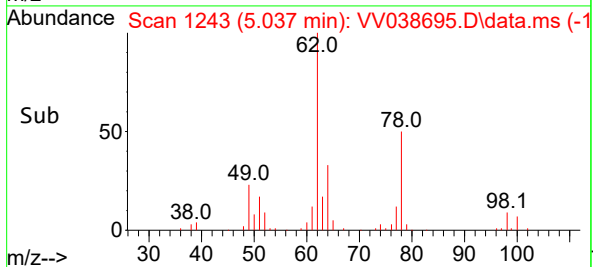
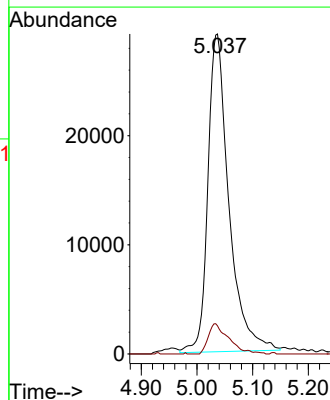
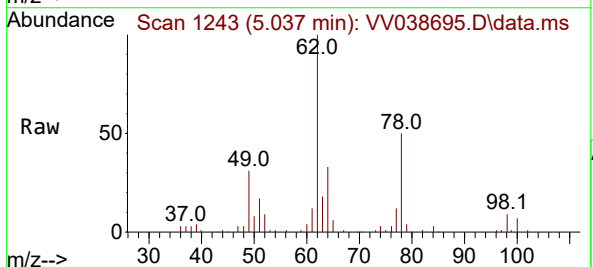
Acq: 14 Feb 2025 14:47

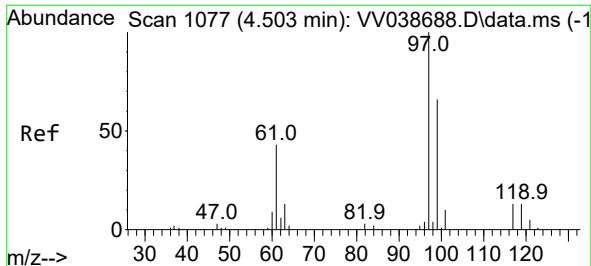
Tgt Ion: 62 Resp: 76253

Ion Ratio Lower Upper

62 100

98 8.8 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 5.05 ug/L

RT: 4.500 min Scan# 1077

Delta R.T. -0.003 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD005347

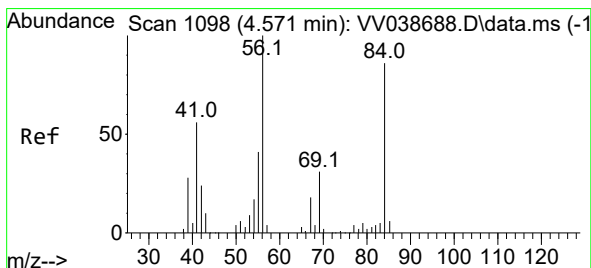
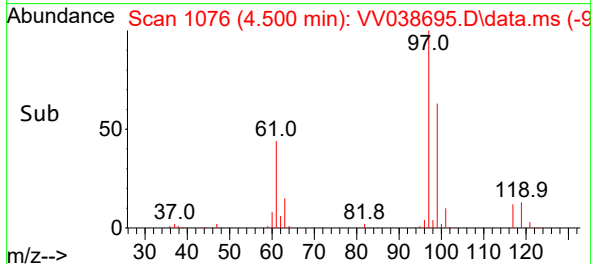
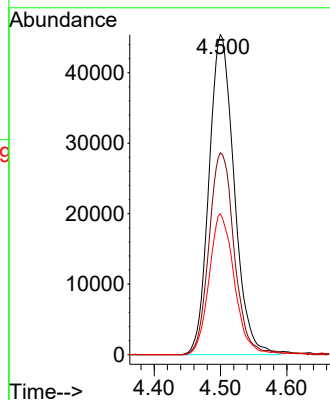
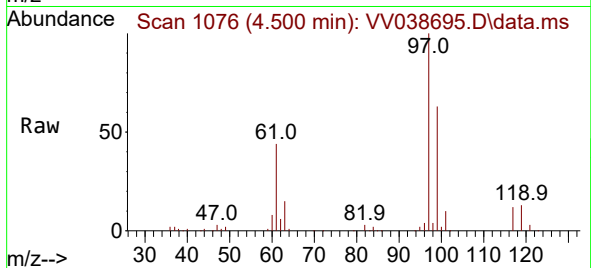
Tgt Ion: 97 Resp: 119833

Ion Ratio Lower Upper

97 100

99 63.2 50.9 76.3

61 43.9 35.8 53.6



#30

Cyclohexane

Concen: 4.86 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. -0.000 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

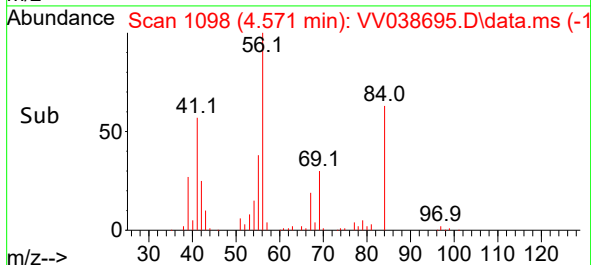
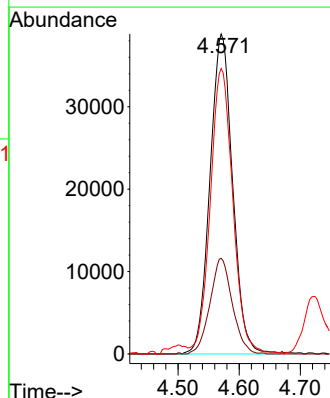
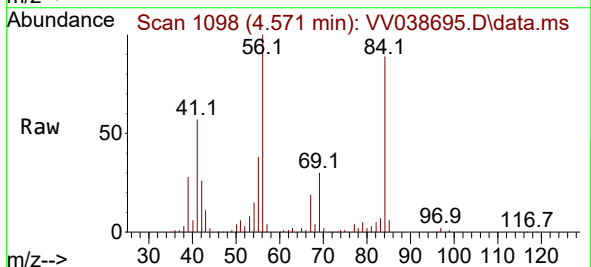
Tgt Ion: 56 Resp: 99627

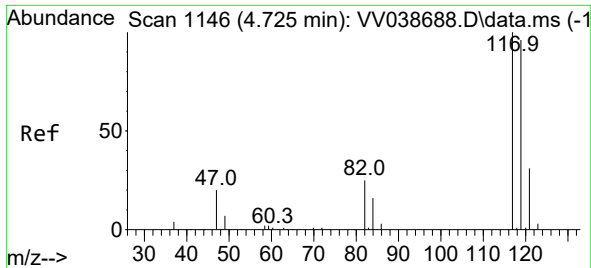
Ion Ratio Lower Upper

56 100

69 29.5 24.0 36.0

84 87.8 72.7 109.1

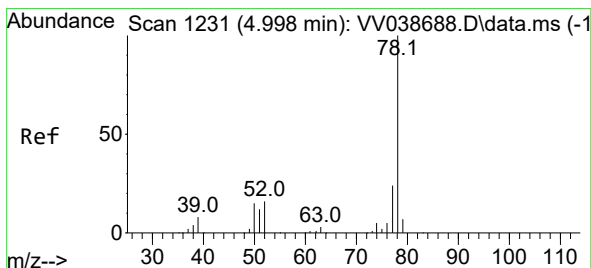
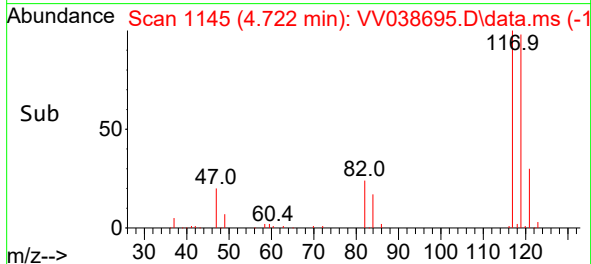
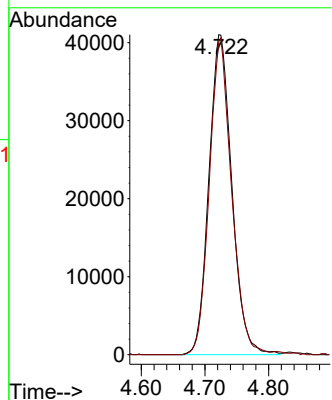
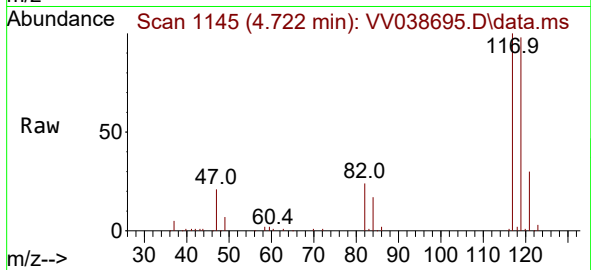




#31
Carbon tetrachloride
Concen: 4.96 ug/L
RT: 4.722 min Scan# 1145
Delta R.T. -0.003 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

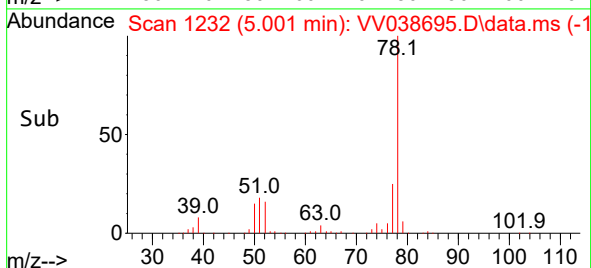
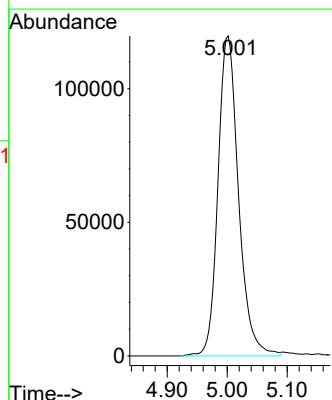
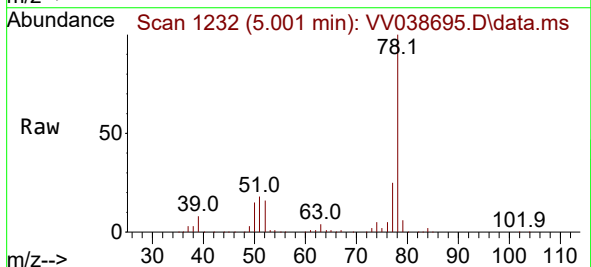
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

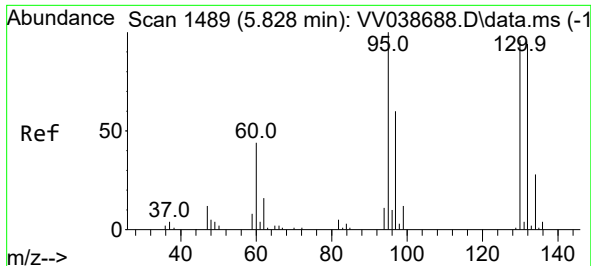
Tgt Ion:117 Resp: 102704
Ion Ratio Lower Upper
117 100
119 95.6 76.5 114.7



#33
Benzene
Concen: 5.34 ug/L
RT: 5.001 min Scan# 1232
Delta R.T. 0.003 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Tgt Ion: 78 Resp: 284293



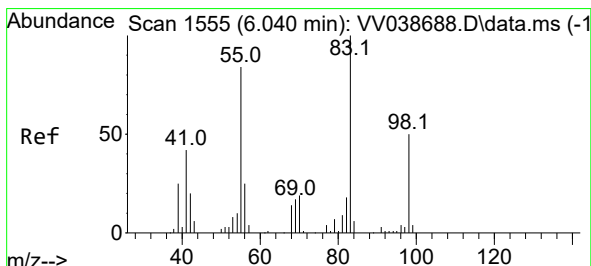
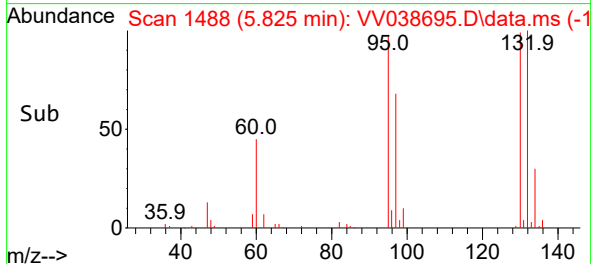
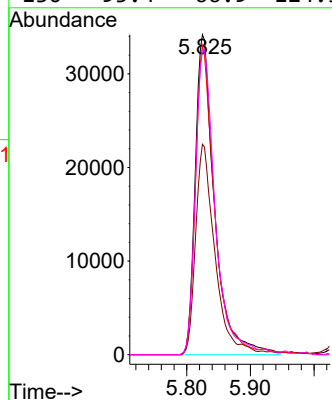
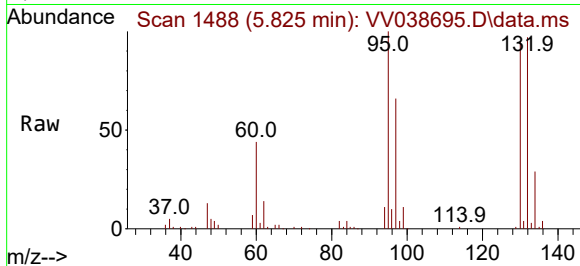


#34
Trichloroethene
Concen: 5.28 ug/L
RT: 5.825 min Scan# 1489
Delta R.T. -0.003 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

Tgt Ion: 95 Resp: 72289

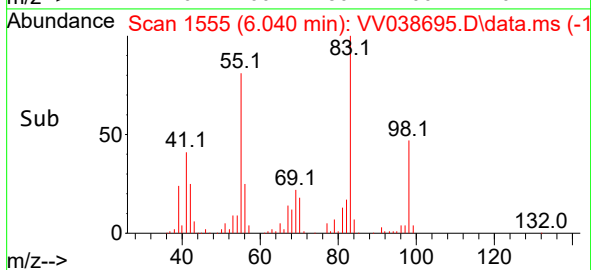
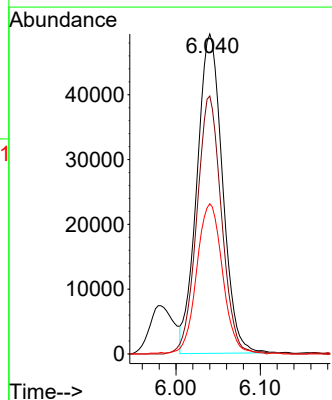
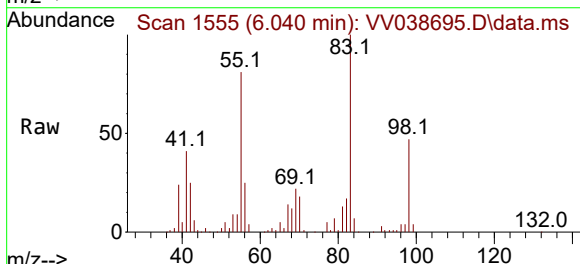
Ion	Ratio	Lower	Upper
95	100		
97	65.7	43.5	80.9
132	96.6	64.0	118.8
130	95.4	66.9	124.3

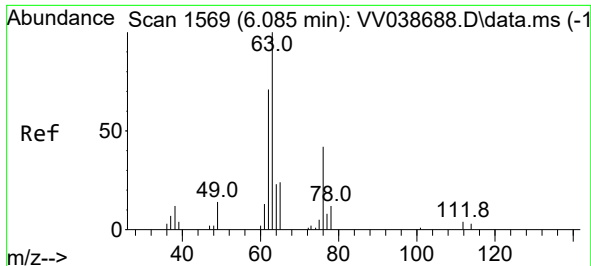


#35
Methylcyclohexane
Concen: 4.84 ug/L
RT: 6.040 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Tgt Ion: 83 Resp: 104094

Ion	Ratio	Lower	Upper
83	100		
55	77.9	62.6	94.0
98	47.8	38.7	58.1





#37

1,2-Dichloropropane

Concen: 5.64 ug/L

RT: 6.085 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

Instrument :

MSVOA_V

ClientSampleId :

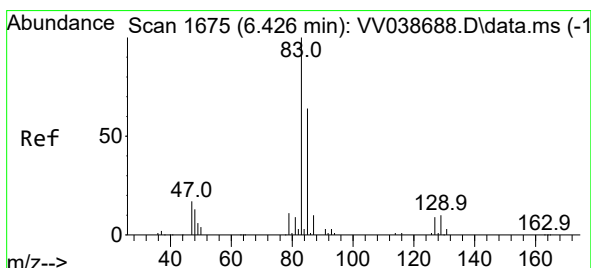
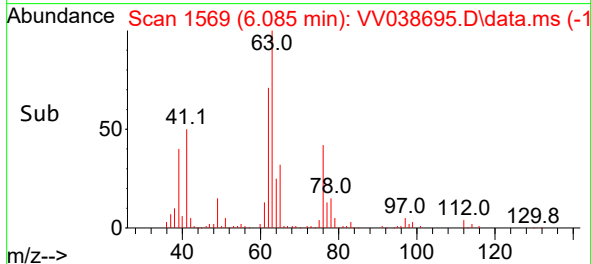
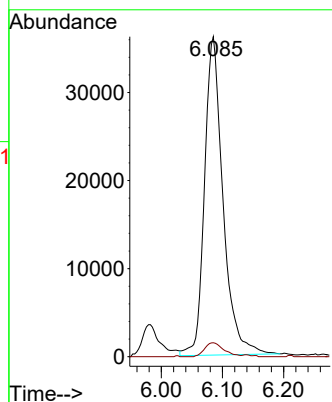
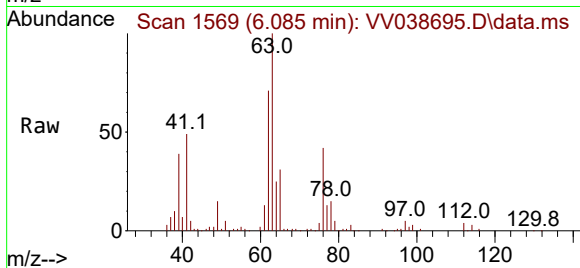
VSTD005347

Tgt Ion: 63 Resp: 75923

Ion Ratio Lower Upper

63 100

112 4.6 3.6 5.4



#38

Bromodichloromethane

Concen: 5.06 ug/L

RT: 6.423 min Scan# 1674

Delta R.T. -0.003 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

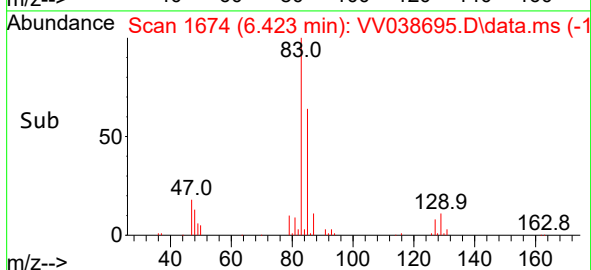
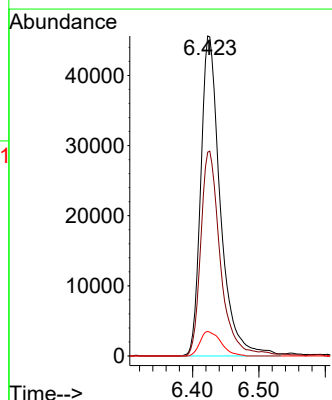
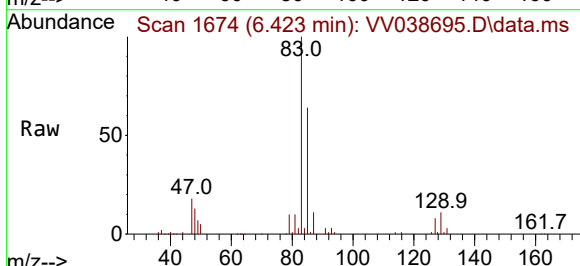
Tgt Ion: 83 Resp: 93479

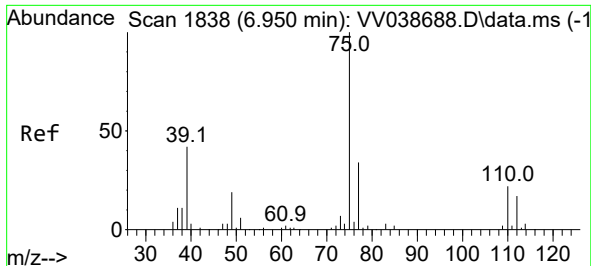
Ion Ratio Lower Upper

83 100

85 63.7 44.0 81.6

127 7.7 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 5.07 ug/L

RT: 6.947 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

Instrument :

MSVOA_V

ClientSampleId :

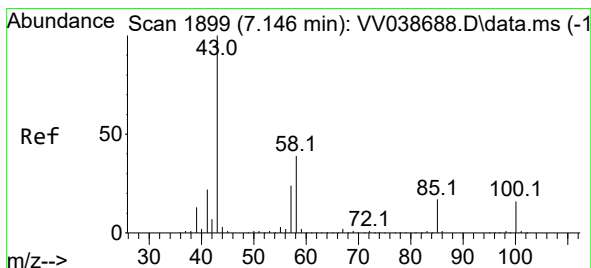
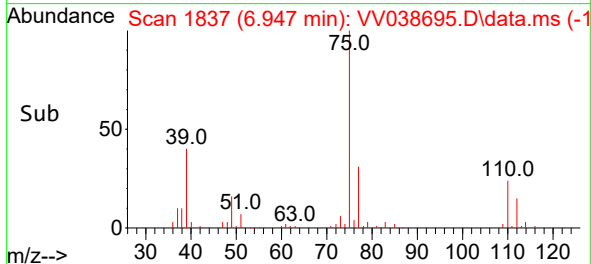
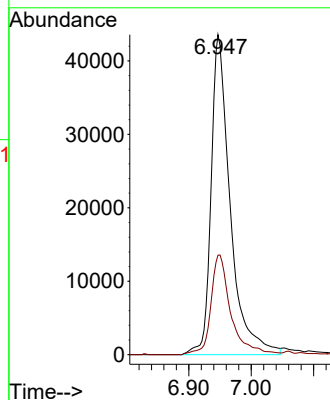
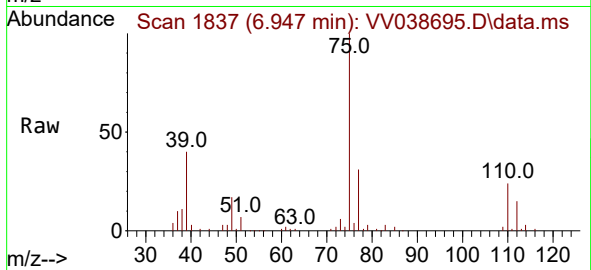
VSTD005347

Tgt Ion: 75 Resp: 92946

Ion Ratio Lower Upper

75 100

77 31.1 21.3 39.5



#40

4-Methyl-2-pentanone

Concen: 49.69 ug/L

RT: 7.149 min Scan# 1900

Delta R.T. 0.003 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

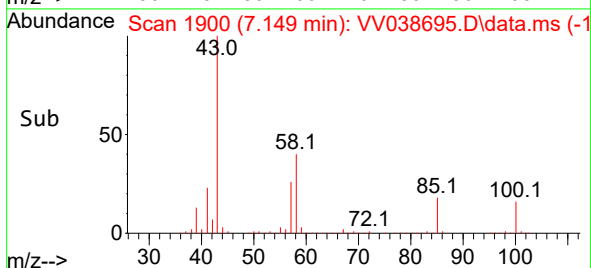
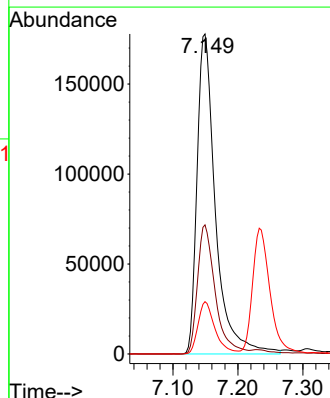
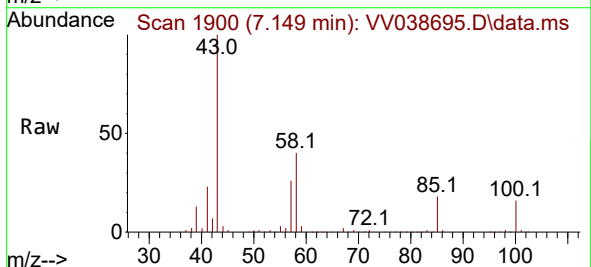
Tgt Ion: 43 Resp: 351292

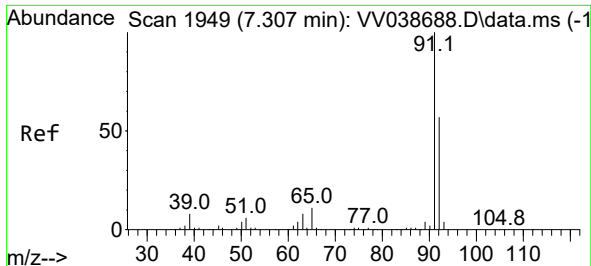
Ion Ratio Lower Upper

43 100

58 38.8 31.1 46.7

100 15.1 12.0 18.0

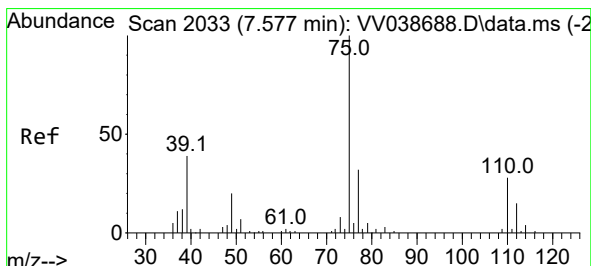
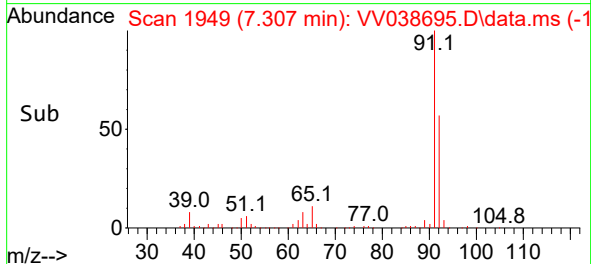
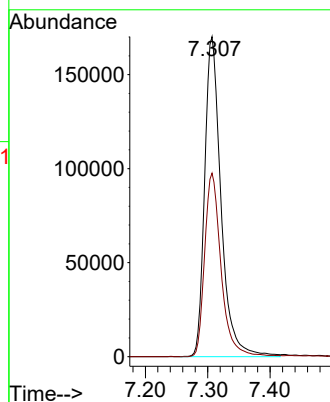
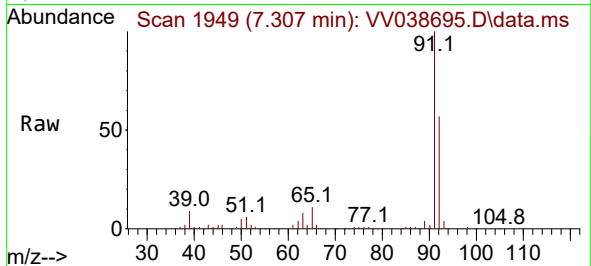




#42
Toluene
Concen: 5.50 ug/L
RT: 7.307 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

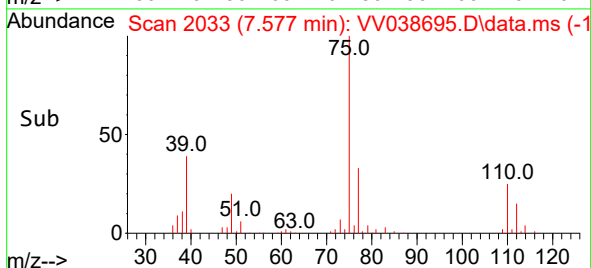
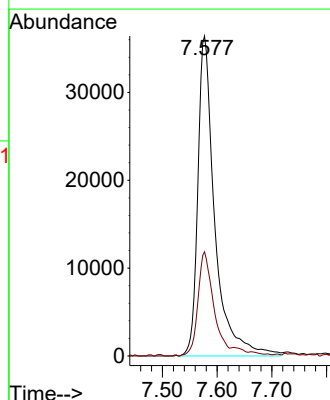
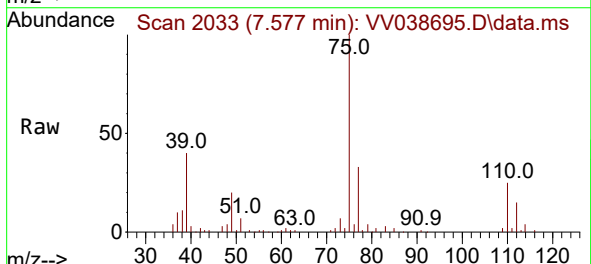
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

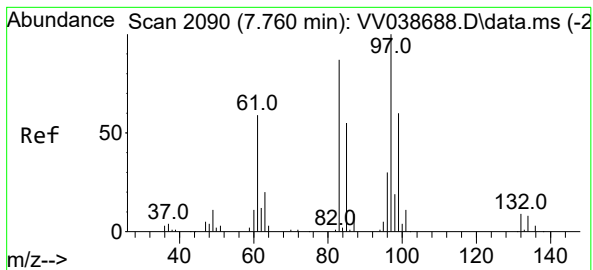
Tgt Ion: 91 Resp: 311093
Ion Ratio Lower Upper
91 100
92 57.3 39.3 72.9



#44
trans-1,3-Dichloropropene
Concen: 5.08 ug/L
RT: 7.577 min Scan# 2033
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Tgt Ion: 75 Resp: 78253
Ion Ratio Lower Upper
75 100
77 32.5 21.4 39.8





#45

1,1,2-Trichloroethane

Concen: 4.91 ug/L

RT: 7.760 min Scan# 2090

Delta R.T. -0.000 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD005347

Tgt Ion: 97 Resp: 51691

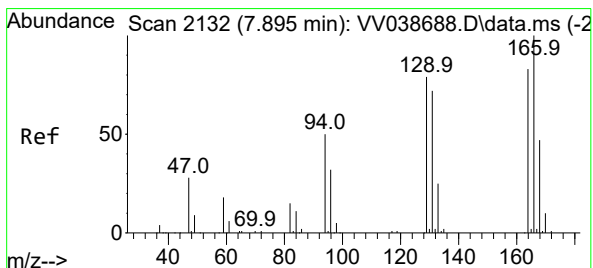
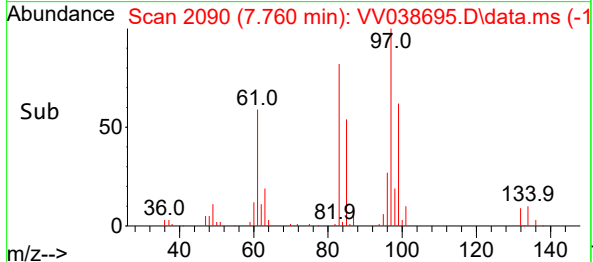
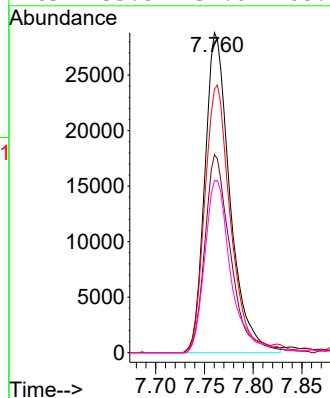
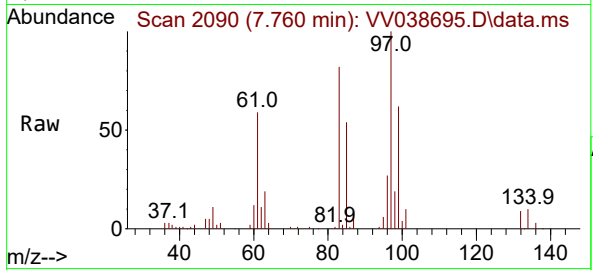
Ion Ratio Lower Upper

97 100

99 61.9 42.7 79.3

83 82.3 57.2 106.2

85 53.8 37.0 68.8



#47

Tetrachloroethene

Concen: 5.24 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. -0.000 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

Tgt Ion:164 Resp: 55731

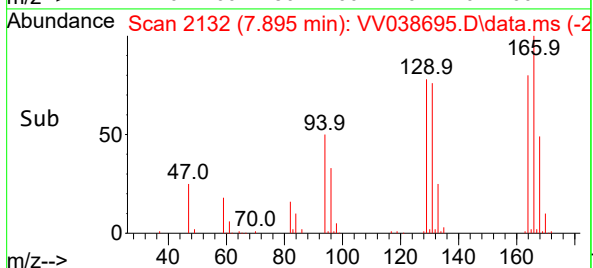
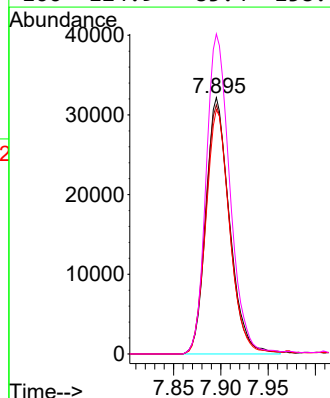
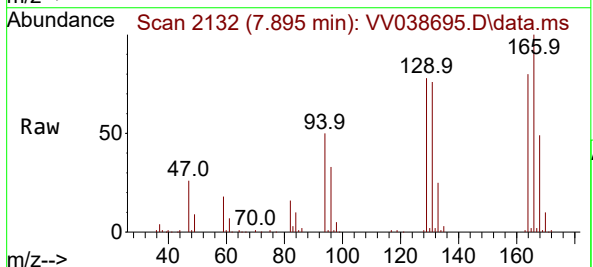
Ion Ratio Lower Upper

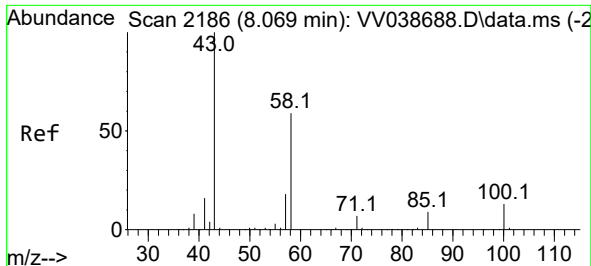
164 100

129 97.2 66.3 123.1

131 95.3 63.2 117.4

166 124.9 85.4 158.6

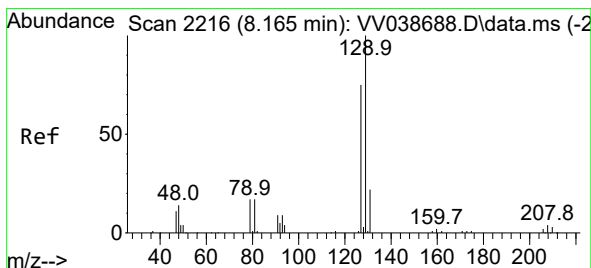
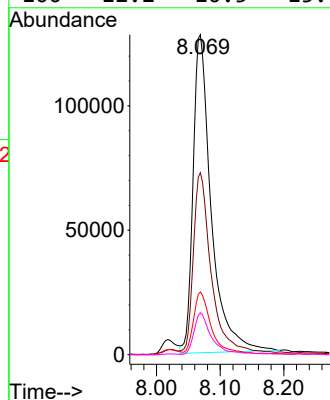
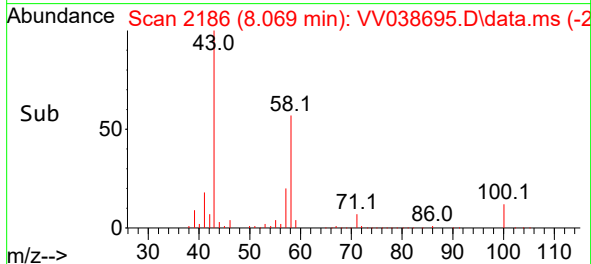
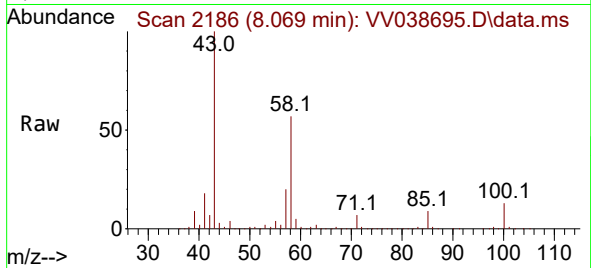




#48
2-Hexanone
Concen: 48.59 ug/L
RT: 8.069 min Scan# 2186
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

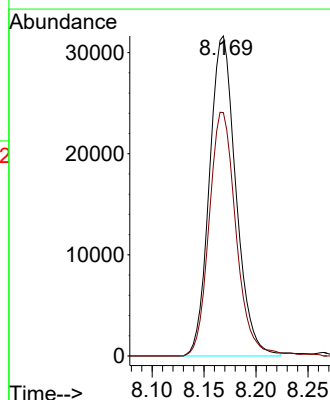
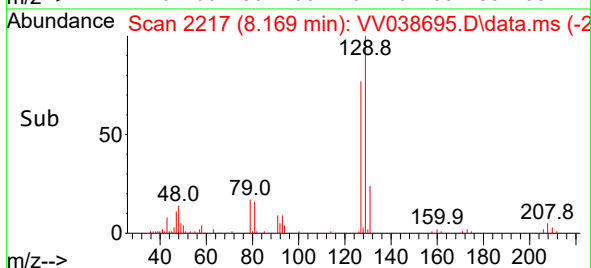
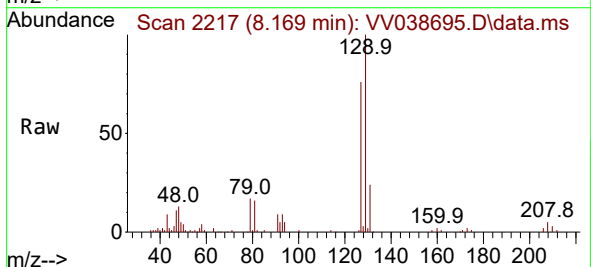
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

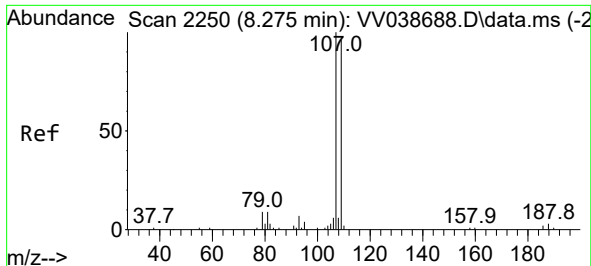
Tgt Ion: 43 Resp: 253477
Ion Ratio Lower Upper
43 100
58 55.6 46.1 69.1
57 18.7 15.0 22.6
100 12.2 10.5 15.7



#49
Dibromochloromethane
Concen: 4.80 ug/L
RT: 8.169 min Scan# 2217
Delta R.T. 0.003 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Tgt Ion: 129 Resp: 56096
Ion Ratio Lower Upper
129 100
127 76.0 53.5 99.3





#50

1,2-Dibromoethane

Concen: 4.93 ug/L

RT: 8.275 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD005347

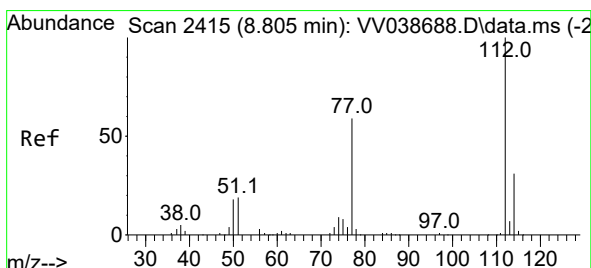
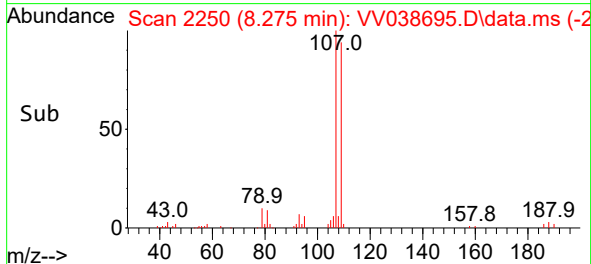
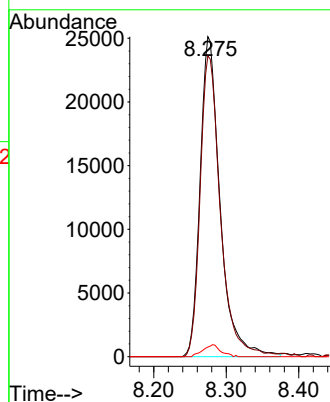
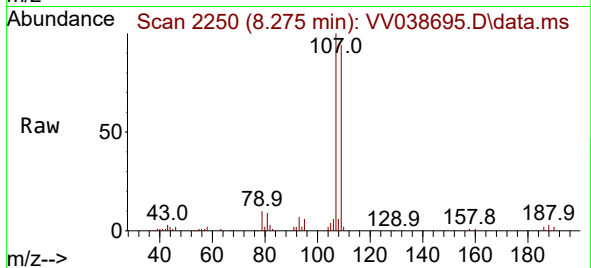
Tgt Ion:107 Resp: 48004

Ion Ratio Lower Upper

107 100

109 94.0 70.2 130.4

188 3.0 2.8 4.2



#51

Chlorobenzene

Concen: 5.16 ug/L

RT: 8.805 min Scan# 2415

Delta R.T. -0.000 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

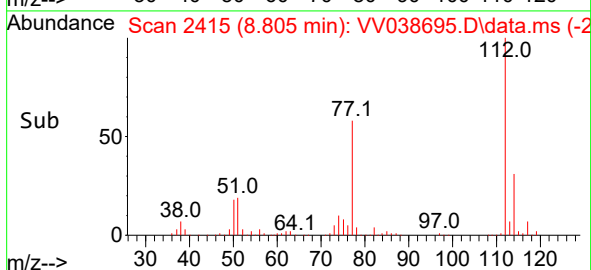
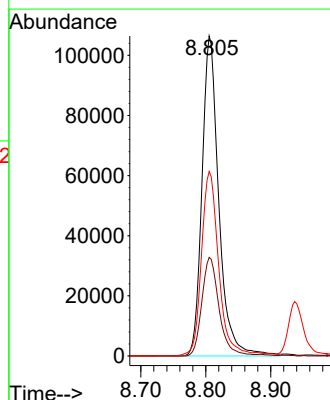
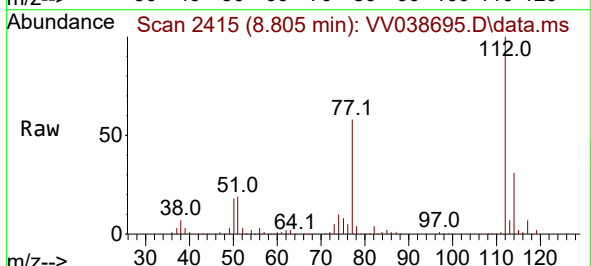
Tgt Ion:112 Resp: 191939

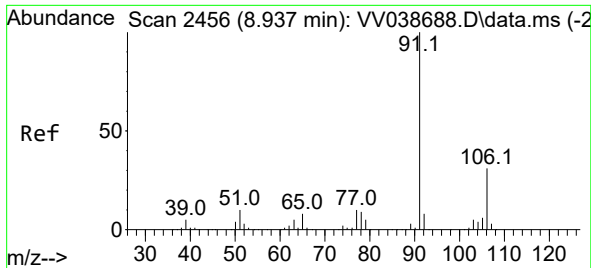
Ion Ratio Lower Upper

112 100

114 30.8 22.6 42.0

77 57.7 47.0 70.6

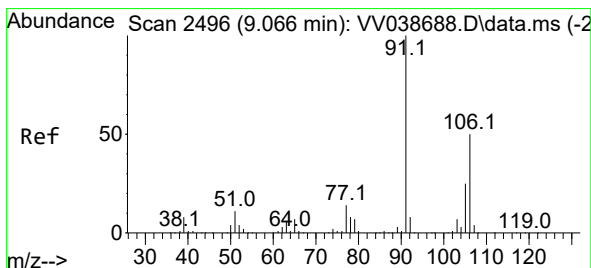
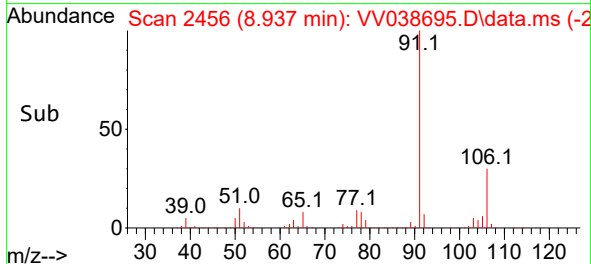
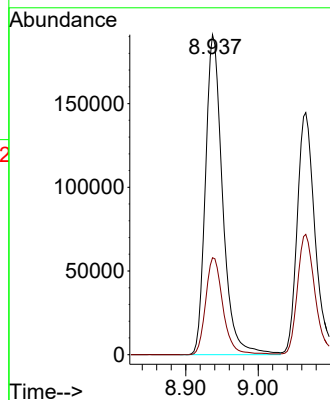
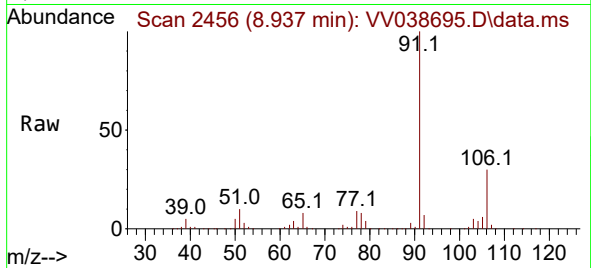




#52
Ethylbenzene
Concen: 5.22 ug/L
RT: 8.937 min Scan# 2456
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

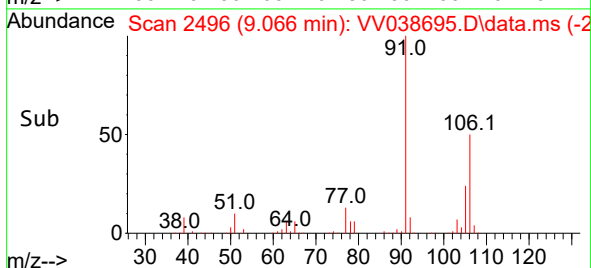
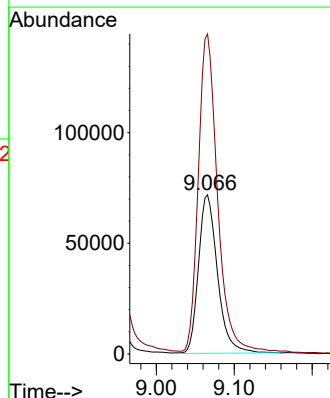
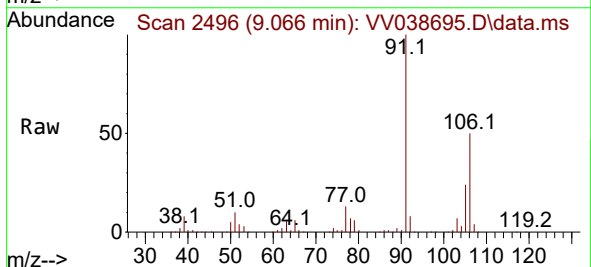
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

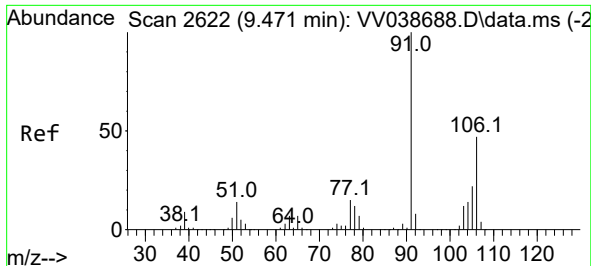
Tgt Ion: 91 Resp: 313488
Ion Ratio Lower Upper
91 100
106 30.3 21.3 39.6



#53
m,p-Xylene
Concen: 5.49 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Tgt Ion: 106 Resp: 121377
Ion Ratio Lower Upper
106 100
91 201.2 146.3 271.7

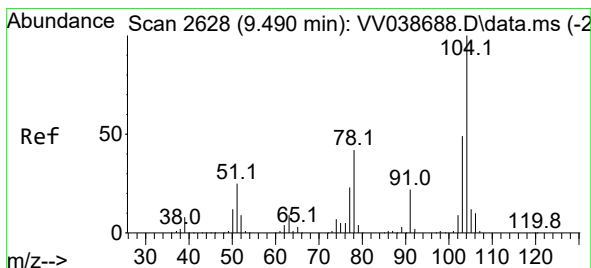
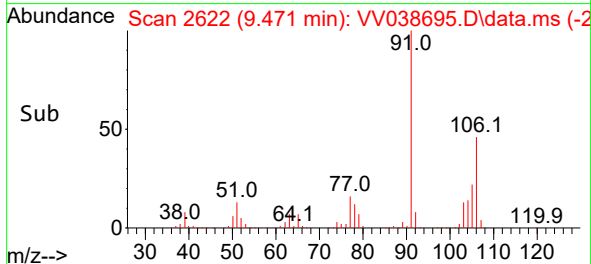
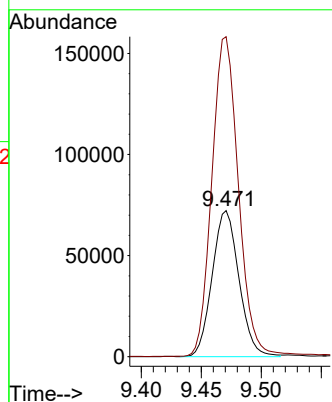
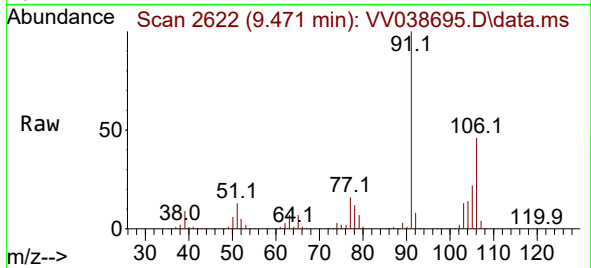




#54
o-Xylene
Concen: 5.20 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

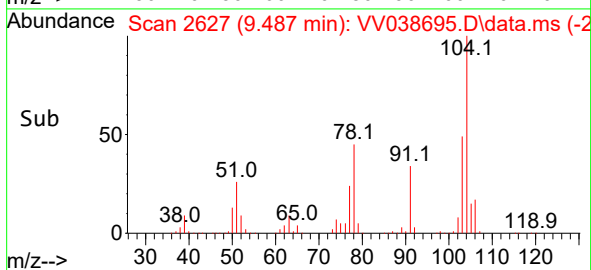
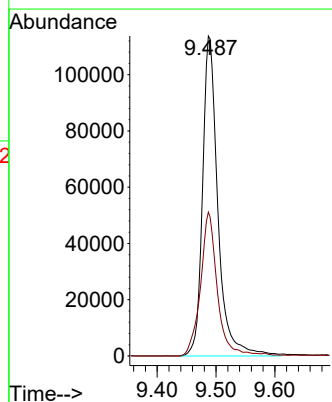
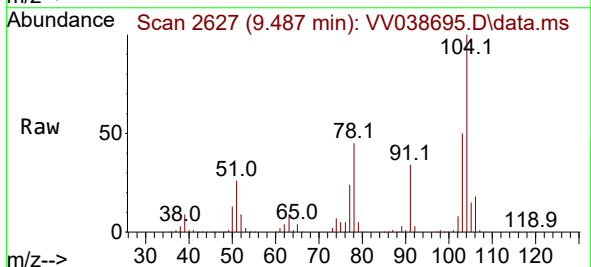
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

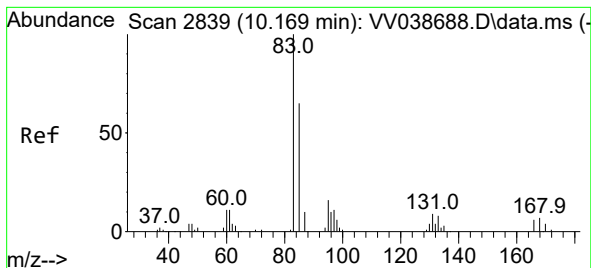
Tgt Ion:106 Resp: 112181
Ion Ratio Lower Upper
106 100
91 219.1 150.8 280.0



#55
Styrene
Concen: 5.64 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.003 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Tgt Ion:104 Resp: 205653
Ion Ratio Lower Upper
104 100
78 44.9 30.5 56.7

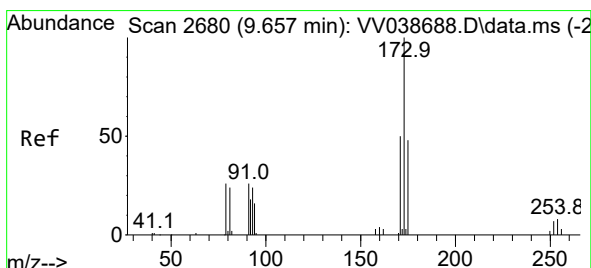
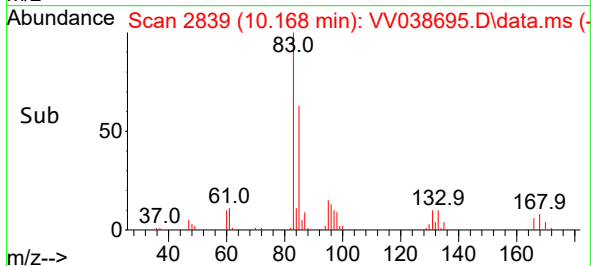
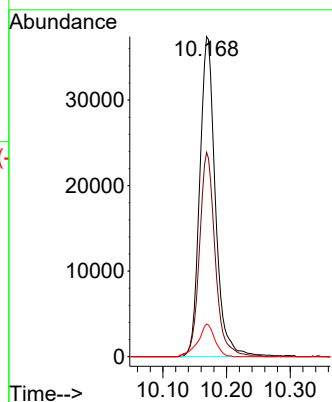
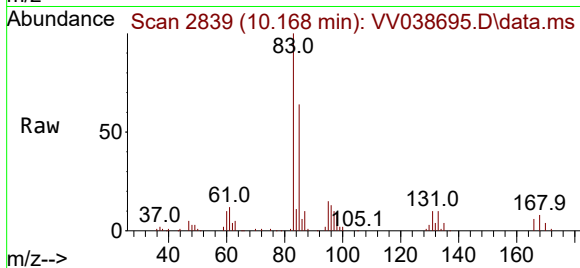




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.94 ug/L
 RT: 10.168 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV038695.D
 Acq: 14 Feb 2025 14:47

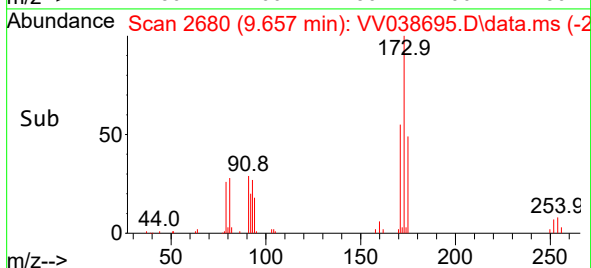
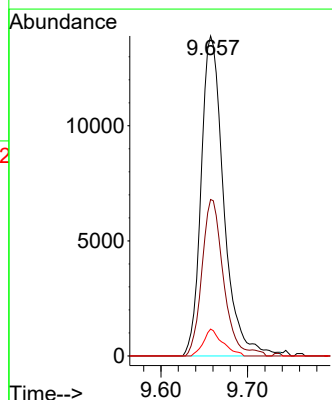
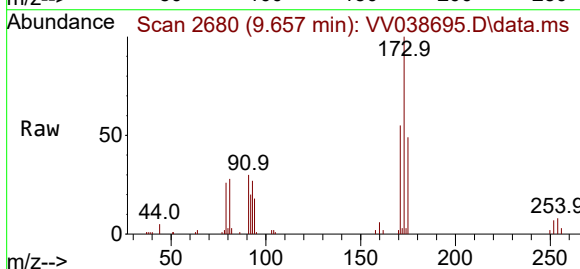
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005347

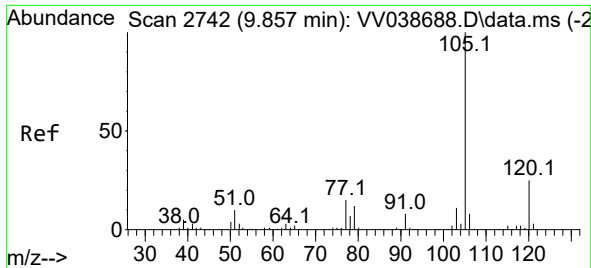
Tgt Ion: 83 Resp: 64056
 Ion Ratio Lower Upper
 83 100
 85 63.9 46.1 85.5
 131 10.2 8.5 12.7



#59
 Bromoform
 Concen: 4.29 ug/L
 RT: 9.657 min Scan# 2680
 Delta R.T. -0.000 min
 Lab File: VV038695.D
 Acq: 14 Feb 2025 14:47

Tgt Ion: 173 Resp: 25174
 Ion Ratio Lower Upper
 173 100
 175 46.7 39.5 59.3
 254 7.1 5.7 8.5

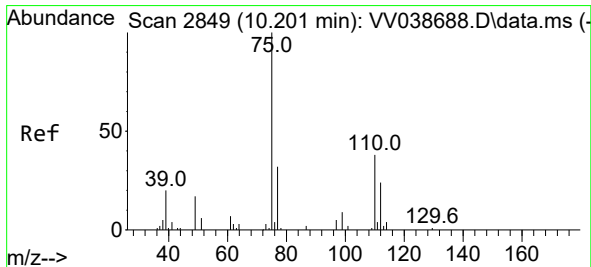
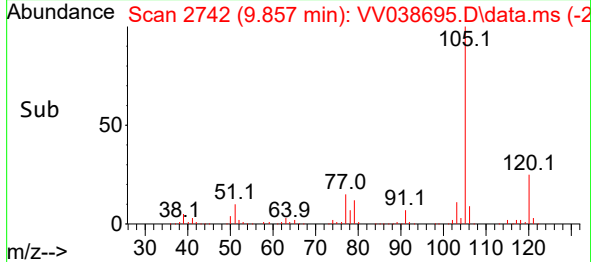
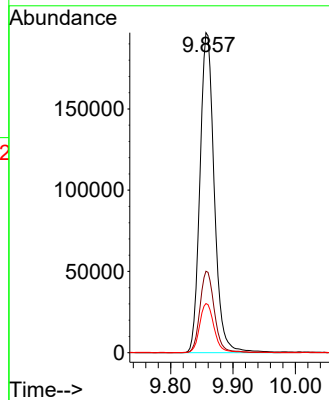
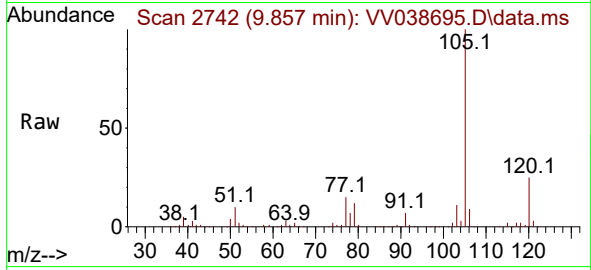




#60
Isopropylbenzene
Concen: 5.44 ug/L
RT: 9.857 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

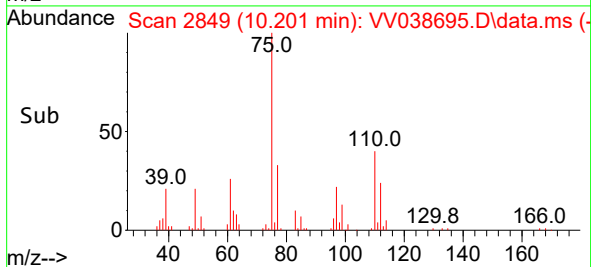
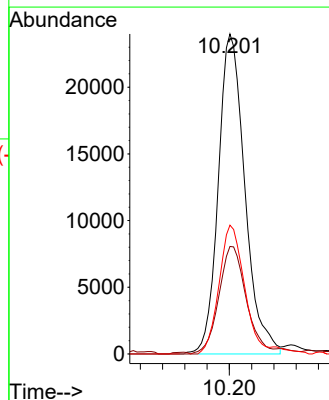
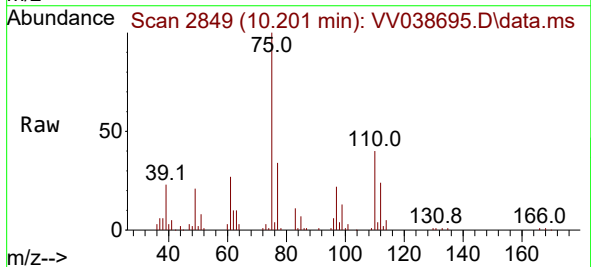
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

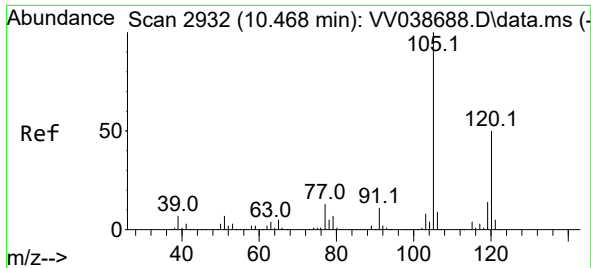
Tgt Ion:105 Resp: 314686
Ion Ratio Lower Upper
105 100
120 25.6 21.0 31.4
77 15.7 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 4.39 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Tgt Ion: 75 Resp: 39697
Ion Ratio Lower Upper
75 100
77 34.5 25.5 38.3
110 39.8 30.9 46.3

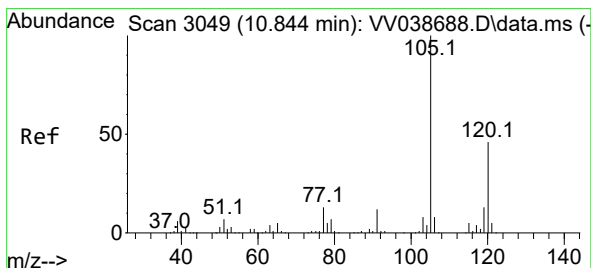
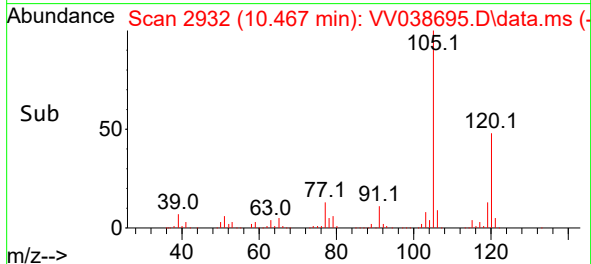
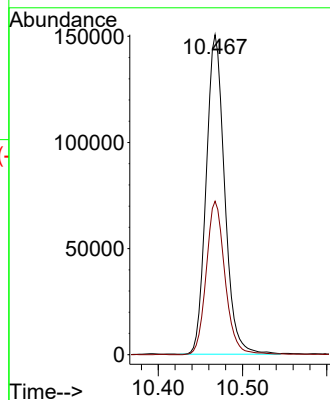
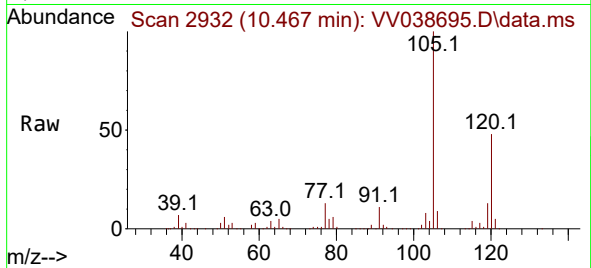




#62
 1,3,5-Trimethylbenzene
 Concen: 5.04 ug/L
 RT: 10.467 min Scan# 2932
 Delta R.T. -0.000 min
 Lab File: VV038695.D
 Acq: 14 Feb 2025 14:47

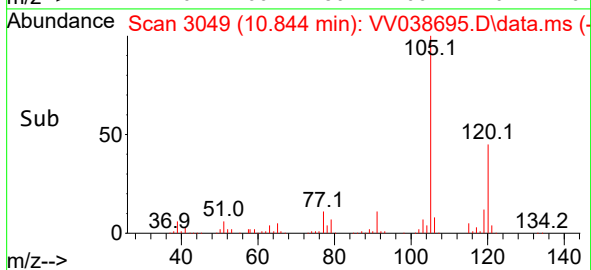
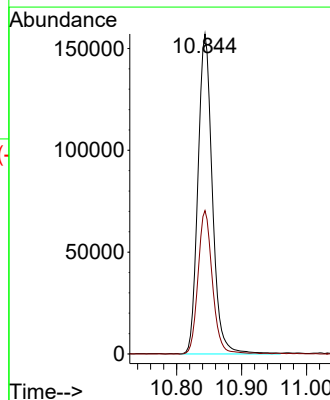
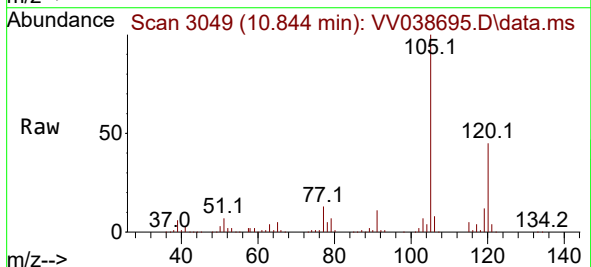
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005347

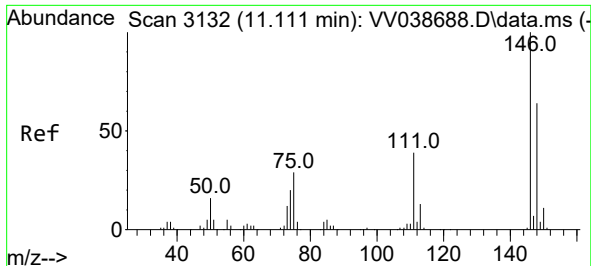
Tgt Ion:105 Resp: 229714
 Ion Ratio Lower Upper
 105 100
 120 49.0 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 5.36 ug/L
 RT: 10.844 min Scan# 3049
 Delta R.T. -0.000 min
 Lab File: VV038695.D
 Acq: 14 Feb 2025 14:47

Tgt Ion:105 Resp: 242834
 Ion Ratio Lower Upper
 105 100
 120 44.6 36.2 54.2

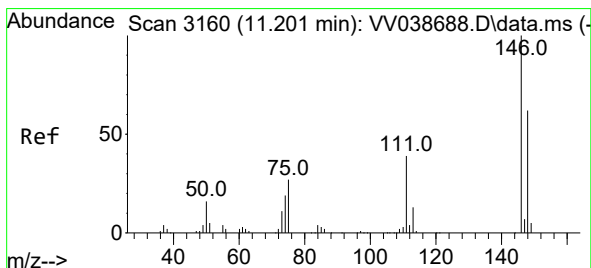
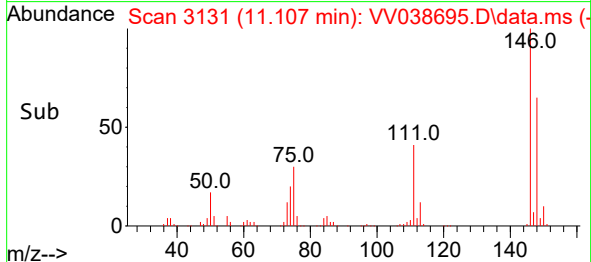
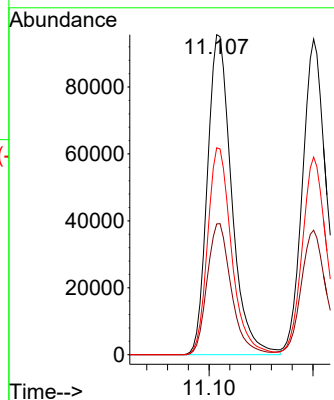
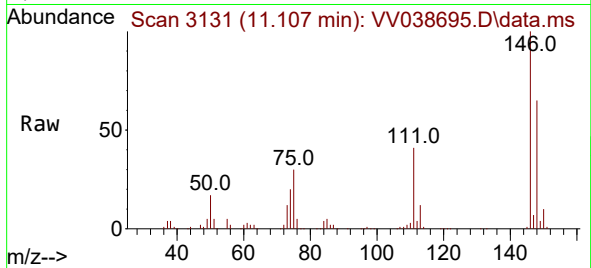




#64
1,3-Dichlorobenzene
Concen: 5.36 ug/L
RT: 11.107 min Scan# 3132
Delta R.T. -0.003 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

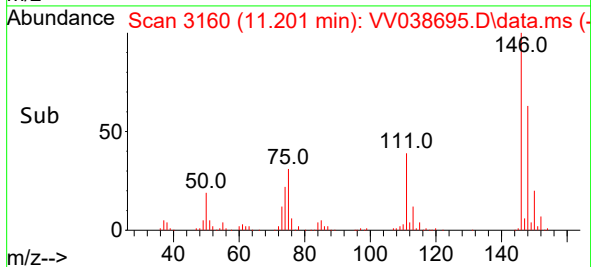
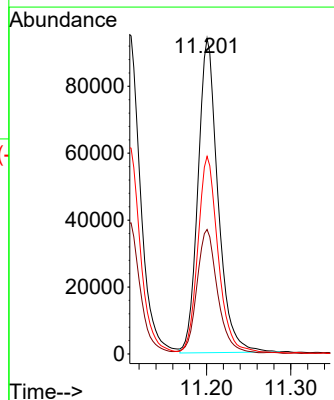
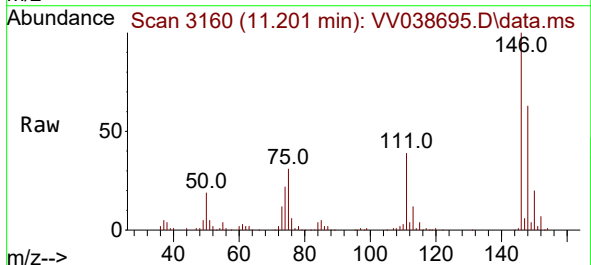
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

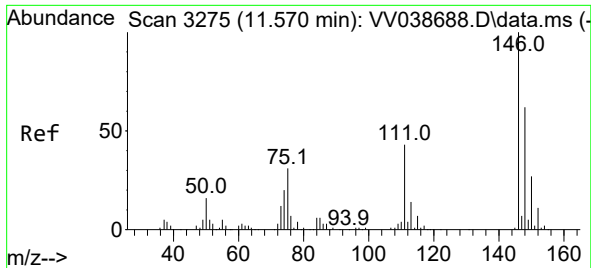
Tgt Ion:146 Resp: 154935
Ion Ratio Lower Upper
146 100
111 40.9 29.0 53.9
148 64.7 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 5.27 ug/L
RT: 11.201 min Scan# 3160
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Tgt Ion:146 Resp: 155271
Ion Ratio Lower Upper
146 100
111 39.4 27.7 51.5
148 62.6 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 5.09 ug/L

RT: 11.570 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD005347

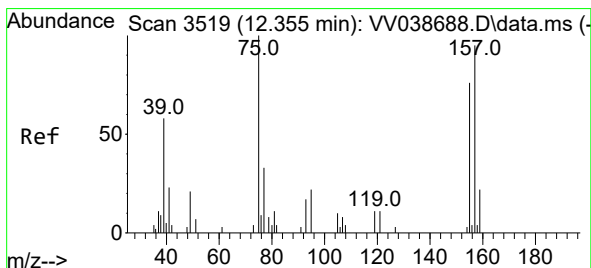
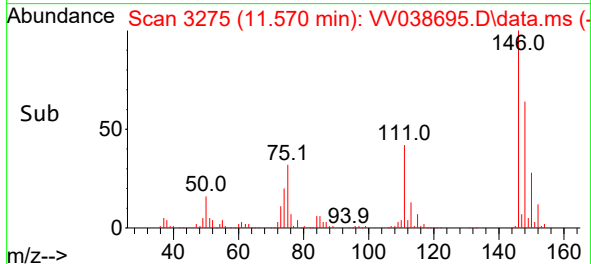
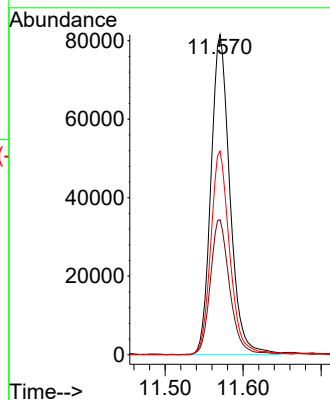
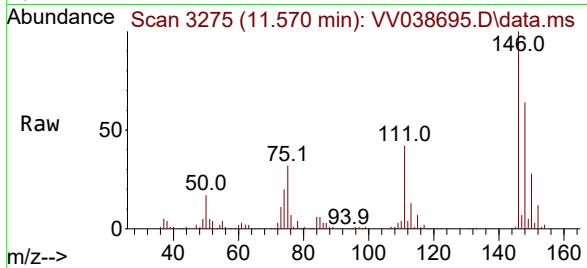
Tgt Ion:146 Resp: 138052

Ion Ratio Lower Upper

146 100

111 42.2 35.4 53.0

148 63.6 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.28 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.006 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

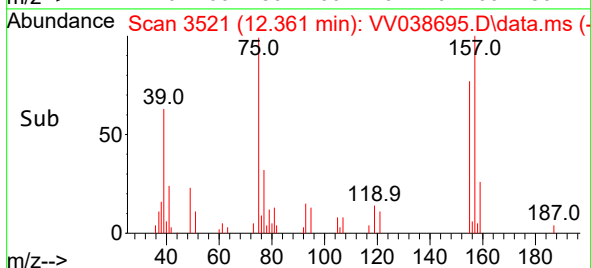
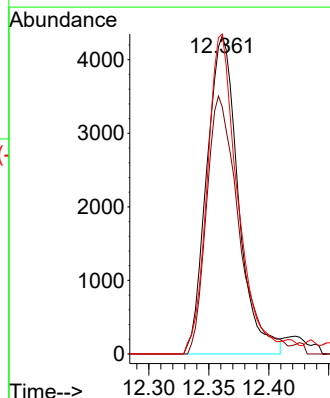
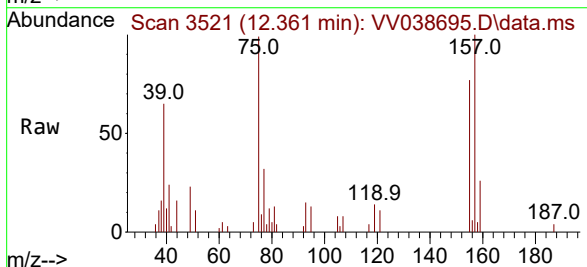
Tgt Ion: 75 Resp: 7884

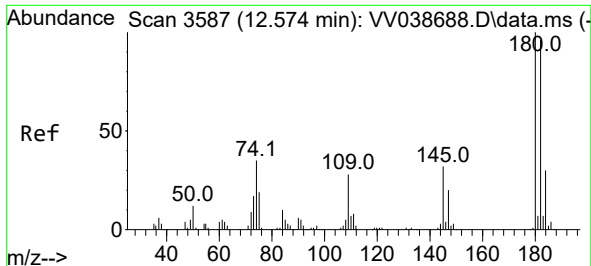
Ion Ratio Lower Upper

75 100

155 77.6 60.3 90.5

157 100.5 76.9 115.3





#69

1,3,5-Trichlorobenzene

Concen: 5.25 ug/L

RT: 12.573 min Scan# 3587

Delta R.T. -0.000 min

Lab File: VV038695.D

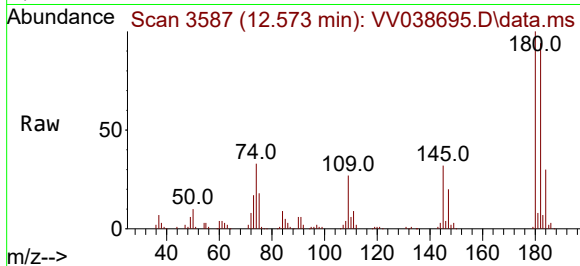
Acq: 14 Feb 2025 14:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD005347



Tgt Ion:180 Resp: 99561

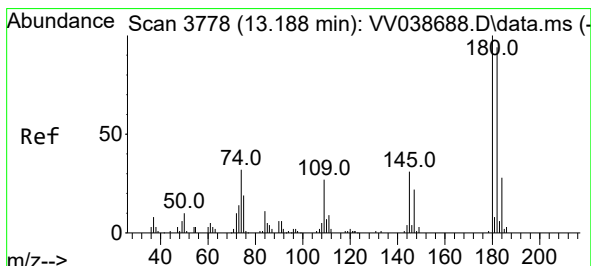
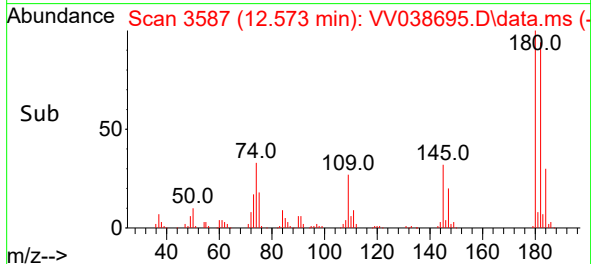
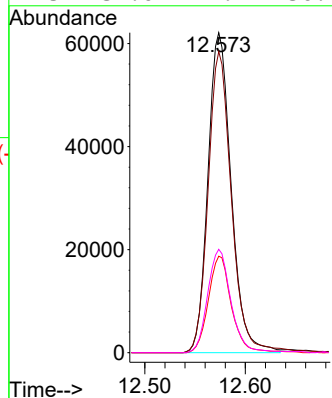
Ion Ratio Lower Upper

180 100

182 94.6 75.6 113.4

184 30.1 24.1 36.1

145 32.6 24.4 36.6



#70

1,2,4-trichlorobenzene

Concen: 5.02 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.003 min

Lab File: VV038695.D

Acq: 14 Feb 2025 14:47

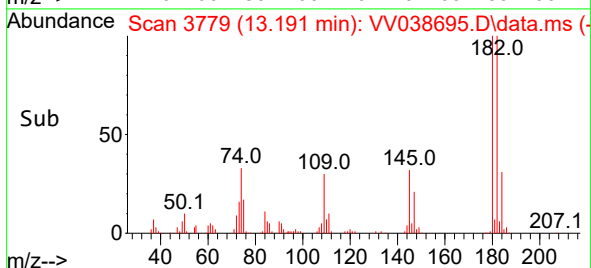
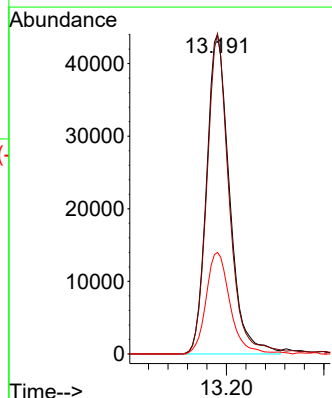
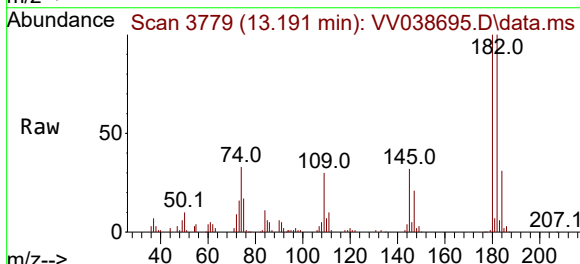
Tgt Ion:180 Resp: 72029

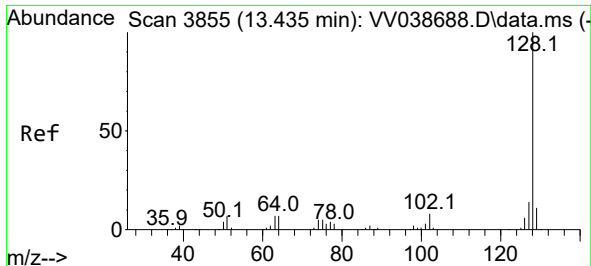
Ion Ratio Lower Upper

180 100

182 96.6 76.6 115.0

145 33.1 26.0 39.0

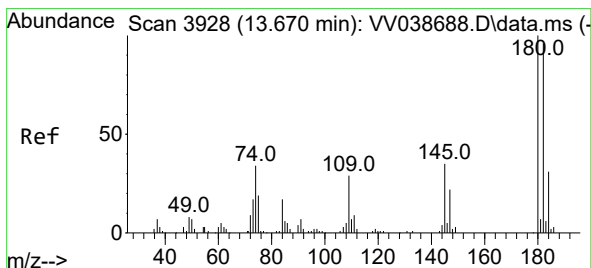
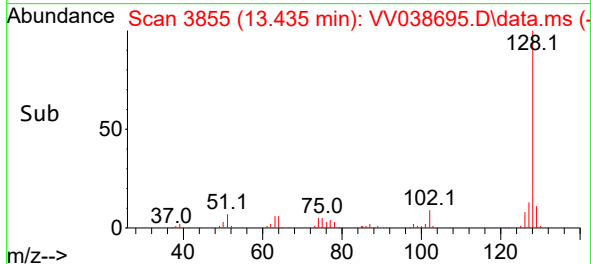
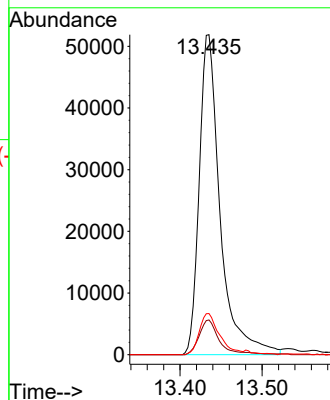
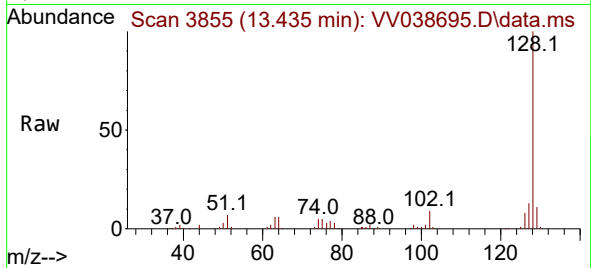




#71
Naphthalene
Concen: 4.00 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. -0.000 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

Tgt Ion:128 Resp: 91760
Ion Ratio Lower Upper
128 100
129 10.6 7.6 11.4
127 12.4 10.9 16.3



#72
1,2,3-Trichlorobenzene
Concen: 4.97 ug/L
RT: 13.673 min Scan# 3929
Delta R.T. 0.003 min
Lab File: VV038695.D
Acq: 14 Feb 2025 14:47

Tgt Ion:180 Resp: 66107
Ion Ratio Lower Upper
180 100
182 95.9 76.0 114.0
145 33.4 28.4 42.6

