

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051523\
 Data File : VW031025.D
 Acq On : 15 May 2023 12:36
 Operator : SY/MD
 Sample : 02790-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 15 13:06:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 06 01:44:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	124673	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	122335	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	61234	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	61433	5.981	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 119.600%	
7) Chloroethane-d5	1.539	69	48840	5.829	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 116.600%	
11) 1,1-Dichloroethene-d2	2.066	65	26980	4.963	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 99.200%	
20) 2-Butanone-d5	3.815	46	152341	83.635	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	= 167.280%#	
24) Chloroform-d	4.262	84	118947	5.827	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 116.600%	
26) 1,2-Dichloroethane-d4	4.953	65	64371	6.203	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 124.000%	
32) Benzene-d6	4.969	84	210614	5.873	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 117.400%	
36) 1,2-Dichloropropane-d6	6.002	67	63480	6.088	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 121.800%	
41) Toluene-d8	7.252	98	182327	5.339	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 106.800%	
43) trans-1,3-Dichloroprop...	7.561	79	22098	5.654	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 113.000%	
46) 2-Hexanone-d5	8.034	63	79741	58.230	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 116.460%	
56) 1,1,2,2-Tetrachloroeth...	10.159	84	43783	5.793	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 115.800%	
66) 1,2-Dichlorobenzene-d4	11.567	152	68032	5.960	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 119.200%	
Target Compounds						
						Qvalue
3) Chloromethane	1.220	50	1773	0.153	ug/L	90
5) Vinyl chloride	1.288	62	1315269	135.962	ug/L	99
6) Bromomethane	1.497	94	501	0.109	ug/L	85
8) Chloroethane	1.555	64	24035	4.082	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	1744	0.191	ug/L #	71
12) 1,1-Dichloroethene	2.079	96	183630	21.886	ug/L #	63
13) Acetone	2.143	43	3569	2.294	ug/L	99
18) trans-1,2-Dichloroethene	2.703	96	221350	28.883	ug/L	97
19) 1,1-Dichloroethane	3.117	63	7679	0.519	ug/L	92
22) cis-1,2-Dichloroethene	3.822	96	10564638	1306.521	ug/L	92
29) 1,1,1-Trichloroethane	4.523	97	29741	1.935	ug/L	98
31) Carbon tetrachloride	4.526	117	3495	0.253	ug/L	92
35) Methylcyclohexane	5.863	83	628628	49.451	ug/L #	1
37) 1,2-Dichloropropane	5.998	63	8318	1.140	ug/L #	89
42) Toluene	7.326	91	72617	2.192	ug/L	97
47) Tetrachloroethene	7.915	164	2427	0.310	ug/L	90
48) 2-Hexanone	8.095	43	8138	2.806	ug/L #	87
49) Dibromochloromethane	7.911	129	1969	0.289	ug/L #	10
53) m,p-Xylene	9.082	106	1742	0.121	ug/L	93

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat May 06 01:44:36 2023
Response via : Initial Calibration

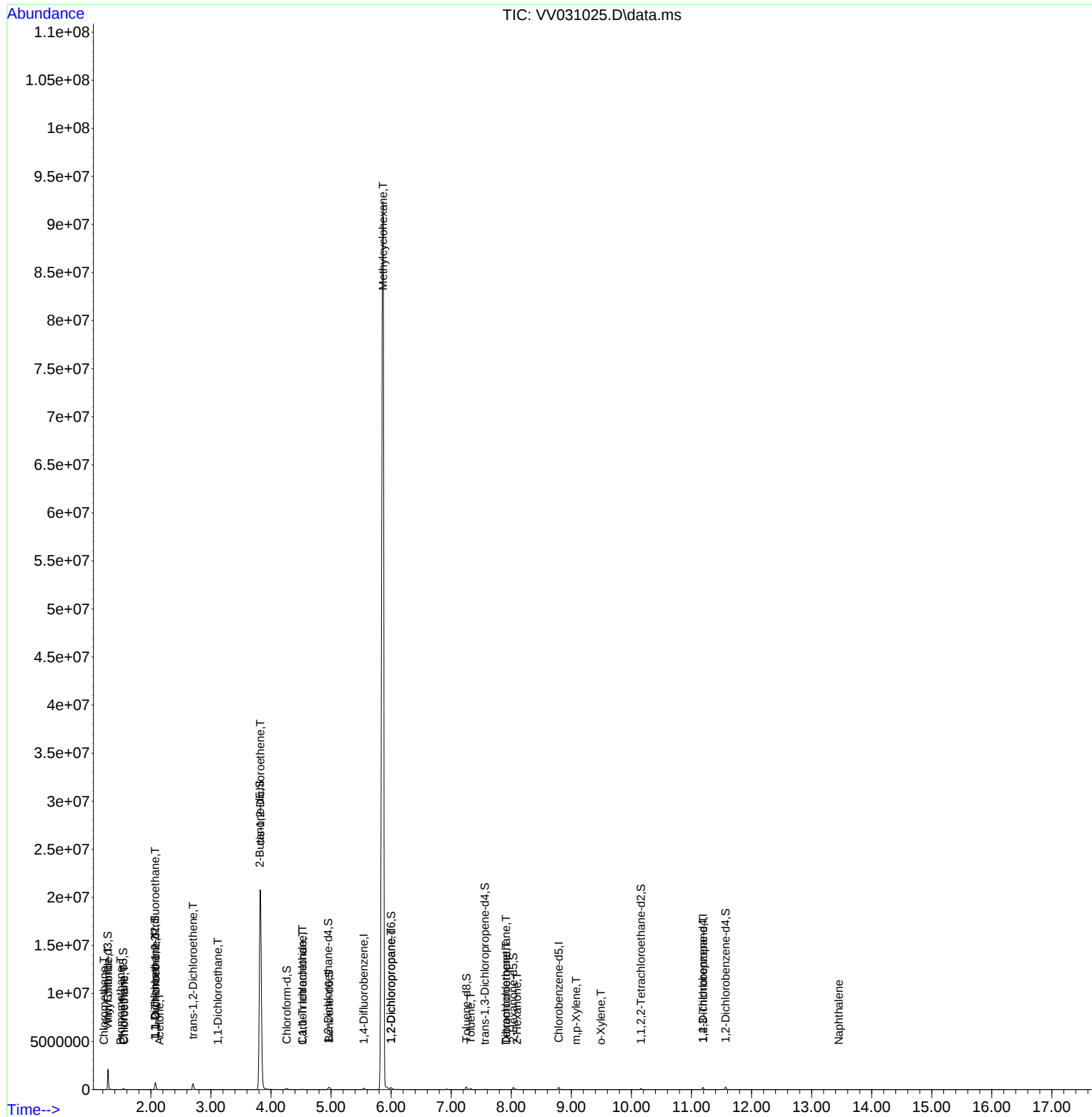
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	9.490	106	1042	0.076	ug/L	85
61) 1,2,3-Trichloropropane	11.194	75	6710	1.744	ug/L #	59
71) Naphthalene	13.455	128	1027	0.069	ug/L #	80

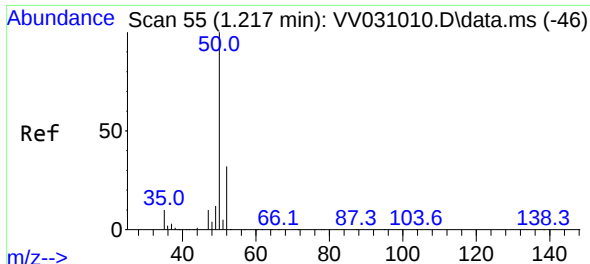
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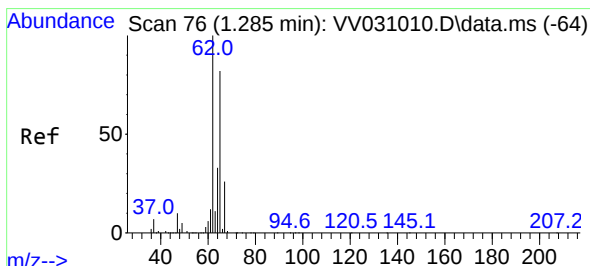
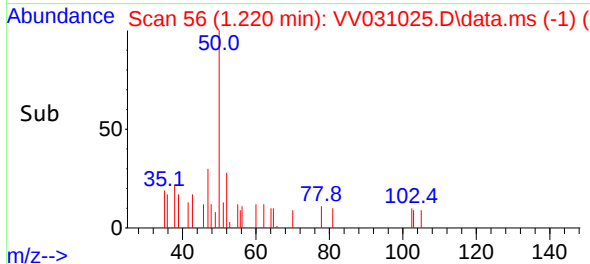
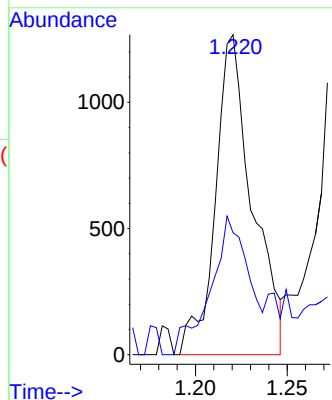
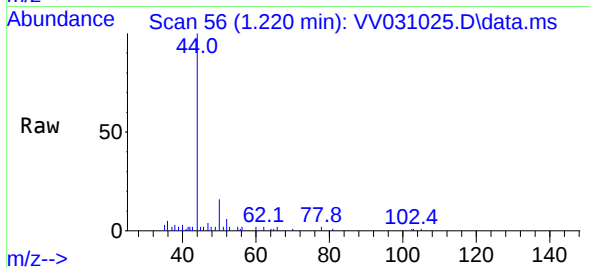




#3
Chloromethane
Concen: 0.153 ug/L
RT: 1.220 min Scan# 50
Delta R.T. 0.003 min
Lab File: VV031025.D
Acq: 15 May 2023 12:36

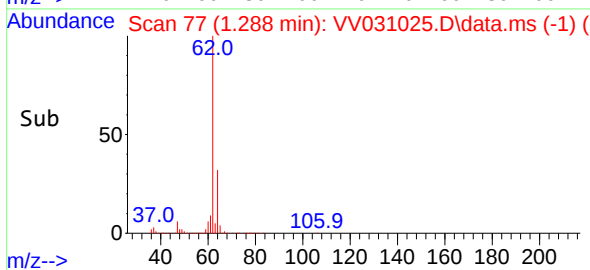
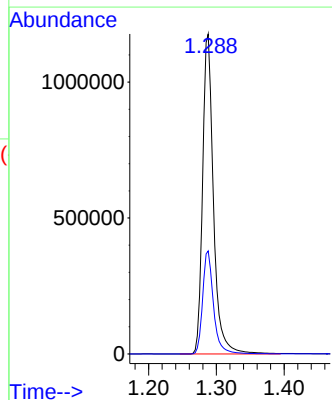
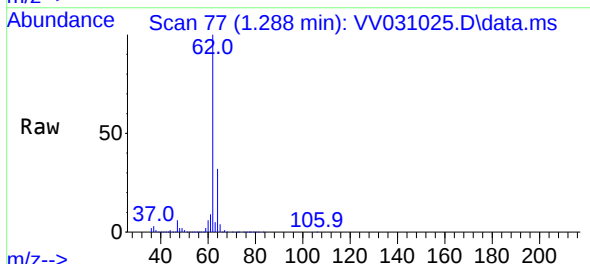
Instrument :
MSVOA_V
ClientSampleId :

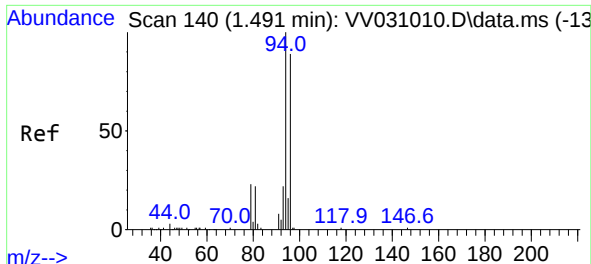
Tgt Ion: 50 Resp: 1773
Ion Ratio Lower Upper
50 100
52 38.2 22.8 42.4



#5
Vinyl chloride
Concen: 135.962 ug/L
RT: 1.288 min Scan# 77
Delta R.T. 0.003 min
Lab File: VV031025.D
Acq: 15 May 2023 12:36

Tgt Ion: 62 Resp: 1315269
Ion Ratio Lower Upper
62 100
64 32.2 22.8 42.4

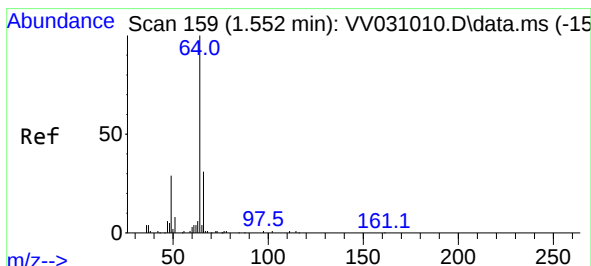
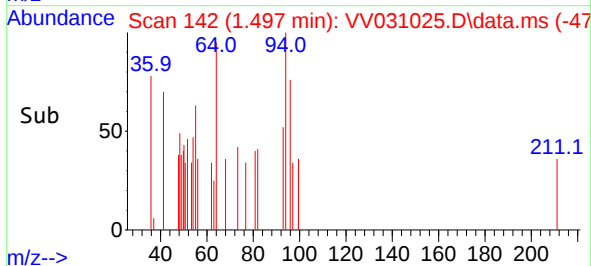
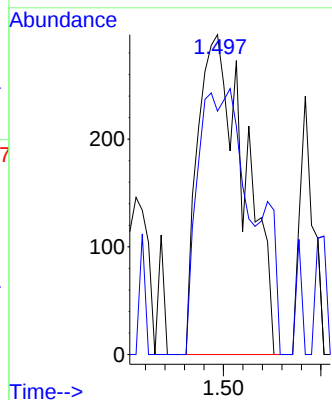
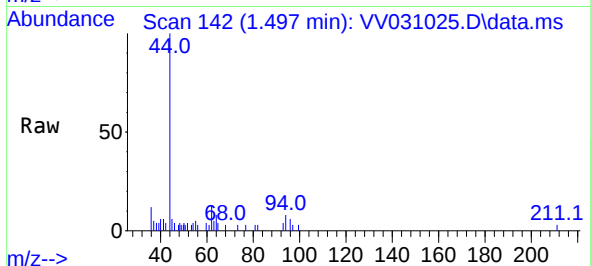




#6
Bromomethane
Concen: 0.109 ug/L
RT: 1.497 min Scan# 14
Delta R.T. 0.007 min
Lab File: VV031025.D
Acq: 15 May 2023 12:36

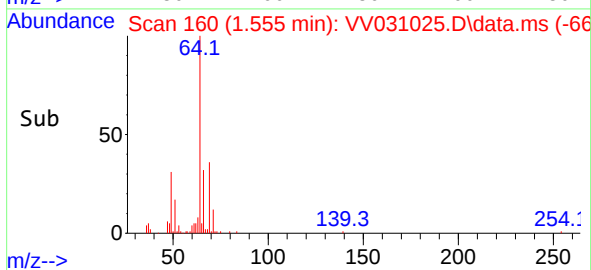
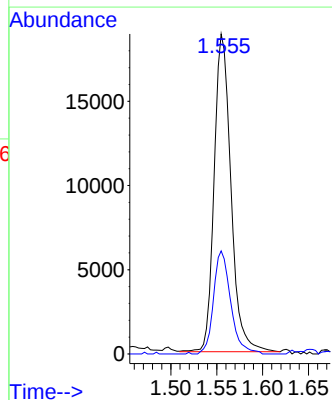
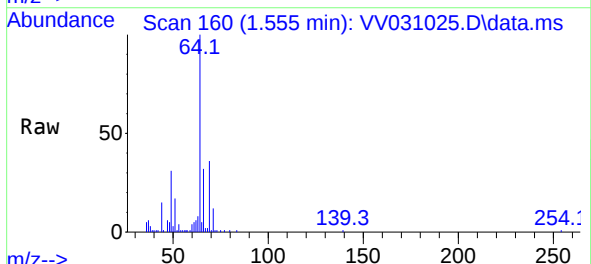
Instrument :
MSVOA_V
ClientSampleId :

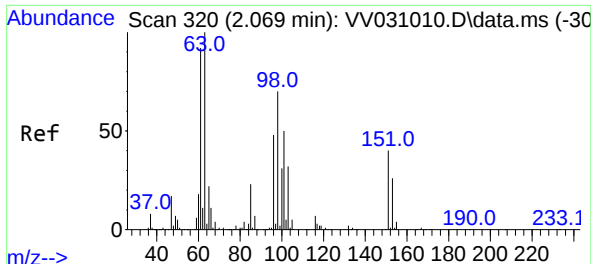
Tgt Ion: 94 Resp: 501
Ion Ratio Lower Upper
94 100
96 76.1 63.4 117.8



#8
Chloroethane
Concen: 4.082 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.003 min
Lab File: VV031025.D
Acq: 15 May 2023 12:36

Tgt Ion: 64 Resp: 24035
Ion Ratio Lower Upper
64 100
66 32.2 22.1 41.1

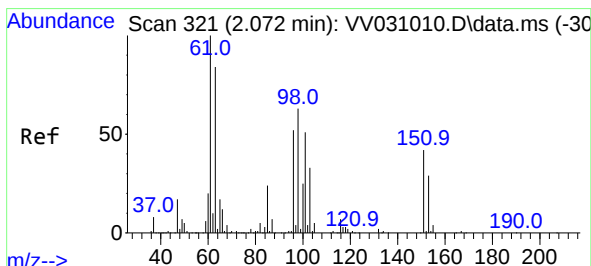
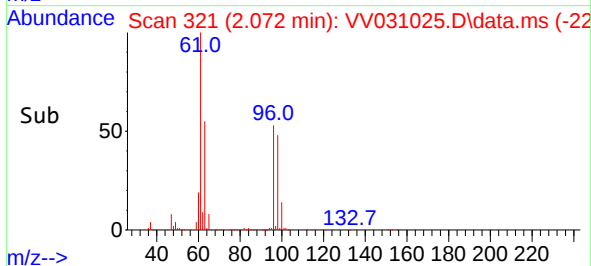
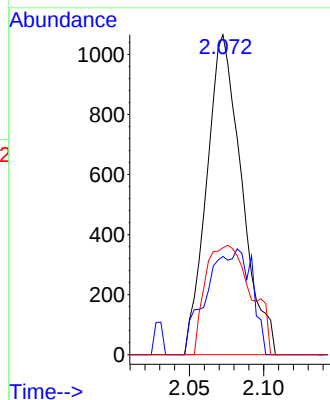
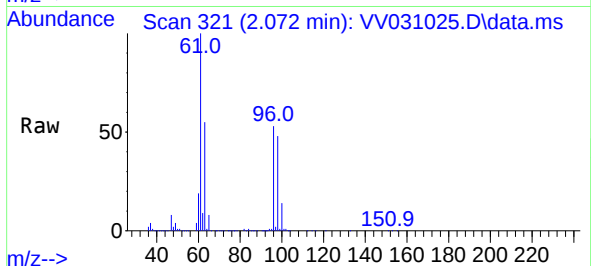




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.191 ug/L
RT: 2.072 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV031025.D
Acq: 15 May 2023 12:36

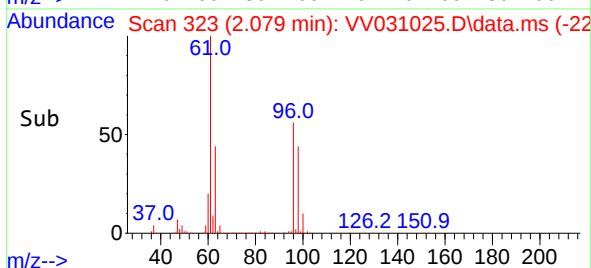
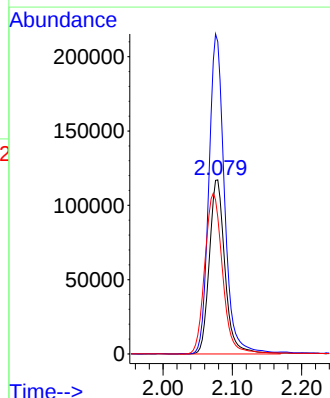
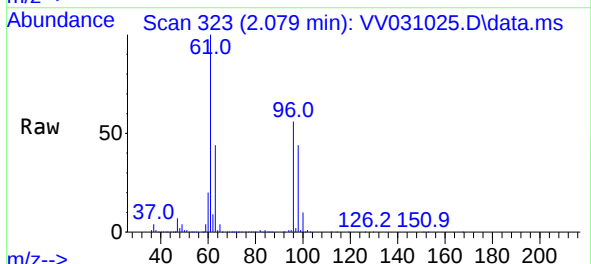
Instrument :
MSVOA_V
ClientSampleId :

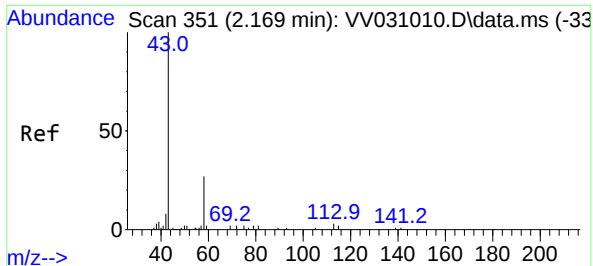
Tgt Ion:101 Resp: 1744
Ion Ratio Lower Upper
101 100
85 42.8 38.7 58.1
151 44.3 65.1 97.7#



#12
1,1-Dichloroethene
Concen: 21.886 ug/L
RT: 2.079 min Scan# 323
Delta R.T. 0.007 min
Lab File: VV031025.D
Acq: 15 May 2023 12:36

Tgt Ion: 96 Resp: 183630
Ion Ratio Lower Upper
96 100
61 179.3 135.6 251.8
63 78.6 121.1 224.9#

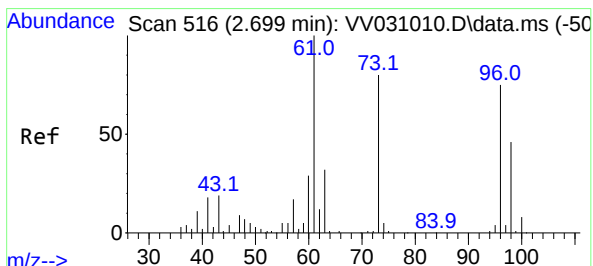
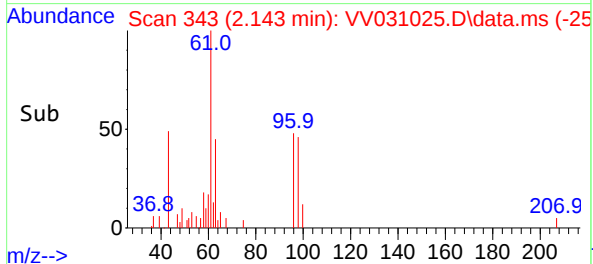
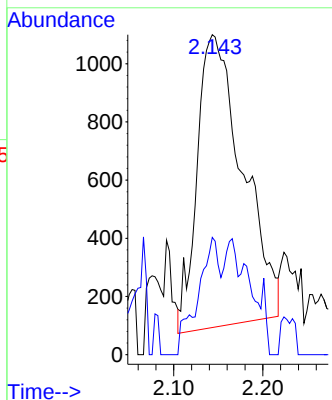
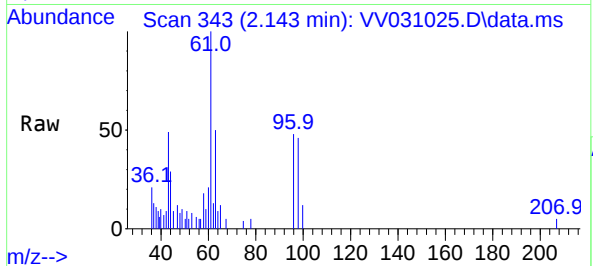




#13
Acetone
Concen: 2.294 ug/L
RT: 2.143 min Scan# 34
Delta R.T. -0.016 min
Lab File: VV031025.D
Acq: 15 May 2023 12:36

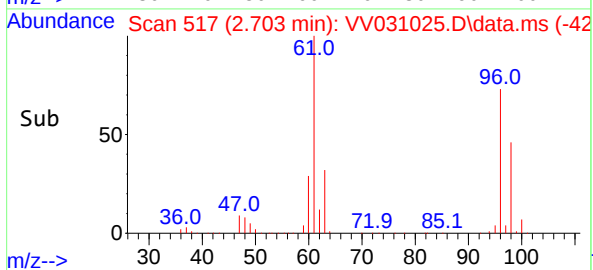
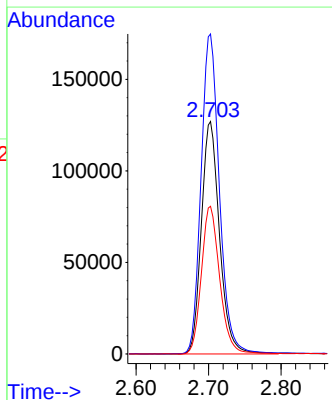
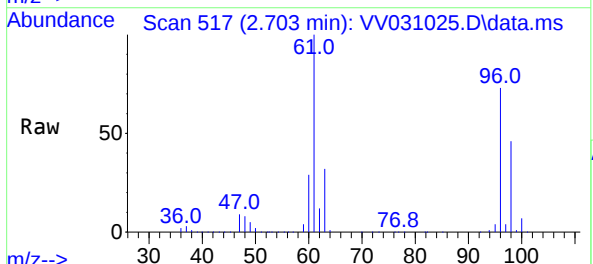
Instrument :
MSVOA_V
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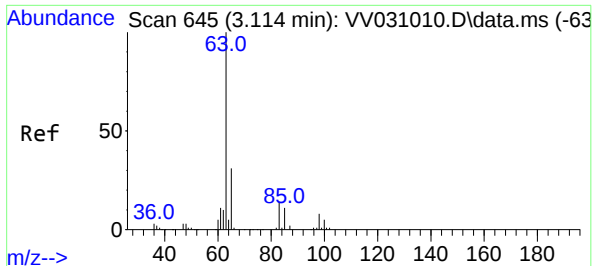
Tgt Ion: 43 Resp: 3569
Ion Ratio Lower Upper
43 100
58 19.1 0.0 37.0



#18
trans-1,2-Dichloroethene
Concen: 28.883 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV031025.D
Acq: 15 May 2023 12:36

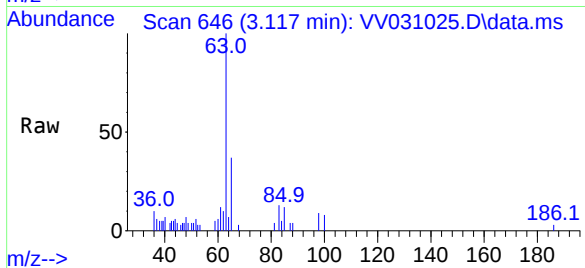
Tgt Ion: 96 Resp: 221350
Ion Ratio Lower Upper
96 100
61 137.7 98.9 183.7
98 63.5 46.0 85.4





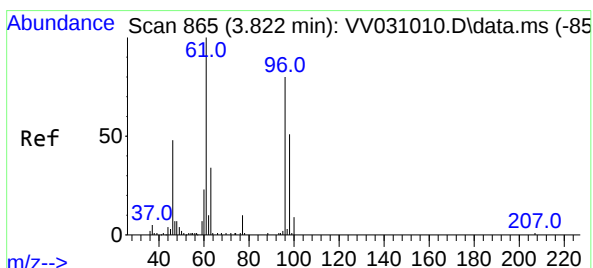
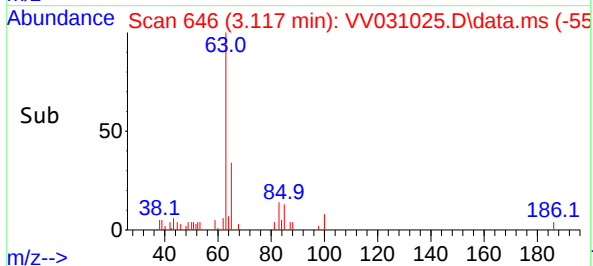
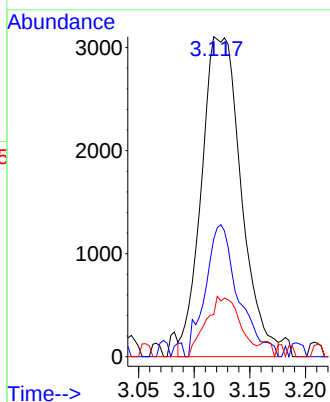
#19
1,1-Dichloroethane
Concen: 0.519 ug/L
RT: 3.117 min Scan# 64
Delta R.T. 0.000 min
Lab File: VV031025.D
Acq: 15 May 2023 12:36

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 63 Resp: 7679

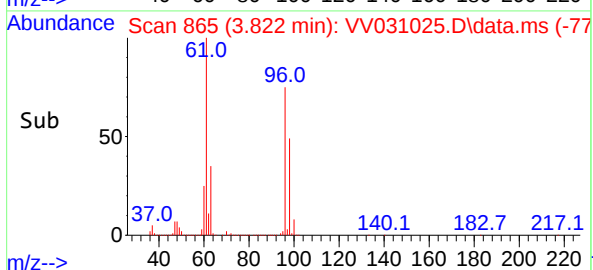
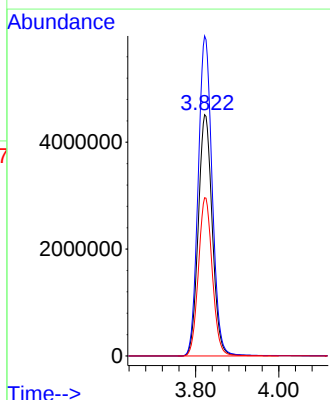
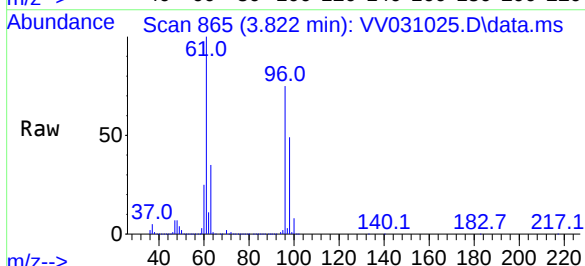
Ion	Ratio	Lower	Upper
63	100		
65	36.8	21.8	40.6
83	13.2	10.2	19.0

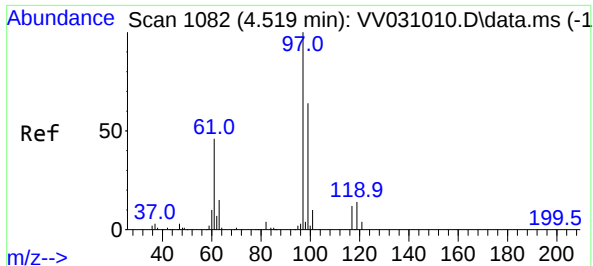


#22
cis-1,2-Dichloroethene
Concen: 1306.521 ug/L
RT: 3.822 min Scan# 865
Delta R.T. -0.003 min
Lab File: VV031025.D
Acq: 15 May 2023 12:36

Tgt Ion: 96 Resp:10564638

Ion	Ratio	Lower	Upper
96	100		
61	132.6	86.0	159.6
98	65.6	43.2	80.2





#29

1,1,1-Trichloroethane

Concen: 1.935 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031025.D

Acq: 15 May 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

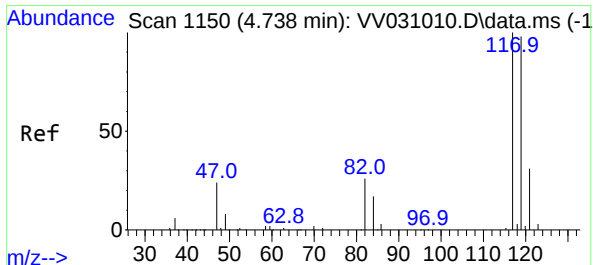
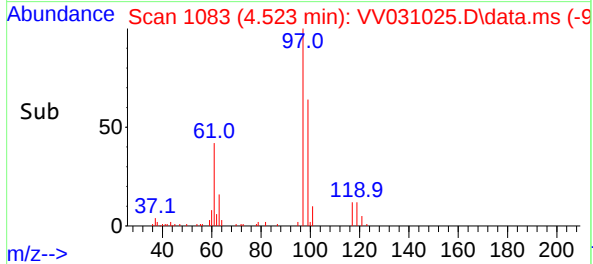
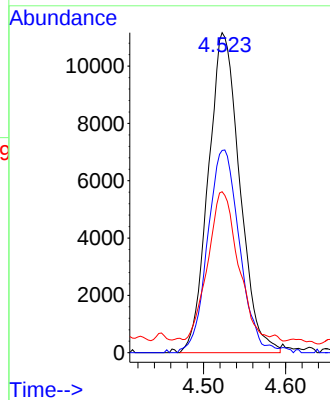
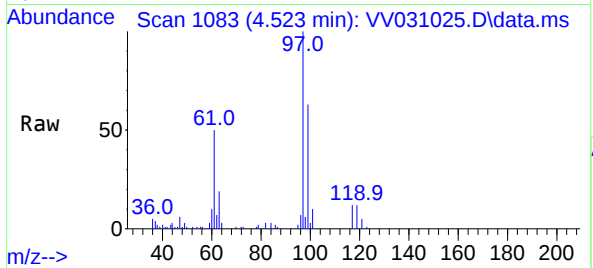
Tgt Ion: 97 Resp: 29741

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

61 44.0 37.4 56.0



#31

Carbon tetrachloride

Concen: 0.253 ug/L

RT: 4.526 min Scan# 1084

Delta R.T. -0.219 min

Lab File: VV031025.D

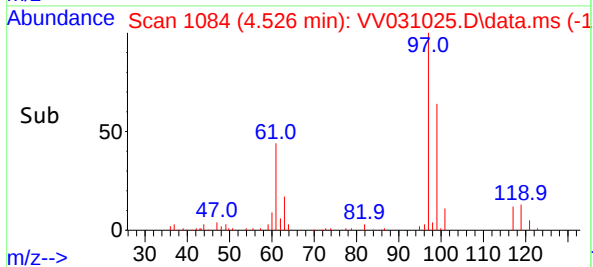
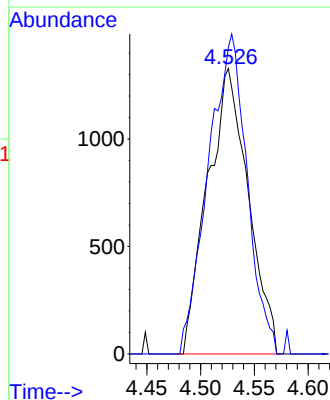
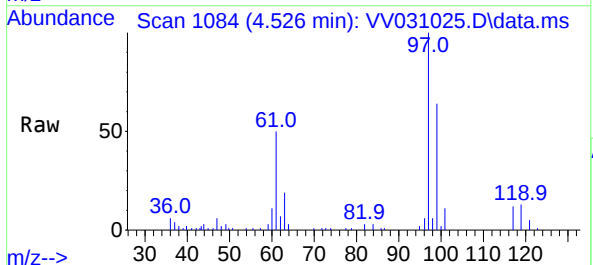
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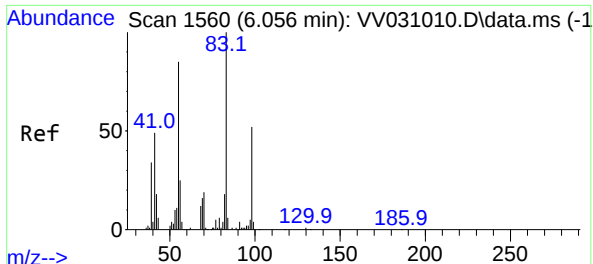
Tgt Ion: 117 Resp: 3495

Ion Ratio Lower Upper

117 100

119 106.4 78.4 117.6





#35

Methylcyclohexane

Concen: 49.451 ug/L

RT: 5.863 min Scan# 1

Delta R.T. -0.193 min

Lab File: VV031025.D

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Instrument :

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ClientSampleId :

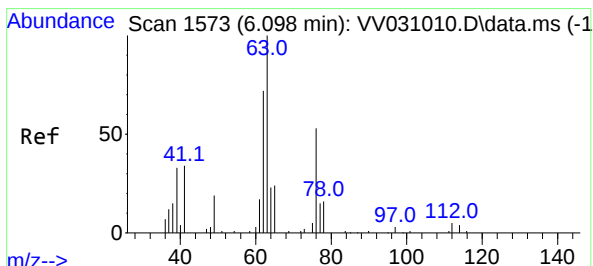
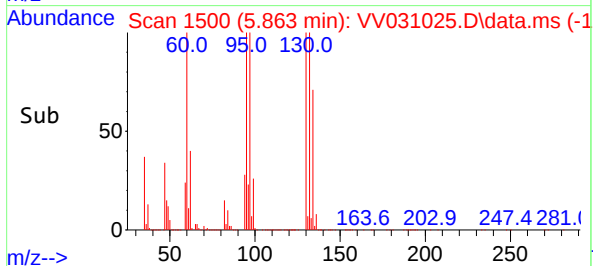
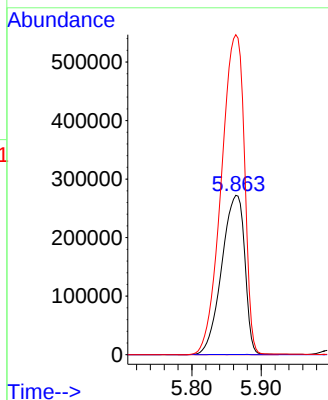
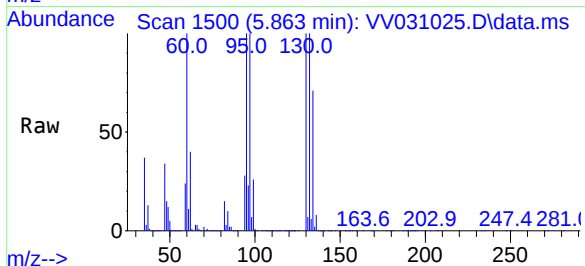
Tgt Ion: 83 Resp: 628628

Ion Ratio Lower Upper

83 100

55 0.1 62.9 94.3#

98 202.0 40.5 60.7#



#37

1,2-Dichloropropane

Concen: 1.140 ug/L

RT: 5.998 min Scan# 1542

Delta R.T. -0.103 min

Lab File: VV031025.D

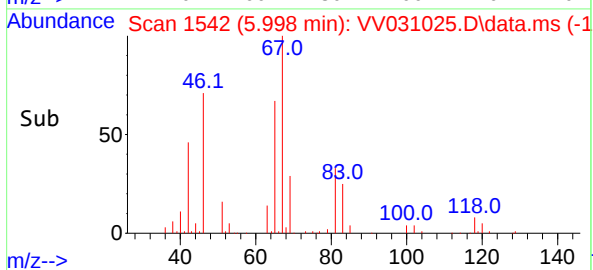
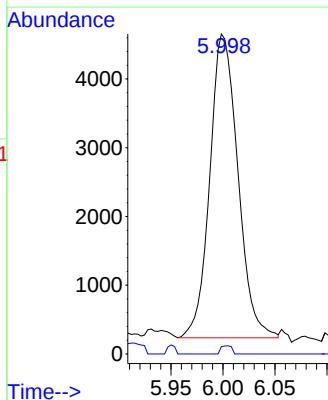
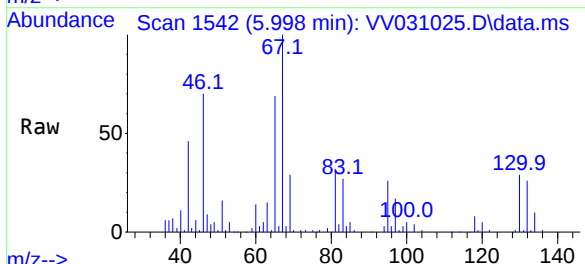
Acq: 15 May 2023 12:36

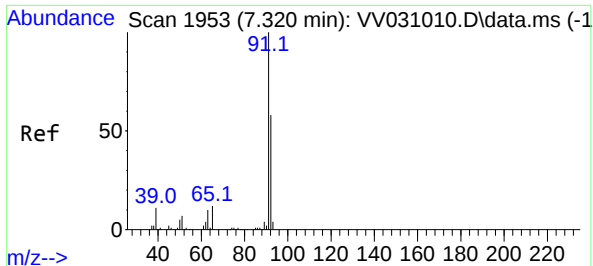
Tgt Ion: 63 Resp: 8318

Ion Ratio Lower Upper

63 100

112 1.0 3.8 5.8#





#42

Toluene

Concen: 2.192 ug/L

RT: 7.326 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031025.D

Acq: 15 May 2023 12:36

Instrument :

MSVOA_V

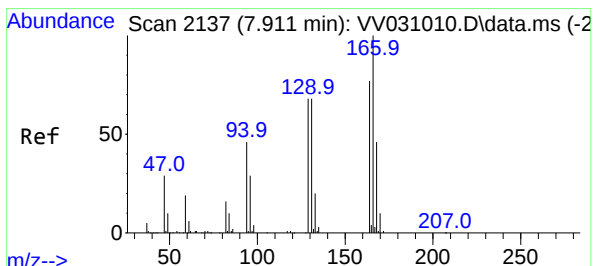
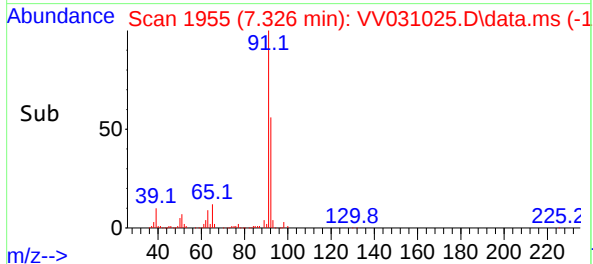
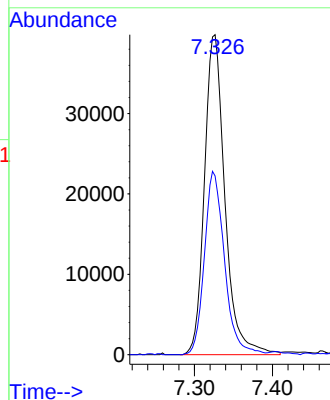
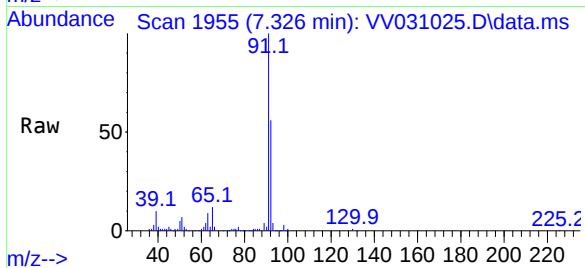
ClientSampleId :

Tgt Ion: 91 Resp: 72617

Ion Ratio Lower Upper

91 100

92 55.8 40.5 75.1



#47

Tetrachloroethene

Concen: 0.310 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV031025.D

Acq: 15 May 2023 12:36

Tgt Ion: 164 Resp: 2427

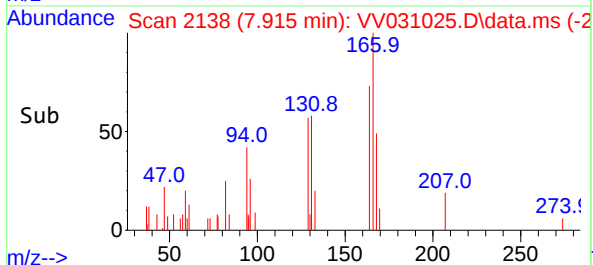
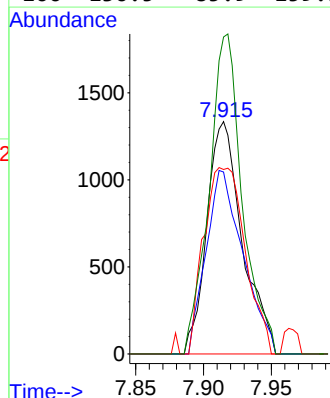
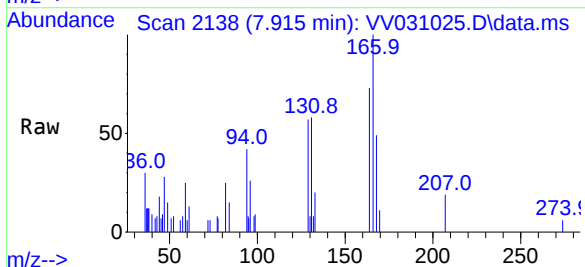
Ion Ratio Lower Upper

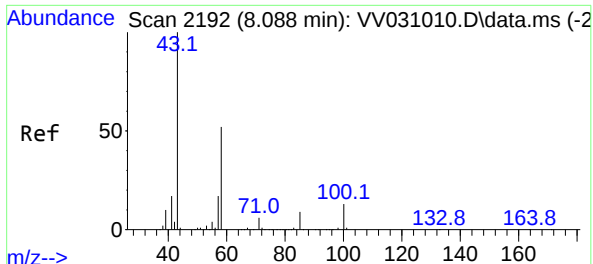
164 100

129 78.3 60.5 112.3

131 79.5 60.8 112.8

166 136.5 85.9 159.5



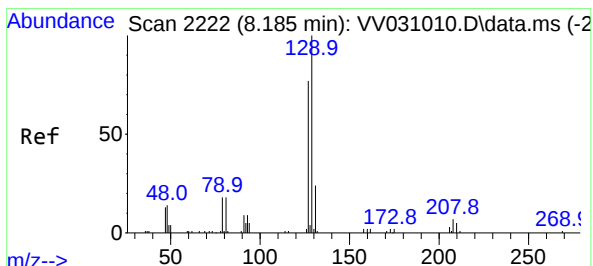
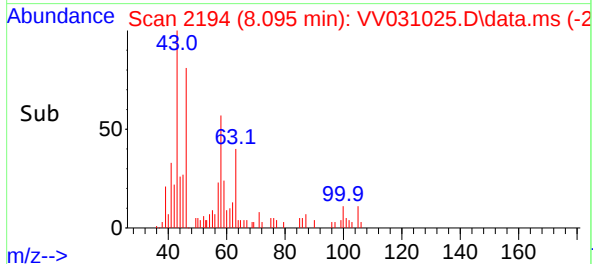
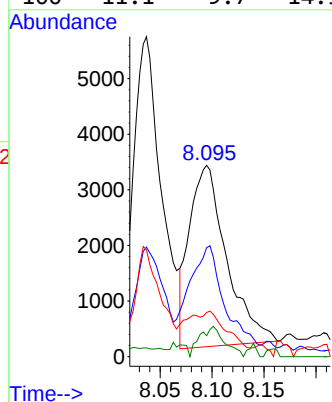
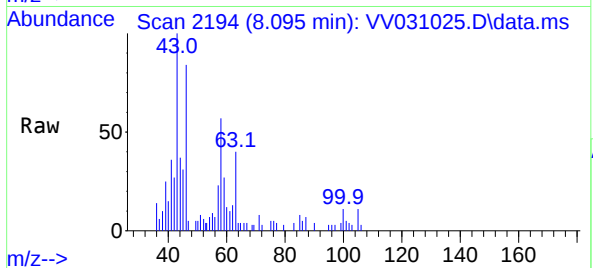


#48
2-Hexanone
Concen: 2.806 ug/L
RT: 8.095 min Scan# 2194
Delta R.T. 0.010 min
Lab File: VV031025.D
Acq: 15 May 2023 12:36

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 8138

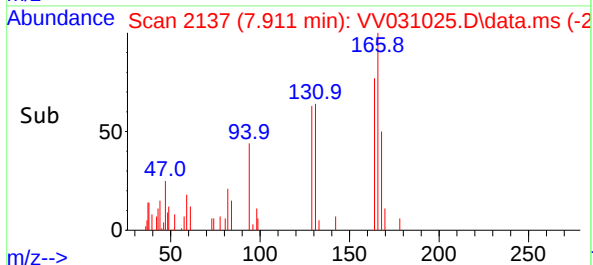
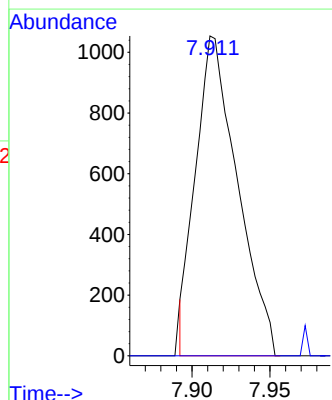
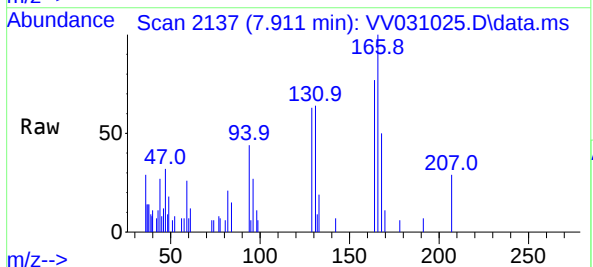
Ion	Ratio	Lower	Upper
43	100		
58	62.2	39.9	59.9#
57	14.2	14.1	21.1
100	11.1	9.7	14.5

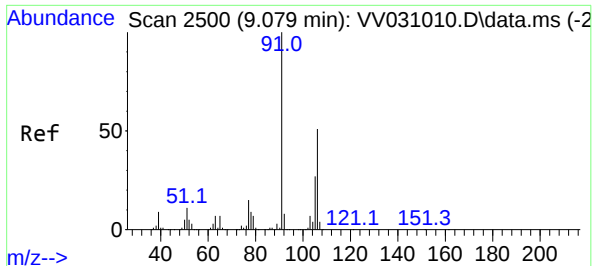


#49
Dibromochloromethane
Concen: 0.289 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.273 min
Lab File: VV031025.D
Acq: 15 May 2023 12:36

Tgt Ion: 129 Resp: 1969

Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.3	102.7#





#53

m,p-Xylene

Concen: 0.121 ug/L

RT: 9.082 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031025.D

Acq: 15 May 2023 12:36

Instrument :

MSVOA_V

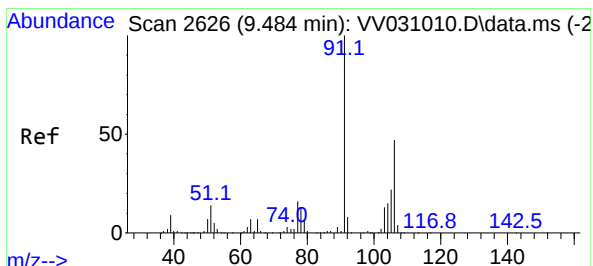
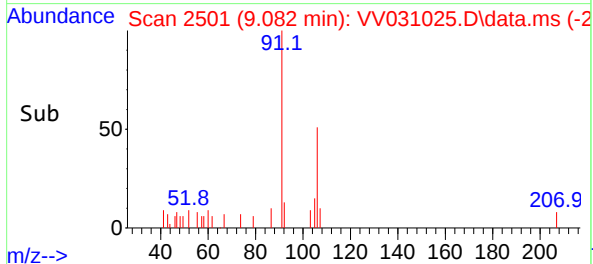
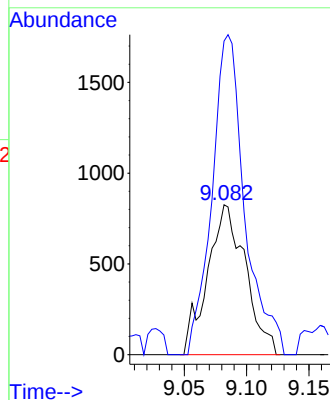
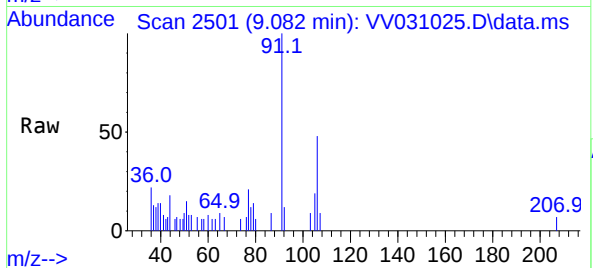
ClientSampleId :

Tgt Ion:106 Resp: 1742

Ion Ratio Lower Upper

106 100

91 209.2 138.7 257.5



#54

o-Xylene

Concen: 0.076 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. 0.007 min

Lab File: VV031025.D

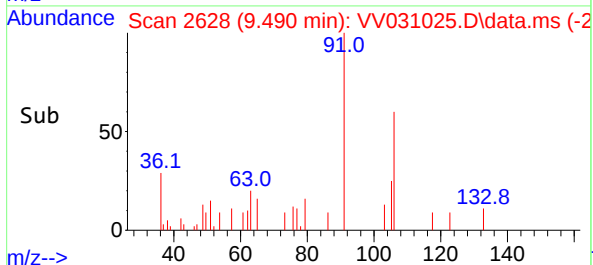
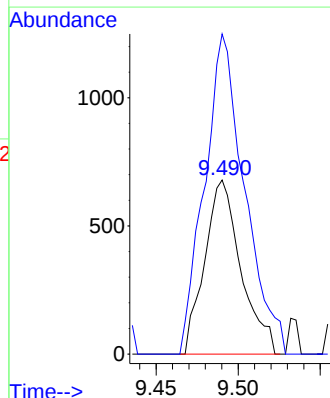
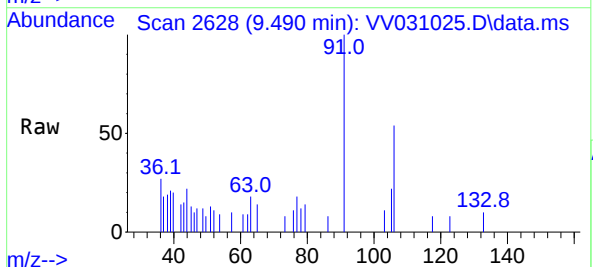
Acq: 15 May 2023 12:36

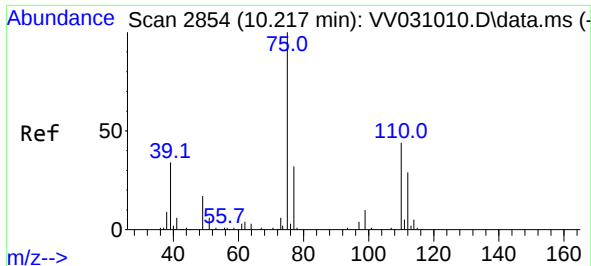
Tgt Ion:106 Resp: 1042

Ion Ratio Lower Upper

106 100

91 183.9 145.1 269.5

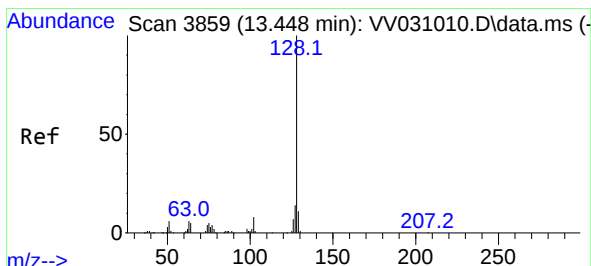
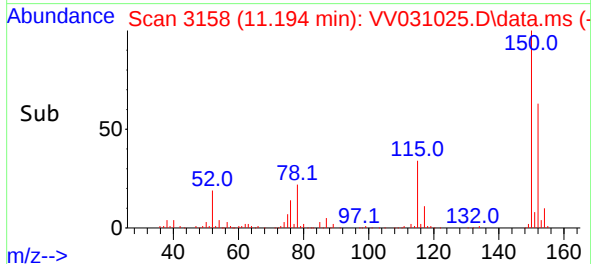
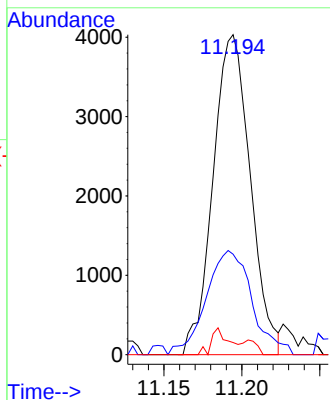
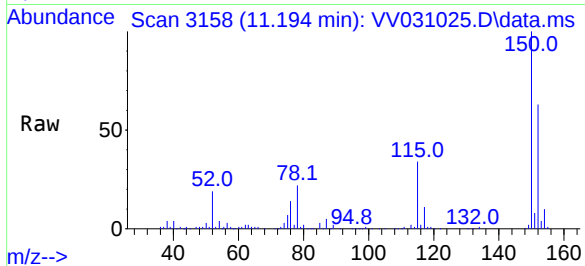




#61
1,2,3-Trichloropropane
Concen: 1.744 ug/L
RT: 11.194 min Scan# 3158
Delta R.T. 0.978 min
Lab File: VV031025.D
Acq: 15 May 2023 12:36

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 6710
Ion Ratio Lower Upper
75 100
77 40.0 25.3 37.9#
110 3.9 34.0 51.0#



#71
Naphthalene
Concen: 0.069 ug/L
RT: 13.455 min Scan# 3861
Delta R.T. 0.007 min
Lab File: VV031025.D
Acq: 15 May 2023 12:36

Tgt Ion: 128 Resp: 1027
Ion Ratio Lower Upper
128 100
129 7.4 8.6 13.0#
127 1.9 10.6 16.0#

