

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070623\
 Data File : VY014585.D
 Acq On : 06 Jul 2023 13:54
 Operator : KP/MD
 Sample : 03523-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WALDWICK-COMP

Quant Time: Jul 07 06:13:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

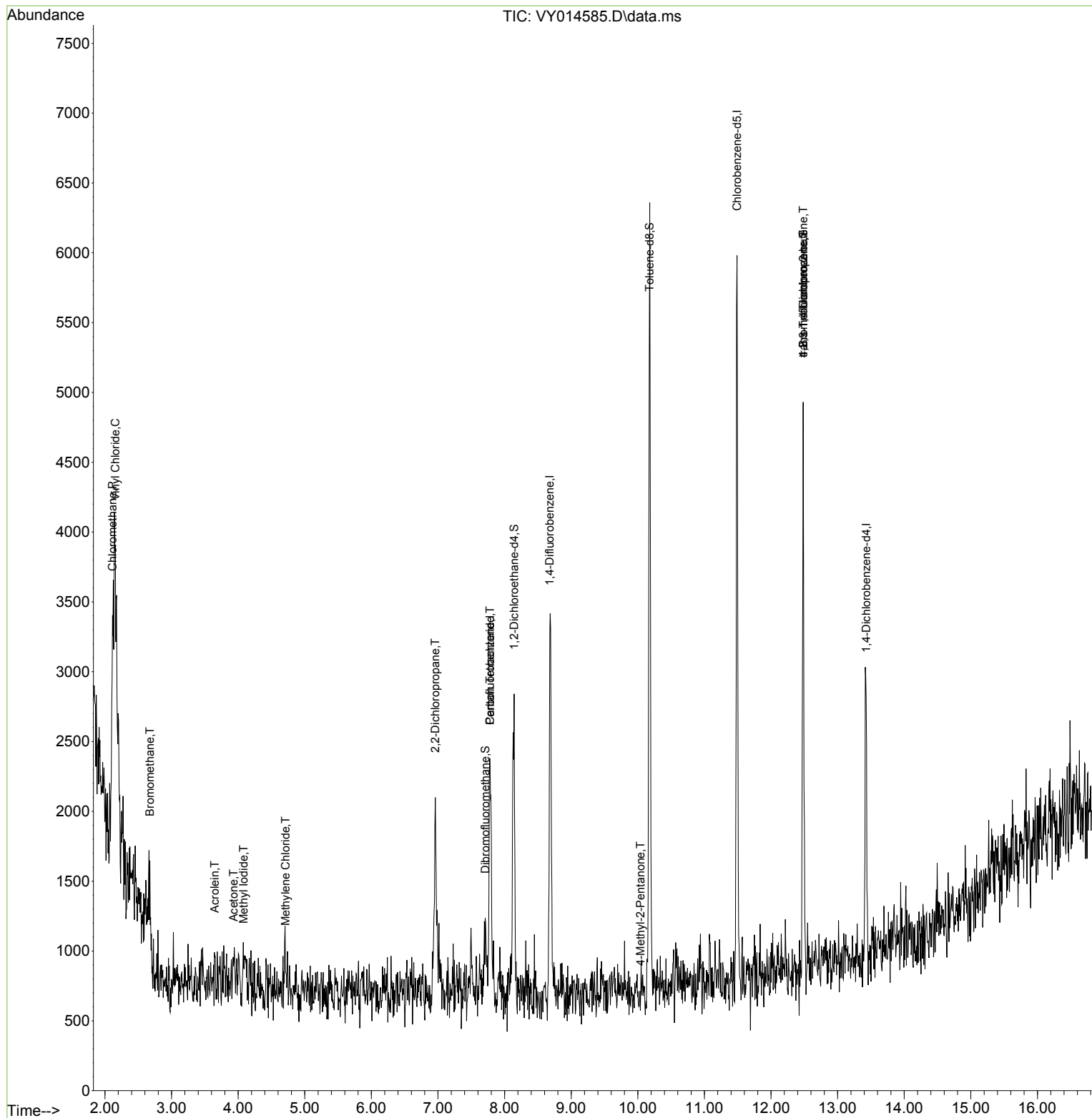
Internal Standards						
1) Pentafluorobenzene	7.783	168	2201	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.679	114	3107	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	3124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	1956	89.335	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 178.660%#			
35) Dibromofluoromethane	7.710	113	573	29.948	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 59.900%			
50) Toluene-d8	10.179	98	4149	54.855	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.720%			
62) 4-Bromofluorobenzene	12.483	95	1239	47.175	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.360%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	201	7.885	ug/l #	43
4) Vinyl Chloride	2.156	62	60	2.042	ug/l #	44
5) Bromomethane	2.674	94	262	11.500	ug/l #	62
10) Methyl Iodide	4.082	142	420	17.271	ug/l #	38
13) Acrolein	3.649	56	19	6.064	ug/l #	14
16) Acetone	3.930	43	146	21.352	ug/l #	46
20) Methylene Chloride	4.710	84	212	3.803	ug/l #	4
26) 2,2-Dichloropropane	6.960	77	40	1.166	ug/l #	54
38) Carbon Tetrachloride	7.783	117	90	2.942	ug/l #	12
51) 4-Methyl-2-Pentanone	10.039	43	21	1.042	ug/l #	39
76) 1,2,3-Trichloropropane	12.483	75	468	48.051	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	468	93.526	ug/l #	10

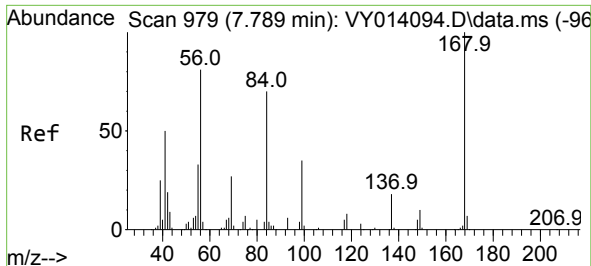
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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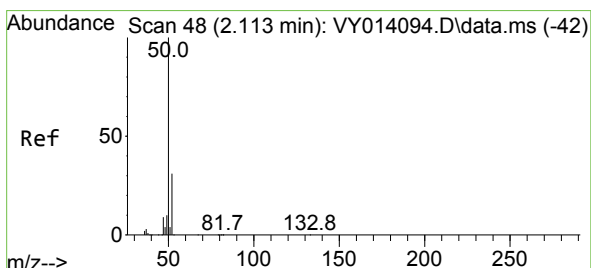
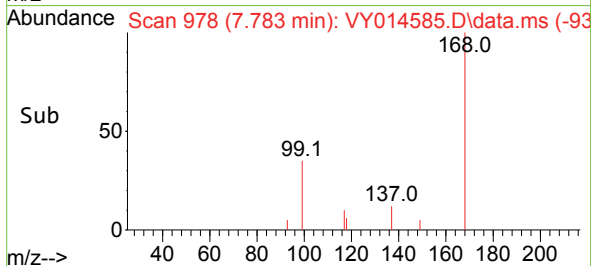
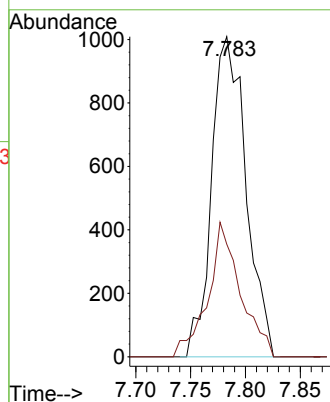
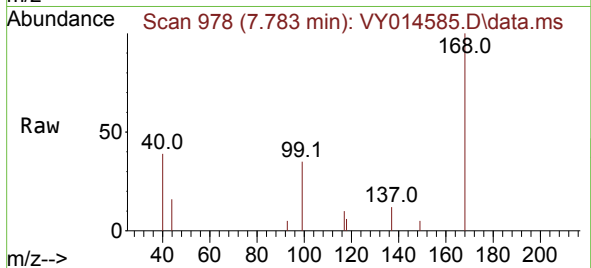




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014585.D
Acq: 06 Jul 2023 13:54

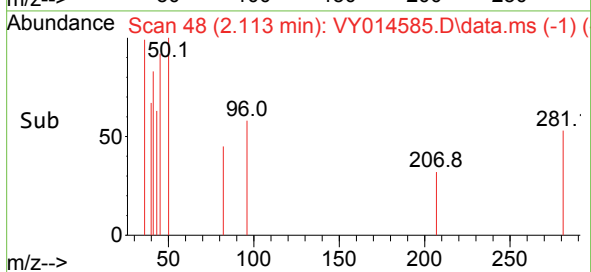
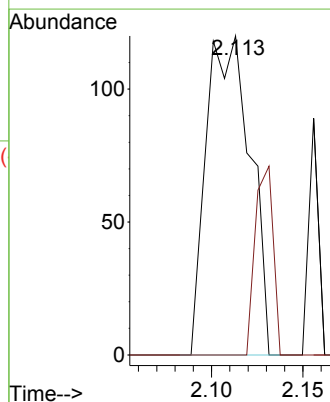
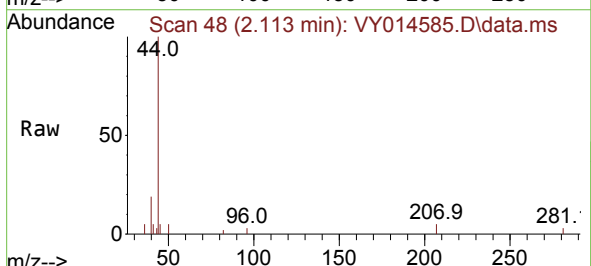
Instrument :
MSVOA_Y
ClientSampleId :
WALDWICK-COMP

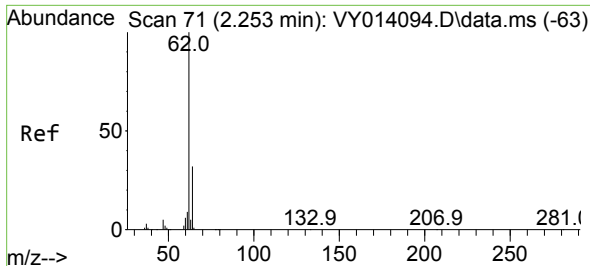
Tgt Ion:168 Resp: 2201
Ion Ratio Lower Upper
168 100
99 35.2 43.4 65.0#



#3
Chloromethane
Concen: 7.885 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY014585.D
Acq: 06 Jul 2023 13:54

Tgt Ion: 50 Resp: 201
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

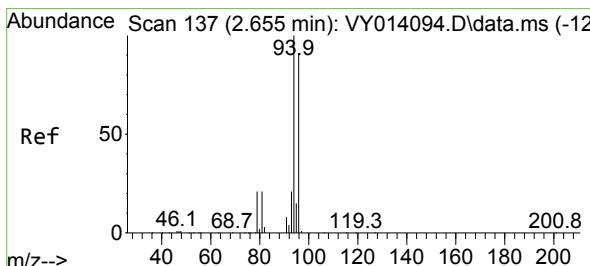
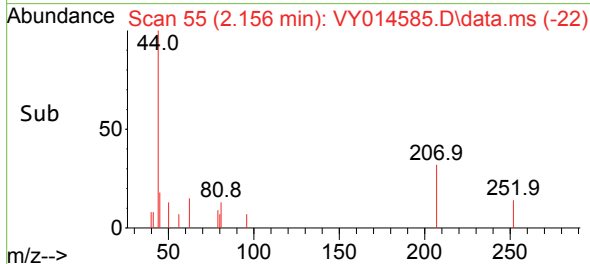
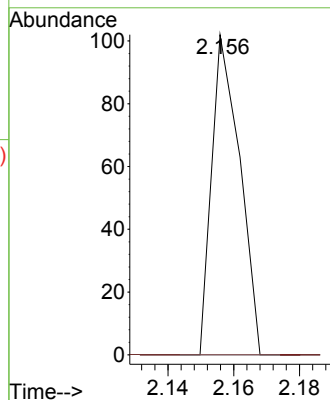
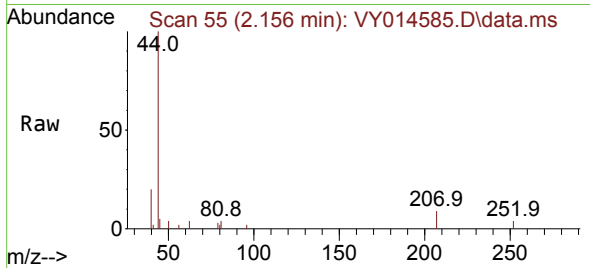




#4
 Vinyl Chloride
 Concen: 2.042 ug/l
 RT: 2.156 min Scan# 51
 Delta R.T. -0.097 min
 Lab File: VY014585.D
 Acq: 06 Jul 2023 13:54

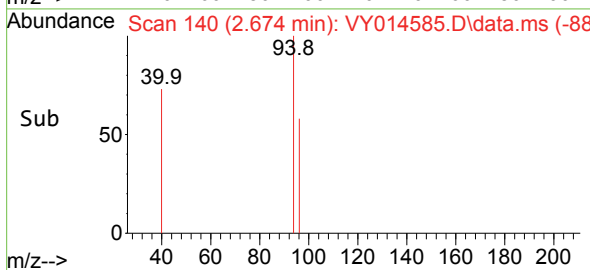
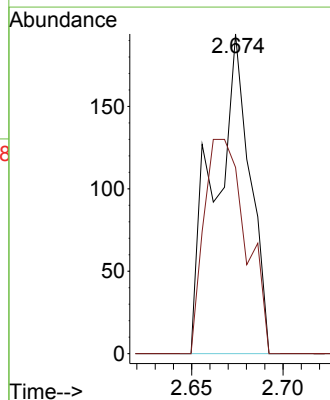
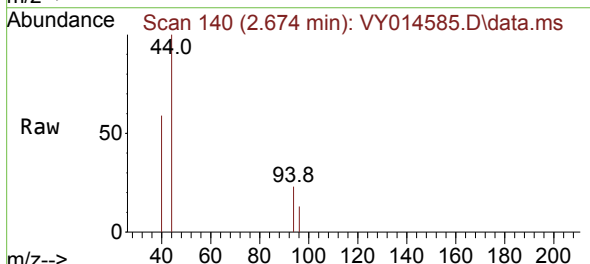
Instrument :
 MSVOA_Y
 ClientSampleId :
 WALDWICK-COMP

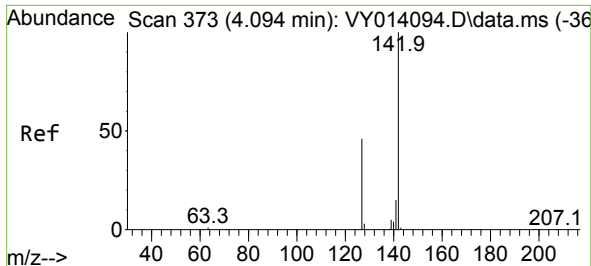
Tgt Ion: 62 Resp: 60
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.3 36.5#



#5
 Bromomethane
 Concen: 11.500 ug/l
 RT: 2.674 min Scan# 140
 Delta R.T. 0.019 min
 Lab File: VY014585.D
 Acq: 06 Jul 2023 13:54

Tgt Ion: 94 Resp: 262
 Ion Ratio Lower Upper
 94 100
 96 58.2 75.8 113.6#





#10

Methyl Iodide

Concen: 17.271 ug/l

RT: 4.082 min Scan# 31

Delta R.T. -0.012 min

Lab File: VY014585.D

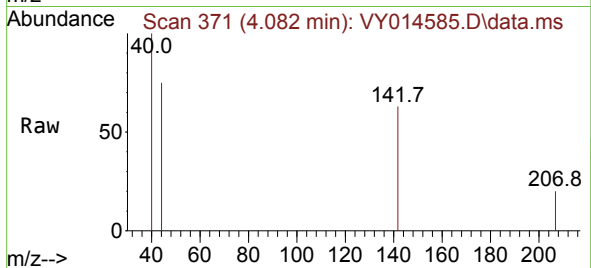
Acq: 06 Jul 2023 13:54

Instrument :

MSVOA_Y

ClientSampleId :

WALDWICK-COMP



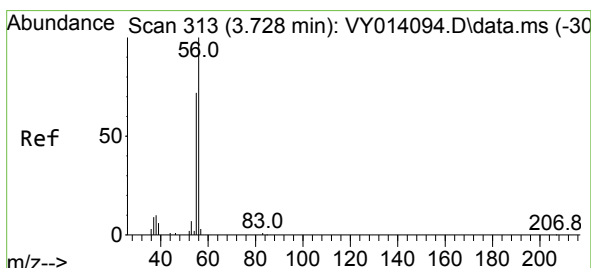
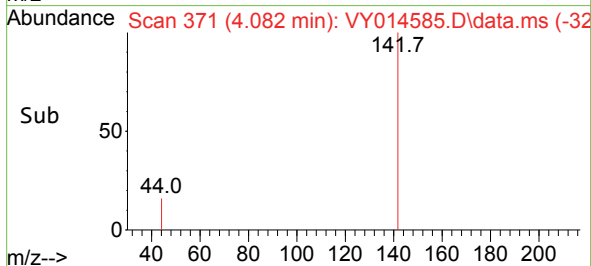
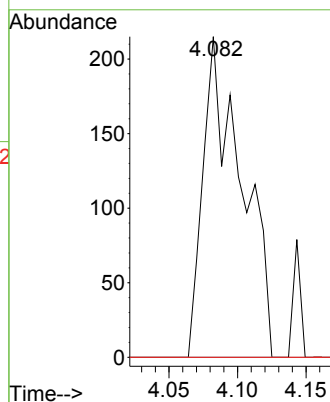
Tgt Ion:142 Resp: 420

Ion Ratio Lower Upper

142 100

127 0.0 37.6 56.4#

141 0.0 11.8 17.8#



#13

Acrolein

Concen: 6.064 ug/l

RT: 3.649 min Scan# 300

Delta R.T. -0.079 min

Lab File: VY014585.D

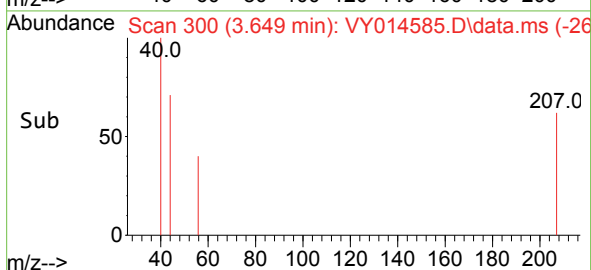
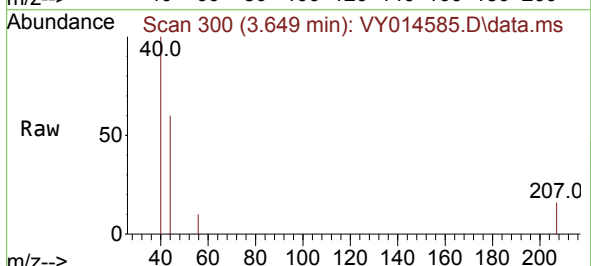
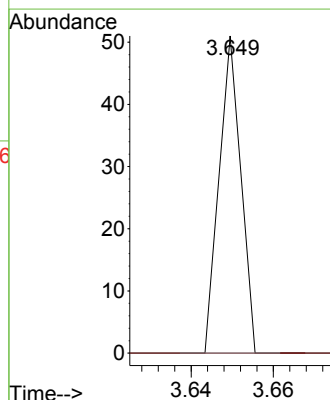
Acq: 06 Jul 2023 13:54

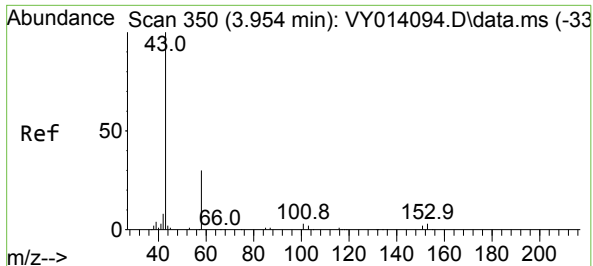
Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#

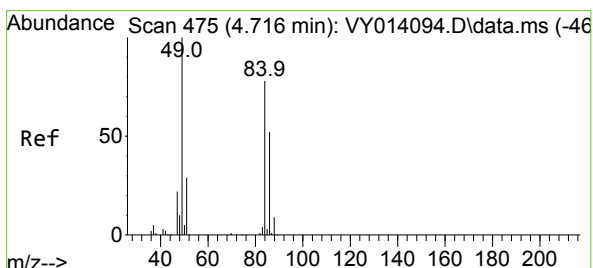
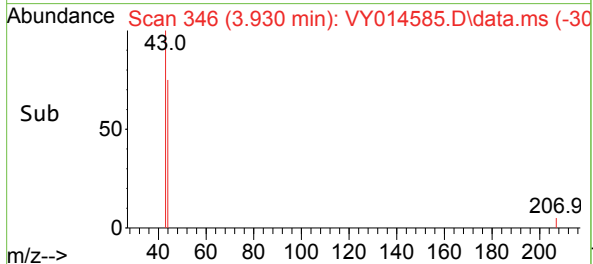
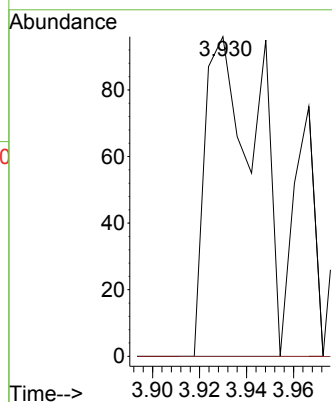
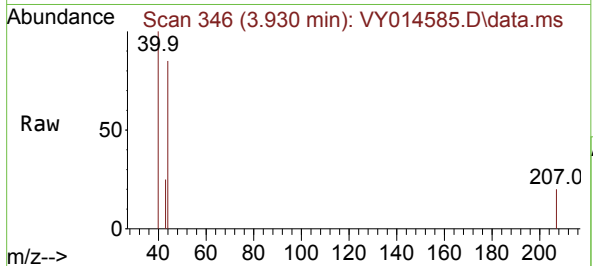




#16
Acetone
Concen: 21.352 ug/l
RT: 3.930 min Scan# 34
Delta R.T. -0.024 min
Lab File: VY014585.D
Acq: 06 Jul 2023 13:54

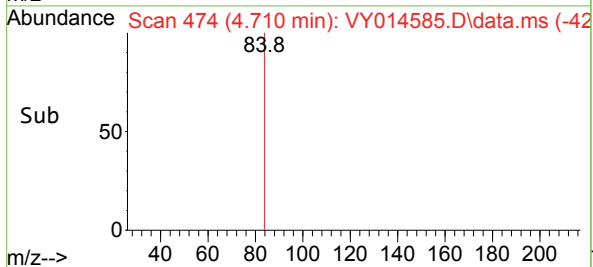
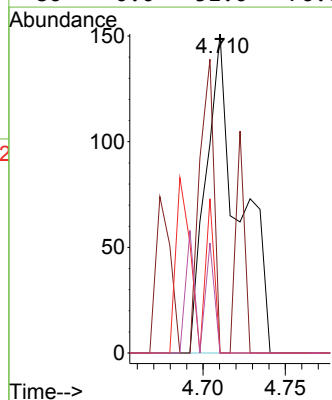
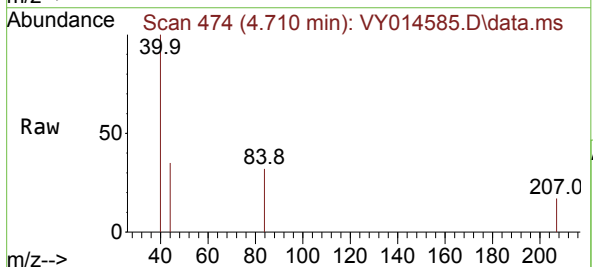
Instrument :
MSVOA_Y
ClientSampleId :
WALDWICK-COMP

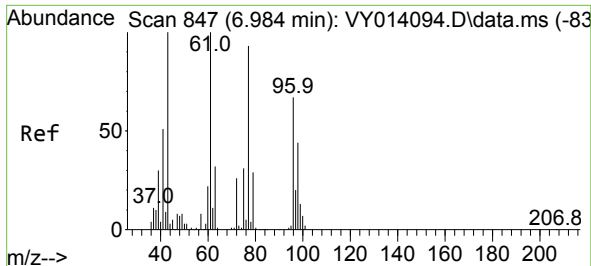
Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#20
Methylene Chloride
Concen: 3.803 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014585.D
Acq: 06 Jul 2023 13:54

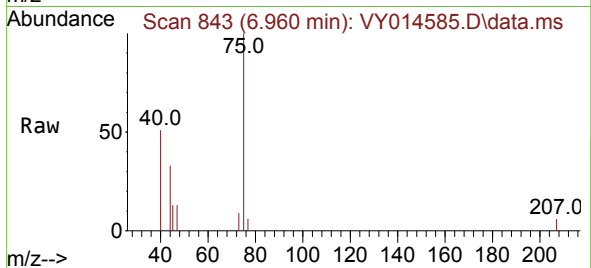
Tgt Ion: 84 Resp: 212
Ion Ratio Lower Upper
84 100
49 0.0 106.9 160.3#
51 0.0 33.2 49.8#
86 0.0 51.0 76.6#



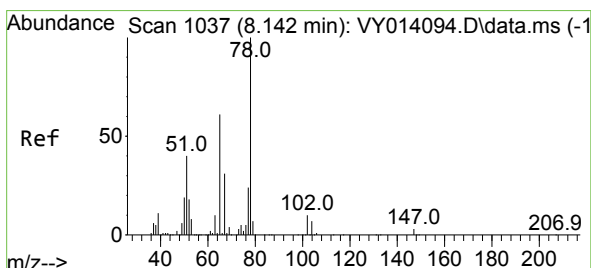
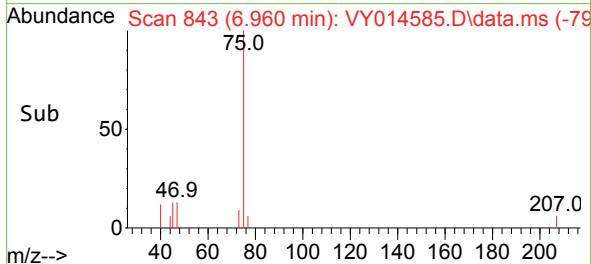
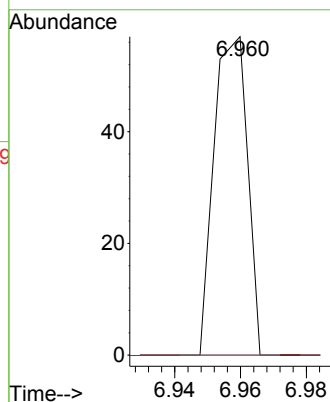


#26
2,2-Dichloropropane
Concen: 1.166 ug/l
RT: 6.960 min Scan# 84
Delta R.T. -0.024 min
Lab File: VY014585.D
Acq: 06 Jul 2023 13:54

Instrument :
MSVOA_Y
ClientSampleId :
WALDWICK-COMP

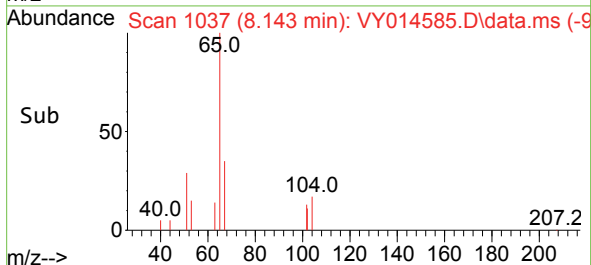
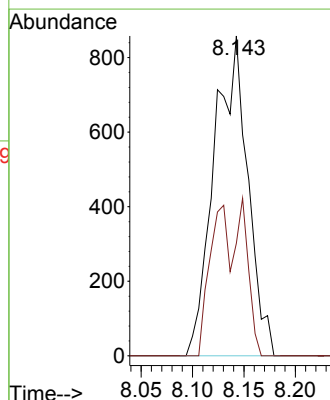
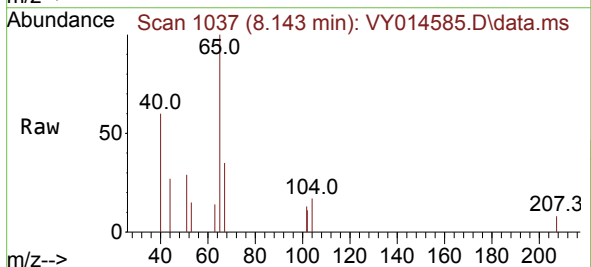


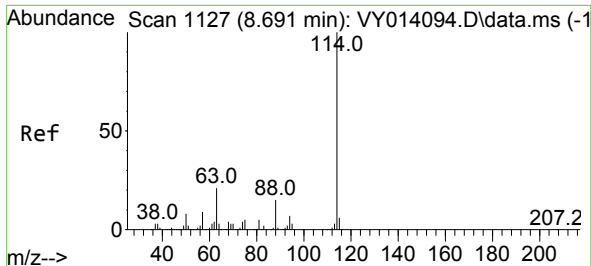
Tgt Ion: 77 Resp: 40
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 89.335 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014585.D
Acq: 06 Jul 2023 13:54

Tgt Ion: 65 Resp: 1956
Ion Ratio Lower Upper
65 100
67 27.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.012 min

Lab File: VY014585.D

Acq: 06 Jul 2023 13:54

Instrument :

MSVOA_Y

ClientSampleId :

WALDWICK-COMP

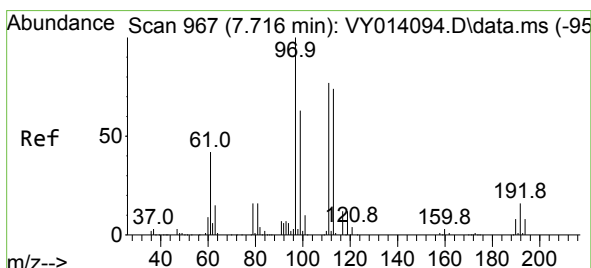
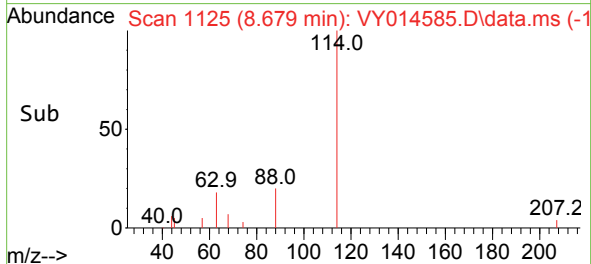
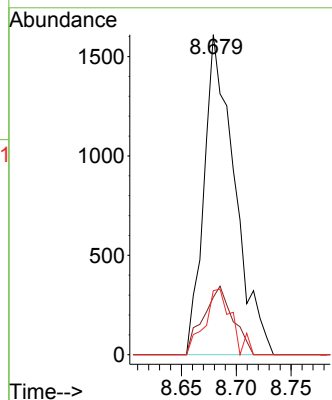
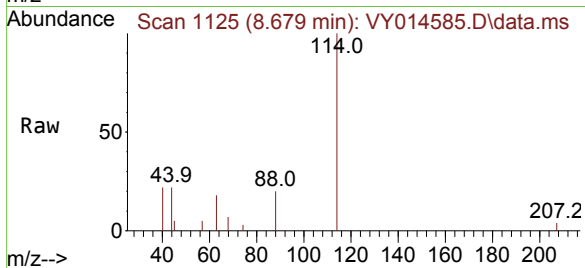
Tgt Ion:114 Resp: 3107

Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.4

88 20.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 29.948 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014585.D

Acq: 06 Jul 2023 13:54

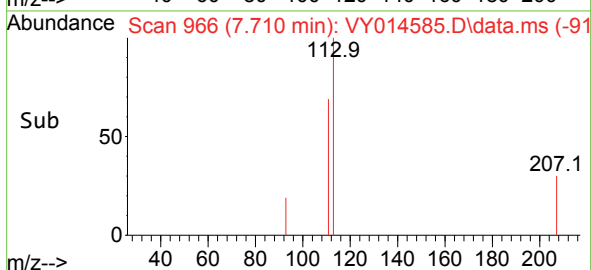
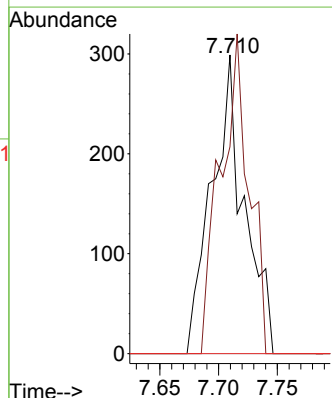
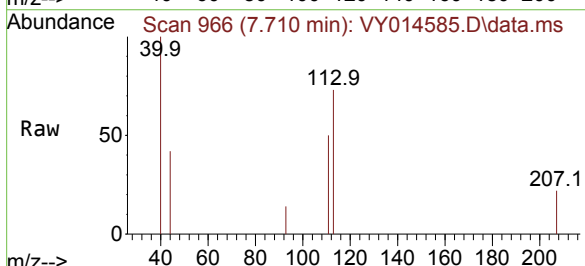
Tgt Ion:113 Resp: 573

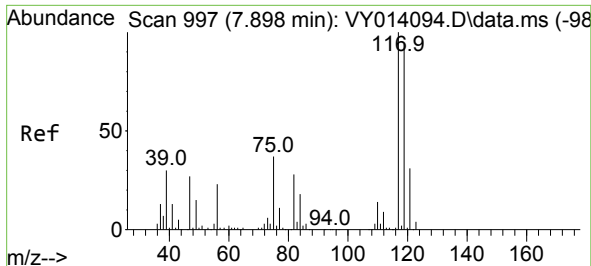
Ion Ratio Lower Upper

113 100

111 94.6 81.3 121.9

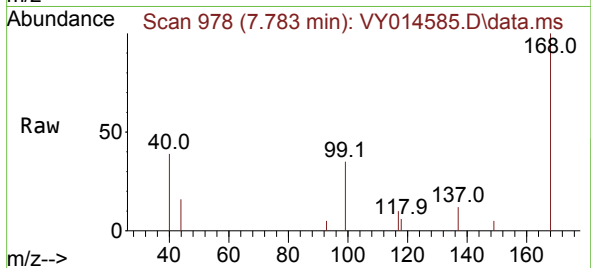
192 0.0 16.9 25.3#



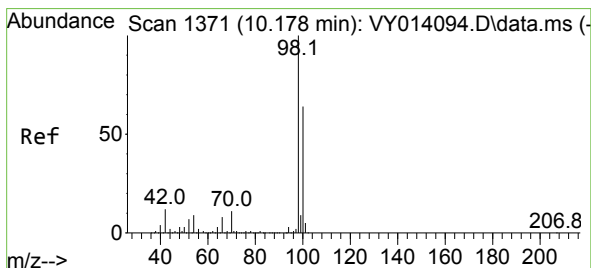
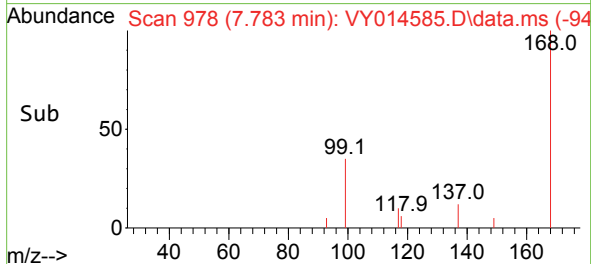
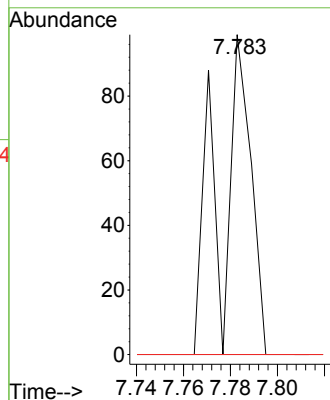


#38
Carbon Tetrachloride
Concen: 2.942 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014585.D
Acq: 06 Jul 2023 13:54

Instrument :
MSVOA_Y
ClientSampleId :
WALDWICK-COMP

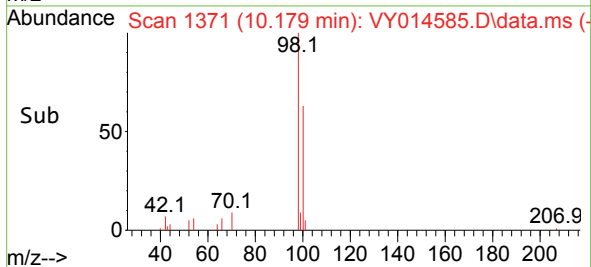
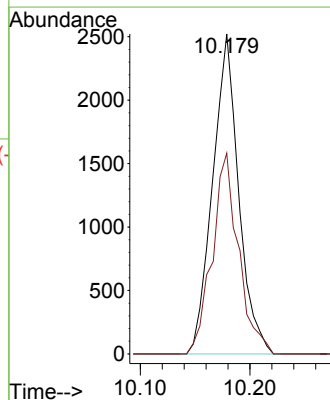
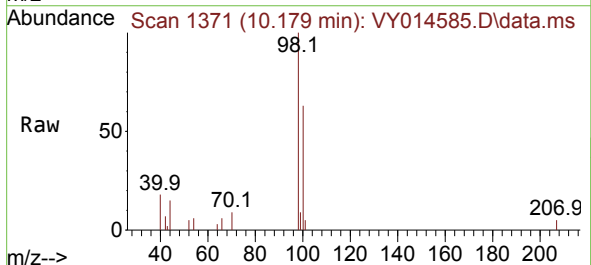


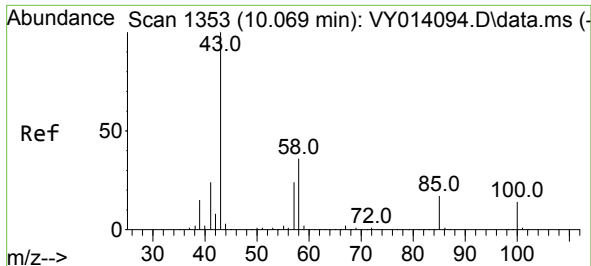
Tgt Ion:117 Resp: 90
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 54.855 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014585.D
Acq: 06 Jul 2023 13:54

Tgt Ion: 98 Resp: 4149
Ion Ratio Lower Upper
98 100
100 63.5 50.1 75.1

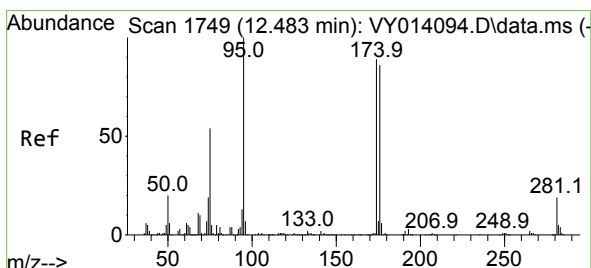
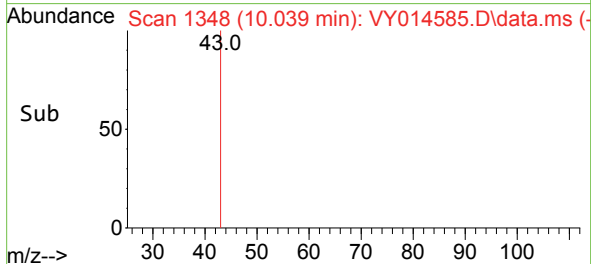
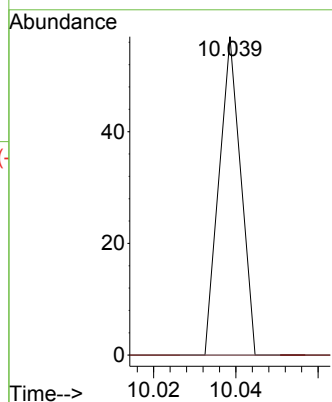
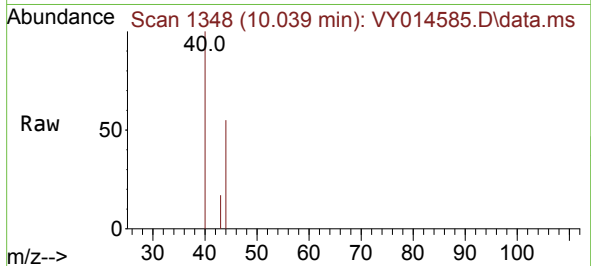




#51
4-Methyl-2-Pentanone
Concen: 1.042 ug/l
RT: 10.039 min Scan# 11
Delta R.T. -0.030 min
Lab File: VY014585.D
Acq: 06 Jul 2023 13:54

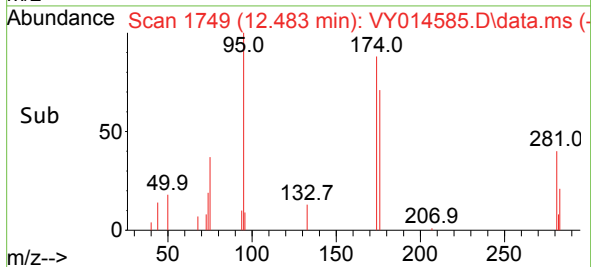
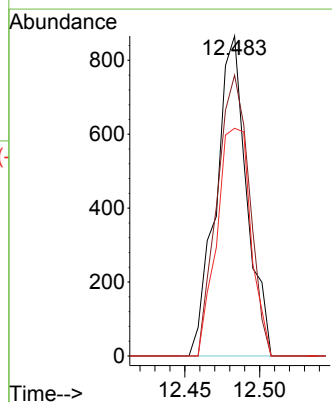
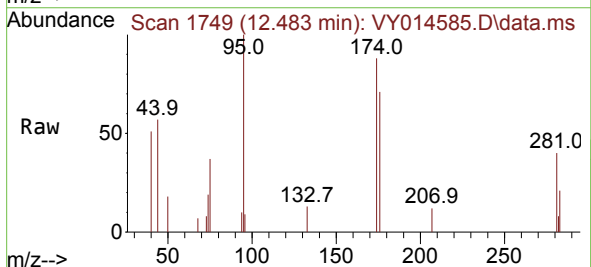
Instrument :
MSVOA_Y
ClientSampleId :
WALDWICK-COMP

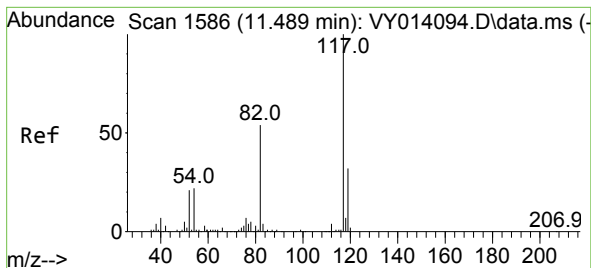
Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#



#62
4-Bromofluorobenzene
Concen: 47.175 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014585.D
Acq: 06 Jul 2023 13:54

Tgt Ion: 95 Resp: 1239
Ion Ratio Lower Upper
95 100
174 91.5 0.0 178.2
176 78.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014585.D

Acq: 06 Jul 2023 13:54

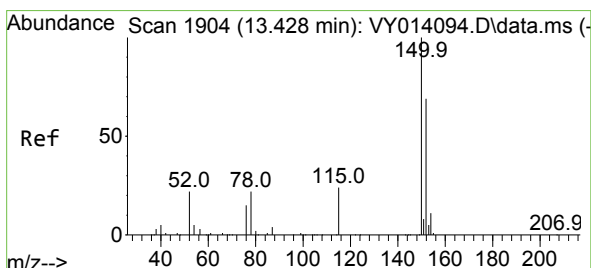
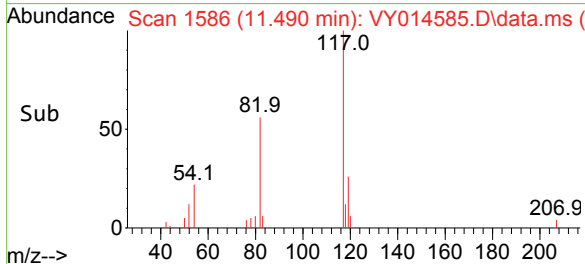
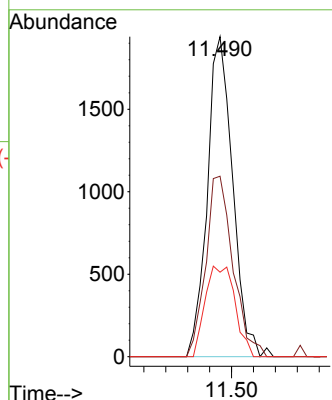
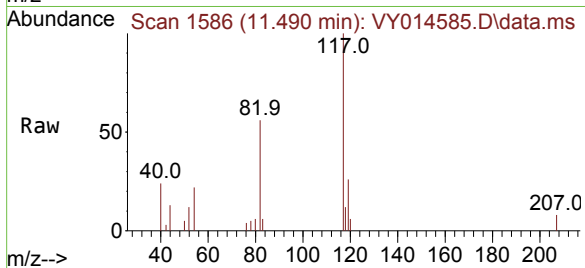
Instrument :

MSVOA_Y

ClientSampleId :

WALDWICK-COMP

Tgt Ion:117	Resp:	3124
Ion	Ratio	Lower Upper
117	100	
82	56.4	43.4 65.0
119	26.4	26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

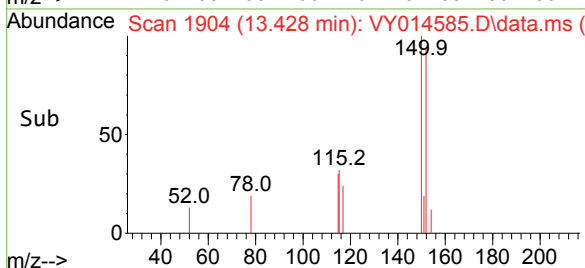
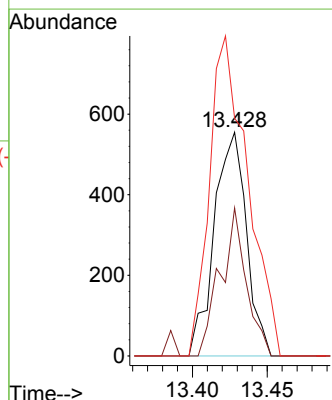
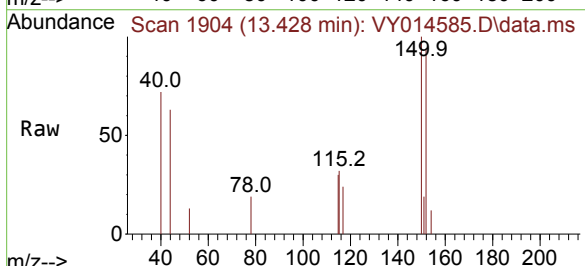
RT: 13.428 min Scan# 1904

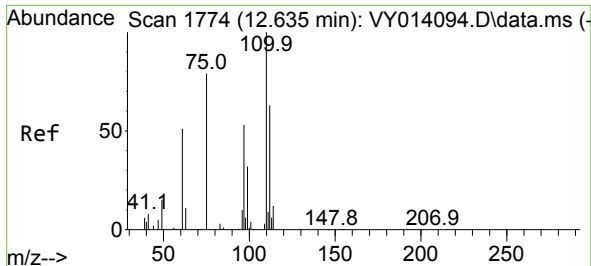
Delta R.T. 0.000 min

Lab File: VY014585.D

Acq: 06 Jul 2023 13:54

Tgt Ion:152	Resp:	830
Ion	Ratio	Lower Upper
152	100	
115	53.5	28.8 86.5
150	169.4	0.0 348.8

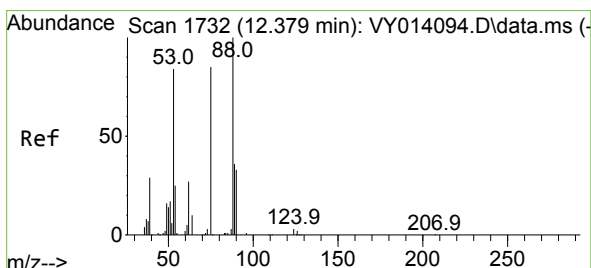
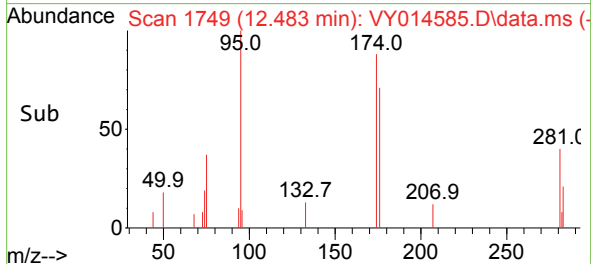
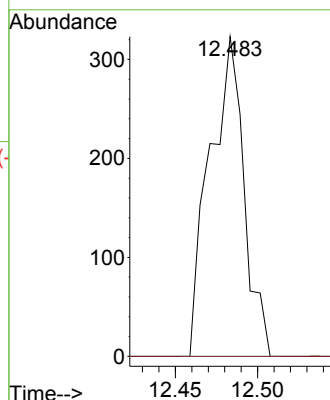
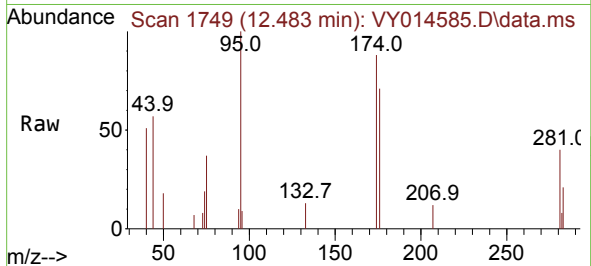




#76
1,2,3-Trichloropropane
Concen: 48.051 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014585.D
Acq: 06 Jul 2023 13:54

Instrument :
MSVOA_Y
ClientSampleId :
WALDWICK-COMP

Tgt Ion: 75 Resp: 468
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 93.526 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014585.D
Acq: 06 Jul 2023 13:54

Tgt Ion: 75 Resp: 468
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

