

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082323\
 Data File : VY015304.D
 Acq On : 24 Aug 2023 00:25
 Operator : SY/MD
 Sample : 04110-20
 Misc : 3.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 24 02:40:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

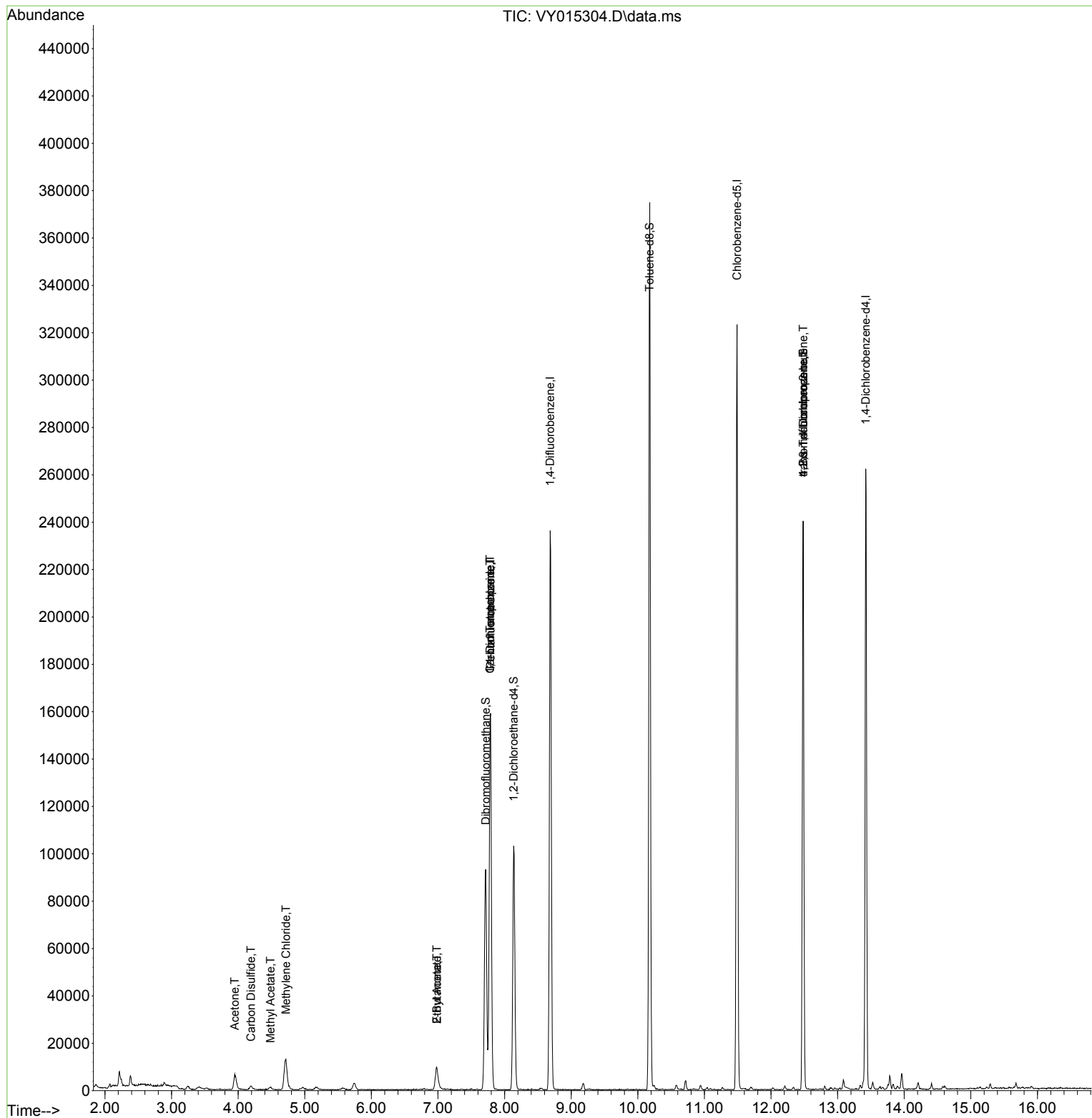
Internal Standards						
1) Pentafluorobenzene	7.789	168	124804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	205248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	172823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	67713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	78980	52.718	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.440%			
35) Dibromofluoromethane	7.716	113	64309	48.703	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.400%			
50) Toluene-d8	10.179	98	236517	48.118	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.240%			
62) 4-Bromofluorobenzene	12.483	95	68349	38.070	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 76.140%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	133	Below Cal	#	43
5) Bromomethane	2.656	94	236	Below Cal		88
11) Tert butyl alcohol	4.966	59	2053	Below Cal	#	89
16) Acetone	3.948	43	10929	22.330	ug/l	91
17) Carbon Disulfide	4.192	76	3161	2.068	ug/l	# 79
18) Methyl Acetate	4.485	43	2182	1.217	ug/l	# 98
20) Methylene Chloride	4.716	84	9674	4.295	ug/l	# 89
25) 2-Butanone	6.984	43	2739	3.953	ug/l	# 86
31) Cyclohexane	7.777	56	3043	Below Cal	#	27
36) 1,1-Dichloropropene	7.783	75	9657	6.611	ug/l	# 51
37) Ethyl Acetate	6.984	43	2739	2.012	ug/l	# 83
38) Carbon Tetrachloride	7.783	117	12397	7.171	ug/l	# 15
76) 1,2,3-Trichloropropane	12.483	75	36922	44.881	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	36922	98.580	ug/l	# 10

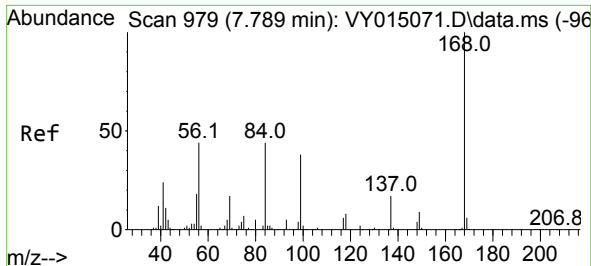
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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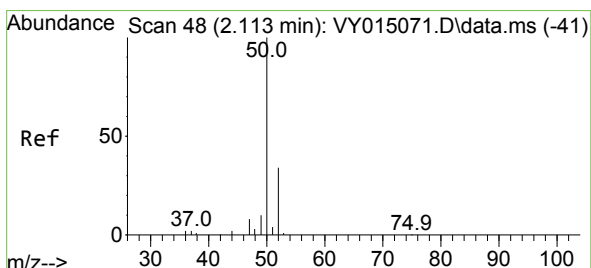
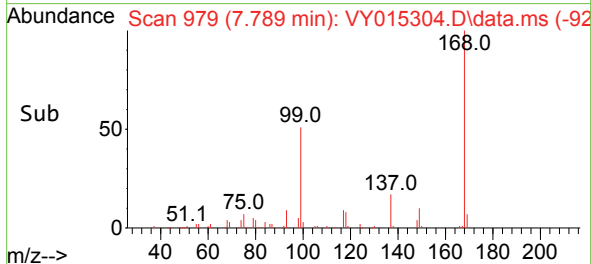
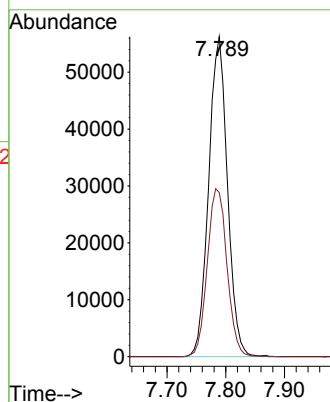
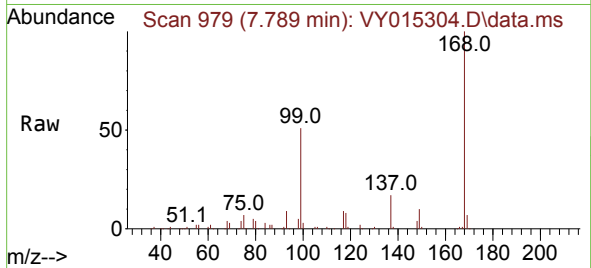




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015304.D
Acq: 24 Aug 2023 00:25

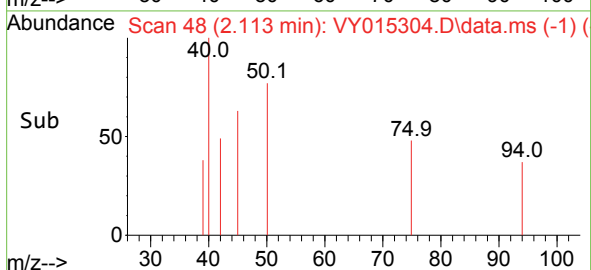
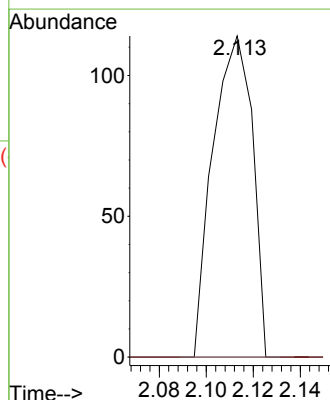
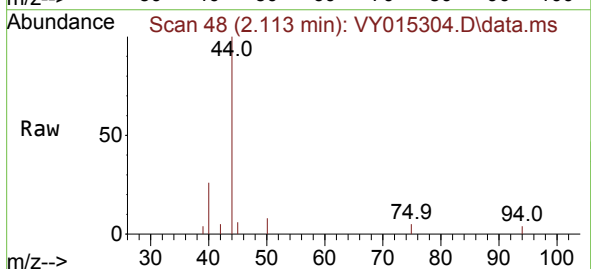
Instrument :
MSVOA_Y
ClientSampleId :

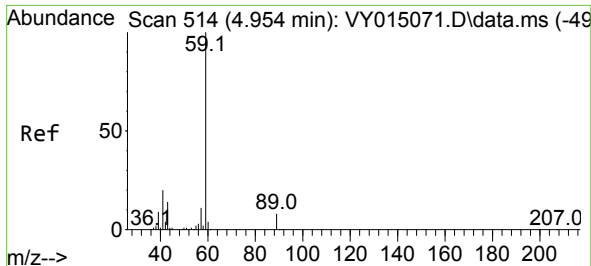
Tgt Ion:168 Resp: 124804
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015304.D
Acq: 24 Aug 2023 00:25

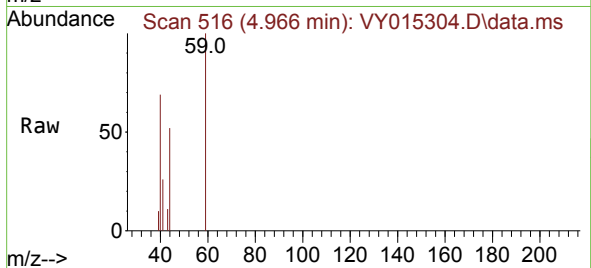
Tgt Ion: 50 Resp: 133
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



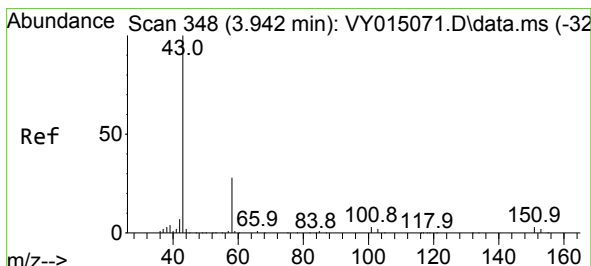
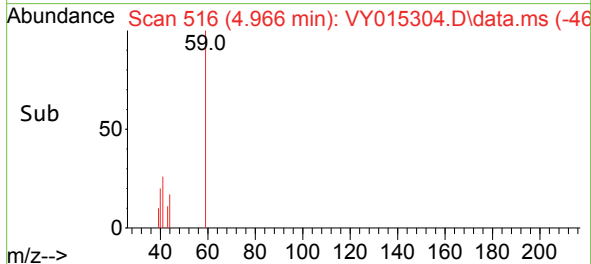
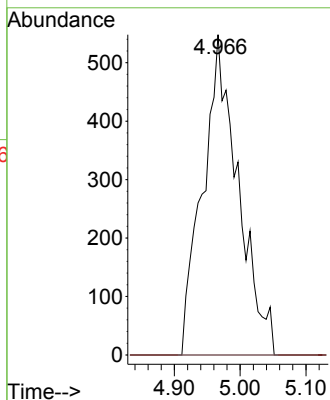


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 514
Delta R.T. 0.018 min
Lab File: VY015304.D
Acq: 24 Aug 2023 00:25

Instrument :
MSVOA_Y
ClientSampleId :

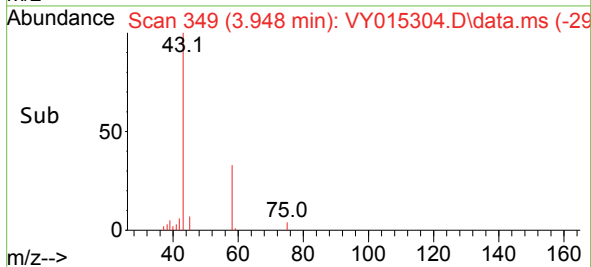
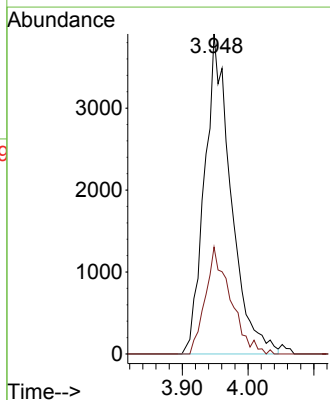
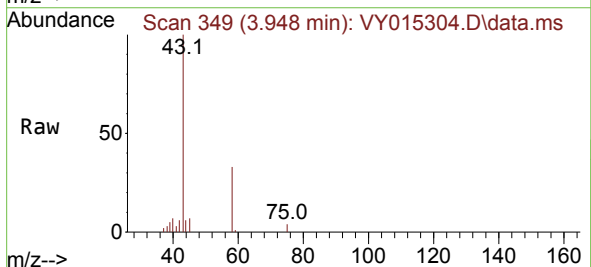


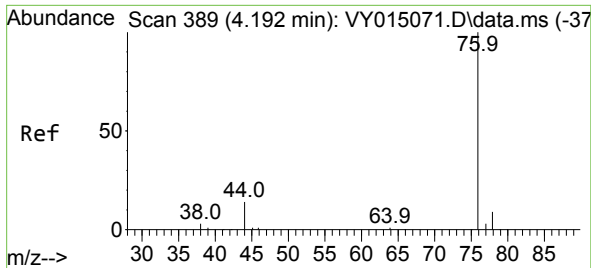
Tgt Ion: 59 Resp: 2053
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 22.330 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015304.D
Acq: 24 Aug 2023 00:25

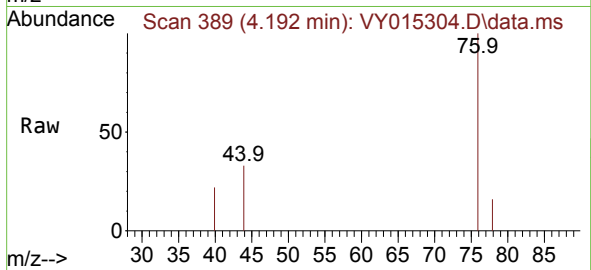
Tgt Ion: 43 Resp: 10929
Ion Ratio Lower Upper
43 100
58 33.4 22.7 34.1



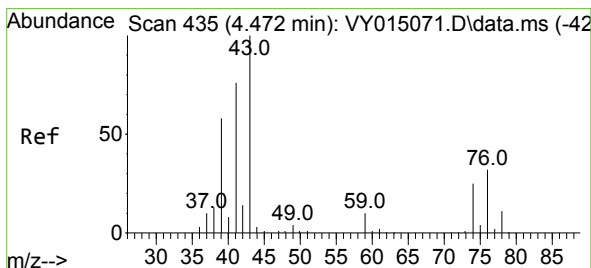
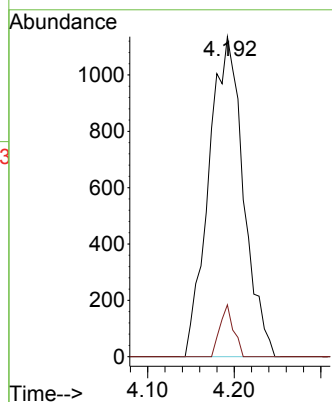
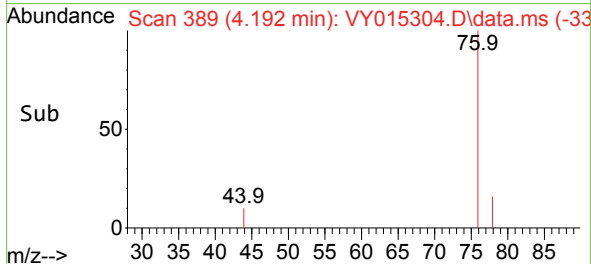


#17
Carbon Disulfide
Concen: 2.068 ug/l
RT: 4.192 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY015304.D
Acq: 24 Aug 2023 00:25

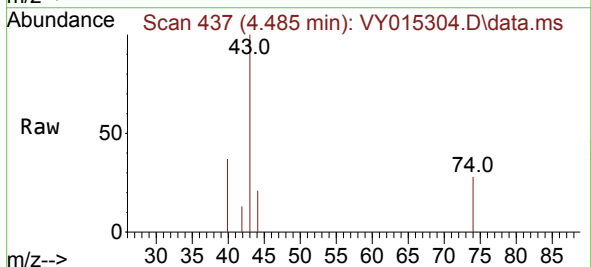
Instrument :
MSVOA_Y
ClientSampleId :



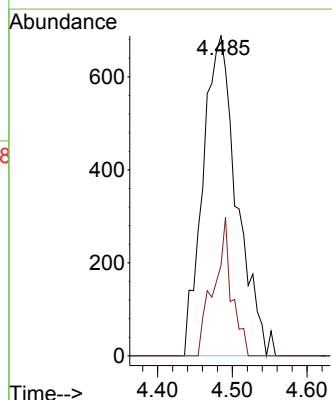
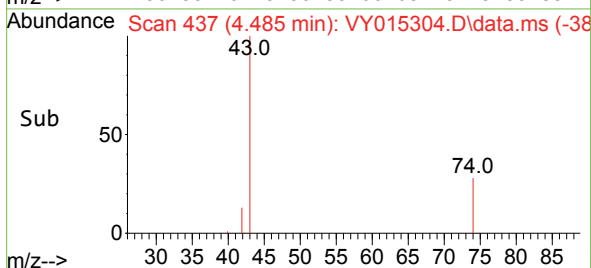
Tgt Ion: 76 Resp: 3161
Ion Ratio Lower Upper
76 100
78 16.2 7.0 10.4#

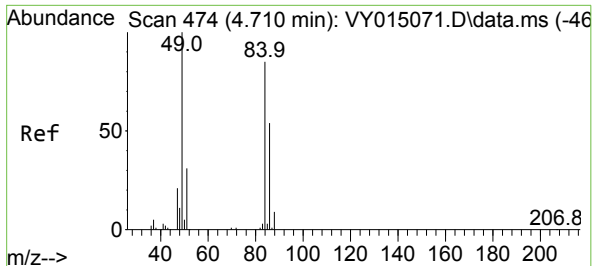


#18
Methyl Acetate
Concen: 1.217 ug/l
RT: 4.485 min Scan# 437
Delta R.T. 0.019 min
Lab File: VY015304.D
Acq: 24 Aug 2023 00:25



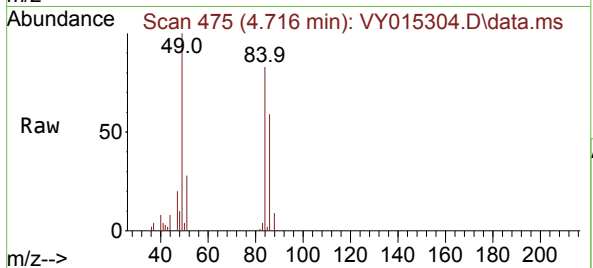
Tgt Ion: 43 Resp: 2182
Ion Ratio Lower Upper
43 100
74 22.7 17.4 26.0





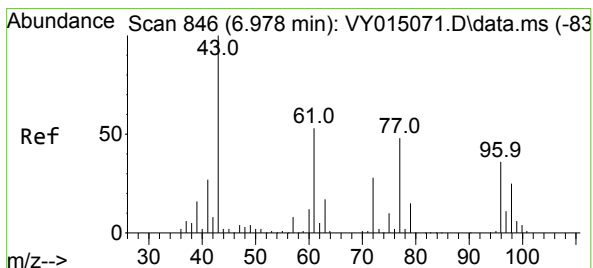
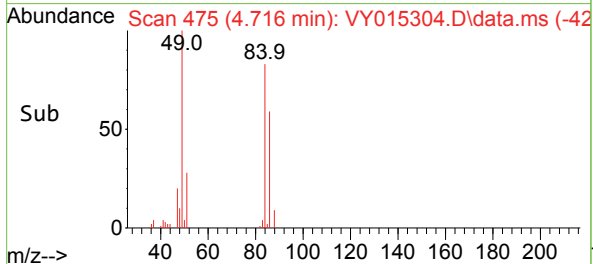
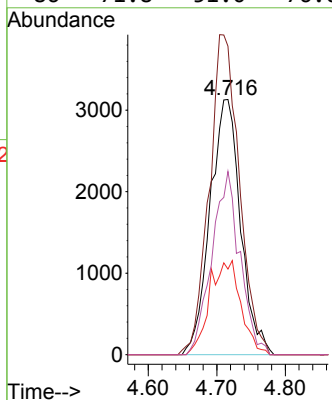
#20
Methylene Chloride
Concen: 4.295 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015304.D
Acq: 24 Aug 2023 00:25

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 9674

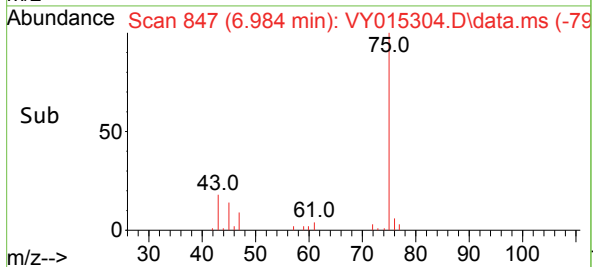
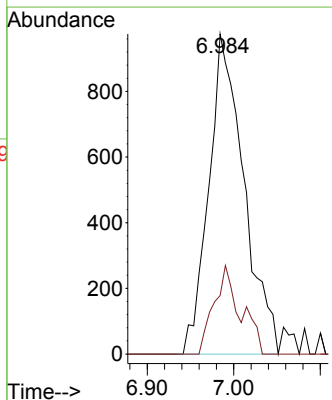
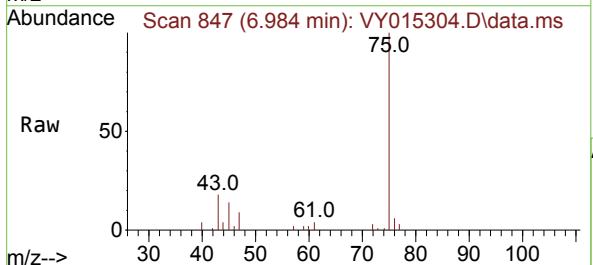
Ion	Ratio	Lower	Upper
84	100		
49	120.9	106.9	160.3
51	33.6	33.2	49.8
86	71.8	51.0	76.6

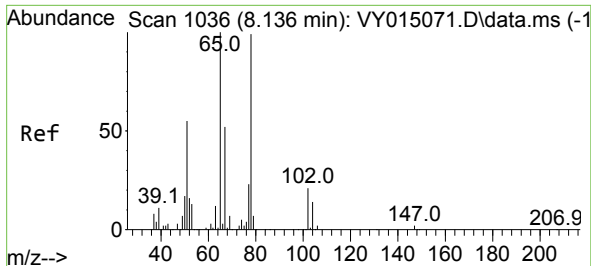


#25
2-Butanone
Concen: 3.953 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015304.D
Acq: 24 Aug 2023 00:25

Tgt Ion: 43 Resp: 2739

Ion	Ratio	Lower	Upper
43	100		
72	18.3	20.5	30.7#





#33

1,2-Dichloroethane-d4

Concen: 52.718 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015304.D

Acq: 24 Aug 2023 00:25

Instrument :

MSVOA_Y

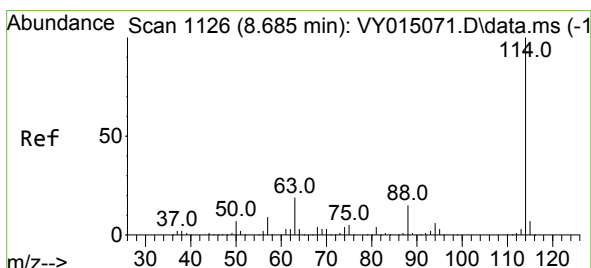
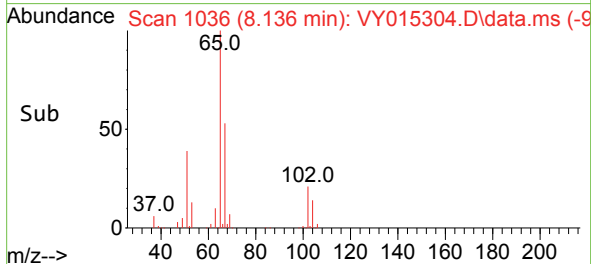
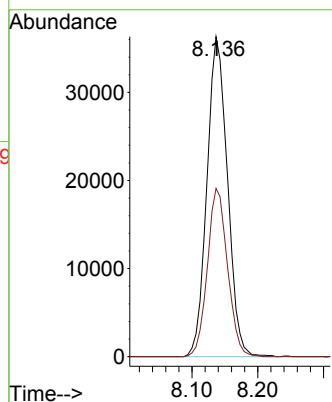
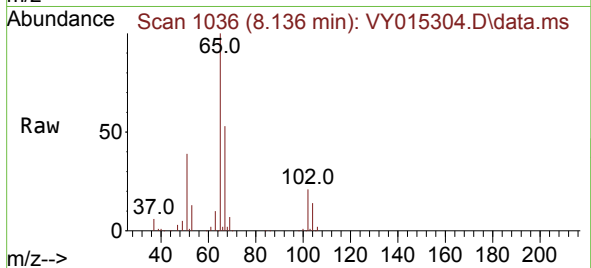
ClientSampleId :

Tgt Ion: 65 Resp: 78980

Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015304.D

Acq: 24 Aug 2023 00:25

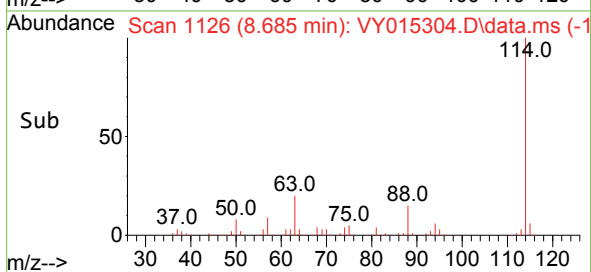
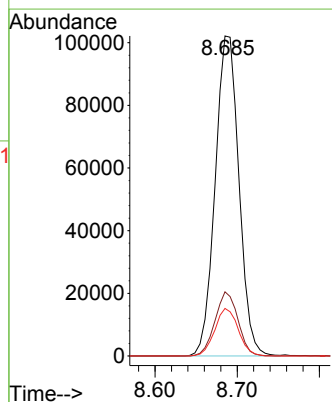
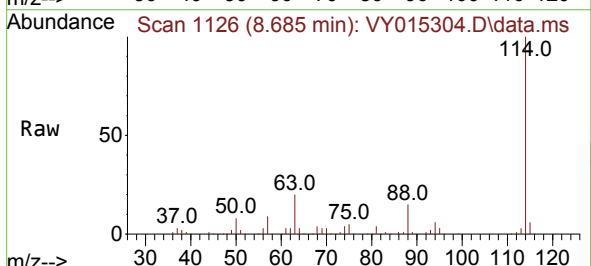
Tgt Ion: 114 Resp: 205248

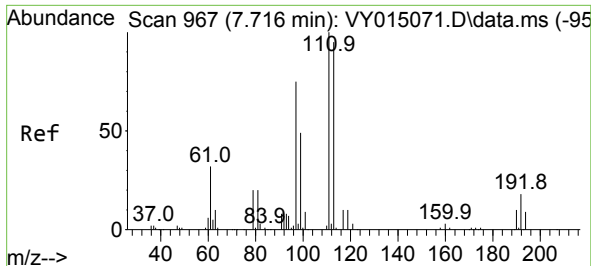
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

88 14.8 0.0 30.6

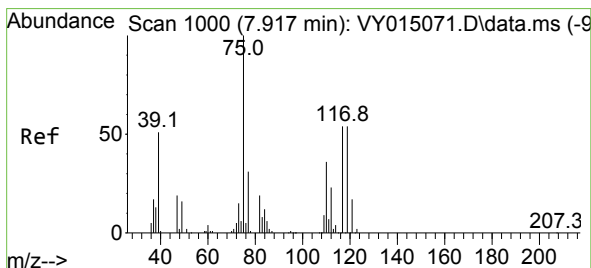
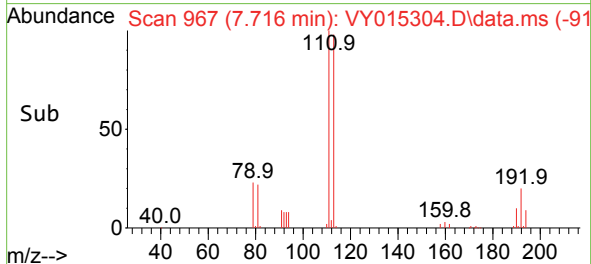
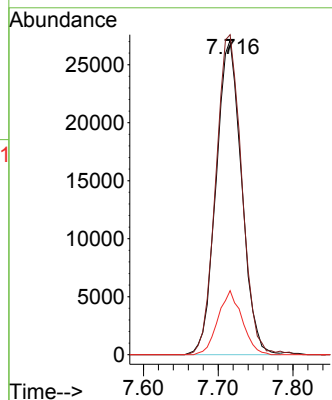
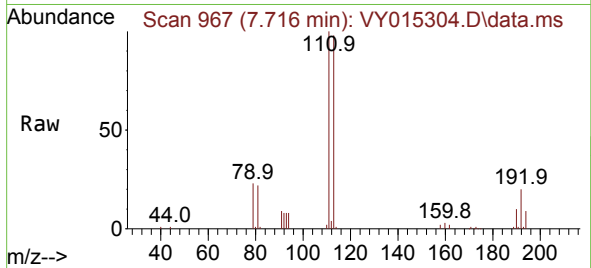




#35
Dibromofluoromethane
Concen: 48.703 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY015304.D
Acq: 24 Aug 2023 00:25

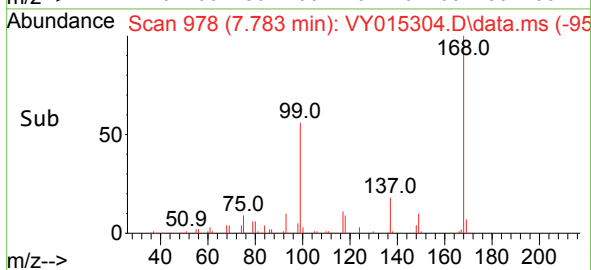
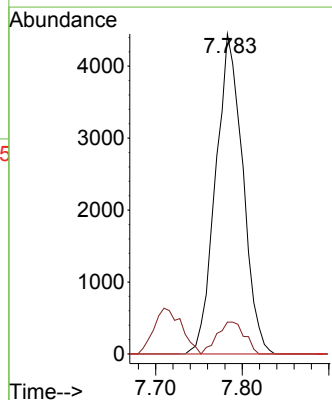
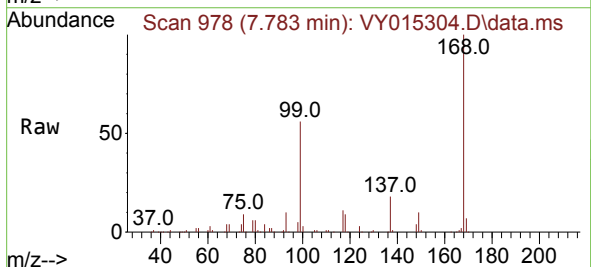
Instrument :
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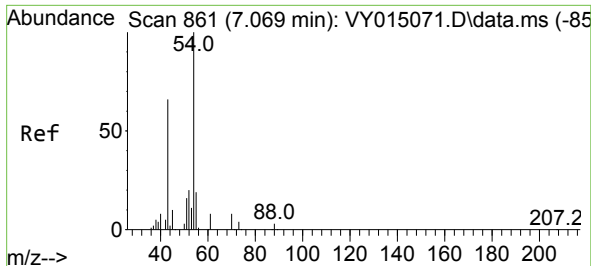
Tgt Ion:113 Resp: 64309
Ion Ratio Lower Upper
113 100
111 103.5 81.3 121.9
192 19.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.611 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015304.D
Acq: 24 Aug 2023 00:25

Tgt Ion: 75 Resp: 9657
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.012 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.085 min

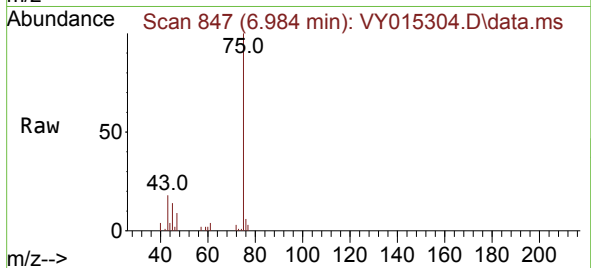
Lab File: VY015304.D

Acq: 24 Aug 2023 00:25

Instrument :

MSVOA_Y

ClientSampleId :



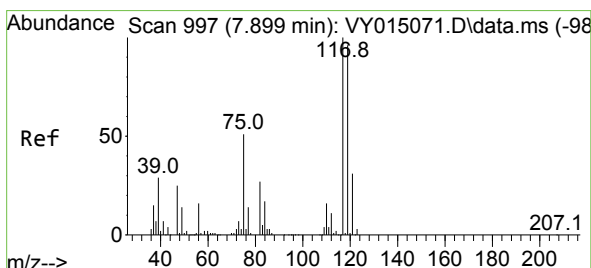
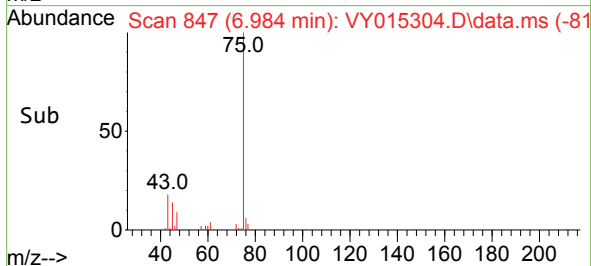
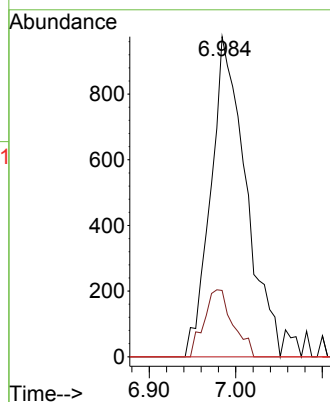
Tgt Ion: 43 Resp: 2739

Ion Ratio Lower Upper

43 100

61 17.2 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 7.171 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY015304.D

Acq: 24 Aug 2023 00:25

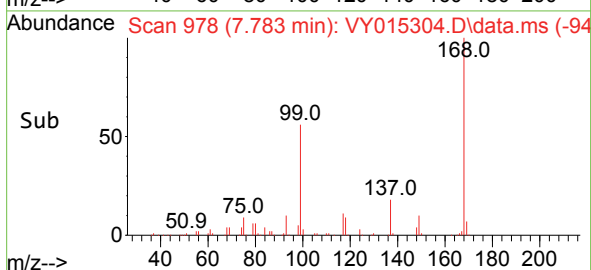
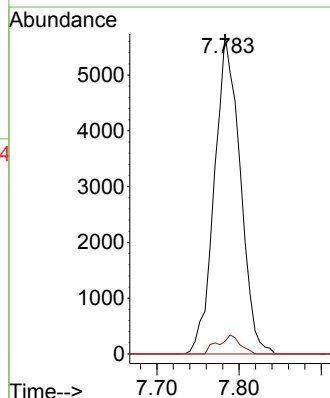
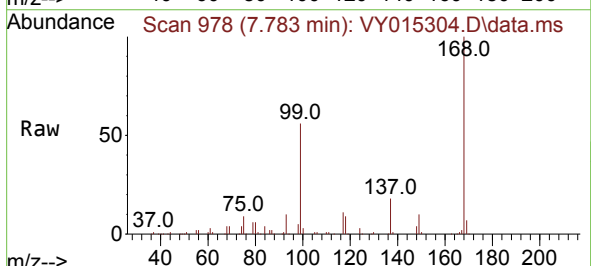
Tgt Ion: 117 Resp: 12397

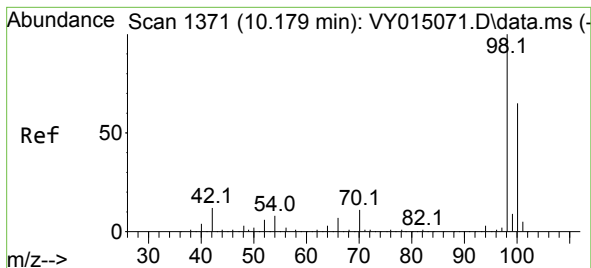
Ion Ratio Lower Upper

117 100

119 4.0 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 48.118 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015304.D

Acq: 24 Aug 2023 00:25

Instrument :

MSVOA_Y

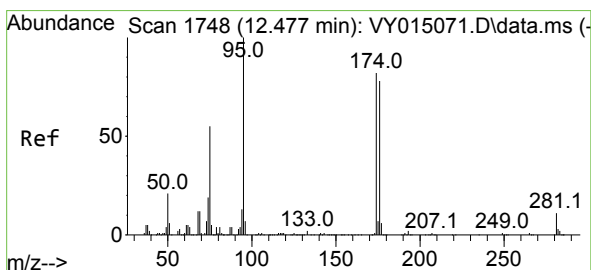
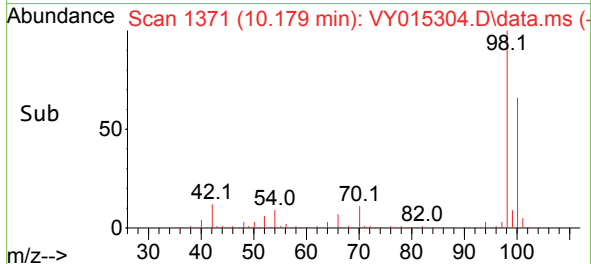
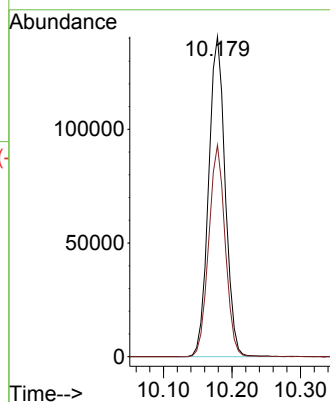
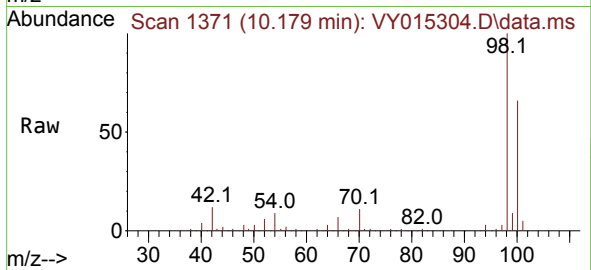
ClientSampleId :

Tgt Ion: 98 Resp: 236517

Ion Ratio Lower Upper

98 100

100 65.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 38.070 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015304.D

Acq: 24 Aug 2023 00:25

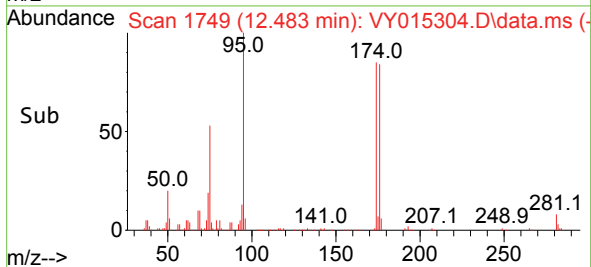
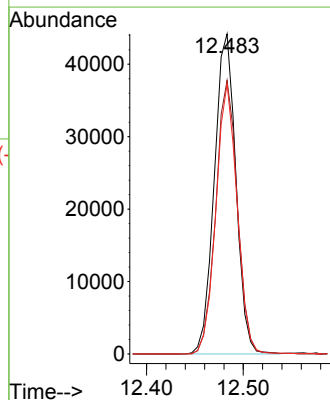
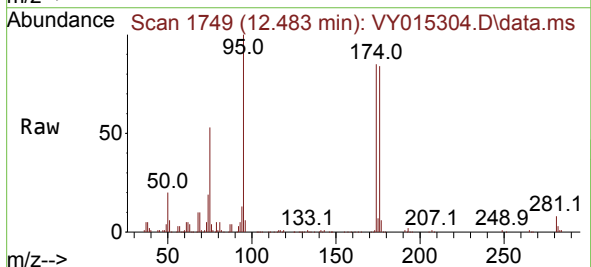
Tgt Ion: 95 Resp: 68349

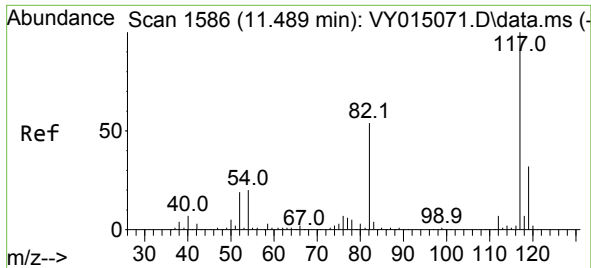
Ion Ratio Lower Upper

95 100

174 85.7 0.0 178.2

176 82.9 0.0 173.8

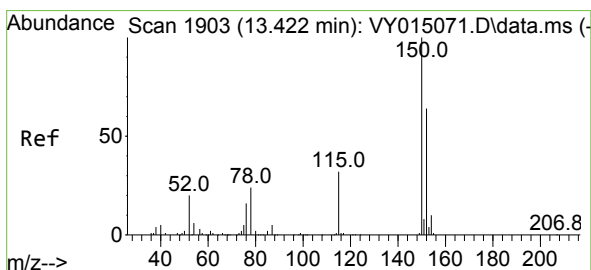
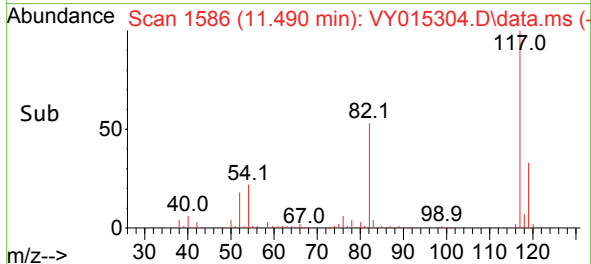
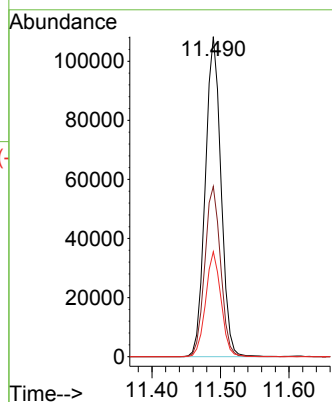
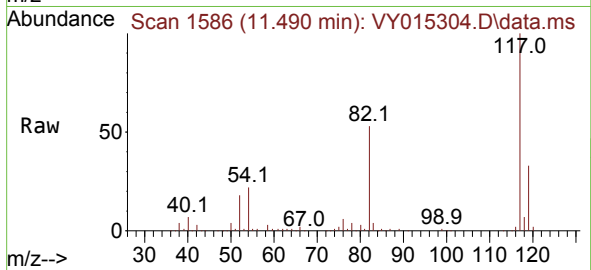




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015304.D
Acq: 24 Aug 2023 00:25

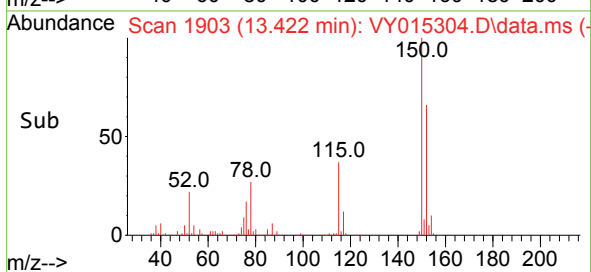
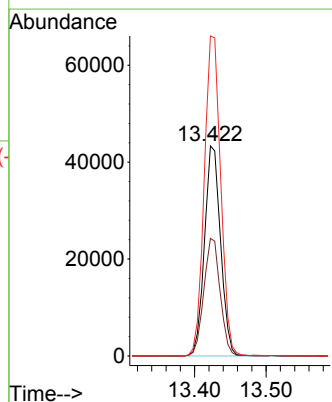
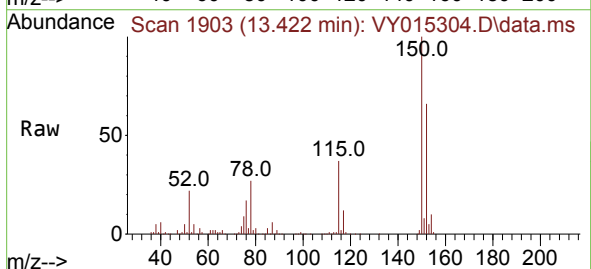
Instrument :
MSVOA_Y
ClientSampleId :

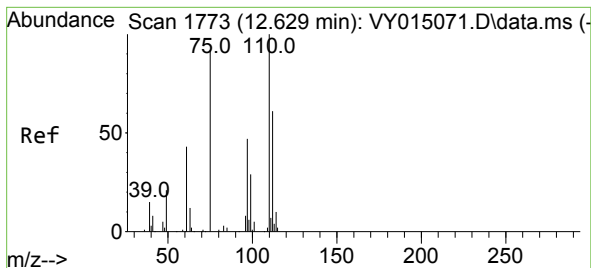
Tgt Ion:117 Resp: 172823
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 32.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015304.D
Acq: 24 Aug 2023 00:25

Tgt Ion:152 Resp: 67713
Ion Ratio Lower Upper
152 100
115 56.9 28.8 86.5
150 156.0 0.0 348.8

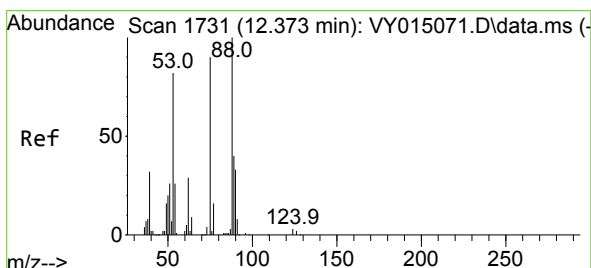
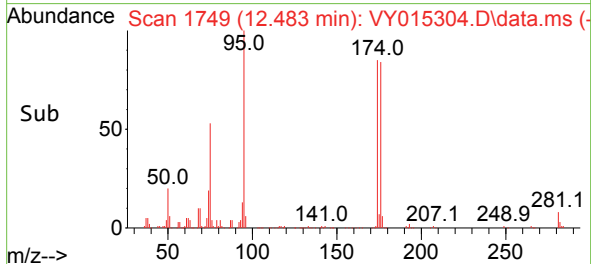
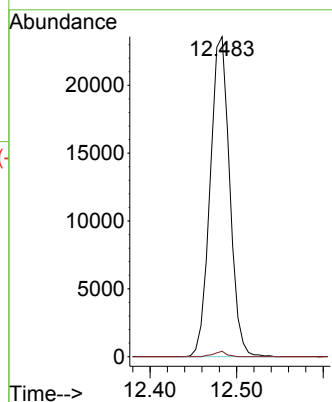
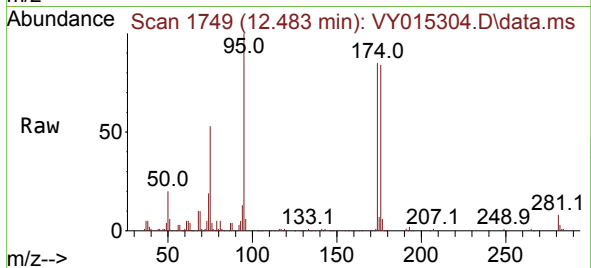




#76
1,2,3-Trichloropropane
Concen: 44.881 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015304.D
Acq: 24 Aug 2023 00:25

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 36922
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.580 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015304.D
Acq: 24 Aug 2023 00:25

Tgt Ion: 75 Resp: 36922
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

