

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010224\
 Data File : VY016893.D
 Acq On : 02 Jan 2024 13:39
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 03 00:17:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

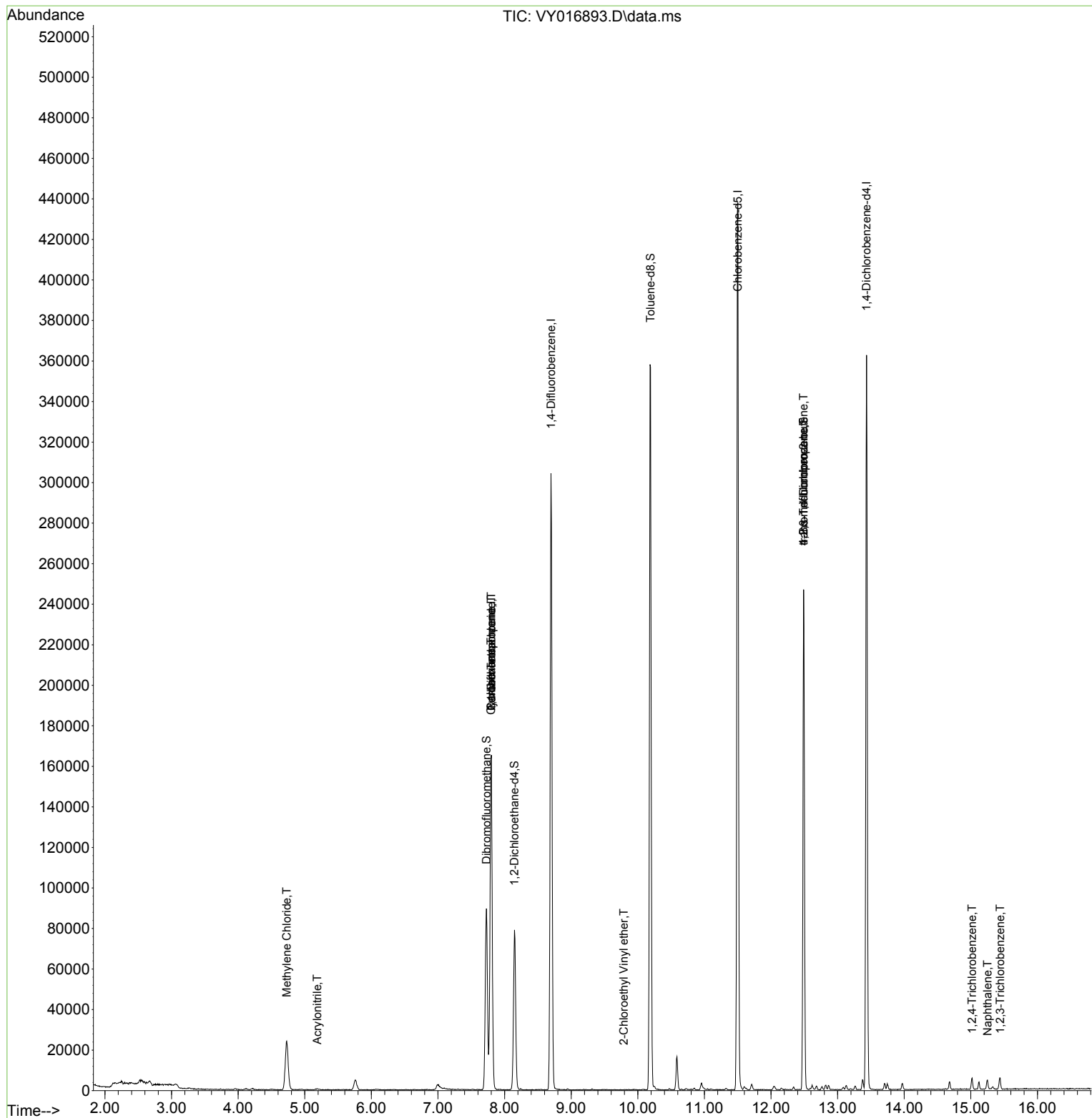
Internal Standards						
1) Pentafluorobenzene	7.801	168	126941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	257922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	243966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	91799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	59503	47.427	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.860%		
35) Dibromofluoromethane	7.728	113	64781	39.415	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	78.820%		
50) Toluene-d8	10.191	98	239967	42.399	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	84.800%		
62) 4-Bromofluorobenzene	12.489	95	75246	39.406	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	78.820%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	245	Below Cal	#	75
13) Acrolein	3.741	56	115	Below Cal	#	60
15) Acrylonitrile	5.186	53	481	1.485 ug/l	#	65
16) Acetone	3.966	43	925	Below Cal	#	41
20) Methylene Chloride	4.729	84	18413	4.861 ug/l		97
25) 2-Butanone	7.009	43	518	Below Cal	#	48
31) Cyclohexane	7.795	56	2857	1.327 ug/l	#	1
36) 1,1-Dichloropropene	7.801	75	10645	4.444 ug/l	#	50
38) Carbon Tetrachloride	7.801	117	12802	5.261 ug/l	#	16
58) 2-Chloroethyl Vinyl ether	9.789	63	33	17.479 ug/l	#	47
76) 1,2,3-Trichloropropane	12.489	75	39542	39.693 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.489	75	39542	90.134 ug/l	#	12
93) 1,2,4-Trichlorobenzene	15.019	180	1892	1.362 ug/l		95
95) Naphthalene	15.251	128	4103	2.319 ug/l		98
96) 1,2,3-Trichlorobenzene	15.440	180	1892	1.604 ug/l		91

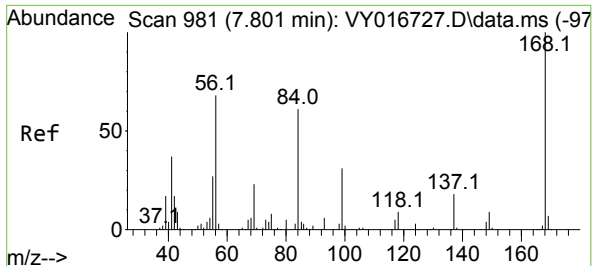
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_Y
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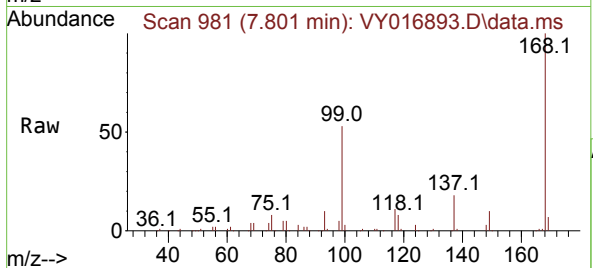
Quant Time: Jan 03 00:17:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 02 14:25:32 2024
Response via : Initial Calibration



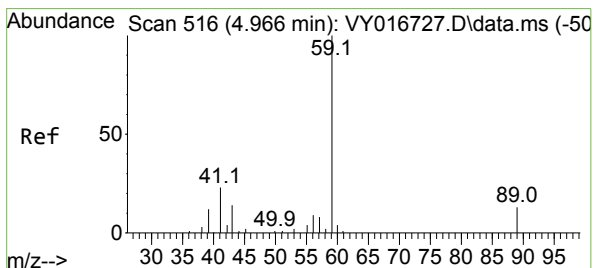
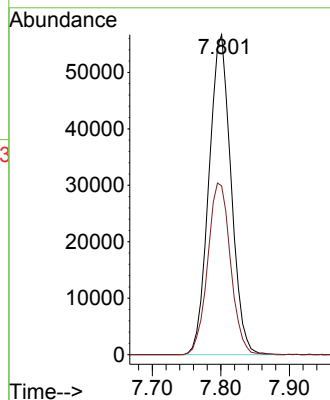
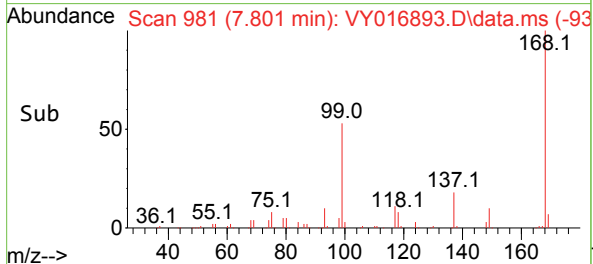


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

Instrument :
MSVOA_Y
ClientSampleId :

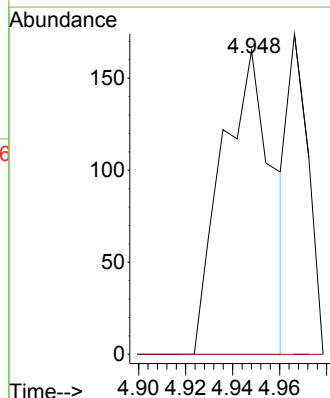
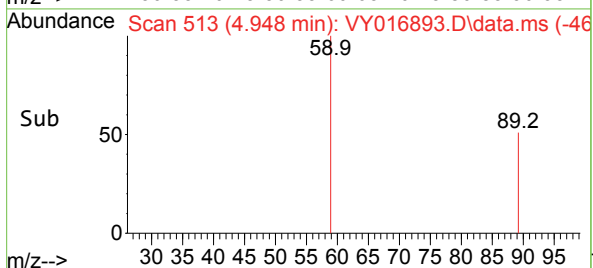
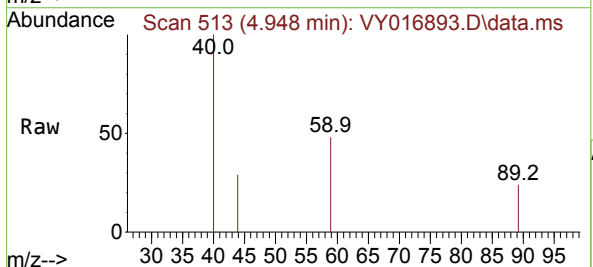


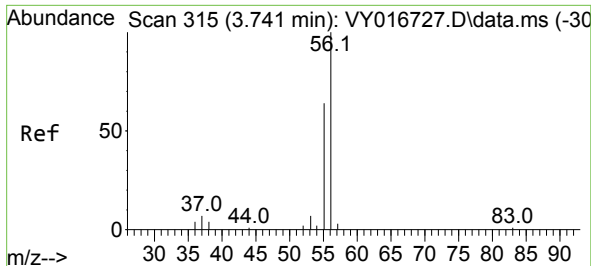
Tgt Ion:168 Resp: 126941
Ion Ratio Lower Upper
168 100
99 52.7 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

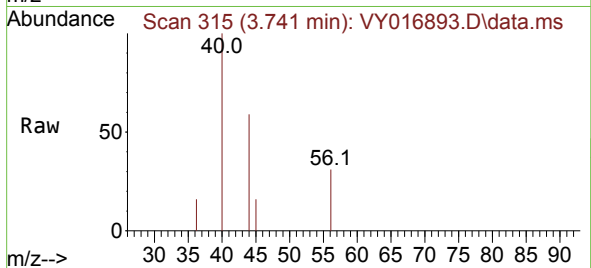
Tgt Ion: 59 Resp: 245
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



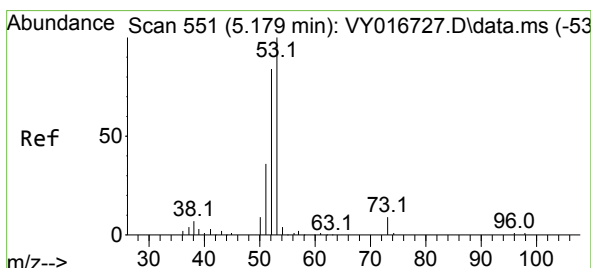
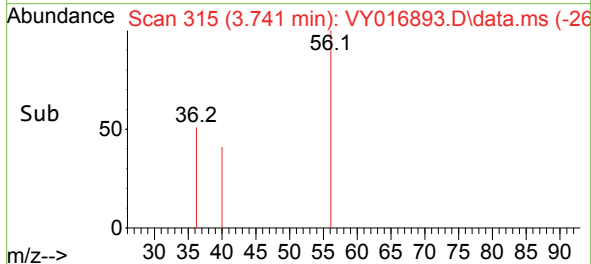
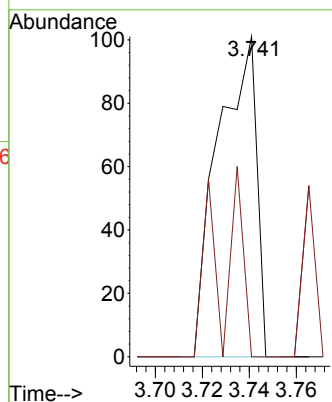


#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 315
Delta R.T. -0.000 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

Instrument :
MSVOA_Y
ClientSampleId :

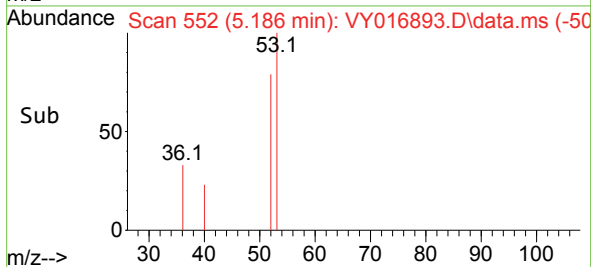
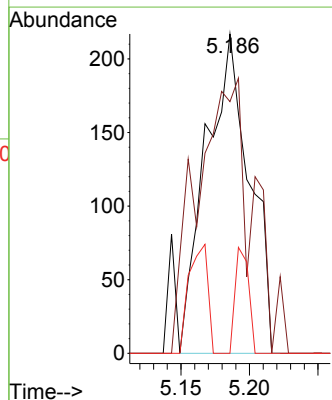
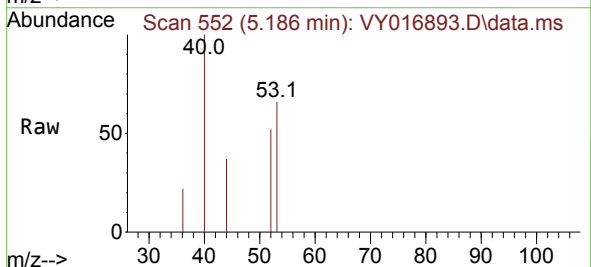


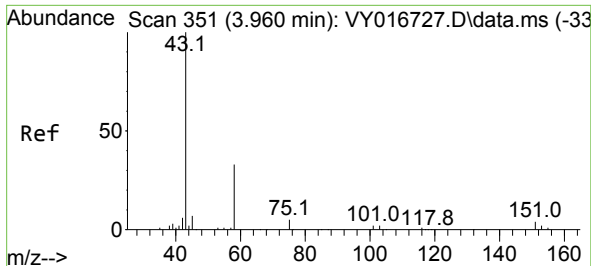
Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 36.5 55.4 83.0#



#15
Acrylonitrile
Concen: 1.485 ug/l
RT: 5.186 min Scan# 552
Delta R.T. 0.007 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

Tgt Ion: 53 Resp: 481
Ion Ratio Lower Upper
53 100
52 109.6 65.1 97.7#
51 10.2 29.0 43.4#

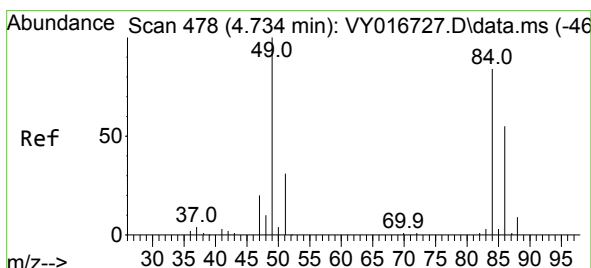
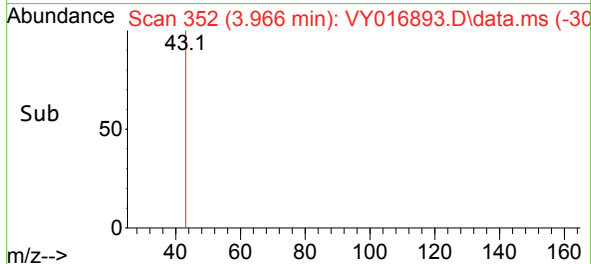
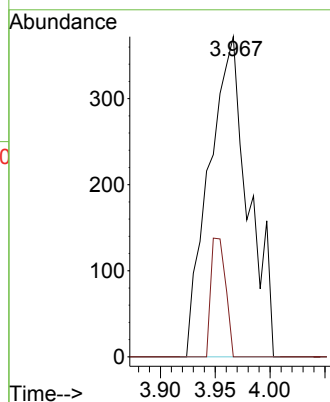
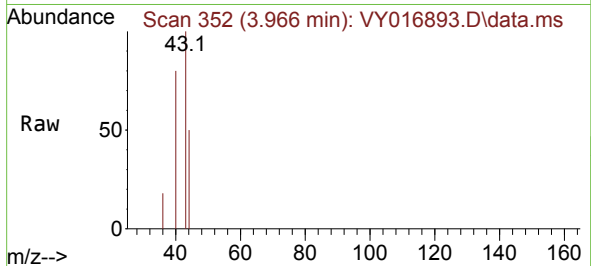




#16
Acetone
Concen: Below Cal
RT: 3.966 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

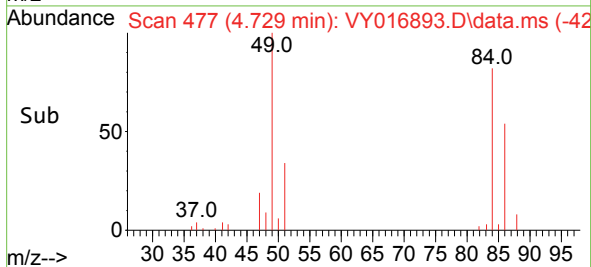
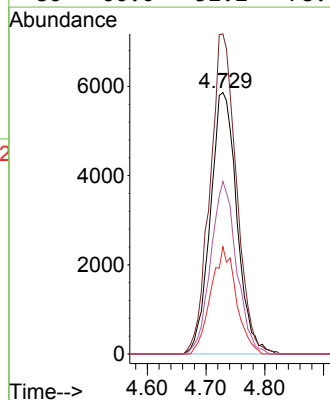
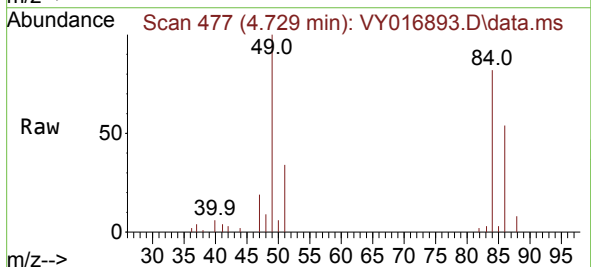
Instrument :
MSVOA_Y
ClientSampleId :

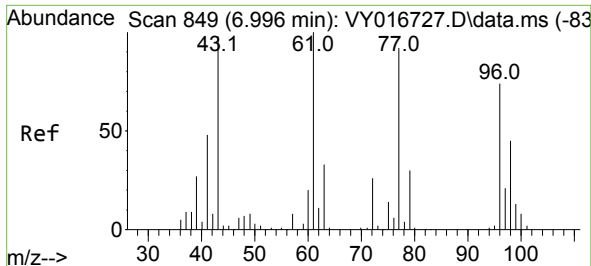
Tgt Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



#20
Methylene Chloride
Concen: 4.861 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.005 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

Tgt Ion: 84 Resp: 18413
Ion Ratio Lower Upper
84 100
49 122.4 95.2 142.8
51 41.0 29.9 44.9
86 66.0 52.2 78.4





#25

2-Butanone

Concen: Below Cal

RT: 7.009 min Scan# 81

Delta R.T. 0.013 min

Lab File: VY016893.D

Acq: 02 Jan 2024 13:39

Instrument :

MSVOA_Y

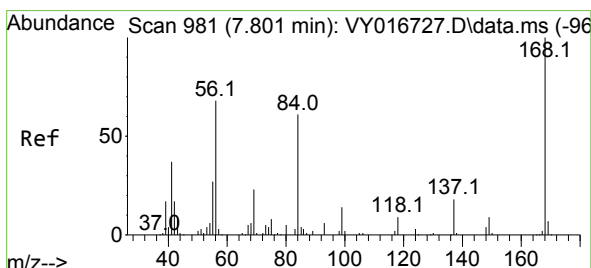
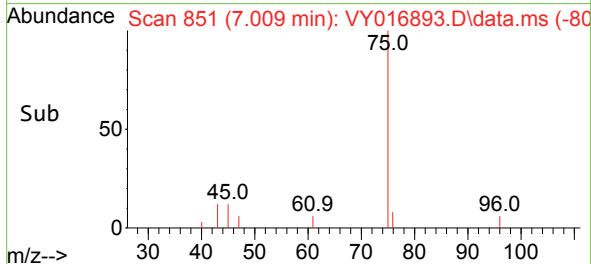
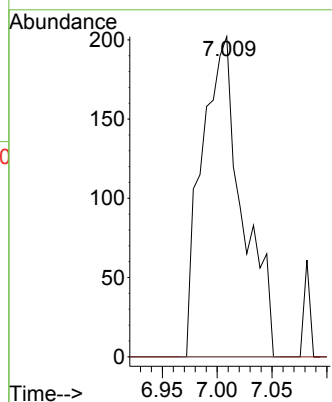
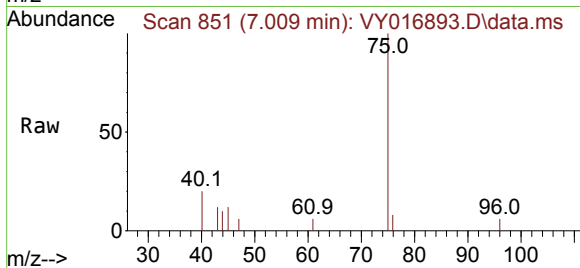
ClientSampleId :

Tgt Ion: 43 Resp: 518

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.327 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.006 min

Lab File: VY016893.D

Acq: 02 Jan 2024 13:39

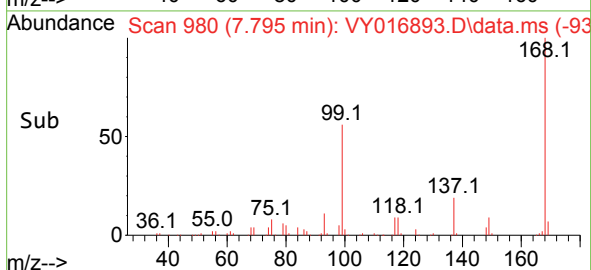
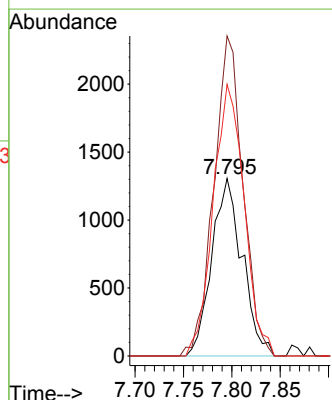
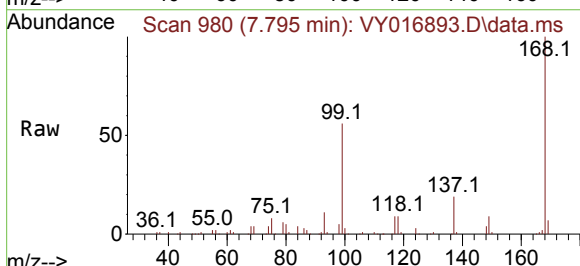
Tgt Ion: 56 Resp: 2857

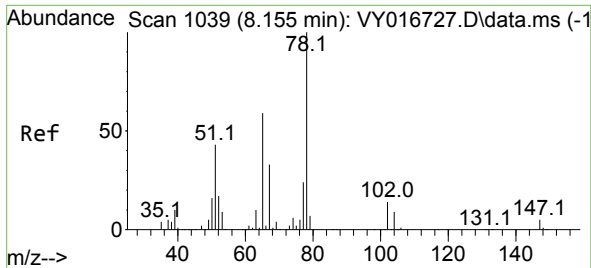
Ion Ratio Lower Upper

56 100

69 180.3 27.0 40.6#

84 153.0 71.8 107.6#

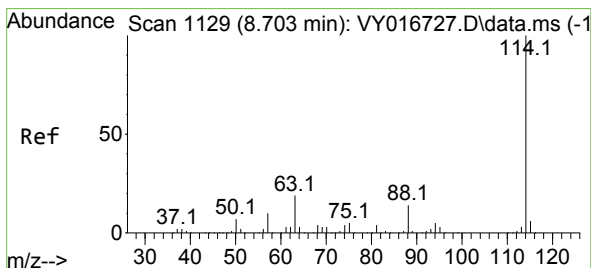
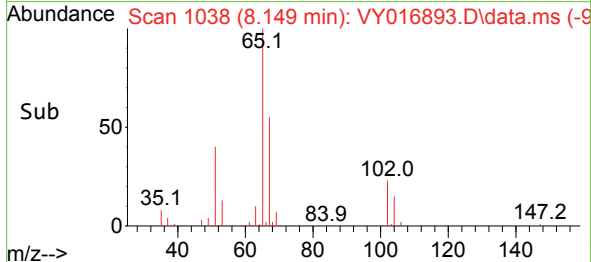
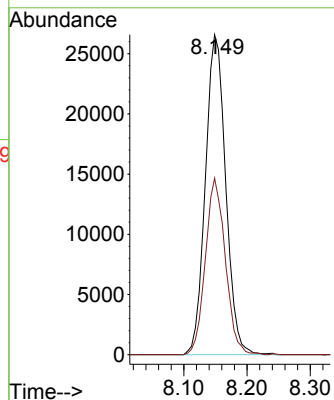
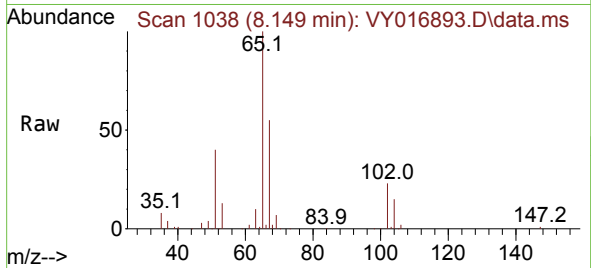




#33
 1,2-Dichloroethane-d4
 Concen: 47.427 ug/l
 RT: 8.149 min Scan# 110
 Delta R.T. -0.006 min
 Lab File: VY016893.D
 Acq: 02 Jan 2024 13:39

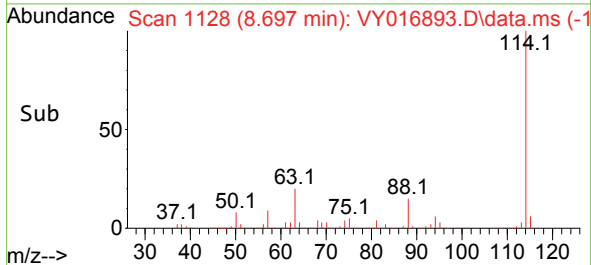
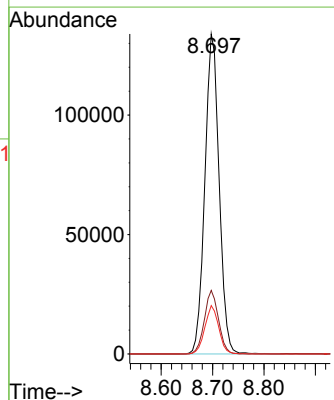
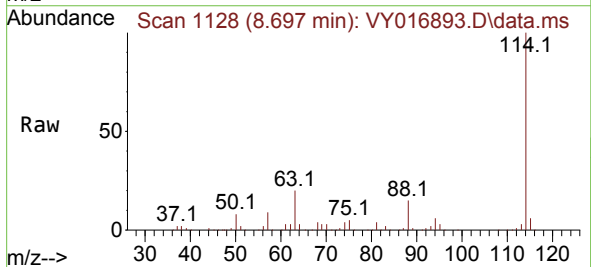
Instrument :
 MSVOA_Y
 ClientSampleId :

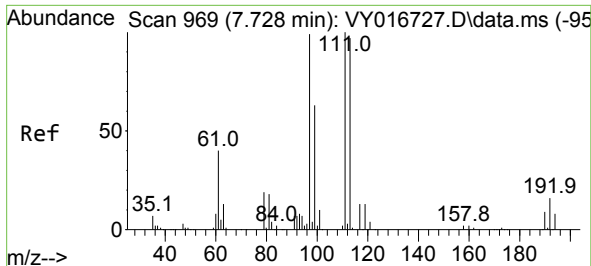
Tgt Ion: 65 Resp: 59503
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.006 min
 Lab File: VY016893.D
 Acq: 02 Jan 2024 13:39

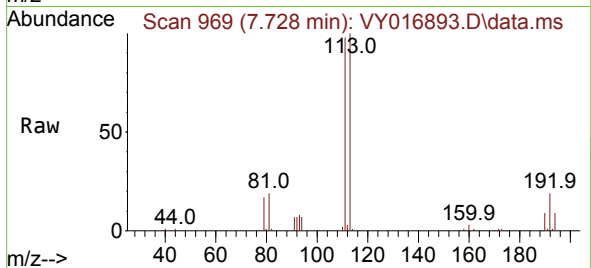
Tgt Ion: 114 Resp: 257922
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 37.4
 88 15.1 0.0 29.0



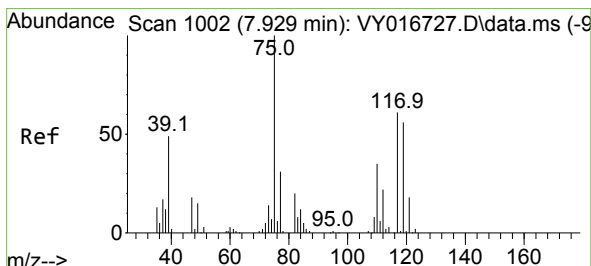
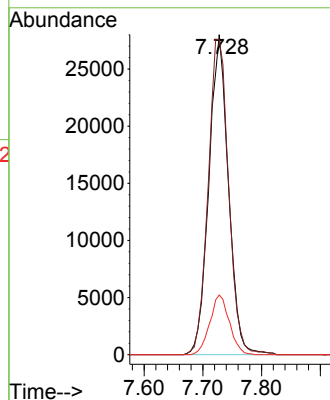
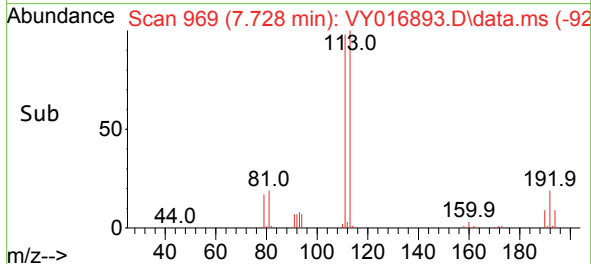


#35
Dibromofluoromethane
Concen: 39.415 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

Instrument :
MSVOA_Y
ClientSampleId :

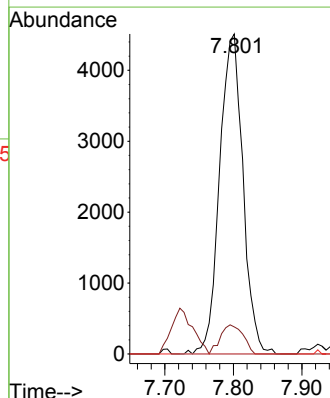
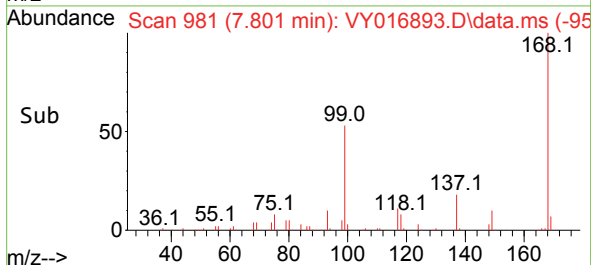
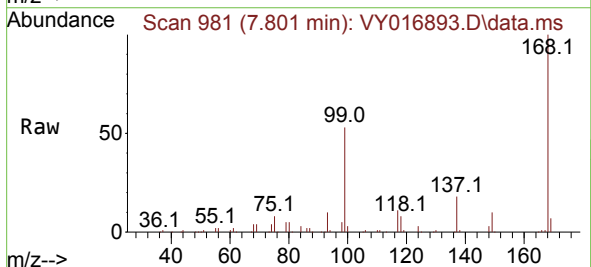


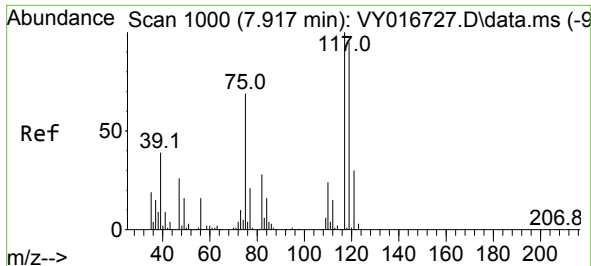
Tgt Ion:113 Resp: 64781
Ion Ratio Lower Upper
113 100
111 103.4 83.8 125.6
192 18.7 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.444 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

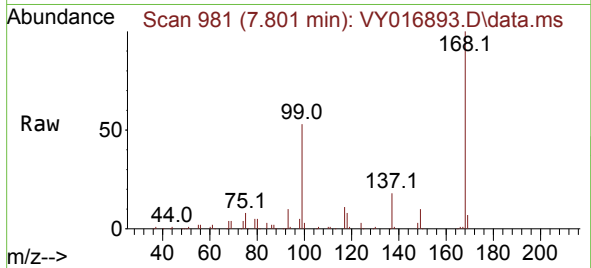
Tgt Ion: 75 Resp: 10645
Ion Ratio Lower Upper
75 100
110 8.8 17.4 52.3#
77 0.0 24.7 37.1#



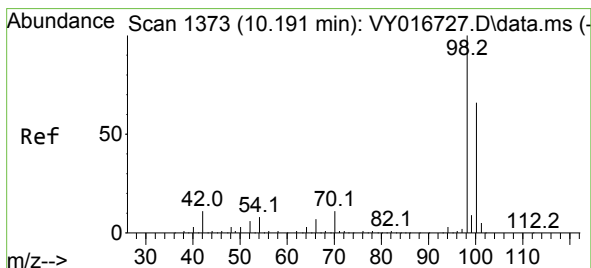
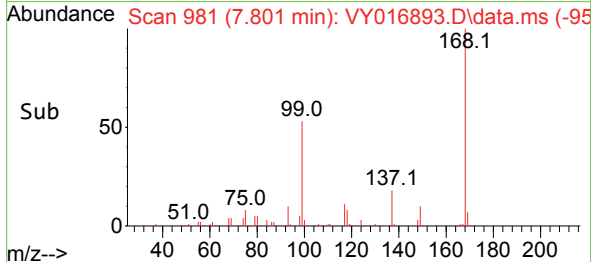
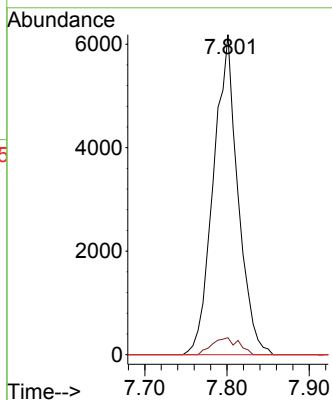


#38
Carbon Tetrachloride
Concen: 5.261 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

Instrument :
MSVOA_Y
ClientSampleId :

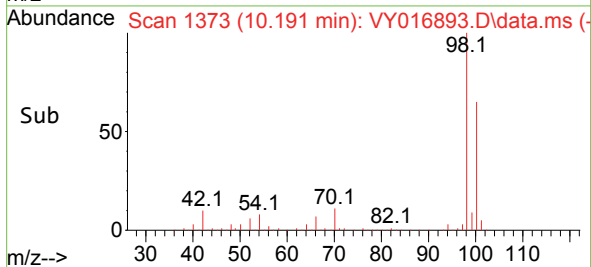
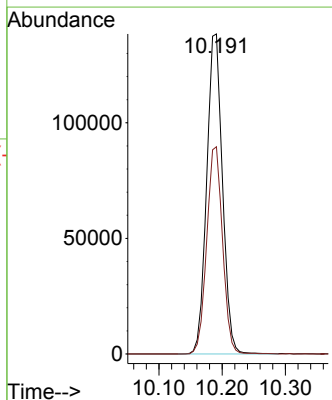
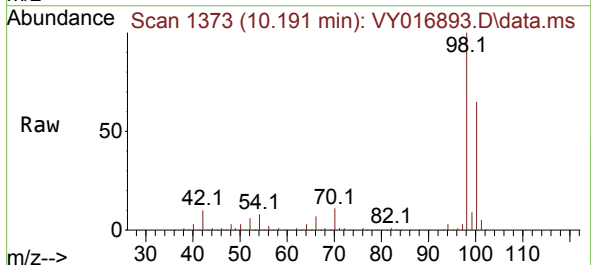


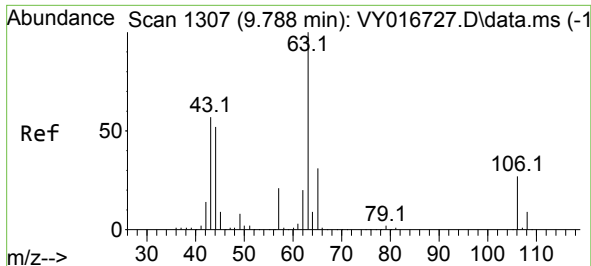
Tgt Ion:117 Resp: 12802
Ion Ratio Lower Upper
117 100
119 5.3 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 42.399 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

Tgt Ion: 98 Resp: 239967
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

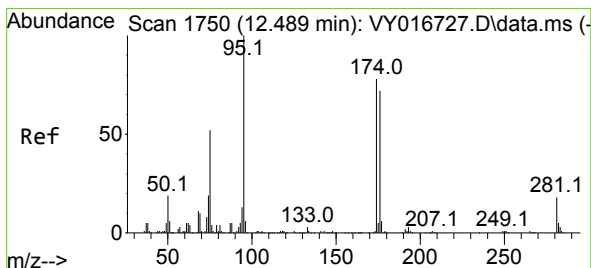
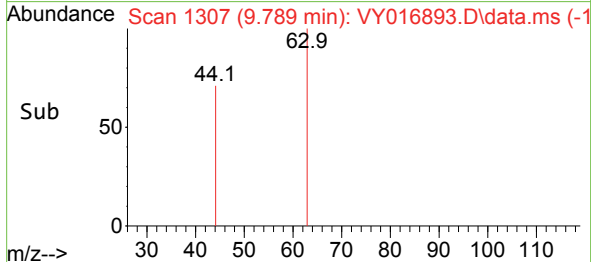
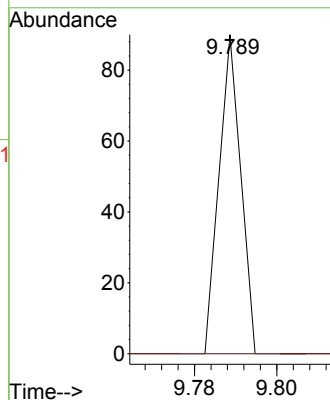
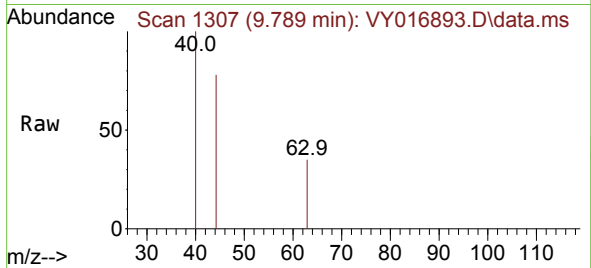




#58
2-Chloroethyl Vinyl ether
Concen: 17.479 ug/l
RT: 9.789 min Scan# 1307
Delta R.T. 0.001 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

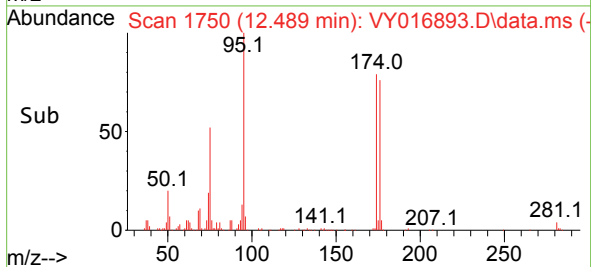
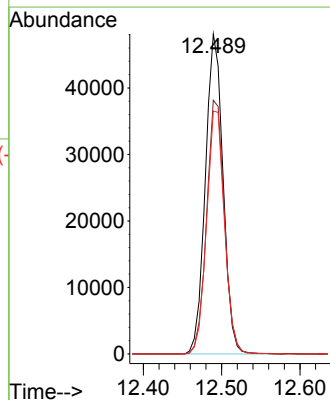
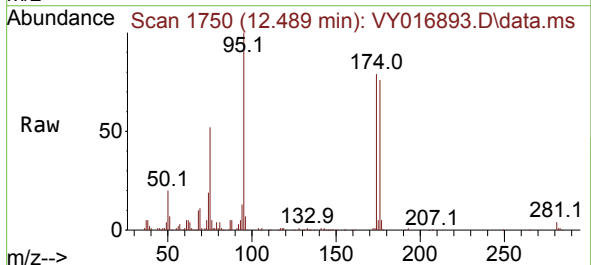
Instrument :
MSVOA_Y
ClientSampleId :

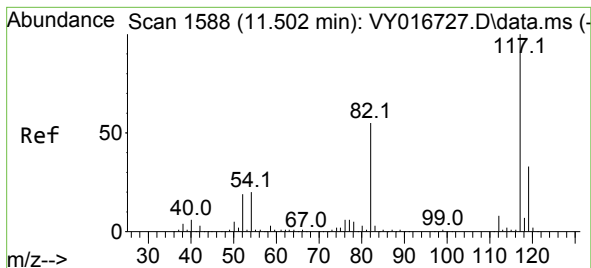
Tgt Ion: 63 Resp: 33
Ion Ratio Lower Upper
63 100
106 0.0 22.4 33.6#



#62
4-Bromofluorobenzene
Concen: 39.406 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

Tgt Ion: 95 Resp: 75246
Ion Ratio Lower Upper
95 100
174 80.1 0.0 160.0
176 76.8 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016893.D

Acq: 02 Jan 2024 13:39

Instrument :

MSVOA_Y

ClientSampleId :

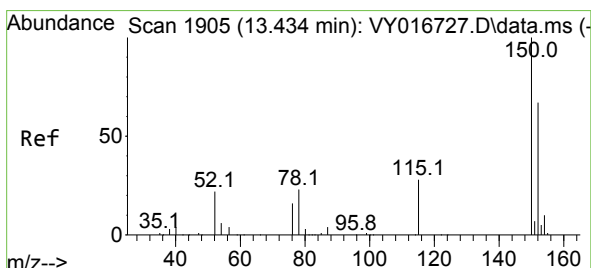
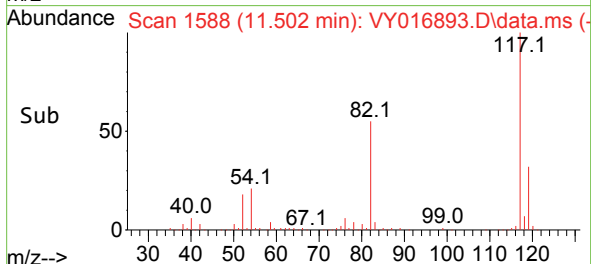
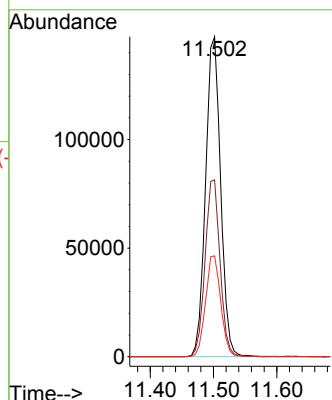
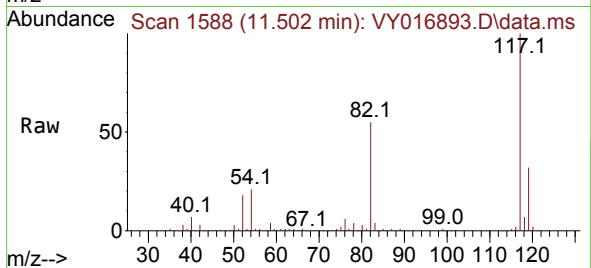
Tgt Ion:117 Resp: 243966

Ion Ratio Lower Upper

117 100

82 55.2 43.8 65.8

119 31.5 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY016893.D

Acq: 02 Jan 2024 13:39

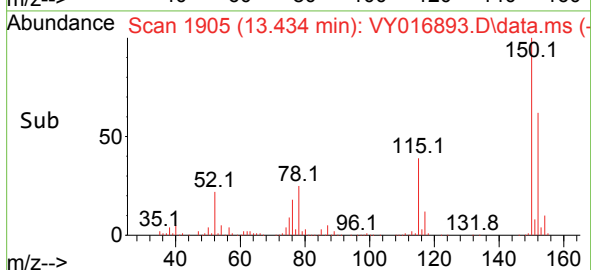
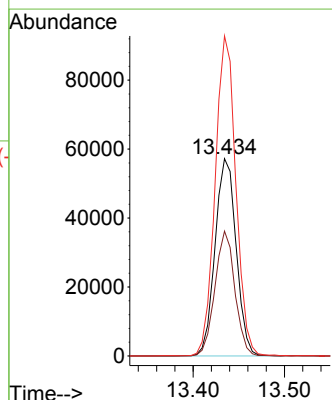
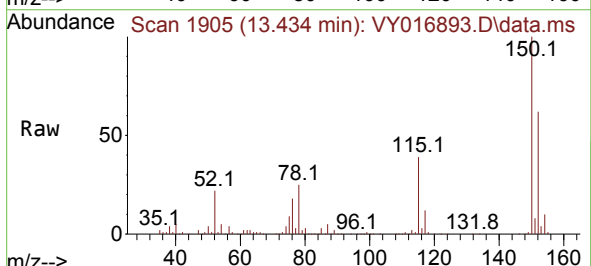
Tgt Ion:152 Resp: 91799

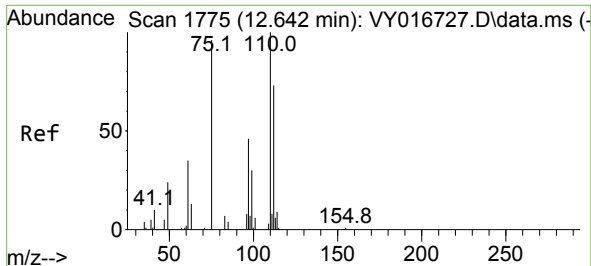
Ion Ratio Lower Upper

152 100

115 59.9 30.0 90.0

150 158.7 0.0 344.6

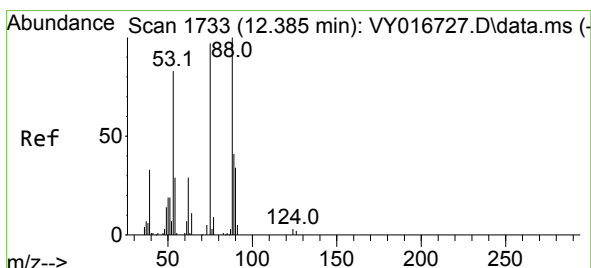
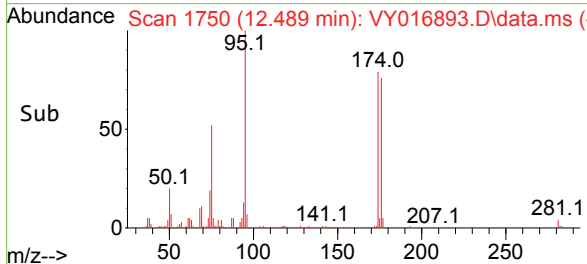
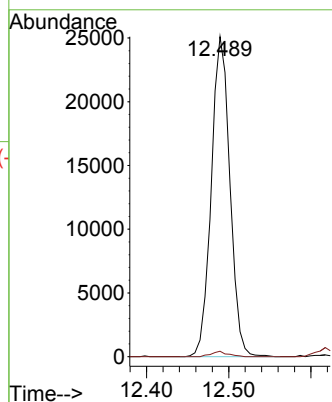
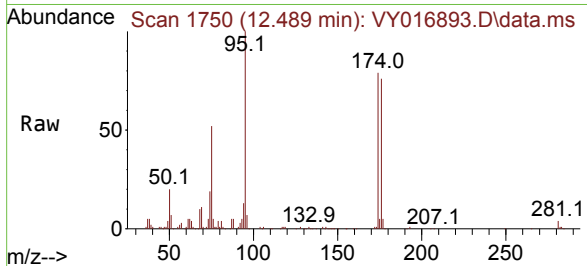




#76
1,2,3-Trichloropropane
Concen: 39.693 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.153 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

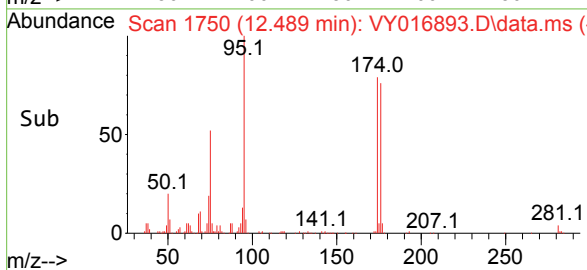
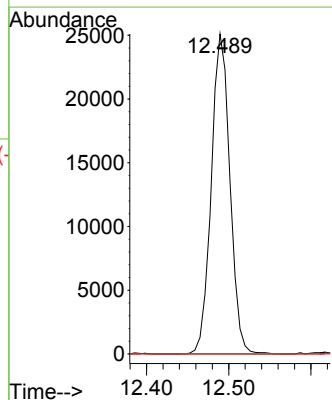
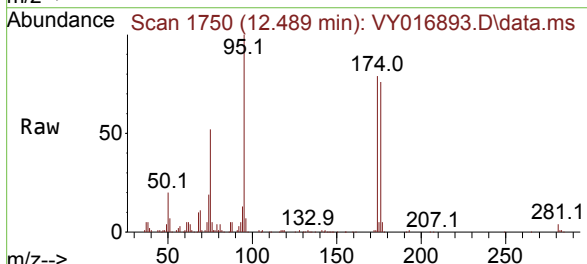
Instrument :
MSVOA_Y
ClientSampleId :

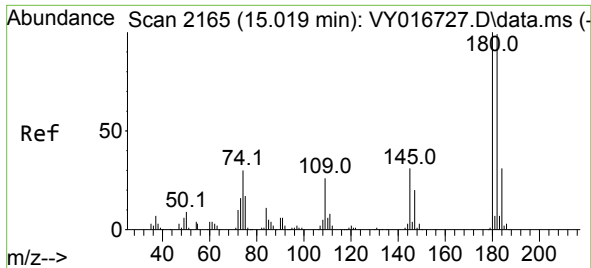
Tgt Ion: 75 Resp: 39542
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.134 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

Tgt Ion: 75 Resp: 39542
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

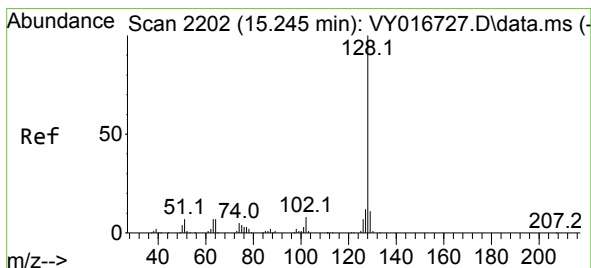
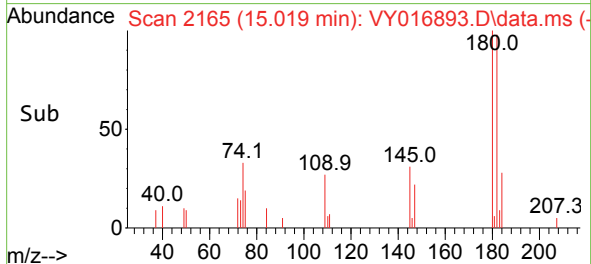
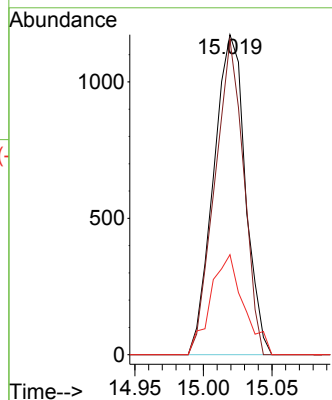
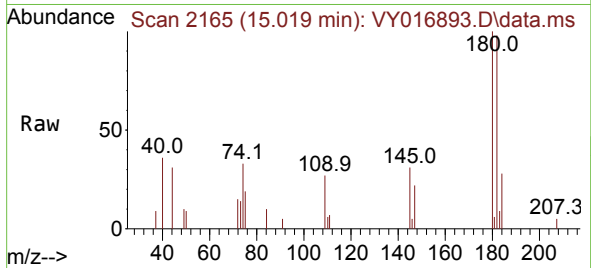




#93
1,2,4-Trichlorobenzene
Concen: 1.362 ug/l
RT: 15.019 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

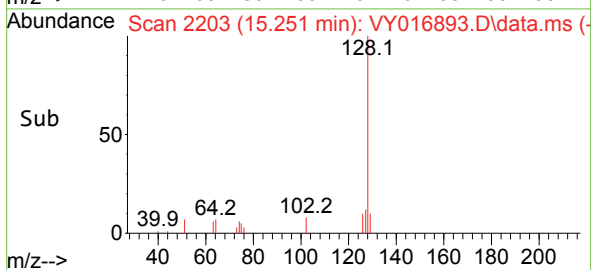
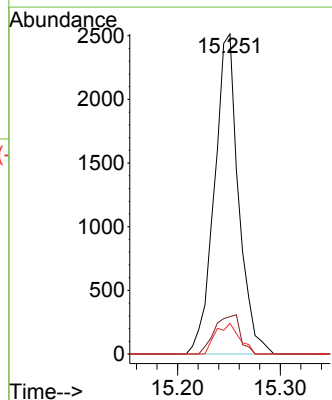
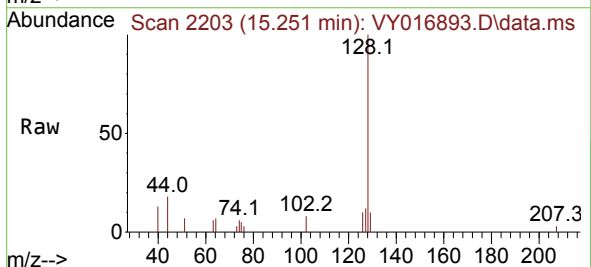
Instrument :
MSVOA_Y
ClientSampleId :

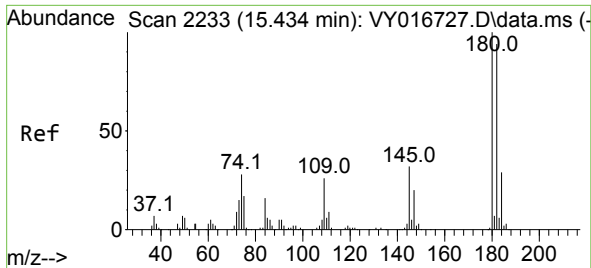
Tgt Ion:180 Resp: 1892
Ion Ratio Lower Upper
180 100
182 89.2 47.9 143.7
145 32.6 15.9 47.7



#95
Naphthalene
Concen: 2.319 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY016893.D
Acq: 02 Jan 2024 13:39

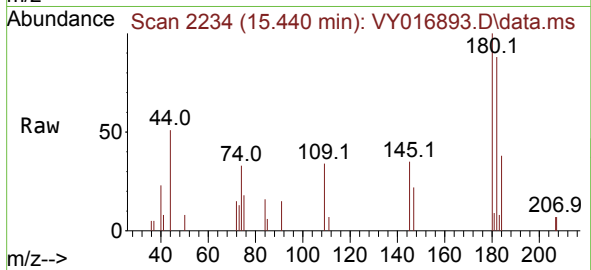
Tgt Ion:128 Resp: 4103
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 9.4 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.604 ug/l
 RT: 15.440 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY016893.D
 Acq: 02 Jan 2024 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	1892
Ion	Ratio	Lower	Upper
180	100		
182	103.3	46.3	138.8
145	32.3	16.1	48.2

