

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015761.D
 Acq On : 29 Sep 2023 18:16
 Operator : SY/MD
 Sample : 04613-04
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

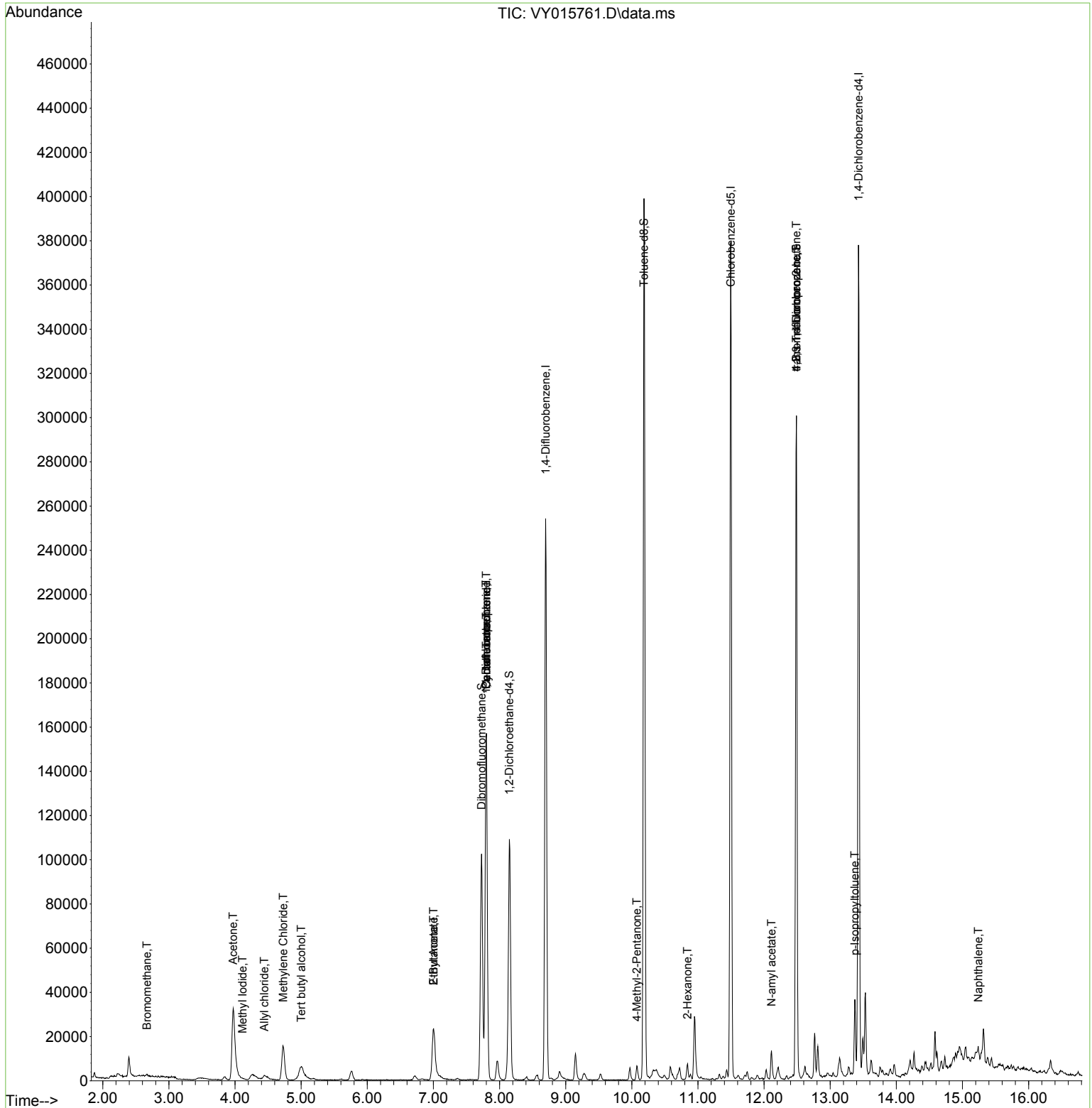
Quant Time: Sep 30 01:15:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

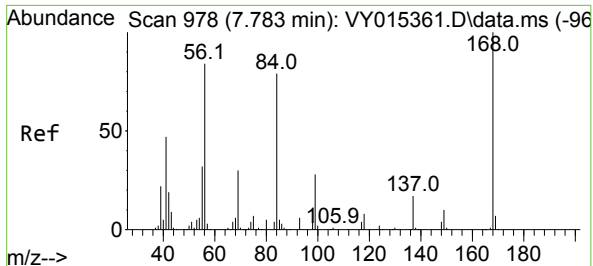
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	123584	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	219963	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	208308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	83958	61.744	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.480%			
35) Dibromofluoromethane	7.728	113	71796	54.533	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.060%			
50) Toluene-d8	10.185	98	261995	58.691	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 117.380%			
62) 4-Bromofluorobenzene	12.489	95	89830	51.278	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.560%			
Target Compounds					Qvalue	
5) Bromomethane	2.668	94	303	2.803	ug/l #	59
10) Methyl Iodide	4.113	142	290	2.918	ug/l #	63
11) Tert butyl alcohol	5.003	59	18691	3.047	ug/l #	89
14) Allyl chloride	4.442	41	4714	2.371	ug/l #	31
16) Acetone	3.972	43	72381	99.467	ug/l	94
20) Methylene Chloride	4.728	84	11792	2.834	ug/l	86
25) 2-Butanone	7.002	43	24005	23.338	ug/l	99
31) Cyclohexane	7.801	56	2586	1.373	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	9321	4.788	ug/l #	51
37) Ethyl Acetate	7.002	43	24005	12.363	ug/l #	71
38) Carbon Tetrachloride	7.801	117	11907	5.635	ug/l #	18
51) 4-Methyl-2-Pentanone	10.075	43	4490	2.184	ug/l	94
59) 2-Hexanone	10.843	43	4880	3.094	ug/l	98
74) N-amyl acetate	12.111	43	8260	3.052	ug/l #	53
76) 1,2,3-Trichloropropane	12.489	75	48129	31.425	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	48129	70.765	ug/l #	10
86) p-Isopropyltoluene	13.373	119	17588	2.664	ug/l	99
95) Naphthalene	15.239	128	6144	1.156	ug/l	97

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

Quant Time: Sep 30 01:15:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration

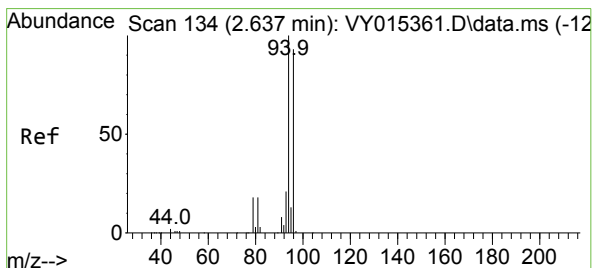
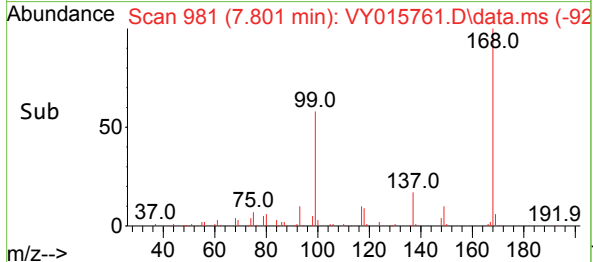
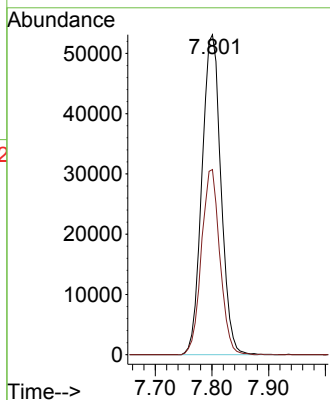
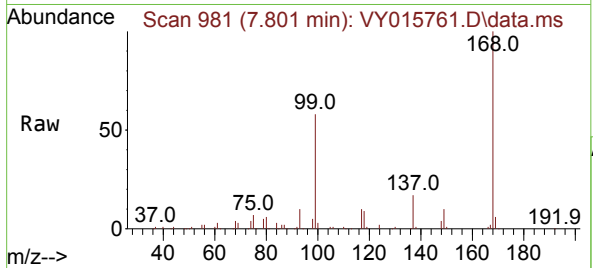




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015761.D
Acq: 29 Sep 2023 18:16

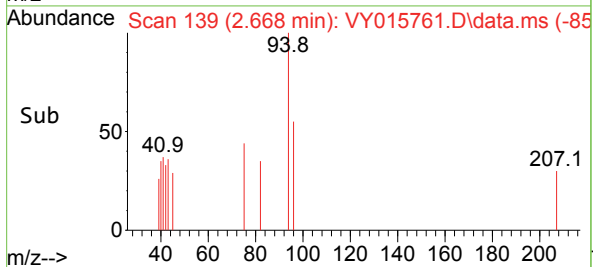
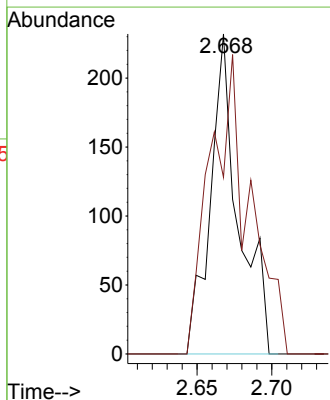
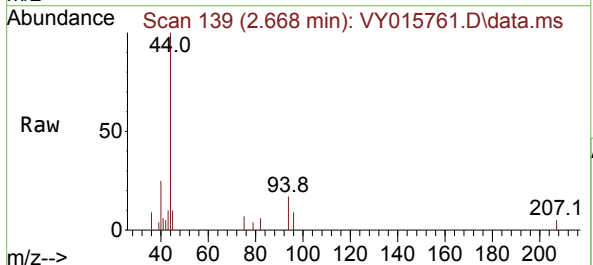
Instrument :
MSVOA_Y
ClientSampleId :

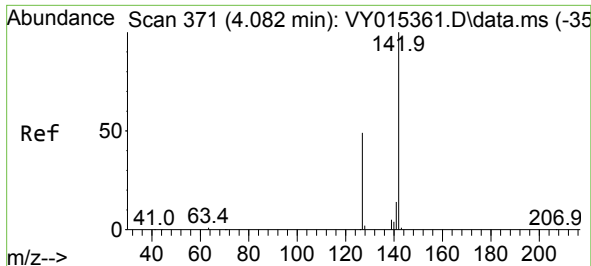
Tgt Ion:168 Resp: 123584
Ion Ratio Lower Upper
168 100
99 57.9 43.4 65.0



#5
Bromomethane
Concen: 2.803 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.031 min
Lab File: VY015761.D
Acq: 29 Sep 2023 18:16

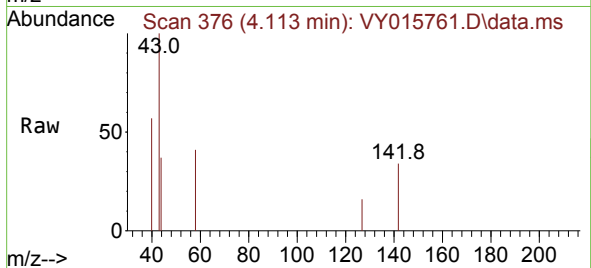
Tgt Ion: 94 Resp: 303
Ion Ratio Lower Upper
94 100
96 55.2 75.8 113.6#



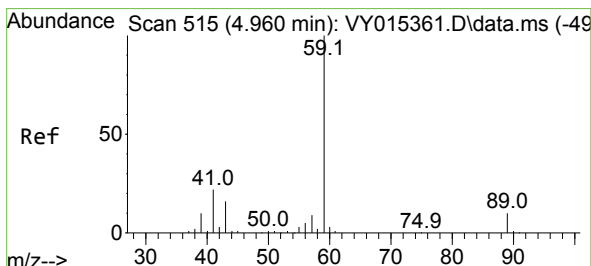
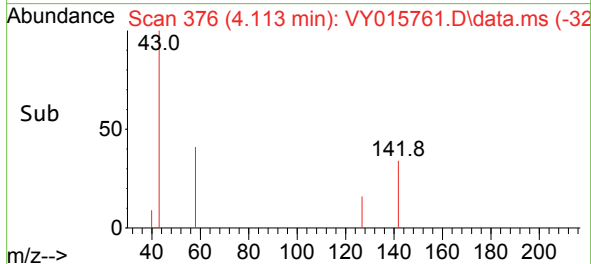
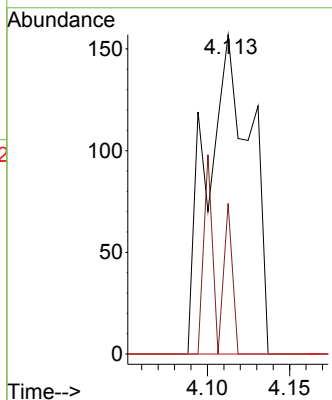


#10
Methyl Iodide
Concen: 2.918 ug/l
RT: 4.113 min Scan# 31
Delta R.T. 0.031 min
Lab File: VY015761.D
Acq: 29 Sep 2023 18:16

Instrument :
MSVOA_Y
ClientSampleId :

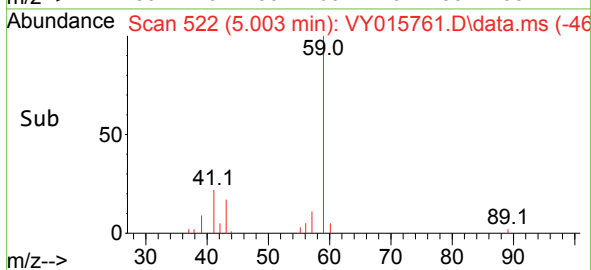
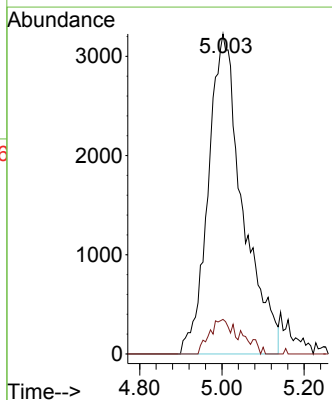
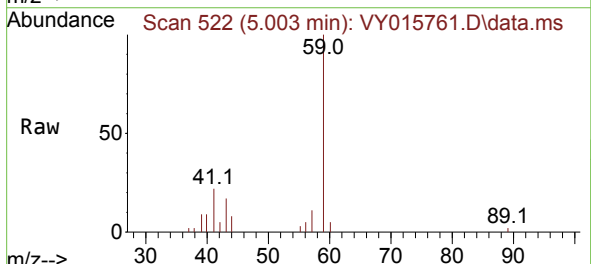


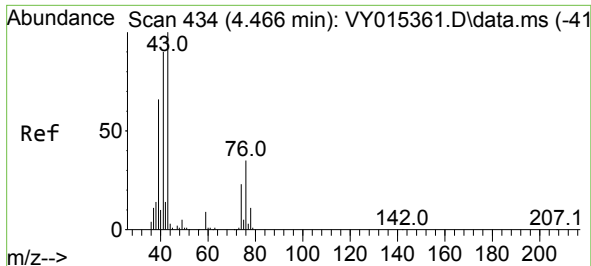
Tgt Ion:142 Resp: 290
Ion Ratio Lower Upper
142 100
127 21.7 37.6 56.4#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: 3.047 ug/l
RT: 5.003 min Scan# 522
Delta R.T. 0.049 min
Lab File: VY015761.D
Acq: 29 Sep 2023 18:16

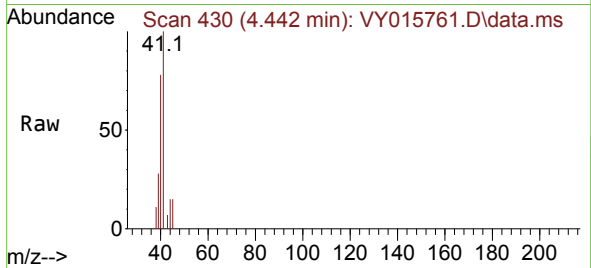
Tgt Ion: 59 Resp: 18691
Ion Ratio Lower Upper
59 100
57 7.3 3.0 4.4#



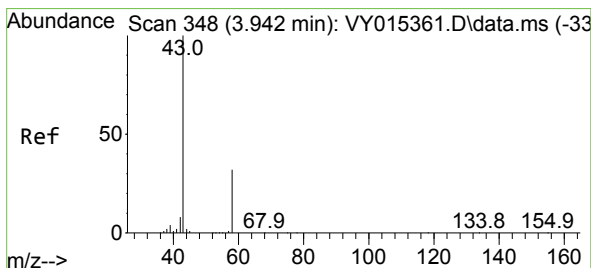
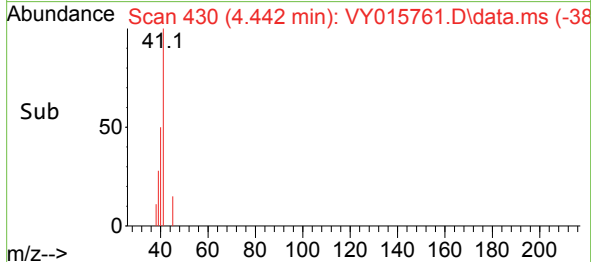
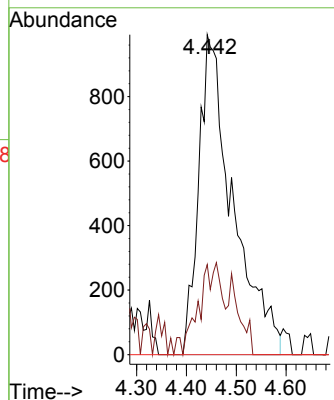


#14
 Allyl chloride
 Concen: 2.371 ug/l
 RT: 4.442 min Scan# 41
 Delta R.T. -0.030 min
 Lab File: VY015761.D
 Acq: 29 Sep 2023 18:16

Instrument :
 MSVOA_Y
 ClientSampleId :

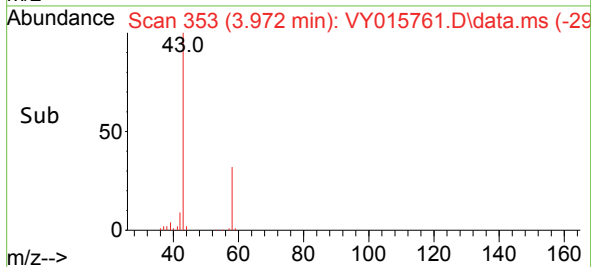
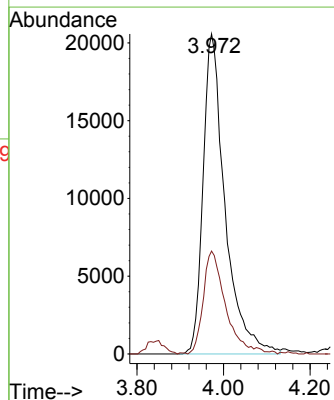
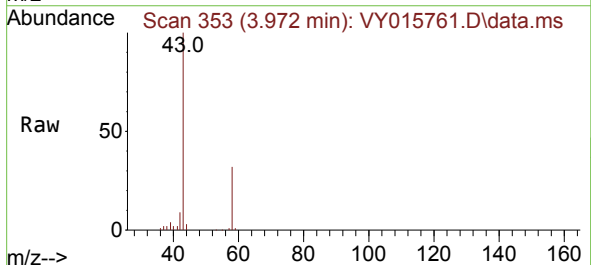


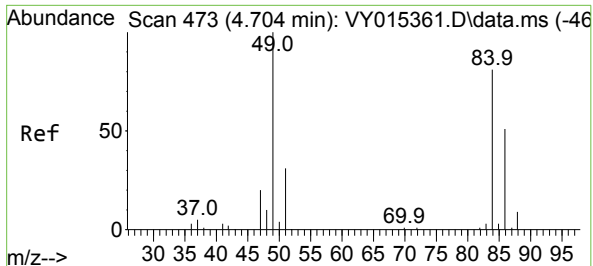
Tgt Ion: 41 Resp: 4714
 Ion Ratio Lower Upper
 41 100
 39 10.6 58.0 87.0#
 76 0.0 27.4 41.2#



#16
 Acetone
 Concen: 99.467 ug/l
 RT: 3.972 min Scan# 353
 Delta R.T. 0.030 min
 Lab File: VY015761.D
 Acq: 29 Sep 2023 18:16

Tgt Ion: 43 Resp: 72381
 Ion Ratio Lower Upper
 43 100
 58 31.8 22.7 34.1





#20

Methylene Chloride

Concen: 2.834 ug/l

RT: 4.728 min Scan# 41

Delta R.T. 0.024 min

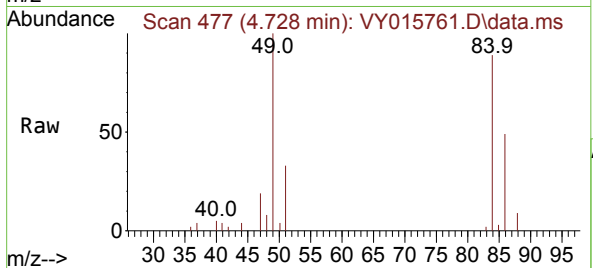
Lab File: VY015761.D

Acq: 29 Sep 2023 18:16

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 11792

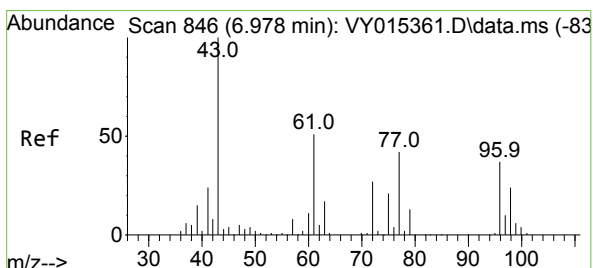
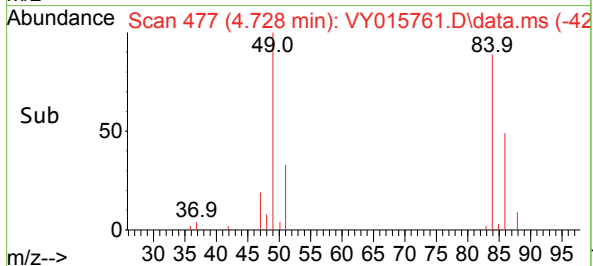
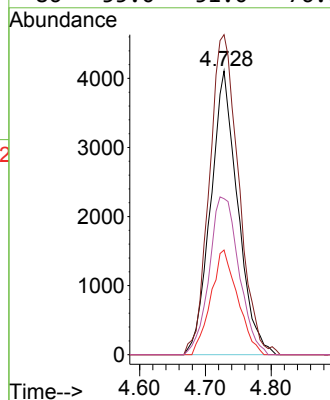
Ion Ratio Lower Upper

84 100

49 112.8 106.9 160.3

51 36.9 33.2 49.8

86 55.0 51.0 76.6



#25

2-Butanone

Concen: 23.338 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.024 min

Lab File: VY015761.D

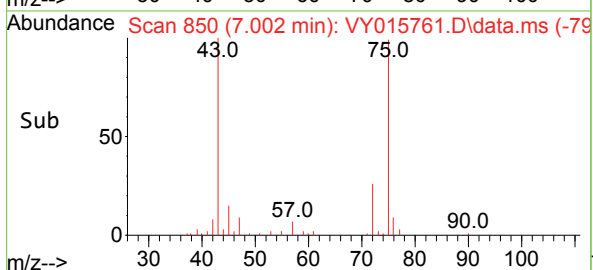
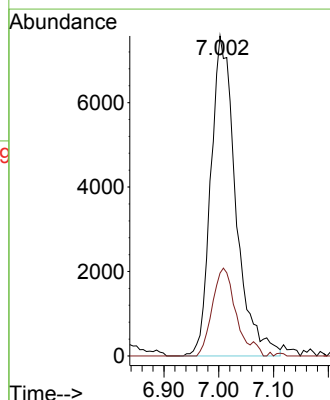
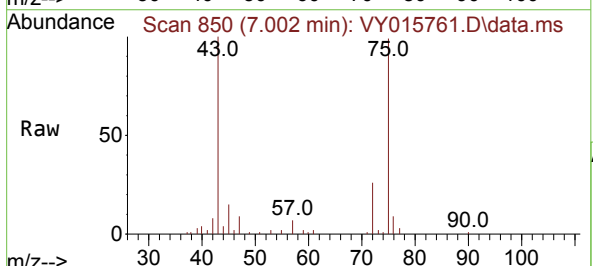
Acq: 29 Sep 2023 18:16

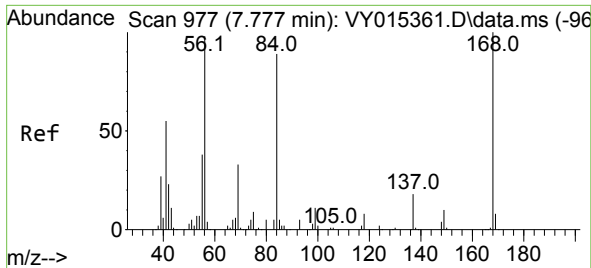
Tgt Ion: 43 Resp: 24005

Ion Ratio Lower Upper

43 100

72 25.9 20.5 30.7

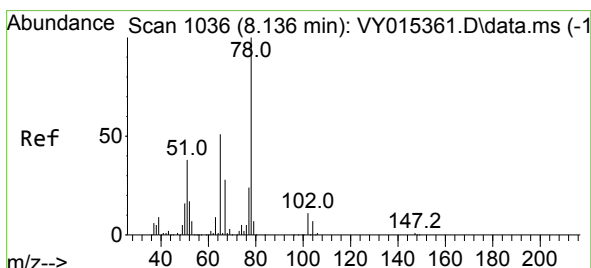
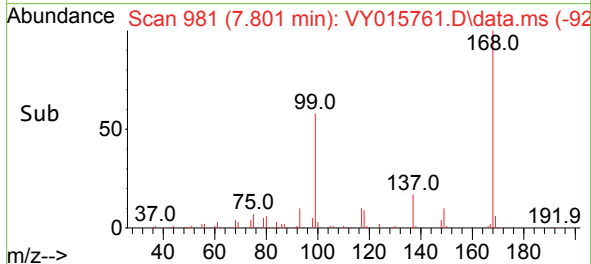
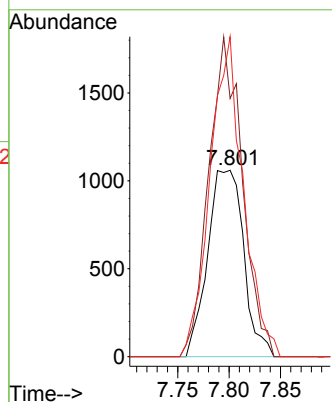
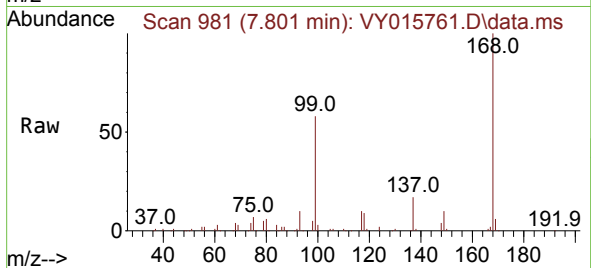




#31
Cyclohexane
Concen: 1.373 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY015761.D
Acq: 29 Sep 2023 18:16

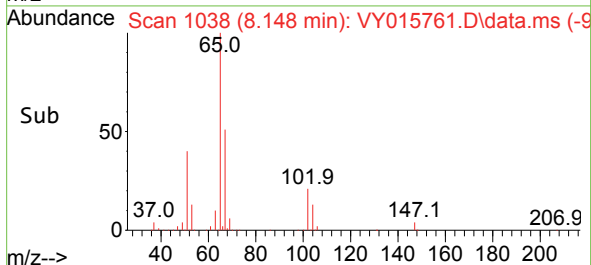
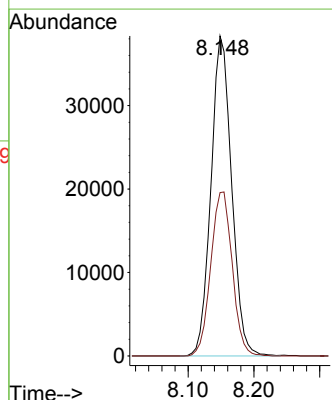
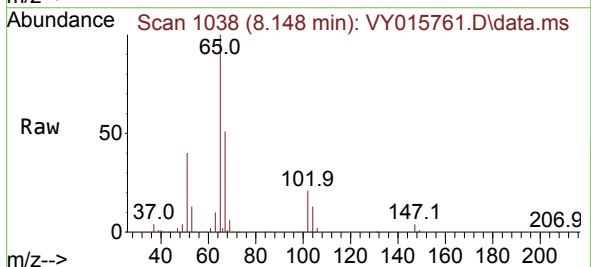
Instrument :
MSVOA_Y
ClientSampleId :

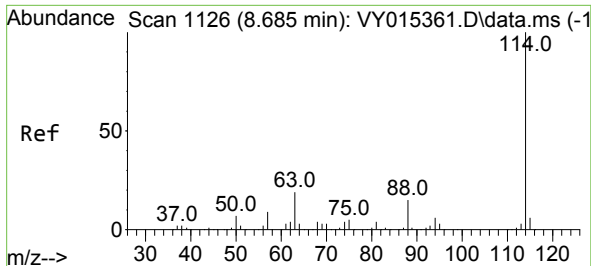
Tgt Ion: 56 Resp: 2586
Ion Ratio Lower Upper
56 100
69 138.6 27.8 41.6#
84 179.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 61.744 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VY015761.D
Acq: 29 Sep 2023 18:16

Tgt Ion: 65 Resp: 83958
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.8

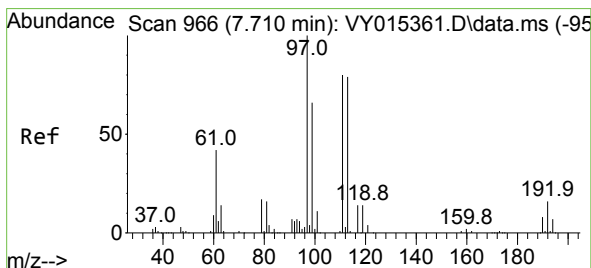
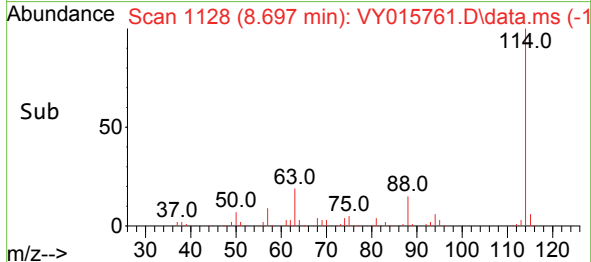
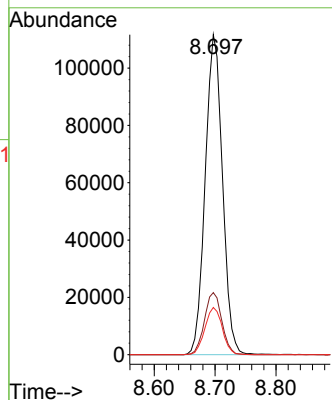
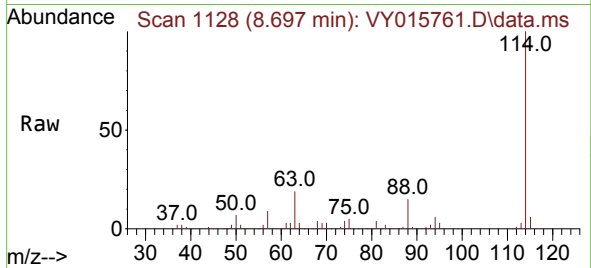




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VY015761.D
Acq: 29 Sep 2023 18:16

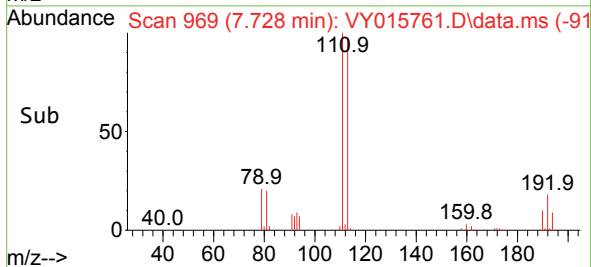
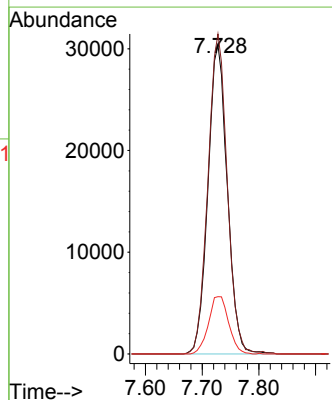
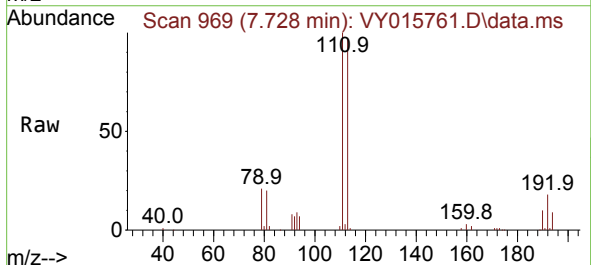
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MSVOA_Y
ClientSampleId :

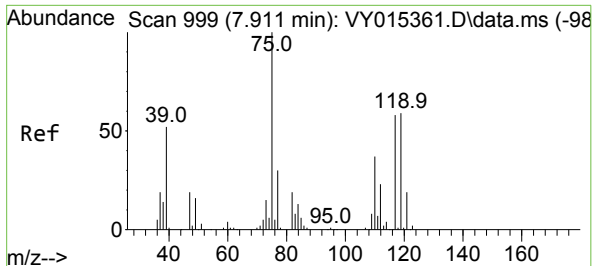
Tgt Ion:114 Resp: 219963
Ion Ratio Lower Upper
114 100
63 19.4 0.0 42.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.533 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY015761.D
Acq: 29 Sep 2023 18:16

Tgt Ion:113 Resp: 71796
Ion Ratio Lower Upper
113 100
111 103.4 81.3 121.9
192 19.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.788 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.116 min

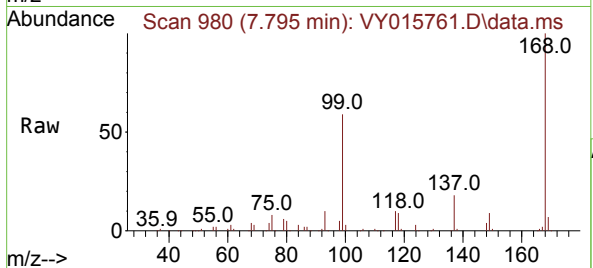
Lab File: VY015761.D

Acq: 29 Sep 2023 18:16

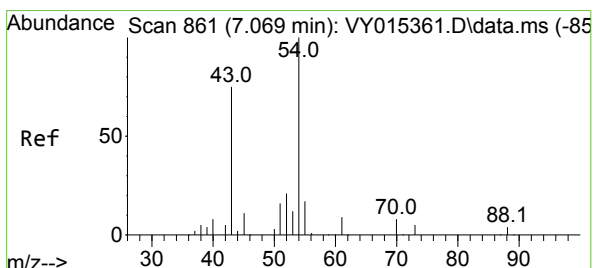
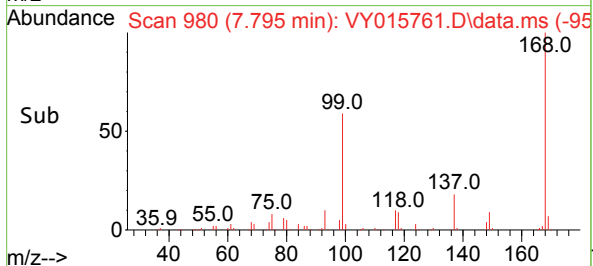
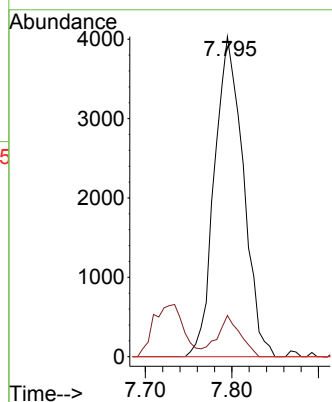
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 9321
Ion Ratio	Lower Upper
75 100	
110 10.3	17.8 53.5#
77 0.0	24.4 36.6#



#37

Ethyl Acetate

Concen: 12.363 ug/l

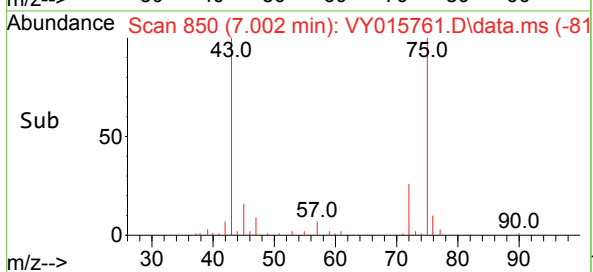
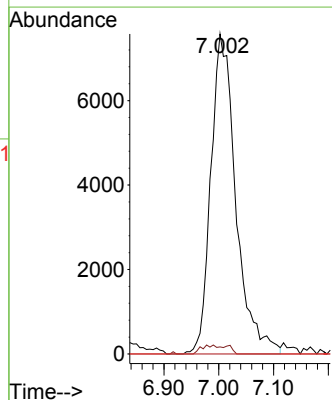
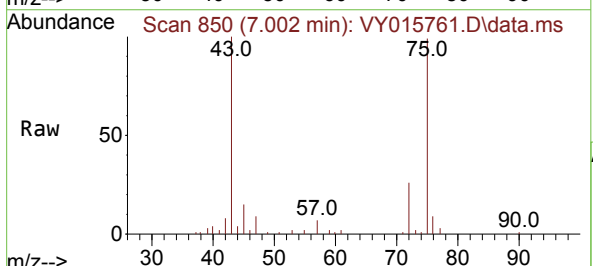
RT: 7.002 min Scan# 850

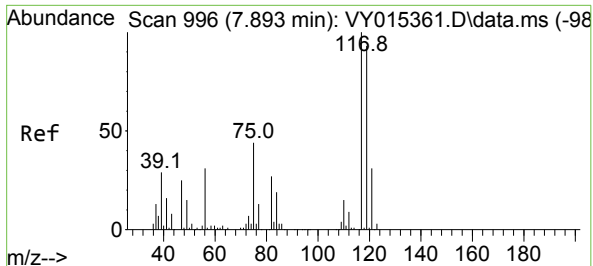
Delta R.T. -0.061 min

Lab File: VY015761.D

Acq: 29 Sep 2023 18:16

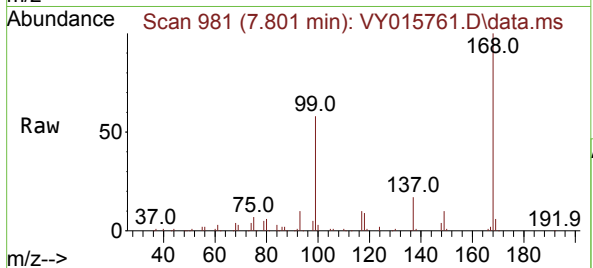
Tgt Ion: 43	Resp: 24005
Ion Ratio	Lower Upper
43 100	
61 0.0	10.1 15.1#
70 0.0	7.1 10.7#



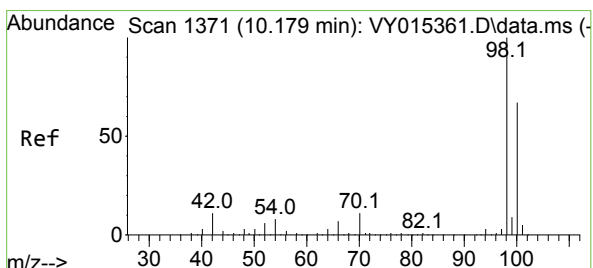
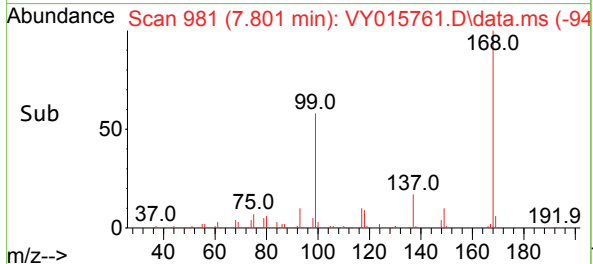
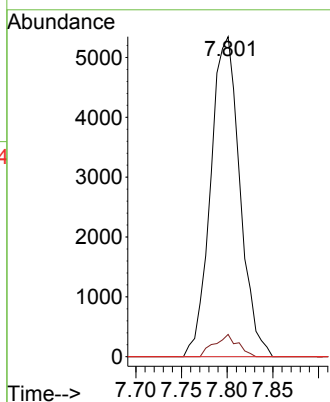


#38
Carbon Tetrachloride
Concen: 5.635 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.092 min
Lab File: VY015761.D
Acq: 29 Sep 2023 18:16

Instrument :
MSVOA_Y
ClientSampleId :

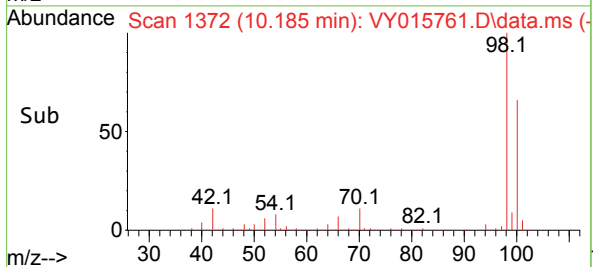
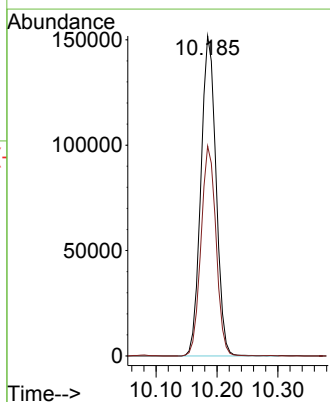
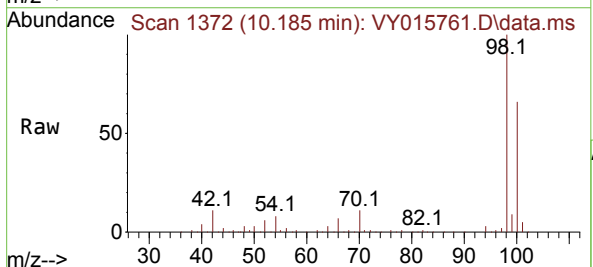


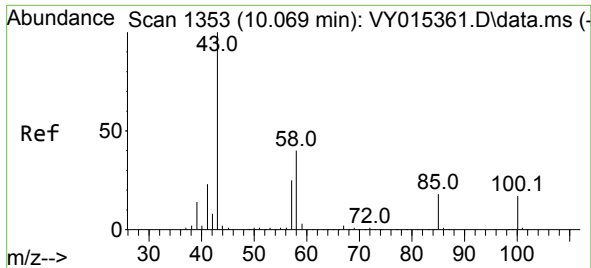
Tgt Ion:117 Resp: 11907
Ion Ratio Lower Upper
117 100
119 7.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 58.691 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015761.D
Acq: 29 Sep 2023 18:16

Tgt Ion: 98 Resp: 261995
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

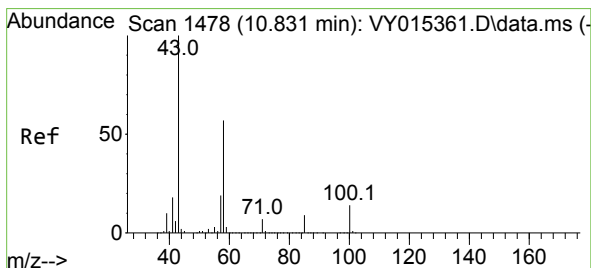
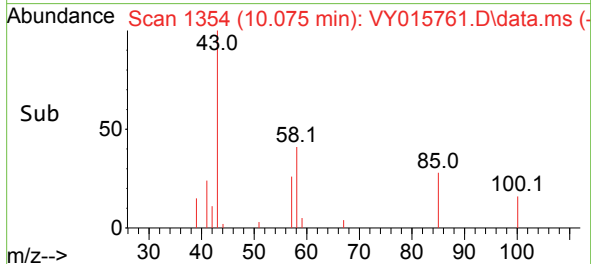
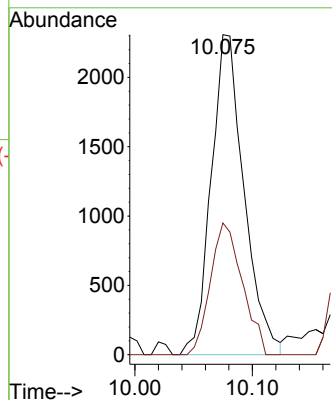
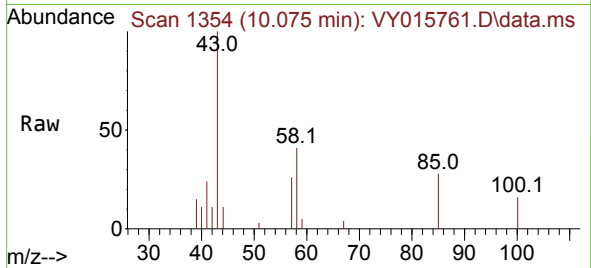




#51
4-Methyl-2-Pentanone
Concen: 2.184 ug/l
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015761.D
Acq: 29 Sep 2023 18:16

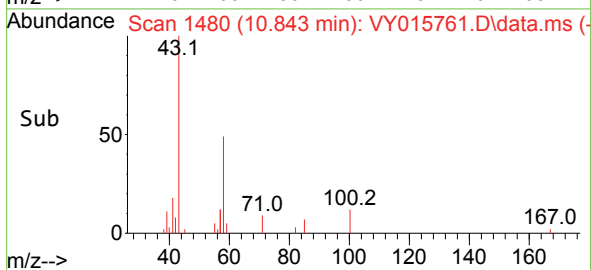
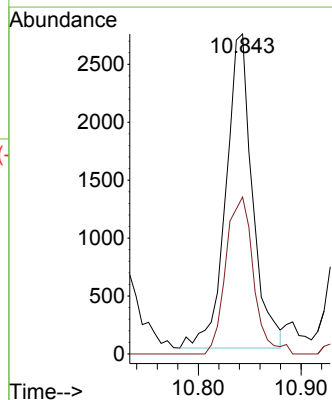
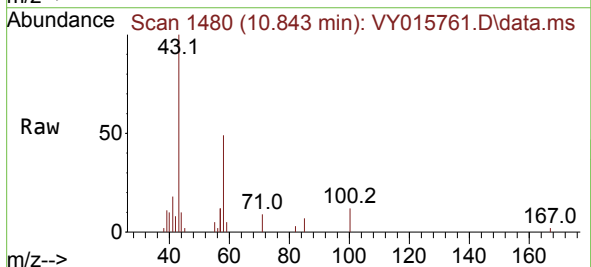
Instrument :
MSVOA_Y
ClientSampleId :

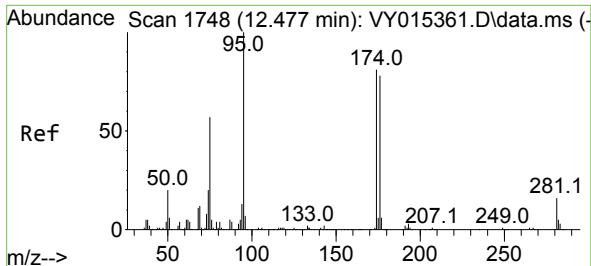
Tgt Ion: 43 Resp: 4490
Ion Ratio Lower Upper
43 100
58 39.9 29.0 43.6



#59
2-Hexanone
Concen: 3.094 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. 0.012 min
Lab File: VY015761.D
Acq: 29 Sep 2023 18:16

Tgt Ion: 43 Resp: 4880
Ion Ratio Lower Upper
43 100
58 51.8 25.1 75.3

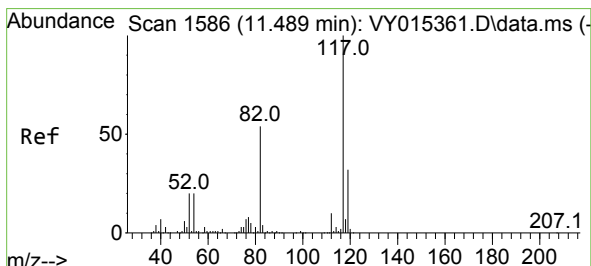
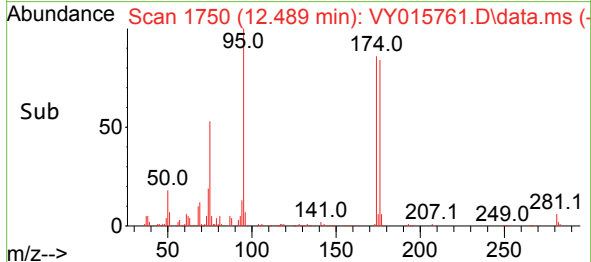
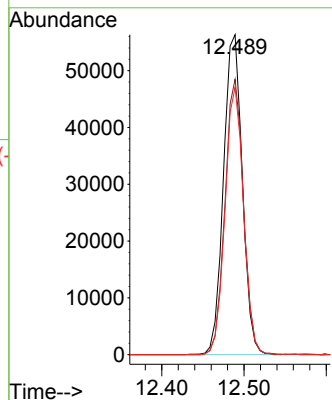
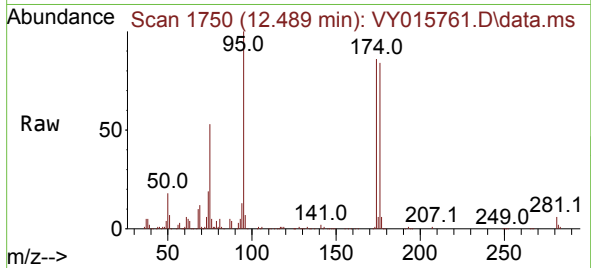




#62
4-Bromofluorobenzene
Concen: 51.278 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY015761.D
Acq: 29 Sep 2023 18:16

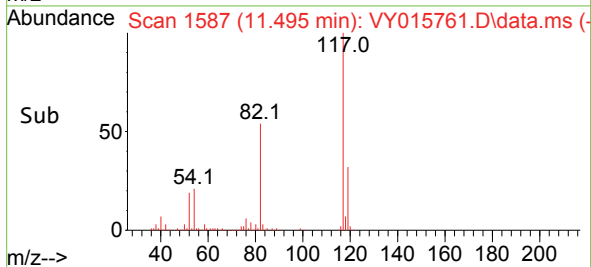
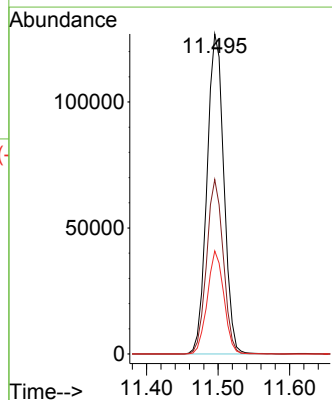
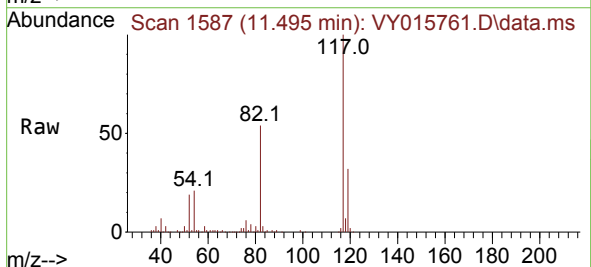
Instrument :
MSVOA_Y
ClientSampleId :

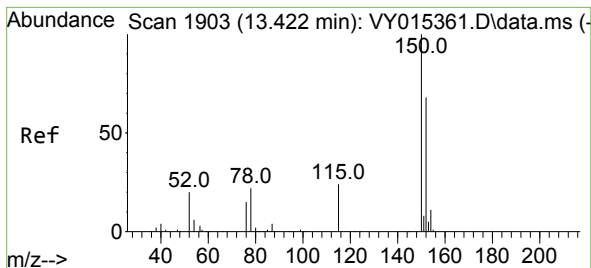
Tgt Ion: 95 Resp: 89830
Ion Ratio Lower Upper
95 100
174 84.8 0.0 178.2
176 81.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY015761.D
Acq: 29 Sep 2023 18:16

Tgt Ion: 117 Resp: 208308
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.2 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

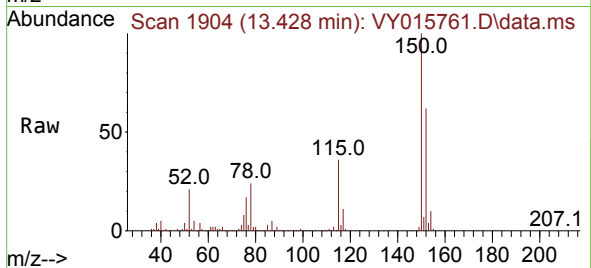
Lab File: VY015761.D

Acq: 29 Sep 2023 18:16

Instrument :

MSVOA_Y

ClientSampleId :



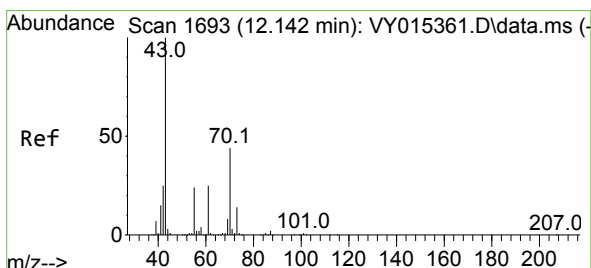
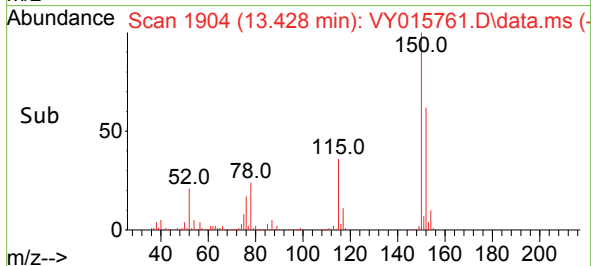
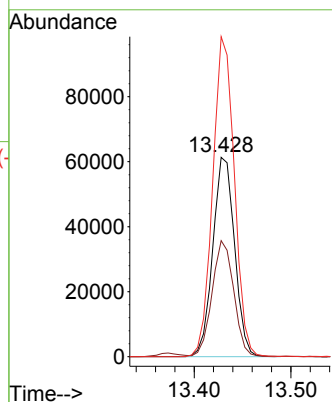
Tgt Ion:152 Resp: 96003

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 159.1 0.0 348.8



#74

N-ethyl acetate

Concen: 3.052 ug/l

RT: 12.111 min Scan# 1688

Delta R.T. -0.031 min

Lab File: VY015761.D

Acq: 29 Sep 2023 18:16

Tgt Ion: 43 Resp: 8260

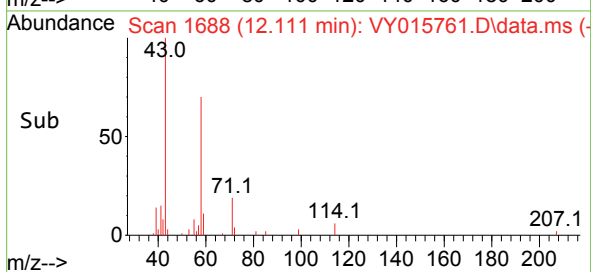
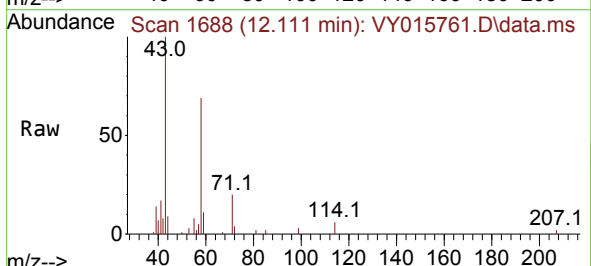
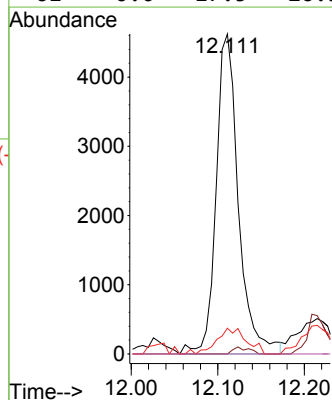
Ion Ratio Lower Upper

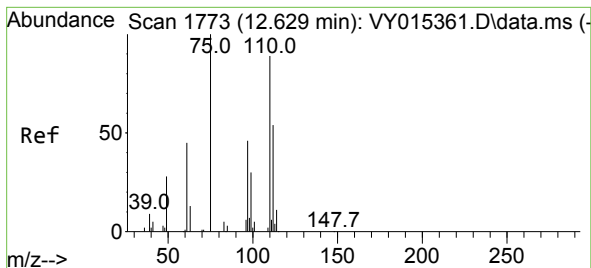
43 100

70 1.5 29.7 44.5#

55 10.5 18.3 27.5#

61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 31.425 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.140 min

Lab File: VY015761.D

Acq: 29 Sep 2023 18:16

Instrument :

MSVOA_Y

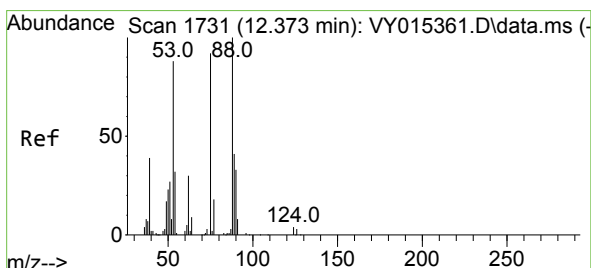
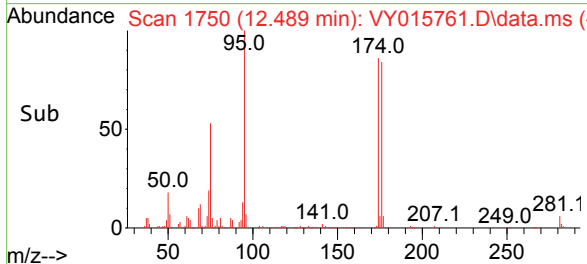
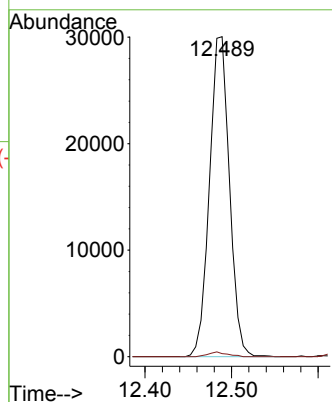
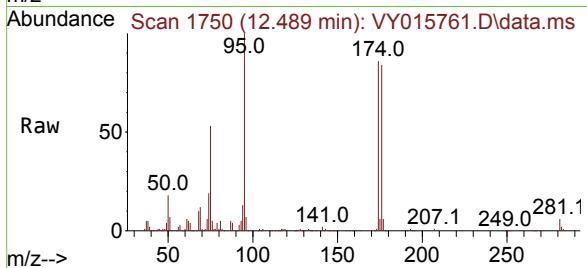
ClientSampleId :

Tgt Ion: 75 Resp: 48129

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.765 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.109 min

Lab File: VY015761.D

Acq: 29 Sep 2023 18:16

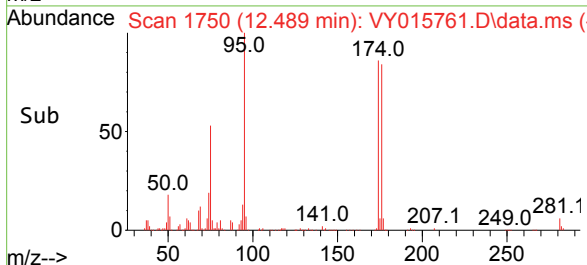
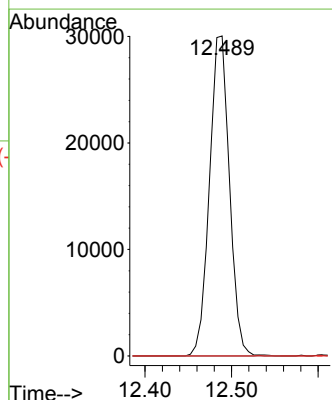
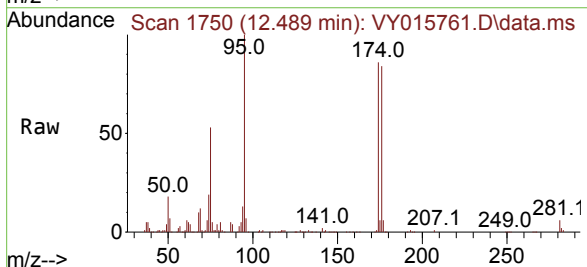
Tgt Ion: 75 Resp: 48129

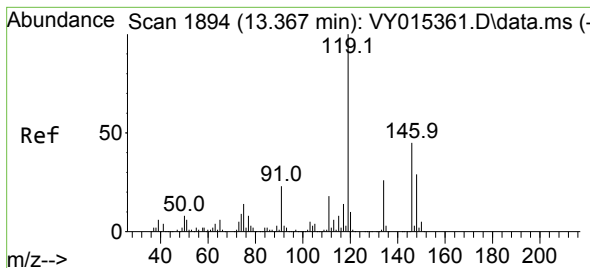
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#





#86

p-Isopropyltoluene

Concen: 2.664 ug/l

RT: 13.373 min Scan# 119

Delta R.T. 0.006 min

Lab File: VY015761.D

Acq: 29 Sep 2023 18:16

Instrument :

MSVOA_Y

ClientSampleId :

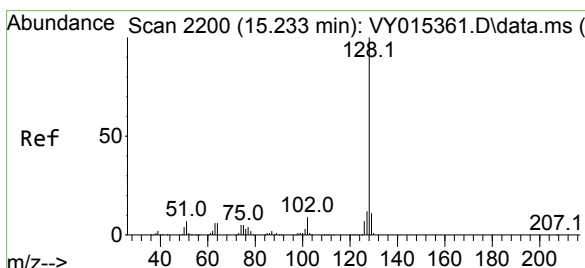
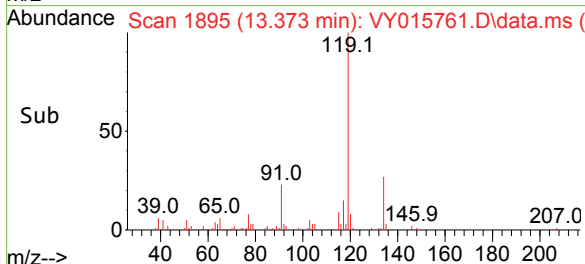
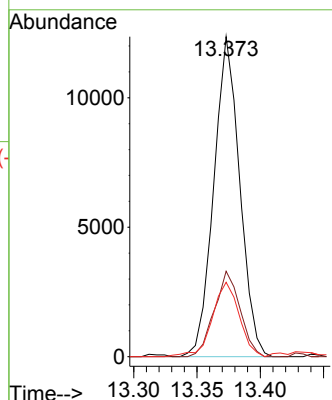
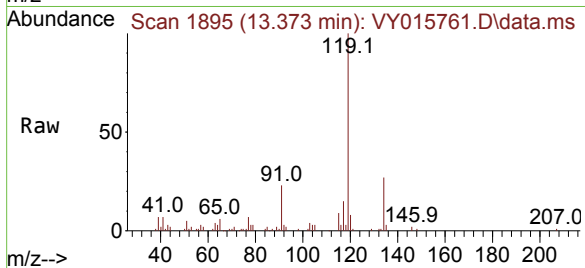
Tgt Ion:119 Resp: 17588

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 24.2 12.4 37.4



#95

Naphthalene

Concen: 1.156 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY015761.D

Acq: 29 Sep 2023 18:16

Tgt Ion:128 Resp: 6144

Ion Ratio Lower Upper

128 100

127 12.6 10.8 16.2

129 12.3 8.6 13.0

