

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015768.D
 Acq On : 29 Sep 2023 20:59
 Operator : SY/MD
 Sample : 04657-10
 Misc : 4.37g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 30 01:19:23 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	144627	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	245202	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	219697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	96719	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	94028	59.089	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.180%	
35) Dibromofluoromethane	7.728	113	77606	52.879	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.760%	
50) Toluene-d8	10.185	98	288437	57.964	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.920%	
62) 4-Bromofluorobenzene	12.489	95	95468	48.887	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.780%	

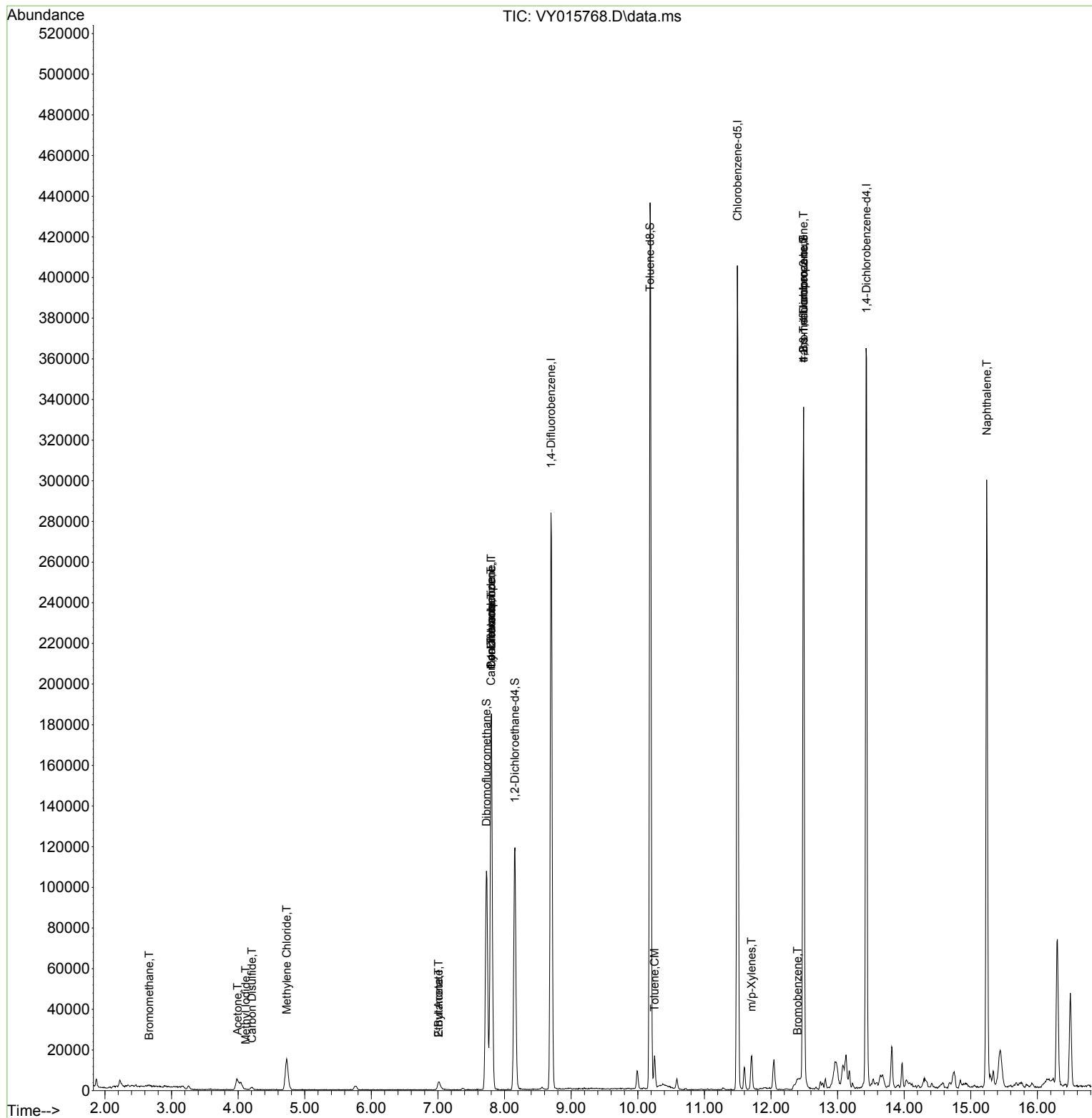
Target Compounds			Qvalue			
5) Bromomethane	2.662	94	187	2.687	ug/l #	67
10) Methyl Iodide	4.113	142	99	2.784	ug/l #	38
11) Tert butyl alcohol	5.003	59	55	Below Cal	#	89
16) Acetone	3.991	43	12845	15.083	ug/l	99
17) Carbon Disulfide	4.204	76	2647	1.071	ug/l #	85
20) Methylene Chloride	4.729	84	11856	1.680	ug/l	84
25) 2-Butanone	7.009	43	7486	6.219	ug/l	92
31) Cyclohexane	7.801	56	2929	1.329	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	10642	4.904	ug/l #	51
37) Ethyl Acetate	7.009	43	7486	3.459	ug/l #	71
38) Carbon Tetrachloride	7.795	117	14332	6.085	ug/l #	16
52) Toluene	10.252	92	6135	1.438	ug/l	90
68) m/p-Xylenes	11.709	106	5084	1.596	ug/l	98
76) 1,2,3-Trichloropropane	12.489	75	51064	33.094	ug/l #	100
77) Bromobenzene	12.398	156	3614	2.029	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.489	75	51064	74.525	ug/l #	11
95) Naphthalene	15.239	128	239255	44.686	ug/l	99

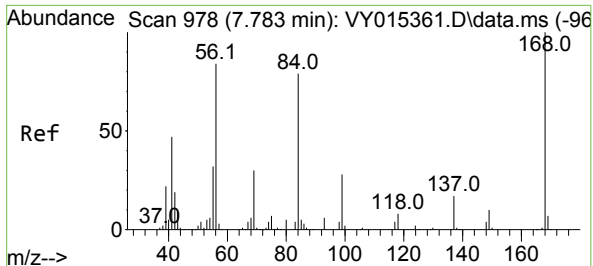
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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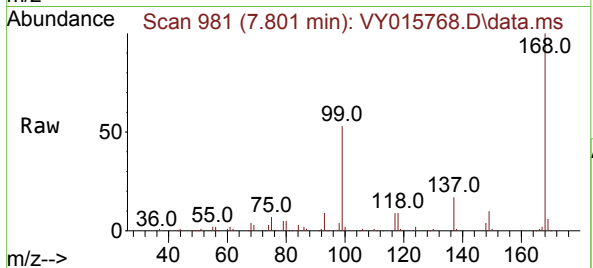
Quant Time: Sep 30 01:19:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
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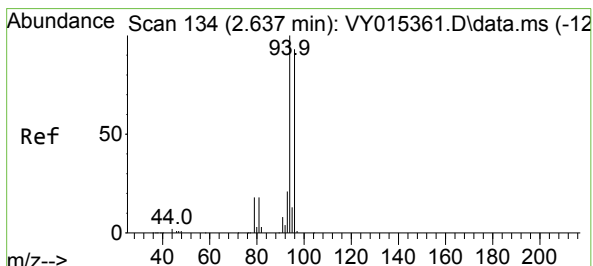
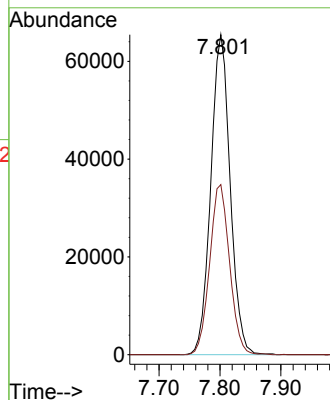
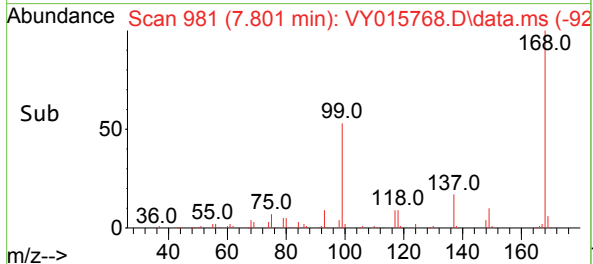


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59

Instrument :
MSVOA_Y
ClientSampleId :

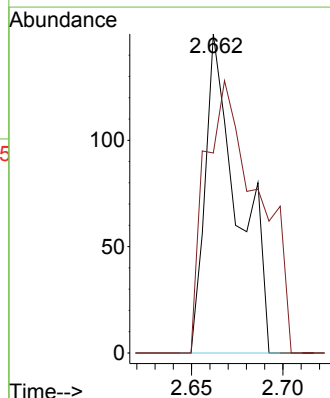
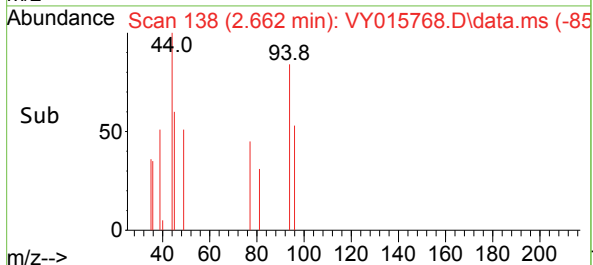
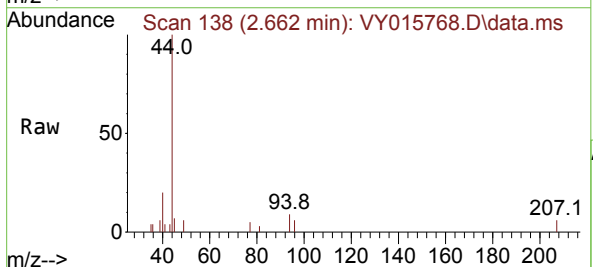


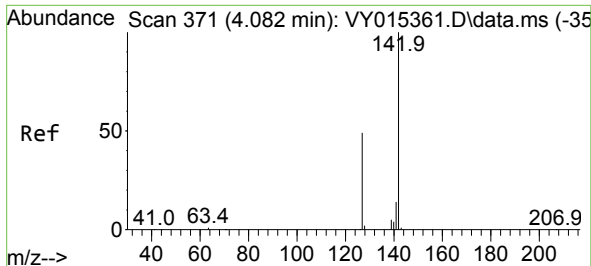
Tgt Ion:168 Resp: 144627
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#5
Bromomethane
Concen: 2.687 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59

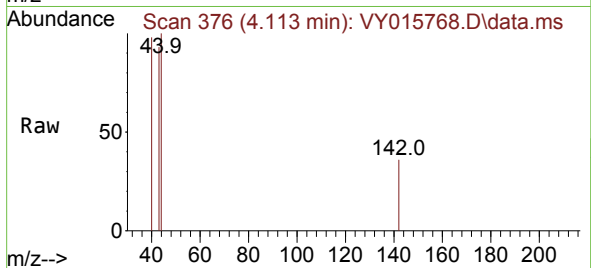
Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 62.7 75.8 113.6#



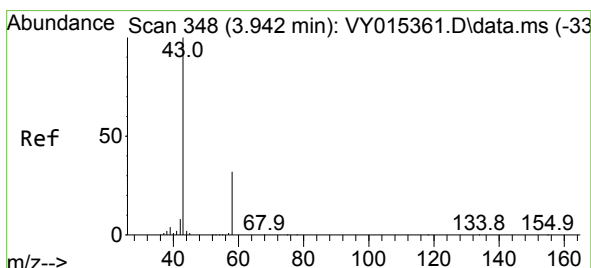
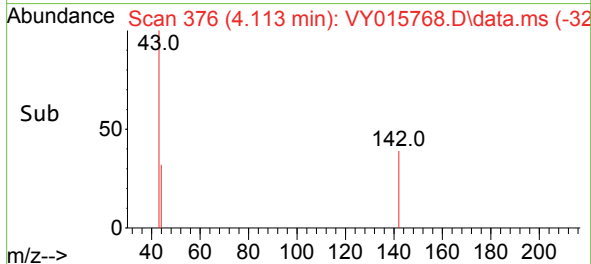
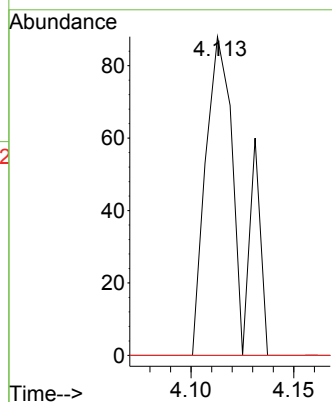


#10
Methyl Iodide
Concen: 2.784 ug/l
RT: 4.113 min Scan# 31
Delta R.T. 0.031 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59

Instrument :
MSVOA_Y
ClientSampleId :

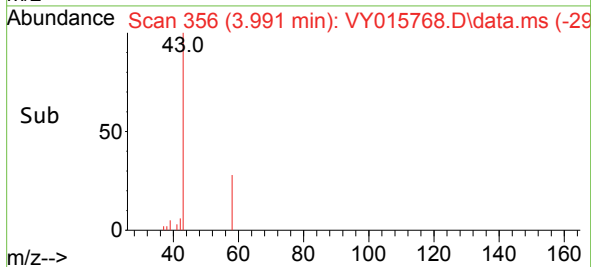
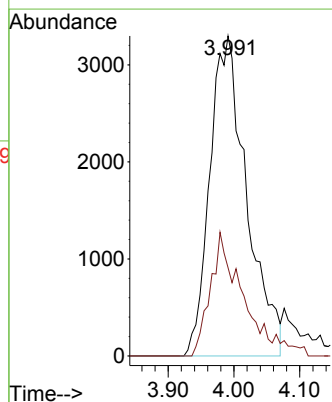
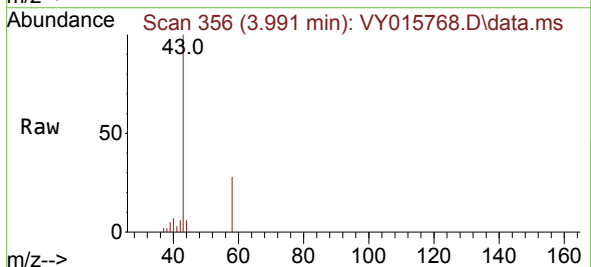


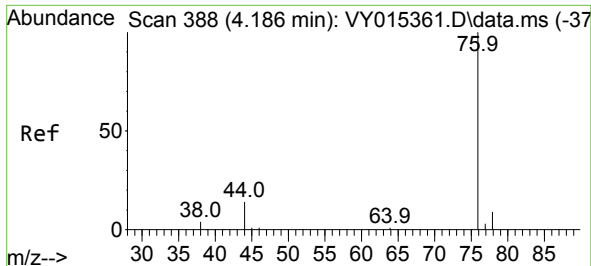
Tgt Ion:142 Resp: 99
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 15.083 ug/l
RT: 3.991 min Scan# 356
Delta R.T. 0.049 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59

Tgt Ion: 43 Resp: 12845
Ion Ratio Lower Upper
43 100
58 27.6 22.7 34.1





#17

Carbon Disulfide

Concen: 1.071 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.018 min

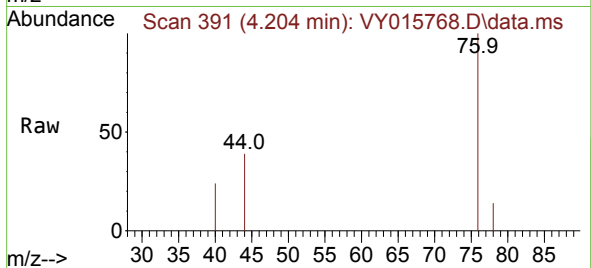
Lab File: VY015768.D

Acq: 29 Sep 2023 20:59

Instrument :

MSVOA_Y

ClientSampleId :

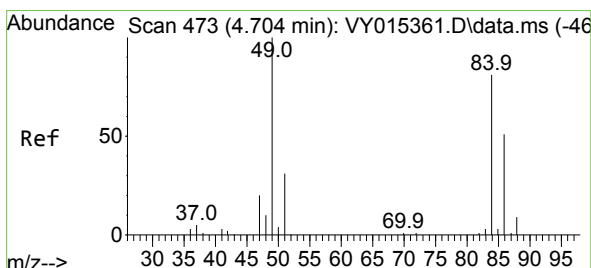
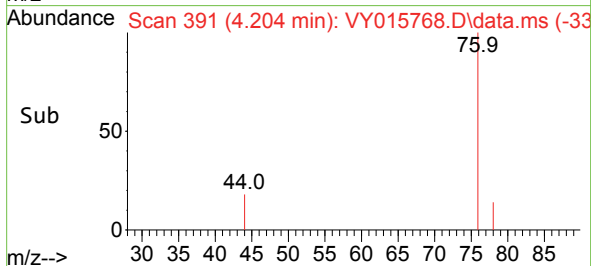
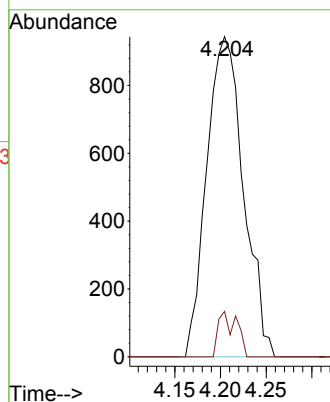


Tgt Ion: 76 Resp: 2647

Ion Ratio Lower Upper

76 100

78 14.2 7.0 10.4#



#20

Methylene Chloride

Concen: 1.680 ug/l

RT: 4.729 min Scan# 477

Delta R.T. 0.025 min

Lab File: VY015768.D

Acq: 29 Sep 2023 20:59

Tgt Ion: 84 Resp: 11856

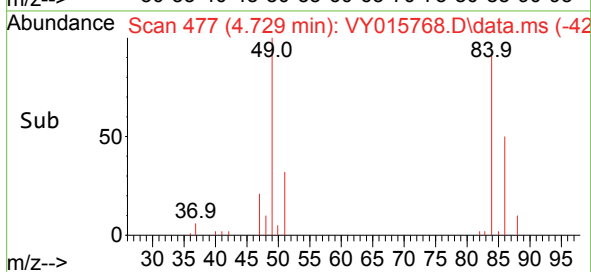
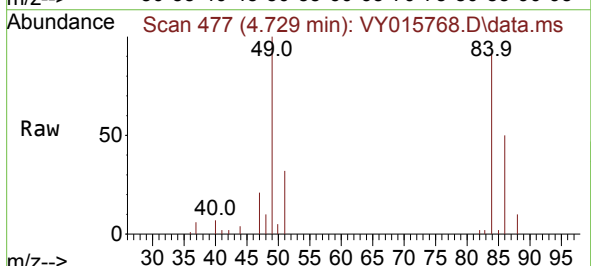
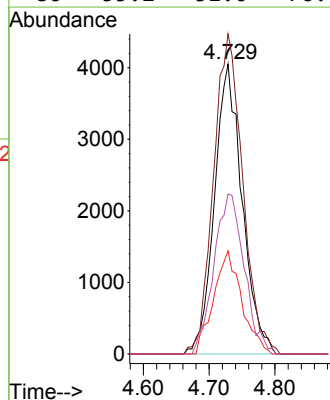
Ion Ratio Lower Upper

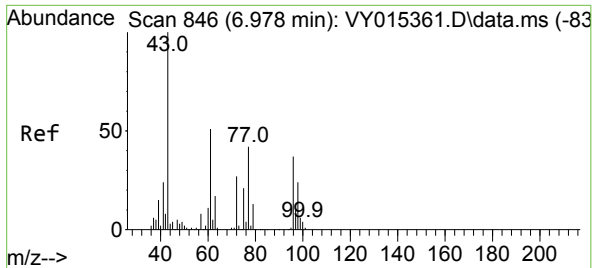
84 100

49 110.4 106.9 160.3

51 35.6 33.2 49.8

86 55.2 51.0 76.6

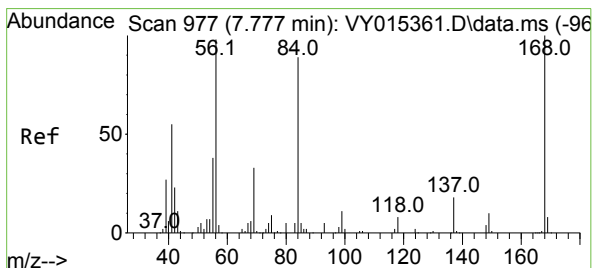
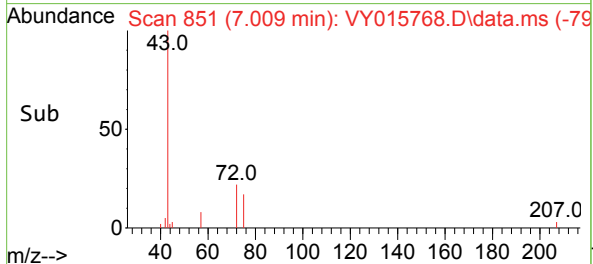
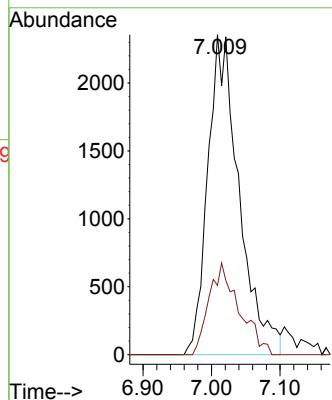
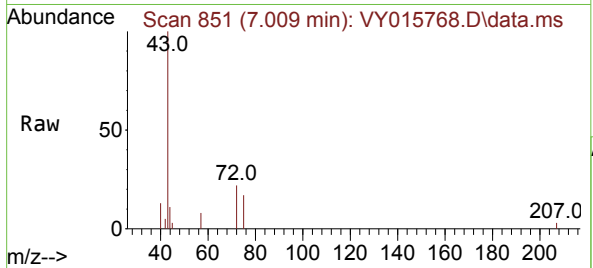




#25
2-Butanone
Concen: 6.219 ug/l
RT: 7.009 min Scan# 81
Delta R.T. 0.031 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59

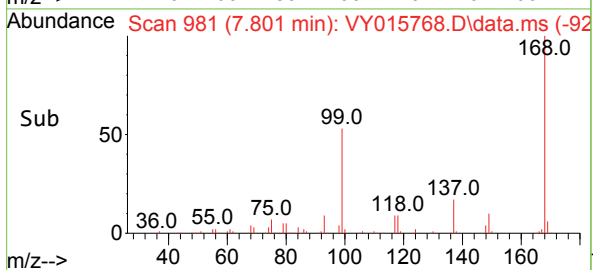
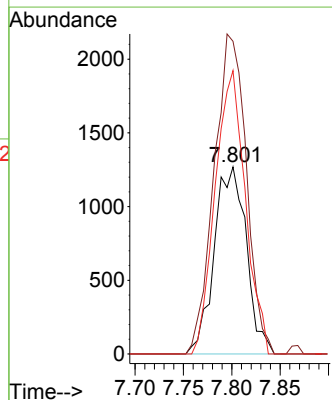
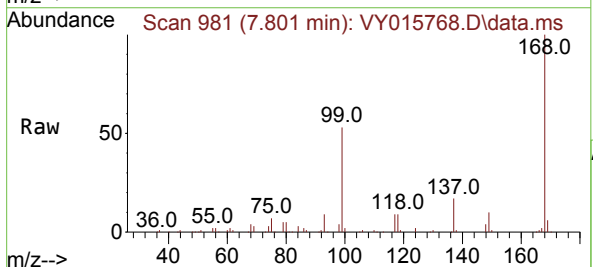
Instrument :
MSVOA_Y
ClientSampleId :

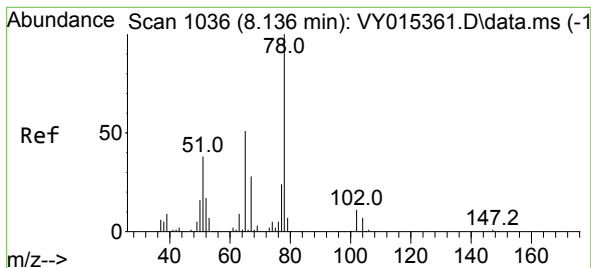
Tgt Ion: 43 Resp: 7486
Ion Ratio Lower Upper
43 100
72 21.6 20.5 30.7



#31
Cyclohexane
Concen: 1.329 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59

Tgt Ion: 56 Resp: 2929
Ion Ratio Lower Upper
56 100
69 167.1 27.8 41.6#
84 151.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 59.089 ug/l

RT: 8.155 min Scan# 110

Delta R.T. 0.019 min

Lab File: VY015768.D

Acq: 29 Sep 2023 20:59

Instrument :

MSVOA_Y

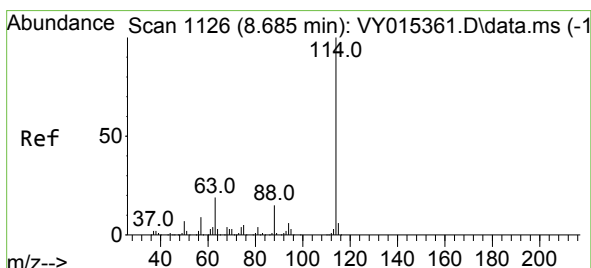
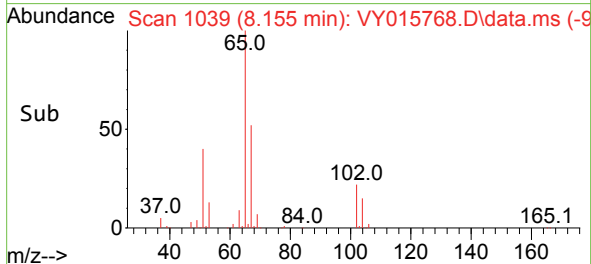
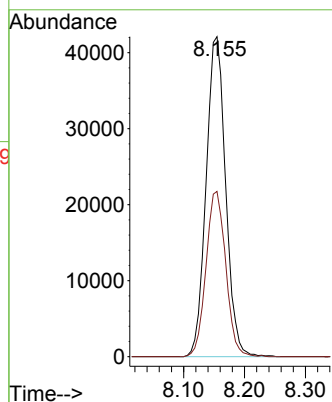
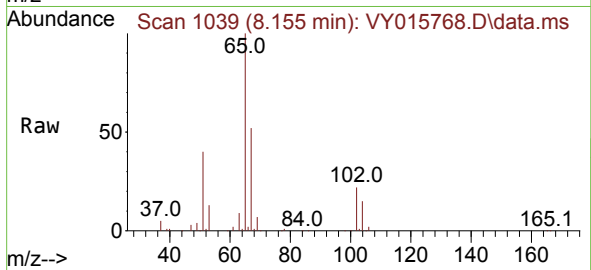
ClientSampleId :

Tgt Ion: 65 Resp: 94028

Ion Ratio Lower Upper

65 100

67 52.2 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: VY015768.D

Acq: 29 Sep 2023 20:59

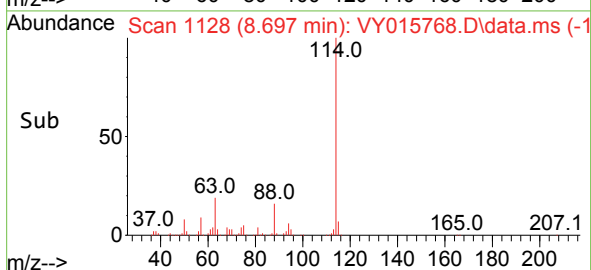
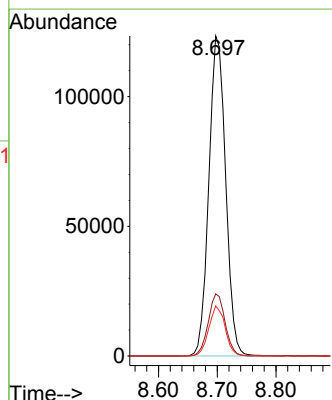
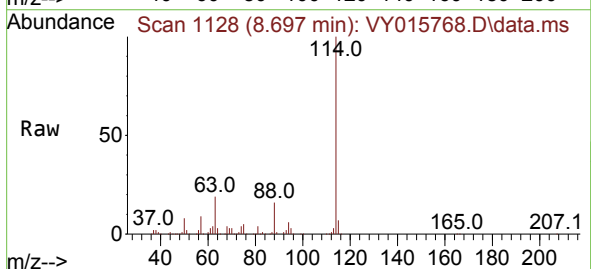
Tgt Ion:114 Resp: 245202

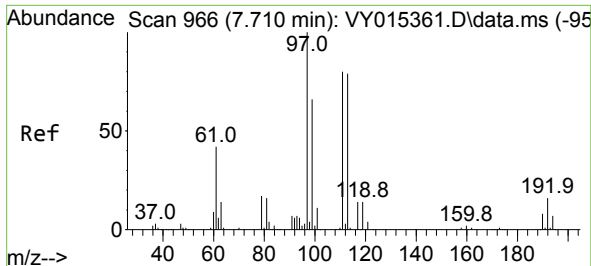
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

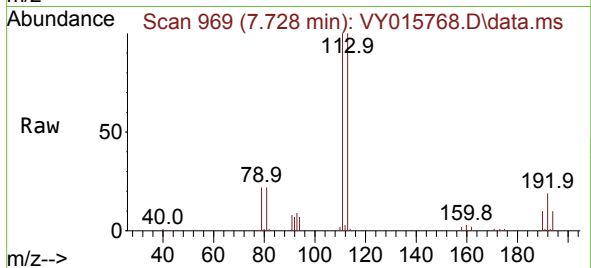
88 15.7 0.0 30.6



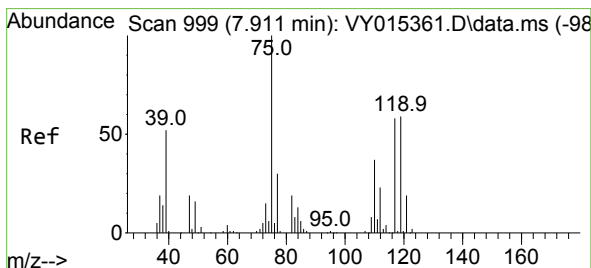
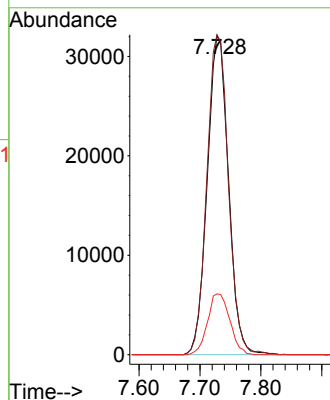
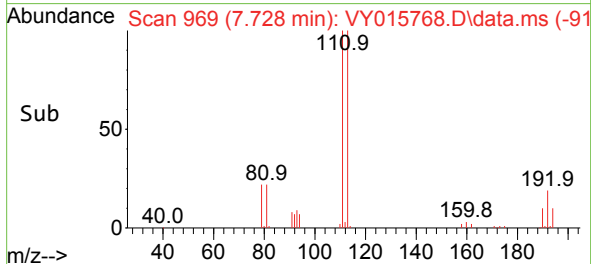


#35
Dibromofluoromethane
Concen: 52.879 ug/l
RT: 7.728 min Scan# 901
Delta R.T. 0.012 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59

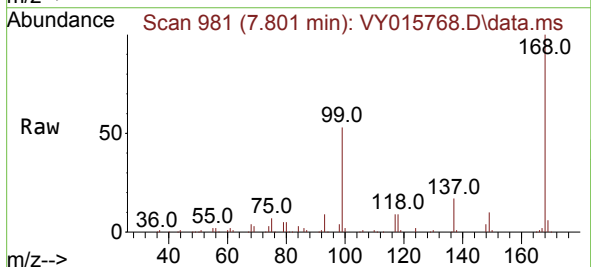
Instrument :
MSVOA_Y
ClientSampleId :



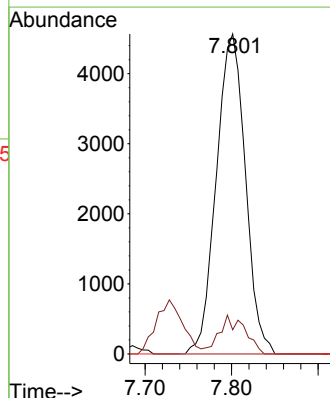
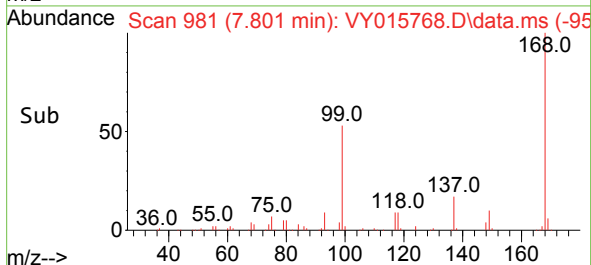
Tgt Ion:113 Resp: 77606
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 20.0 16.9 25.3

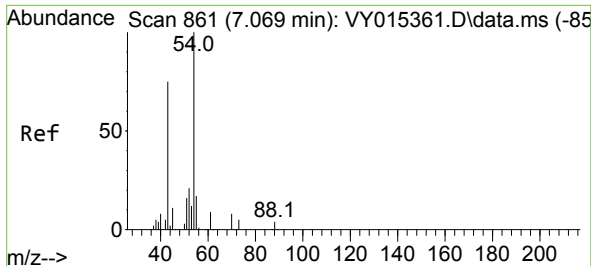


#36
1,1-Dichloropropene
Concen: 4.904 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59



Tgt Ion: 75 Resp: 10642
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.5#
77 0.0 24.4 36.6#

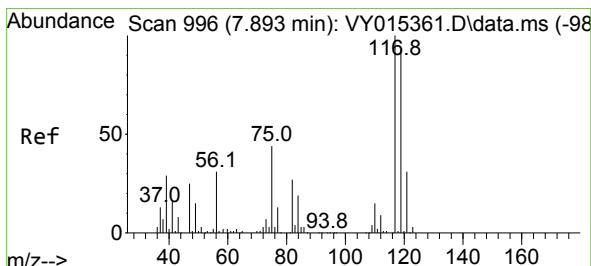
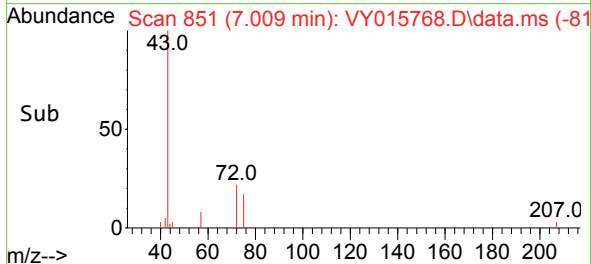
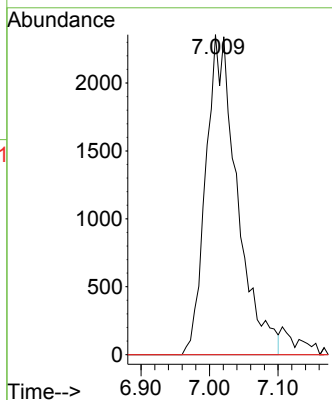
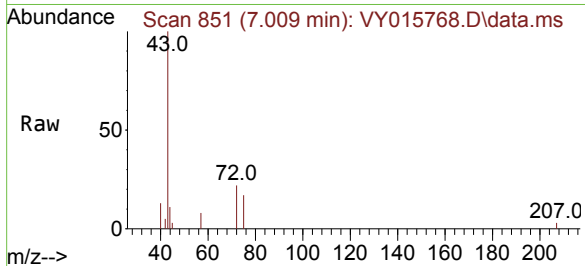




#37
Ethyl Acetate
Concen: 3.459 ug/l
RT: 7.009 min Scan# 81
Delta R.T. -0.054 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59

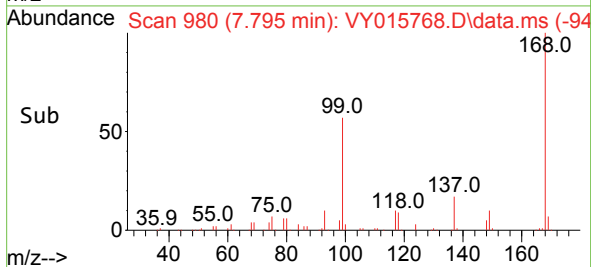
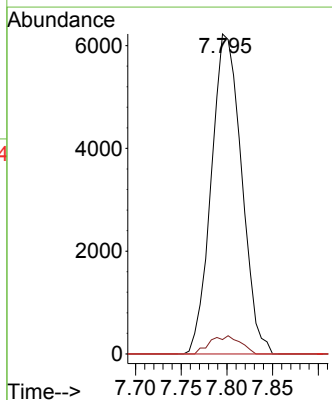
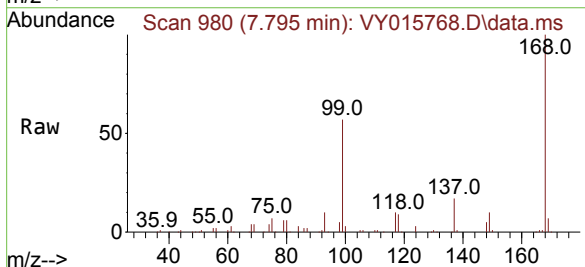
Instrument :
MSVOA_Y
ClientSampleId :

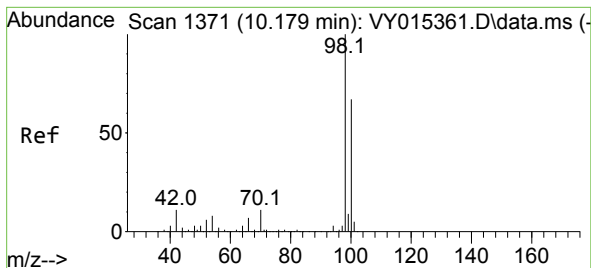
Tgt Ion: 43 Resp: 7486
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.085 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.098 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59

Tgt Ion: 117 Resp: 14332
Ion Ratio Lower Upper
117 100
119 4.5 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 57.964 ug/l

RT: 10.185 min Scan# 1371

Delta R.T. 0.006 min

Lab File: VY015768.D

Acq: 29 Sep 2023 20:59

Instrument :

MSVOA_Y

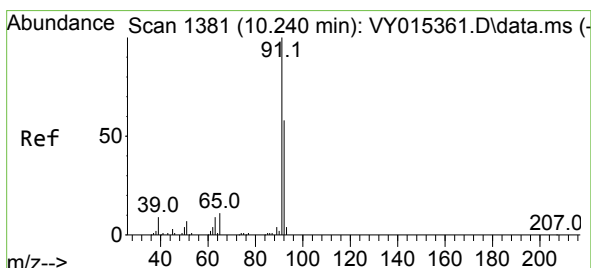
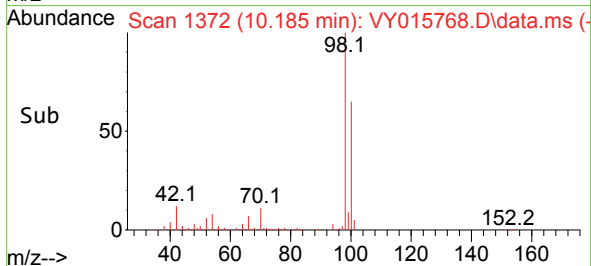
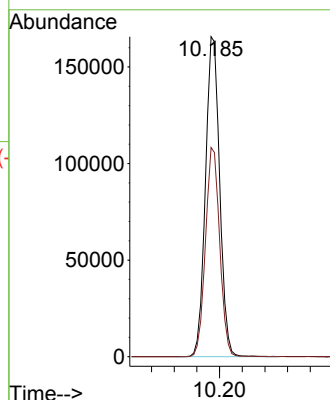
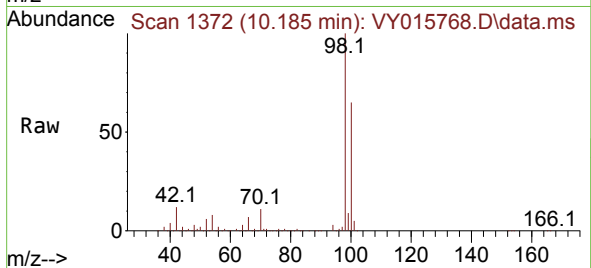
ClientSampleId :

Tgt Ion: 98 Resp: 288437

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#52

Toluene

Concen: 1.438 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.012 min

Lab File: VY015768.D

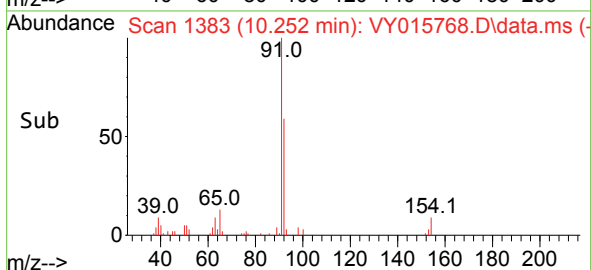
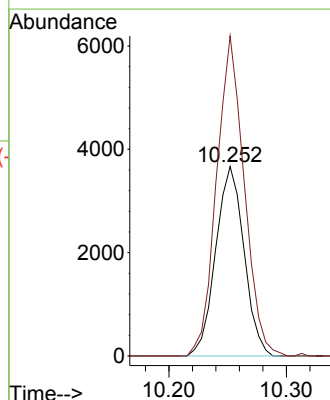
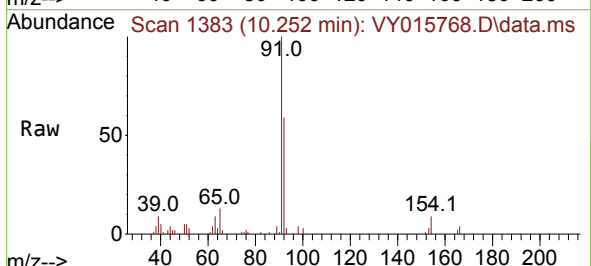
Acq: 29 Sep 2023 20:59

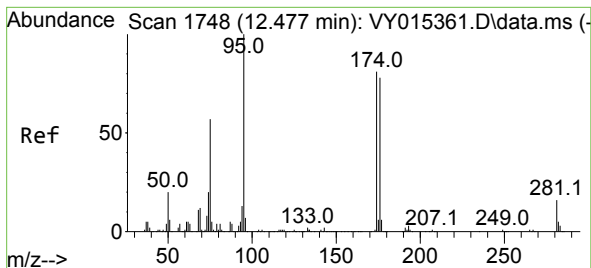
Tgt Ion: 92 Resp: 6135

Ion Ratio Lower Upper

92 100

91 165.3 143.8 215.6

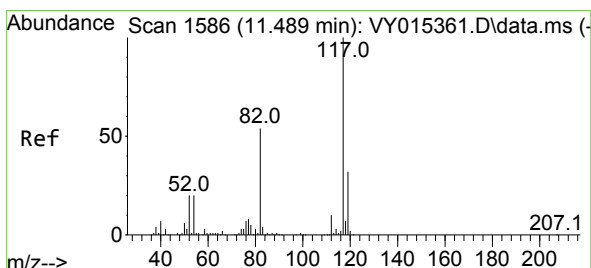
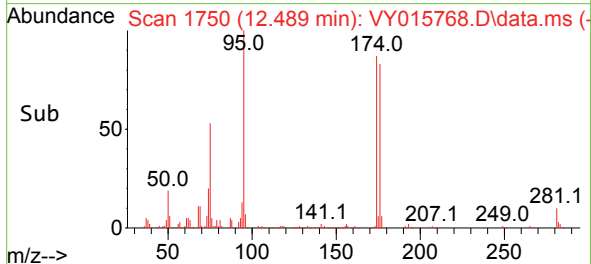
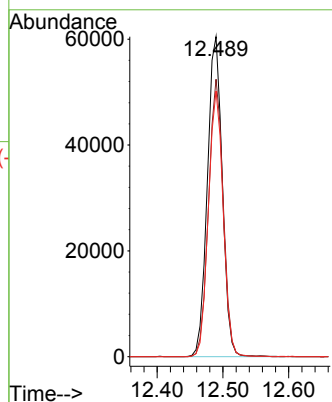
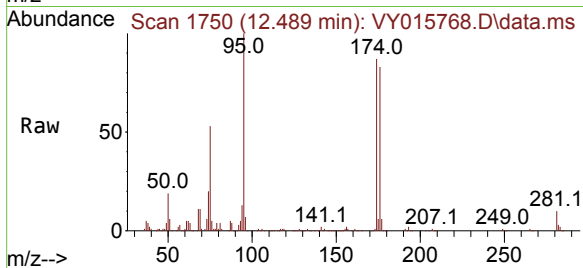




#62
4-Bromofluorobenzene
Concen: 48.887 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59

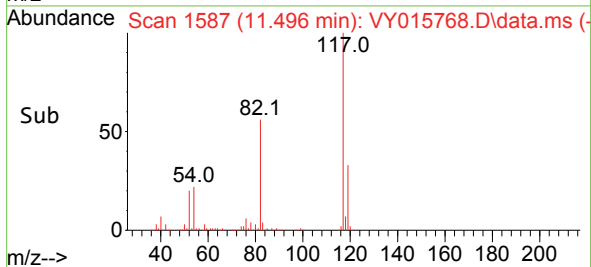
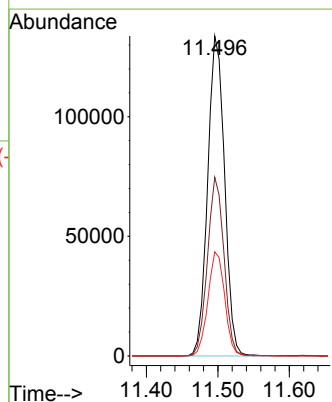
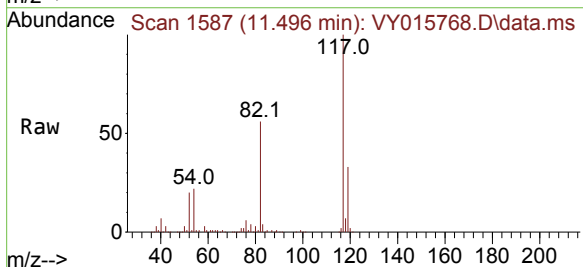
Instrument :
MSVOA_Y
ClientSampleId :

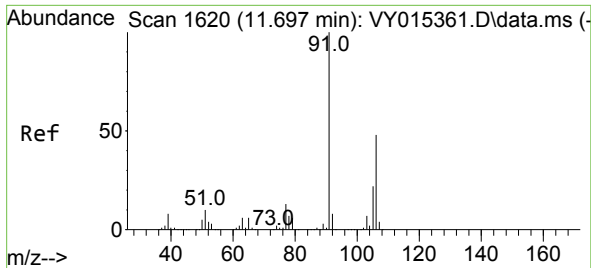
Tgt Ion: 95 Resp: 95468
Ion Ratio Lower Upper
95 100
174 85.4 0.0 178.2
176 82.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59

Tgt Ion: 117 Resp: 219697
Ion Ratio Lower Upper
117 100
82 55.9 43.4 65.0
119 32.6 26.3 39.5

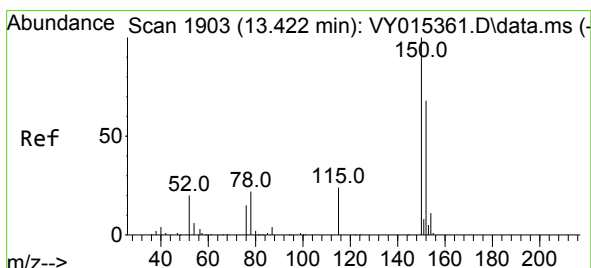
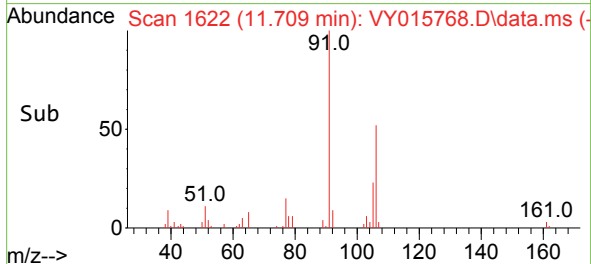
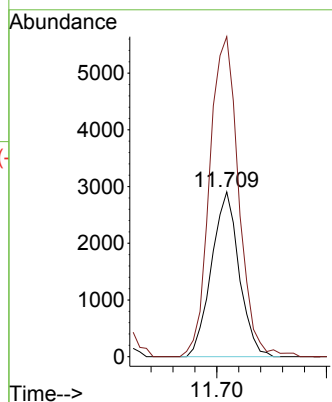
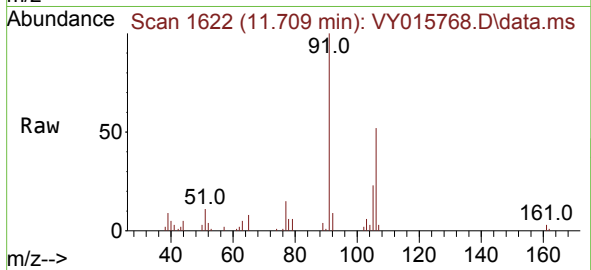




#68
m/p-Xylenes
Concen: 1.596 ug/l
RT: 11.709 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59

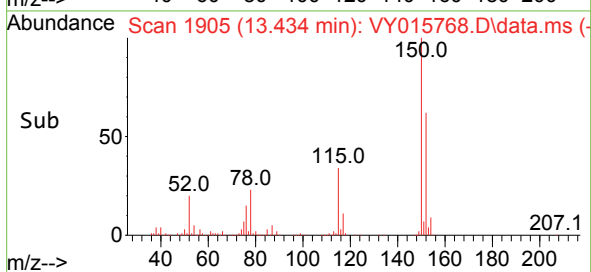
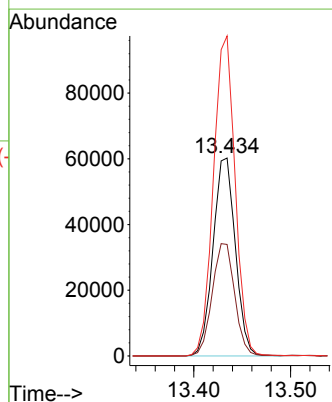
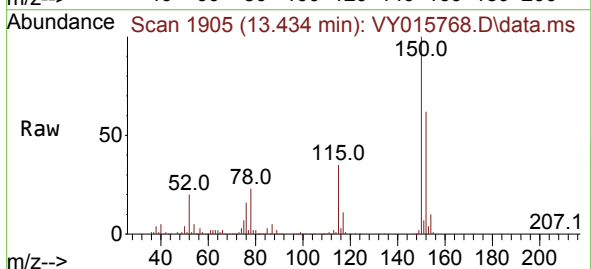
Instrument :
MSVOA_Y
ClientSampleId :

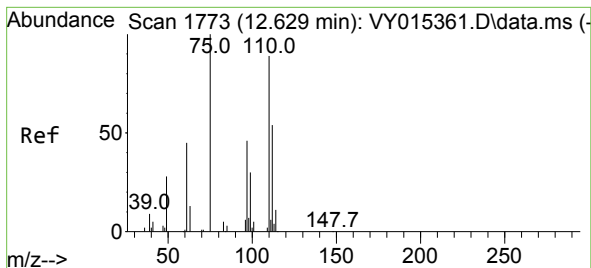
Tgt Ion:106 Resp: 5084
Ion Ratio Lower Upper
106 100
91 204.0 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.012 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59

Tgt Ion:152 Resp: 96719
Ion Ratio Lower Upper
152 100
115 57.1 28.8 86.5
150 157.1 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 33.094 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.140 min

Lab File: VY015768.D

Acq: 29 Sep 2023 20:59

Instrument :

MSVOA_Y

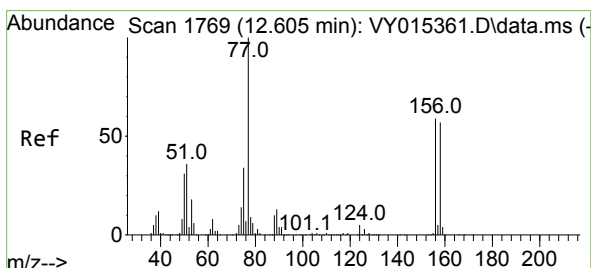
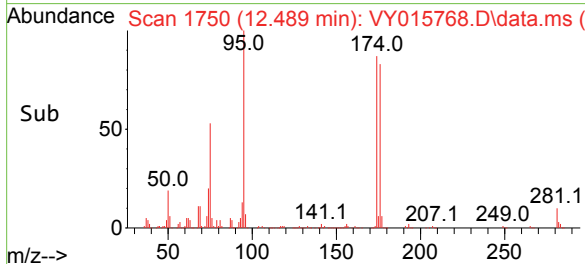
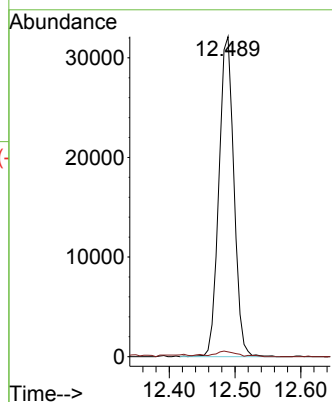
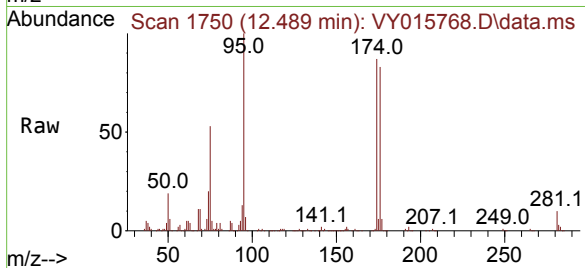
ClientSampleId :

Tgt Ion: 75 Resp: 51064

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#77

Bromobenzene

Concen: 2.029 ug/l

RT: 12.398 min Scan# 1735

Delta R.T. -0.207 min

Lab File: VY015768.D

Acq: 29 Sep 2023 20:59

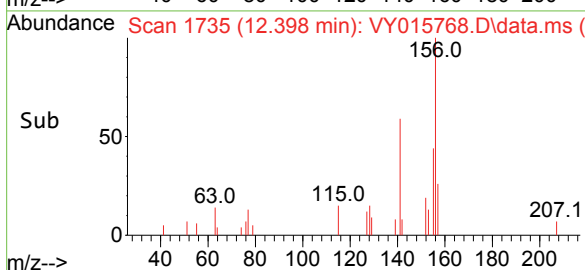
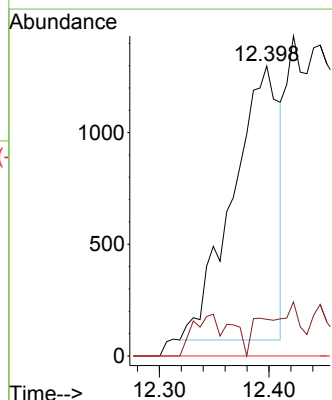
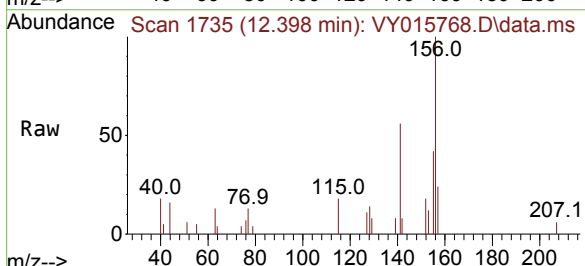
Tgt Ion: 156 Resp: 3614

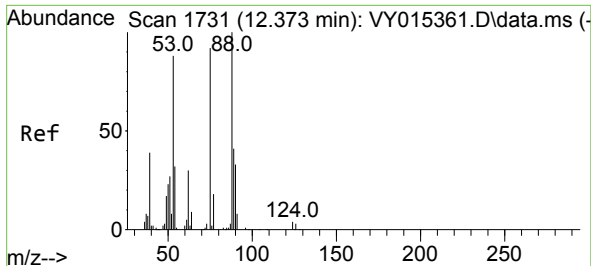
Ion Ratio Lower Upper

156 100

77 6.7 92.8 278.6#

158 0.0 48.4 145.3#

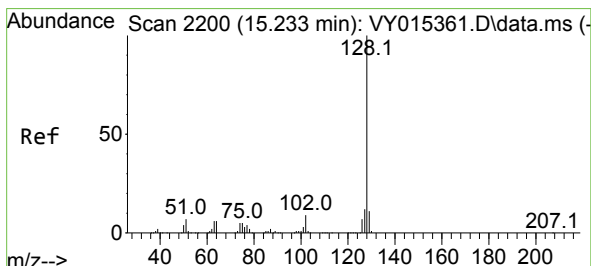
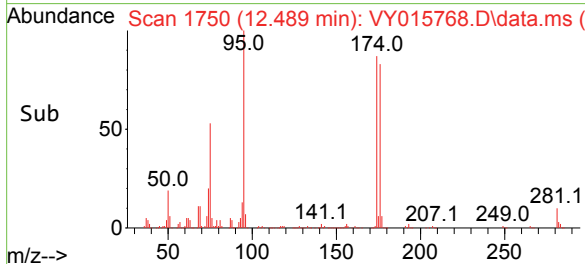
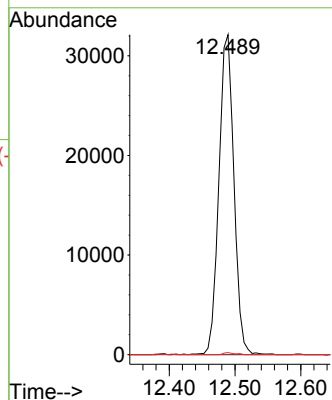
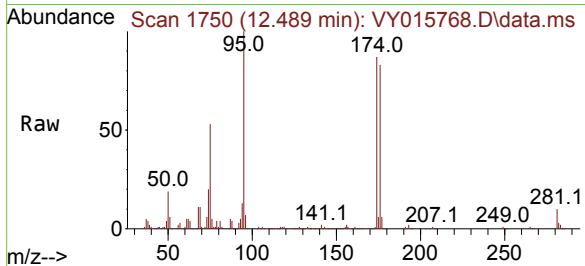




#81
trans-1,4-Dichloro-2-butene
Concen: 74.525 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 51064
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.5 37.4 56.0#



#95
Naphthalene
Concen: 44.686 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY015768.D
Acq: 29 Sep 2023 20:59

Tgt Ion:128 Resp: 239255
Ion Ratio Lower Upper
128 100
127 12.9 10.8 16.2
129 10.8 8.6 13.0

