

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082123\
 Data File : VY015228.D
 Acq On : 21 Aug 2023 19:19
 Operator : SY/MD
 Sample : 04091-04
 Misc : 5.74g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:58:15 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)

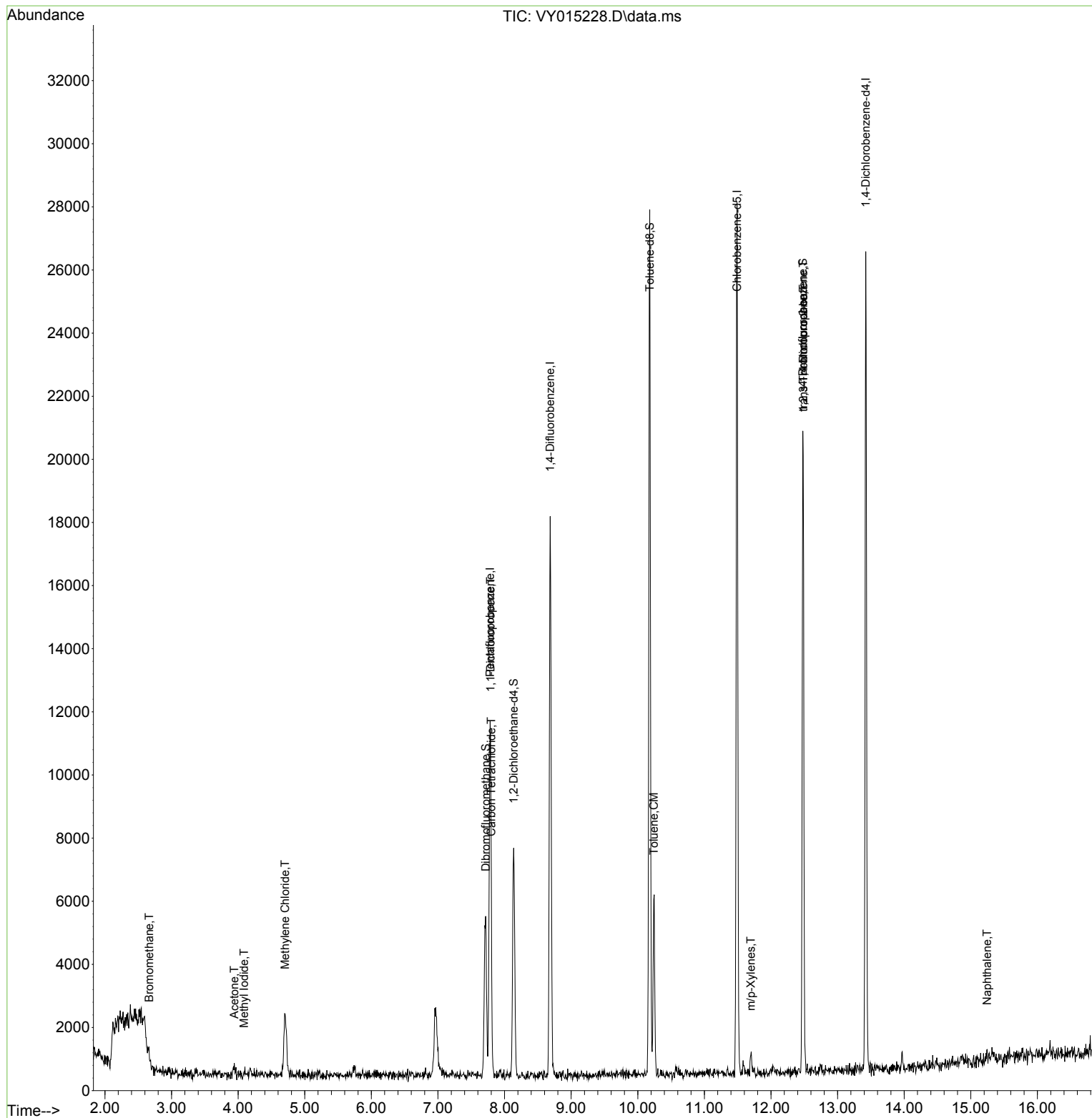
Internal Standards						
1) Pentafluorobenzene	7.783	168	9174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	15493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	15503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	6526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	5815	52.803	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.600%
35) Dibromofluoromethane	7.716	113	3800	38.125	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.260%
50) Toluene-d8	10.179	98	18313	49.356	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.720%
62) 4-Bromofluorobenzene	12.477	95	6509	48.030	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.060%
Target Compounds						
						Qvalue
5) Bromomethane	2.662	94	226	2.992	ug/l #	68
10) Methyl Iodide	4.089	142	157	2.091	ug/l #	38
16) Acetone	3.942	43	425	11.813	ug/l	90
20) Methylene Chloride	4.704	84	1551	14.953	ug/l #	84
31) Cyclohexane	7.777	56	117	Below Cal	#	63
36) 1,1-Dichloropropene	7.789	75	718	6.511	ug/l #	41
38) Carbon Tetrachloride	7.801	117	871	6.674	ug/l #	12
52) Toluene	10.240	92	2569	11.691	ug/l	95
68) m/p-Xylenes	11.697	106	338	1.798	ug/l	87
76) 1,2,3-Trichloropropane	12.483	75	3406	42.958	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3406	94.357	ug/l #	10
95) Naphthalene	15.245	128	357	1.178	ug/l #	69

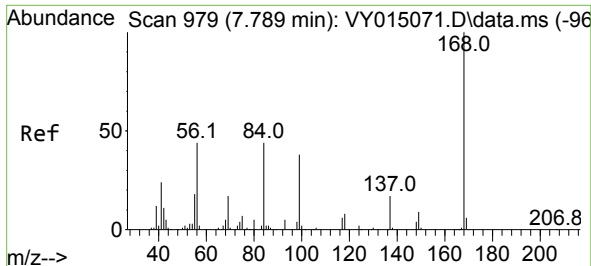
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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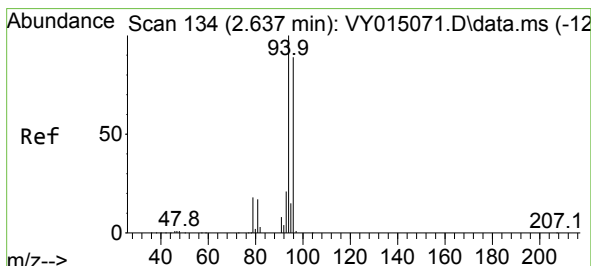
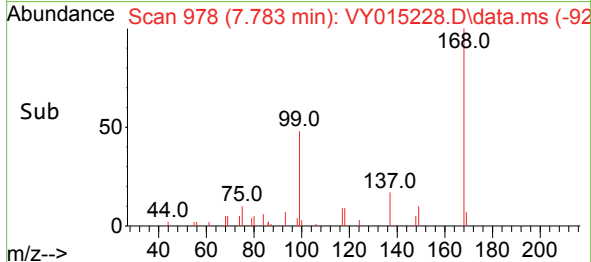
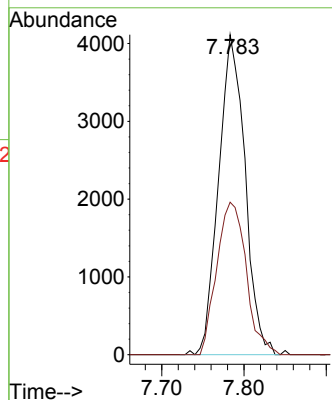
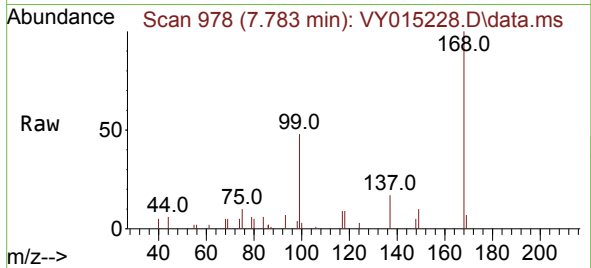




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015228.D
Acq: 21 Aug 2023 19:19

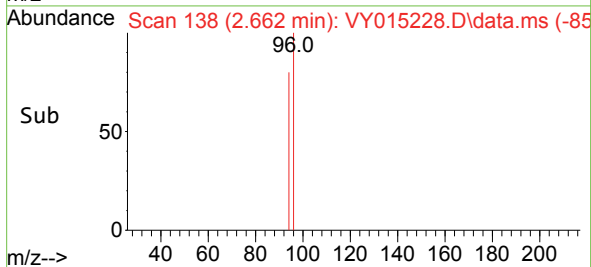
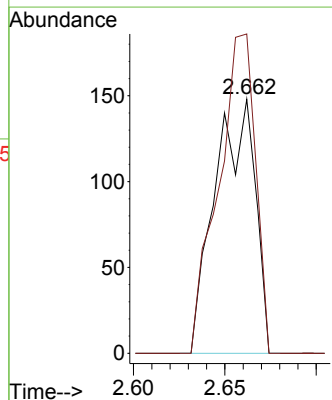
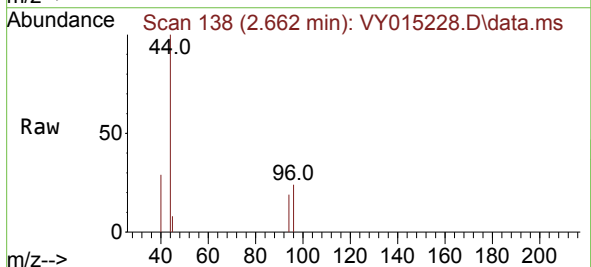
Instrument :
MSVOA_Y
ClientSampleId :

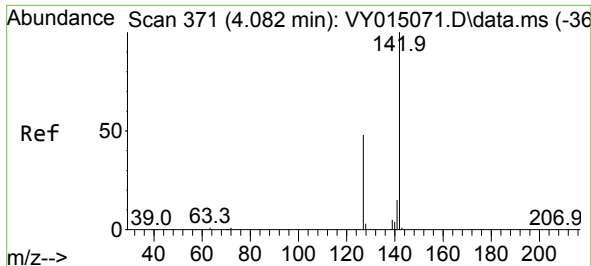
Tgt Ion:168 Resp: 9174
Ion Ratio Lower Upper
168 100
99 47.7 43.4 65.0



#5
Bromomethane
Concen: 2.992 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015228.D
Acq: 21 Aug 2023 19:19

Tgt Ion: 94 Resp: 226
Ion Ratio Lower Upper
94 100
96 125.7 75.8 113.6#





#10

Methyl Iodide

Concen: 2.091 ug/l

RT: 4.089 min Scan# 371

Delta R.T. 0.006 min

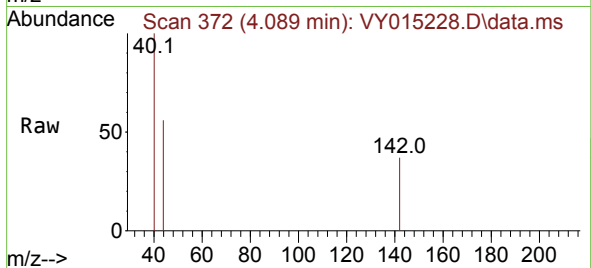
Lab File: VY015228.D

Acq: 21 Aug 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :



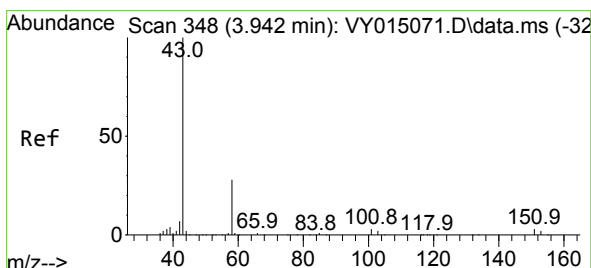
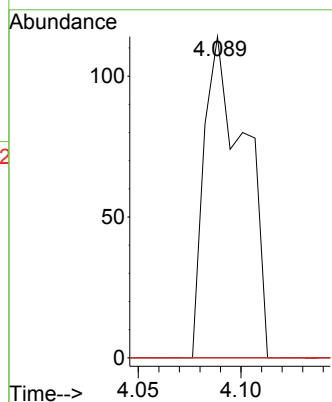
Tgt Ion:142 Resp: 157

Ion Ratio Lower Upper

142 100

127 0.0 37.6 56.4#

141 0.0 11.8 17.8#



#16

Acetone

Concen: 11.813 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY015228.D

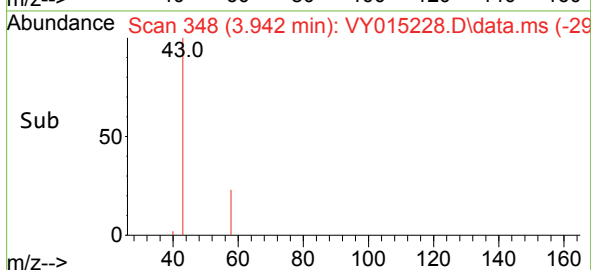
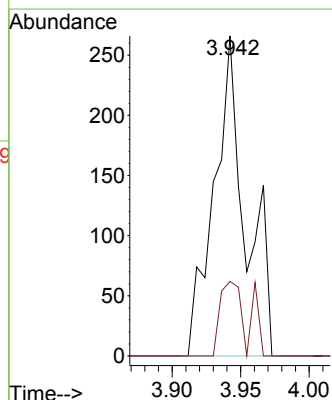
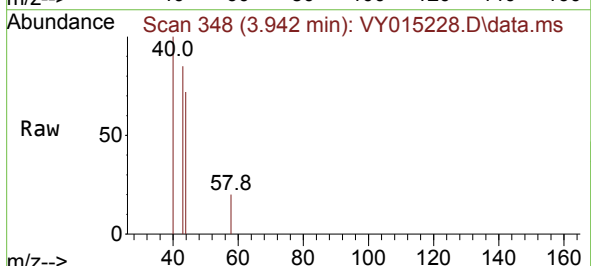
Acq: 21 Aug 2023 19:19

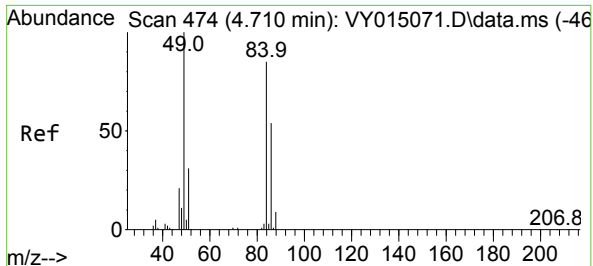
Tgt Ion: 43 Resp: 425

Ion Ratio Lower Upper

43 100

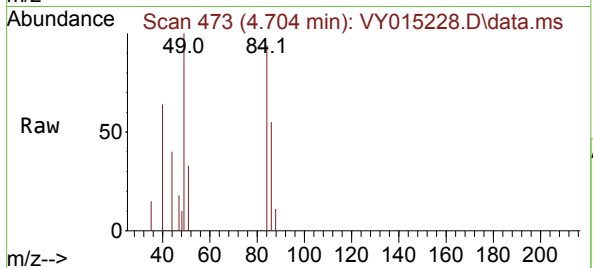
58 23.3 22.7 34.1



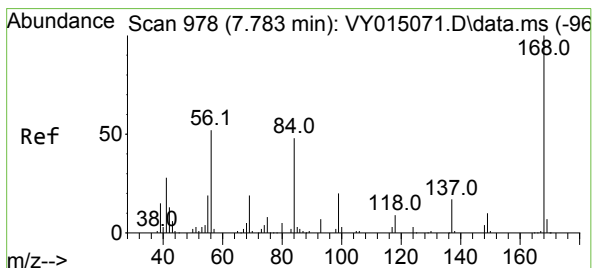
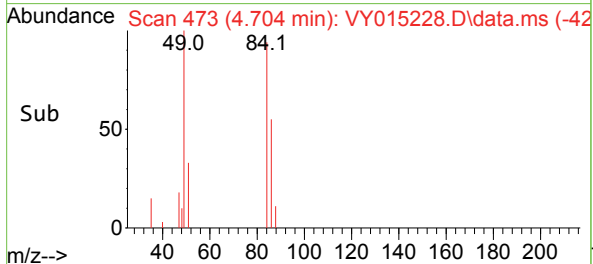
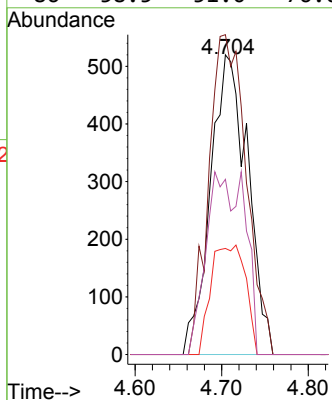


#20
Methylene Chloride
Concen: 14.953 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015228.D
Acq: 21 Aug 2023 19:19

Instrument :
MSVOA_Y
ClientSampleId :

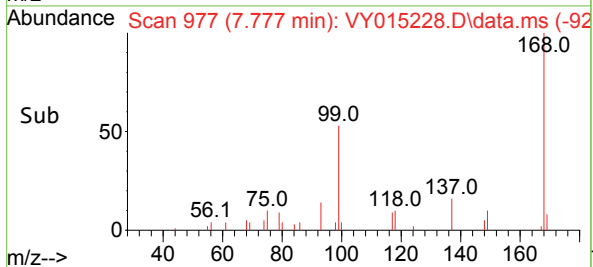
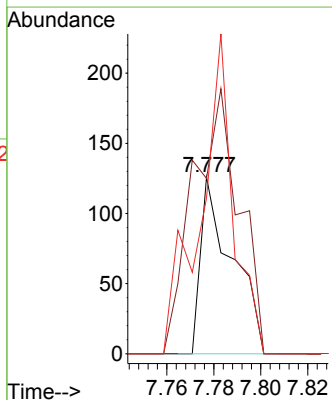
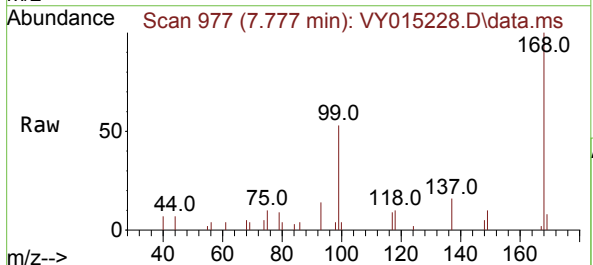


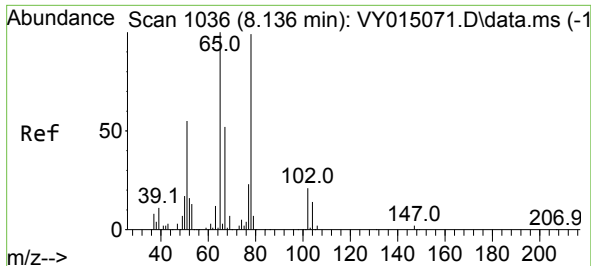
Tgt Ion: 84 Resp: 1551
Ion Ratio Lower Upper
84 100
49 106.7 106.9 160.3#
51 35.4 33.2 49.8
86 58.5 51.0 76.6



#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY015228.D
Acq: 21 Aug 2023 19:19

Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
69 99.2 27.8 41.6#
84 88.1 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 52.803 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015228.D

Acq: 21 Aug 2023 19:19

Instrument :

MSVOA_Y

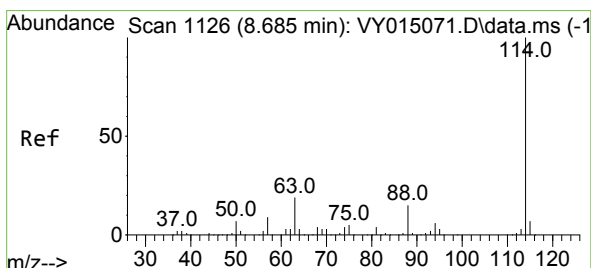
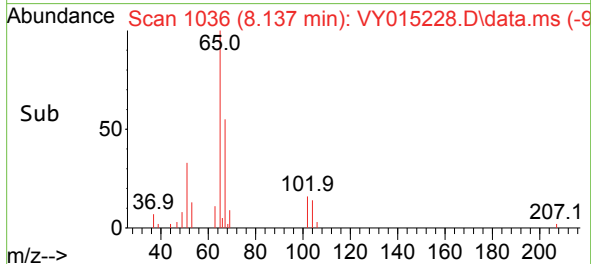
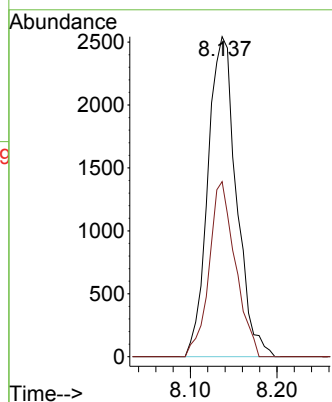
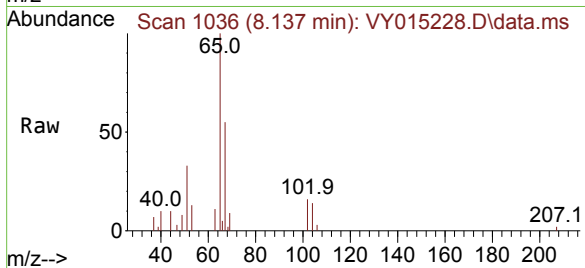
ClientSampleId :

Tgt Ion: 65 Resp: 5815

Ion Ratio Lower Upper

65 100

67 50.2 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: VY015228.D

Acq: 21 Aug 2023 19:19

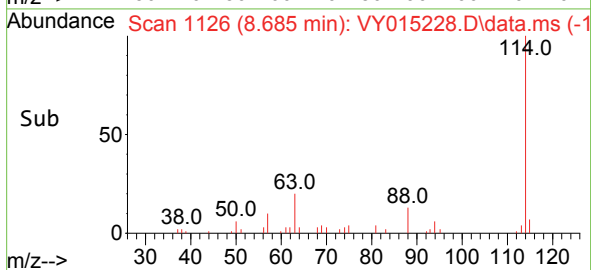
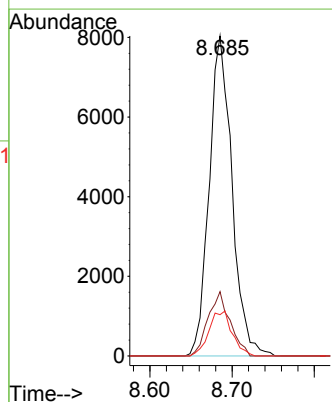
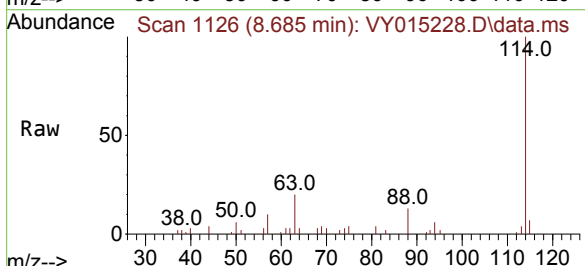
Tgt Ion: 114 Resp: 15493

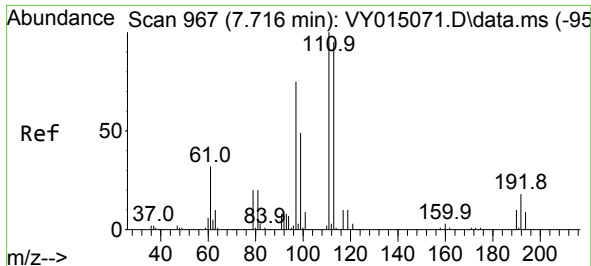
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

88 12.9 0.0 30.6

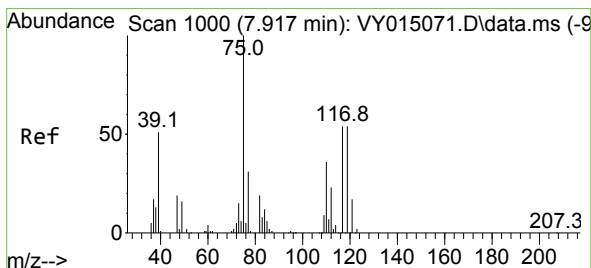
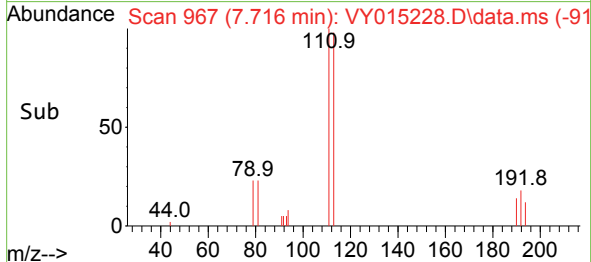
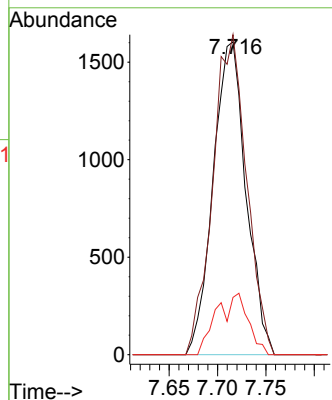
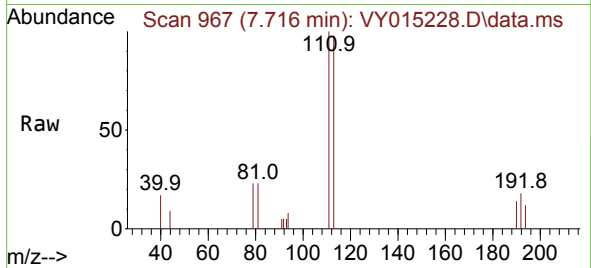




#35
 Dibromofluoromethane
 Concen: 38.125 ug/l
 RT: 7.716 min Scan# 910
 Delta R.T. 0.000 min
 Lab File: VY015228.D
 Acq: 21 Aug 2023 19:19

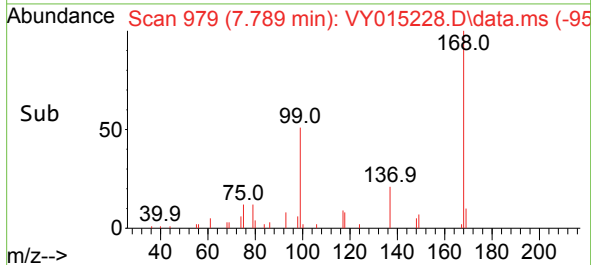
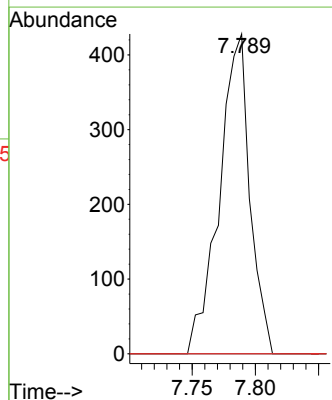
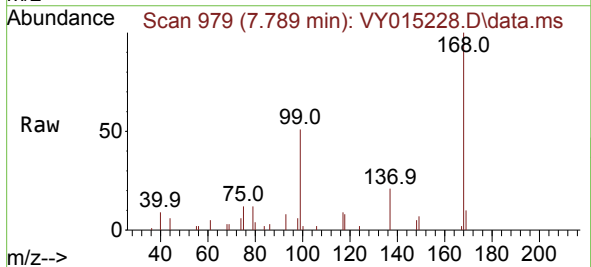
Instrument :
 MSVOA_Y
 ClientSampleId :

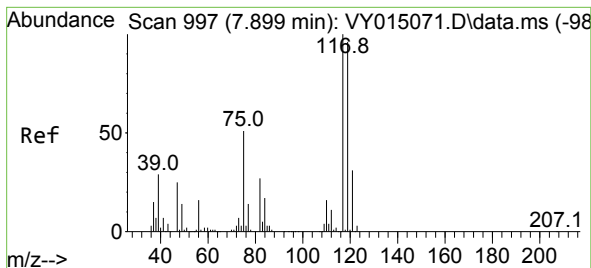
Tgt Ion:	113	Resp:	3800
Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.3	121.9
192	18.9	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 6.511 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.122 min
 Lab File: VY015228.D
 Acq: 21 Aug 2023 19:19

Tgt Ion:	75	Resp:	718
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.5#
77	0.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.674 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.097 min

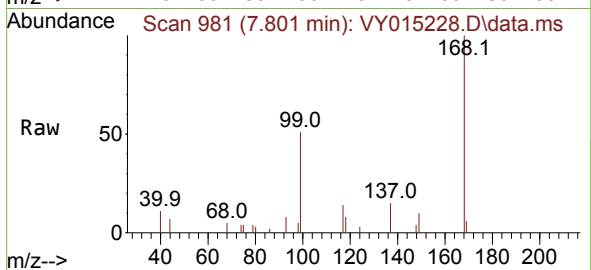
Lab File: VY015228.D

Acq: 21 Aug 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :



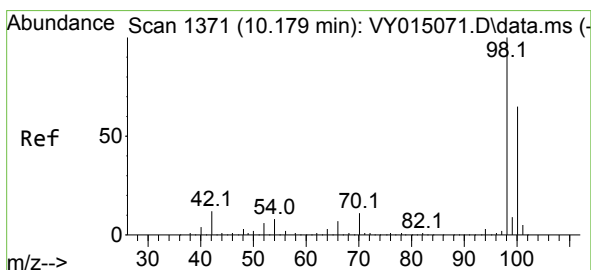
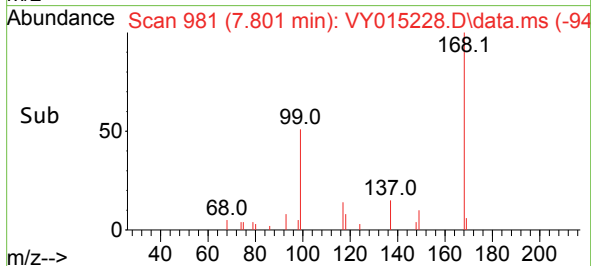
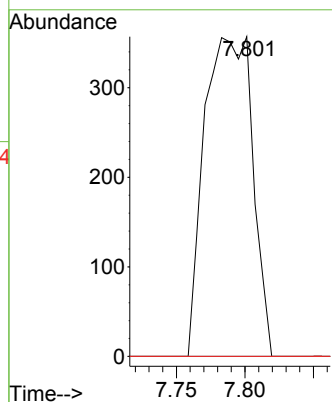
Tgt Ion:117 Resp: 871

Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 49.356 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015228.D

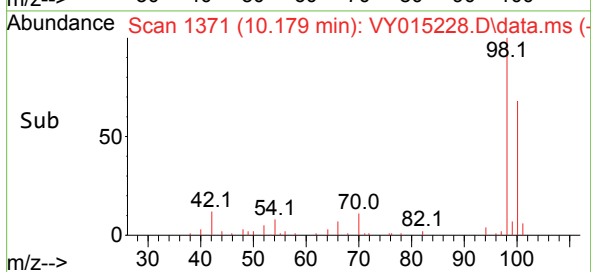
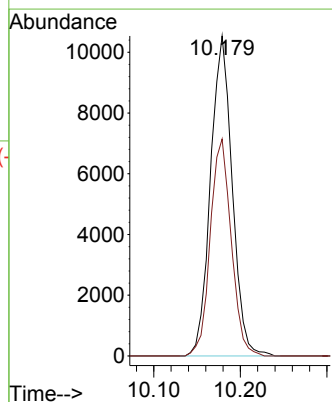
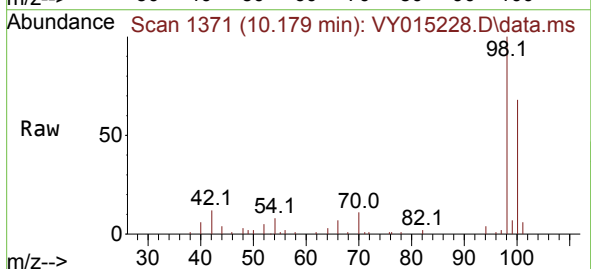
Acq: 21 Aug 2023 19:19

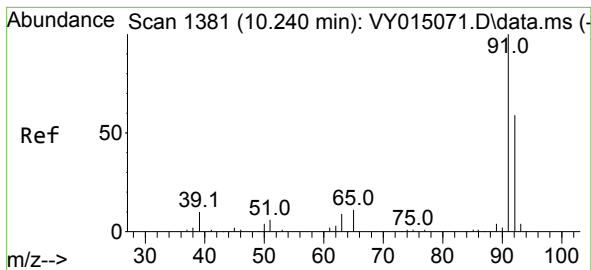
Tgt Ion: 98 Resp: 18313

Ion Ratio Lower Upper

98 100

100 65.5 50.1 75.1





#52

Toluene

Concen: 11.691 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VY015228.D

Acq: 21 Aug 2023 19:19

Instrument :

MSVOA_Y

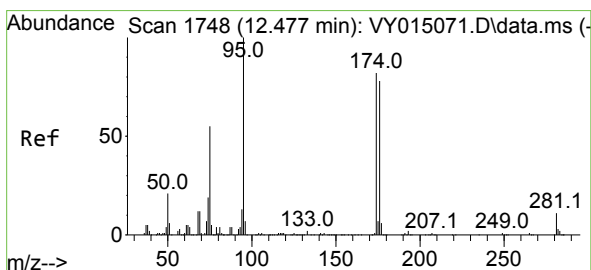
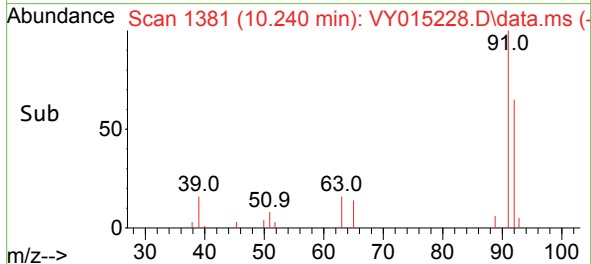
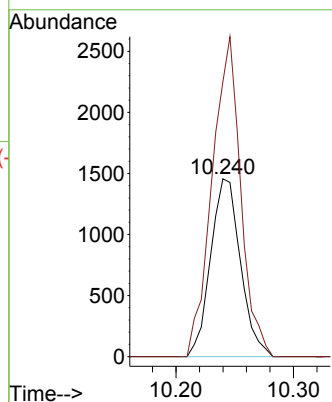
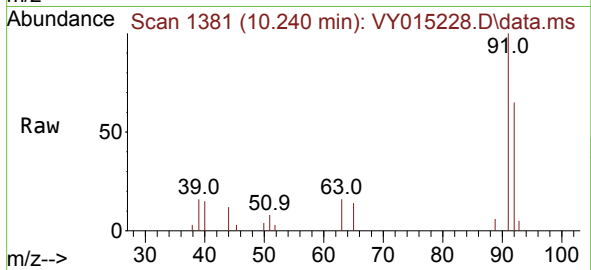
ClientSampleId :

Tgt Ion: 92 Resp: 2569

Ion Ratio Lower Upper

92 100

91 172.5 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 48.030 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015228.D

Acq: 21 Aug 2023 19:19

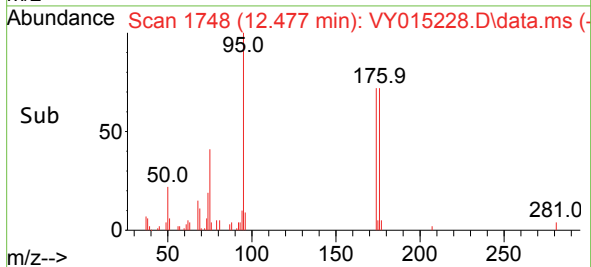
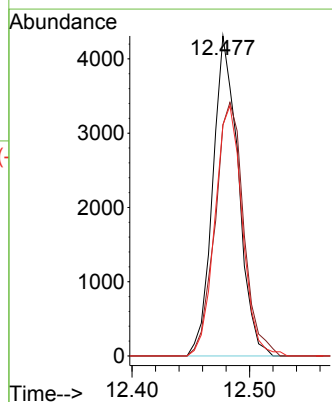
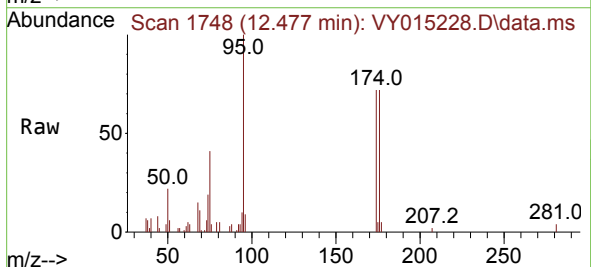
Tgt Ion: 95 Resp: 6509

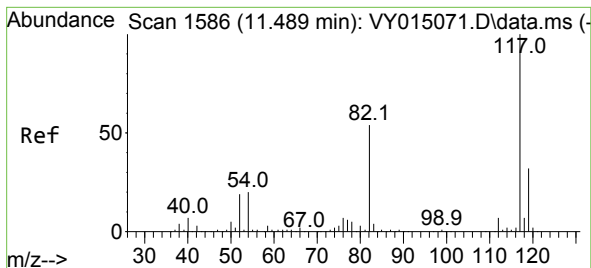
Ion Ratio Lower Upper

95 100

174 88.5 0.0 178.2

176 83.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY015228.D

Acq: 21 Aug 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :

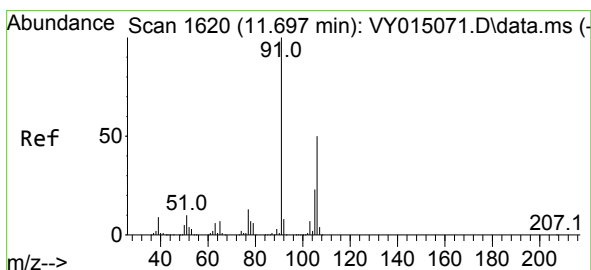
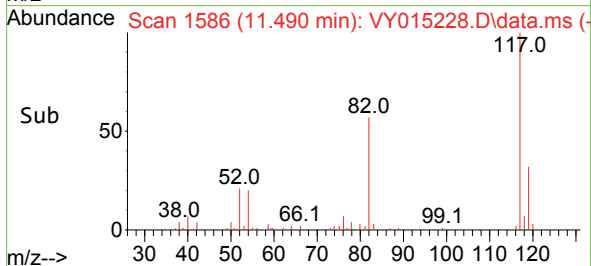
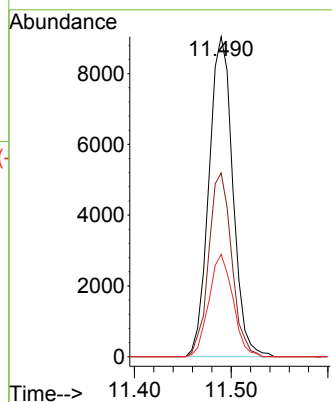
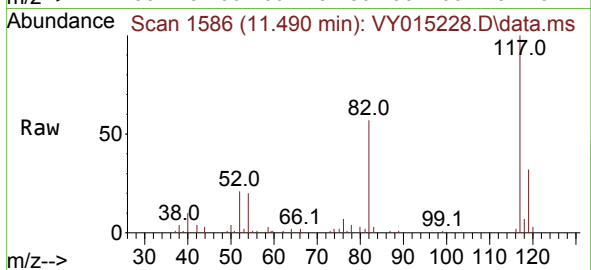
Tgt Ion:117 Resp: 15503

Ion Ratio Lower Upper

117 100

82 57.4 43.4 65.0

119 32.0 26.3 39.5



#68

m/p-Xylenes

Concen: 1.798 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VY015228.D

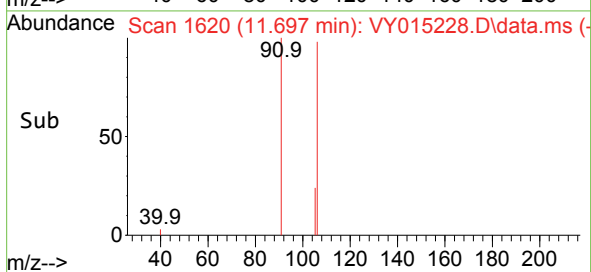
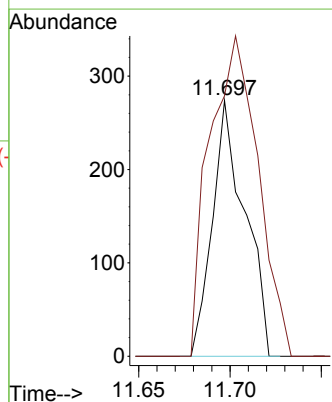
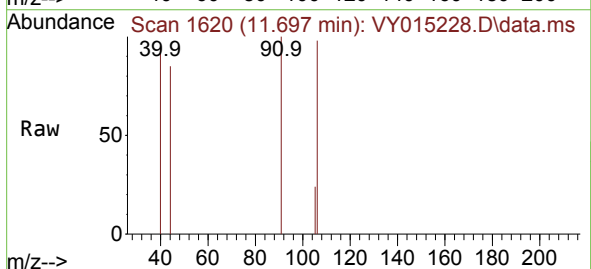
Acq: 21 Aug 2023 19:19

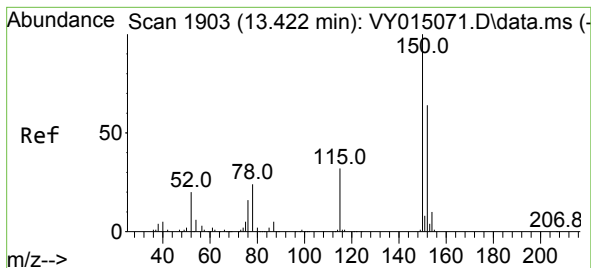
Tgt Ion:106 Resp: 338

Ion Ratio Lower Upper

106 100

91 187.3 166.1 249.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015228.D

Acq: 21 Aug 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :

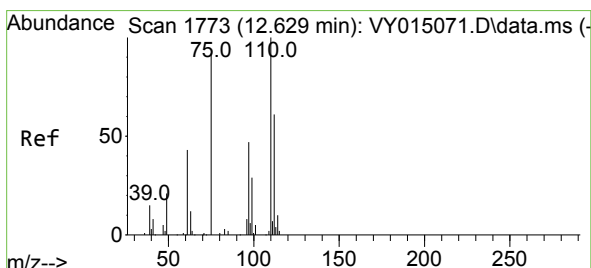
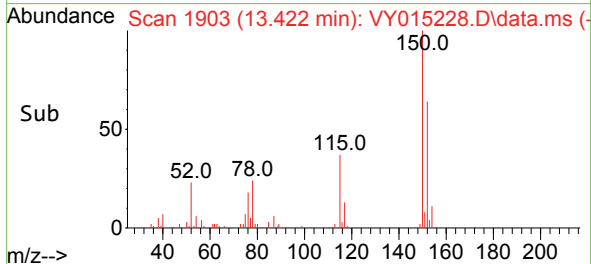
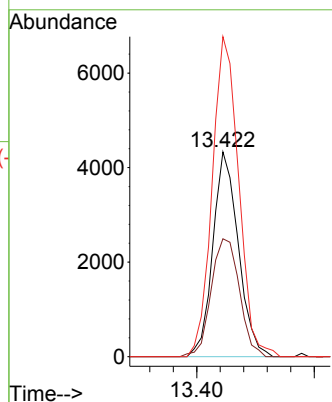
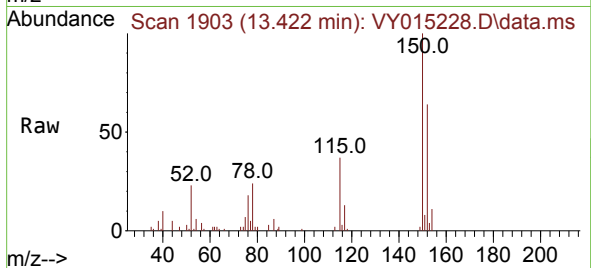
Tgt Ion:152 Resp: 6526

Ion Ratio Lower Upper

152 100

115 63.8 28.8 86.5

150 162.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 42.958 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015228.D

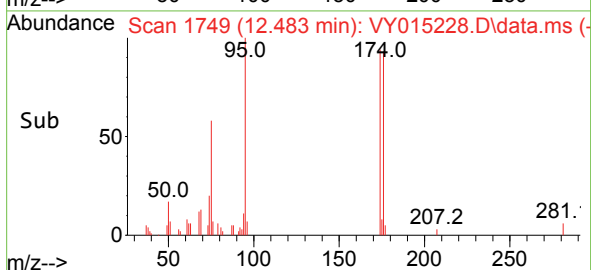
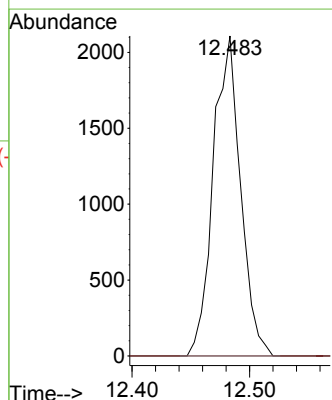
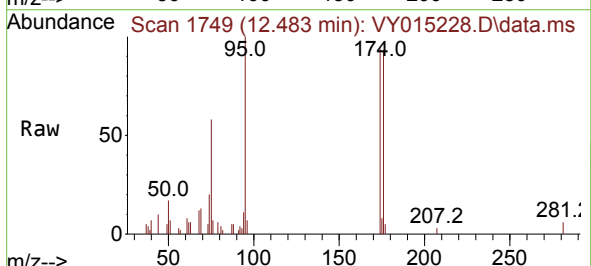
Acq: 21 Aug 2023 19:19

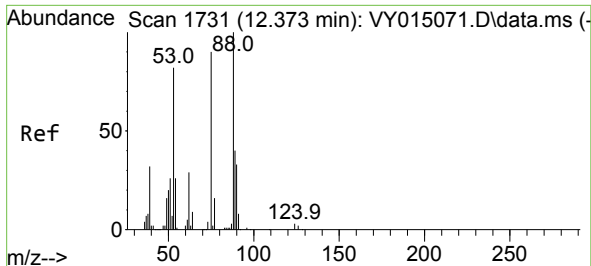
Tgt Ion: 75 Resp: 3406

Ion Ratio Lower Upper

75 100

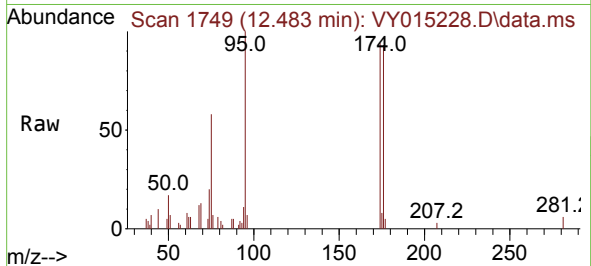
77 0.0 0.0 0.0



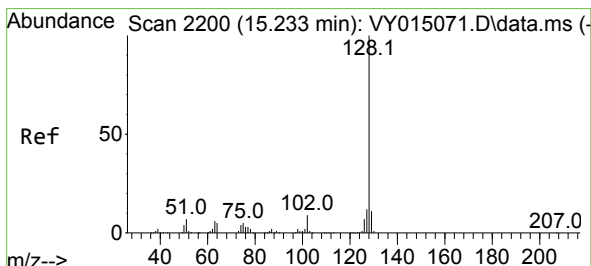
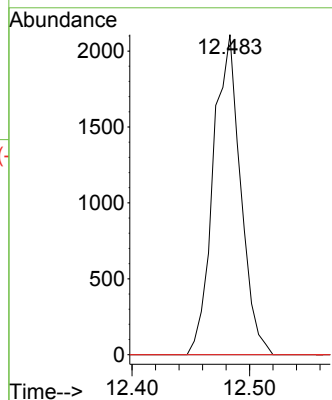
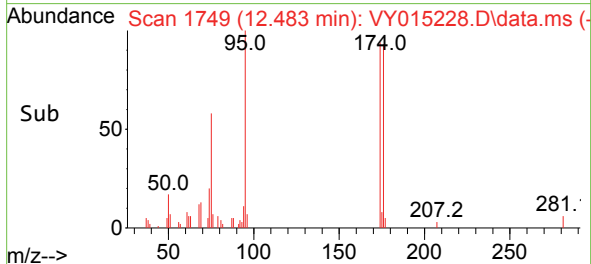


#81
trans-1,4-Dichloro-2-butene
Concen: 94.357 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015228.D
Acq: 21 Aug 2023 19:19

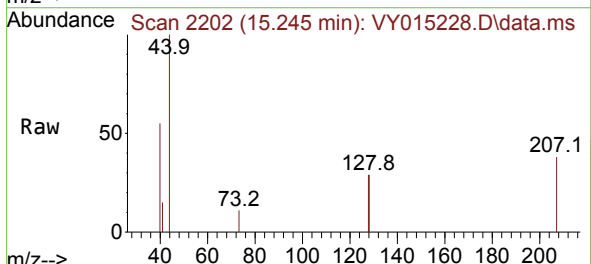
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 3406
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 1.178 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.012 min
Lab File: VY015228.D
Acq: 21 Aug 2023 19:19



Tgt Ion: 128 Resp: 357
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

