

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092723\
 Data File : VY015724.D
 Acq On : 27 Sep 2023 14:58
 Operator : SY/MD
 Sample : 04621-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 28 00:45:58 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)

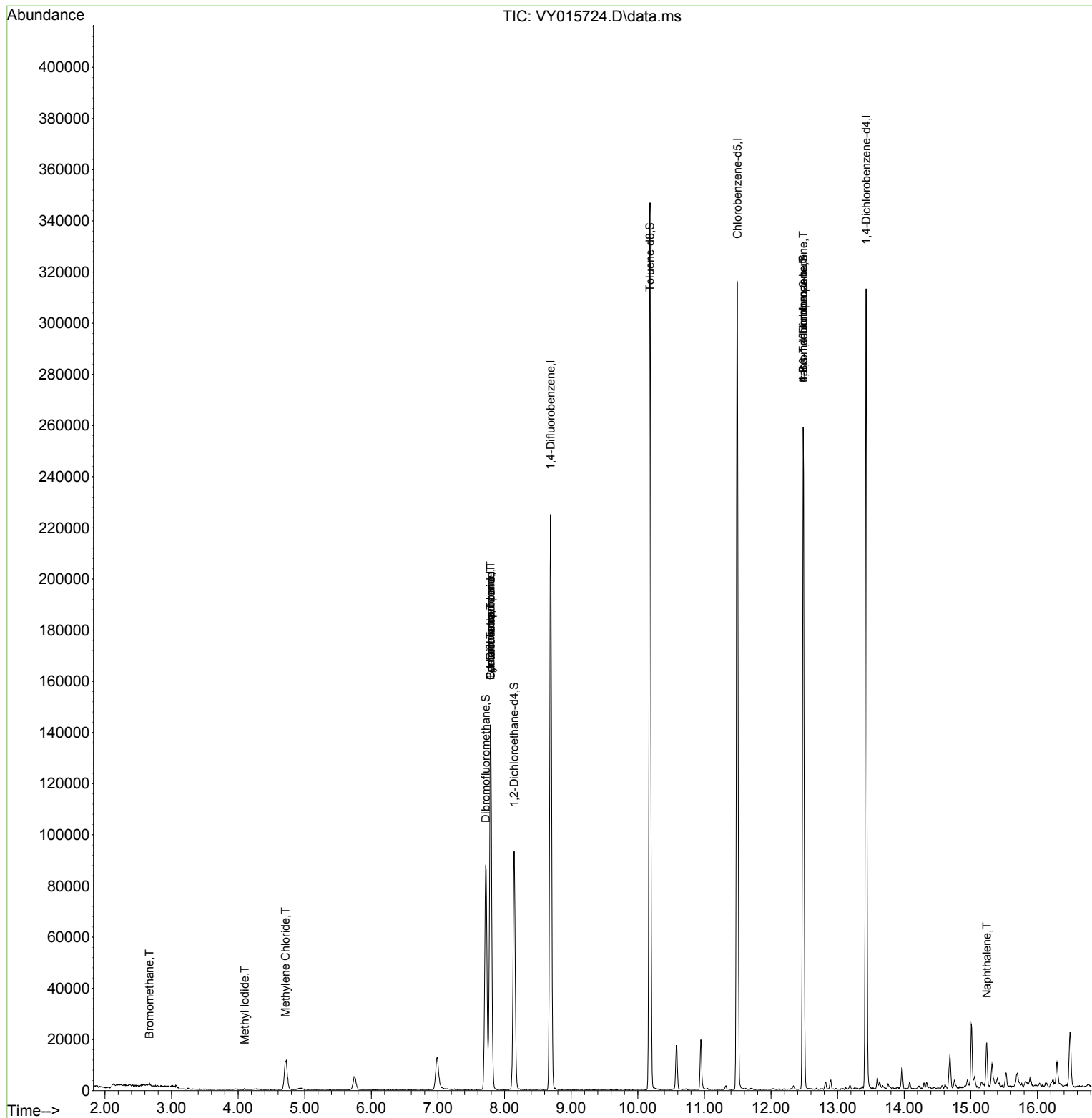
Internal Standards						
1) Pentafluorobenzene	7.789	168	111854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	195289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	176065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	72741	59.105	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.220%	
35) Dibromofluoromethane	7.716	113	62300	53.299	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.600%	
50) Toluene-d8	10.185	98	229053	57.795	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.580%	
62) 4-Bromofluorobenzene	12.483	95	75200	48.351	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.700%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	280	2.808	ug/l #	79
10) Methyl Iodide	4.101	142	248	2.907	ug/l #	48
11) Tert butyl alcohol	4.973	59	133	Below Cal	#	89
20) Methylene Chloride	4.710	84	8969	1.526	ug/l #	83
31) Cyclohexane	7.789	56	2166	1.270	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	8830	5.109	ug/l #	50
38) Carbon Tetrachloride	7.789	117	10936	5.829	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	40437	32.307	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	40437	72.753	ug/l #	11
95) Naphthalene	15.239	128	4463	1.028	ug/l #	94

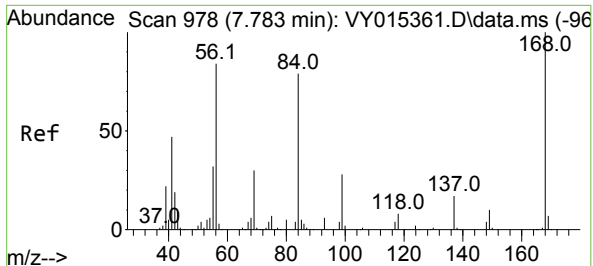
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

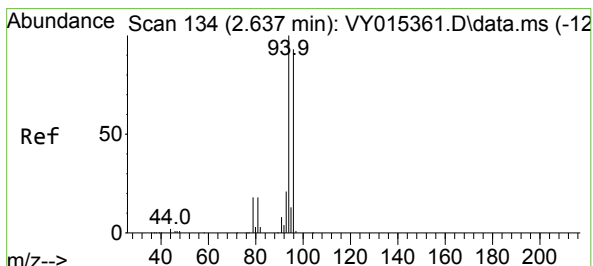
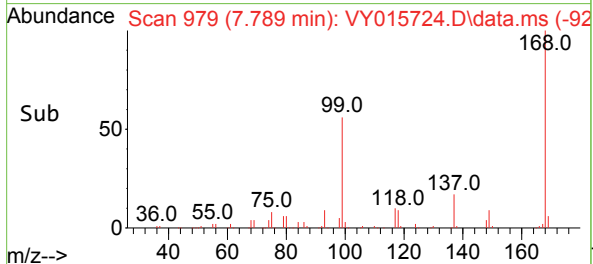
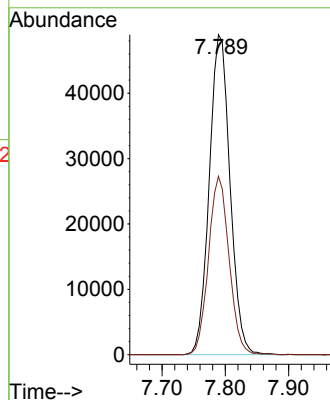
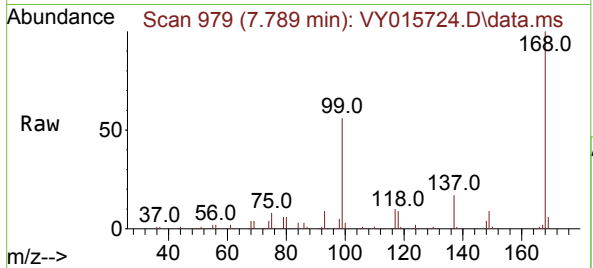




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015724.D
Acq: 27 Sep 2023 14:58

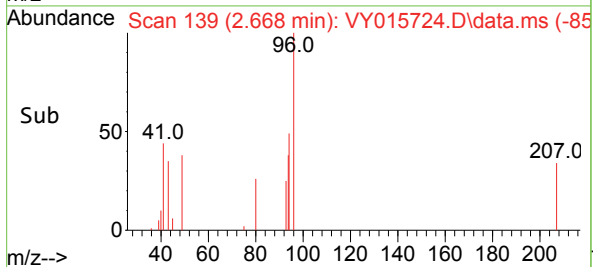
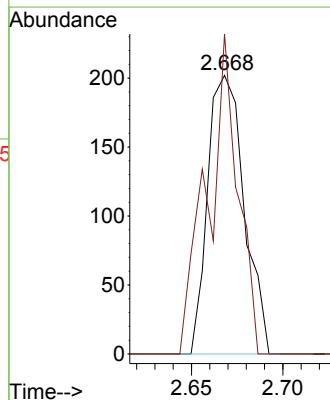
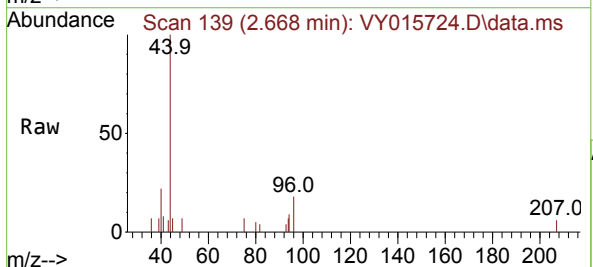
Instrument :
MSVOA_Y
ClientSampleId :

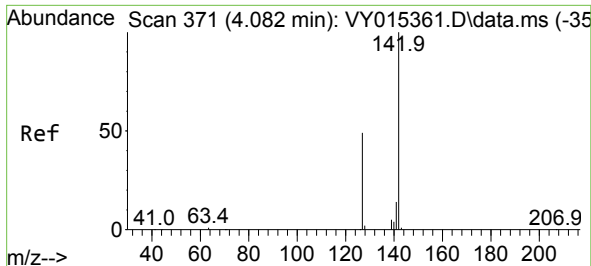
Tgt Ion:168 Resp: 111854
Ion Ratio Lower Upper
168 100
99 55.8 43.4 65.0



#5
Bromomethane
Concen: 2.808 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.031 min
Lab File: VY015724.D
Acq: 27 Sep 2023 14:58

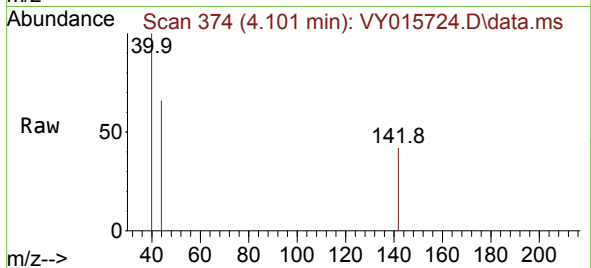
Tgt Ion: 94 Resp: 280
Ion Ratio Lower Upper
94 100
96 114.9 75.8 113.6#



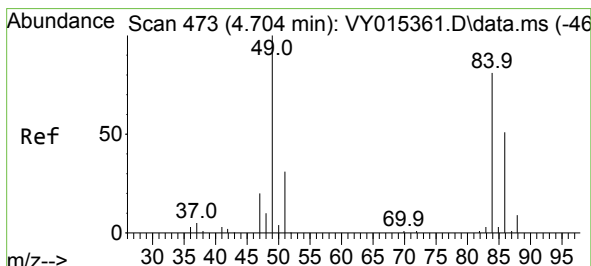
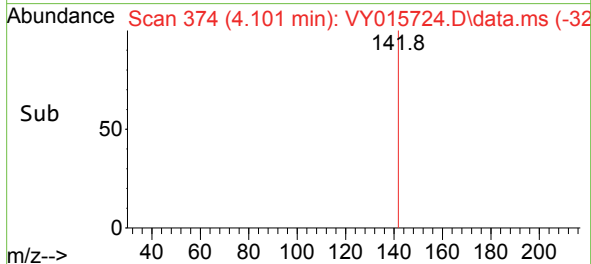
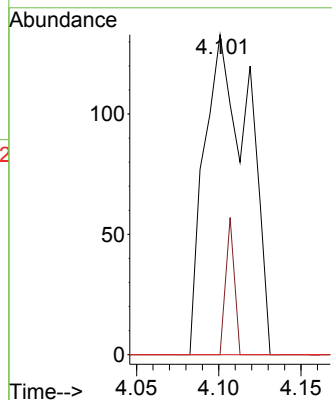


#10
Methyl Iodide
Concen: 2.907 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY015724.D
Acq: 27 Sep 2023 14:58

Instrument :
MSVOA_Y
ClientSampleId :

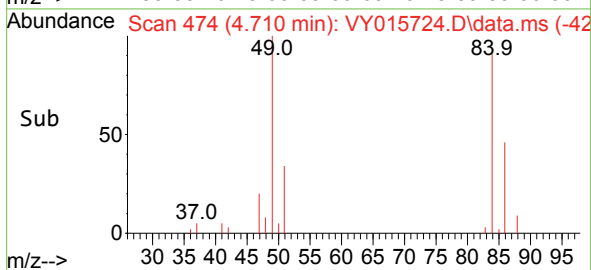
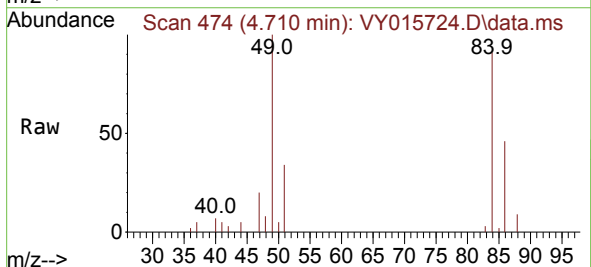
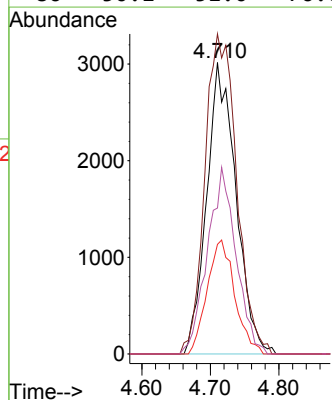


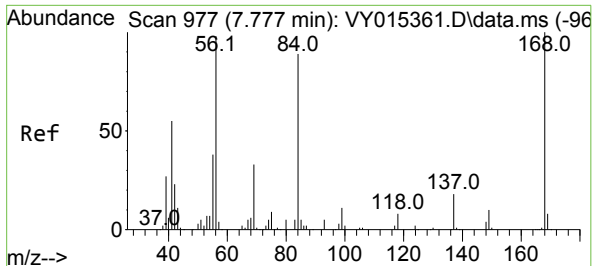
Tgt Ion:142 Resp: 248
Ion Ratio Lower Upper
142 100
127 8.5 37.6 56.4#
141 0.0 11.8 17.8#



#20
Methylene Chloride
Concen: 1.526 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY015724.D
Acq: 27 Sep 2023 14:58

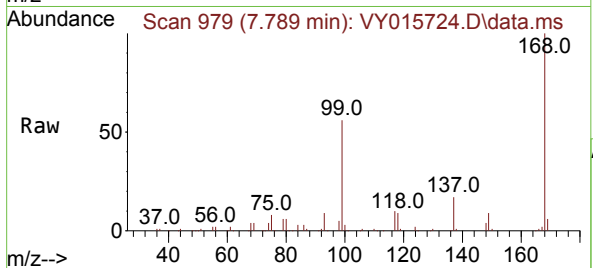
Tgt Ion: 84 Resp: 8969
Ion Ratio Lower Upper
84 100
49 109.9 106.9 160.3
51 37.6 33.2 49.8
86 50.1 51.0 76.6#



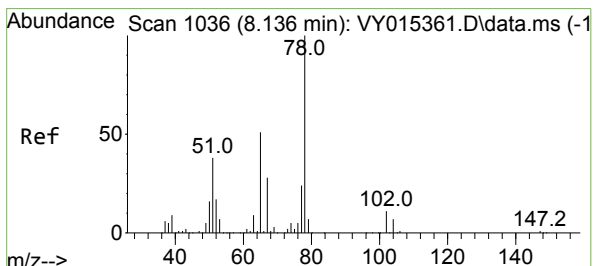
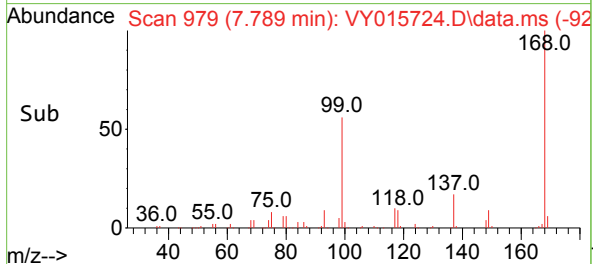
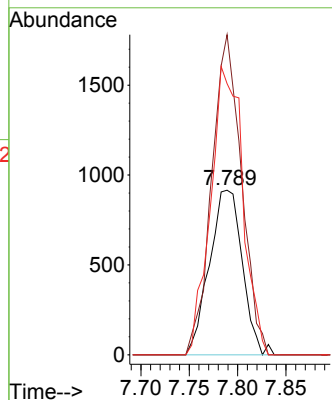


#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015724.D
Acq: 27 Sep 2023 14:58

Instrument :
MSVOA_Y
ClientSampleId :

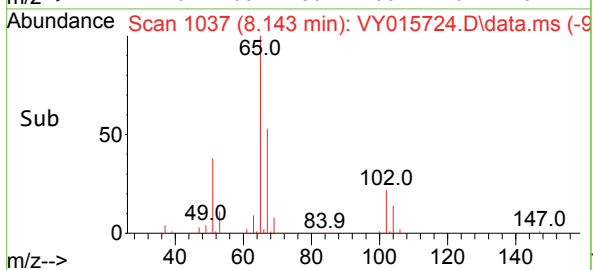
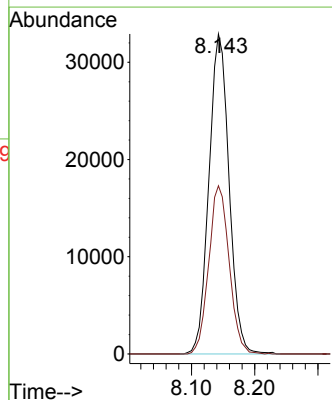
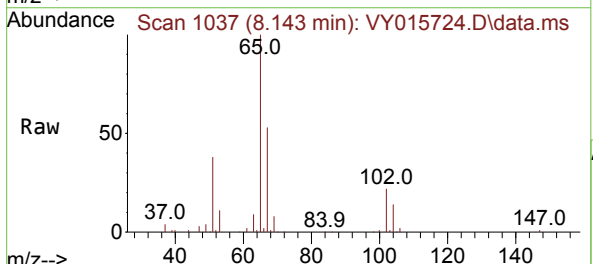


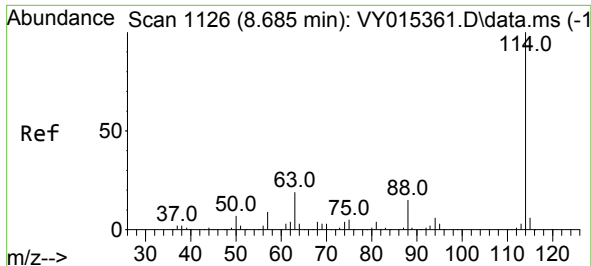
Tgt Ion: 56 Resp: 2166
Ion Ratio Lower Upper
56 100
69 194.4 27.8 41.6#
84 164.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 59.105 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY015724.D
Acq: 27 Sep 2023 14:58

Tgt Ion: 65 Resp: 72741
Ion Ratio Lower Upper
65 100
67 53.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015724.D

Acq: 27 Sep 2023 14:58

Instrument :

MSVOA_Y

ClientSampleId :

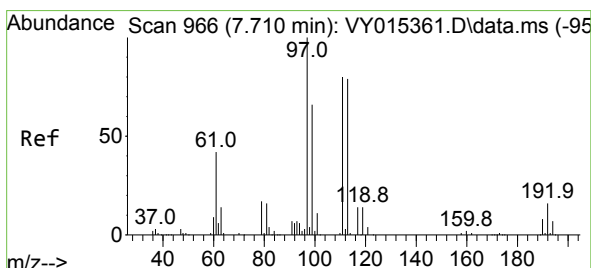
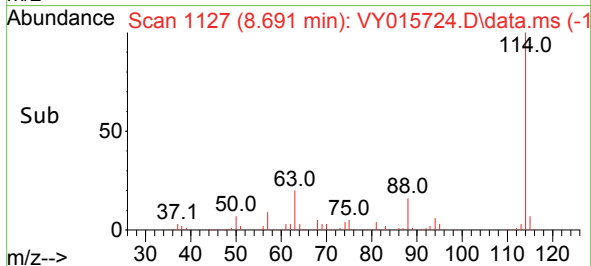
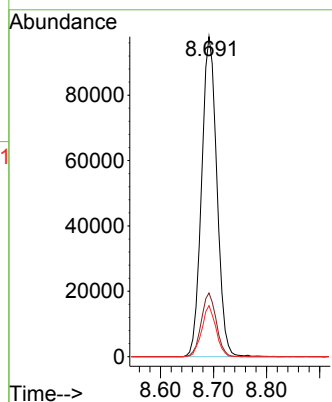
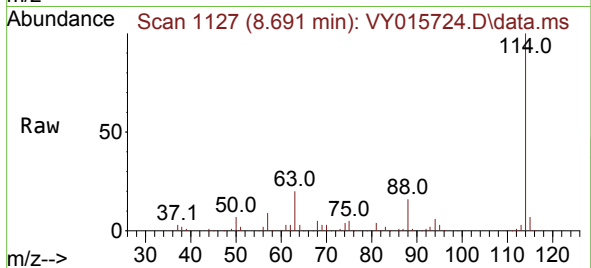
Tgt Ion:114 Resp: 195289

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.299 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015724.D

Acq: 27 Sep 2023 14:58

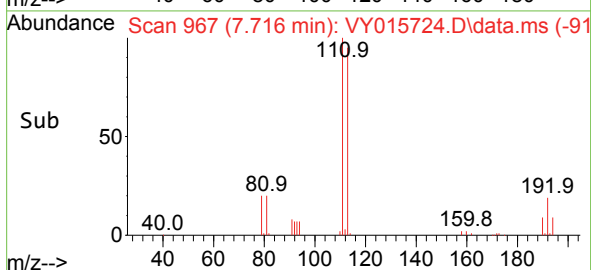
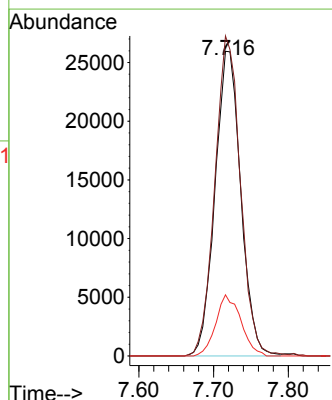
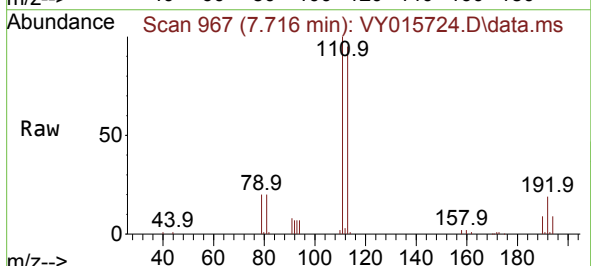
Tgt Ion:113 Resp: 62300

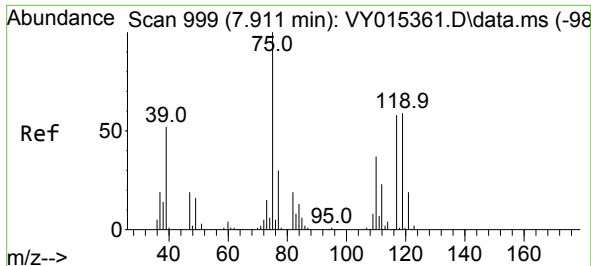
Ion Ratio Lower Upper

113 100

111 104.1 81.3 121.9

192 19.6 16.9 25.3

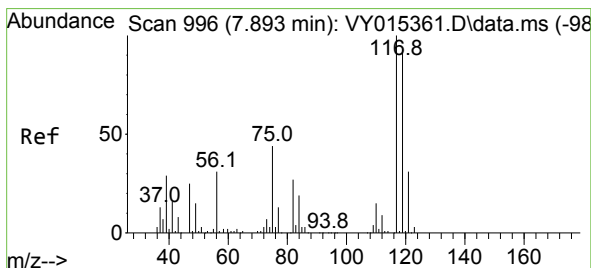
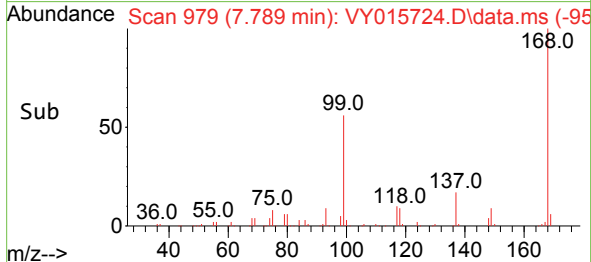
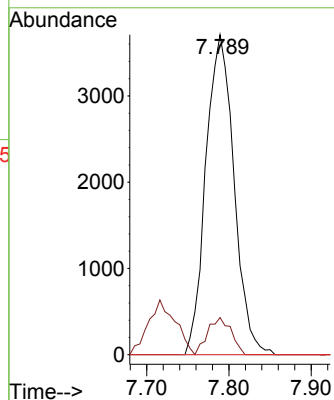
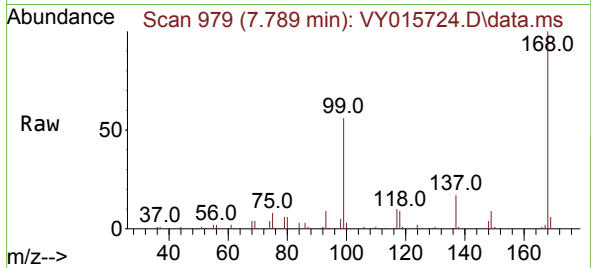




#36
 1,1-Dichloropropene
 Concen: 5.109 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY015724.D
 Acq: 27 Sep 2023 14:58

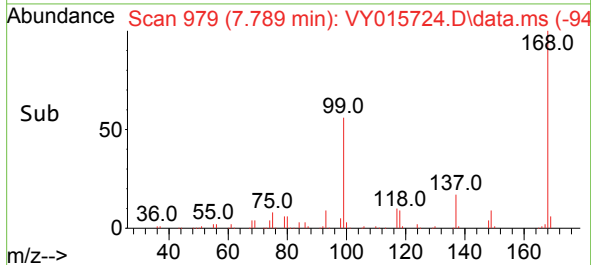
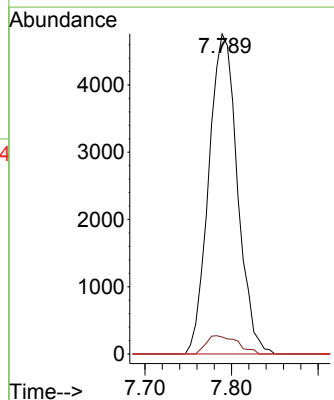
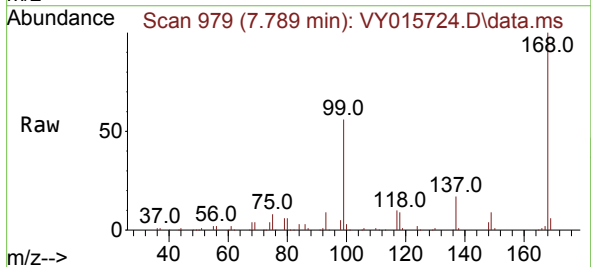
Instrument :
 MSVOA_Y
 ClientSampleId :

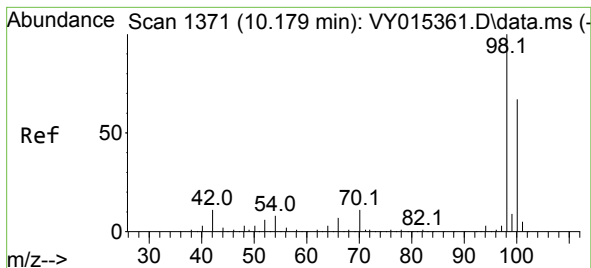
Tgt Ion: 75 Resp: 8830
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.829 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.104 min
 Lab File: VY015724.D
 Acq: 27 Sep 2023 14:58

Tgt Ion: 117 Resp: 10936
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.4 114.6#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 57.795 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015724.D

Acq: 27 Sep 2023 14:58

Instrument :

MSVOA_Y

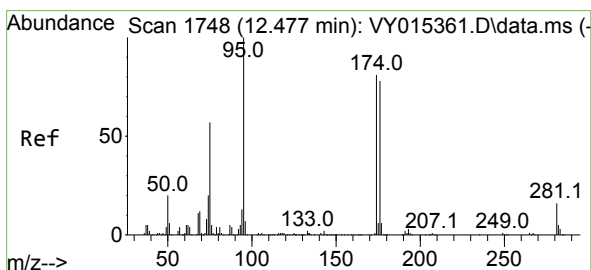
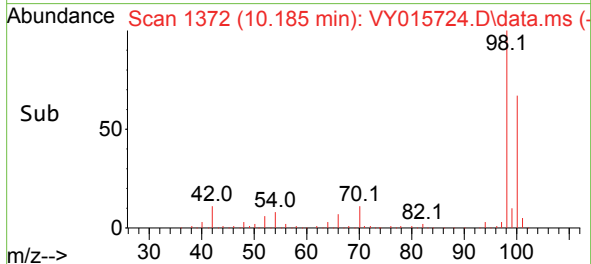
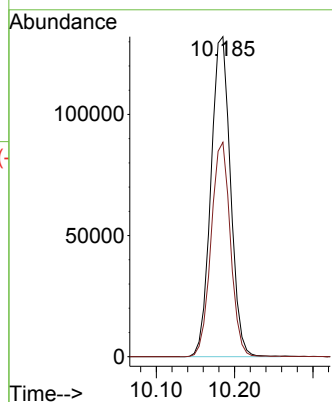
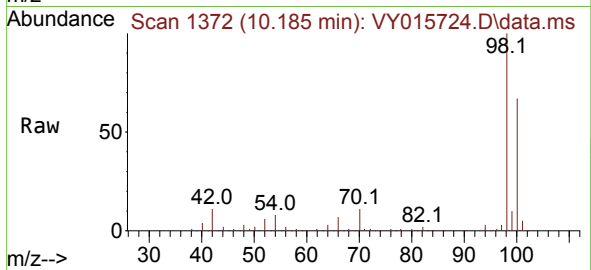
ClientSampleId :

Tgt Ion: 98 Resp: 229053

Ion Ratio Lower Upper

98 100

100 66.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 48.351 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015724.D

Acq: 27 Sep 2023 14:58

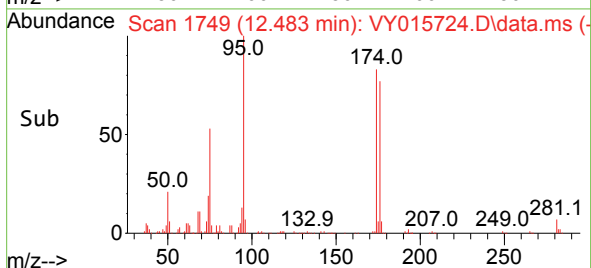
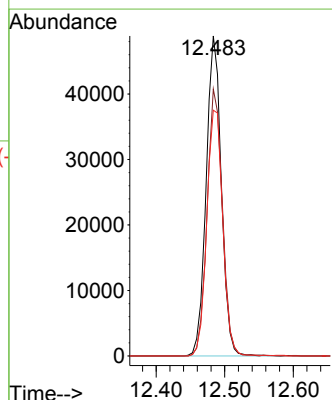
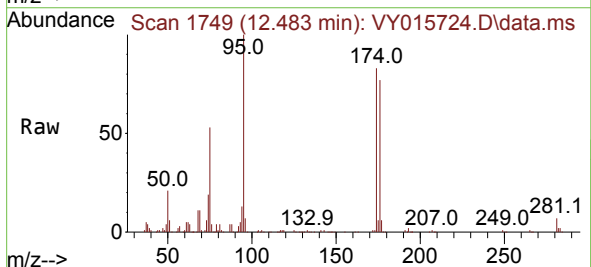
Tgt Ion: 95 Resp: 75200

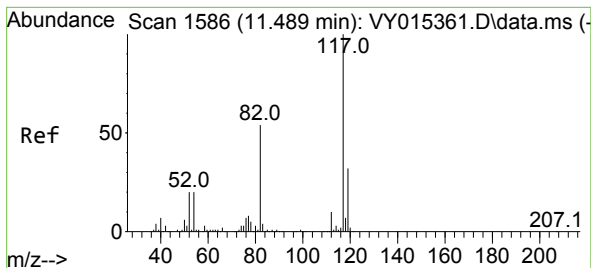
Ion Ratio Lower Upper

95 100

174 84.2 0.0 178.2

176 81.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

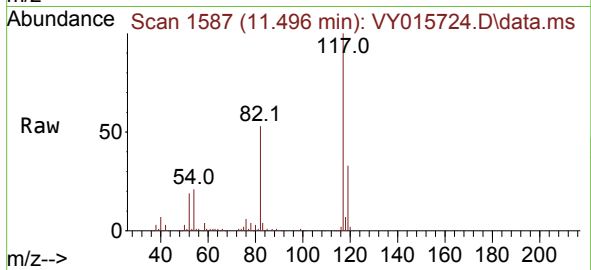
Lab File: VY015724.D

Acq: 27 Sep 2023 14:58

Instrument :

MSVOA_Y

ClientSampleId :



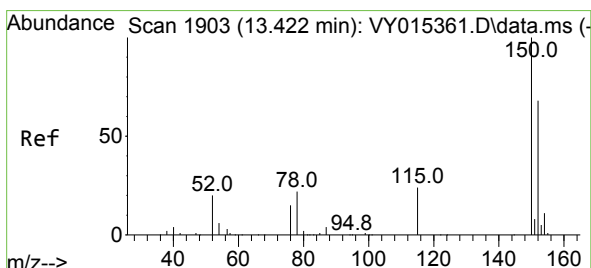
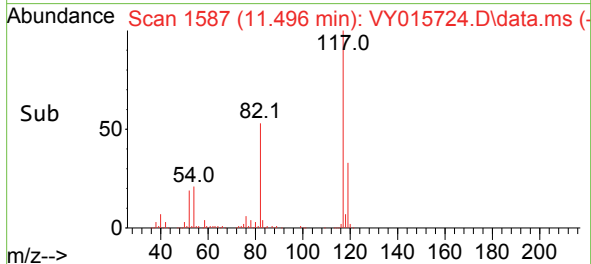
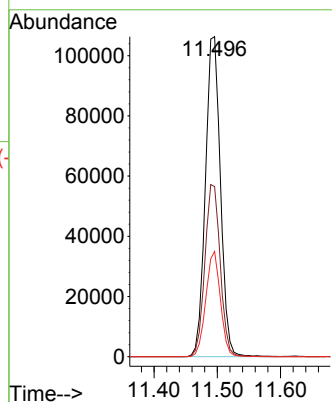
Tgt Ion:117 Resp: 176065

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 32.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015724.D

Acq: 27 Sep 2023 14:58

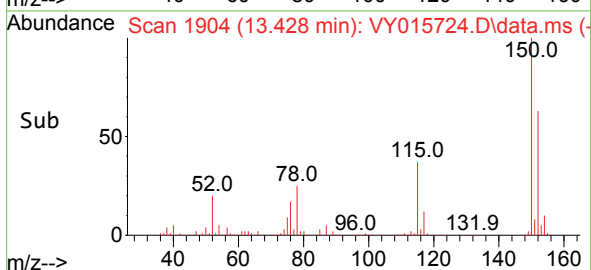
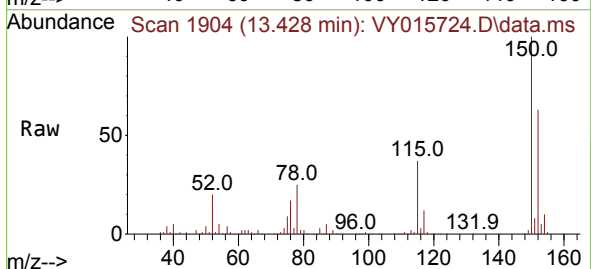
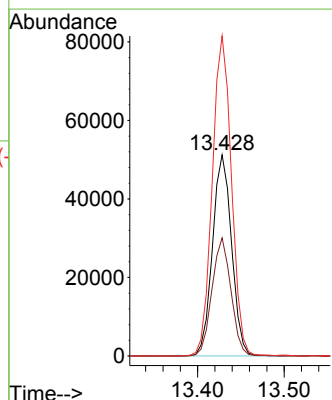
Tgt Ion:152 Resp: 78456

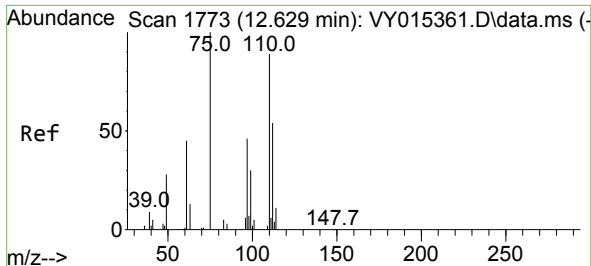
Ion Ratio Lower Upper

152 100

115 58.5 28.8 86.5

150 159.8 0.0 348.8

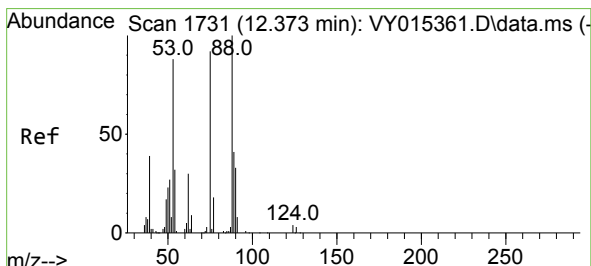
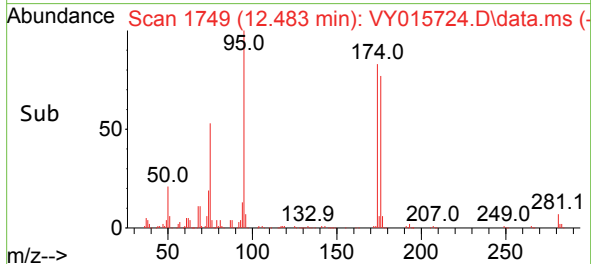
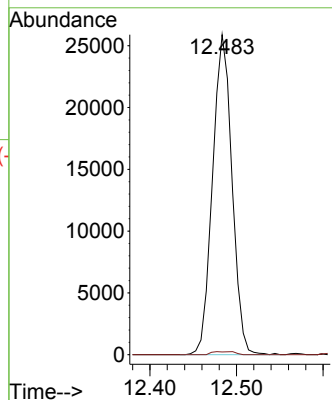
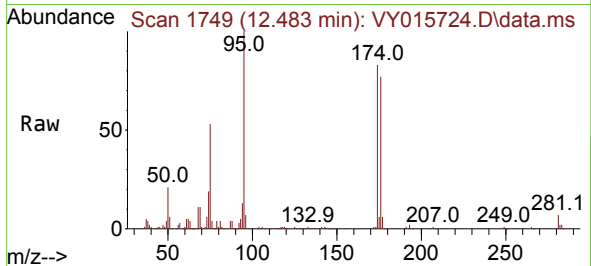




#76
1,2,3-Trichloropropane
Concen: 32.307 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015724.D
Acq: 27 Sep 2023 14:58

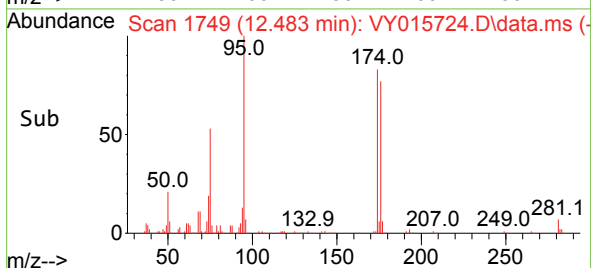
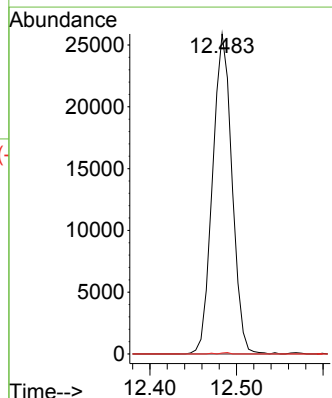
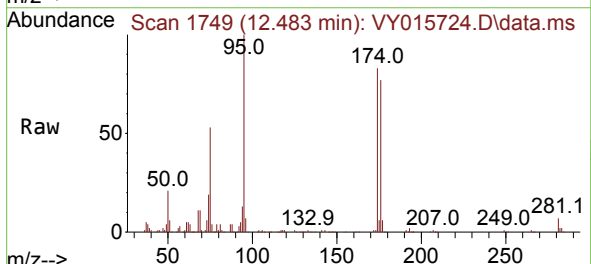
Instrument :
MSVOA_Y
ClientSampleId :

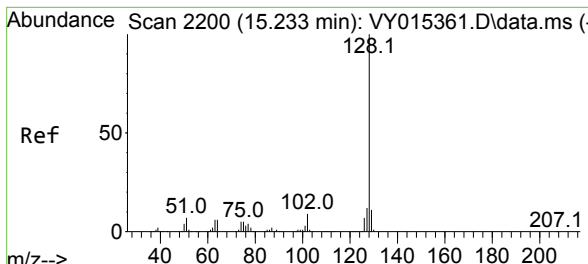
Tgt Ion: 75 Resp: 40437
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.753 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY015724.D
Acq: 27 Sep 2023 14:58

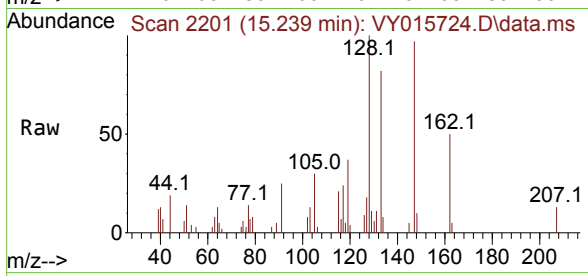
Tgt Ion: 75 Resp: 40437
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#





#95
 Naphthalene
 Concen: 1.028 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY015724.D
 Acq: 27 Sep 2023 14:58

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	4463
Ion Ratio	Lower	Upper	
128	100		
127	16.0	10.8	16.2
129	13.1	8.6	13.0

