

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022724\
 Data File : VY017493.D
 Acq On : 27 Feb 2024 13:53
 Operator : SY/MD
 Sample : P1602-04
 Misc : 3.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2

Quant Time: Feb 28 00:15:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	131645	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	231229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	204697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	76549	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	62553	50.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.280%
35) Dibromofluoromethane	7.710	113	73629	45.696	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.400%
50) Toluene-d8	10.179	98	261087	46.344	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.680%
62) 4-Bromofluorobenzene	12.483	95	70335	39.726	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.460%

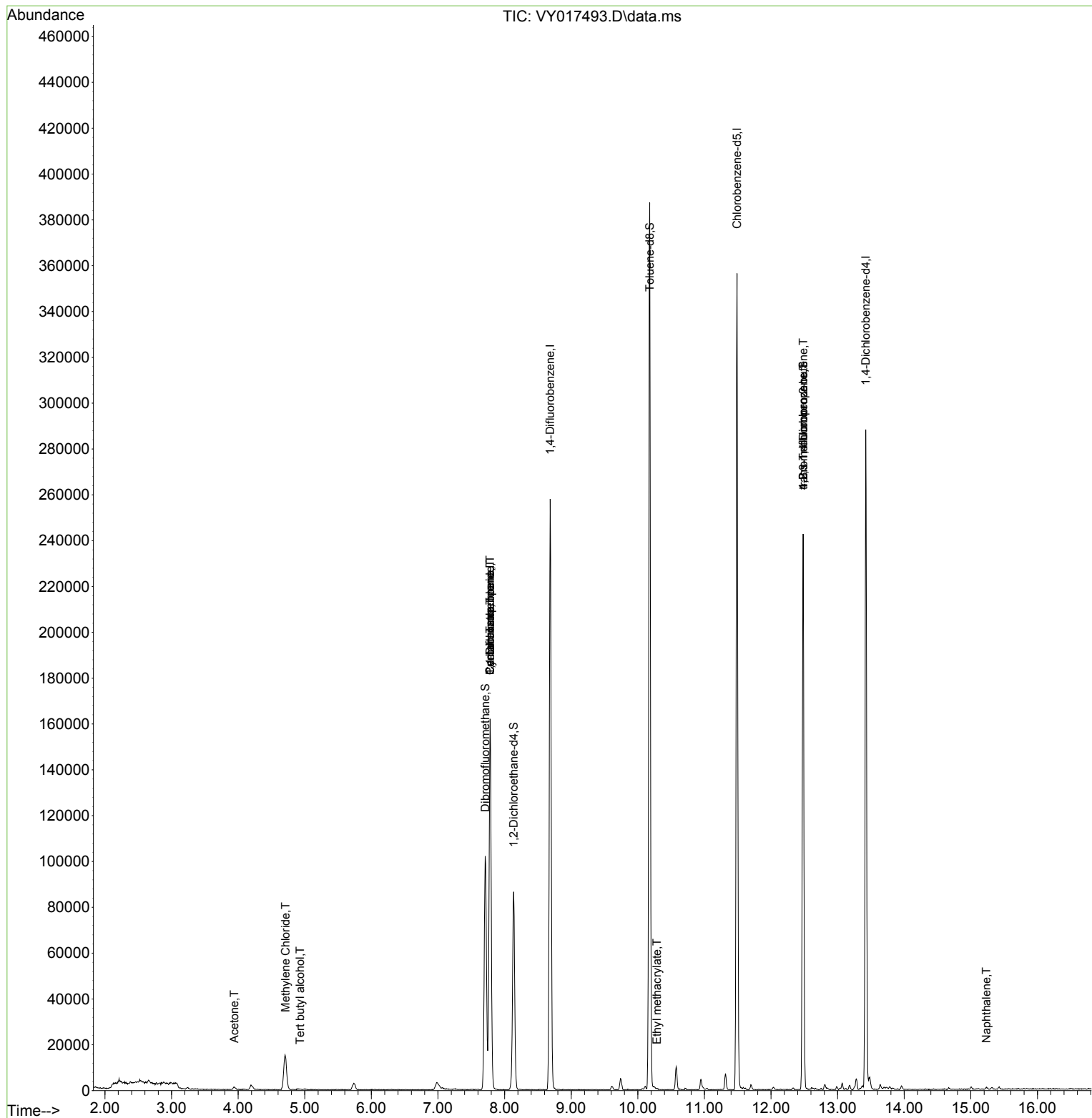
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.930	59	298	2.812	ug/l #	88
16) Acetone	3.942	43	2004	8.281	ug/l #	77
20) Methylene Chloride	4.710	84	12644	3.836	ug/l	94
31) Cyclohexane	7.783	56	2356	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	9217	4.240	ug/l #	49
38) Carbon Tetrachloride	7.783	117	11920	5.471	ug/l #	16
56) Ethyl methacrylate	10.289	69	19	2.549	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	34610	47.585	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	34610	109.339	ug/l #	16
95) Naphthalene	15.233	128	1140	4.353	ug/l #	91

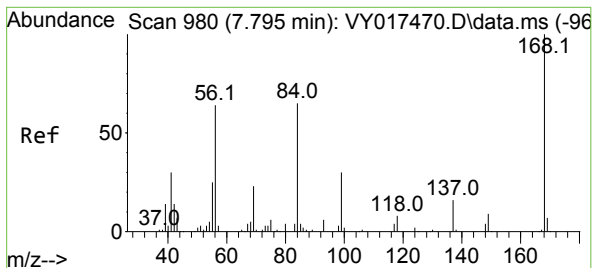
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 24 04:41:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY017493.D

Acq: 27 Feb 2024 13:53

Instrument :

MSVOA_Y

ClientSampleId :

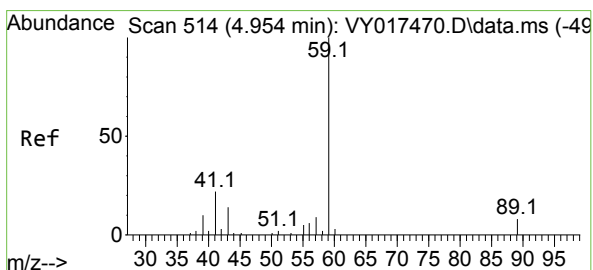
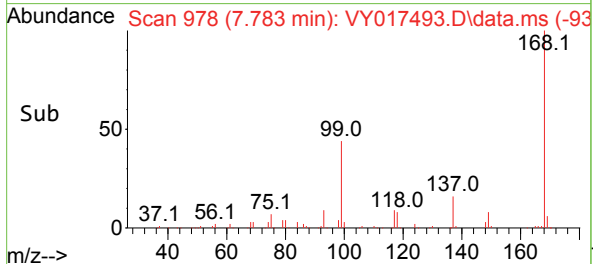
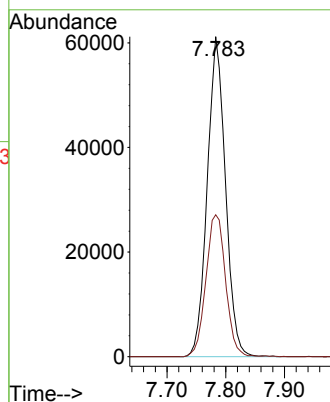
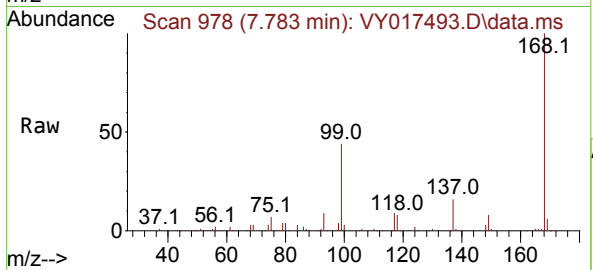
WC-2

Tgt Ion:168 Resp: 131645

Ion Ratio Lower Upper

168 100

99 44.3 39.1 58.7



#11

Tert butyl alcohol

Concen: 2.812 ug/l

RT: 4.930 min Scan# 510

Delta R.T. -0.024 min

Lab File: VY017493.D

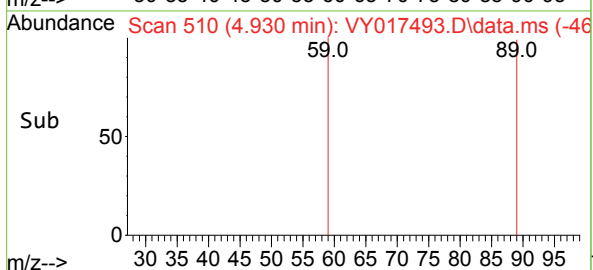
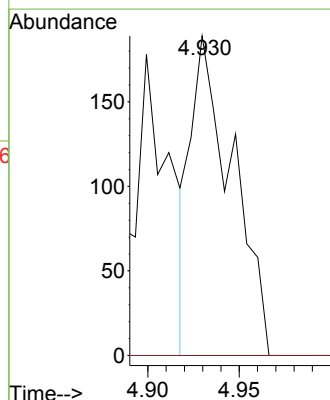
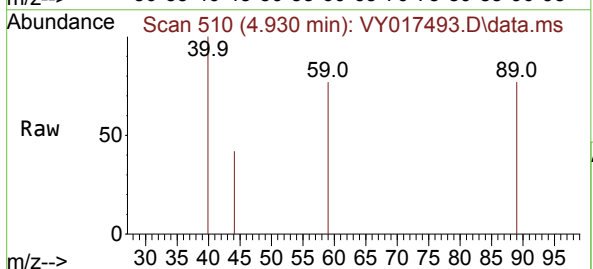
Acq: 27 Feb 2024 13:53

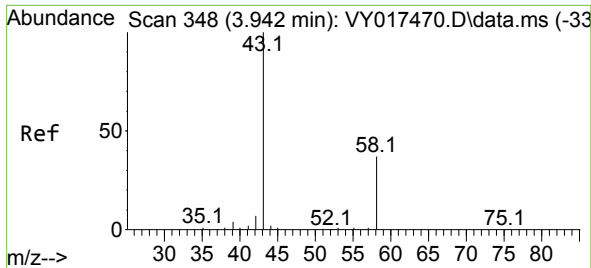
Tgt Ion: 59 Resp: 298

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#





#16

Acetone

Concen: 8.281 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY017493.D

Acq: 27 Feb 2024 13:53

Instrument :

MSVOA_Y

ClientSampleId :

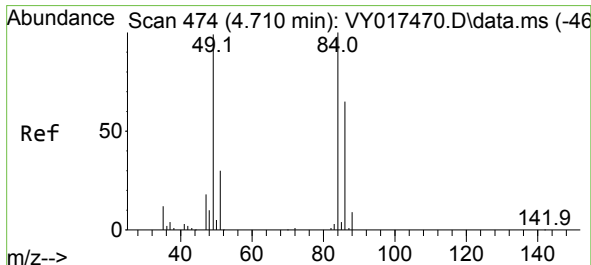
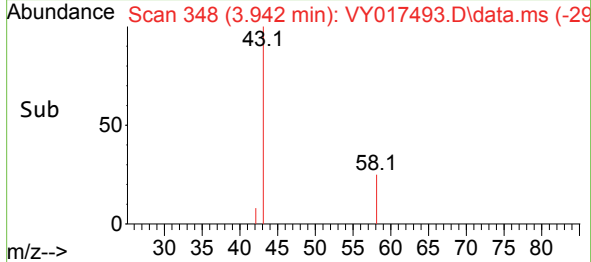
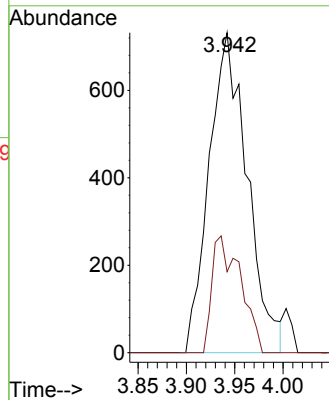
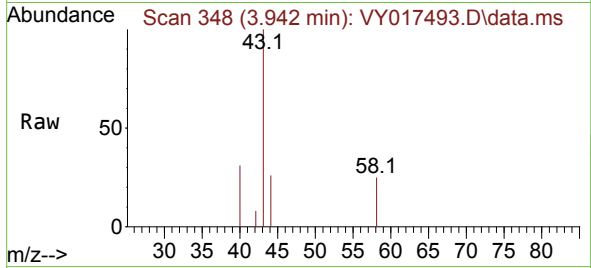
WC-2

Tgt Ion: 43 Resp: 2004

Ion Ratio Lower Upper

43 100

58 25.3 31.7 47.5#



#20

Methylene Chloride

Concen: 3.836 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY017493.D

Acq: 27 Feb 2024 13:53

Tgt Ion: 84 Resp: 12644

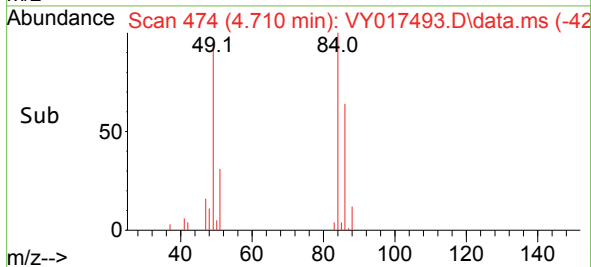
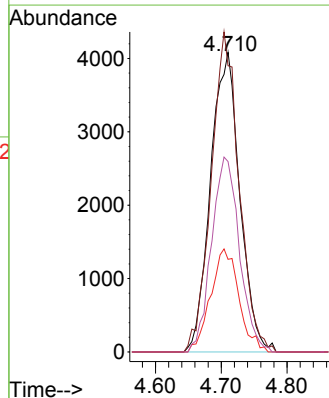
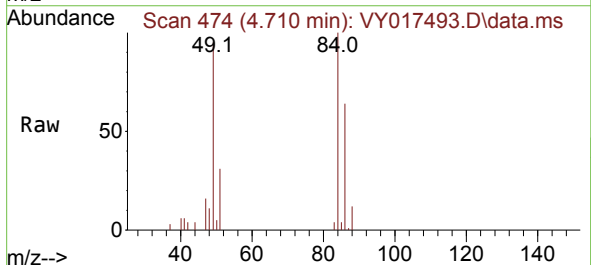
Ion Ratio Lower Upper

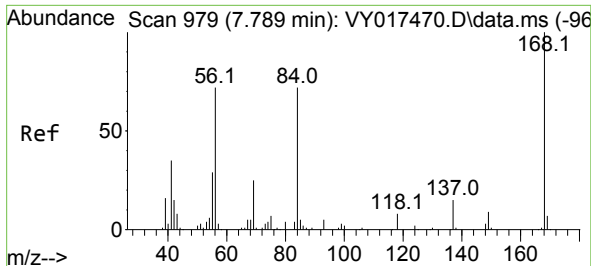
84 100

49 95.5 84.4 126.6

51 30.9 26.0 39.0

86 63.5 49.5 74.3

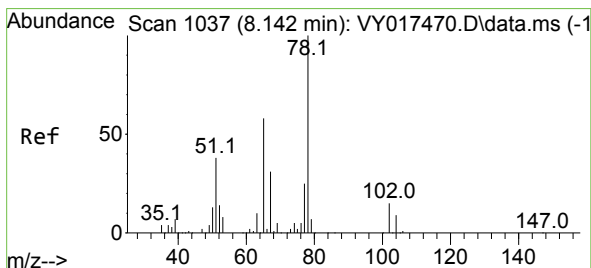
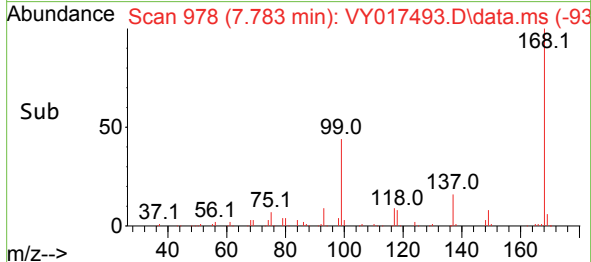
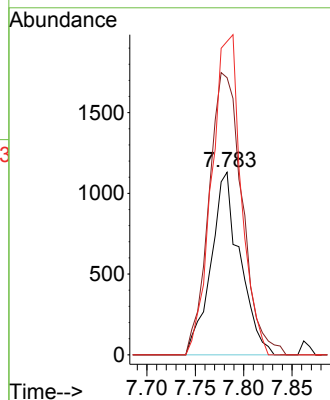
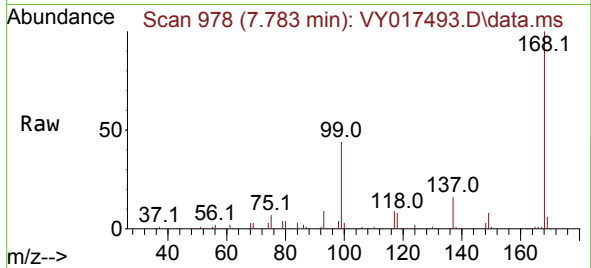




#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017493.D
Acq: 27 Feb 2024 13:53

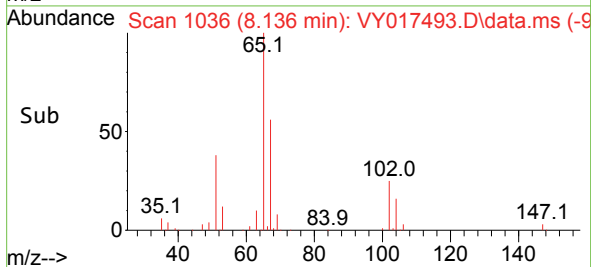
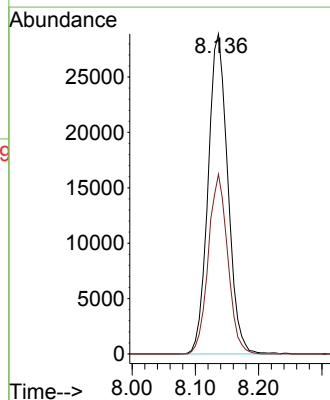
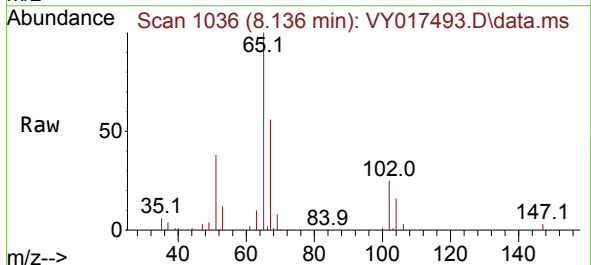
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

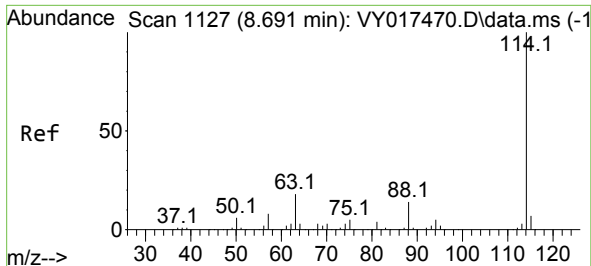
Tgt Ion: 56 Resp: 2356
Ion Ratio Lower Upper
56 100
69 151.7 28.7 43.1#
84 171.6 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 50.137 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY017493.D
Acq: 27 Feb 2024 13:53

Tgt Ion: 65 Resp: 62553
Ion Ratio Lower Upper
65 100
67 55.2 0.0 109.6

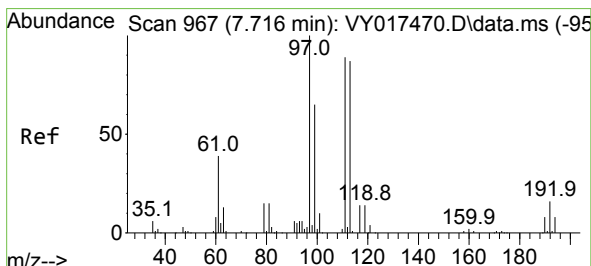
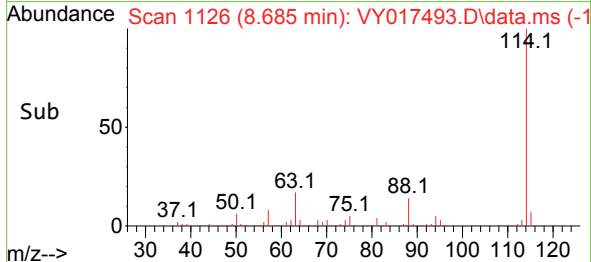
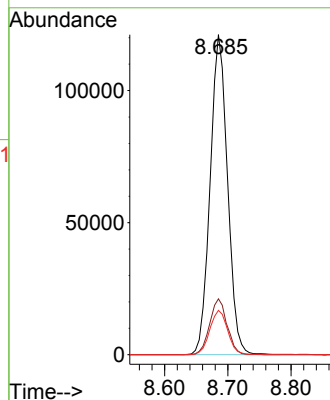
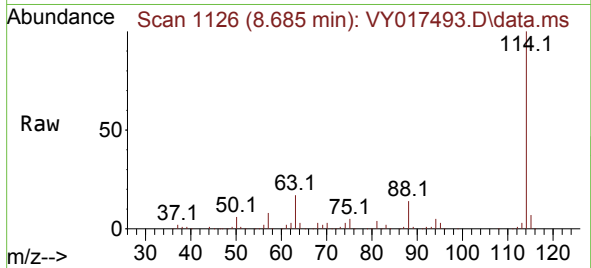




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY017493.D
Acq: 27 Feb 2024 13:53

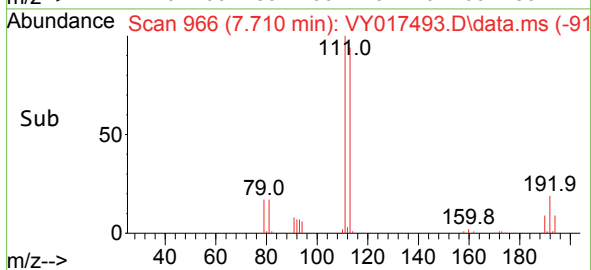
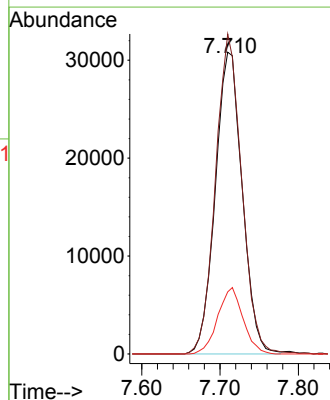
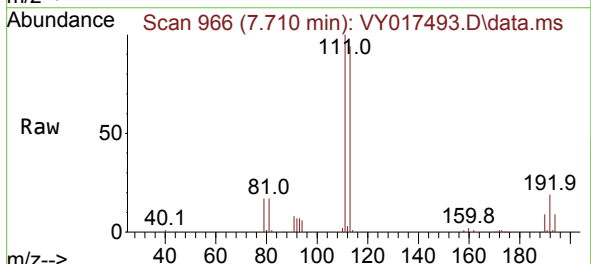
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

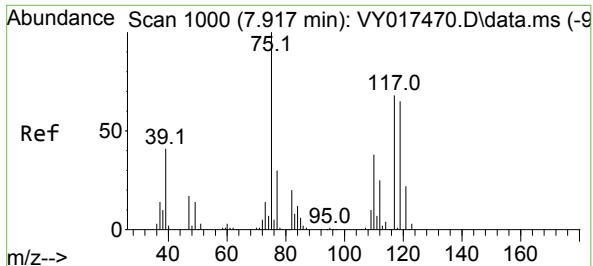
Tgt Ion:114 Resp: 231229
Ion Ratio Lower Upper
114 100
63 17.4 0.0 35.0
88 13.9 0.0 27.2



#35
Dibromofluoromethane
Concen: 45.696 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY017493.D
Acq: 27 Feb 2024 13:53

Tgt Ion:113 Resp: 73629
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 20.7 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.240 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY017493.D

Acq: 27 Feb 2024 13:53

Instrument :

MSVOA_Y

ClientSampleId :

WC-2

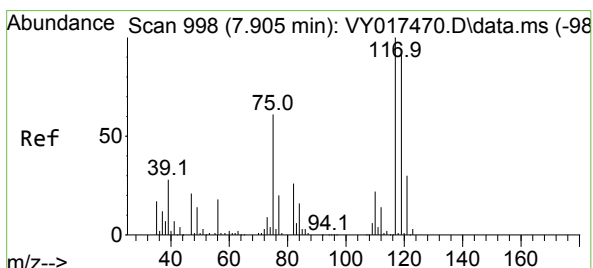
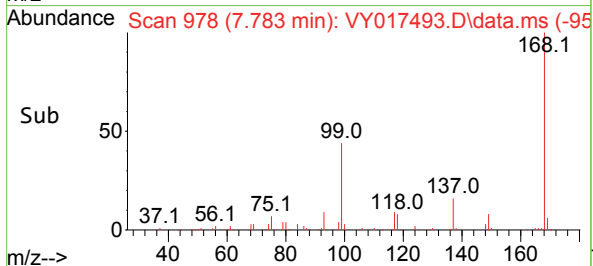
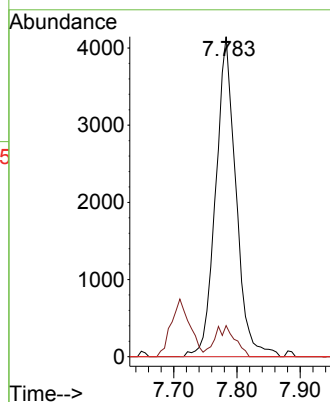
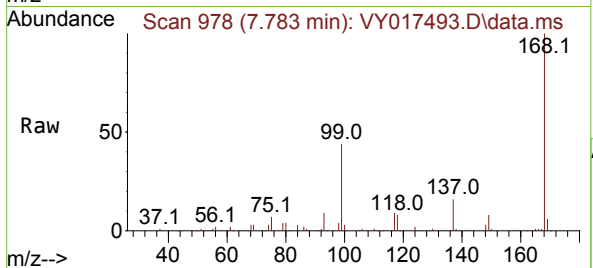
Tgt Ion: 75 Resp: 9217

Ion Ratio Lower Upper

75 100

110 9.7 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.471 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.122 min

Lab File: VY017493.D

Acq: 27 Feb 2024 13:53

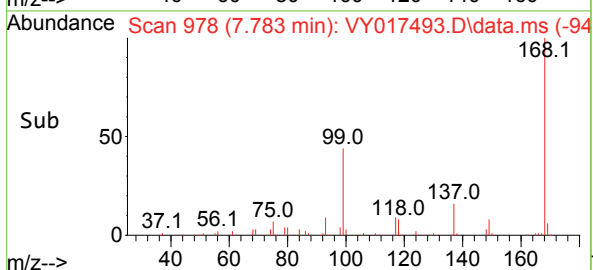
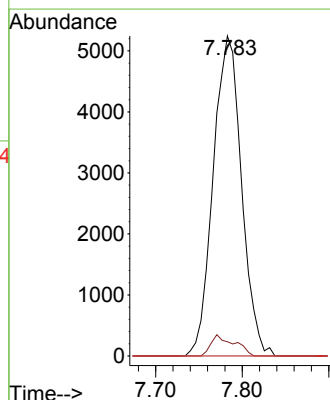
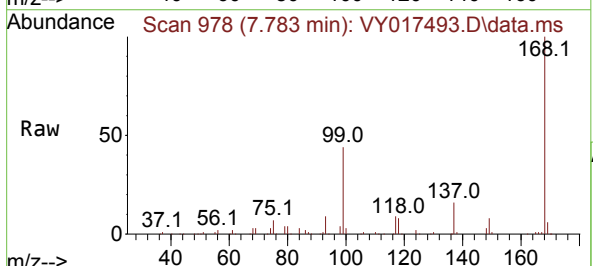
Tgt Ion: 117 Resp: 11920

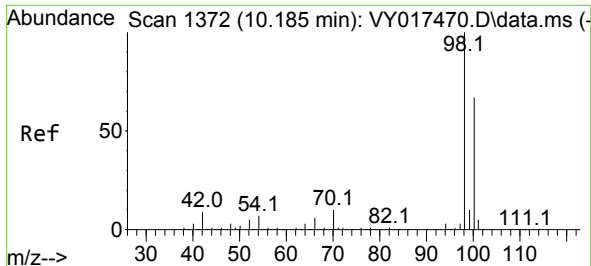
Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.6#

121 0.0 24.0 36.0#

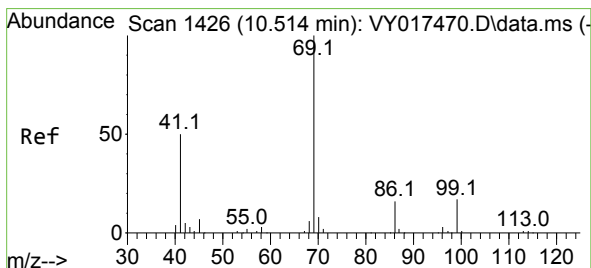
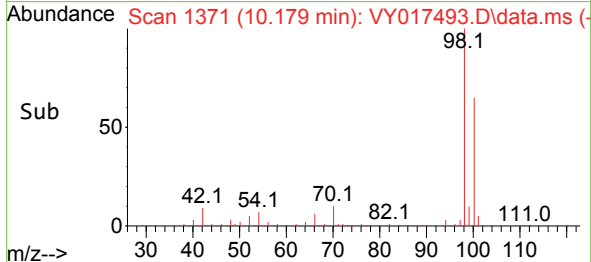
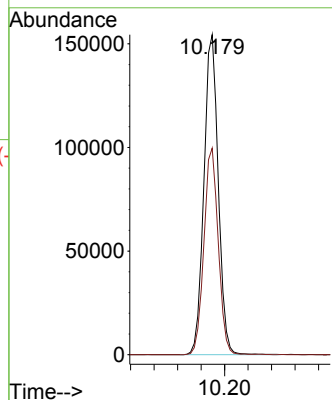
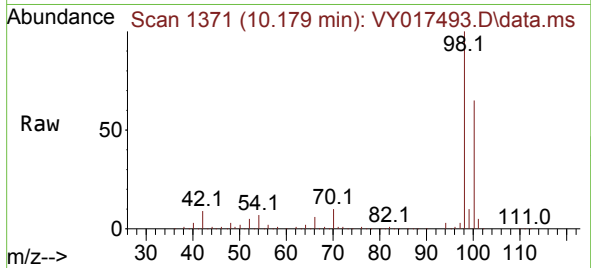




#50
Toluene-d8
Concen: 46.344 ug/l
RT: 10.179 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY017493.D
Acq: 27 Feb 2024 13:53

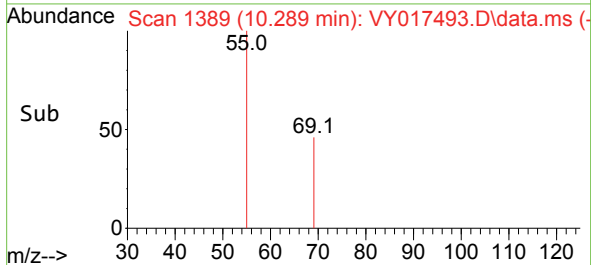
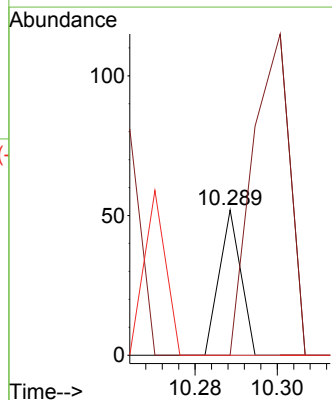
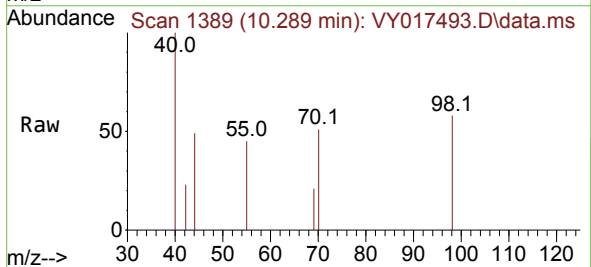
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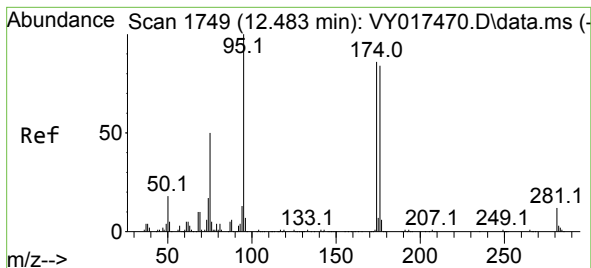
Tgt Ion: 98 Resp: 261087
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#56
Ethyl methacrylate
Concen: 2.549 ug/l
RT: 10.289 min Scan# 1389
Delta R.T. -0.225 min
Lab File: VY017493.D
Acq: 27 Feb 2024 13:53

Tgt Ion: 69 Resp: 19
Ion Ratio Lower Upper
69 100
41 378.9 42.3 63.5#
39 0.0 22.9 34.3#

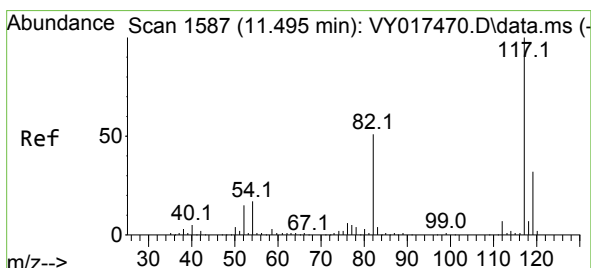
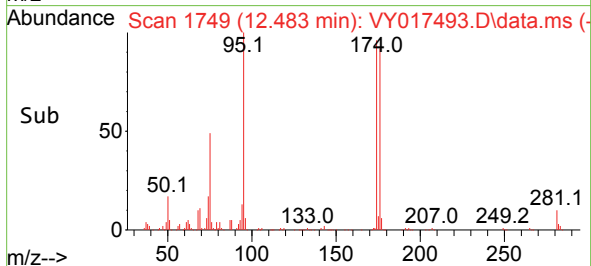
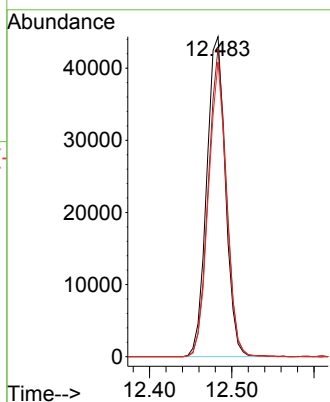
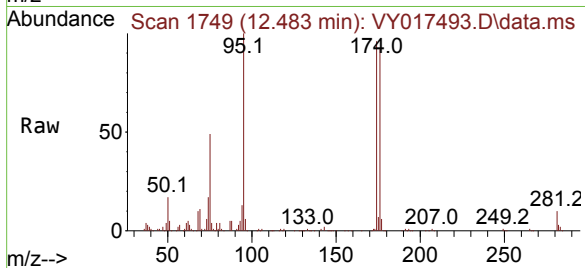




#62
4-Bromofluorobenzene
Concen: 39.726 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017493.D
Acq: 27 Feb 2024 13:53

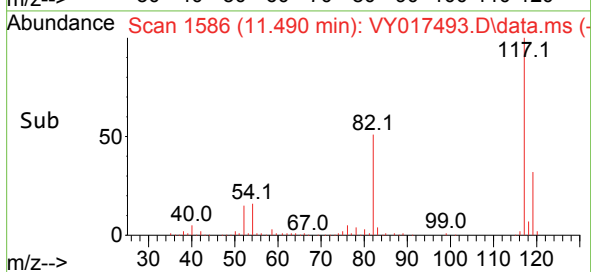
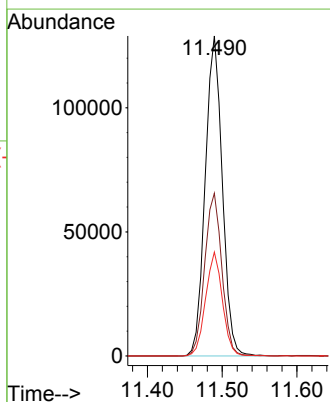
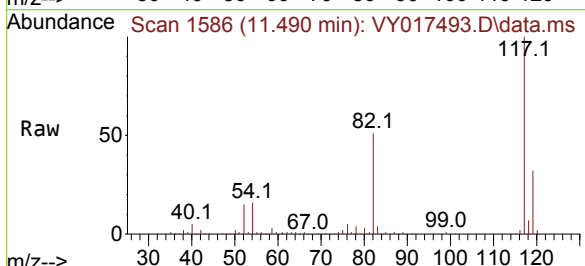
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

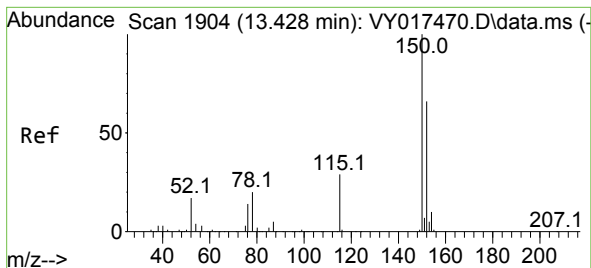
Tgt Ion: 95 Resp: 70335
Ion Ratio Lower Upper
95 100
174 93.5 0.0 175.6
176 88.9 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY017493.D
Acq: 27 Feb 2024 13:53

Tgt Ion: 117 Resp: 204697
Ion Ratio Lower Upper
117 100
82 50.8 42.4 63.6
119 32.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY017493.D

Acq: 27 Feb 2024 13:53

Instrument :

MSVOA_Y

ClientSampleId :

WC-2

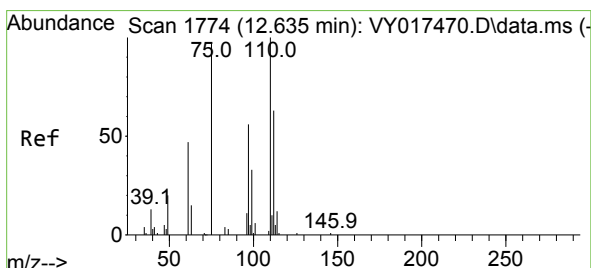
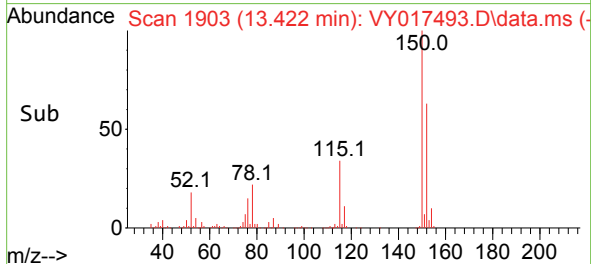
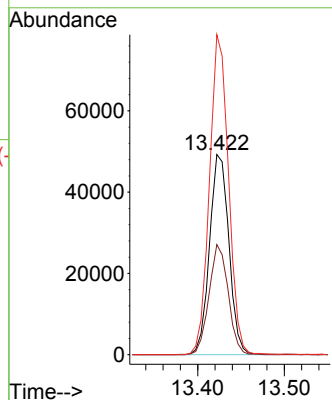
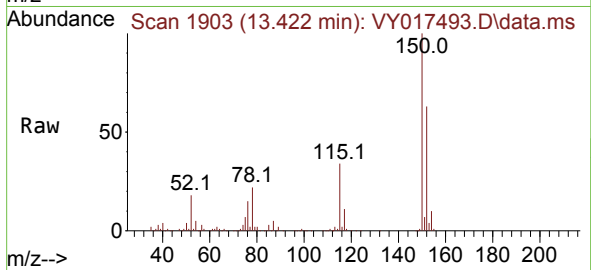
Tgt Ion:152 Resp: 76549

Ion Ratio Lower Upper

152 100

115 54.6 28.2 84.7

150 157.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 47.585 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY017493.D

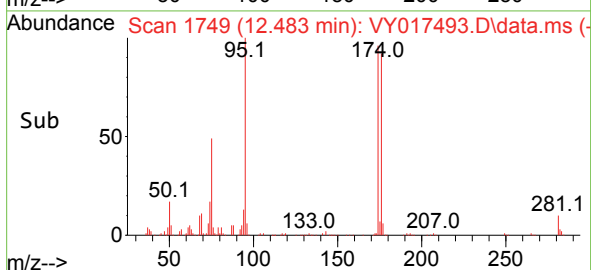
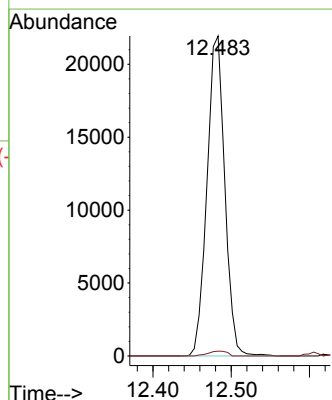
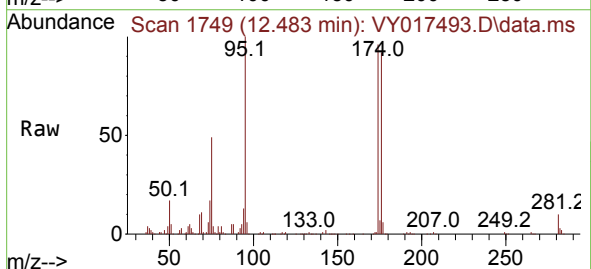
Acq: 27 Feb 2024 13:53

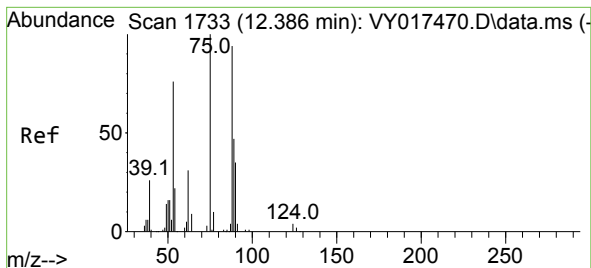
Tgt Ion: 75 Resp: 34610

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

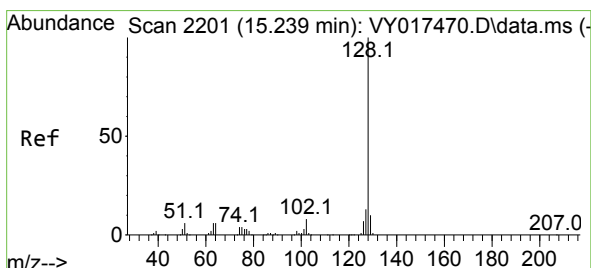
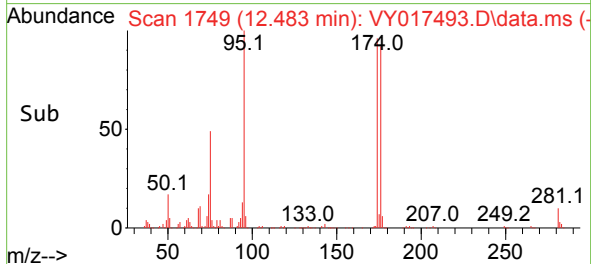
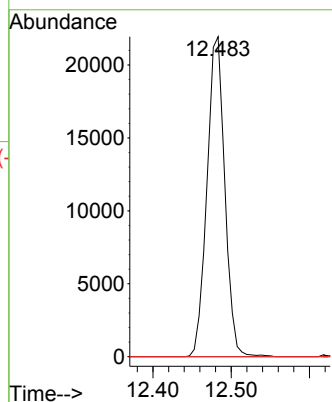
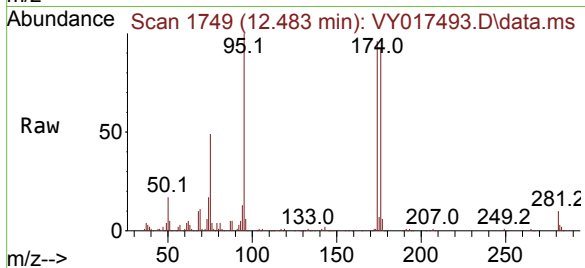




#81
trans-1,4-Dichloro-2-butene
Concen: 109.339 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY017493.D
Acq: 27 Feb 2024 13:53

Instrument :
MSVOA_Y
ClientSampleId :
WC-2

Tgt Ion: 75 Resp: 34610
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 4.353 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY017493.D
Acq: 27 Feb 2024 13:53

Tgt Ion: 128 Resp: 1140
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 3.9 8.6 13.0#

