

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020724\
 Data File : VY017300.D
 Acq On : 07 Feb 2024 19:36
 Operator : SY/MD
 Sample : P1391-31
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-4

Quant Time: Feb 08 01:47:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

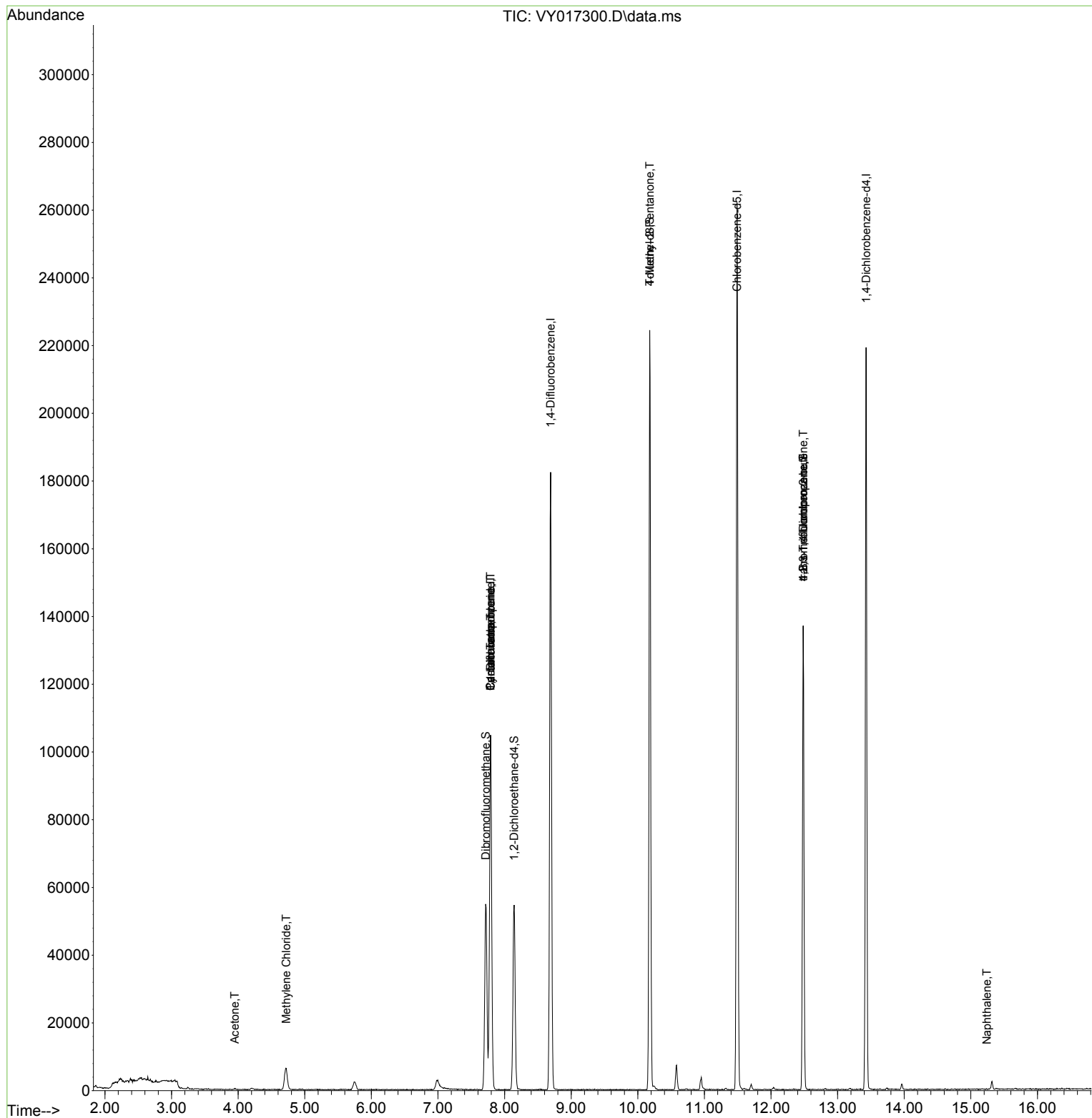
Internal Standards						
1) Pentafluorobenzene	7.789	168	73839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	150028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	132459	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	50085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	41580	63.035	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.080%			
35) Dibromofluoromethane	7.716	113	38834	47.940	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.880%			
50) Toluene-d8	10.179	98	140110	47.505	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.020%			
62) 4-Bromofluorobenzene	12.483	95	38592	39.944	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.880%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	132	Below Cal	#	75
16) Acetone	3.948	43	398	2.053	ug/l #	41
20) Methylene Chloride	4.722	84	4760	2.679	ug/l #	94
31) Cyclohexane	7.789	56	2083	1.567	ug/l #	50
36) 1,1-Dichloropropene	7.789	75	6883	4.926	ug/l #	48
38) Carbon Tetrachloride	7.789	117	7949	5.942	ug/l #	17
51) 4-Methyl-2-Pentanone	10.179	43	691	1.124	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	22710	49.126	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	22710	102.078	ug/l #	12
95) Naphthalene	15.239	128	44	3.453	ug/l #	69

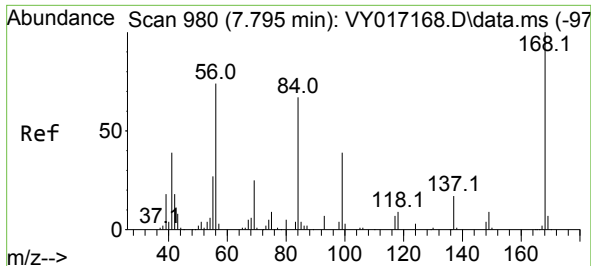
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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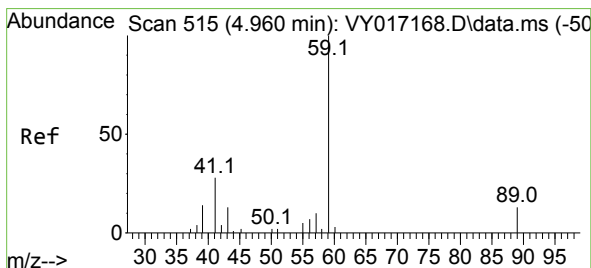
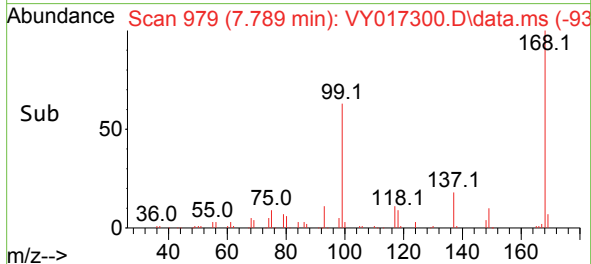
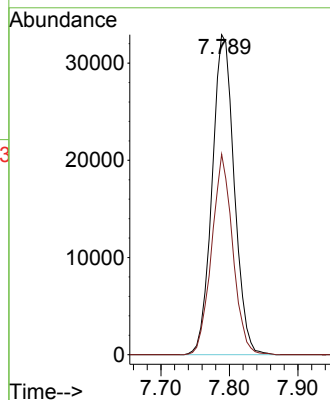
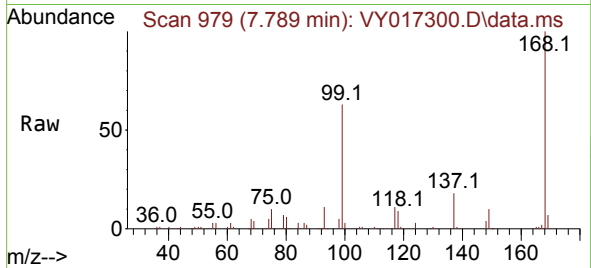




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017300.D
Acq: 07 Feb 2024 19:36

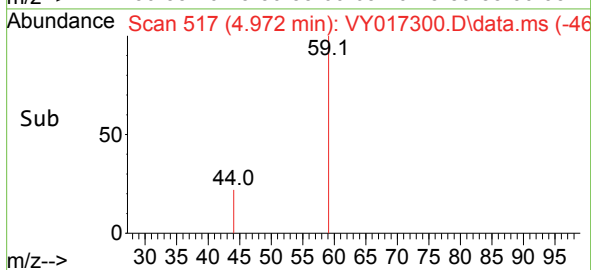
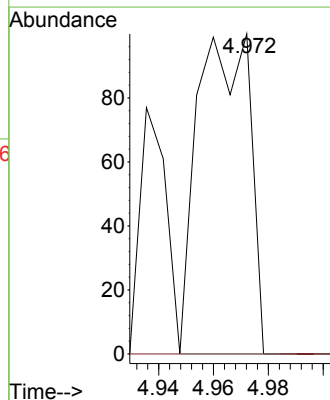
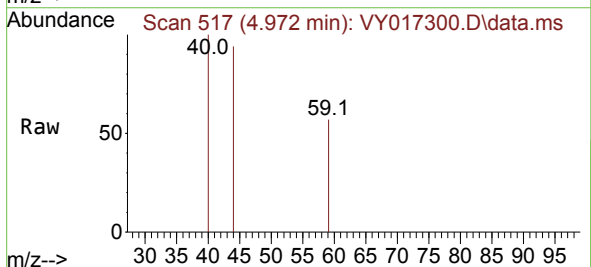
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

Tgt Ion:168 Resp: 73839
Ion Ratio Lower Upper
168 100
99 62.6 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY017300.D
Acq: 07 Feb 2024 19:36

Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 2.053 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY017300.D

Acq: 07 Feb 2024 19:36

Instrument :

MSVOA_Y

ClientSampleId :

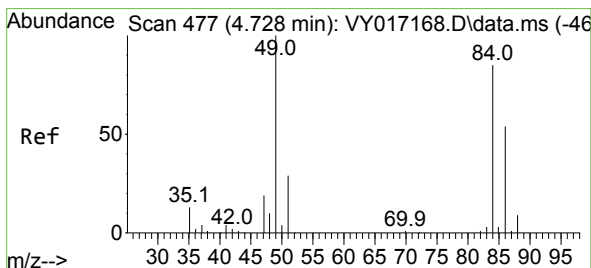
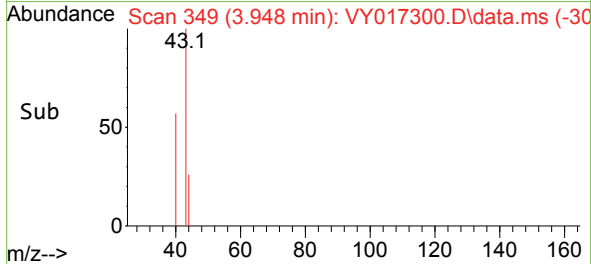
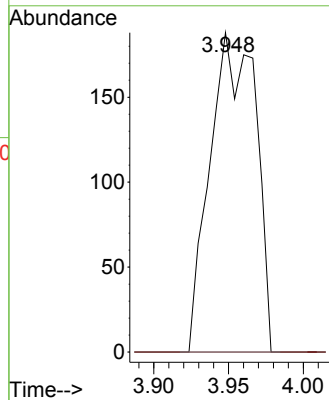
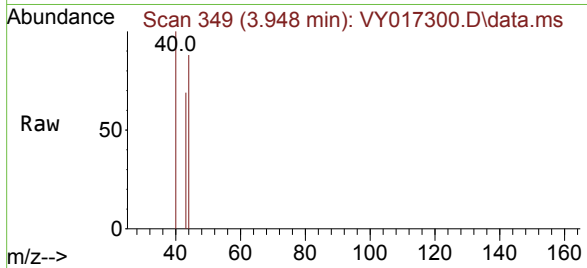
SP-4

Tgt Ion: 43 Resp: 398

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#20

Methylene Chloride

Concen: 2.679 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.006 min

Lab File: VY017300.D

Acq: 07 Feb 2024 19:36

Tgt Ion: 84 Resp: 4760

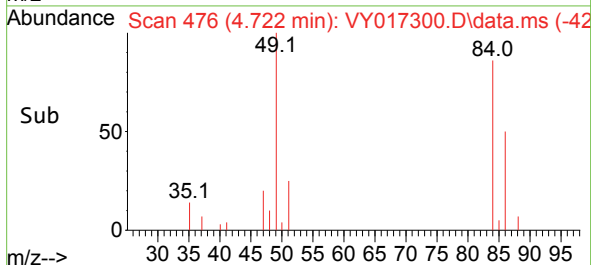
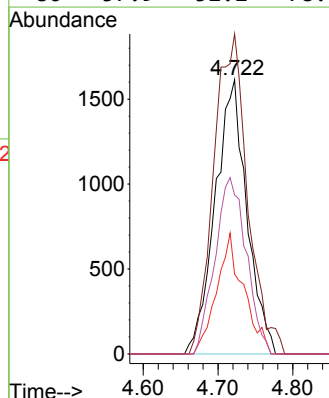
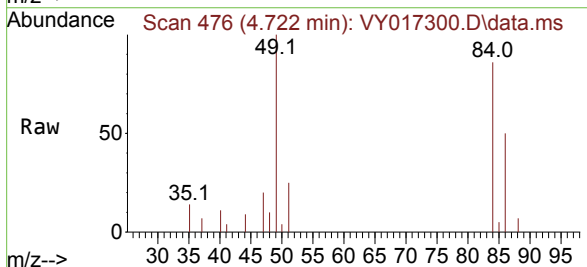
Ion Ratio Lower Upper

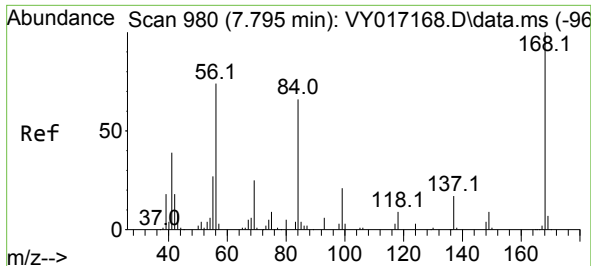
84 100

49 116.7 95.2 142.8

51 29.1 29.9 44.9#

86 57.9 52.2 78.4

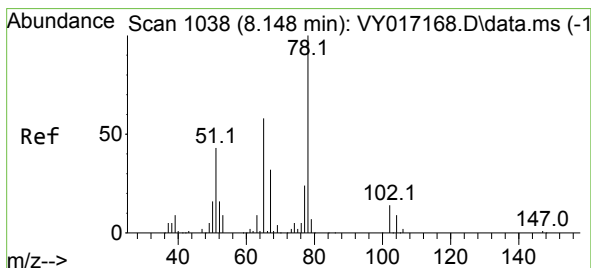
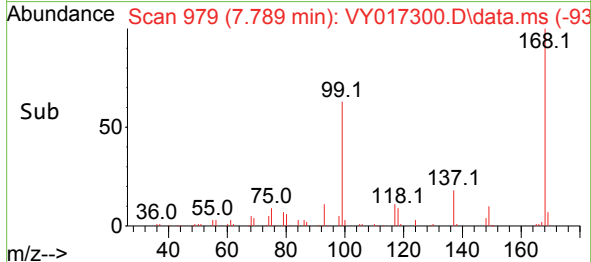
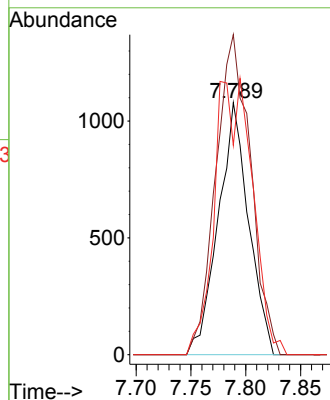
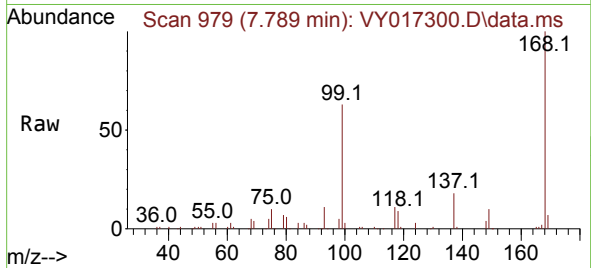




#31
Cyclohexane
Concen: 1.567 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017300.D
Acq: 07 Feb 2024 19:36

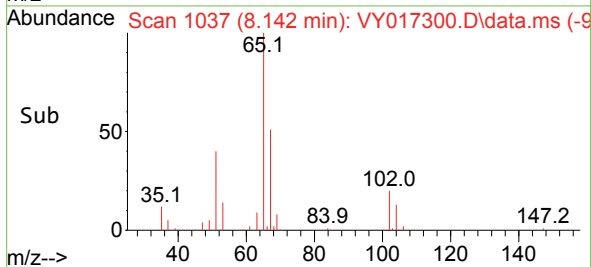
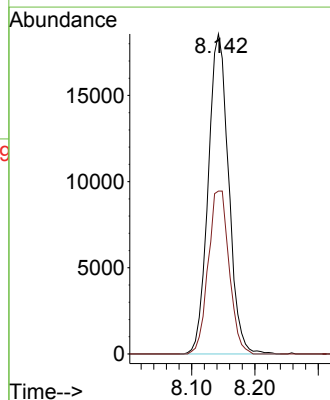
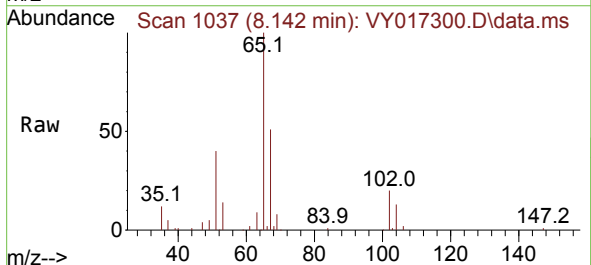
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

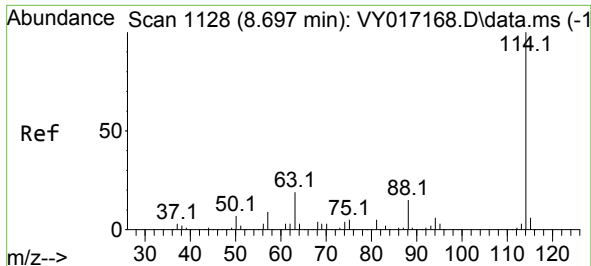
Tgt Ion: 56 Resp: 2083
Ion Ratio Lower Upper
56 100
69 127.0 27.0 40.6#
84 83.1 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 63.035 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY017300.D
Acq: 07 Feb 2024 19:36

Tgt Ion: 65 Resp: 41580
Ion Ratio Lower Upper
65 100
67 52.3 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY017300.D

Acq: 07 Feb 2024 19:36

Instrument :

MSVOA_Y

ClientSampleId :

SP-4

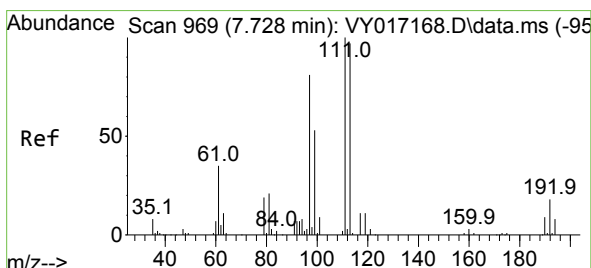
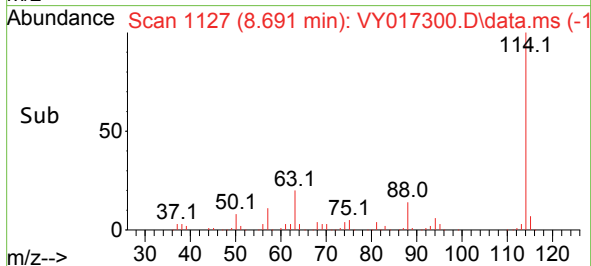
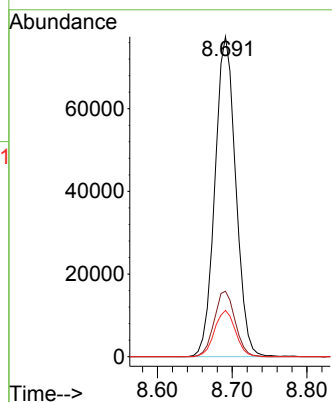
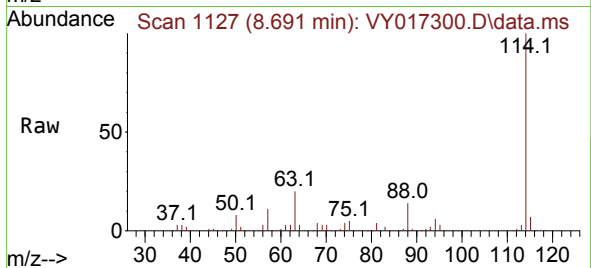
Tgt Ion:114 Resp: 150028

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 14.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 47.940 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.012 min

Lab File: VY017300.D

Acq: 07 Feb 2024 19:36

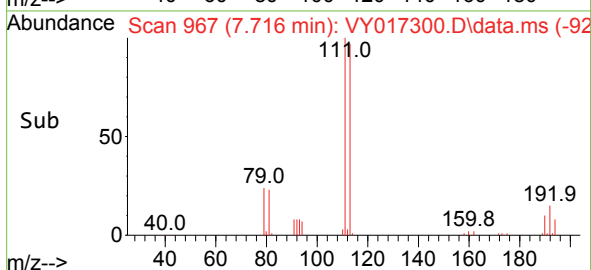
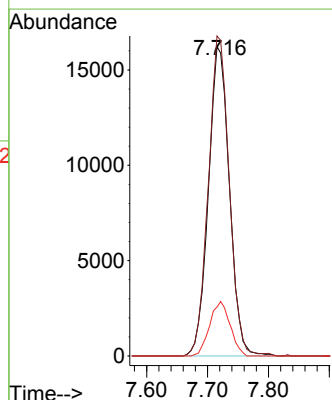
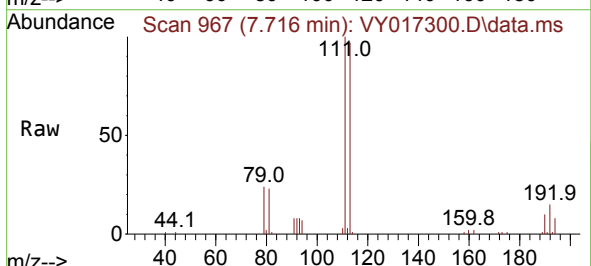
Tgt Ion:113 Resp: 38834

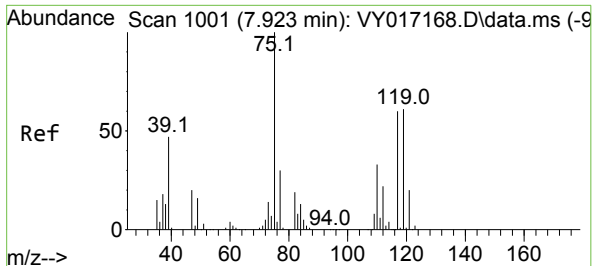
Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 17.2 14.5 21.7

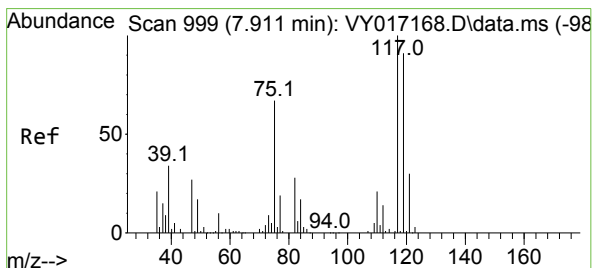
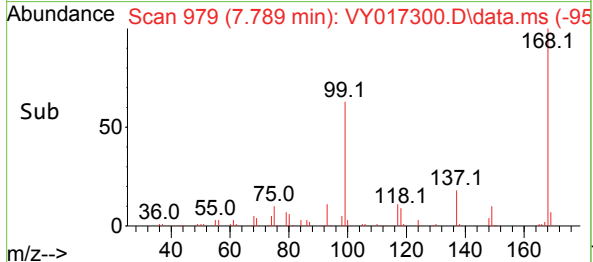
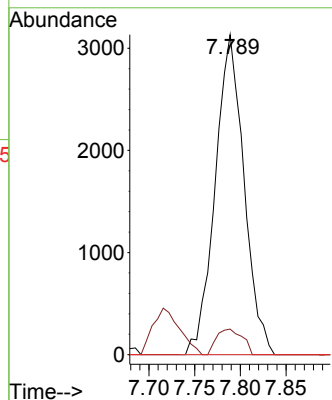
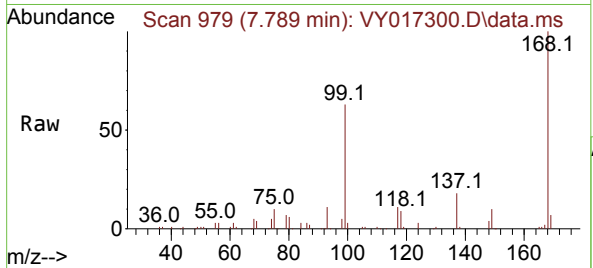




#36
1,1-Dichloropropene
Concen: 4.926 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY017300.D
Acq: 07 Feb 2024 19:36

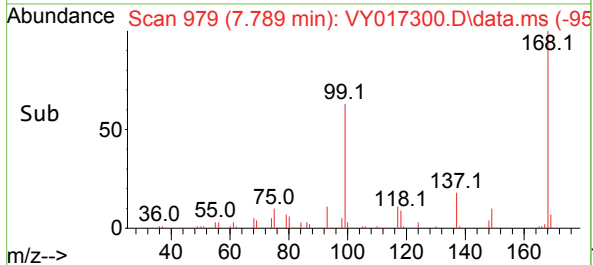
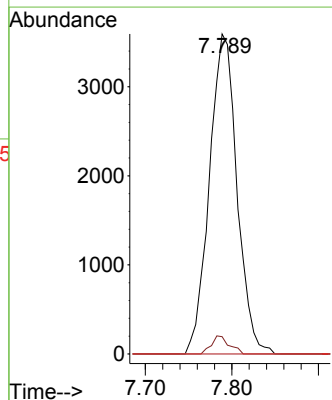
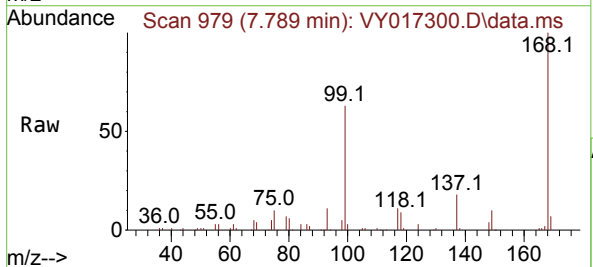
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

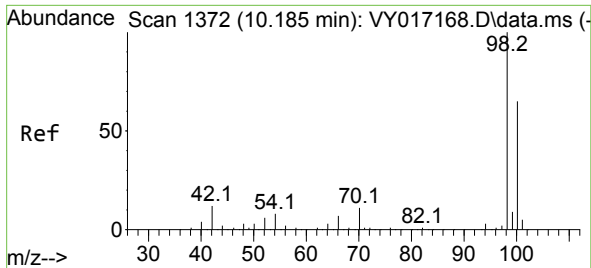
Tgt Ion: 75 Resp: 6883
Ion Ratio Lower Upper
75 100
110 7.2 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.942 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY017300.D
Acq: 07 Feb 2024 19:36

Tgt Ion:117 Resp: 7949
Ion Ratio Lower Upper
117 100
119 5.4 76.0 114.0#
121 0.0 24.2 36.2#

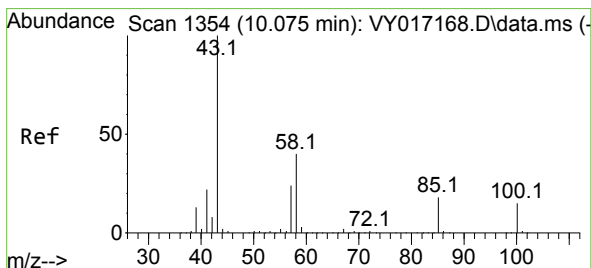
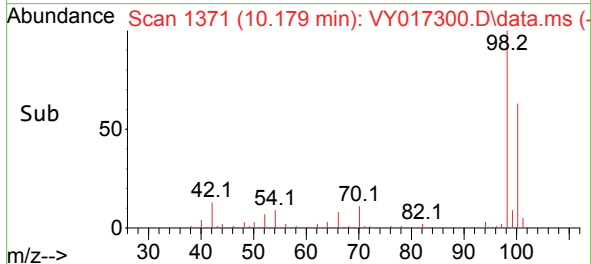
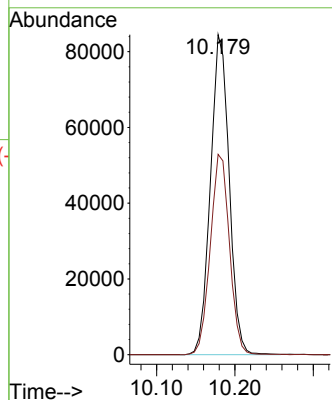
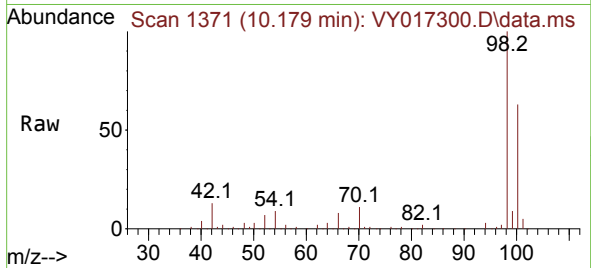




#50
Toluene-d8
Concen: 47.505 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY017300.D
Acq: 07 Feb 2024 19:36

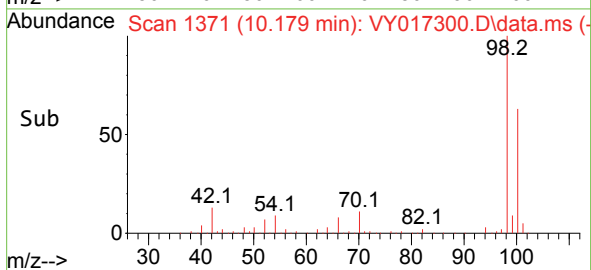
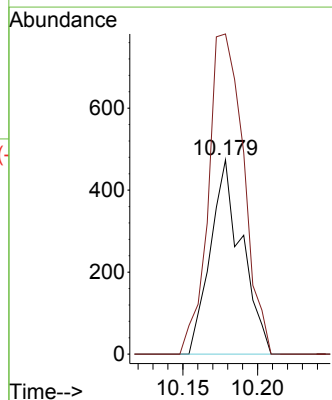
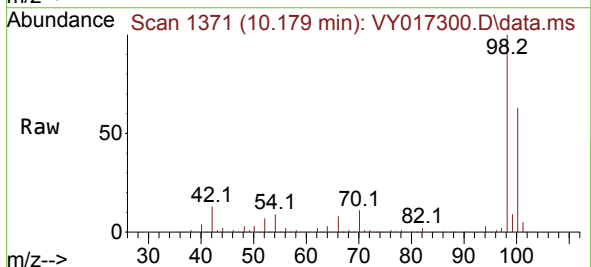
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

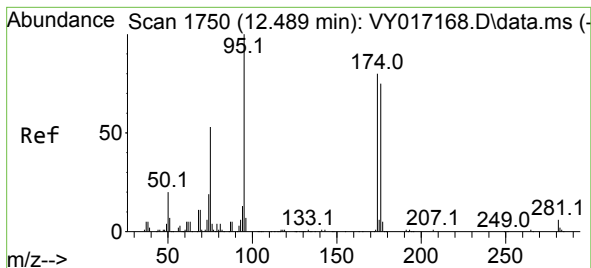
Tgt Ion: 98 Resp: 140110
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.124 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.104 min
Lab File: VY017300.D
Acq: 07 Feb 2024 19:36

Tgt Ion: 43 Resp: 691
Ion Ratio Lower Upper
43 100
58 185.5 32.2 48.2#

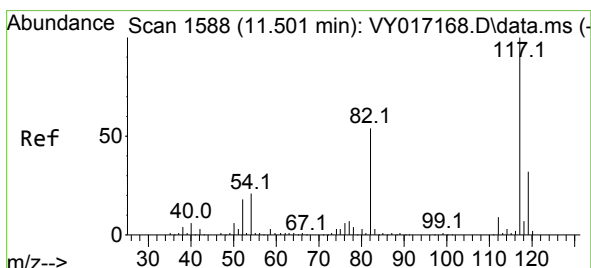
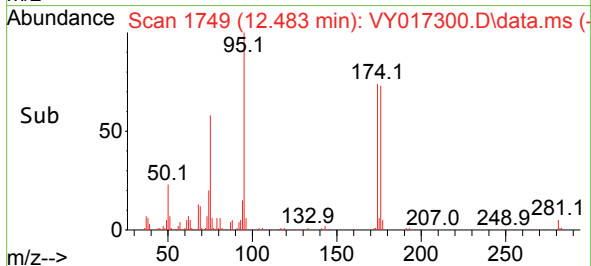
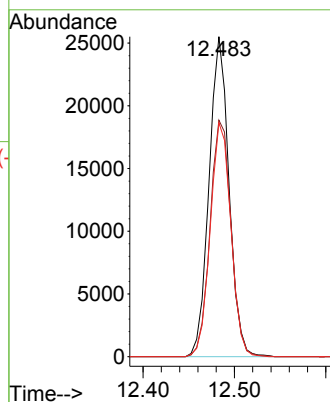
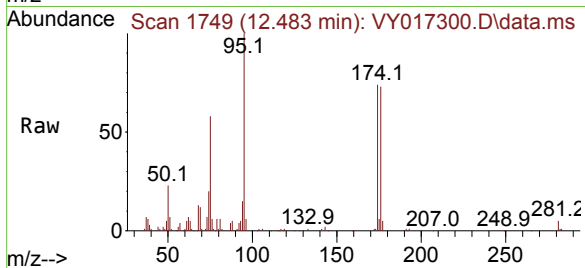




#62
4-Bromofluorobenzene
Concen: 39.944 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017300.D
Acq: 07 Feb 2024 19:36

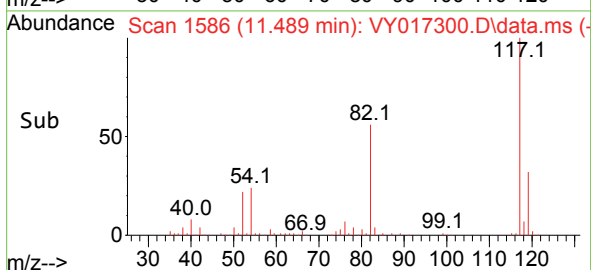
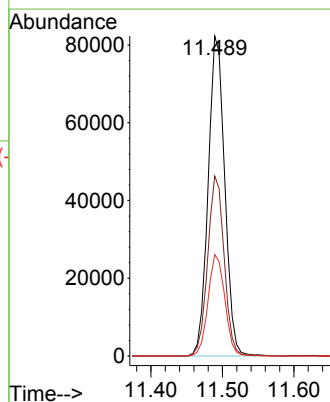
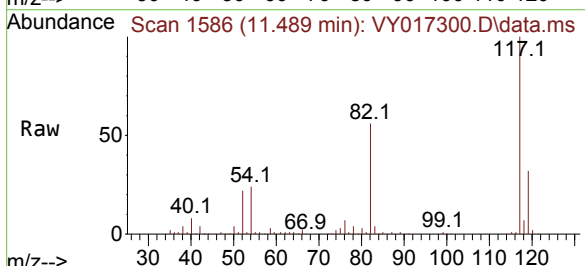
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

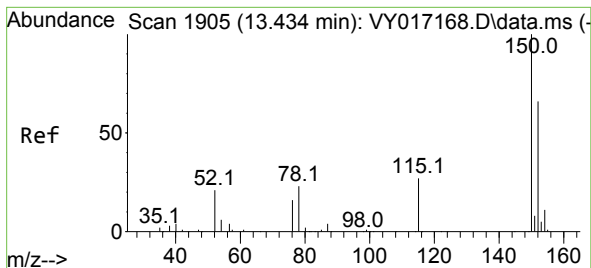
Tgt Ion: 95 Resp: 38592
Ion Ratio Lower Upper
95 100
174 77.7 0.0 160.0
176 75.4 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.012 min
Lab File: VY017300.D
Acq: 07 Feb 2024 19:36

Tgt Ion: 117 Resp: 132459
Ion Ratio Lower Upper
117 100
82 56.2 43.8 65.8
119 31.7 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1905

Delta R.T. -0.006 min

Lab File: VY017300.D

Acq: 07 Feb 2024 19:36

Instrument :

MSVOA_Y

ClientSampleId :

SP-4

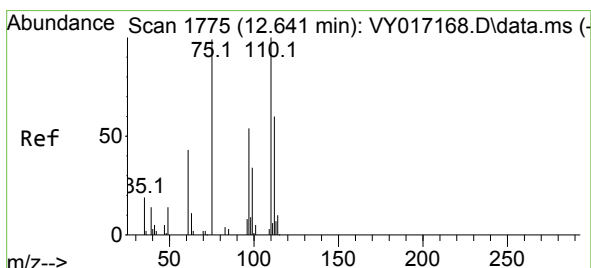
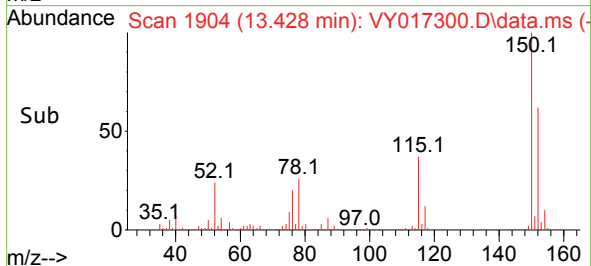
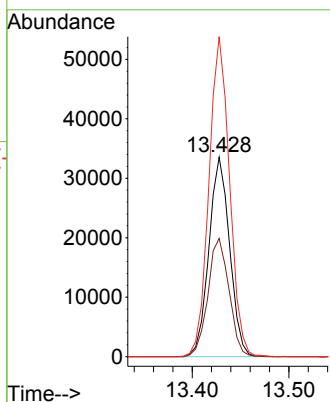
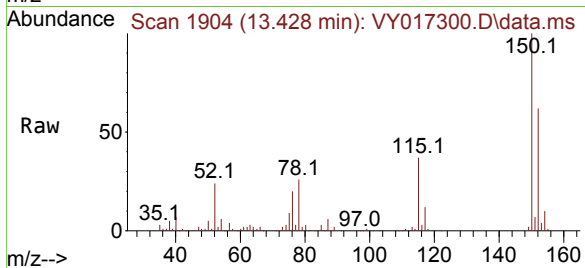
Tgt Ion:152 Resp: 50085

Ion Ratio Lower Upper

152 100

115 60.3 30.0 90.0

150 159.4 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 49.126 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.158 min

Lab File: VY017300.D

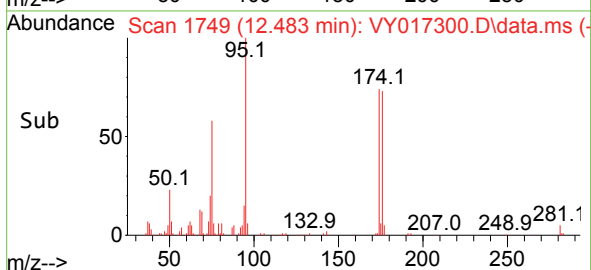
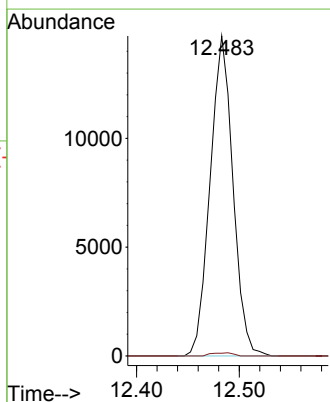
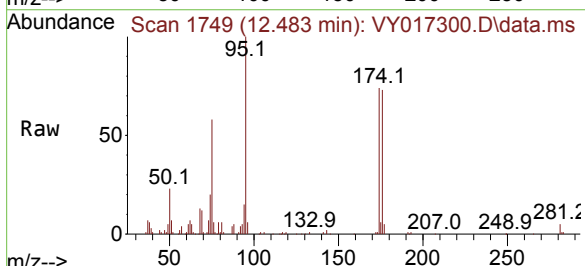
Acq: 07 Feb 2024 19:36

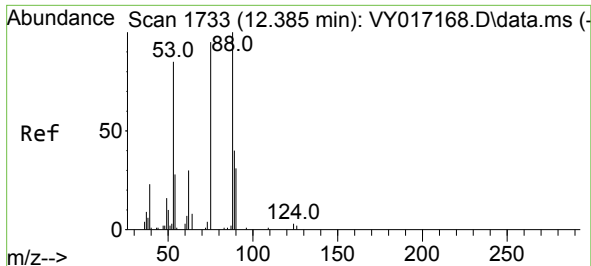
Tgt Ion: 75 Resp: 22710

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

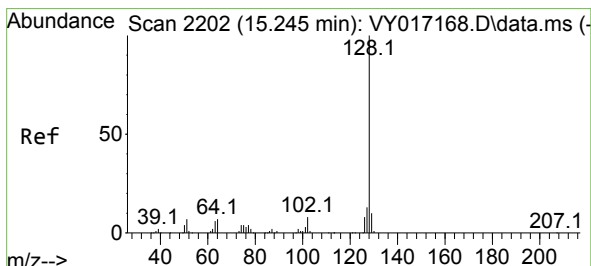
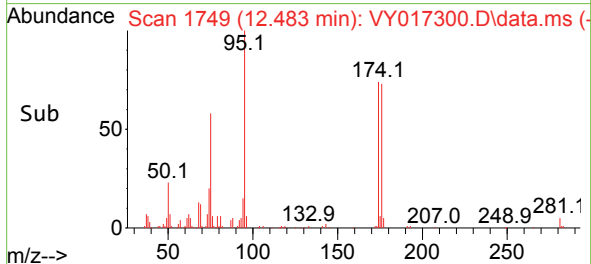
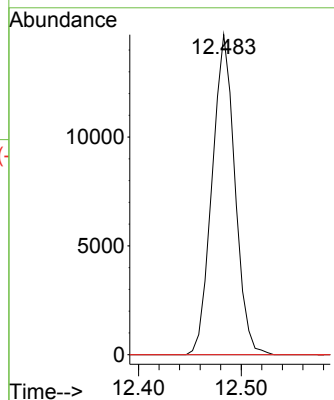
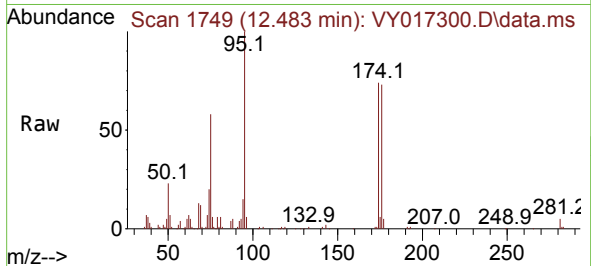




#81
trans-1,4-Dichloro-2-butene
Concen: 102.078 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY017300.D
Acq: 07 Feb 2024 19:36

Instrument :
MSVOA_Y
ClientSampleId :
SP-4

Tgt Ion: 75 Resp: 22710
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 3.453 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY017300.D
Acq: 07 Feb 2024 19:36

Tgt Ion: 128 Resp: 44
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

