

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020824\
 Data File : VY017323.D
 Acq On : 08 Feb 2024 19:22
 Operator : SY/MD
 Sample : P1394-03
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 09 00:16:31 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)

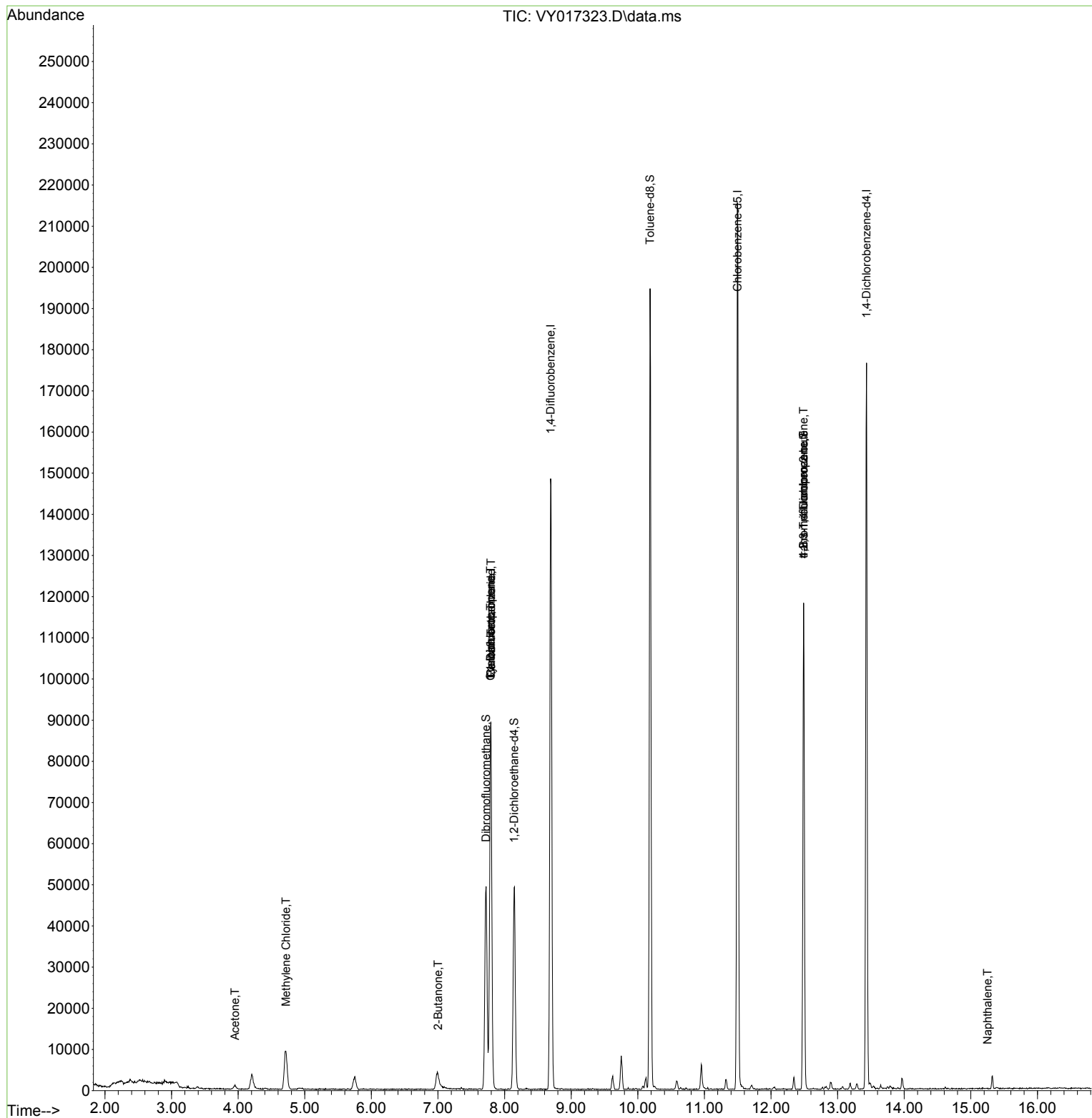
Internal Standards						
1) Pentafluorobenzene	7.795	168	68282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	129603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	116740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	43381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	37135	60.878	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.760%	
35) Dibromofluoromethane	7.722	113	35819	51.187	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.380%	
50) Toluene-d8	10.185	98	123279	48.386	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.780%	
62) 4-Bromofluorobenzene	12.489	95	34259	41.047	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	107	Below Cal	#	75
16) Acetone	3.954	43	1632	9.103	ug/l	93
20) Methylene Chloride	4.716	84	7099	6.629	ug/l	96
25) 2-Butanone	7.002	43	2840	11.916	ug/l	96
31) Cyclohexane	7.789	56	1618	1.316	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6059	5.020	ug/l #	50
38) Carbon Tetrachloride	7.795	117	6962	6.024	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	17420	43.506	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	17420	90.401	ug/l #	12
95) Naphthalene	15.251	128	85	3.491	ug/l #	69

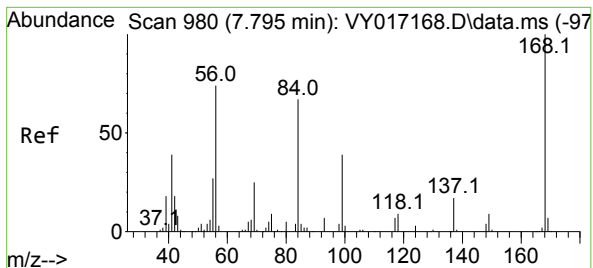
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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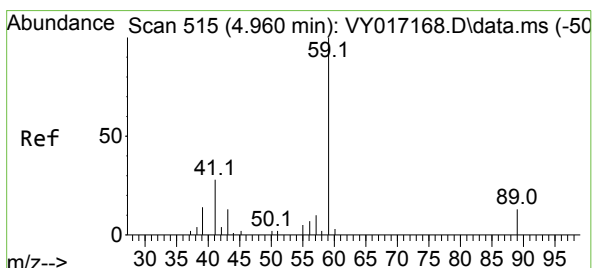
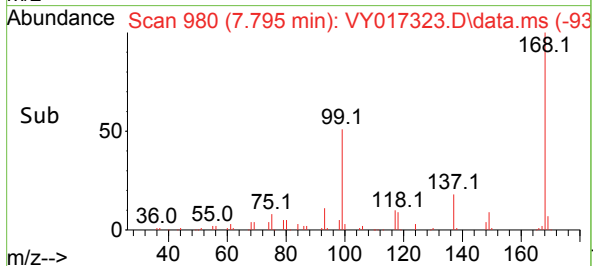
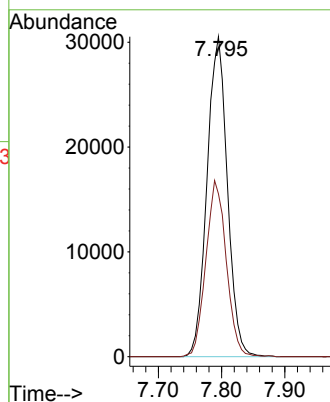
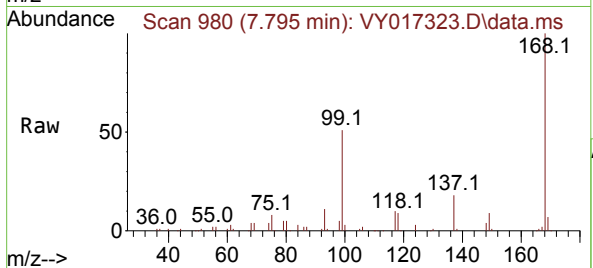




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017323.D
Acq: 08 Feb 2024 19:22

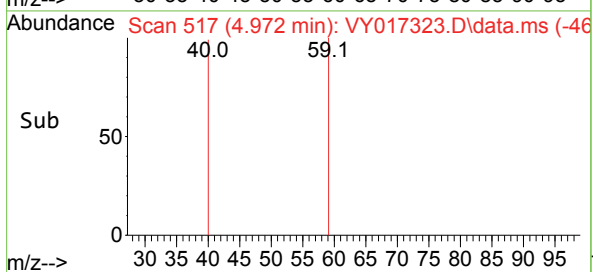
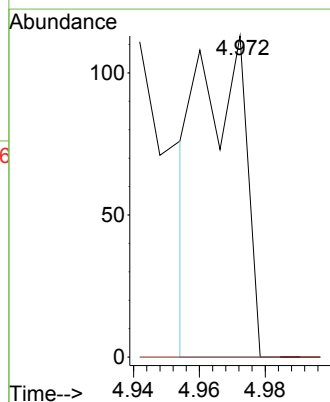
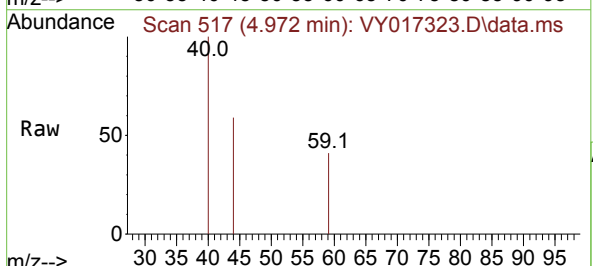
Instrument :
MSVOA_Y
ClientSampleId :

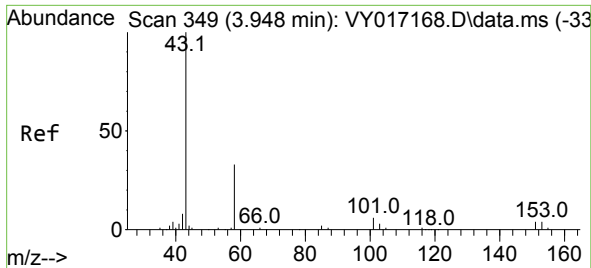
Tgt Ion:168 Resp: 68282
Ion Ratio Lower Upper
168 100
99 50.9 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY017323.D
Acq: 08 Feb 2024 19:22

Tgt Ion: 59 Resp: 107
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 9.103 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY017323.D

Acq: 08 Feb 2024 19:22

Instrument :

MSVOA_Y

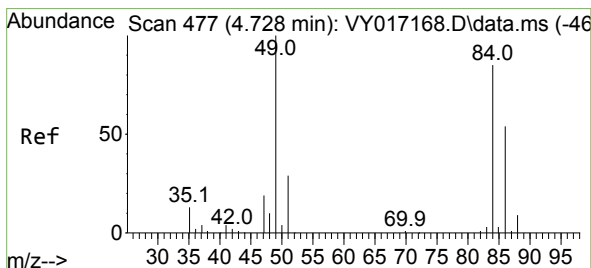
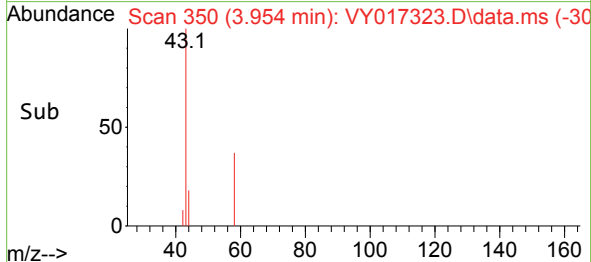
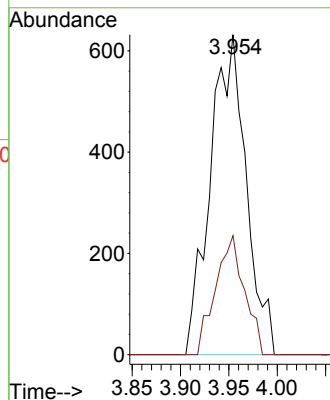
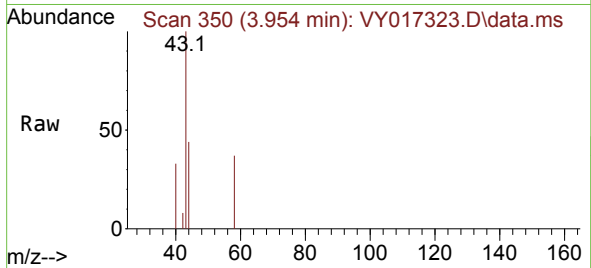
ClientSampleId :

Tgt Ion: 43 Resp: 1632

Ion Ratio Lower Upper

43 100

58 37.2 26.6 39.8



#20

Methylene Chloride

Concen: 6.629 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.012 min

Lab File: VY017323.D

Acq: 08 Feb 2024 19:22

Tgt Ion: 84 Resp: 7099

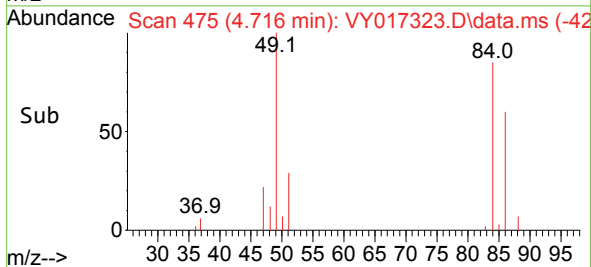
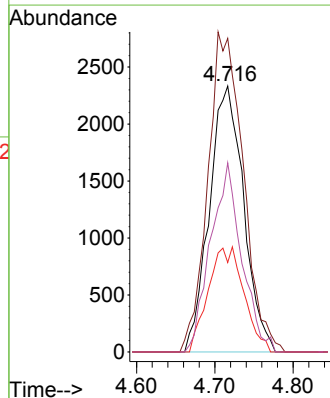
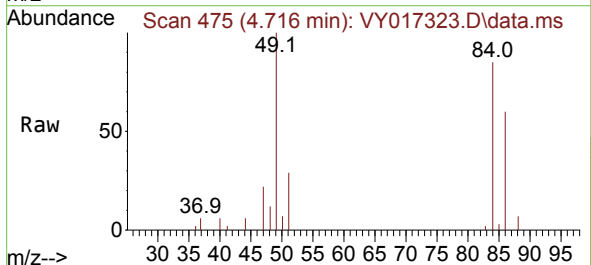
Ion Ratio Lower Upper

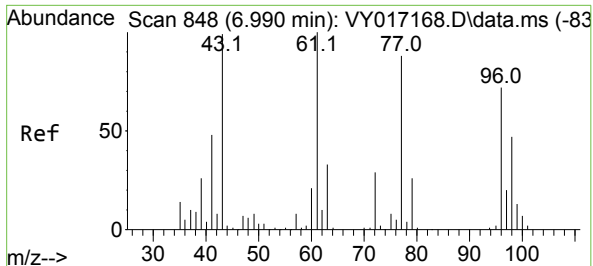
84 100

49 118.0 95.2 142.8

51 33.6 29.9 44.9

86 71.1 52.2 78.4





#25

2-Butanone

Concen: 11.916 ug/l

RT: 7.002 min Scan# 8

Delta R.T. 0.013 min

Lab File: VY017323.D

Acq: 08 Feb 2024 19:22

Instrument :

MSVOA_Y

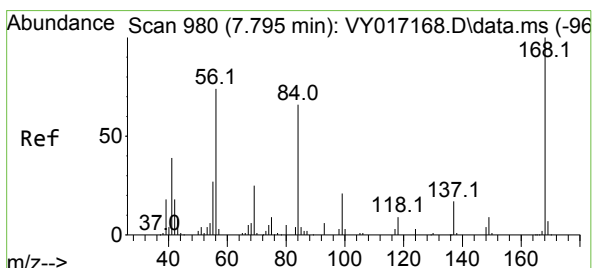
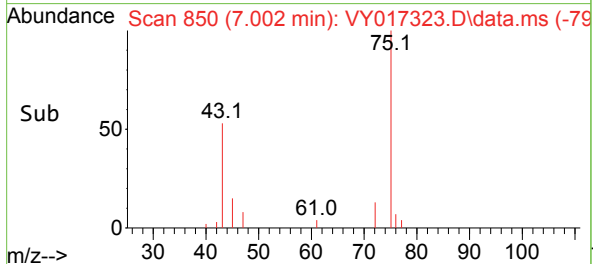
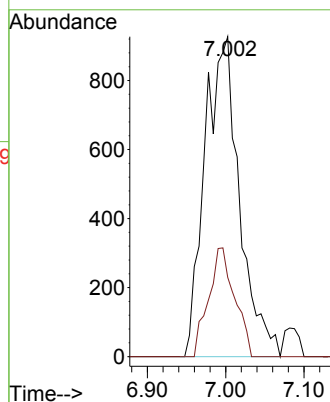
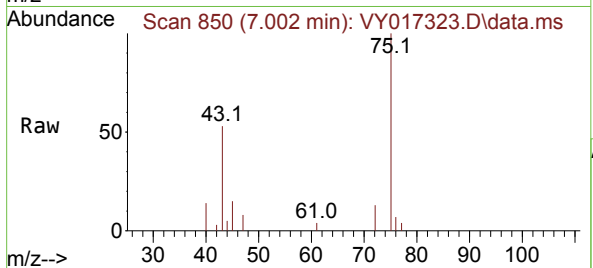
ClientSampleId :

Tgt Ion: 43 Resp: 2840

Ion Ratio Lower Upper

43 100

72 24.8 21.4 32.2



#31

Cyclohexane

Concen: 1.316 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY017323.D

Acq: 08 Feb 2024 19:22

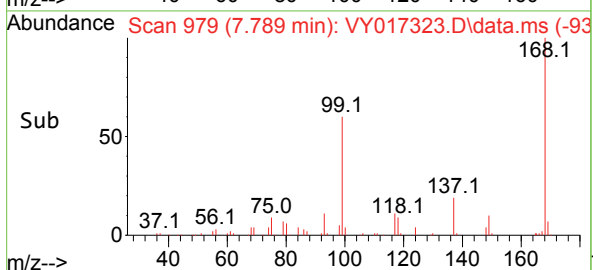
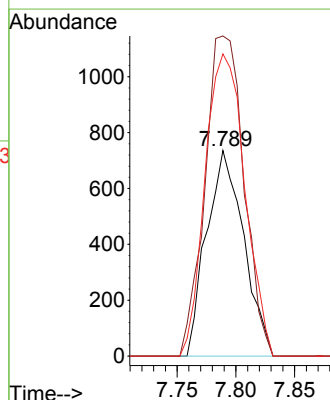
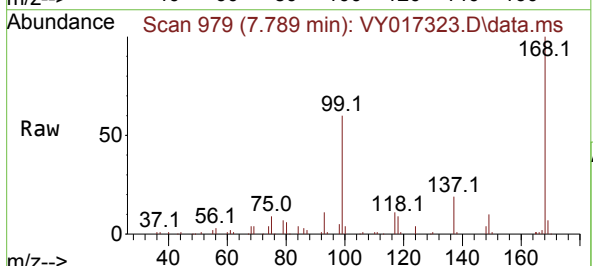
Tgt Ion: 56 Resp: 1618

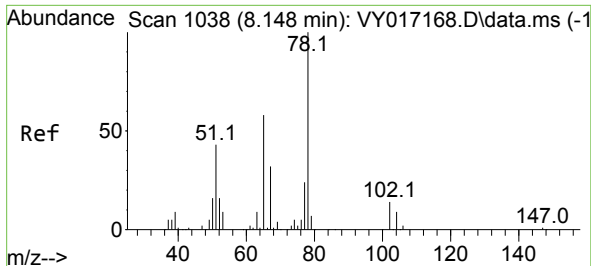
Ion Ratio Lower Upper

56 100

69 155.7 27.0 40.6#

84 147.0 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 60.878 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY017323.D

Acq: 08 Feb 2024 19:22

Instrument :

MSVOA_Y

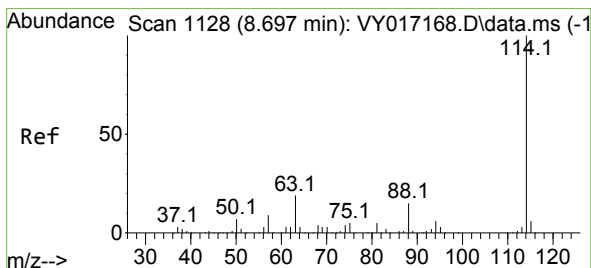
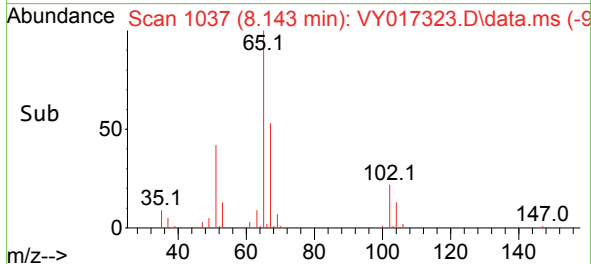
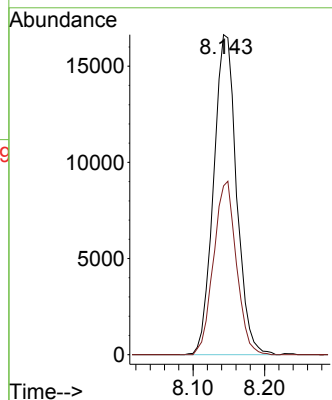
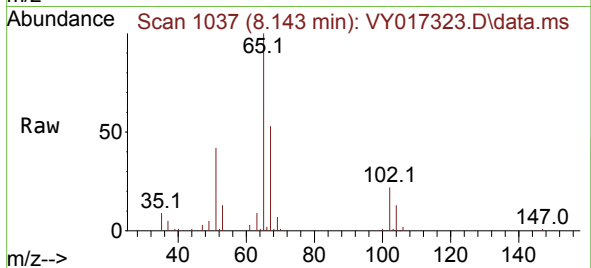
ClientSampleId :

Tgt Ion: 65 Resp: 37135

Ion Ratio Lower Upper

65 100

67 53.7 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY017323.D

Acq: 08 Feb 2024 19:22

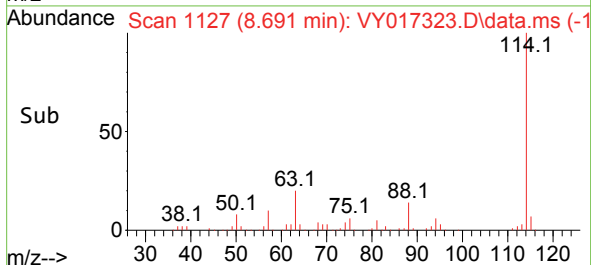
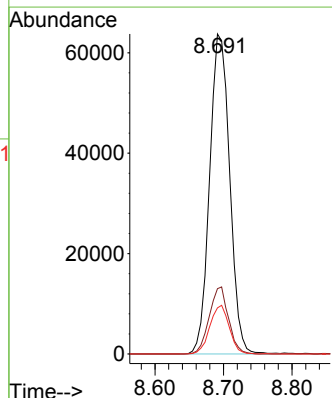
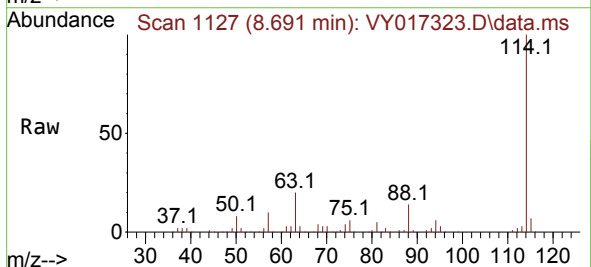
Tgt Ion:114 Resp: 129603

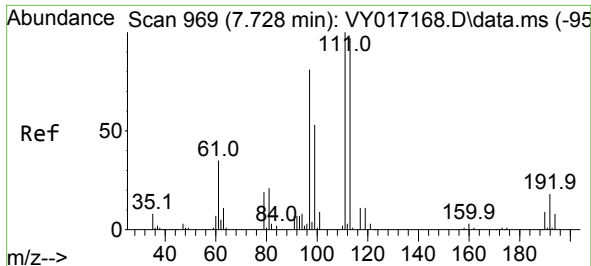
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

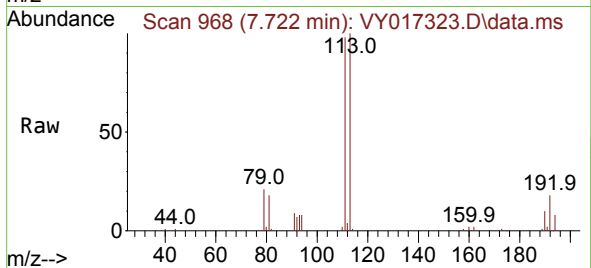
88 14.4 0.0 29.0



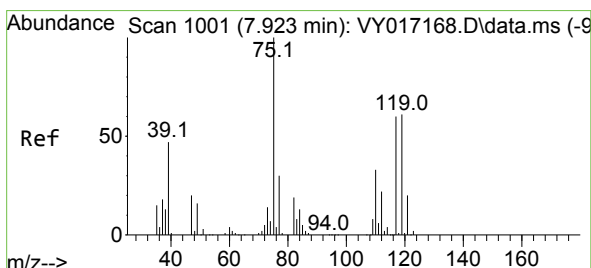
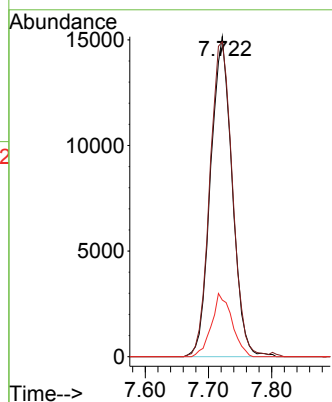
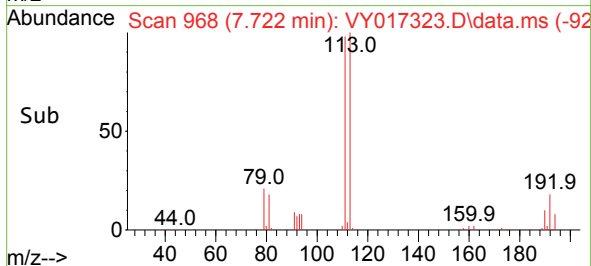


#35
Dibromofluoromethane
Concen: 51.187 ug/l
RT: 7.722 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY017323.D
Acq: 08 Feb 2024 19:22

Instrument :
MSVOA_Y
ClientSampleId :

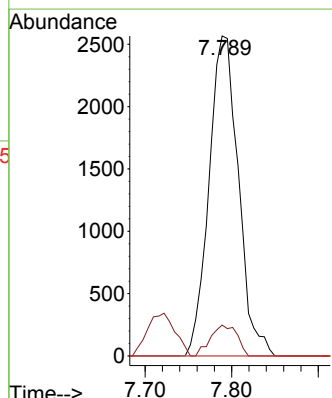
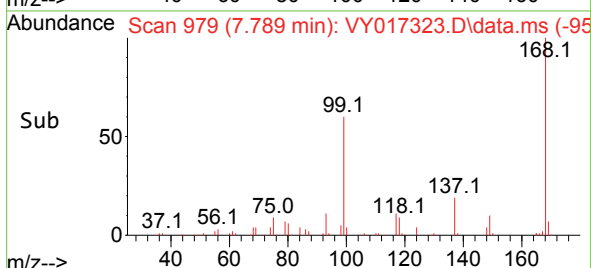
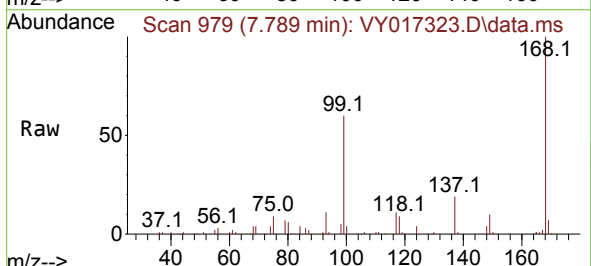


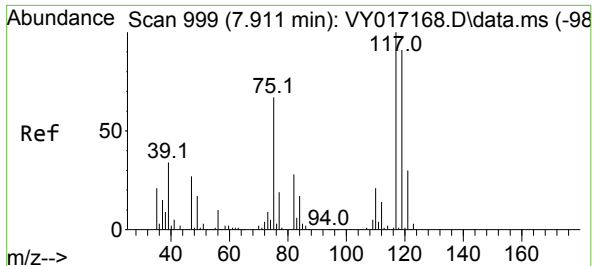
Tgt Ion:113 Resp: 35819
Ion Ratio Lower Upper
113 100
111 102.9 83.8 125.6
192 18.8 14.5 21.7



#36
1,1-Dichloropropene
Concen: 5.020 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY017323.D
Acq: 08 Feb 2024 19:22

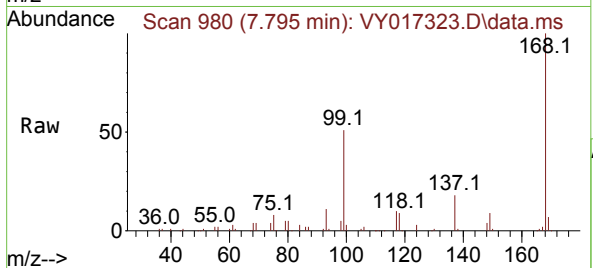
Tgt Ion: 75 Resp: 6059
Ion Ratio Lower Upper
75 100
110 8.7 17.4 52.3#
77 0.0 24.7 37.1#



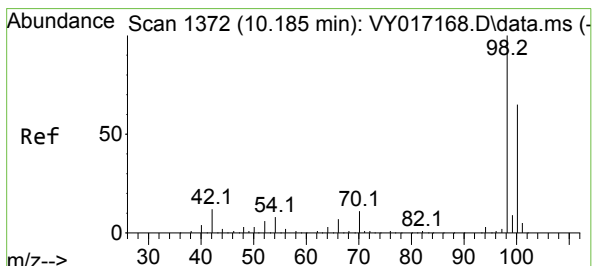
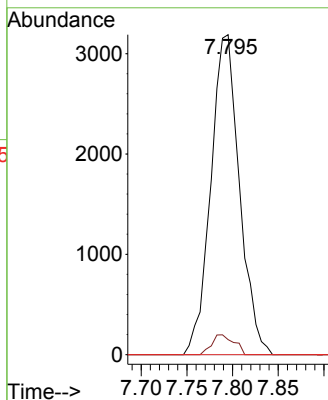
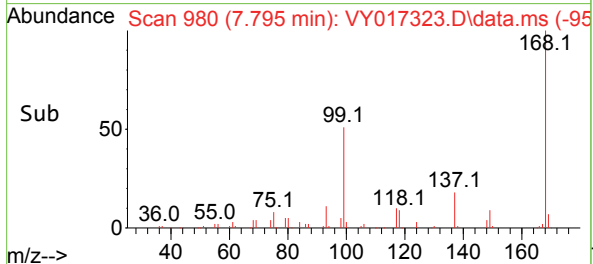


#38
Carbon Tetrachloride
Concen: 6.024 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY017323.D
Acq: 08 Feb 2024 19:22

Instrument :
MSVOA_Y
ClientSampleId :

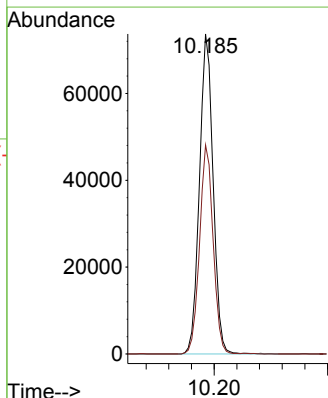
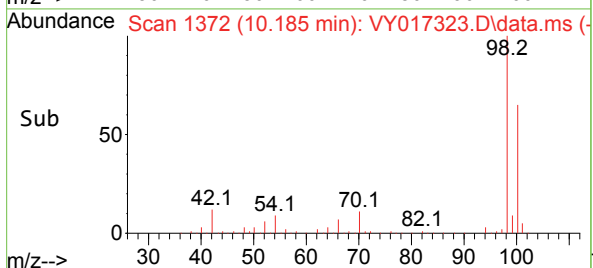
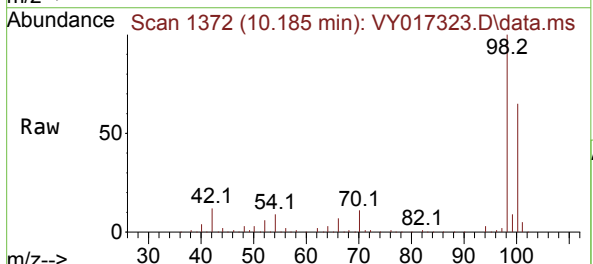


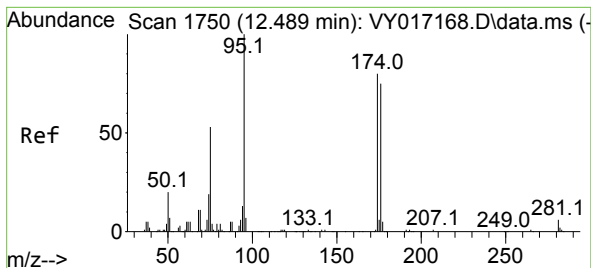
Tgt Ion:117 Resp: 6962
Ion Ratio Lower Upper
117 100
119 4.7 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.386 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017323.D
Acq: 08 Feb 2024 19:22

Tgt Ion: 98 Resp: 123279
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5

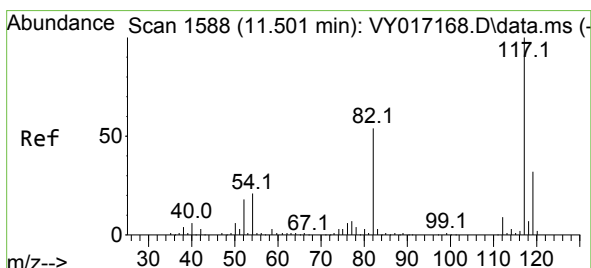
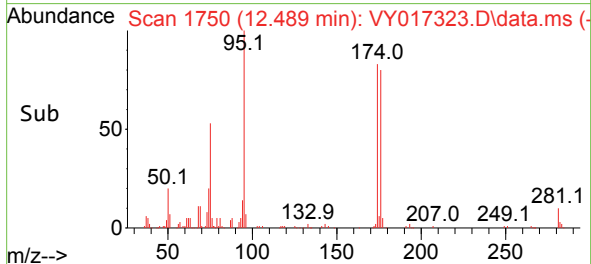
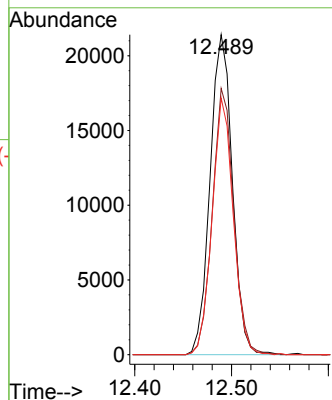
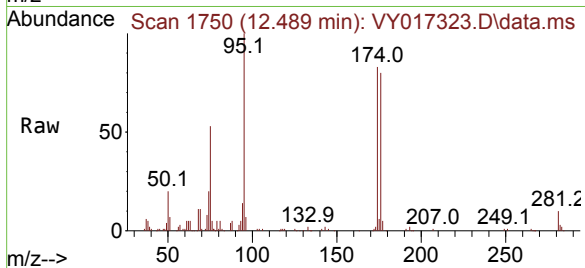




#62
4-Bromofluorobenzene
Concen: 41.047 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017323.D
Acq: 08 Feb 2024 19:22

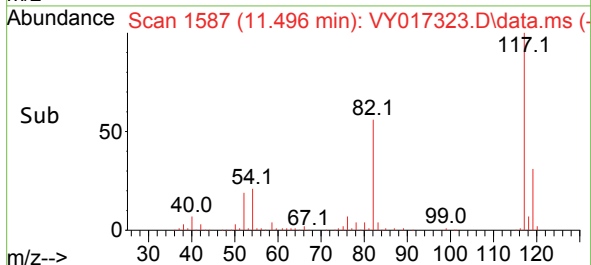
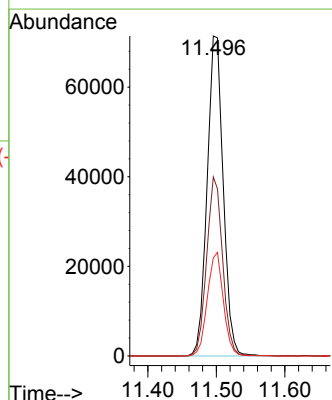
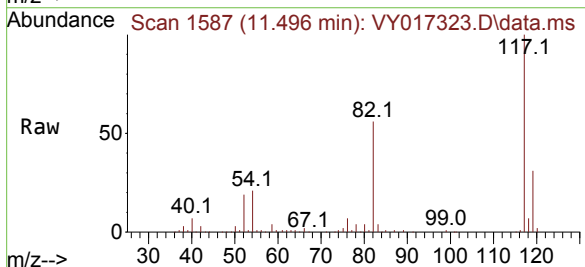
Instrument :
MSVOA_Y
ClientSampleId :

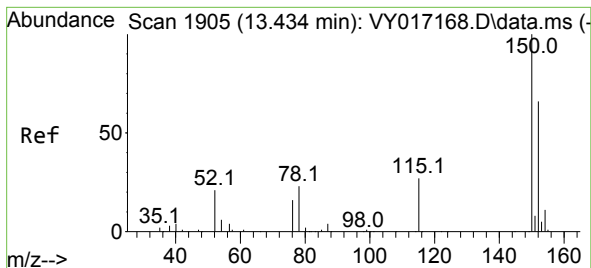
Tgt Ion: 95 Resp: 34259
Ion Ratio Lower Upper
95 100
174 80.0 0.0 160.0
176 76.2 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017323.D
Acq: 08 Feb 2024 19:22

Tgt Ion: 117 Resp: 116740
Ion Ratio Lower Upper
117 100
82 55.9 43.8 65.8
119 30.7 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017323.D

Acq: 08 Feb 2024 19:22

Instrument :

MSVOA_Y

ClientSampleId :

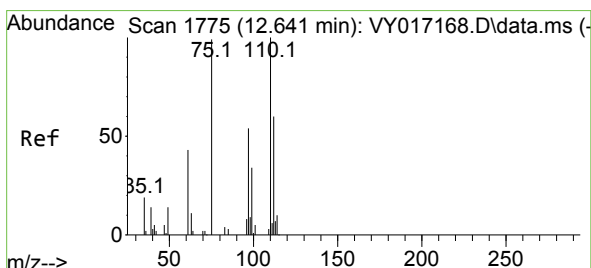
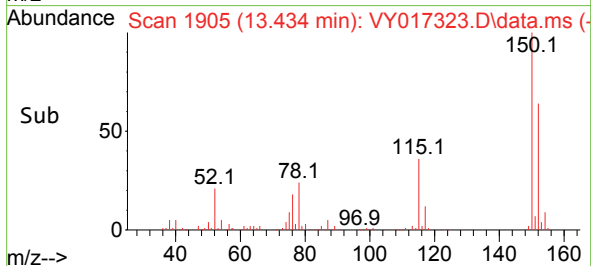
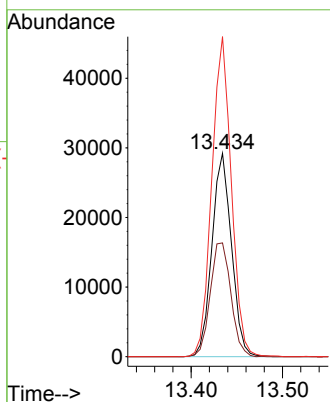
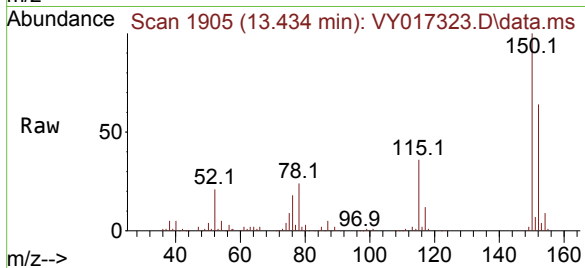
Tgt Ion:152 Resp: 43381

Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.0

150 157.3 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 43.506 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017323.D

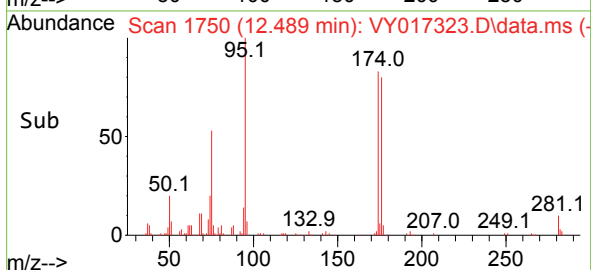
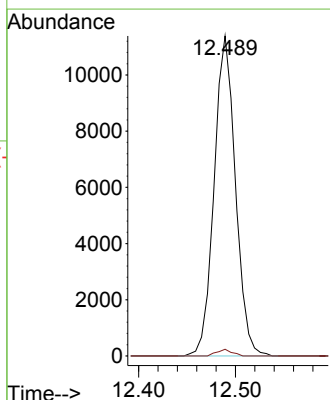
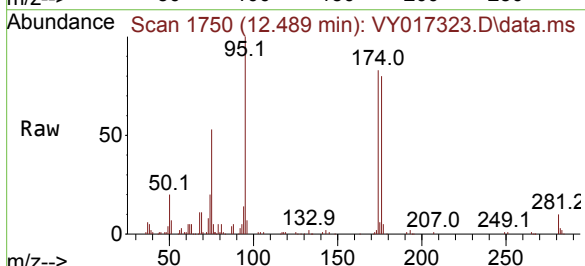
Acq: 08 Feb 2024 19:22

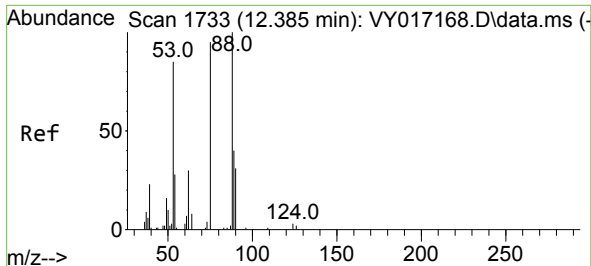
Tgt Ion: 75 Resp: 17420

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

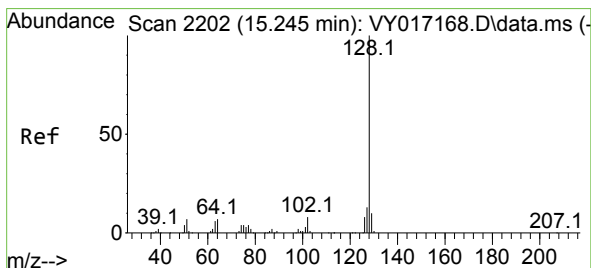
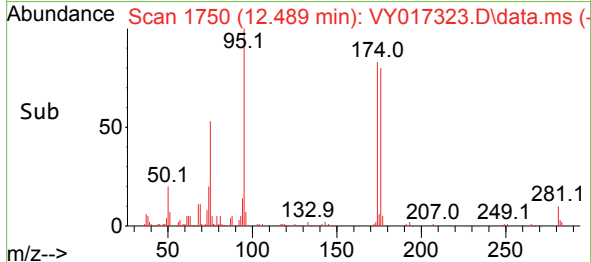
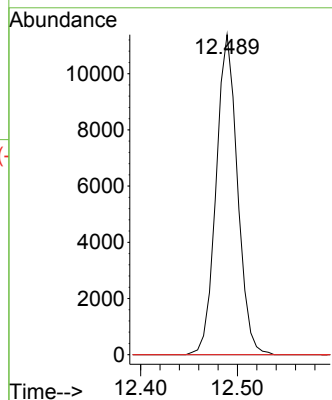
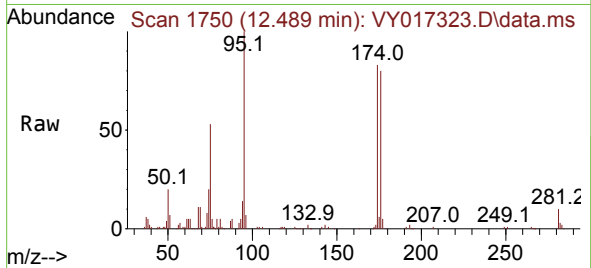




#81
trans-1,4-Dichloro-2-butene
Concen: 90.401 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017323.D
Acq: 08 Feb 2024 19:22

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 17420
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 3.491 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY017323.D
Acq: 08 Feb 2024 19:22

Tgt Ion:128 Resp: 85
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

