

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040124\
 Data File : VY017806.D
 Acq On : 01 Apr 2024 14:11
 Operator : SY/MD
 Sample : P1937-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 369

Quant Time: Apr 02 03:20:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

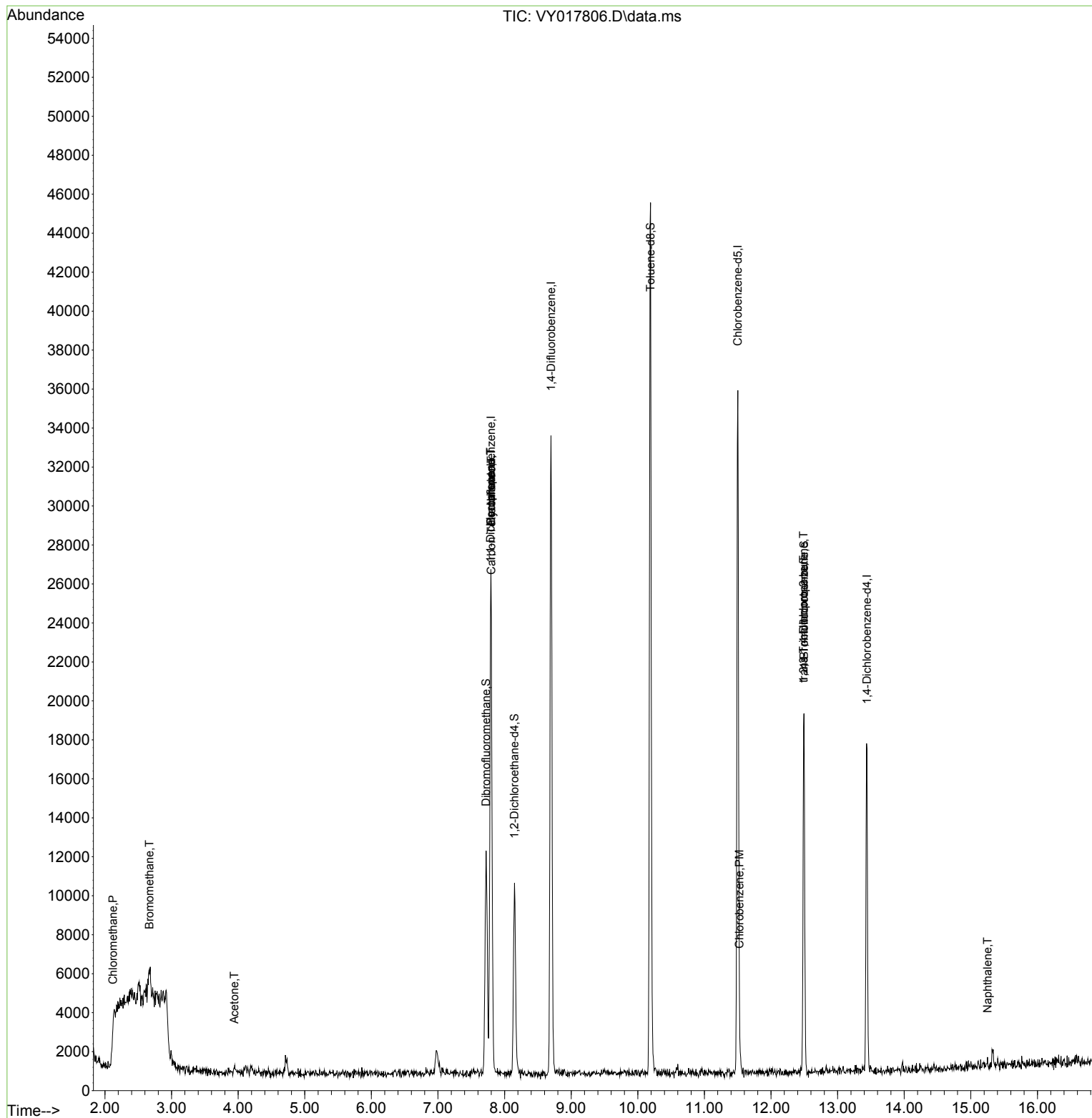
Internal Standards						
1) Pentafluorobenzene	7.795	168	20877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	29374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	20471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	4877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	7773	43.026	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.060%
35) Dibromofluoromethane	7.722	113	8453	49.801	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.600%
50) Toluene-d8	10.191	98	31994	50.461	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.920%
62) 4-Bromofluorobenzene	12.495	95	5382	27.900	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	55.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	352	1.292	ug/l	97
5) Bromomethane	2.668	94	1088	3.778	ug/l #	71
16) Acetone	3.942	43	494	13.229	ug/l #	36
31) Cyclohexane	7.795	56	466	1.464	ug/l #	49
36) 1,1-Dichloropropene	7.789	75	1736	7.010	ug/l #	44
38) Carbon Tetrachloride	7.801	117	2249	8.748	ug/l #	13
51) 4-Methyl-2-Pentanone	10.069	43	51	Below Cal	#	86
65) Chlorobenzene	11.526	112	553	1.317	ug/l #	68
76) 1,2,3-Trichloropropane	12.489	75	2851	64.151	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	2851	120.390	ug/l #	16
95) Naphthalene	15.251	128	71	1.433	ug/l #	69

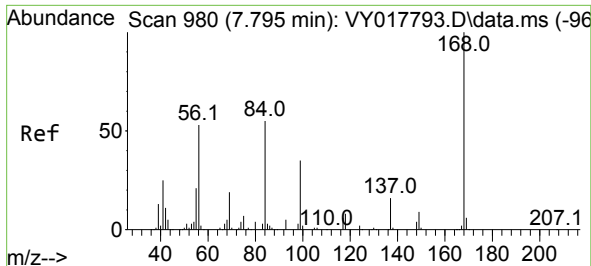
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

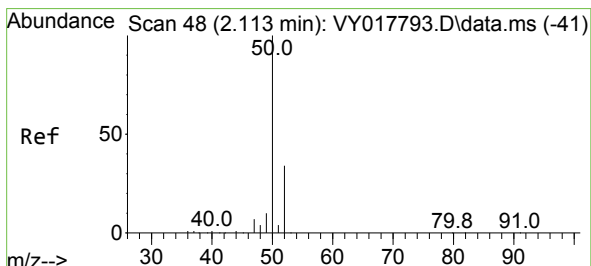
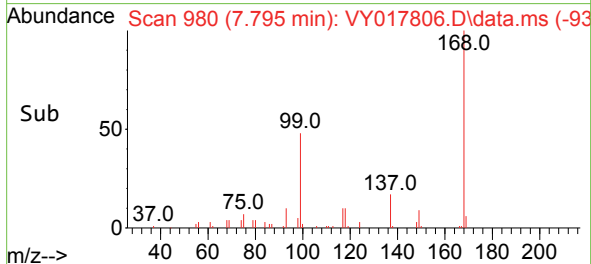
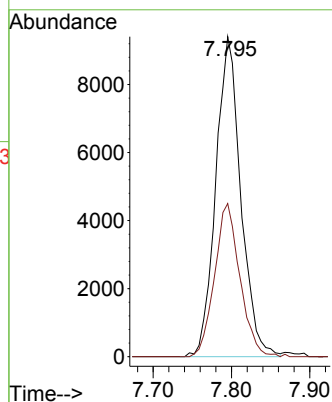
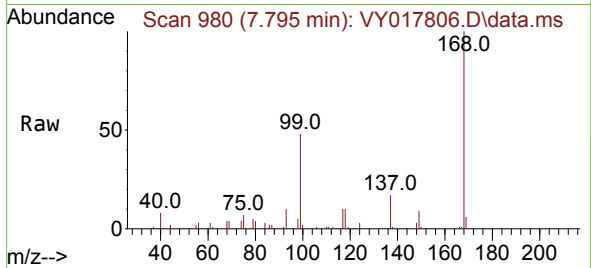




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017806.D
Acq: 01 Apr 2024 14:11

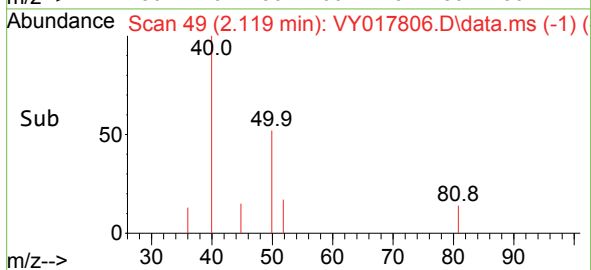
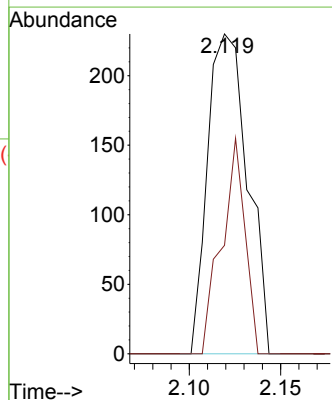
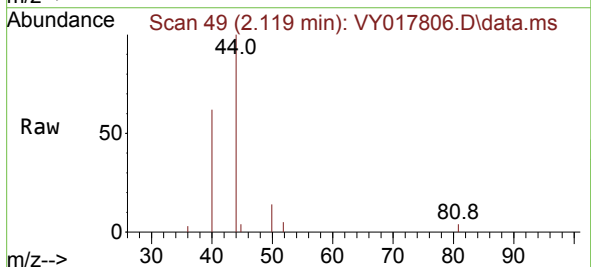
Instrument :
MSVOA_Y
ClientSampleId :
369

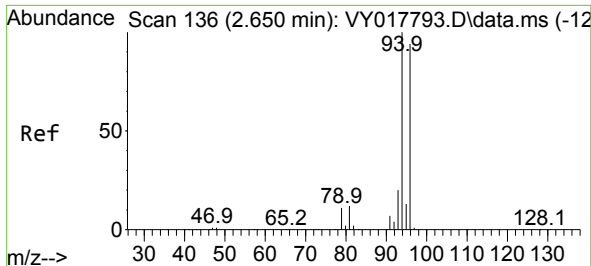
Tgt Ion:168 Resp: 20877
Ion Ratio Lower Upper
168 100
99 47.8 39.1 58.7



#3
Chloromethane
Concen: 1.292 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY017806.D
Acq: 01 Apr 2024 14:11

Tgt Ion: 50 Resp: 352
Ion Ratio Lower Upper
50 100
52 33.9 25.6 38.4

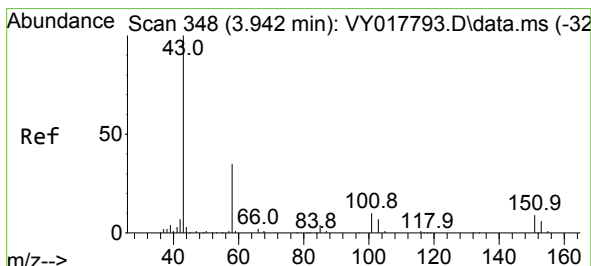
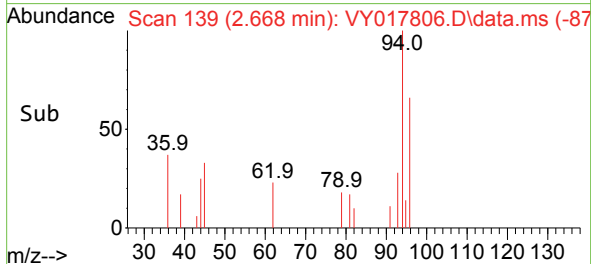
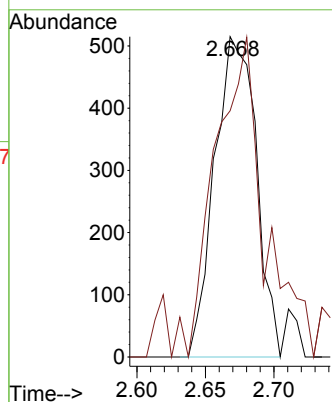
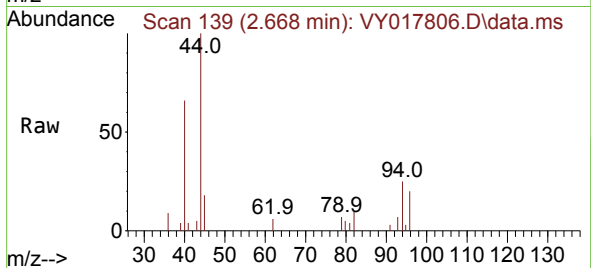




#5
Bromomethane
Concen: 3.778 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY017806.D
Acq: 01 Apr 2024 14:11

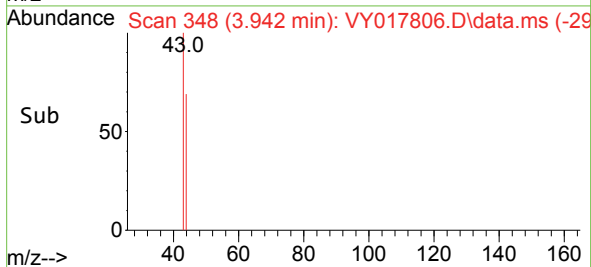
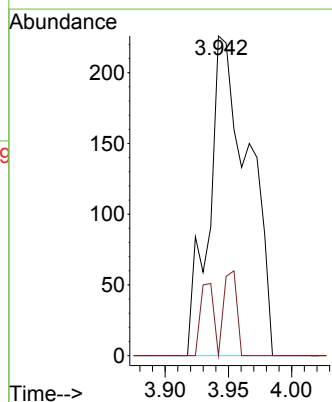
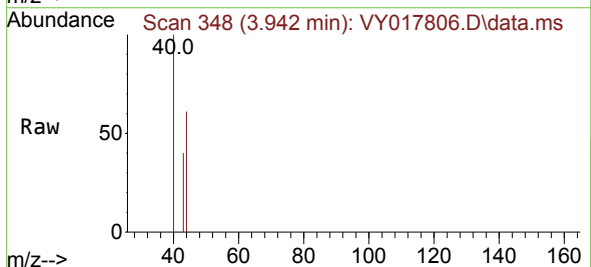
Instrument :
MSVOA_Y
ClientSampleId :
369

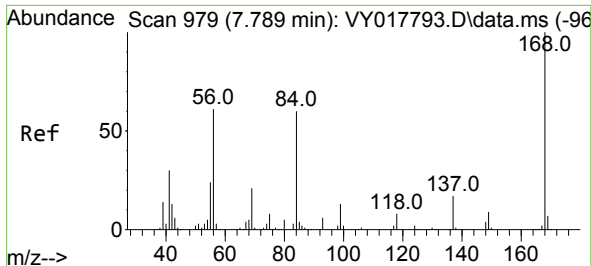
Tgt Ion: 94 Resp: 1088
Ion Ratio Lower Upper
94 100
96 64.5 74.1 111.1#



#16
Acetone
Concen: 13.229 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY017806.D
Acq: 01 Apr 2024 14:11

Tgt Ion: 43 Resp: 494
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

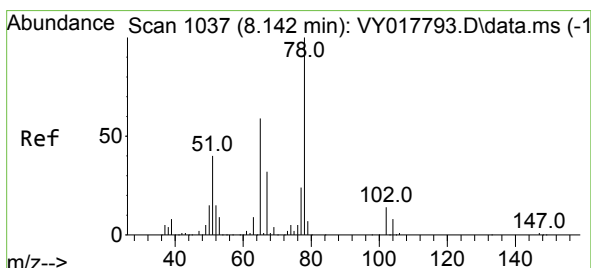
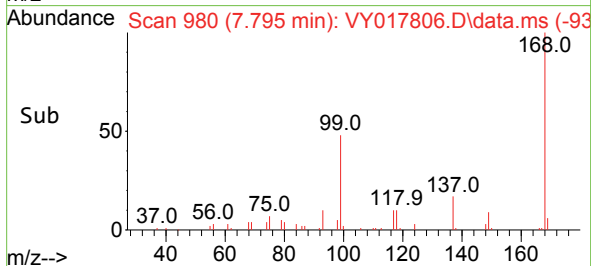
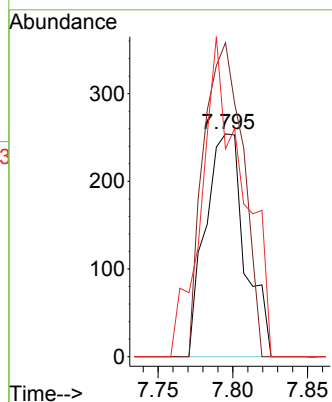
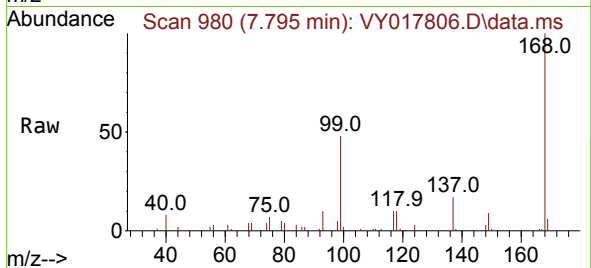




#31
Cyclohexane
Concen: 1.464 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017806.D
Acq: 01 Apr 2024 14:11

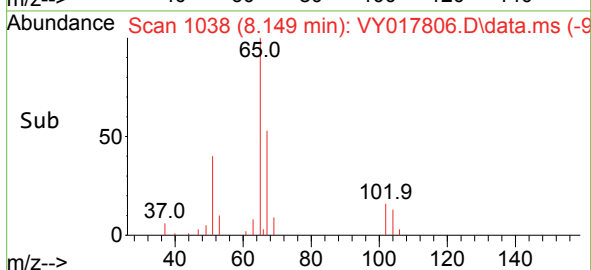
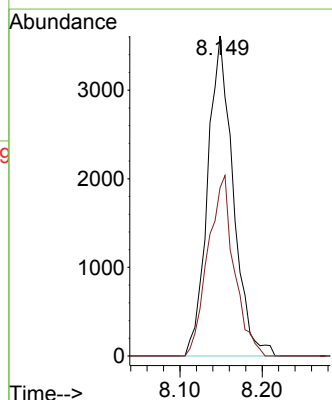
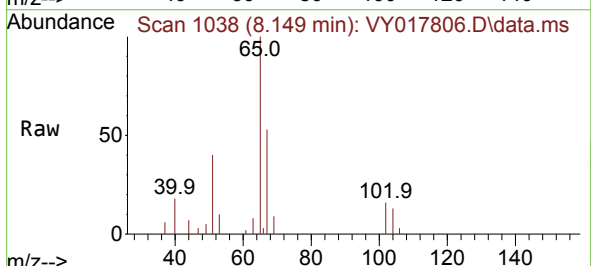
Instrument :
MSVOA_Y
ClientSampleId :
369

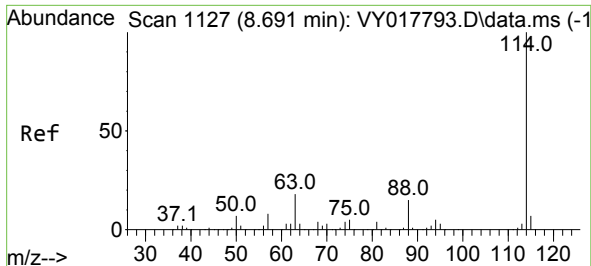
Tgt Ion: 56 Resp: 466
Ion Ratio Lower Upper
56 100
69 140.9 28.7 43.1#
84 93.3 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 43.026 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY017806.D
Acq: 01 Apr 2024 14:11

Tgt Ion: 65 Resp: 7773
Ion Ratio Lower Upper
65 100
67 58.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY017806.D

Acq: 01 Apr 2024 14:11

Instrument :

MSVOA_Y

ClientSampleId :

369

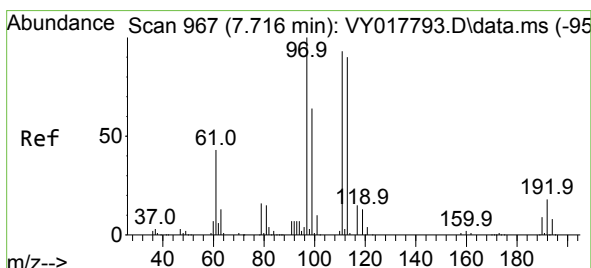
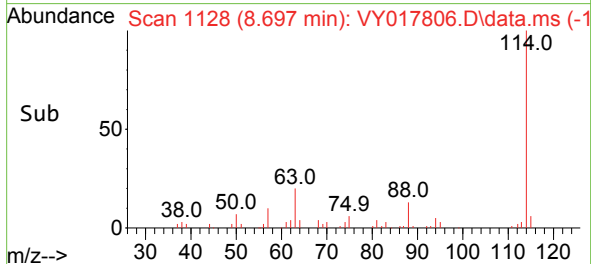
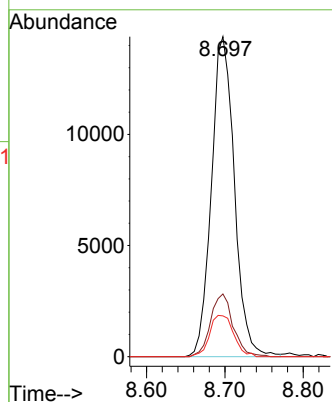
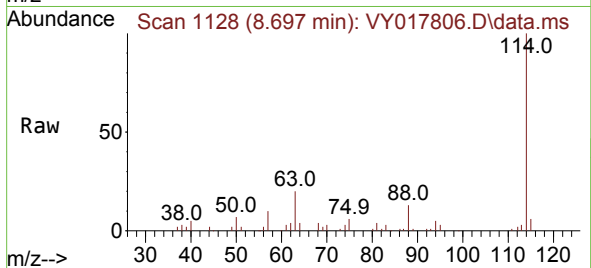
Tgt Ion:114 Resp: 29374

Ion Ratio Lower Upper

114 100

63 19.6 0.0 35.0

88 12.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.801 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY017806.D

Acq: 01 Apr 2024 14:11

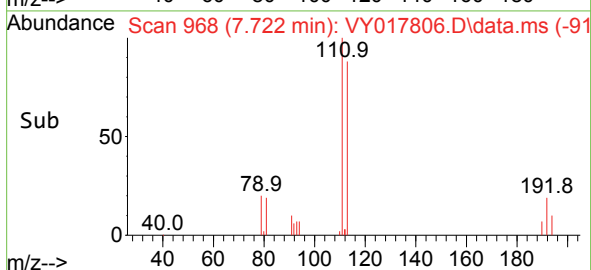
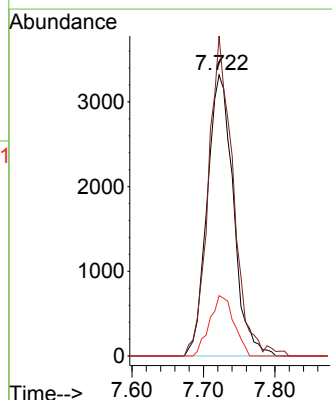
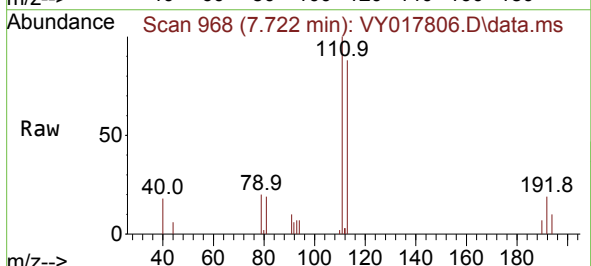
Tgt Ion:113 Resp: 8453

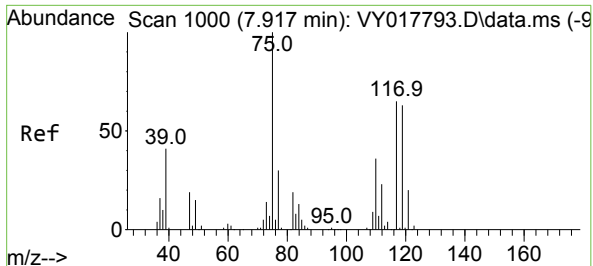
Ion Ratio Lower Upper

113 100

111 107.8 82.2 123.4

192 19.9 15.9 23.9

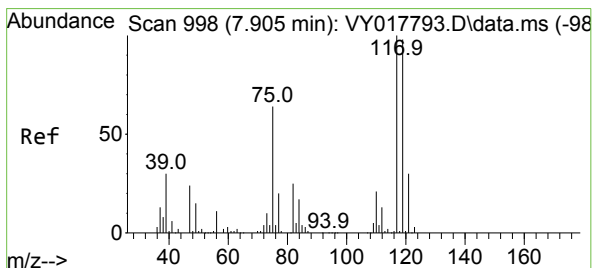
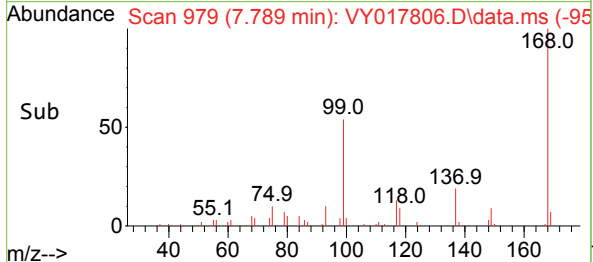
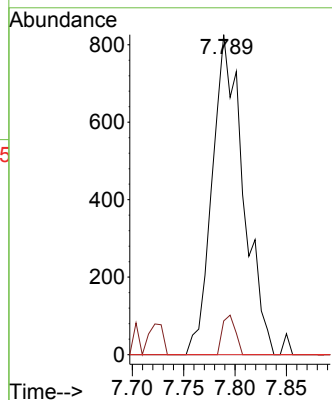
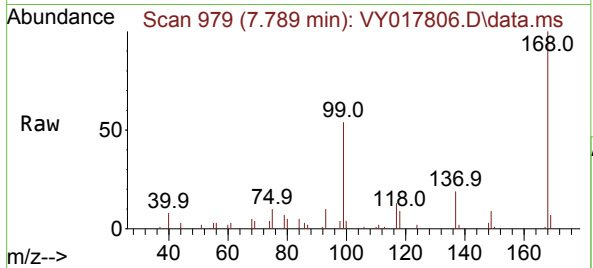




#36
1,1-Dichloropropene
Concen: 7.010 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017806.D
Acq: 01 Apr 2024 14:11

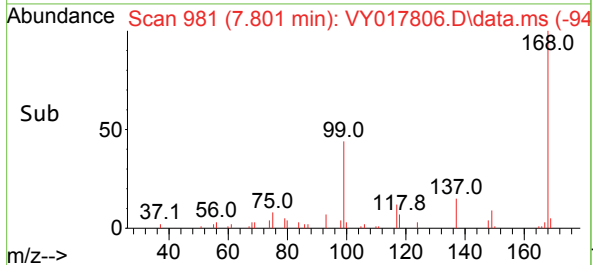
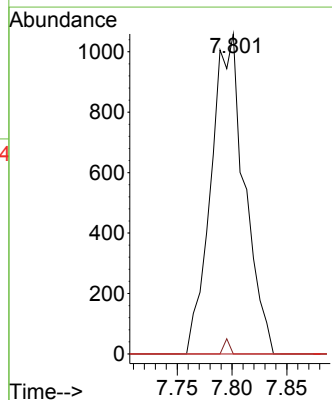
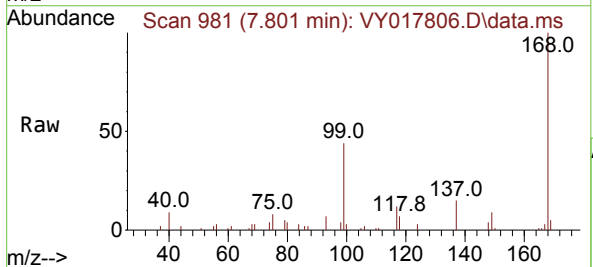
Instrument :
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ClientSampleId :
369

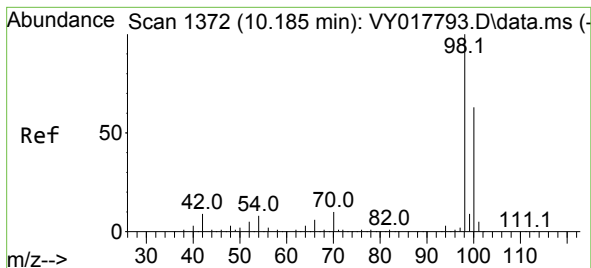
Tgt Ion: 75 Resp: 1736
Ion Ratio Lower Upper
75 100
110 5.1 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 8.748 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY017806.D
Acq: 01 Apr 2024 14:11

Tgt Ion: 117 Resp: 2249
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 50.461 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017806.D

Acq: 01 Apr 2024 14:11

Instrument :

MSVOA_Y

ClientSampleId :

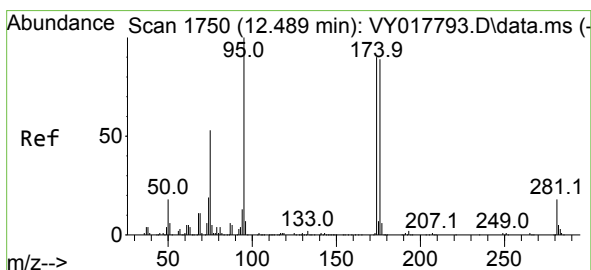
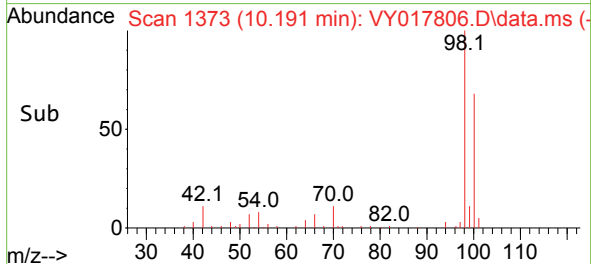
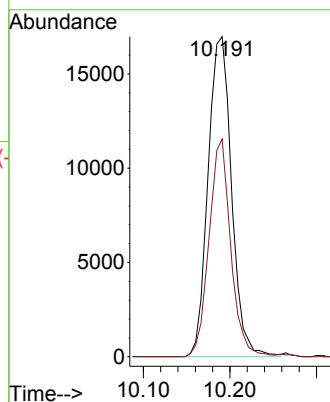
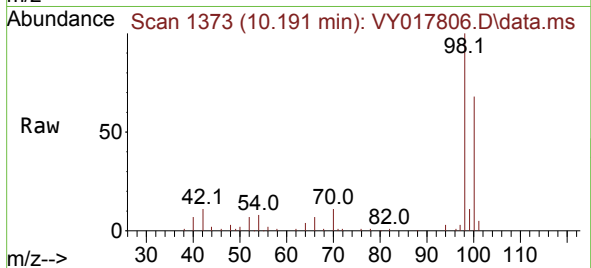
369

Tgt Ion: 98 Resp: 31994

Ion Ratio Lower Upper

98 100

100 62.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 27.900 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY017806.D

Acq: 01 Apr 2024 14:11

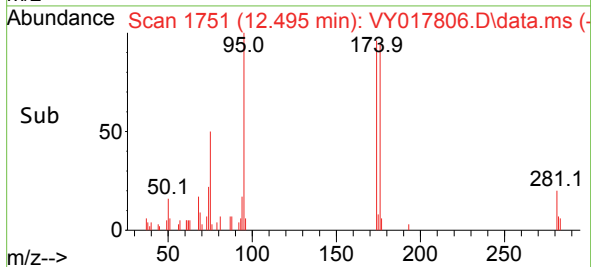
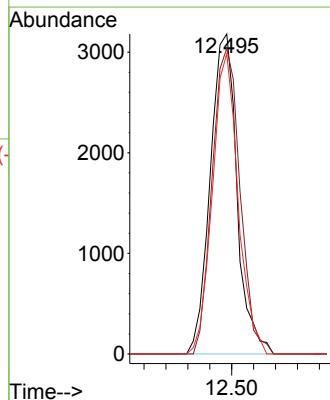
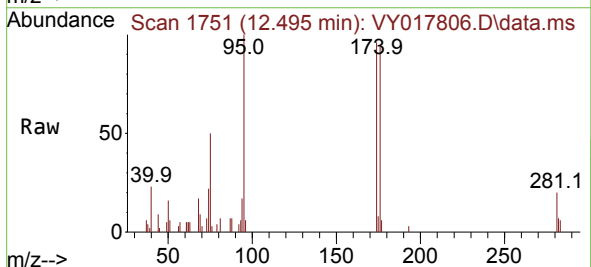
Tgt Ion: 95 Resp: 5382

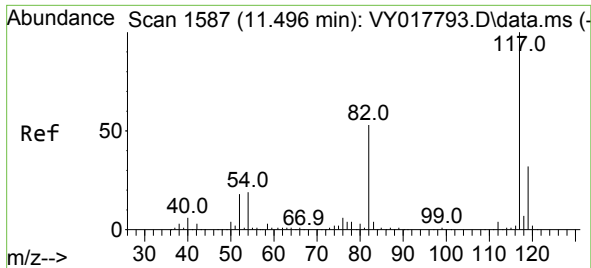
Ion Ratio Lower Upper

95 100

174 99.6 0.0 175.6

176 90.3 0.0 171.4

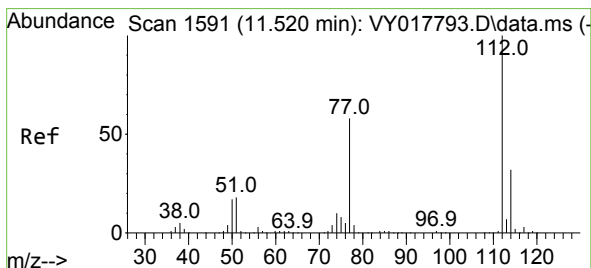
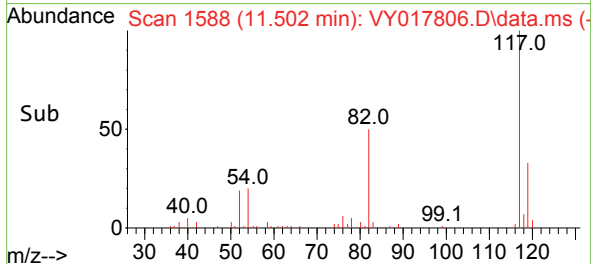
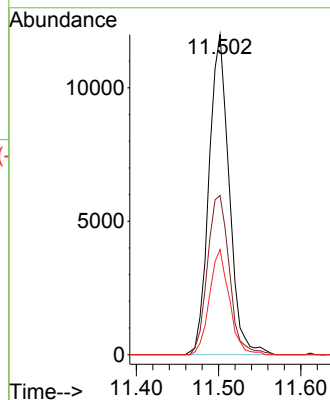
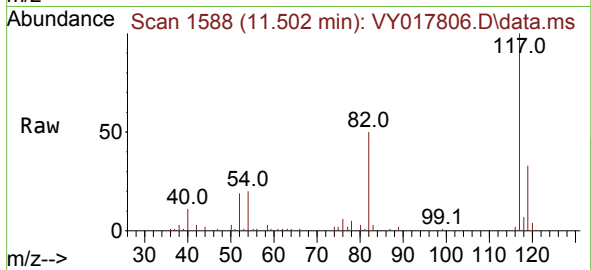




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY017806.D
Acq: 01 Apr 2024 14:11

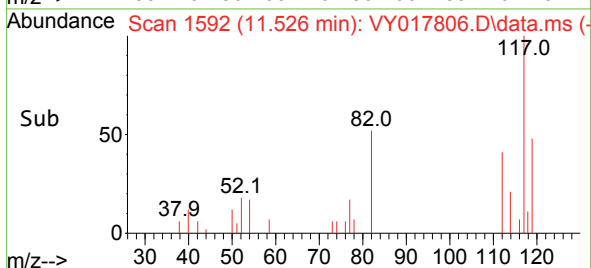
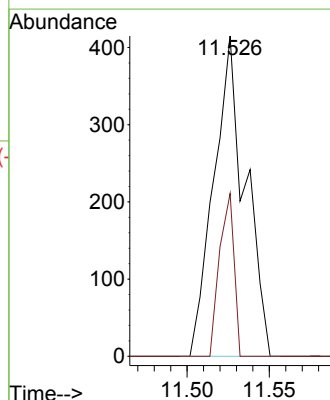
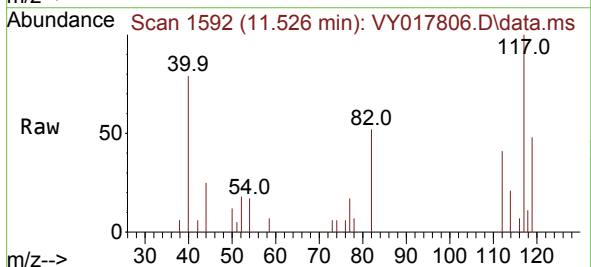
Instrument :
MSVOA_Y
ClientSampleId :
369

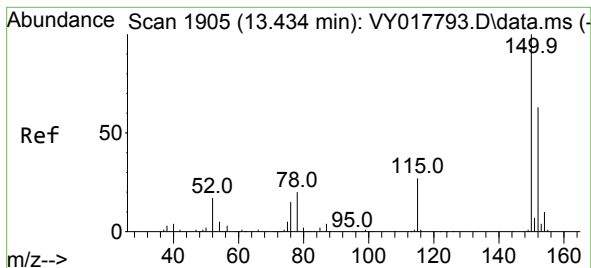
Tgt Ion:117 Resp: 20471
Ion Ratio Lower Upper
117 100
82 49.7 42.4 63.6
119 32.9 25.9 38.9



#65
Chlorobenzene
Concen: 1.317 ug/l
RT: 11.526 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY017806.D
Acq: 01 Apr 2024 14:11

Tgt Ion:112 Resp: 553
Ion Ratio Lower Upper
112 100
114 50.8 26.4 39.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY017806.D

Acq: 01 Apr 2024 14:11

Instrument :

MSVOA_Y

ClientSampleId :

369

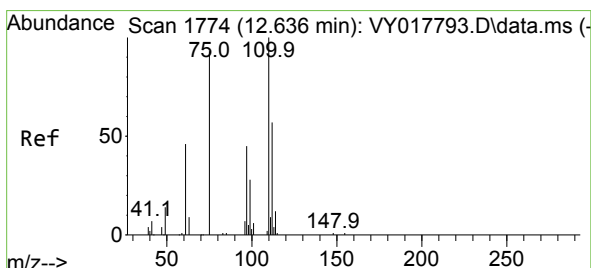
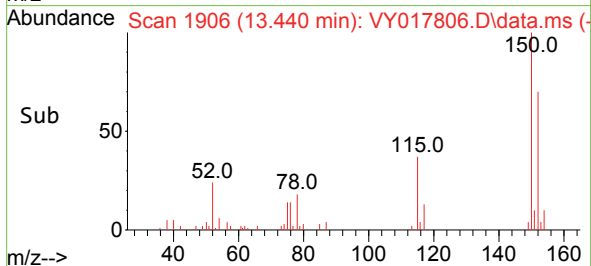
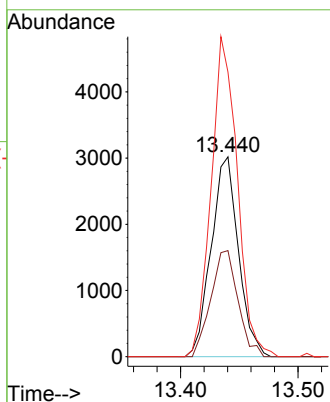
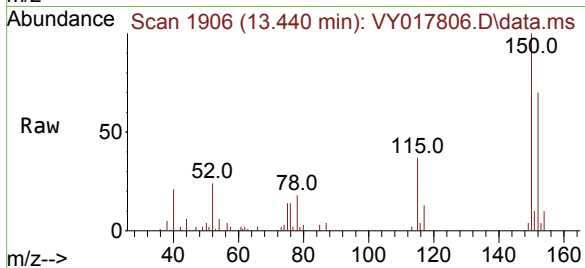
Tgt Ion:152 Resp: 4877

Ion Ratio Lower Upper

152 100

115 52.9 28.2 84.7

150 153.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 64.151 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017806.D

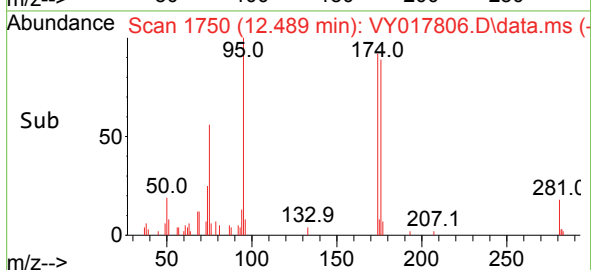
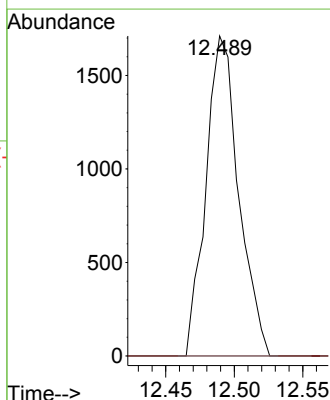
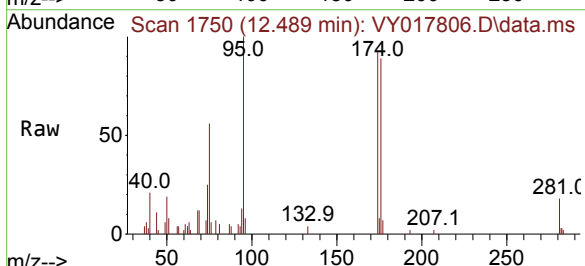
Acq: 01 Apr 2024 14:11

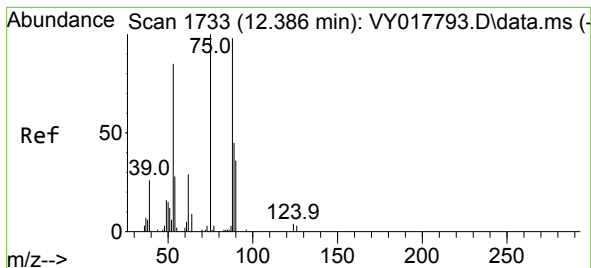
Tgt Ion: 75 Resp: 2851

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

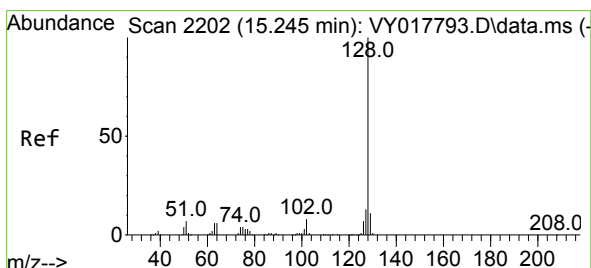
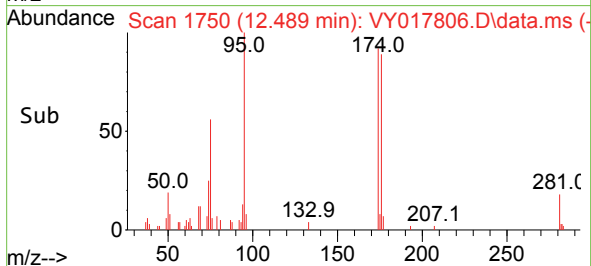
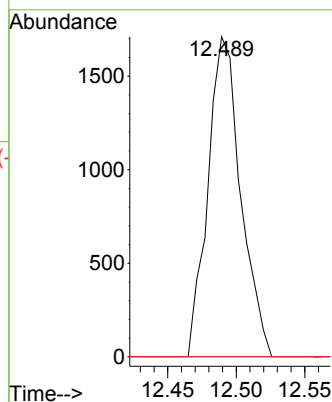
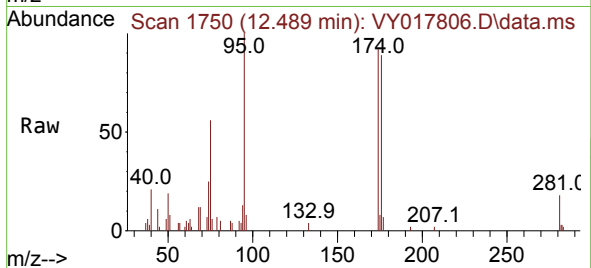




#81
trans-1,4-Dichloro-2-butene
Concen: 120.390 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY017806.D
Acq: 01 Apr 2024 14:11

Instrument :
MSVOA_Y
ClientSampleId :
369

Tgt Ion: 75 Resp: 2851
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 1.433 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY017806.D
Acq: 01 Apr 2024 14:11

Tgt Ion:128 Resp: 71
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

