

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040124\
 Data File : VY017809.D
 Acq On : 01 Apr 2024 16:12
 Operator : SY/MD
 Sample : P1737-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 369RE

Quant Time: Apr 02 03:21:41 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)

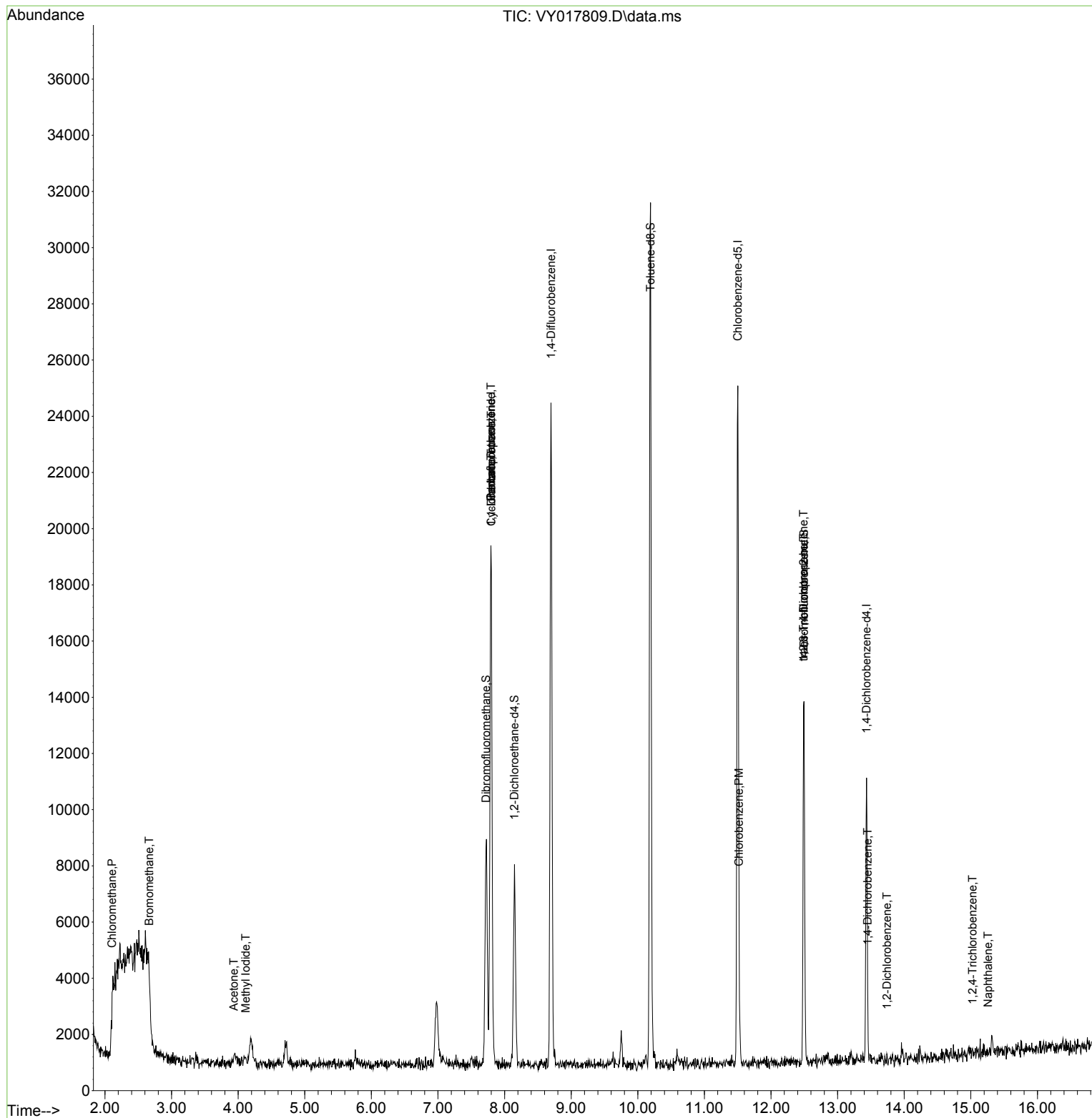
Internal Standards						
1) Pentafluorobenzene	7.795	168	15496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	20841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	14143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	3006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	5246	39.122	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.240%
35) Dibromofluoromethane	7.722	113	6078	50.470	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.940%
50) Toluene-d8	10.191	98	21713	48.267	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.540%
62) 4-Bromofluorobenzene	12.495	95	3659	26.734	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	53.460%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	433	2.141	ug/l	94
5) Bromomethane	2.662	94	653	3.055	ug/l	98
10) Methyl Iodide	4.113	142	472	2.808	ug/l #	84
16) Acetone	3.936	43	739	26.661	ug/l #	36
20) Methylene Chloride	4.704	84	380	Below Cal	#	78
31) Cyclohexane	7.801	56	334	1.414	ug/l #	53
36) 1,1-Dichloropropene	7.801	75	1210	6.886	ug/l #	40
38) Carbon Tetrachloride	7.795	117	1338	7.335	ug/l #	13
51) 4-Methyl-2-Pentanone	10.173	43	22	Below Cal	#	1
65) Chlorobenzene	11.520	112	392	1.351	ug/l #	42
76) 1,2,3-Trichloropropane	12.489	75	1818	66.369	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	1818	123.480	ug/l #	16
88) 1,4-Dichlorobenzene	13.453	146	107	1.123	ug/l #	25
91) 1,2-Dichlorobenzene	13.739	146	97	1.175	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.025	180	52	1.150	ug/l #	12
95) Naphthalene	15.257	128	27	1.158	ug/l #	69

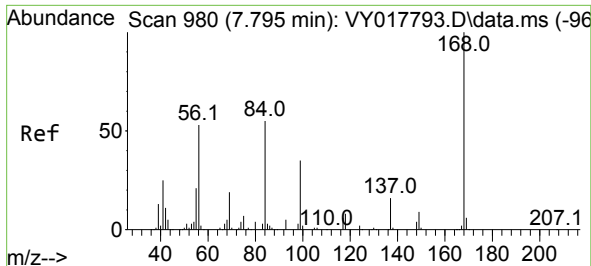
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

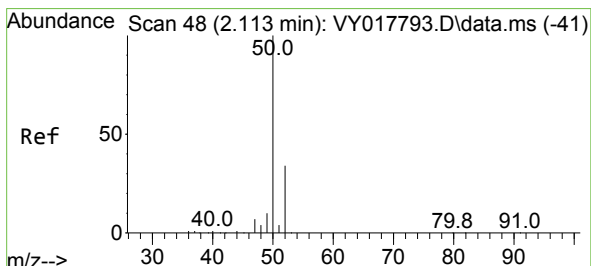
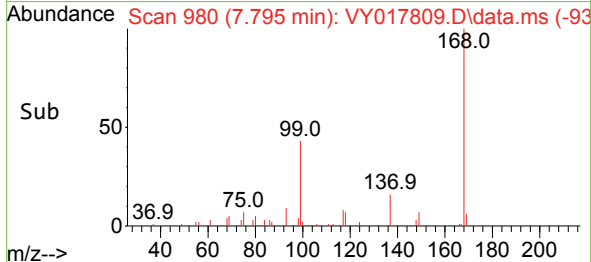
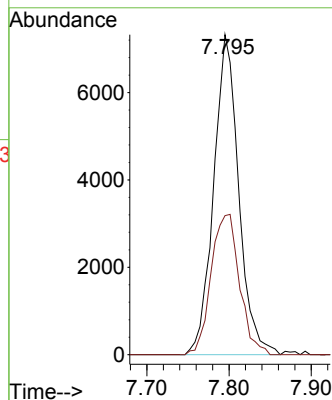
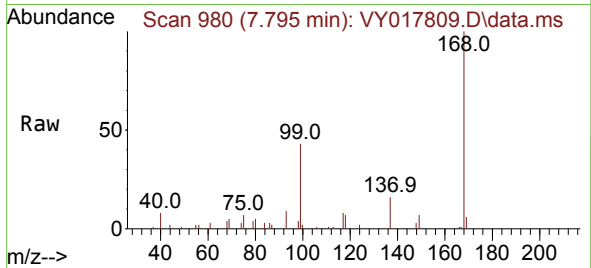




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017809.D
Acq: 01 Apr 2024 16:12

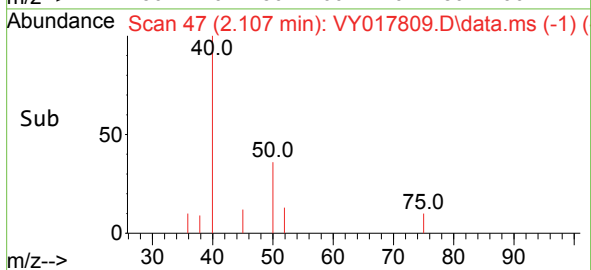
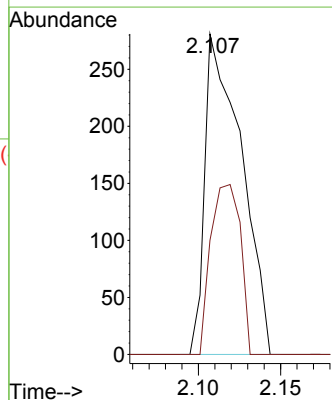
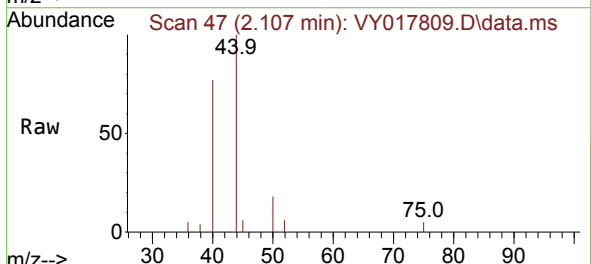
Instrument :
MSVOA_Y
ClientSampleId :
369RE

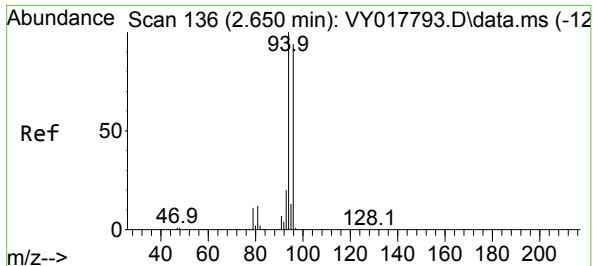
Tgt Ion:168 Resp: 15496
Ion Ratio Lower Upper
168 100
99 43.5 39.1 58.7



#3
Chloromethane
Concen: 2.141 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY017809.D
Acq: 01 Apr 2024 16:12

Tgt Ion: 50 Resp: 433
Ion Ratio Lower Upper
50 100
52 35.6 25.6 38.4

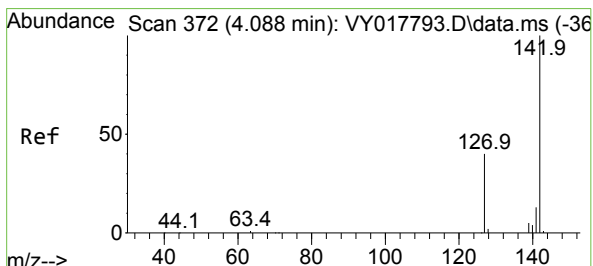
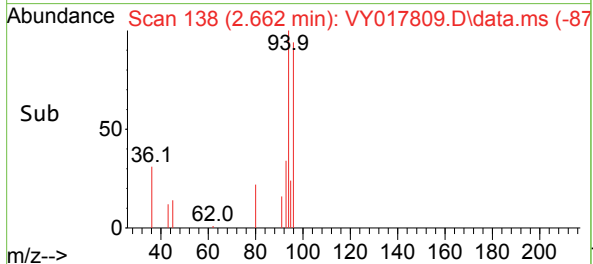
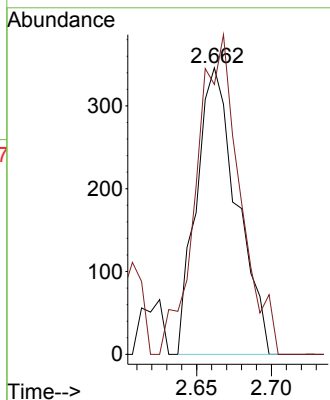
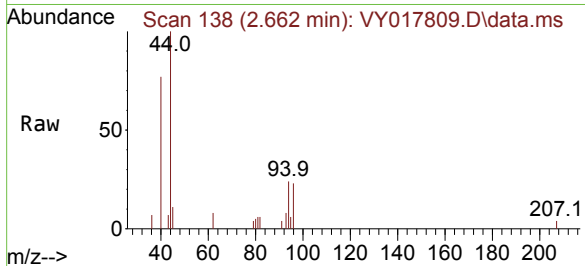




#5
Bromomethane
Concen: 3.055 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY017809.D
Acq: 01 Apr 2024 16:12

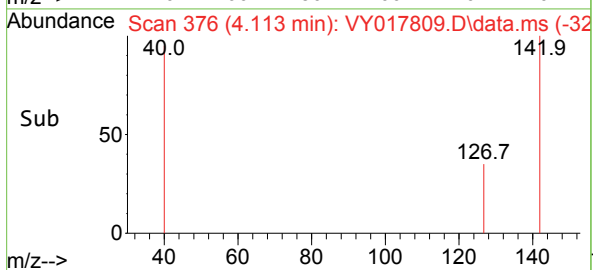
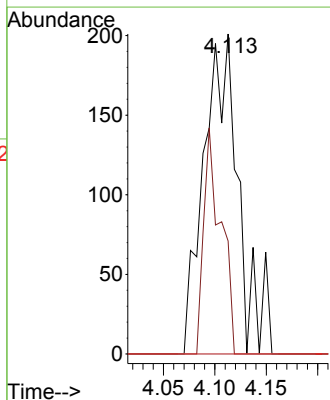
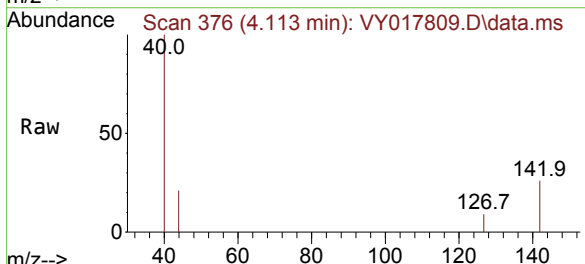
Instrument :
MSVOA_Y
ClientSampleId :
369RE

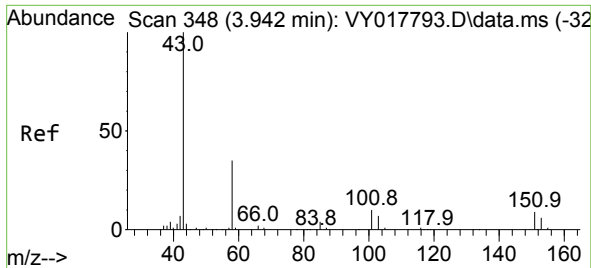
Tgt Ion: 94 Resp: 653
Ion Ratio Lower Upper
94 100
96 94.2 74.1 111.1



#10
Methyl Iodide
Concen: 2.808 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.025 min
Lab File: VY017809.D
Acq: 01 Apr 2024 16:12

Tgt Ion: 142 Resp: 472
Ion Ratio Lower Upper
142 100
127 35.2 32.8 49.2
141 0.0 11.4 17.2#

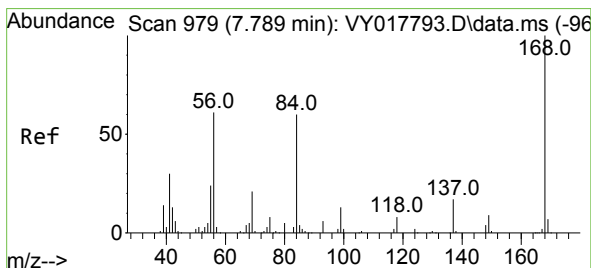
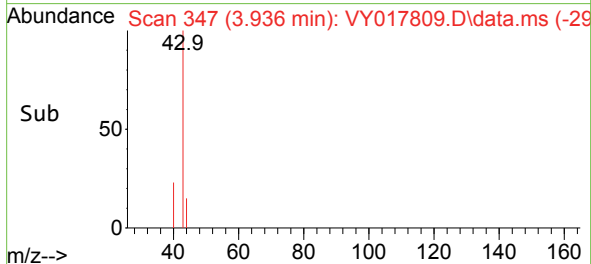
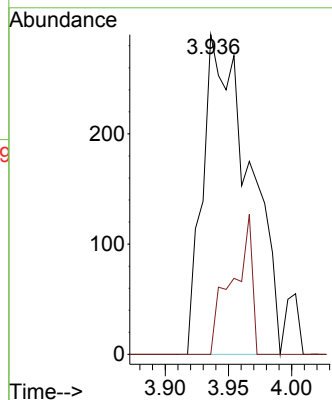
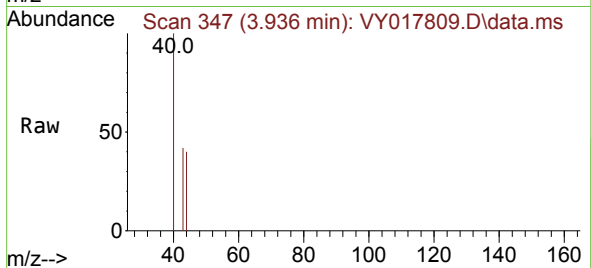




#16
Acetone
Concen: 26.661 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY017809.D
Acq: 01 Apr 2024 16:12

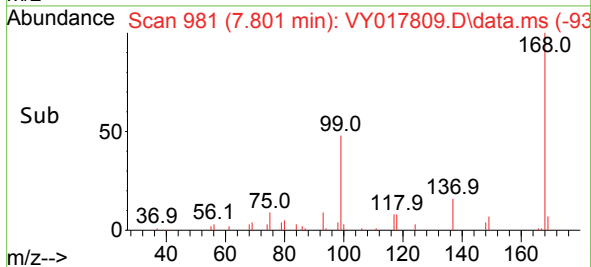
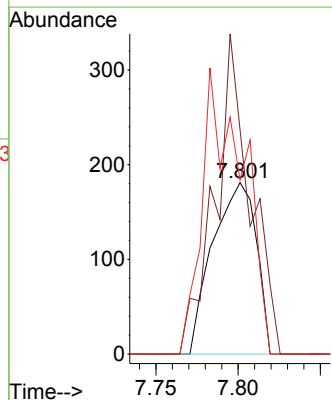
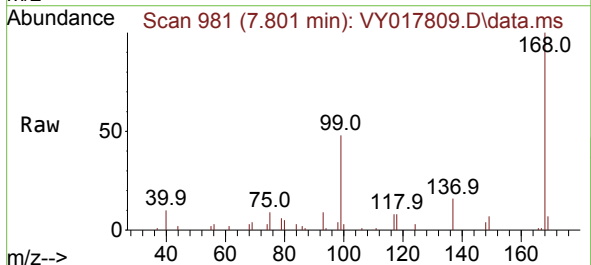
Instrument :
MSVOA_Y
ClientSampleId :
369RE

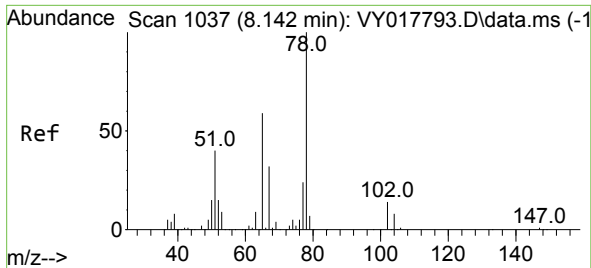
Tgt Ion: 43 Resp: 739
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#31
Cyclohexane
Concen: 1.414 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY017809.D
Acq: 01 Apr 2024 16:12

Tgt Ion: 56 Resp: 334
Ion Ratio Lower Upper
56 100
69 130.9 28.7 43.1#
84 101.7 77.7 116.5

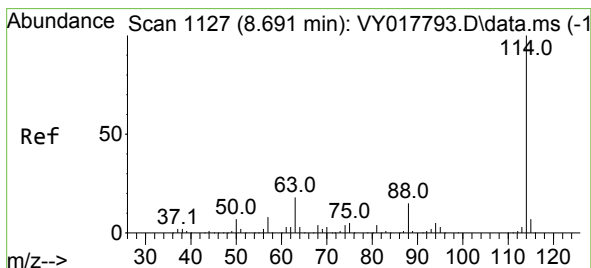
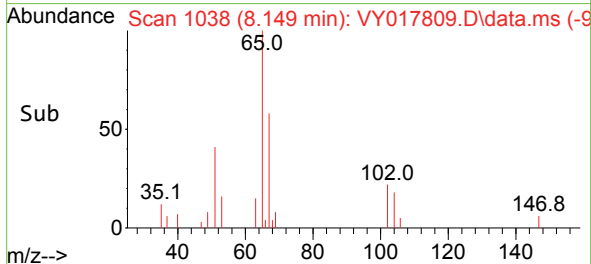
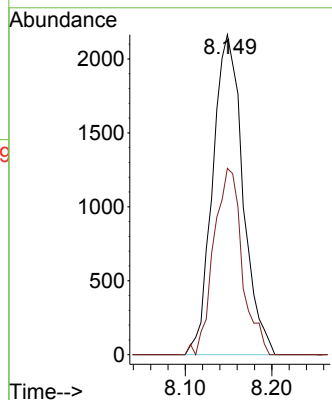
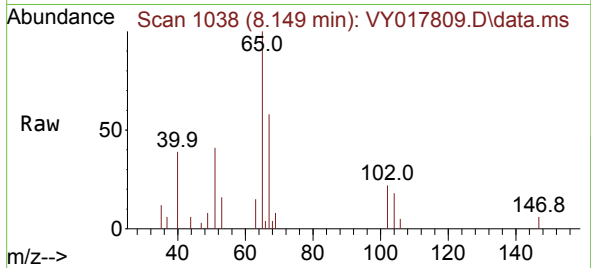




#33
1,2-Dichloroethane-d4
Concen: 39.122 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY017809.D
Acq: 01 Apr 2024 16:12

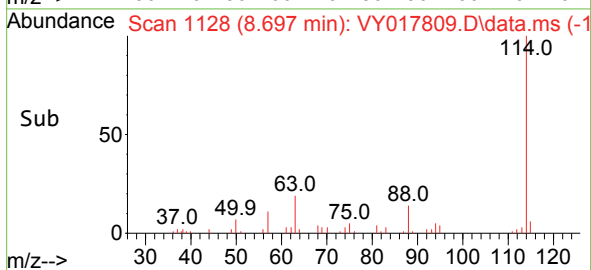
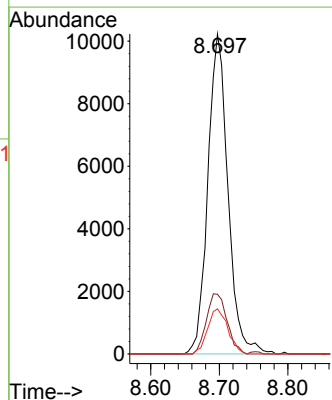
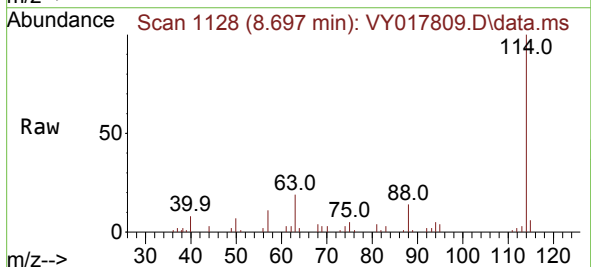
Instrument :
MSVOA_Y
ClientSampleId :
369RE

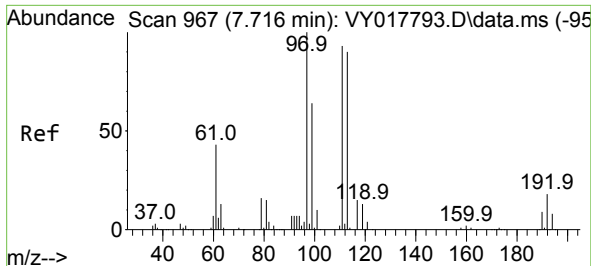
Tgt Ion: 65 Resp: 5246
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY017809.D
Acq: 01 Apr 2024 16:12

Tgt Ion: 114 Resp: 20841
Ion Ratio Lower Upper
114 100
63 18.7 0.0 35.0
88 14.1 0.0 27.2





#35

Dibromofluoromethane

Concen: 50.470 ug/l

RT: 7.722 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY017809.D

Acq: 01 Apr 2024 16:12

Instrument :

MSVOA_Y

ClientSampleId :

369RE

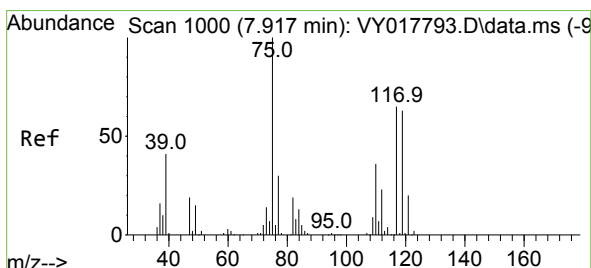
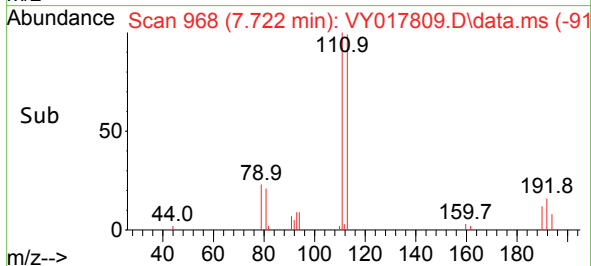
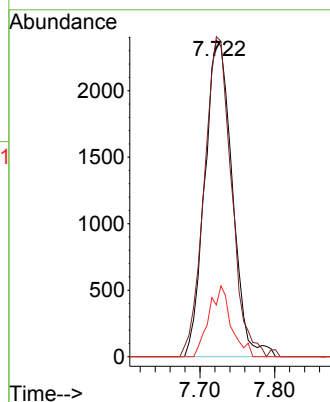
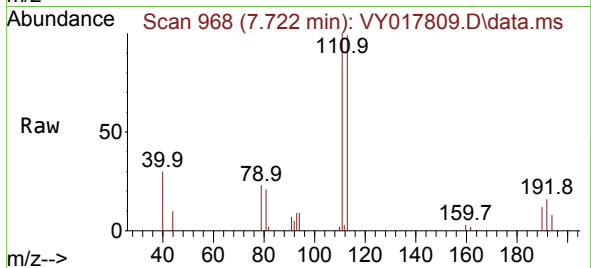
Tgt Ion:113 Resp: 6078

Ion Ratio Lower Upper

113 100

111 99.8 82.2 123.4

192 18.0 15.9 23.9



#36

1,1-Dichloropropene

Concen: 6.886 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY017809.D

Acq: 01 Apr 2024 16:12

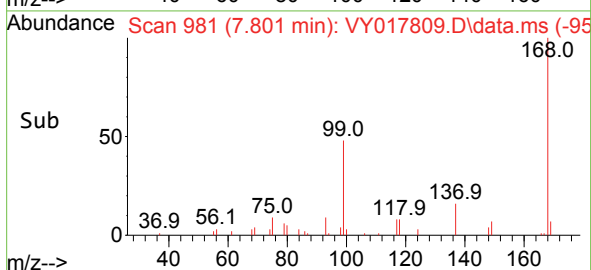
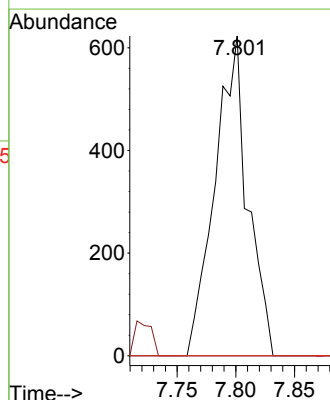
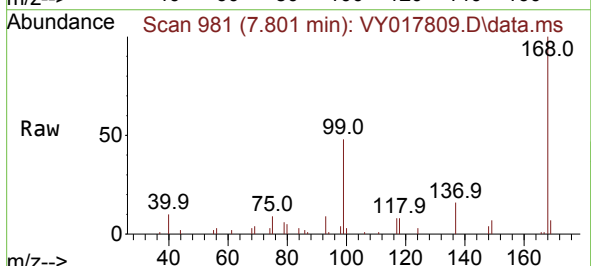
Tgt Ion: 75 Resp: 1210

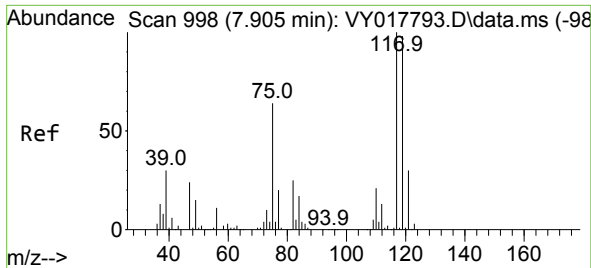
Ion Ratio Lower Upper

75 100

110 0.0 19.0 57.0#

77 0.0 25.3 37.9#

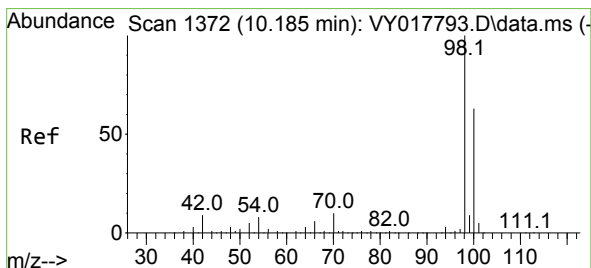
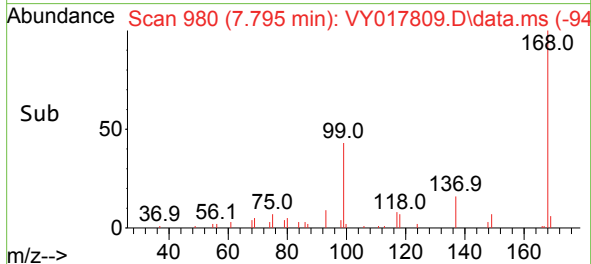
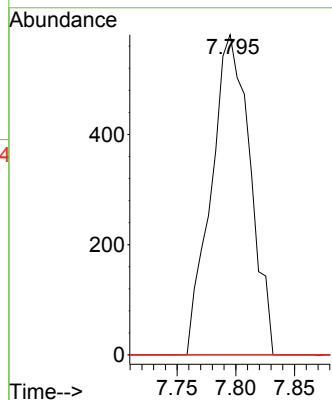
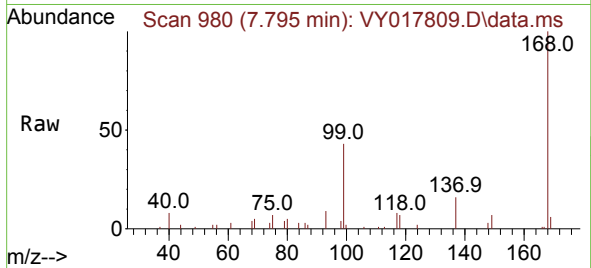




#38
Carbon Tetrachloride
Concen: 7.335 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY017809.D
Acq: 01 Apr 2024 16:12

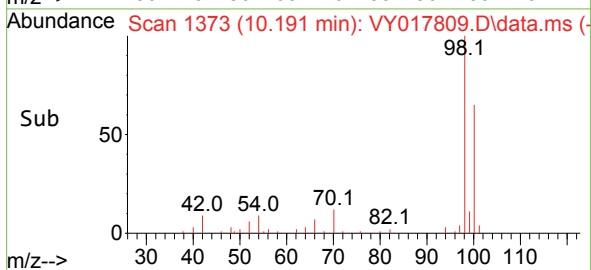
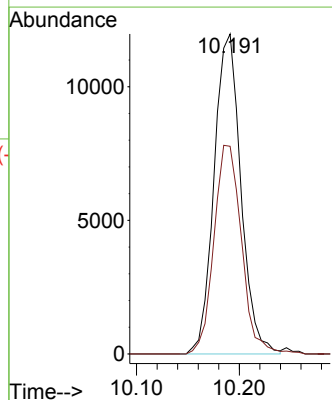
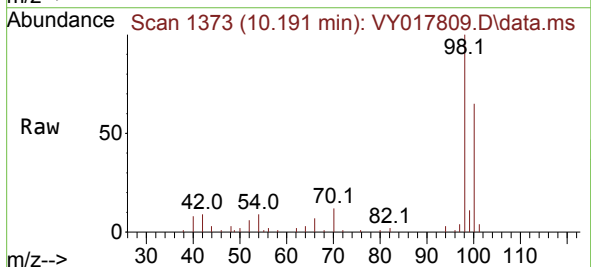
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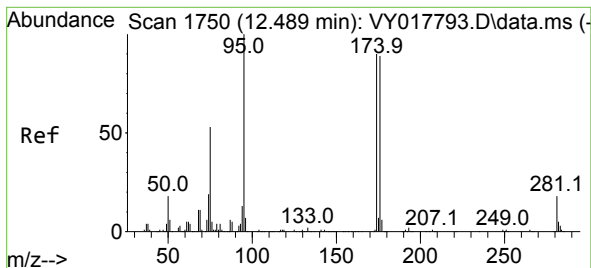
Tgt Ion:117 Resp: 1338
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.267 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY017809.D
Acq: 01 Apr 2024 16:12

Tgt Ion: 98 Resp: 21713
Ion Ratio Lower Upper
98 100
100 67.1 52.0 78.0

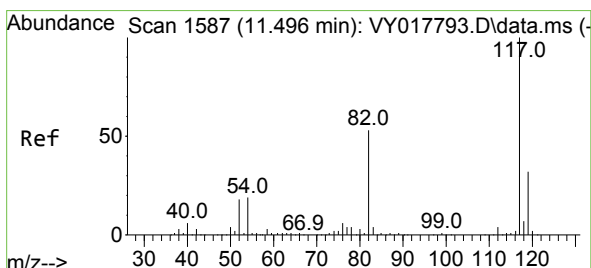
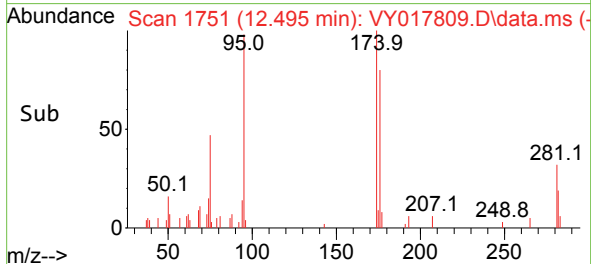
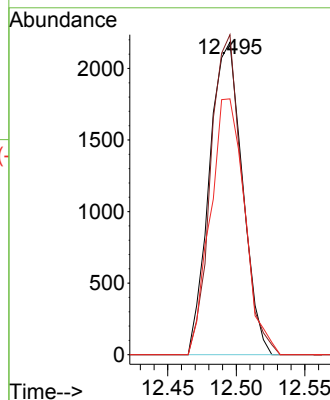
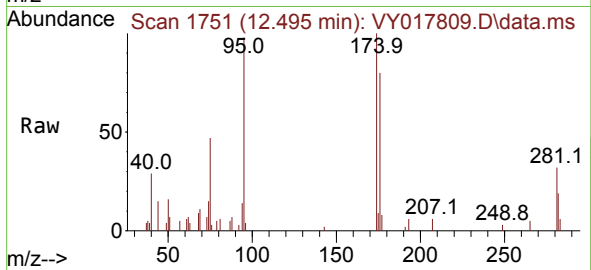




#62
4-Bromofluorobenzene
Concen: 26.734 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY017809.D
Acq: 01 Apr 2024 16:12

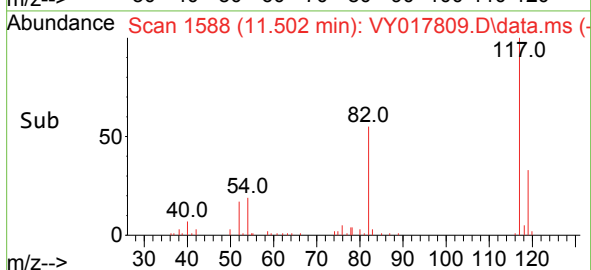
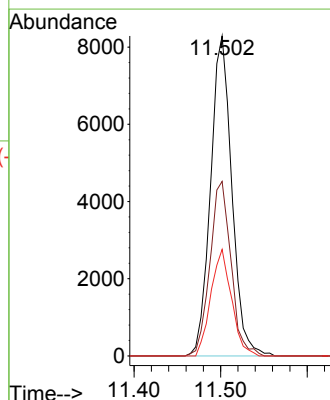
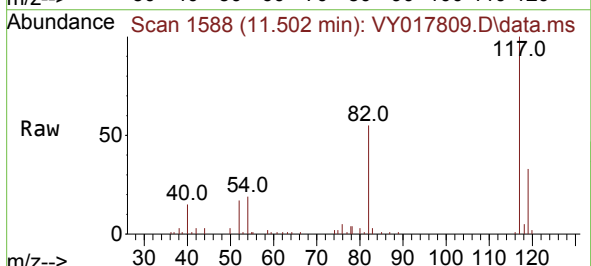
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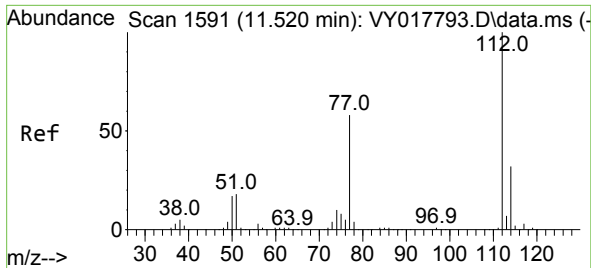
Tgt Ion: 95 Resp: 3659
Ion Ratio Lower Upper
95 100
174 97.5 0.0 175.6
176 85.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY017809.D
Acq: 01 Apr 2024 16:12

Tgt Ion: 117 Resp: 14143
Ion Ratio Lower Upper
117 100
82 54.5 42.4 63.6
119 33.3 25.9 38.9

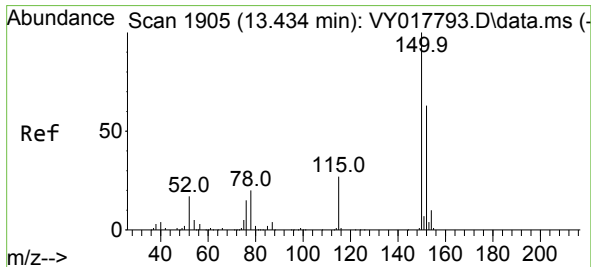
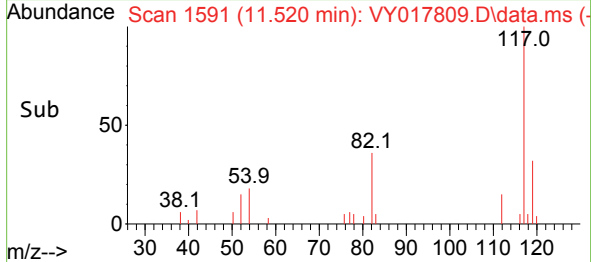
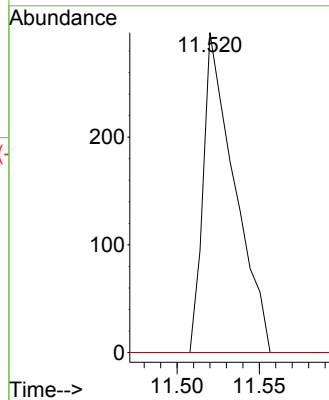
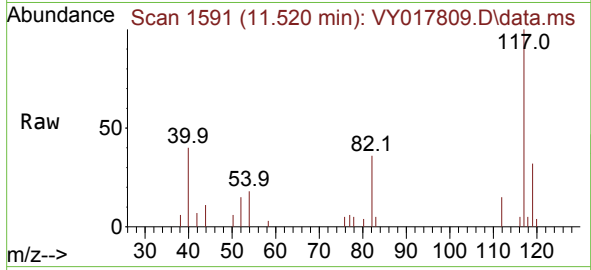




#65
Chlorobenzene
Concen: 1.351 ug/l
RT: 11.520 min Scan# 111
Delta R.T. 0.000 min
Lab File: VY017809.D
Acq: 01 Apr 2024 16:12

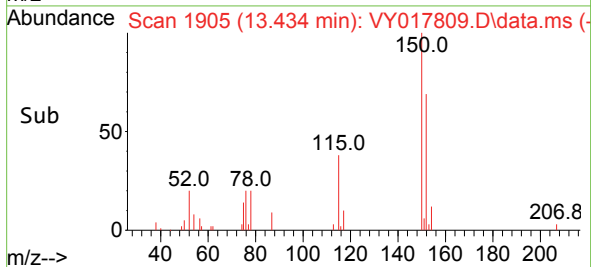
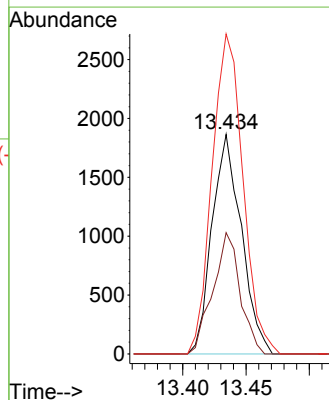
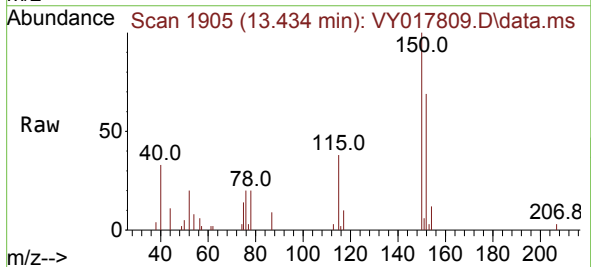
Instrument :
MSVOA_Y
ClientSampleId :
369RE

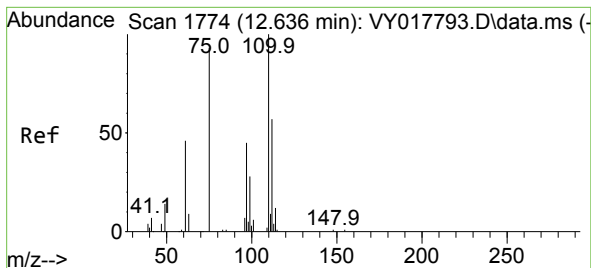
Tgt Ion:112 Resp: 392
Ion Ratio Lower Upper
112 100
114 0.0 26.4 39.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY017809.D
Acq: 01 Apr 2024 16:12

Tgt Ion:152 Resp: 3006
Ion Ratio Lower Upper
152 100
115 51.2 28.2 84.7
150 153.2 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 66.369 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017809.D

Acq: 01 Apr 2024 16:12

Instrument :

MSVOA_Y

ClientSampleId :

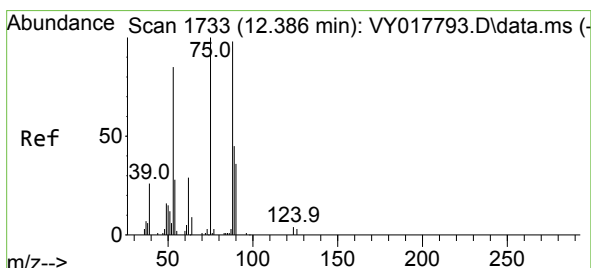
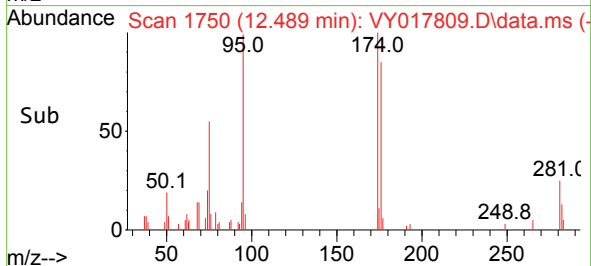
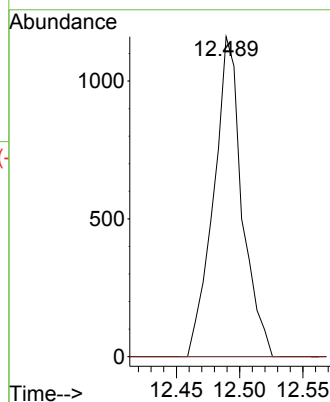
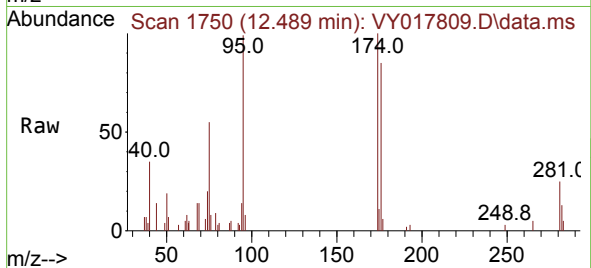
369RE

Tgt Ion: 75 Resp: 1818

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 123.480 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.103 min

Lab File: VY017809.D

Acq: 01 Apr 2024 16:12

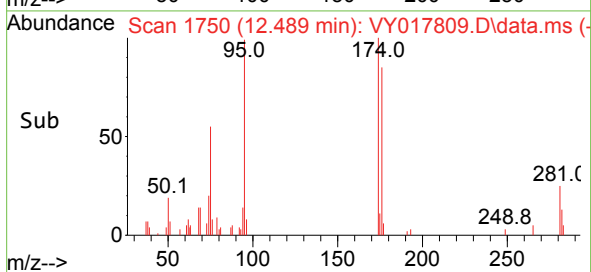
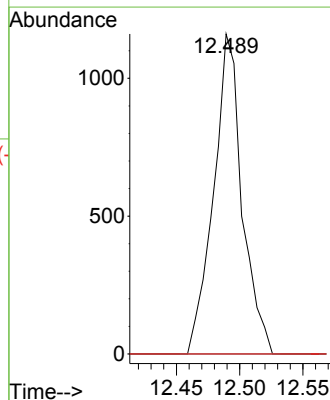
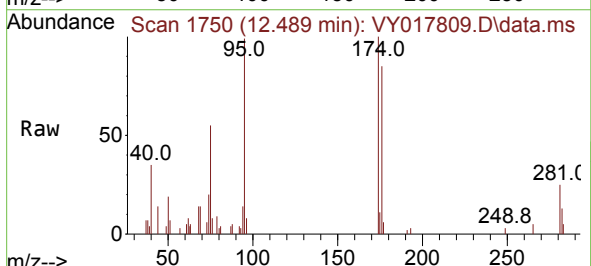
Tgt Ion: 75 Resp: 1818

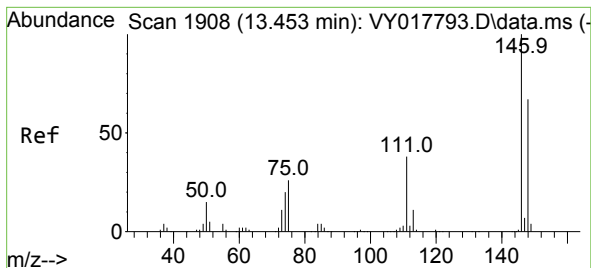
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#





#88

1,4-Dichlorobenzene

Concen: 1.123 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY017809.D

Acq: 01 Apr 2024 16:12

Instrument :

MSVOA_Y

ClientSampleId :

369RE

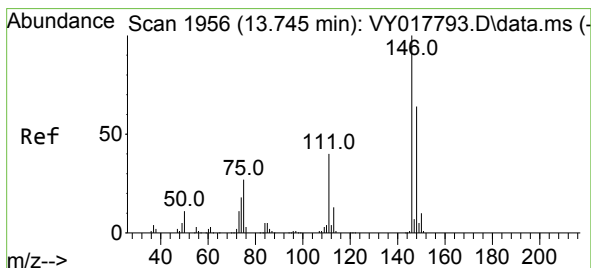
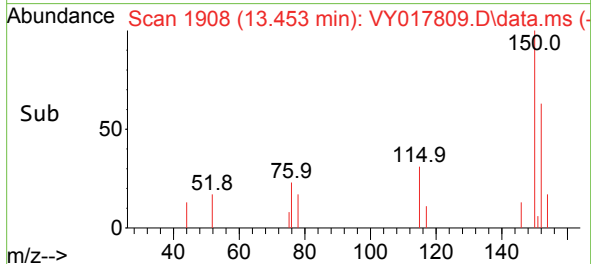
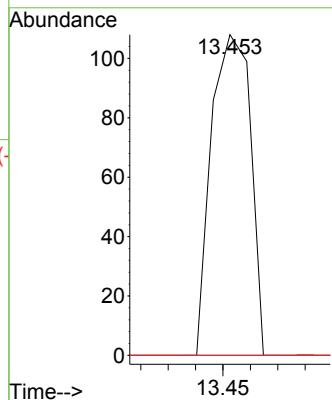
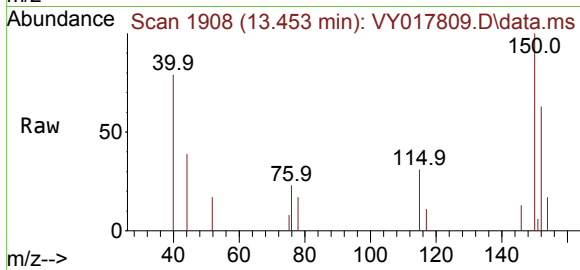
Tgt Ion:146 Resp: 107

Ion Ratio Lower Upper

146 100

111 0.0 18.4 55.4#

148 0.0 32.4 97.2#



#91

1,2-Dichlorobenzene

Concen: 1.175 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.006 min

Lab File: VY017809.D

Acq: 01 Apr 2024 16:12

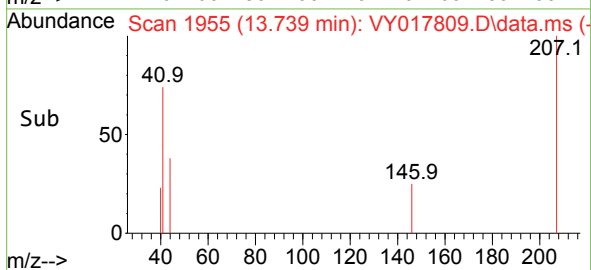
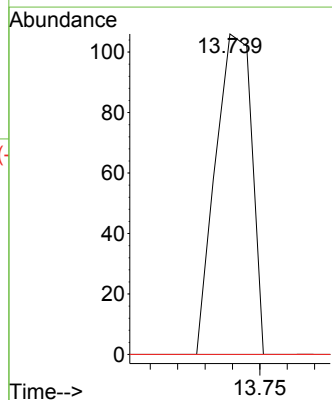
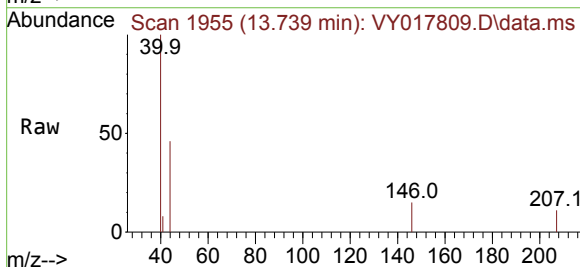
Tgt Ion:146 Resp: 97

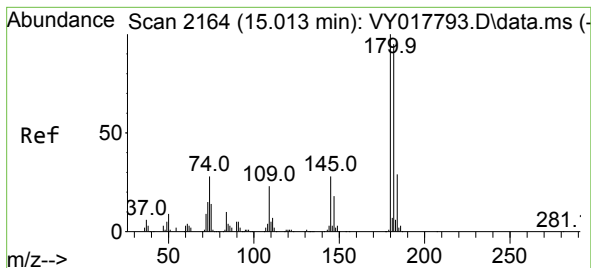
Ion Ratio Lower Upper

146 100

111 0.0 19.9 59.7#

148 0.0 31.8 95.4#





#93

1,2,4-Trichlorobenzene

Concen: 1.150 ug/l

RT: 15.025 min Scan# 2164

Delta R.T. 0.012 min

Lab File: VY017809.D

Acq: 01 Apr 2024 16:12

Instrument :

MSVOA_Y

ClientSampleId :

369RE

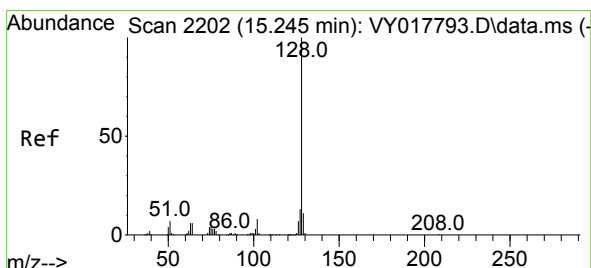
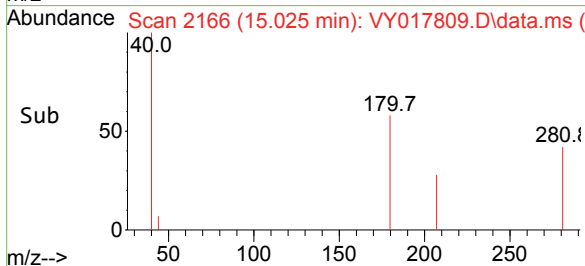
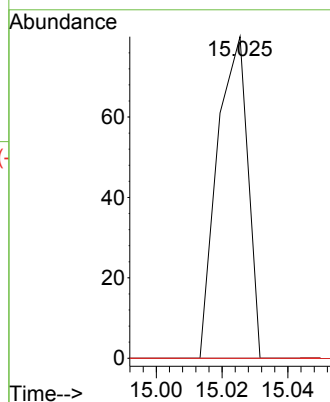
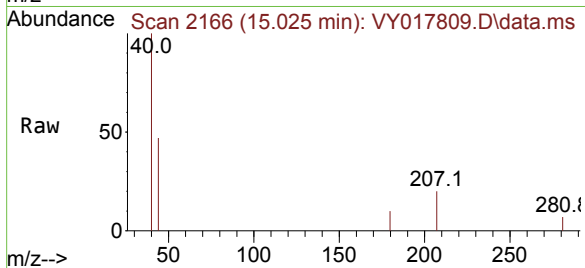
Tgt Ion:180 Resp: 52

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.8#

145 0.0 14.2 42.6#



#95

Naphthalene

Concen: 1.158 ug/l

RT: 15.257 min Scan# 2204

Delta R.T. 0.012 min

Lab File: VY017809.D

Acq: 01 Apr 2024 16:12

Tgt Ion:128 Resp: 27

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

