

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020724\
 Data File : VY017299.D
 Acq On : 07 Feb 2024 19:12
 Operator : SY/MD
 Sample : P1391-21
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-3

Quant Time: Feb 08 01:46:57 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)

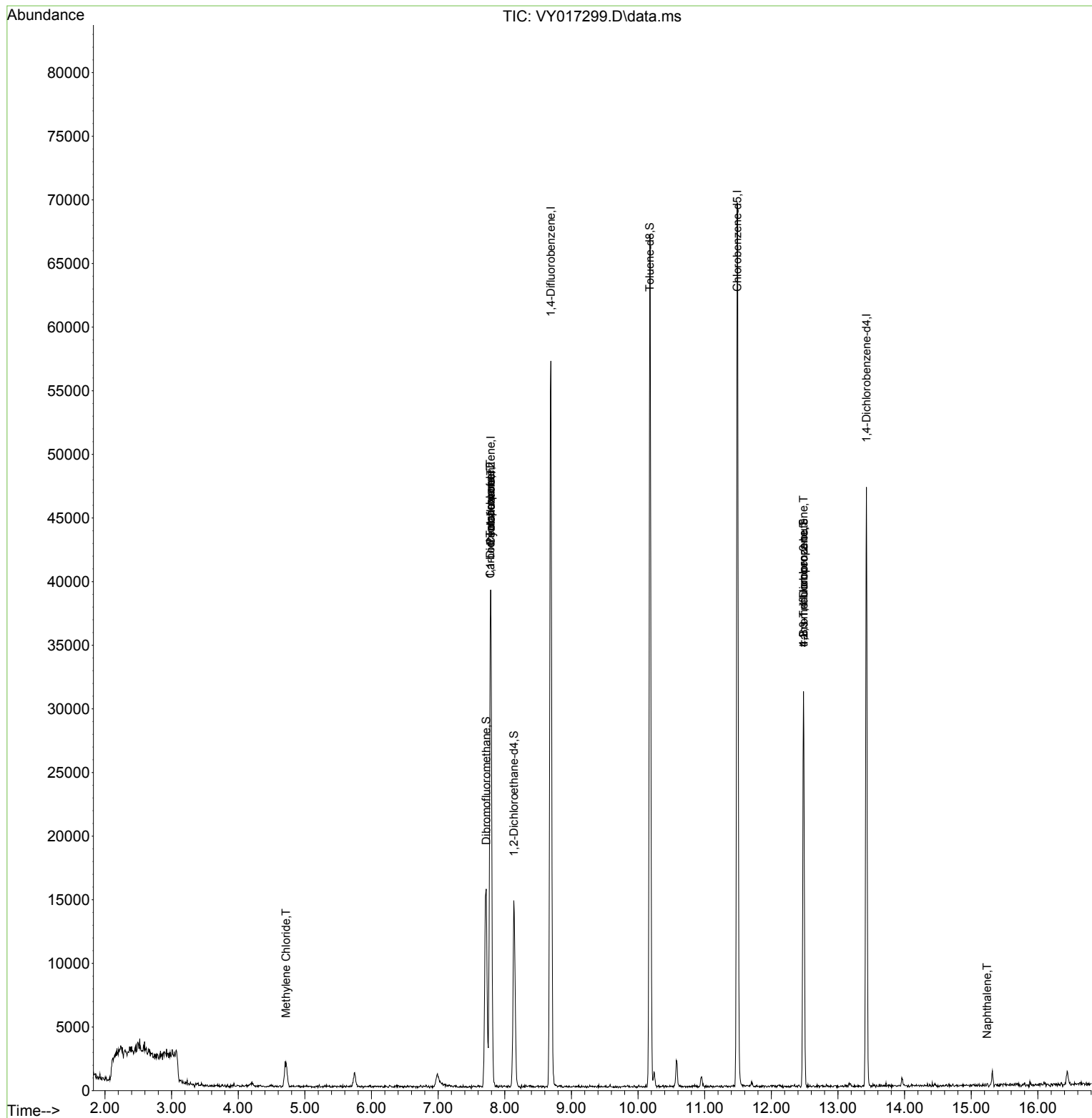
Internal Standards						
1) Pentafluorobenzene	7.789	168	29197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	47760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	35887	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	11113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	10875	41.694	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.380%
35) Dibromofluoromethane	7.722	113	11725	45.468	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.940%
50) Toluene-d8	10.179	98	41954	44.684	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.360%
62) 4-Bromofluorobenzene	12.483	95	9159	29.779	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.560%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.716	84	1460	1.233	ug/l	84
31) Cyclohexane	7.789	56	771	1.467	ug/l #	31
36) 1,1-Dichloropropene	7.783	75	2811	6.319	ug/l #	50
38) Carbon Tetrachloride	7.783	117	3174	7.453	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	5146	50.170	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	5146	104.247	ug/l #	12
95) Naphthalene	15.239	128	49	3.578	ug/l #	69

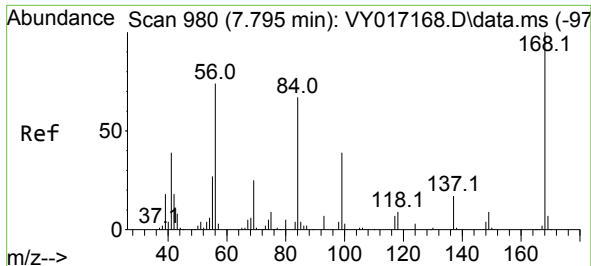
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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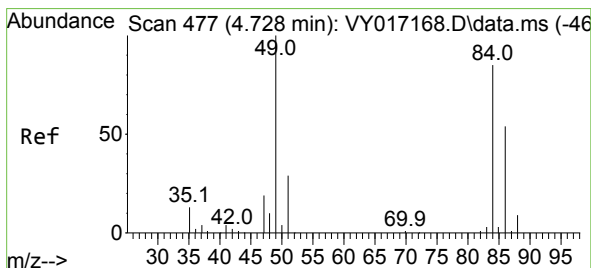
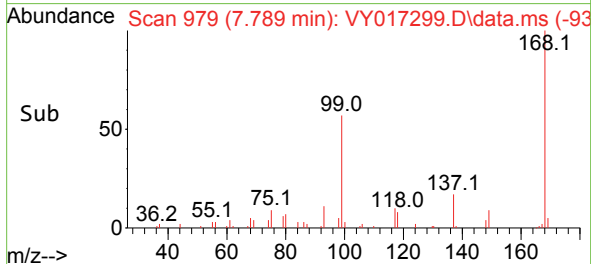
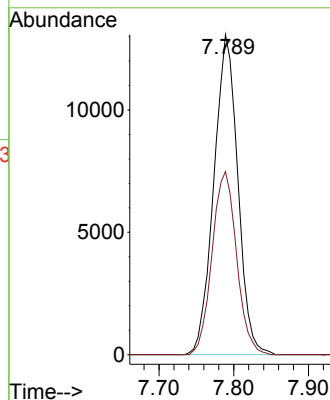
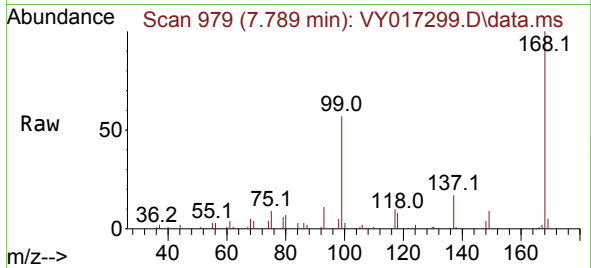




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017299.D
Acq: 07 Feb 2024 19:12

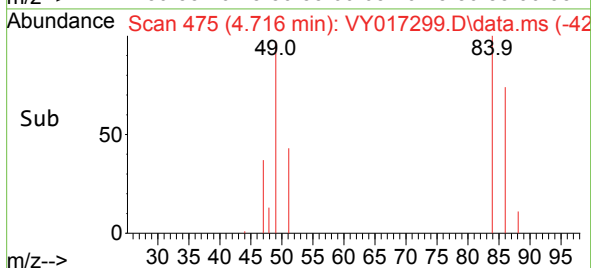
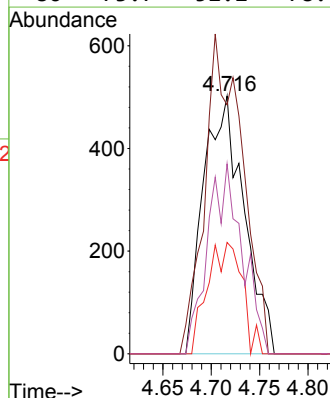
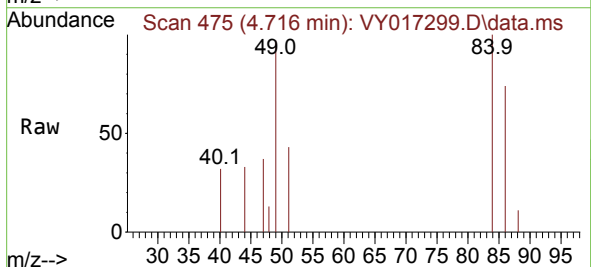
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

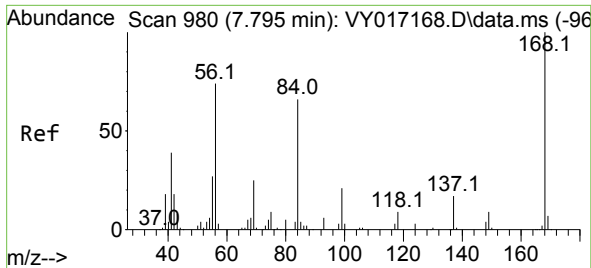
Tgt Ion:168 Resp: 29197
Ion Ratio Lower Upper
168 100
99 57.3 44.2 66.4



#20
Methylene Chloride
Concen: 1.233 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY017299.D
Acq: 07 Feb 2024 19:12

Tgt Ion: 84 Resp: 1460
Ion Ratio Lower Upper
84 100
49 96.6 95.2 142.8
51 43.2 29.9 44.9
86 73.7 52.2 78.4

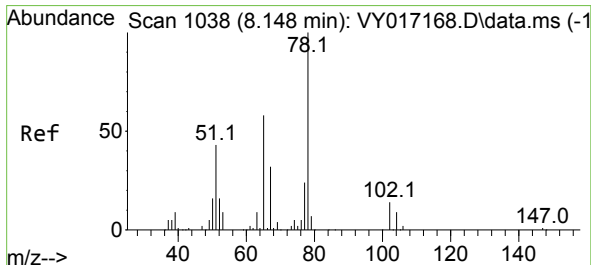
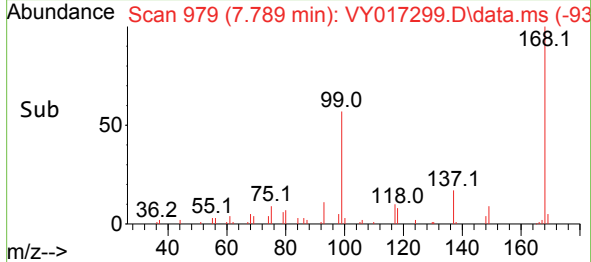
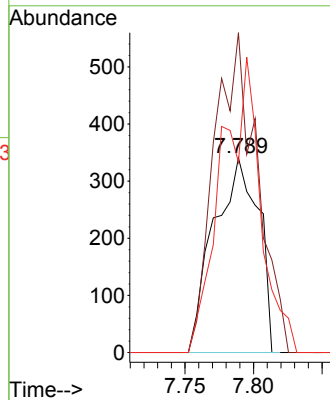
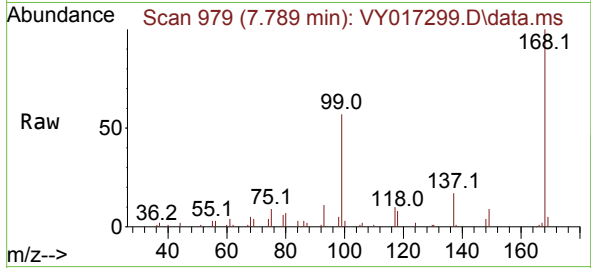




#31
Cyclohexane
Concen: 1.467 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017299.D
Acq: 07 Feb 2024 19:12

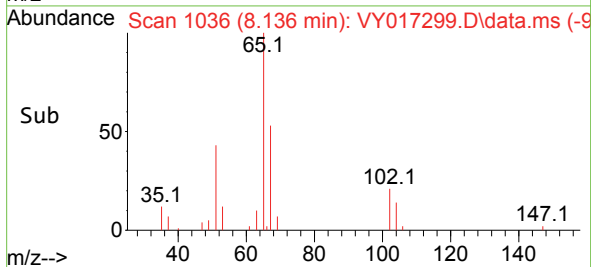
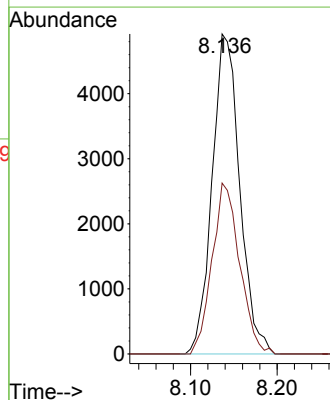
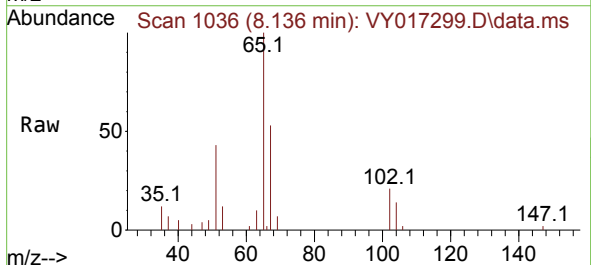
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

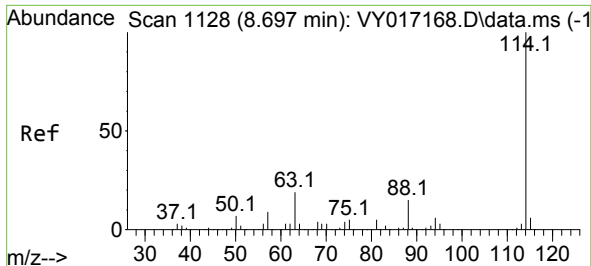
Tgt Ion: 56 Resp: 771
Ion Ratio Lower Upper
56 100
69 164.2 27.0 40.6#
84 97.7 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 41.694 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VY017299.D
Acq: 07 Feb 2024 19:12

Tgt Ion: 65 Resp: 10875
Ion Ratio Lower Upper
65 100
67 53.4 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: VY017299.D

Acq: 07 Feb 2024 19:12

Instrument :

MSVOA_Y

ClientSampleId :

SP-3

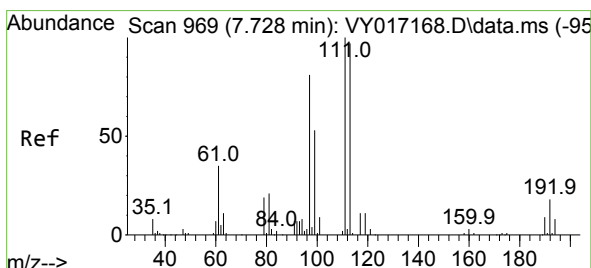
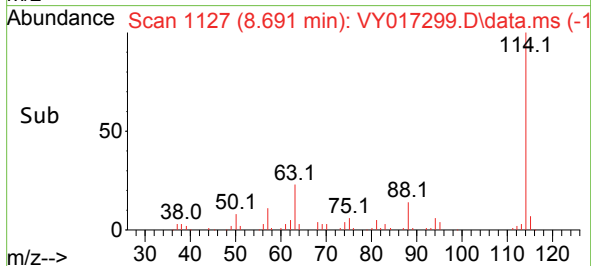
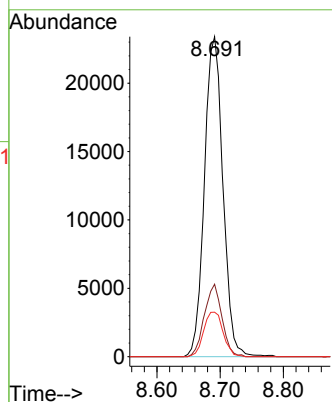
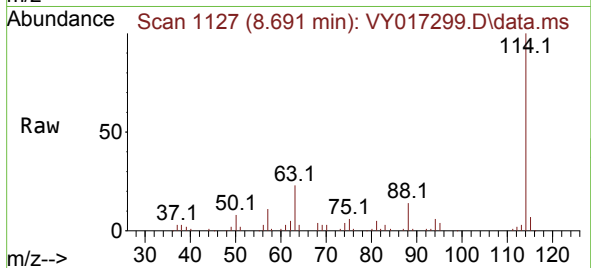
Tgt Ion:114 Resp: 47760

Ion Ratio Lower Upper

114 100

63 22.7 0.0 37.4

88 13.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 45.468 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY017299.D

Acq: 07 Feb 2024 19:12

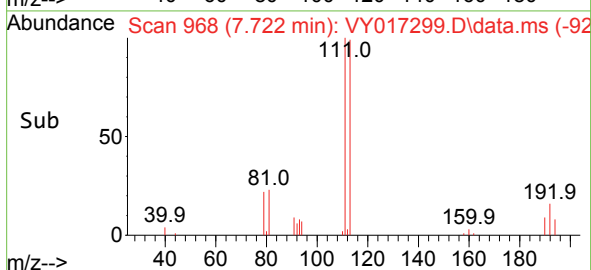
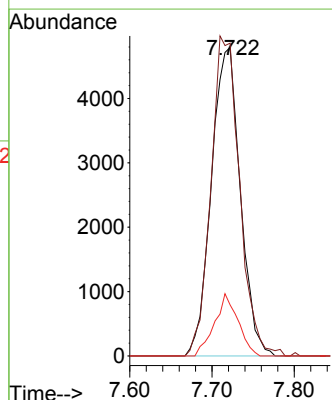
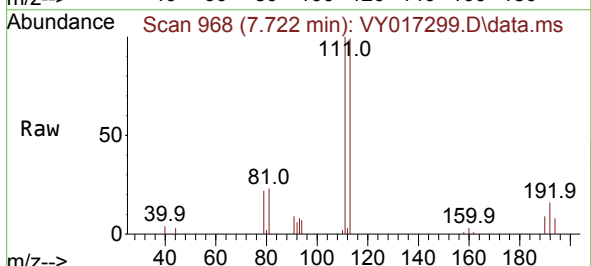
Tgt Ion:113 Resp: 11725

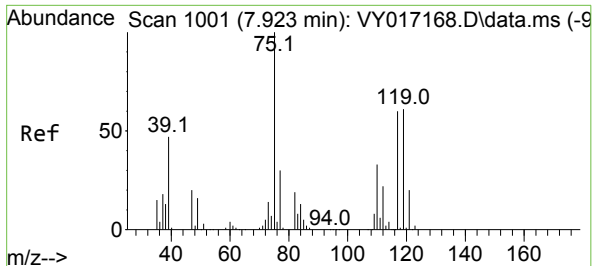
Ion Ratio Lower Upper

113 100

111 102.7 83.8 125.6

192 16.4 14.5 21.7





#36

1,1-Dichloropropene

Concen: 6.319 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY017299.D

Acq: 07 Feb 2024 19:12

Instrument :

MSVOA_Y

ClientSampleId :

SP-3

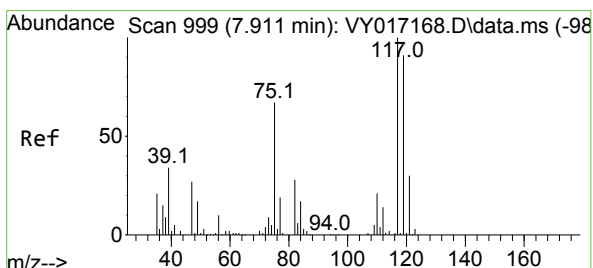
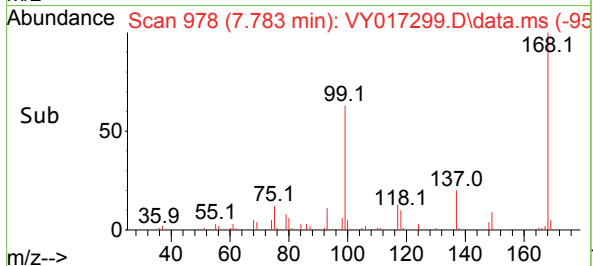
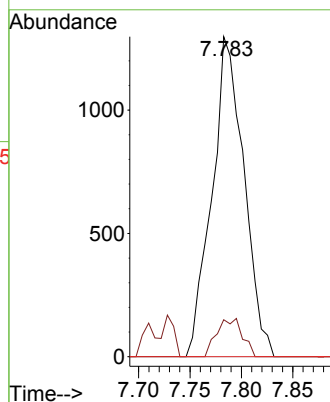
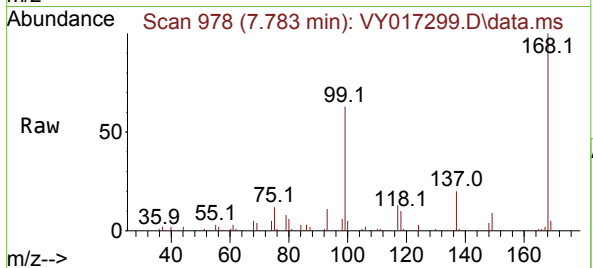
Tgt Ion: 75 Resp: 2811

Ion Ratio Lower Upper

75 100

110 9.5 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.453 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY017299.D

Acq: 07 Feb 2024 19:12

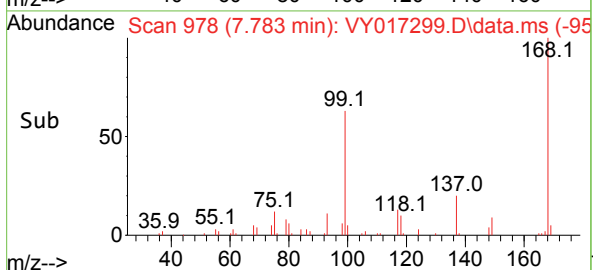
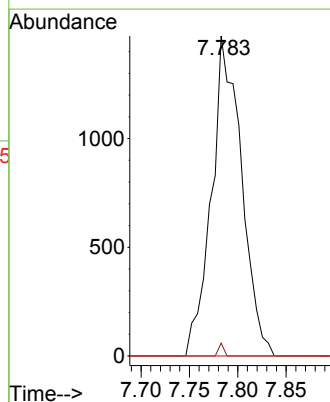
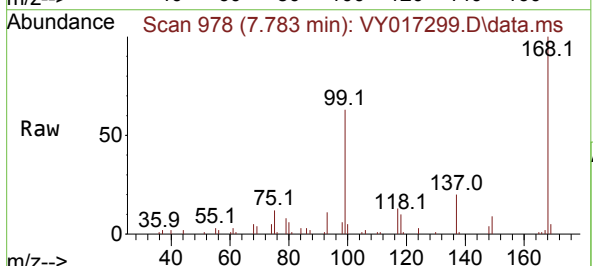
Tgt Ion: 117 Resp: 3174

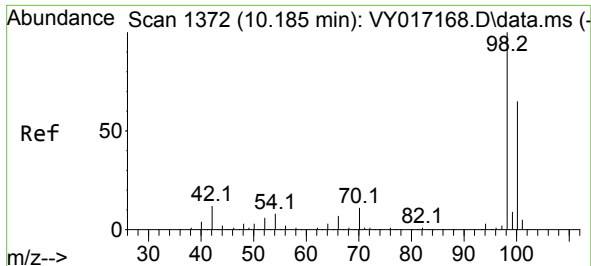
Ion Ratio Lower Upper

117 100

119 4.0 76.0 114.0#

121 0.0 24.2 36.2#

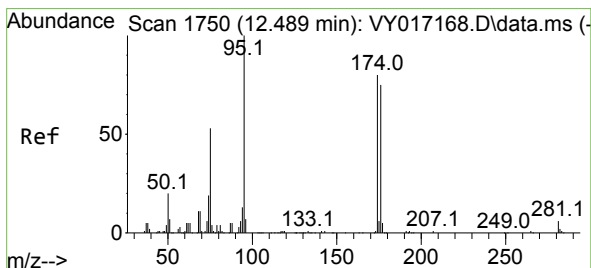
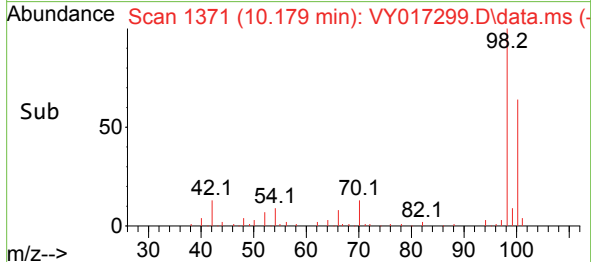
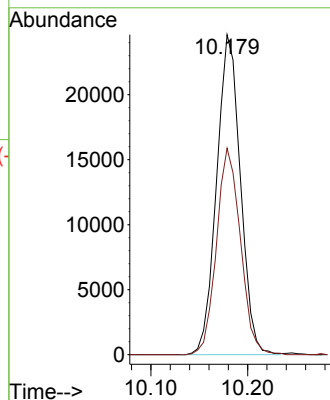
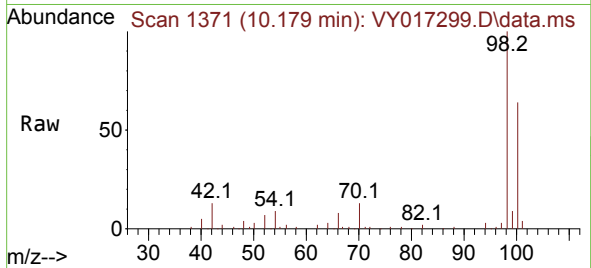




#50
Toluene-d8
Concen: 44.684 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017299.D
Acq: 07 Feb 2024 19:12

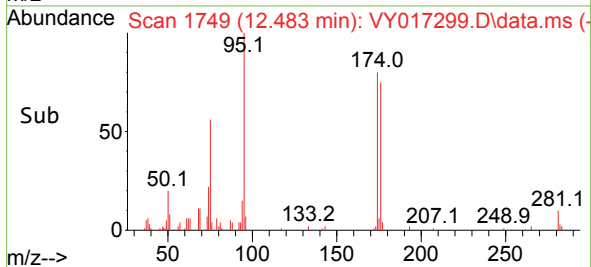
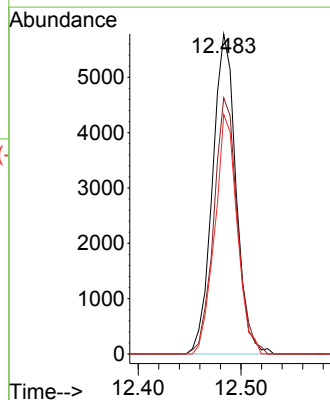
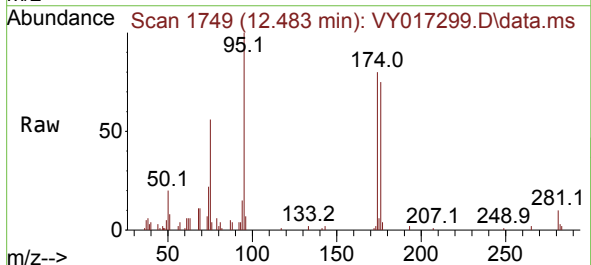
Instrument :
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ClientSampleId :
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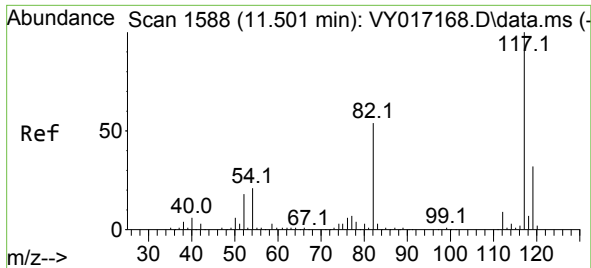
Tgt Ion: 98 Resp: 41954
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 29.779 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY017299.D
Acq: 07 Feb 2024 19:12

Tgt Ion: 95 Resp: 9159
Ion Ratio Lower Upper
95 100
174 80.3 0.0 160.0
176 71.5 0.0 151.8

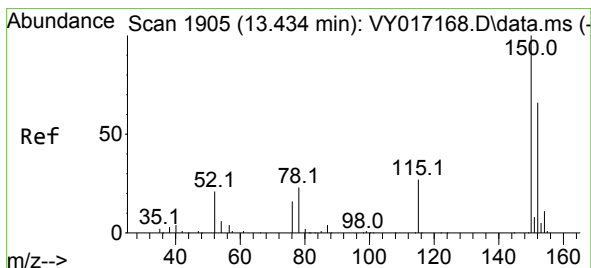
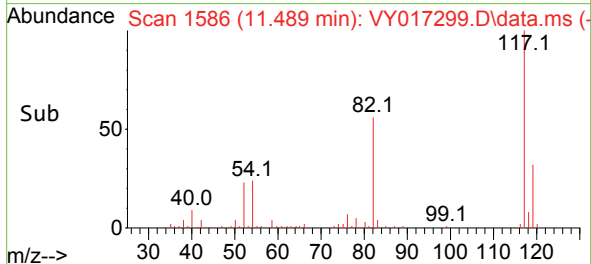
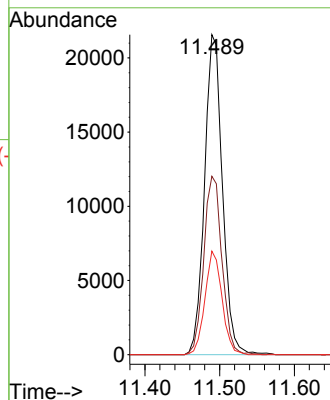
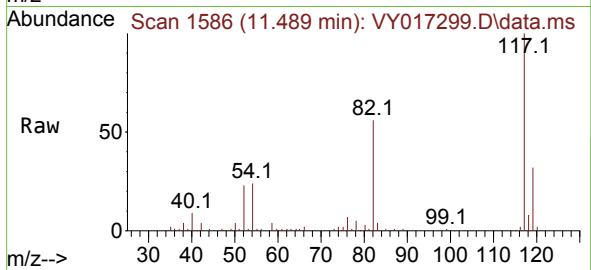




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY017299.D
Acq: 07 Feb 2024 19:12

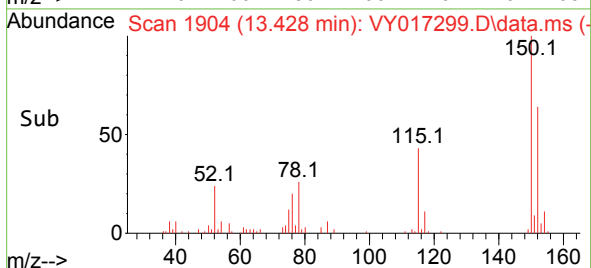
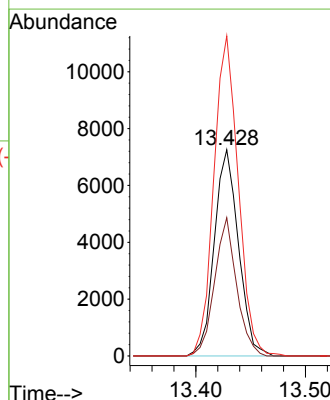
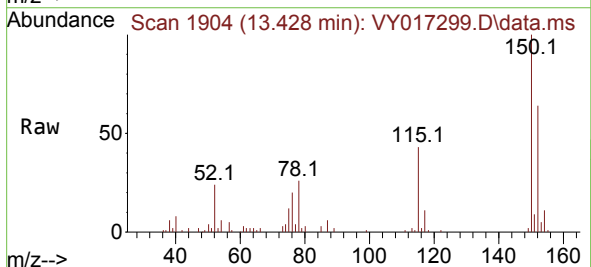
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SP-3

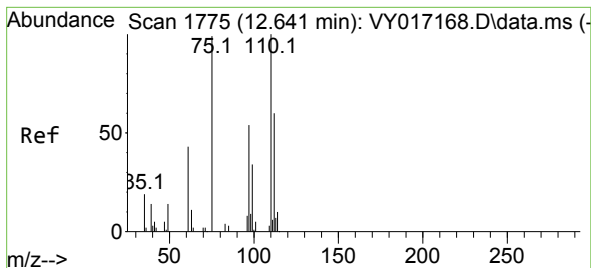
Tgt Ion:117 Resp: 35887
Ion Ratio Lower Upper
117 100
82 55.8 43.8 65.8
119 32.4 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY017299.D
Acq: 07 Feb 2024 19:12

Tgt Ion:152 Resp: 11113
Ion Ratio Lower Upper
152 100
115 61.2 30.0 90.0
150 156.7 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 50.170 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.158 min

Lab File: VY017299.D

Acq: 07 Feb 2024 19:12

Instrument :

MSVOA_Y

ClientSampleId :

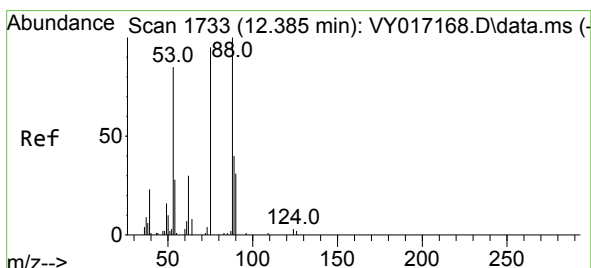
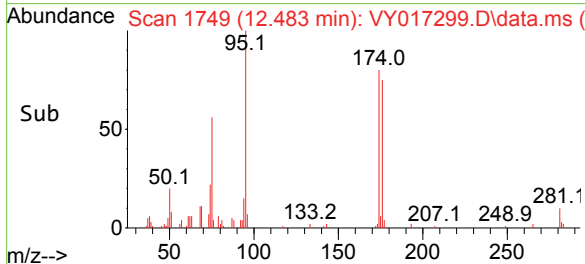
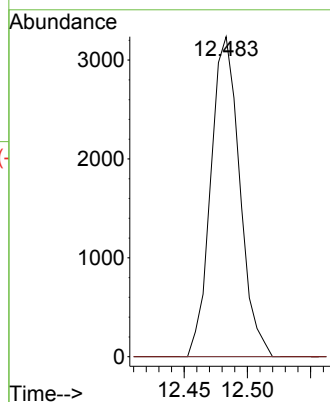
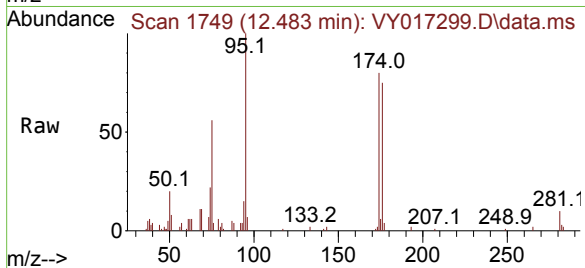
SP-3

Tgt Ion: 75 Resp: 5146

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 104.247 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.098 min

Lab File: VY017299.D

Acq: 07 Feb 2024 19:12

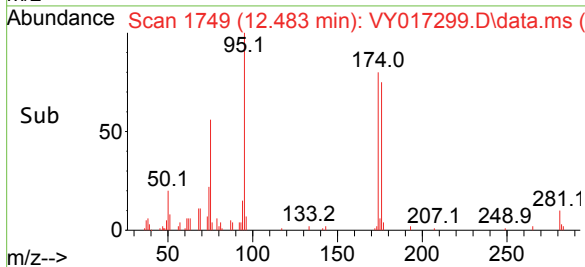
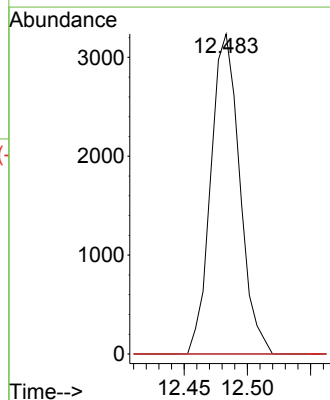
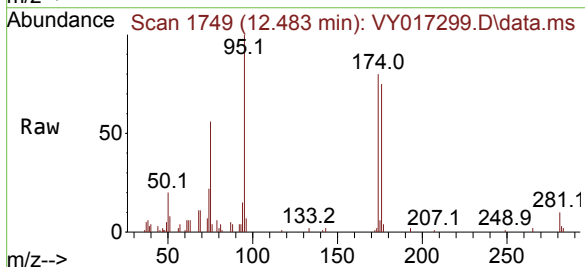
Tgt Ion: 75 Resp: 5146

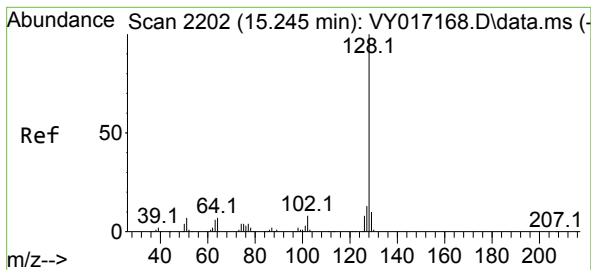
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

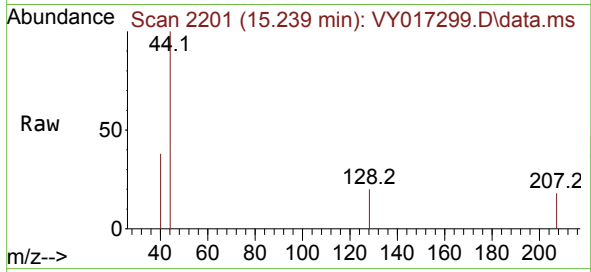
89 0.0 36.5 54.7#





#95
Naphthalene
Concen: 3.578 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY017299.D
Acq: 07 Feb 2024 19:12

Instrument :
MSVOA_Y
ClientSampleId :
SP-3



Tgt Ion:128 Resp: 49
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

