

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022724\
 Data File : VY017504.D
 Acq On : 27 Feb 2024 18:13
 Operator : SY/MD
 Sample : P1564-05
 Misc : 3.77g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-11

Quant Time: Feb 28 00:20:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

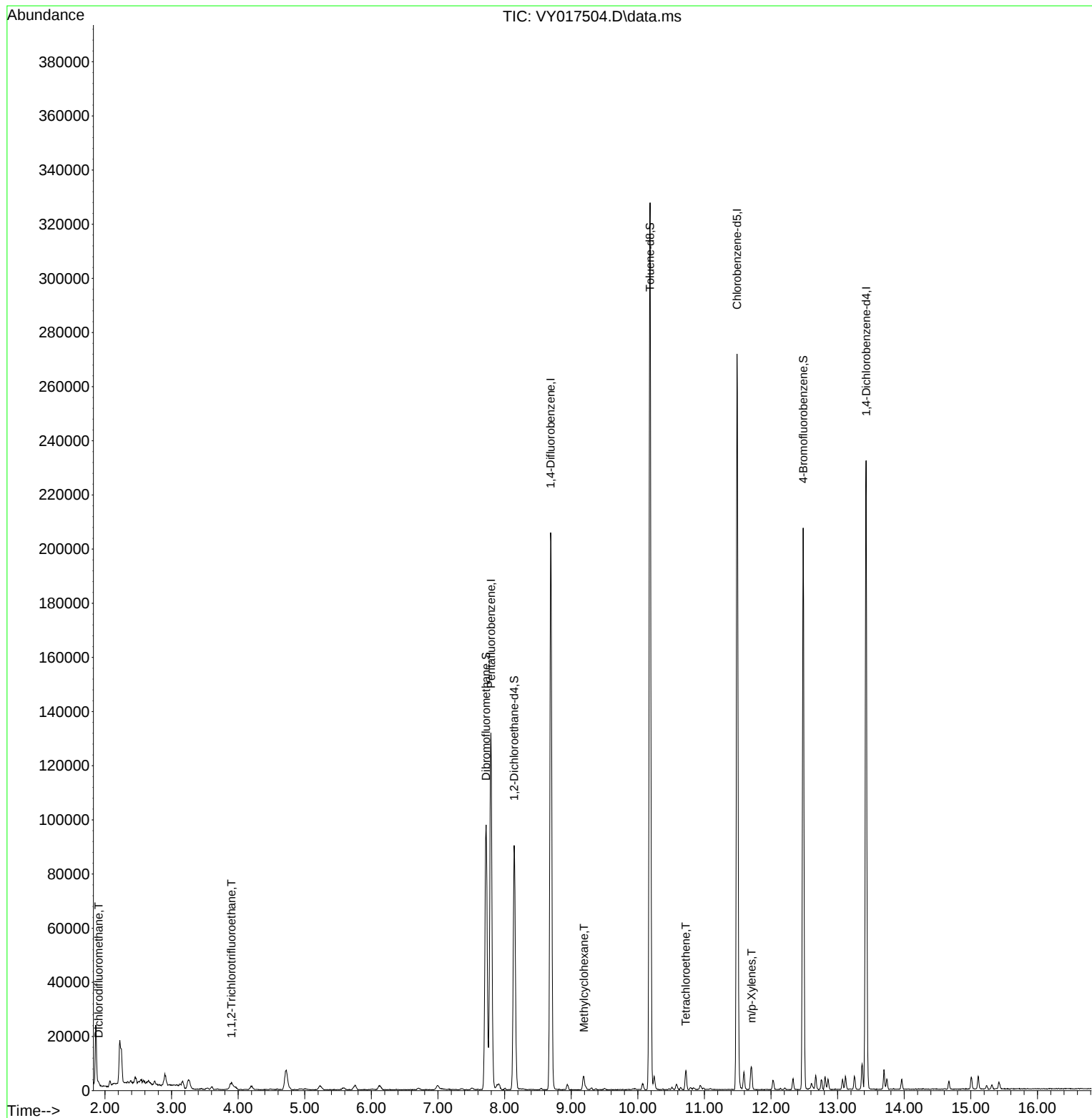
Internal Standards						
1) Pentafluorobenzene	7.795	168	108699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	191223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	161628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	64643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66321	64.378	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.760%
35) Dibromofluoromethane	7.722	113	71569	53.710	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.420%
50) Toluene-d8	10.185	98	229630	49.288	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.580%
62) 4-Bromofluorobenzene	12.483	95	62061	42.386	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	824	1.028	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.899	101	1801	1.635	ug/l	92
39) Methylcyclohexane	9.191	83	2167	1.003	ug/l	97
64) Tetrachloroethene	10.721	164	1794	1.156	ug/l #	86
68) m/p-Xylenes	11.709	106	3022	1.278	ug/l	99

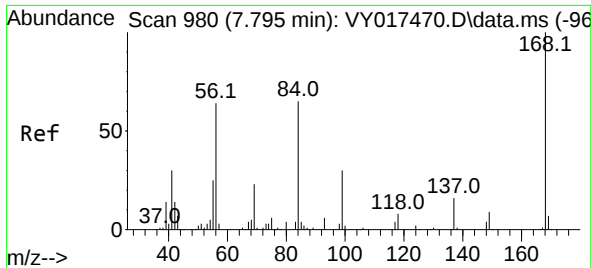
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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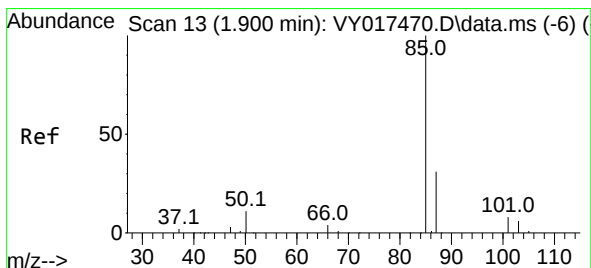
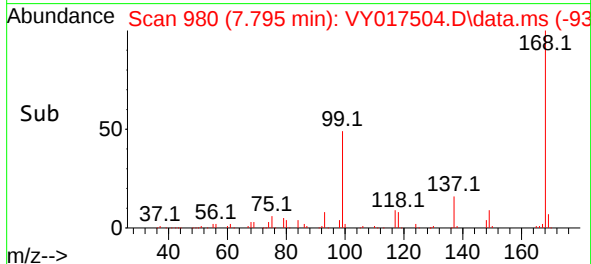
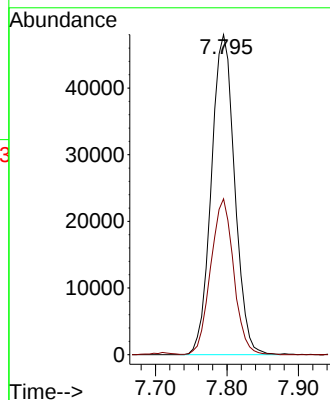
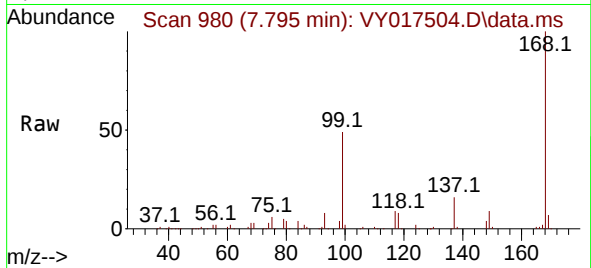




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017504.D
Acq: 27 Feb 2024 18:13

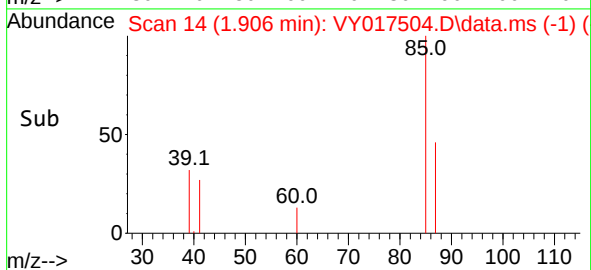
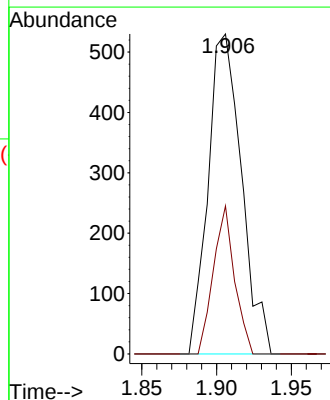
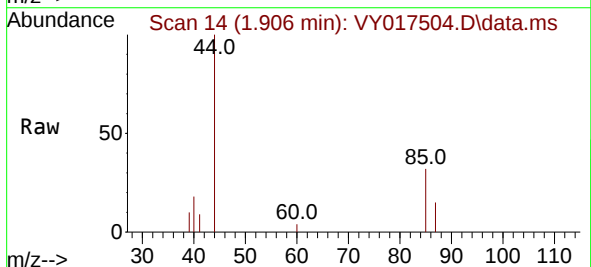
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-11

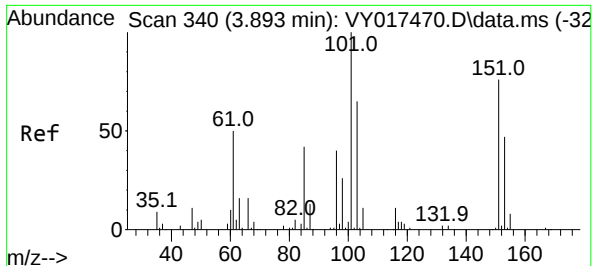
Tgt Ion:168 Resp: 108699
Ion Ratio Lower Upper
168 100
99 48.7 39.1 58.7



#2
Dichlorodifluoromethane
Concen: 1.028 ug/l
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY017504.D
Acq: 27 Feb 2024 18:13

Tgt Ion: 85 Resp: 824
Ion Ratio Lower Upper
85 100
87 46.2 16.0 48.0

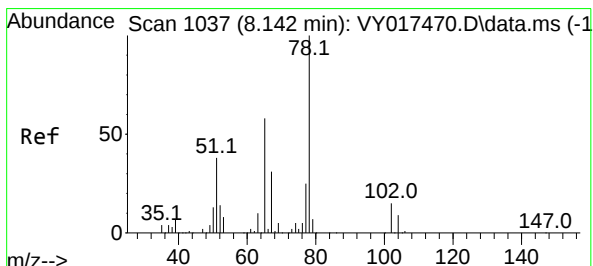
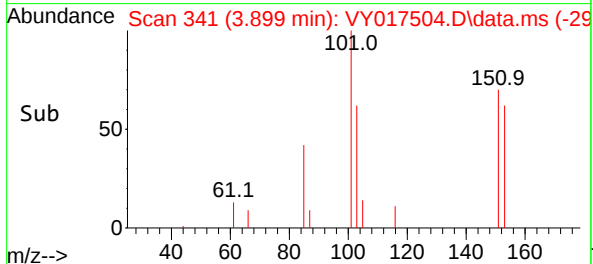
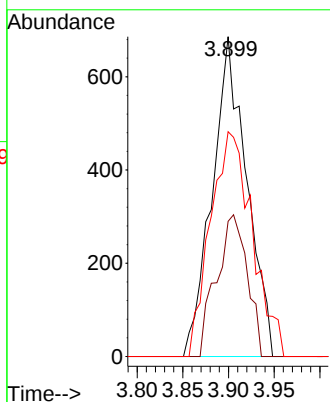
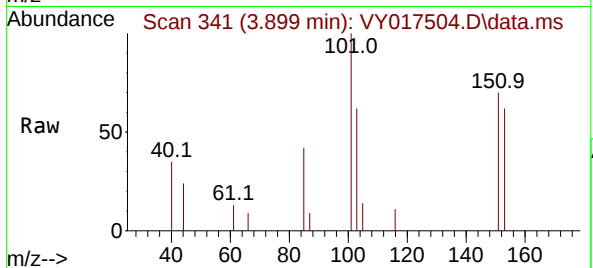




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.635 ug/l
 RT: 3.899 min Scan# 34
 Delta R.T. 0.006 min
 Lab File: VY017504.D
 Acq: 27 Feb 2024 18:13

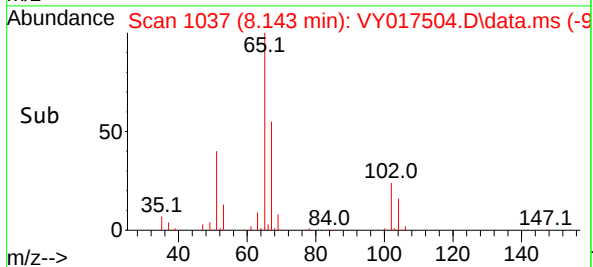
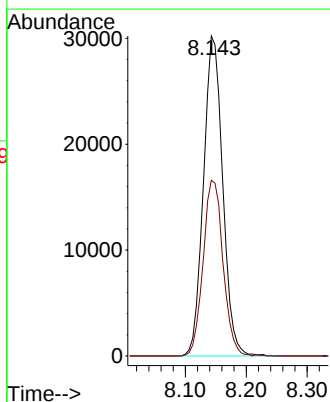
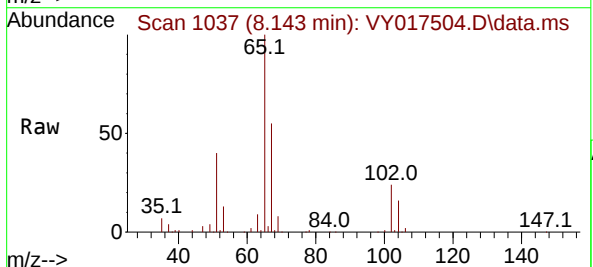
Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-11

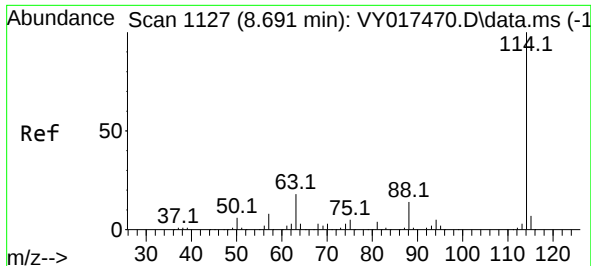
Tgt Ion:101 Resp: 1801
 Ion Ratio Lower Upper
 101 100
 85 39.4 34.5 51.7
 151 85.2 61.7 92.5



#33
 1,2-Dichloroethane-d4
 Concen: 64.378 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY017504.D
 Acq: 27 Feb 2024 18:13

Tgt Ion: 65 Resp: 66321
 Ion Ratio Lower Upper
 65 100
 67 56.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017504.D

Acq: 27 Feb 2024 18:13

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-11

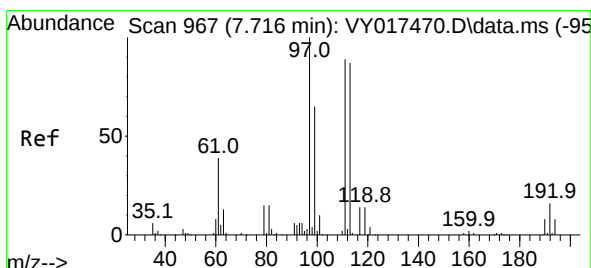
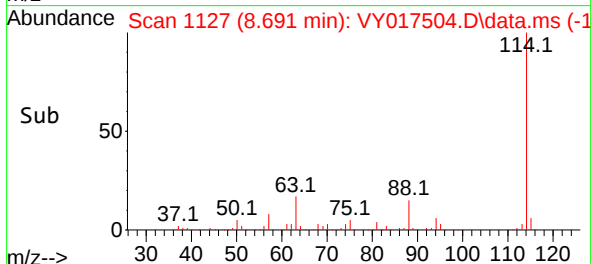
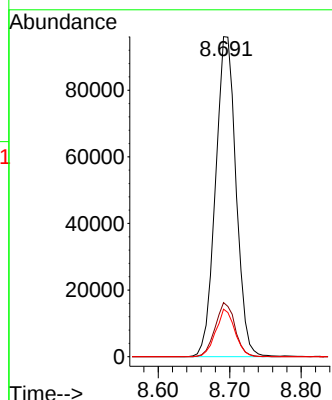
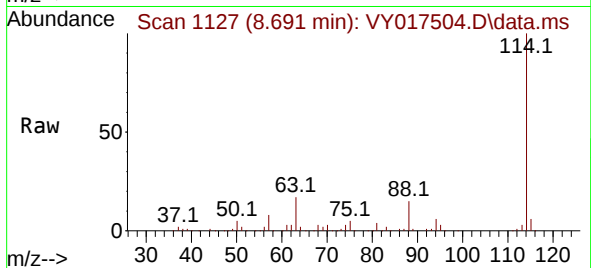
Tgt Ion:114 Resp: 191223

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

88 14.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 53.710 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY017504.D

Acq: 27 Feb 2024 18:13

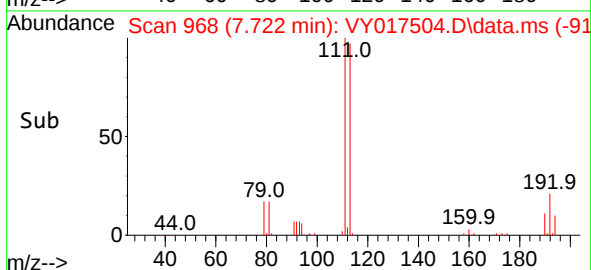
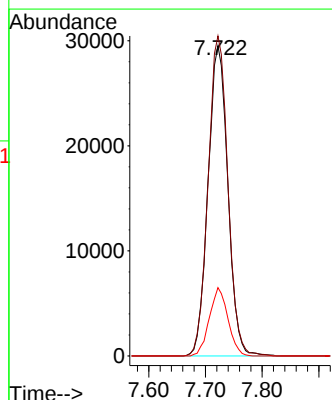
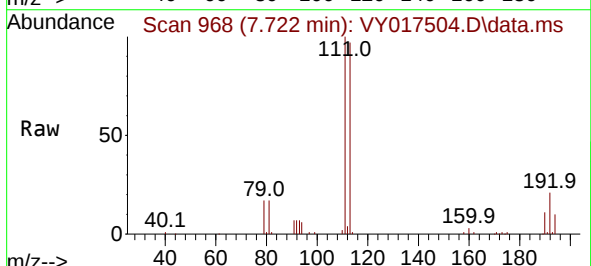
Tgt Ion:113 Resp: 71569

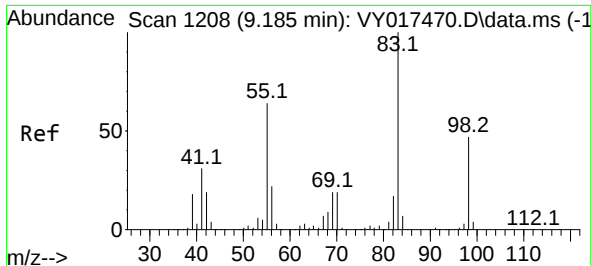
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 20.7 15.9 23.9





#39

Methylcyclohexane

Concen: 1.003 ug/l

RT: 9.191 min Scan# 1209

Delta R.T. 0.006 min

Lab File: VY017504.D

Acq: 27 Feb 2024 18:13

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-11

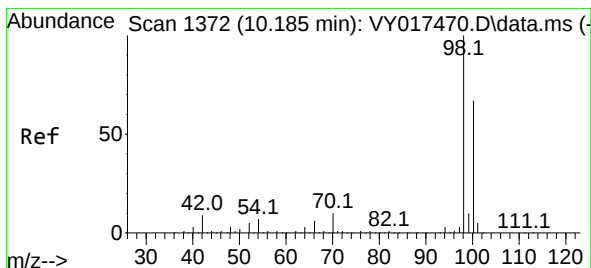
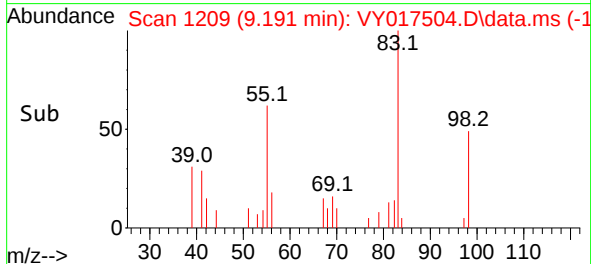
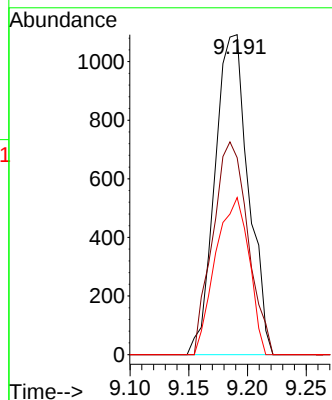
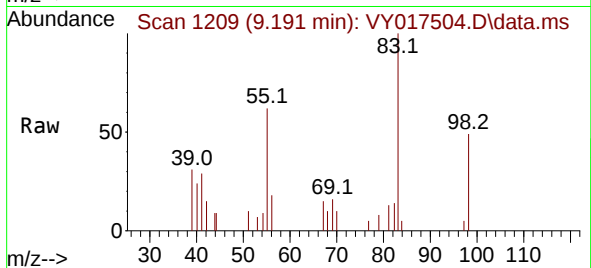
Tgt Ion: 83 Resp: 2167

Ion Ratio Lower Upper

83 100

55 61.5 51.5 77.3

98 49.1 40.5 60.7



#50

Toluene-d8

Concen: 49.288 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY017504.D

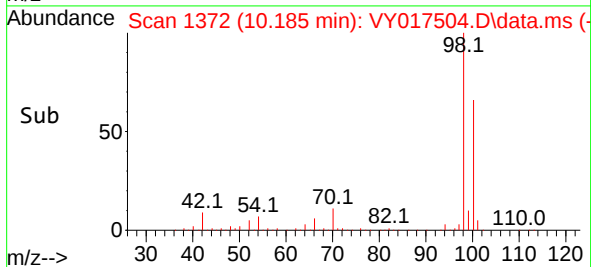
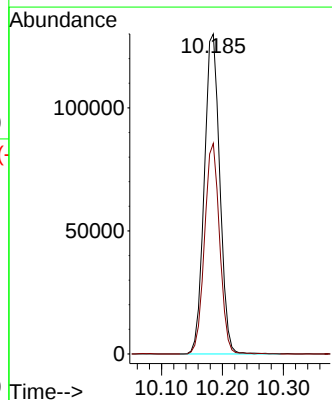
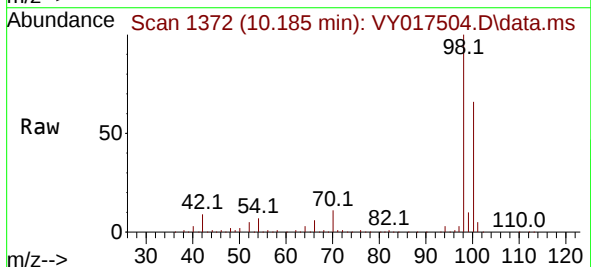
Acq: 27 Feb 2024 18:13

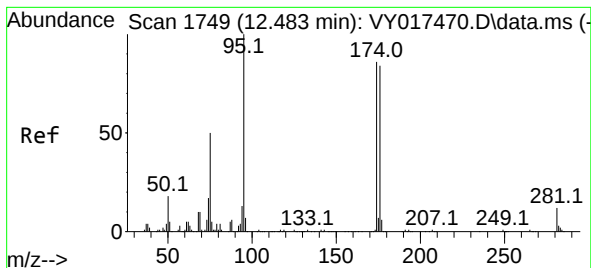
Tgt Ion: 98 Resp: 229630

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0

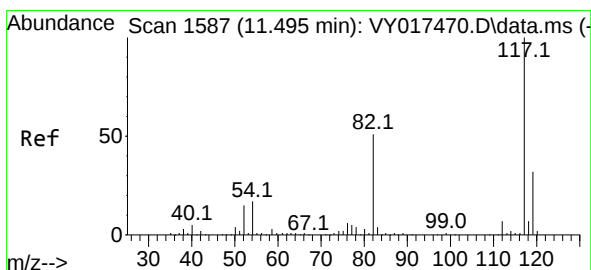
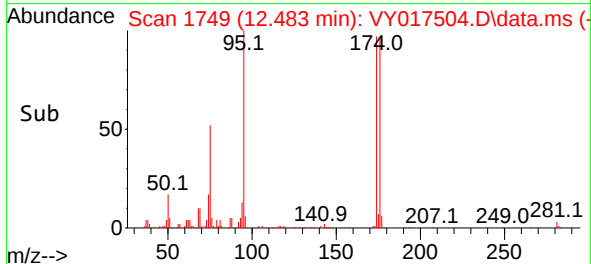
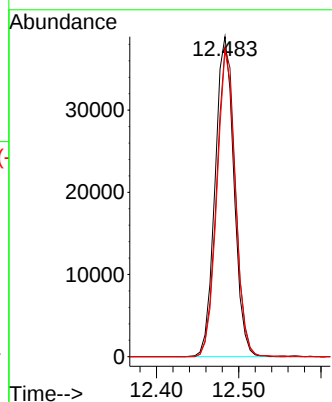
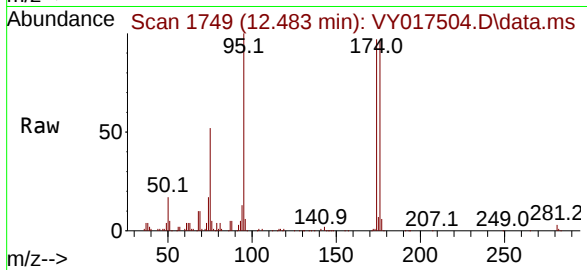




#62
4-Bromofluorobenzene
Concen: 42.386 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY017504.D
Acq: 27 Feb 2024 18:13

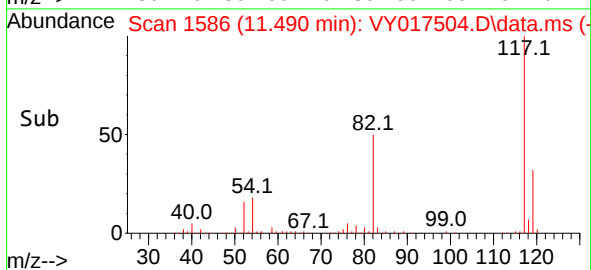
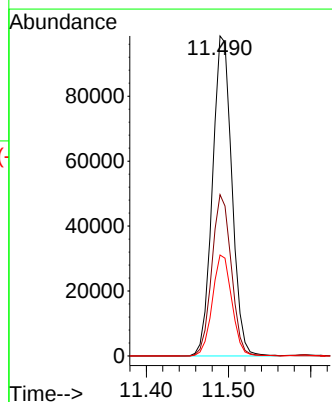
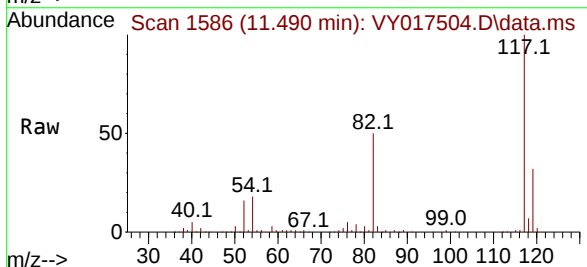
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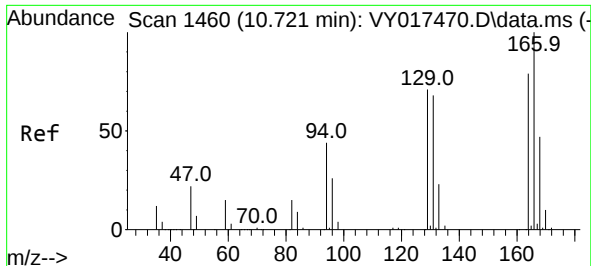
Tgt Ion: 95 Resp: 62061
Ion Ratio Lower Upper
95 100
174 96.8 0.0 175.6
176 93.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY017504.D
Acq: 27 Feb 2024 18:13

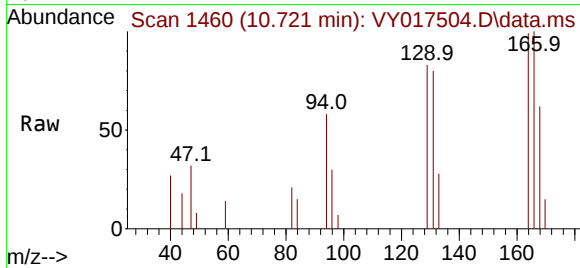
Tgt Ion: 117 Resp: 161628
Ion Ratio Lower Upper
117 100
82 50.4 42.4 63.6
119 31.6 25.9 38.9



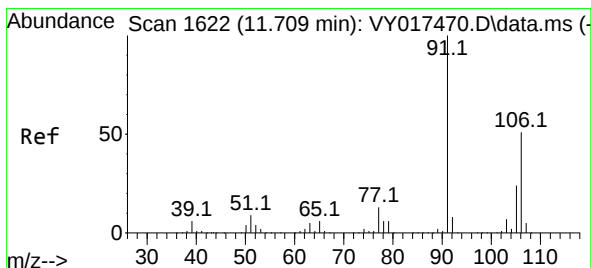
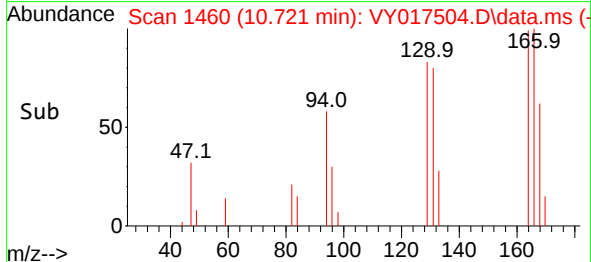
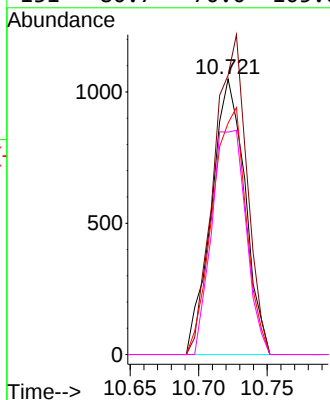


#64
Tetrachloroethene
Concen: 1.156 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY017504.D
Acq: 27 Feb 2024 18:13

Instrument :
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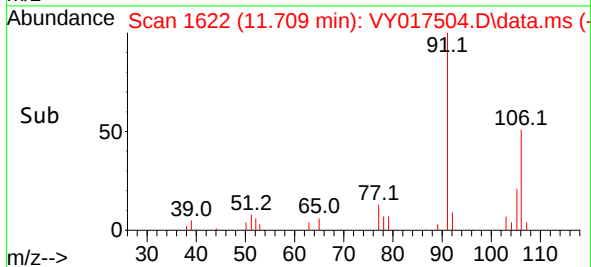
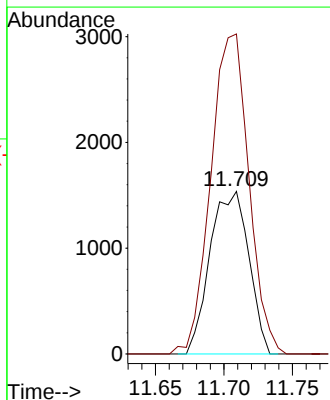
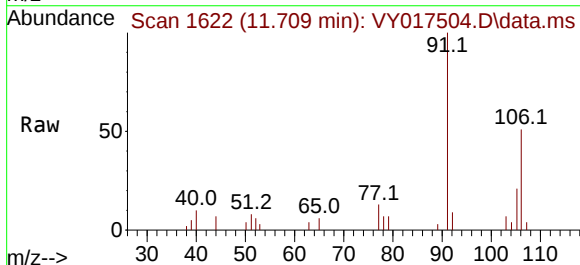


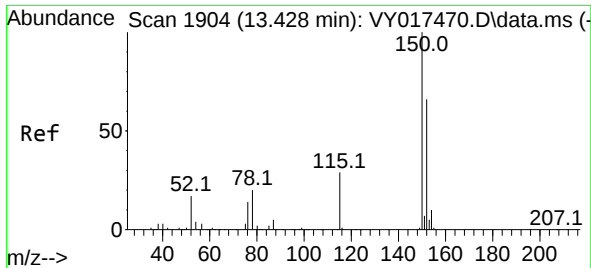
Tgt Ion:164 Resp: 1794
Ion Ratio Lower Upper
164 100
166 101.4 102.6 154.0#
129 84.1 72.0 108.0
131 80.7 70.0 105.0



#68
m/p-Xylenes
Concen: 1.278 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.000 min
Lab File: VY017504.D
Acq: 27 Feb 2024 18:13

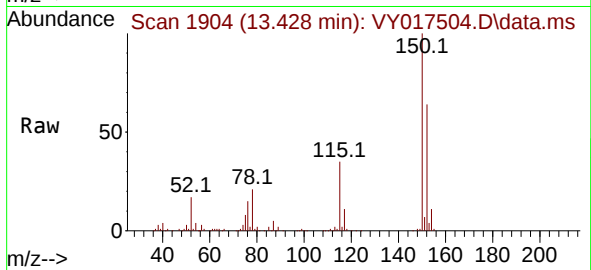
Tgt Ion:106 Resp: 3022
Ion Ratio Lower Upper
106 100
91 193.3 156.0 234.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY017504.D
 Acq: 27 Feb 2024 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-11



Tgt Ion:152 Resp: 64643
 Ion Ratio Lower Upper
 152 100
 115 54.0 28.2 84.7
 150 155.6 0.0 345.6

