

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072524\
 Data File : VY018920.D
 Acq On : 25 Jul 2024 19:02
 Operator : SY/MD
 Sample : P3358-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-07242024

Quant Time: Jul 26 03:02:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

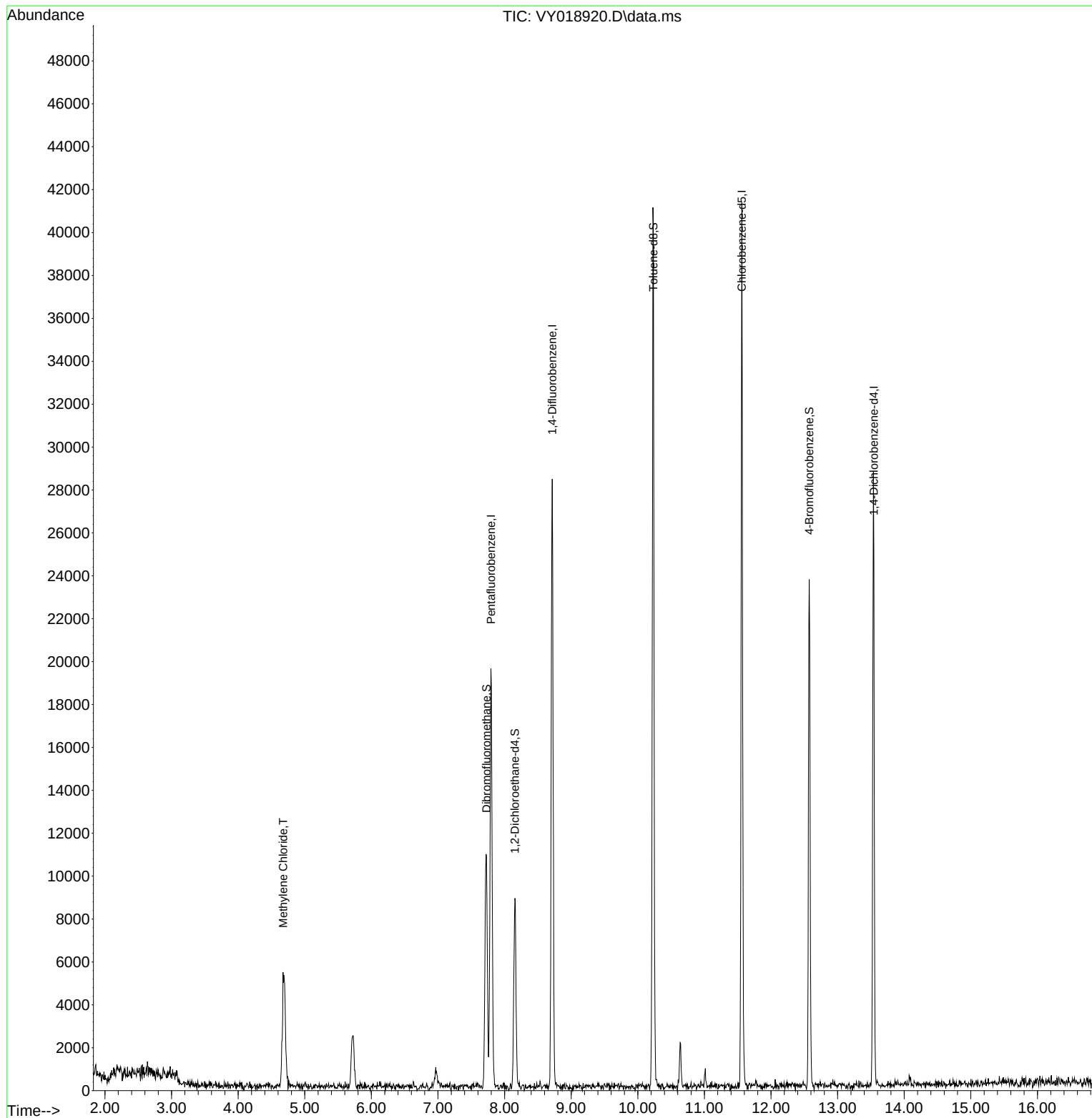
Internal Standards						
1) Pentafluorobenzene	7.795	168	15388	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	25301	50.000	ug/l	0.04
63) Chlorobenzene-d5	11.563	117	21191	50.000	ug/l	0.08
72) 1,4-Dichlorobenzene-d4	13.544	152	7992	50.000	ug/l	0.12
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	7263	47.966	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.940%
35) Dibromofluoromethane	7.728	113	8139	51.361	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.720%
50) Toluene-d8	10.234	98	27349	45.554	ug/l	0.06
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.100%
62) 4-Bromofluorobenzene	12.575	95	7431	36.244	ug/l	0.10
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.480%
Target Compounds						
20) Methylene Chloride	4.674	84	4480	25.949	ug/l	Qvalue # 81

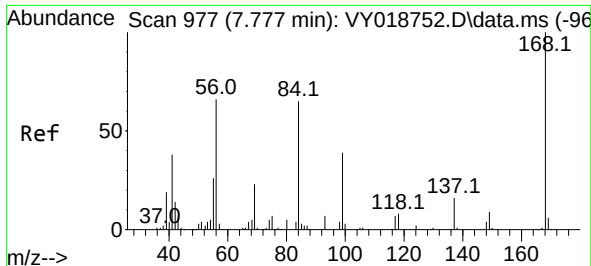
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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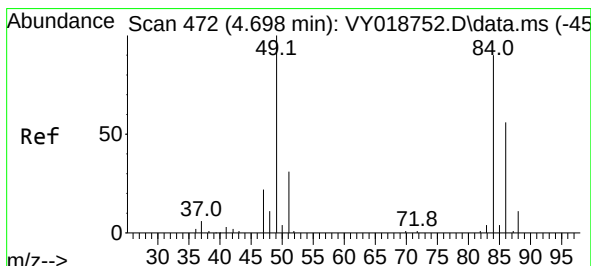
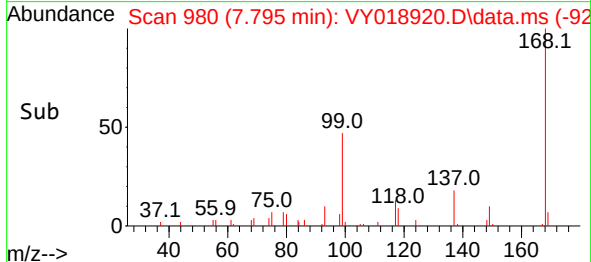
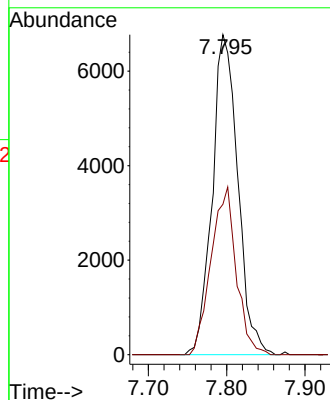
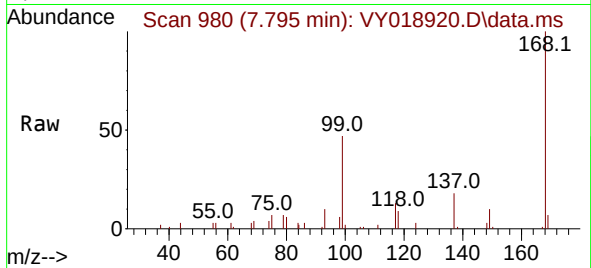




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY018920.D
Acq: 25 Jul 2024 19:02

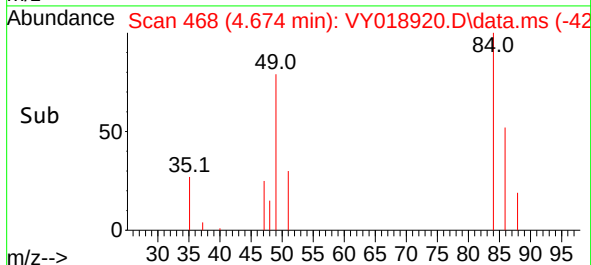
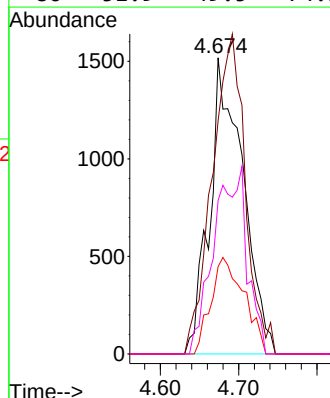
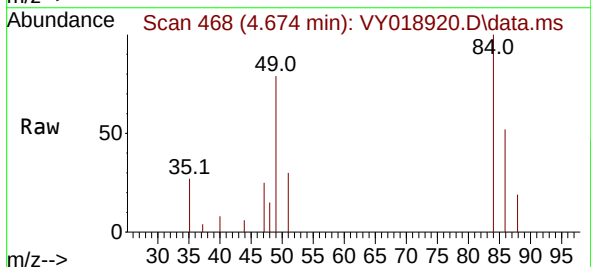
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-07242024

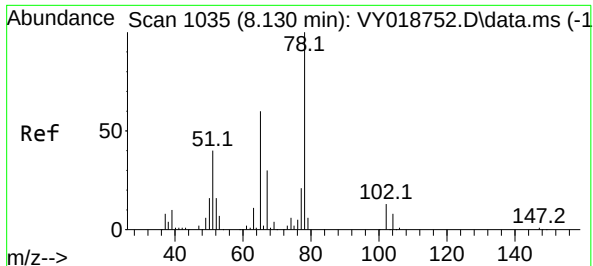
Tgt Ion:168 Resp: 15388
Ion Ratio Lower Upper
168 100
99 47.0 39.1 58.7



#20
Methylene Chloride
Concen: 25.949 ug/l
RT: 4.674 min Scan# 468
Delta R.T. -0.024 min
Lab File: VY018920.D
Acq: 25 Jul 2024 19:02

Tgt Ion: 84 Resp: 4480
Ion Ratio Lower Upper
84 100
49 78.8 84.4 126.6#
51 29.5 26.0 39.0
86 51.9 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 47.966 ug/l

RT: 8.155 min Scan# 1103

Delta R.T. 0.024 min

Lab File: VY018920.D

Acq: 25 Jul 2024 19:02

Instrument :

MSVOA_Y

ClientSampleId :

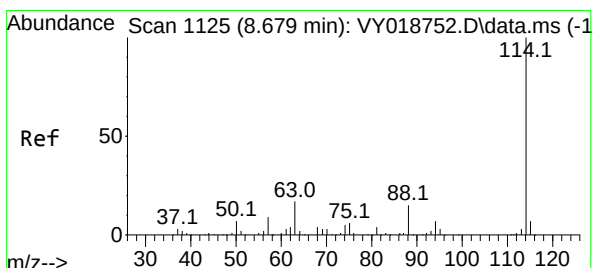
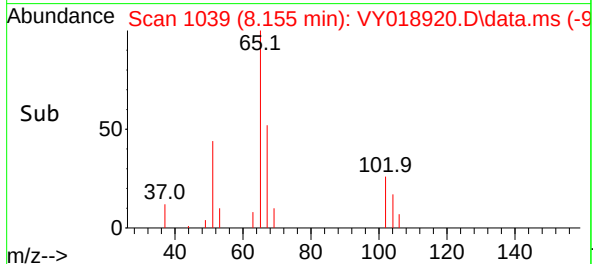
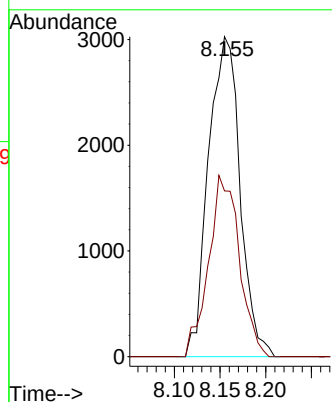
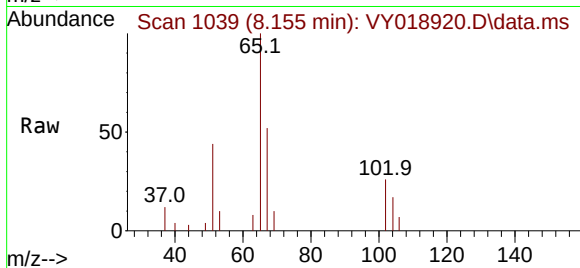
OK-02-07242024

Tgt Ion: 65 Resp: 7263

Ion Ratio Lower Upper

65 100

67 55.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1131

Delta R.T. 0.037 min

Lab File: VY018920.D

Acq: 25 Jul 2024 19:02

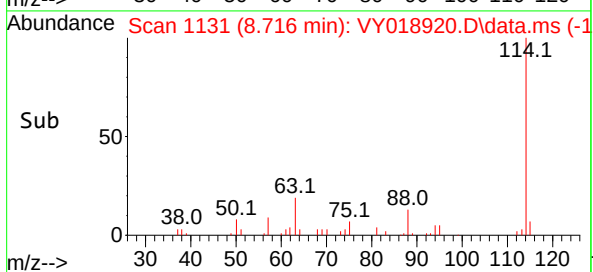
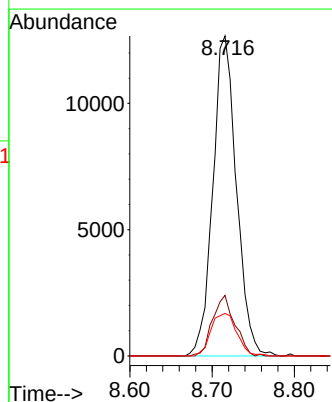
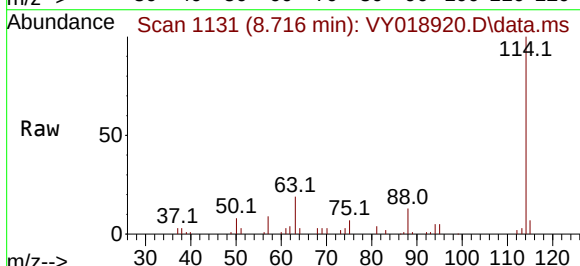
Tgt Ion: 114 Resp: 25301

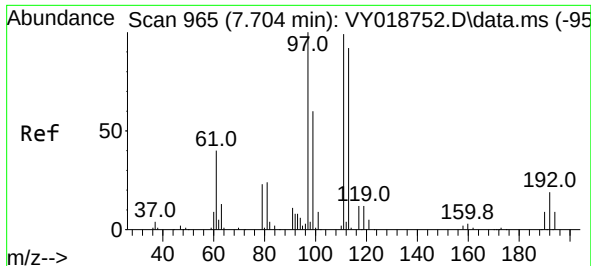
Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.0

88 13.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 51.361 ug/l

RT: 7.728 min Scan# 9

Delta R.T. 0.024 min

Lab File: VY018920.D

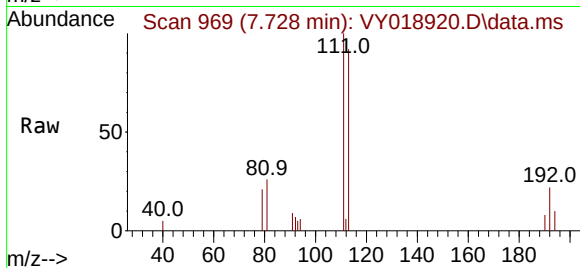
Acq: 25 Jul 2024 19:02

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-07242024



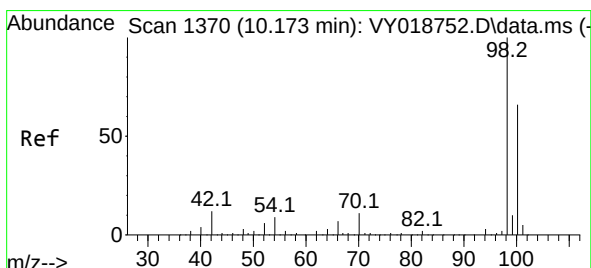
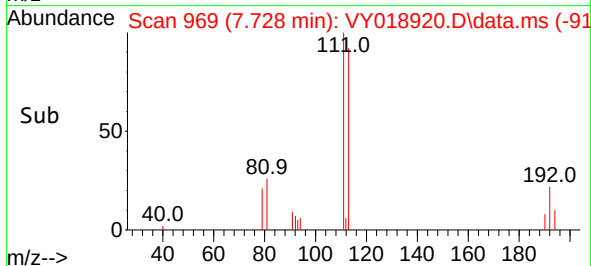
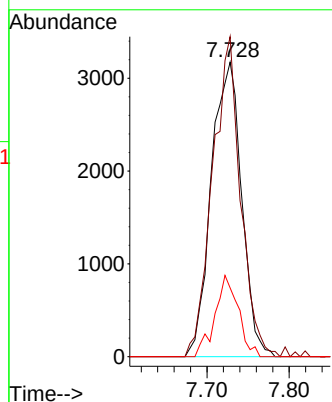
Tgt Ion:113 Resp: 8139

Ion Ratio Lower Upper

113 100

111 100.0 82.2 123.4

192 21.2 15.9 23.9



#50

Toluene-d8

Concen: 45.554 ug/l

RT: 10.234 min Scan# 1380

Delta R.T. 0.061 min

Lab File: VY018920.D

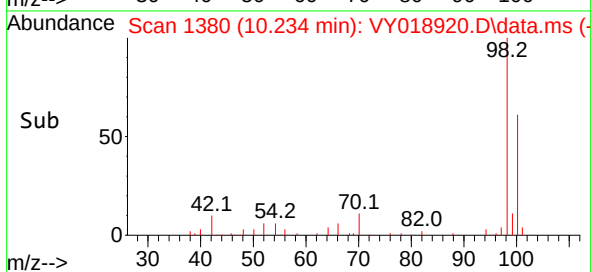
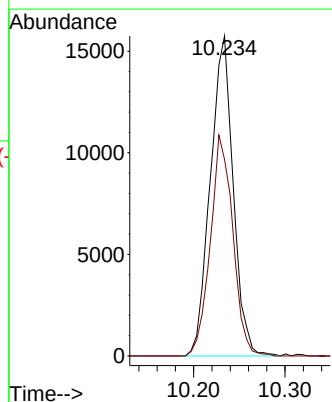
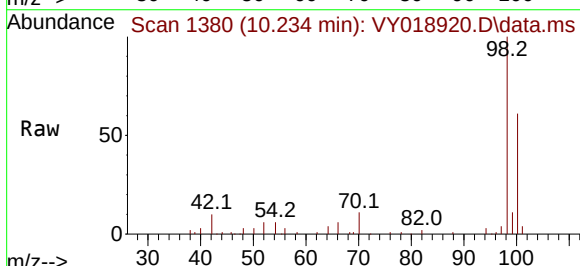
Acq: 25 Jul 2024 19:02

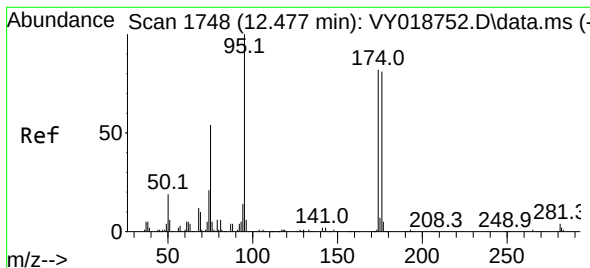
Tgt Ion: 98 Resp: 27349

Ion Ratio Lower Upper

98 100

100 67.9 52.0 78.0

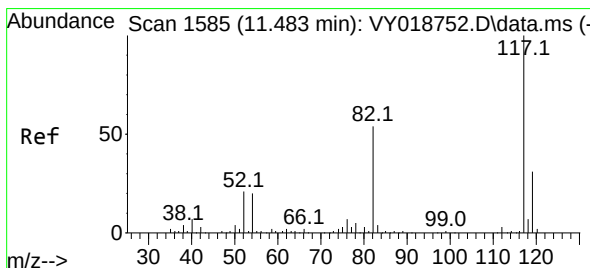
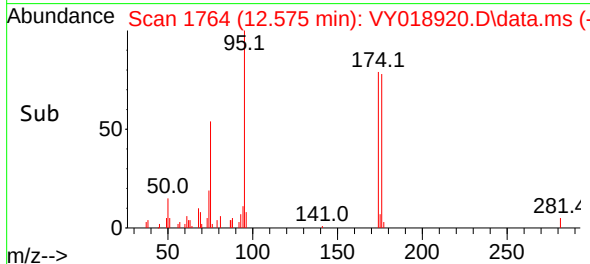
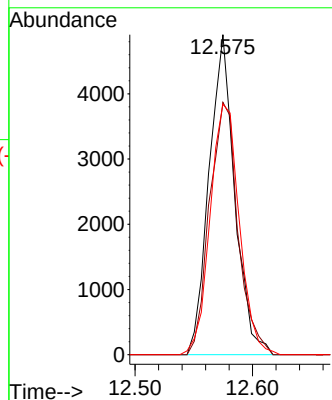
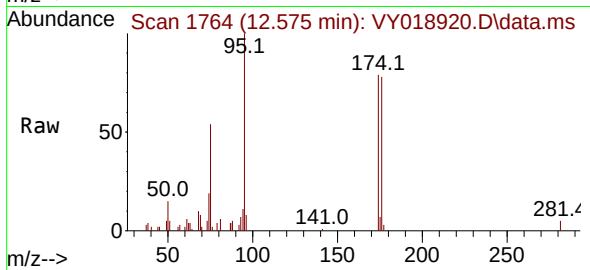




#62
4-Bromofluorobenzene
Concen: 36.244 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY018920.D
Acq: 25 Jul 2024 19:02

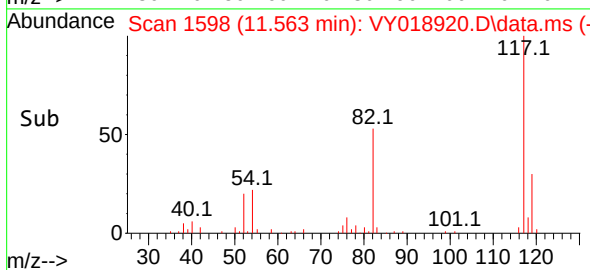
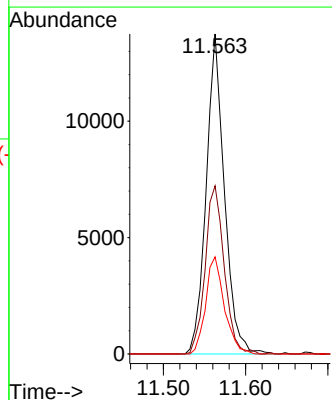
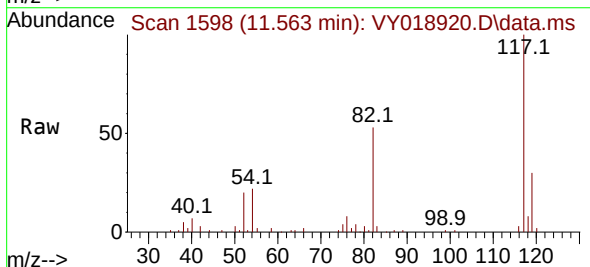
Instrument :
MSVOA_Y
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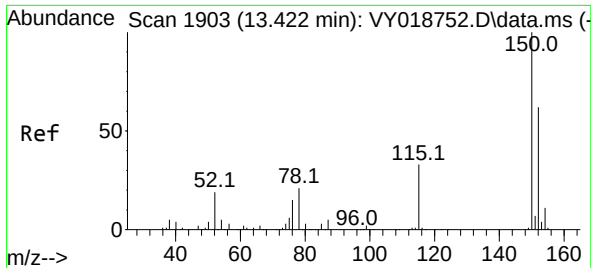
Tgt Ion:	95	Resp:	7431
Ion	Ratio	Lower	Upper
95	100		
174	87.6	0.0	175.6
176	89.0	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.563 min Scan# 1598
Delta R.T. 0.079 min
Lab File: VY018920.D
Acq: 25 Jul 2024 19:02

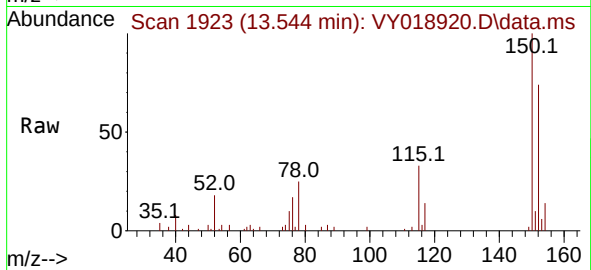
Tgt Ion:	117	Resp:	21191
Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.4	63.6
119	30.3	25.9	38.9





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.544 min Scan# 1923
 Delta R.T. 0.122 min
 Lab File: VY018920.D
 Acq: 25 Jul 2024 19:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-07242024



Tgt Ion:	152	Resp:	7992
Ion	Ratio	Lower	Upper
152	100		
115	54.6	28.2	84.7
150	142.9	0.0	345.6

