

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083024\  
 Data File : VY019408.D  
 Acq On : 30 Aug 2024 20:07  
 Operator : SY/MD  
 Sample : P3772-02  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 21 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_Y  
**ClientSampleId :**  
 BUR-1294

Quant Time: Aug 30 23:20:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082924S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 30 02:45:30 2024  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	110911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	196021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	112281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	66051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	56449	53.734	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.460%
35) Dibromofluoromethane	7.634	113	60680	48.963	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.920%
50) Toluene-d8	10.109	98	218574	47.910	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.820%
62) 4-Bromofluorobenzene	12.407	95	64373	43.626	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	87.260%

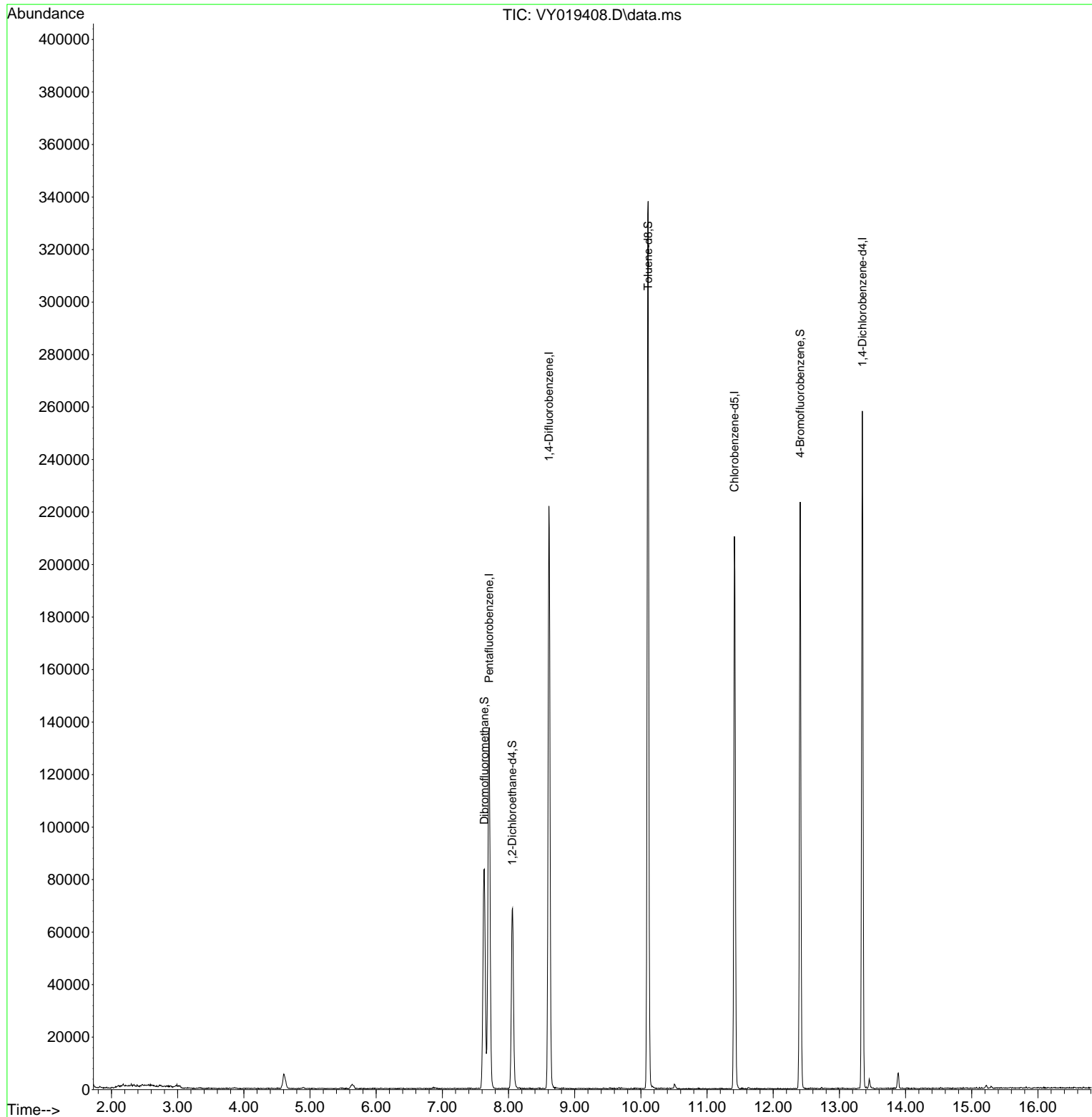
Target Compounds Qvalue

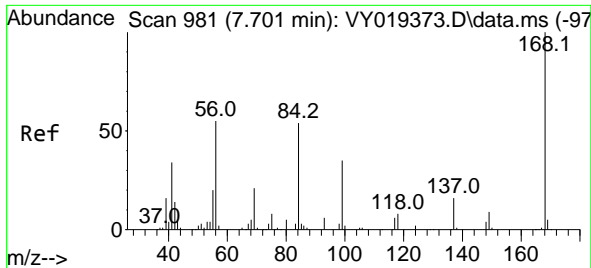
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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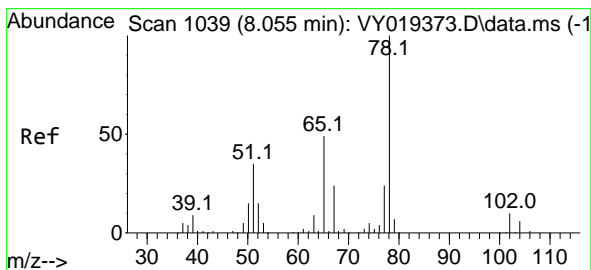
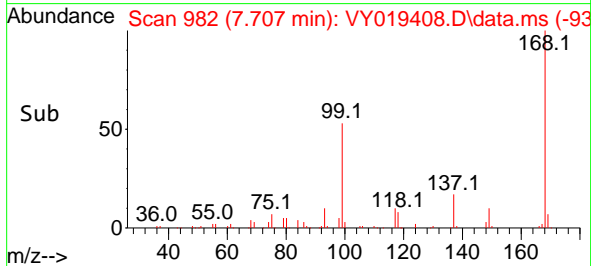
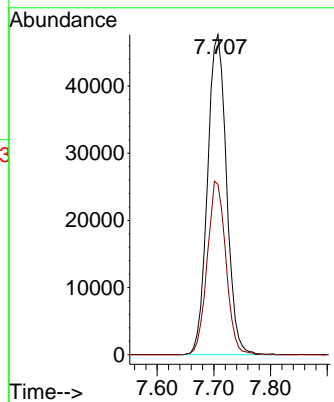
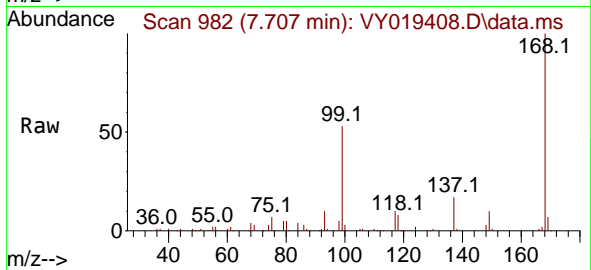




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.707 min Scan# 91  
 Delta R.T. 0.006 min  
 Lab File: VY019408.D  
 Acq: 30 Aug 2024 20:07

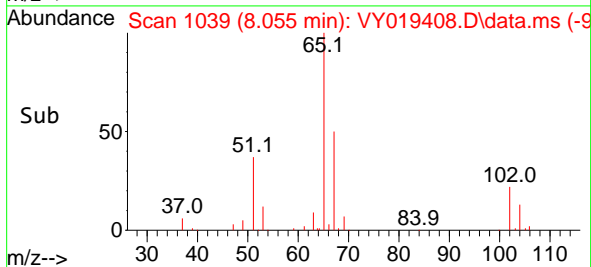
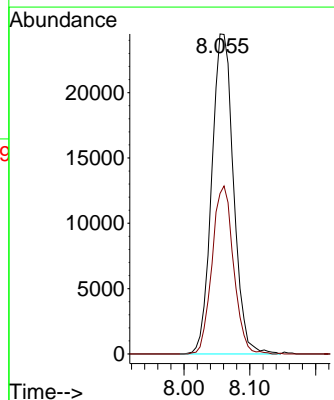
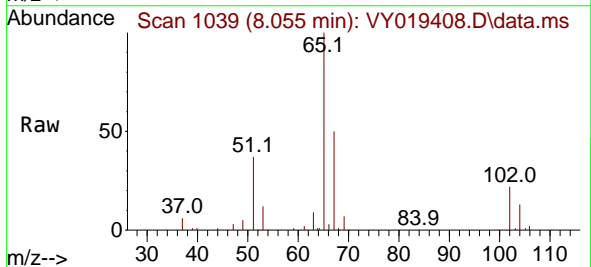
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BUR-1294

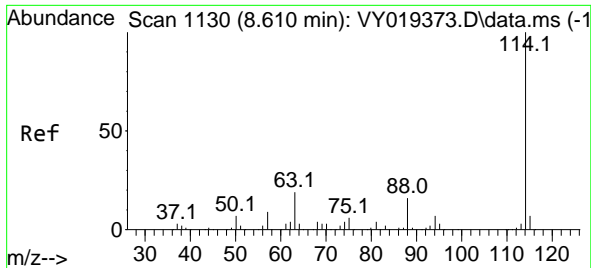
Tgt Ion:168 Resp: 110911  
 Ion Ratio Lower Upper  
 168 100  
 99 53.2 39.1 58.7



#33  
 1,2-Dichloroethane-d4  
 Concen: 53.734 ug/l  
 RT: 8.055 min Scan# 1039  
 Delta R.T. -0.000 min  
 Lab File: VY019408.D  
 Acq: 30 Aug 2024 20:07

Tgt Ion: 65 Resp: 56449  
 Ion Ratio Lower Upper  
 65 100  
 67 51.7 0.0 109.6

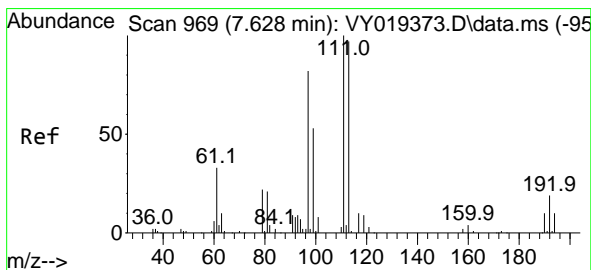
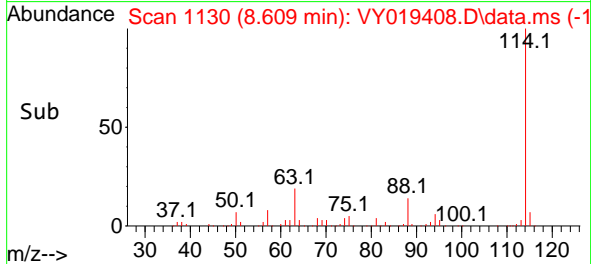
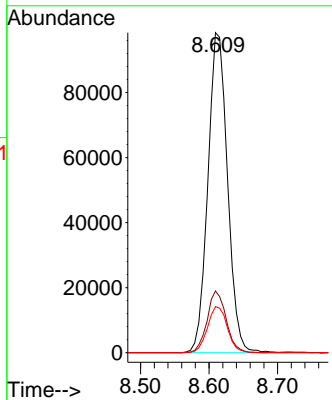
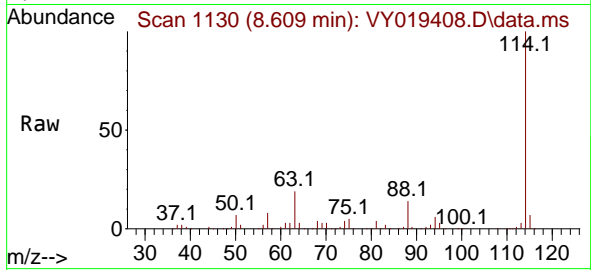




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.609 min Scan# 1130  
 Delta R.T. -0.000 min  
 Lab File: VY019408.D  
 Acq: 30 Aug 2024 20:07

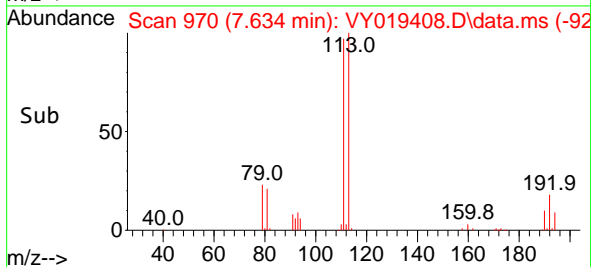
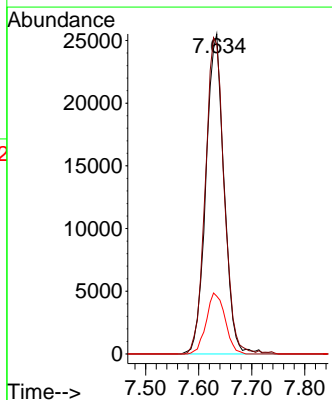
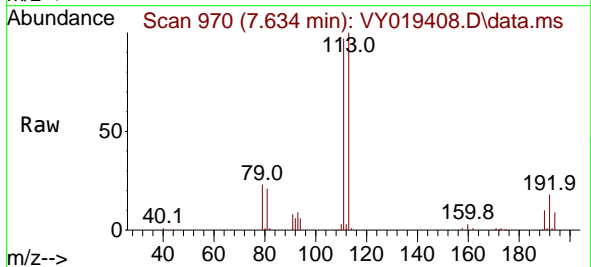
Instrument : MSVOA\_Y  
 ClientSampleId : BUR-1294

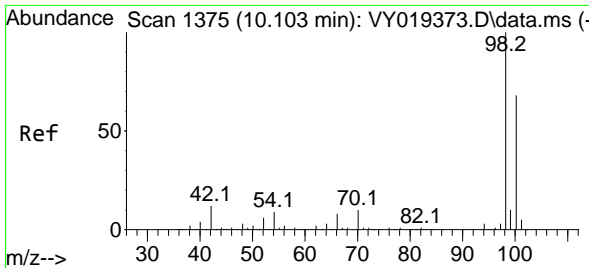
Tgt Ion	Resp	Lower	Upper
114	196021		
63	19.3	0.0	35.0
88	14.4	0.0	27.2



#35  
 Dibromofluoromethane  
 Concen: 48.963 ug/l  
 RT: 7.634 min Scan# 970  
 Delta R.T. 0.006 min  
 Lab File: VY019408.D  
 Acq: 30 Aug 2024 20:07

Tgt Ion	Resp	Lower	Upper
113	60680		
111	102.5	82.2	123.4
192	19.8	15.9	23.9

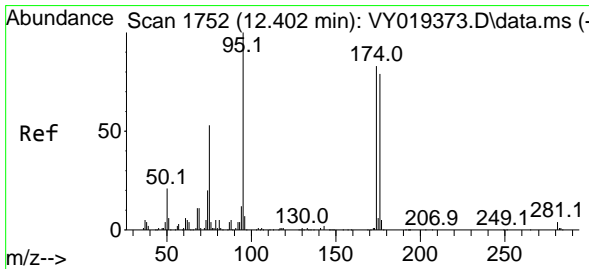
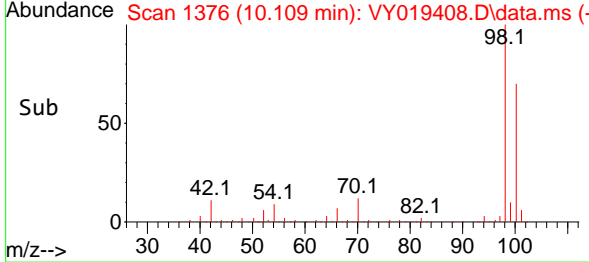
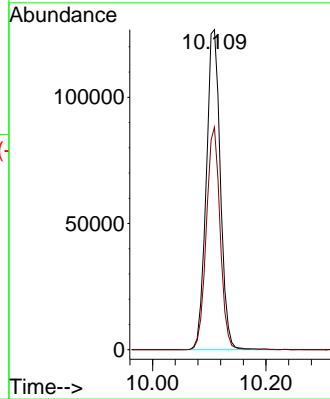
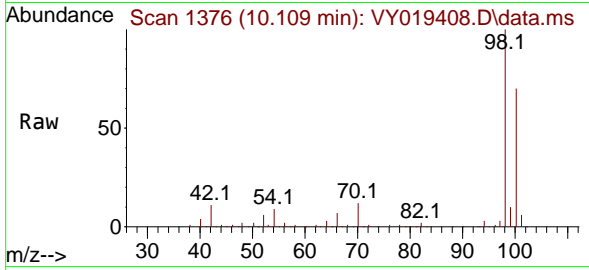




#50  
 Toluene-d8  
 Concen: 47.910 ug/l  
 RT: 10.109 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VY019408.D  
 Acq: 30 Aug 2024 20:07

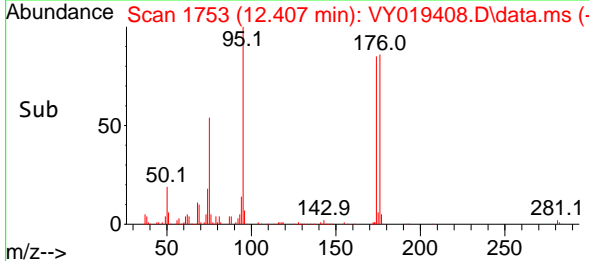
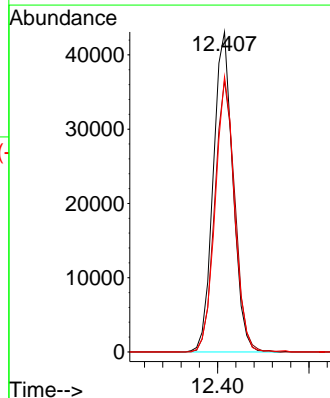
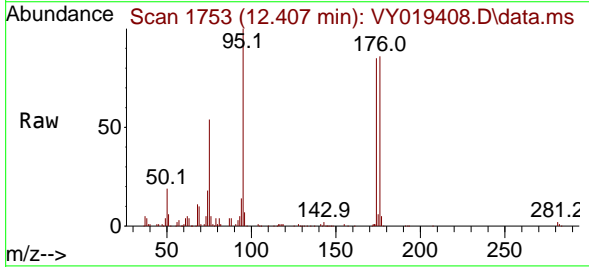
Instrument :  
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 ClientSampleId :  
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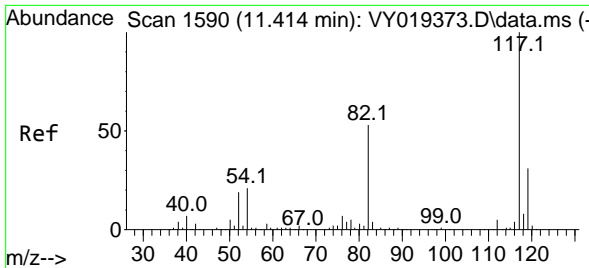
Tgt Ion: 98 Resp: 218574  
 Ion Ratio Lower Upper  
 98 100  
 100 68.0 52.0 78.0



#62  
 4-Bromofluorobenzene  
 Concen: 43.626 ug/l  
 RT: 12.407 min Scan# 1753  
 Delta R.T. 0.006 min  
 Lab File: VY019408.D  
 Acq: 30 Aug 2024 20:07

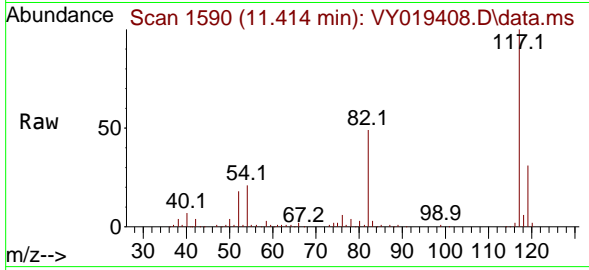
Tgt Ion: 95 Resp: 64373  
 Ion Ratio Lower Upper  
 95 100  
 174 87.4 0.0 175.6  
 176 84.6 0.0 171.4





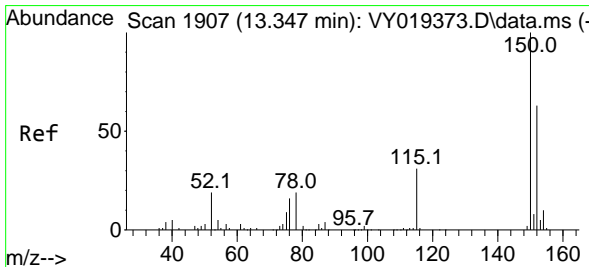
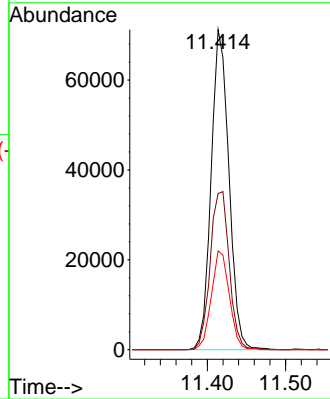
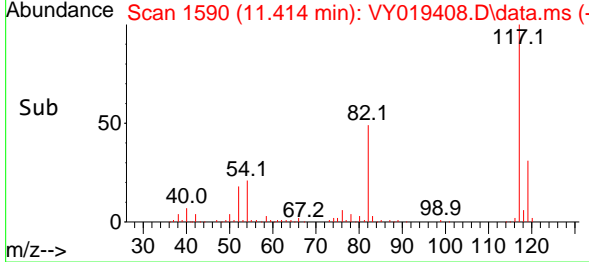
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.414 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VY019408.D  
 Acq: 30 Aug 2024 20:07

Instrument : MSVOA\_Y  
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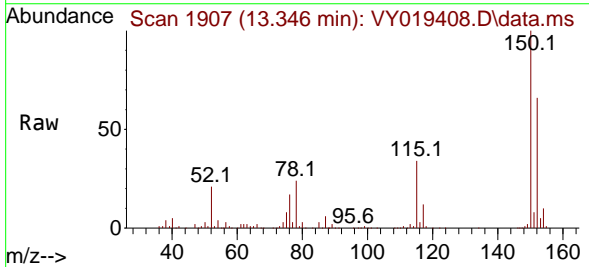


Tgt Ion:117 Resp: 112281

Ion	Ratio	Lower	Upper
117	100		
82	48.8	42.4	63.6
119	30.9	25.9	38.9



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. -0.000 min  
 Lab File: VY019408.D  
 Acq: 30 Aug 2024 20:07



Tgt Ion:152 Resp: 66051

Ion	Ratio	Lower	Upper
152	100		
115	54.4	28.2	84.7
150	149.9	0.0	345.6

