

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075751.D
 Acq On : 13 Dec 2022 09:16
 Operator : JC\MD
 Sample : N5999-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-20

Quant Time: Dec 13 13:04:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

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

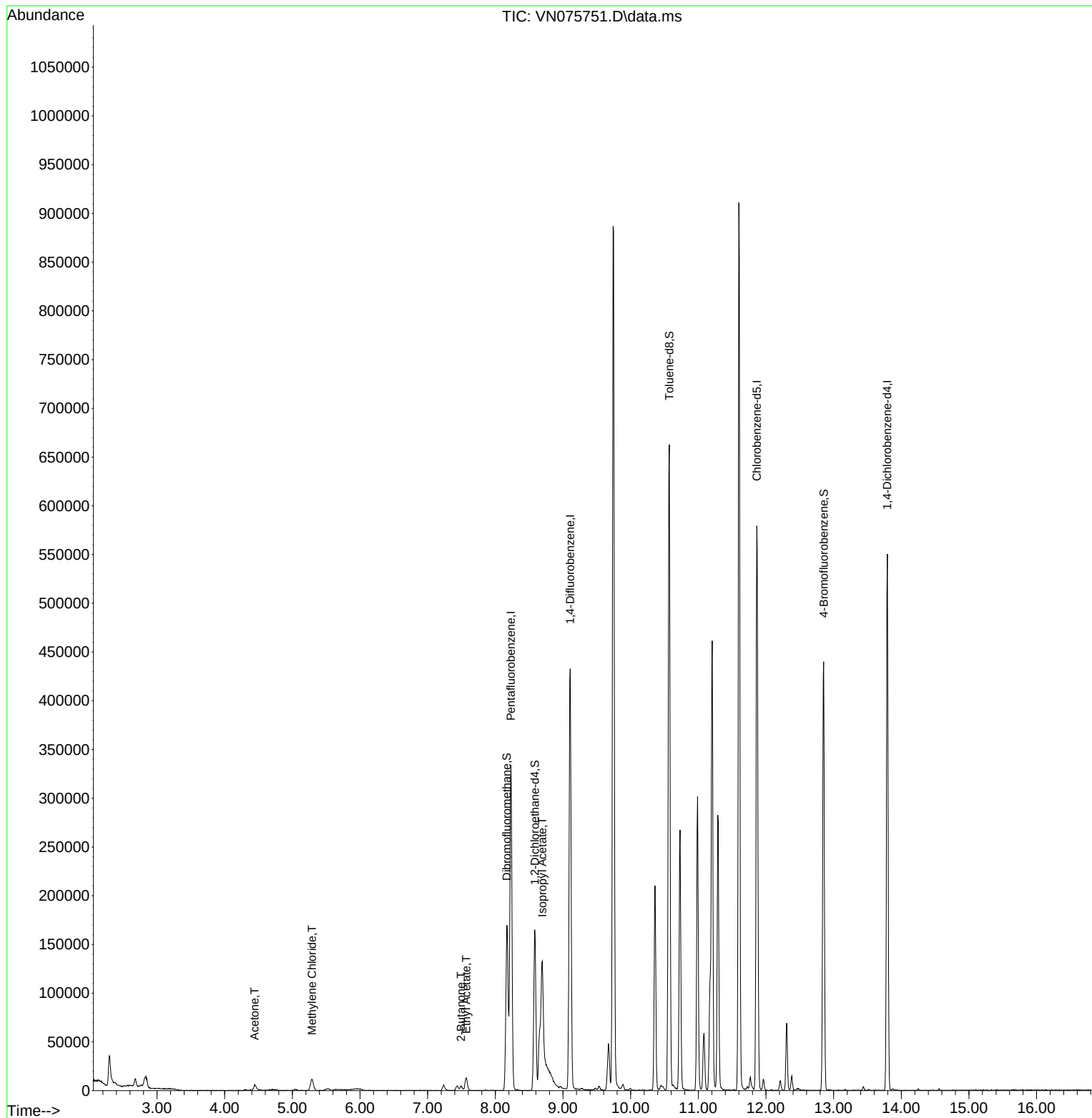
Internal Standards						
1) Pentafluorobenzene	8.230	168	257213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	408709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	363004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	156710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	132117	48.411	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.820%
35) Dibromofluoromethane	8.171	113	121191	48.601	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.200%
50) Toluene-d8	10.571	98	474993	50.722	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.440%
62) 4-Bromofluorobenzene	12.853	95	148729	46.452	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.900%
Target Compounds						
					Qvalue	
16) Acetone	4.442	43	10399	11.252	ug/l	95
20) Methylene Chloride	5.289	84	9701	3.521	ug/l	94
25) 2-Butanone	7.494	43	6879	5.091	ug/l	94
37) Ethyl Acetate	7.571	43	19936	7.499	ug/l	97
43) Isopropyl Acetate	8.694	43	244825	55.164	ug/l #	67

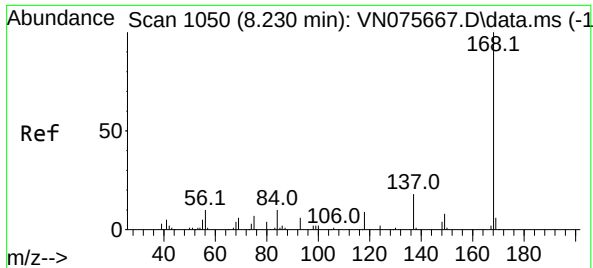
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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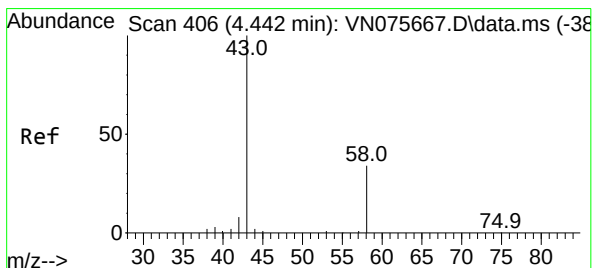
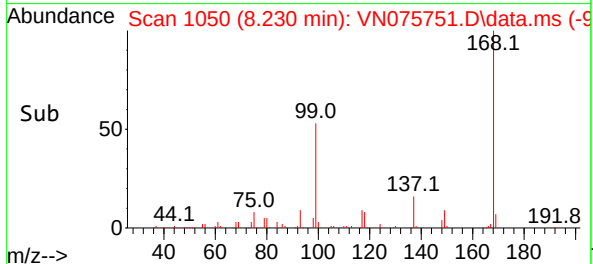
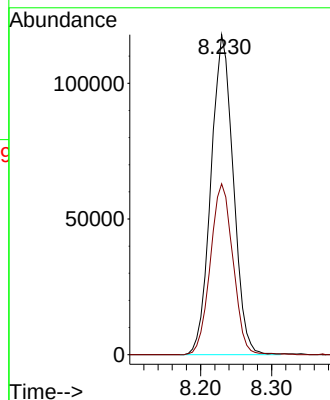
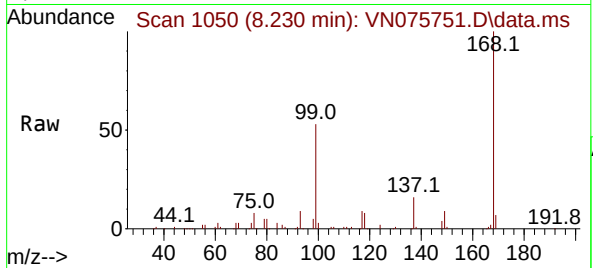




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

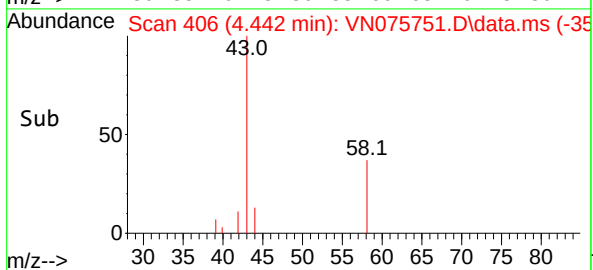
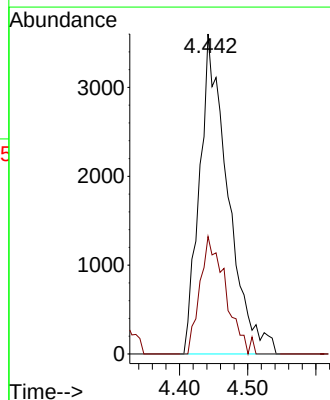
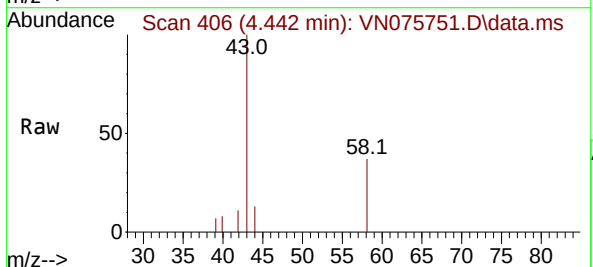
Instrument :
MSVOA_N
ClientSampleId :
MH-20

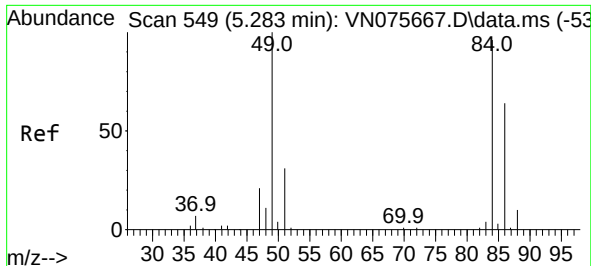
Tgt Ion:168 Resp: 257213
Ion Ratio Lower Upper
168 100
99 53.4 41.2 61.8



#16
Acetone
Concen: 11.252 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Tgt Ion: 43 Resp: 10399
Ion Ratio Lower Upper
43 100
58 36.7 27.0 40.4





#20

Methylene Chloride

Concen: 3.521 ug/l

RT: 5.289 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN075751.D

Acq: 13 Dec 2022 09:16

Instrument :

MSVOA_N

ClientSampleId :

MH-20

Tgt Ion: 84 Resp: 9701

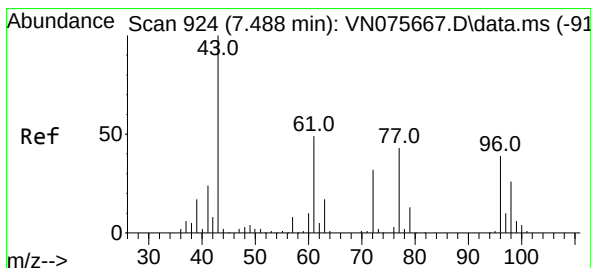
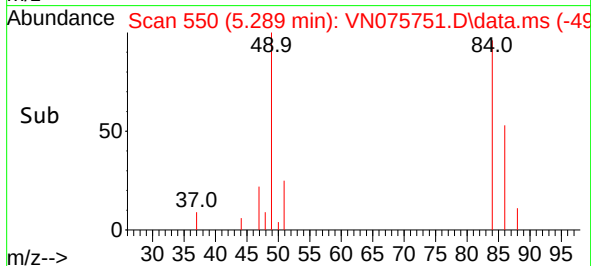
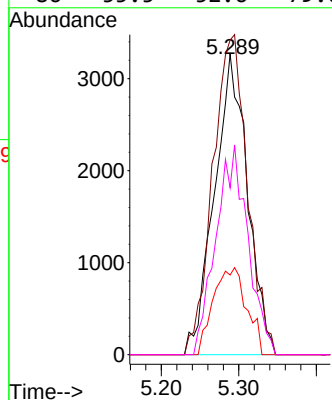
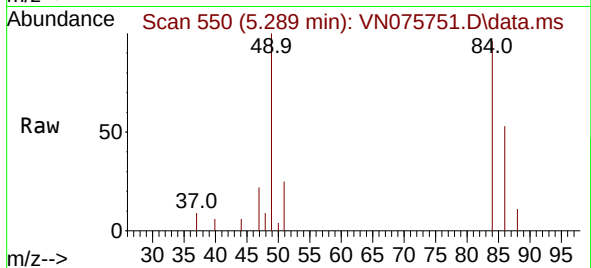
Ion Ratio Lower Upper

84 100

49 104.6 83.0 124.4

51 26.5 26.0 39.0

86 55.5 52.6 79.0



#25

2-Butanone

Concen: 5.091 ug/l

RT: 7.494 min Scan# 925

Delta R.T. 0.006 min

Lab File: VN075751.D

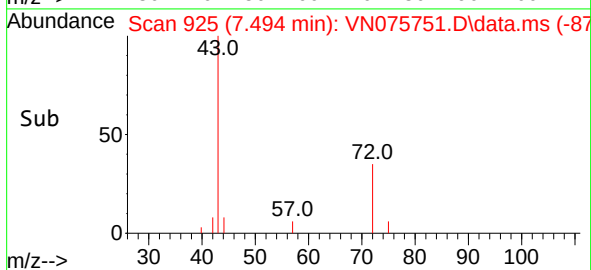
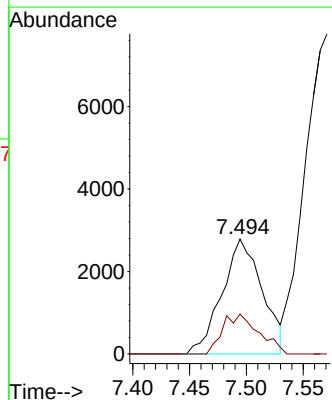
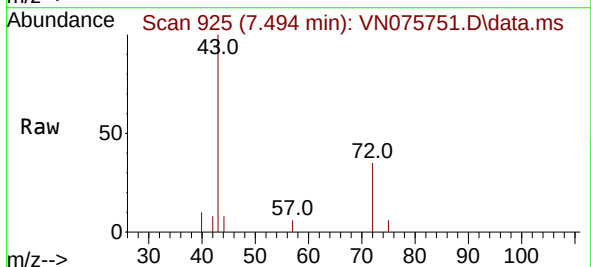
Acq: 13 Dec 2022 09:16

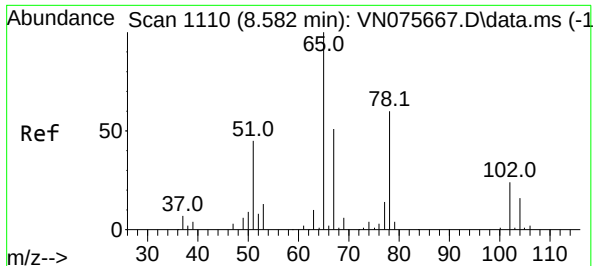
Tgt Ion: 43 Resp: 6879

Ion Ratio Lower Upper

43 100

72 34.8 25.3 37.9





#33

1,2-Dichloroethane-d4

Concen: 48.411 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075751.D

Acq: 13 Dec 2022 09:16

Instrument :

MSVOA_N

ClientSampleId :

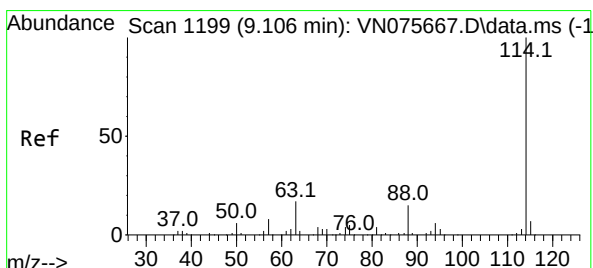
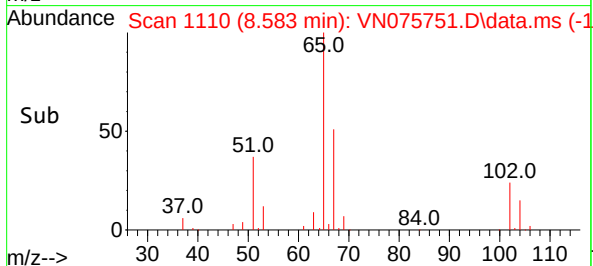
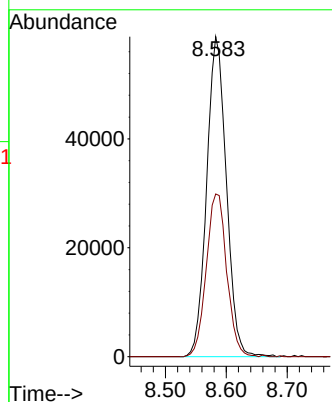
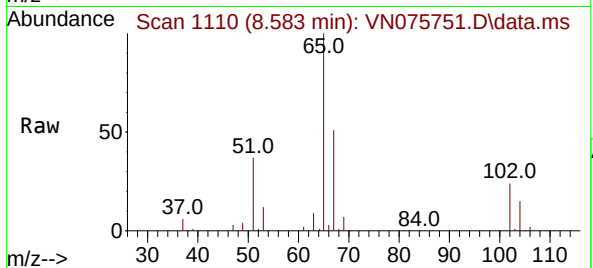
MH-20

Tgt Ion: 65 Resp: 132117

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075751.D

Acq: 13 Dec 2022 09:16

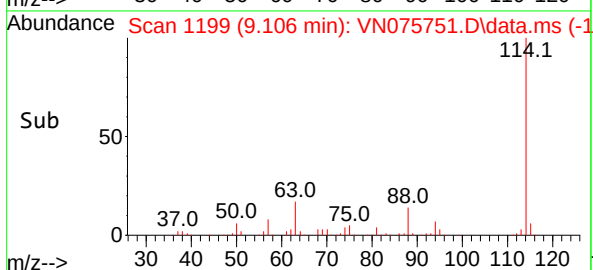
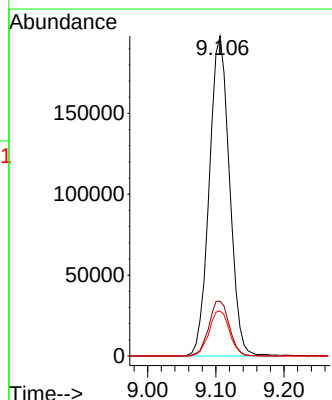
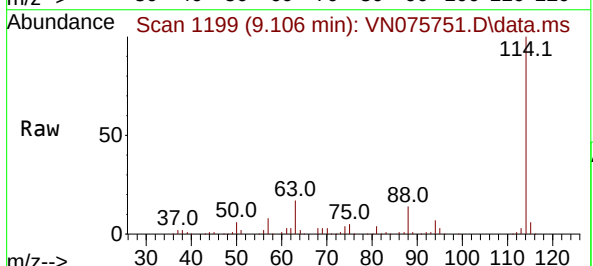
Tgt Ion: 114 Resp: 408709

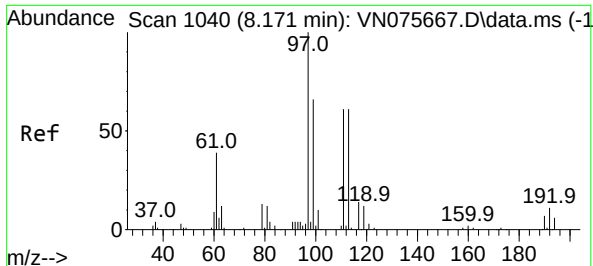
Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.4

88 14.0 0.0 29.2





#35

Dibromofluoromethane

Concen: 48.601 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075751.D

Acq: 13 Dec 2022 09:16

Instrument :

MSVOA_N

ClientSampleId :

MH-20

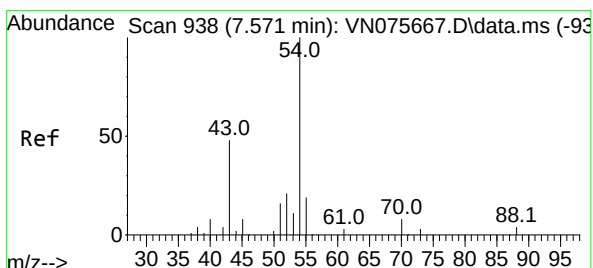
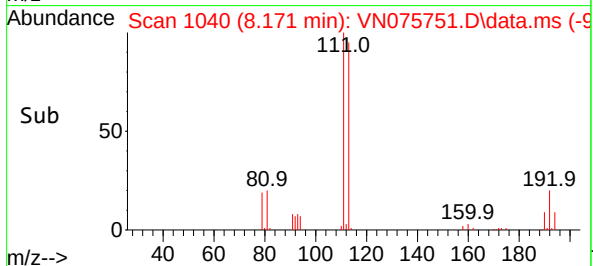
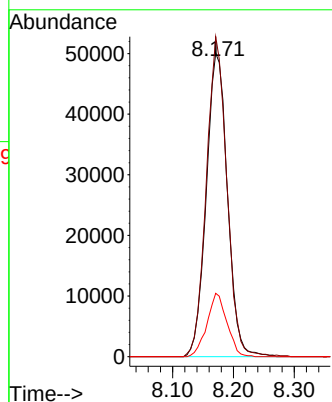
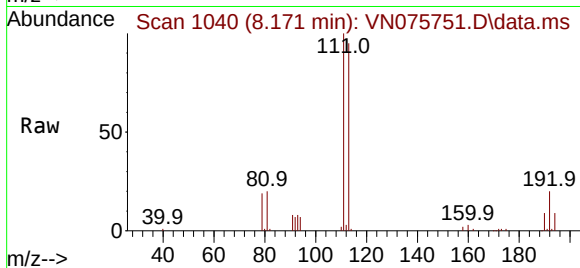
Tgt Ion:113 Resp: 121191

Ion Ratio Lower Upper

113 100

111 102.0 81.0 121.6

192 19.6 16.2 24.2



#37

Ethyl Acetate

Concen: 7.499 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.000 min

Lab File: VN075751.D

Acq: 13 Dec 2022 09:16

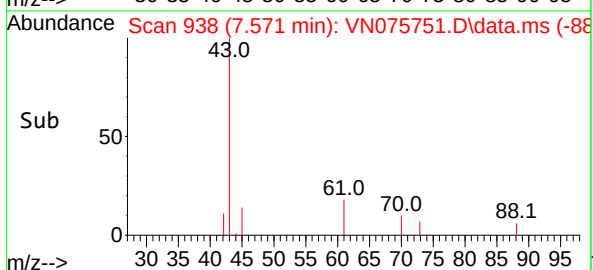
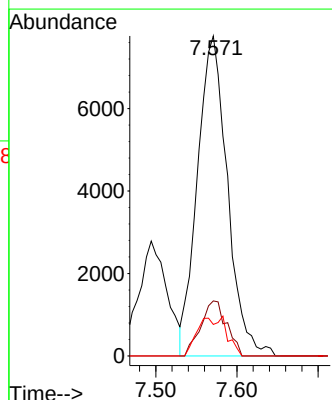
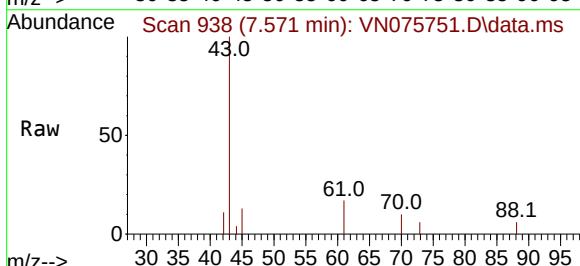
Tgt Ion: 43 Resp: 19936

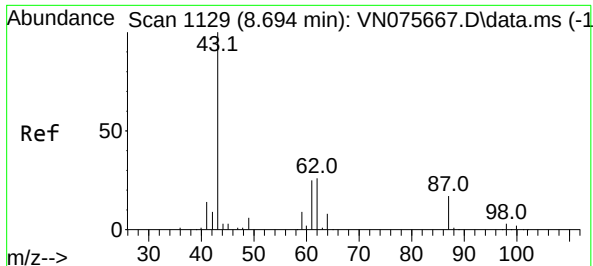
Ion Ratio Lower Upper

43 100

61 14.8 13.3 19.9

70 11.8 9.9 14.9

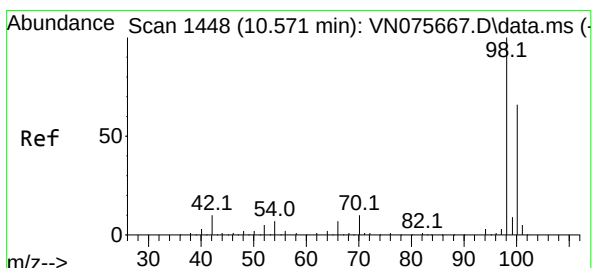
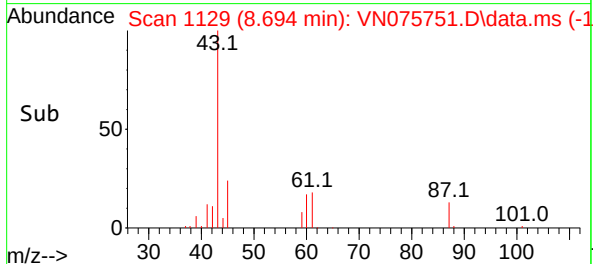
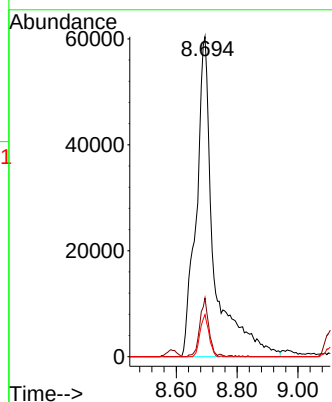
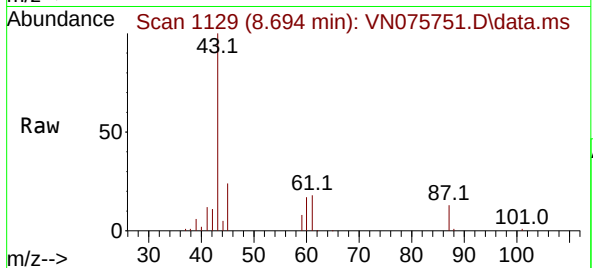




#43
Isopropyl Acetate
Concen: 55.164 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

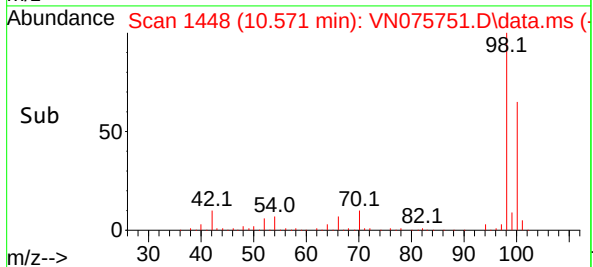
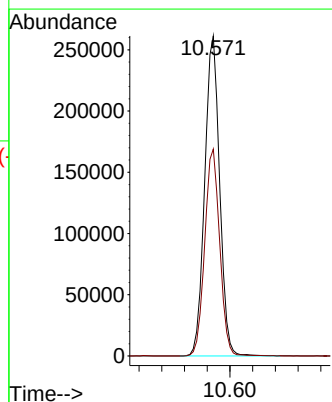
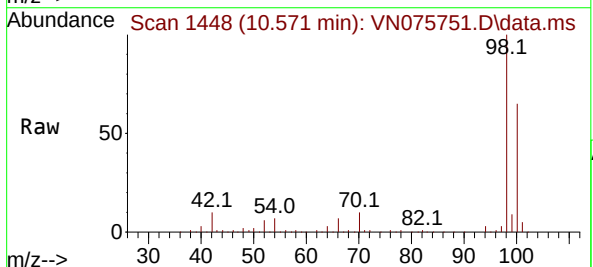
Instrument :
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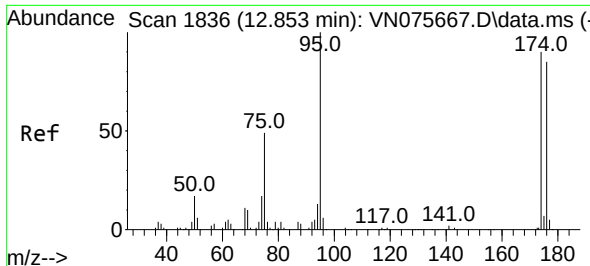
Tgt Ion: 43 Resp: 244825
Ion Ratio Lower Upper
43 100
61 9.2 23.8 35.8#
87 6.5 13.7 20.5#



#50
Toluene-d8
Concen: 50.722 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Tgt Ion: 98 Resp: 474993
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8

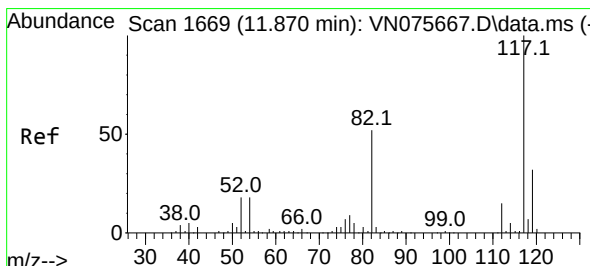
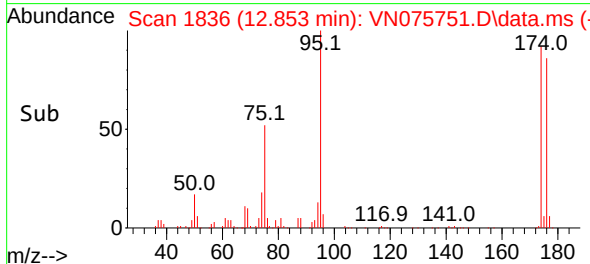
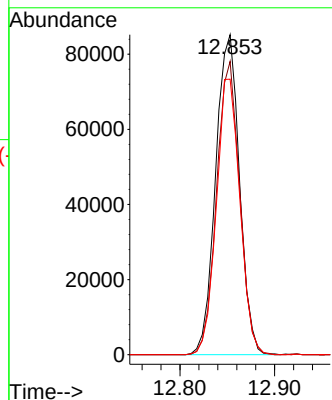
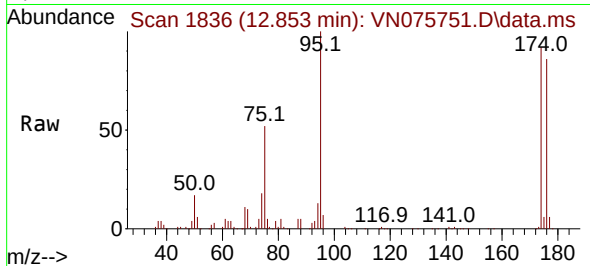




#62
4-Bromofluorobenzene
Concen: 46.452 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

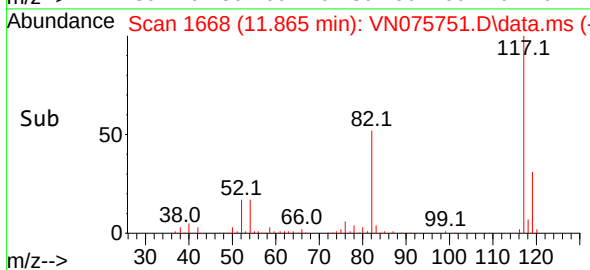
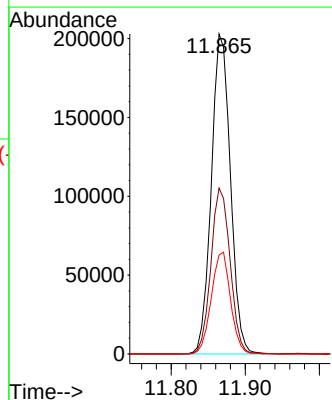
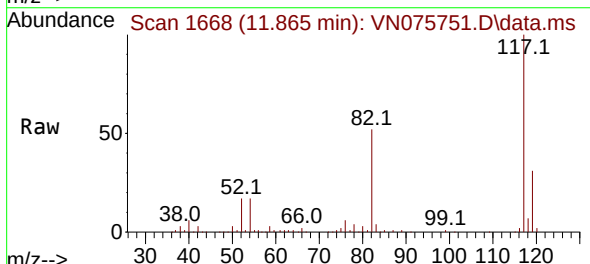
Instrument :
MSVOA_N
ClientSampleId :
MH-20

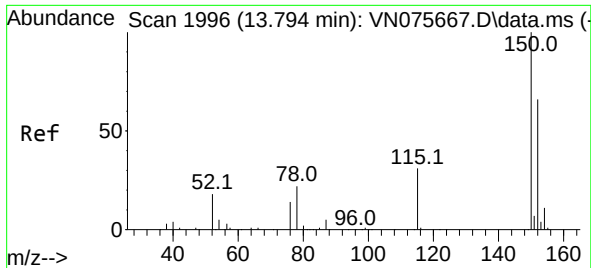
Tgt Ion: 95 Resp: 148729
Ion Ratio Lower Upper
95 100
174 89.0 0.0 178.6
176 85.4 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075751.D
Acq: 13 Dec 2022 09:16

Tgt Ion: 117 Resp: 363004
Ion Ratio Lower Upper
117 100
82 51.8 41.8 62.8
119 30.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN075751.D

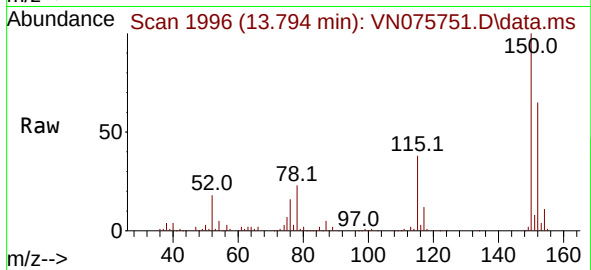
Acq: 13 Dec 2022 09:16

Instrument :

MSVOA_N

ClientSampleId :

MH-20



Tgt Ion:152 Resp: 156710

Ion Ratio Lower Upper

152 100

115 58.0 28.4 85.2

150 155.9 0.0 347.6

