

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
 Data File : VN081816.D
 Acq On : 19 Apr 2024 18:04
 Operator : JC\MD
 Sample : P2214-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240418050-02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/22/2024
 Supervised By : Mahesh Dadoda 04/22/2024

Quant Time: Apr 19 23:51:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	15759	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.100	114	81510	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.871	117	108142	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	52988	27.370	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	91.233%	
60) 4-Bromofluorobenzene	12.847	95	55233	25.978	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	86.600%	
63) Toluene-d8	10.571	98	121012	27.897	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	93.000%	
Target Compounds						
15) Acetone	4.436	58	16922m	82.948	ug/l	Qvalue
25) Chloroform	7.971	83	6556	1.479	ug/l	# 77
62) Toluene	10.629	91	2147	0.273	ug/l	89

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

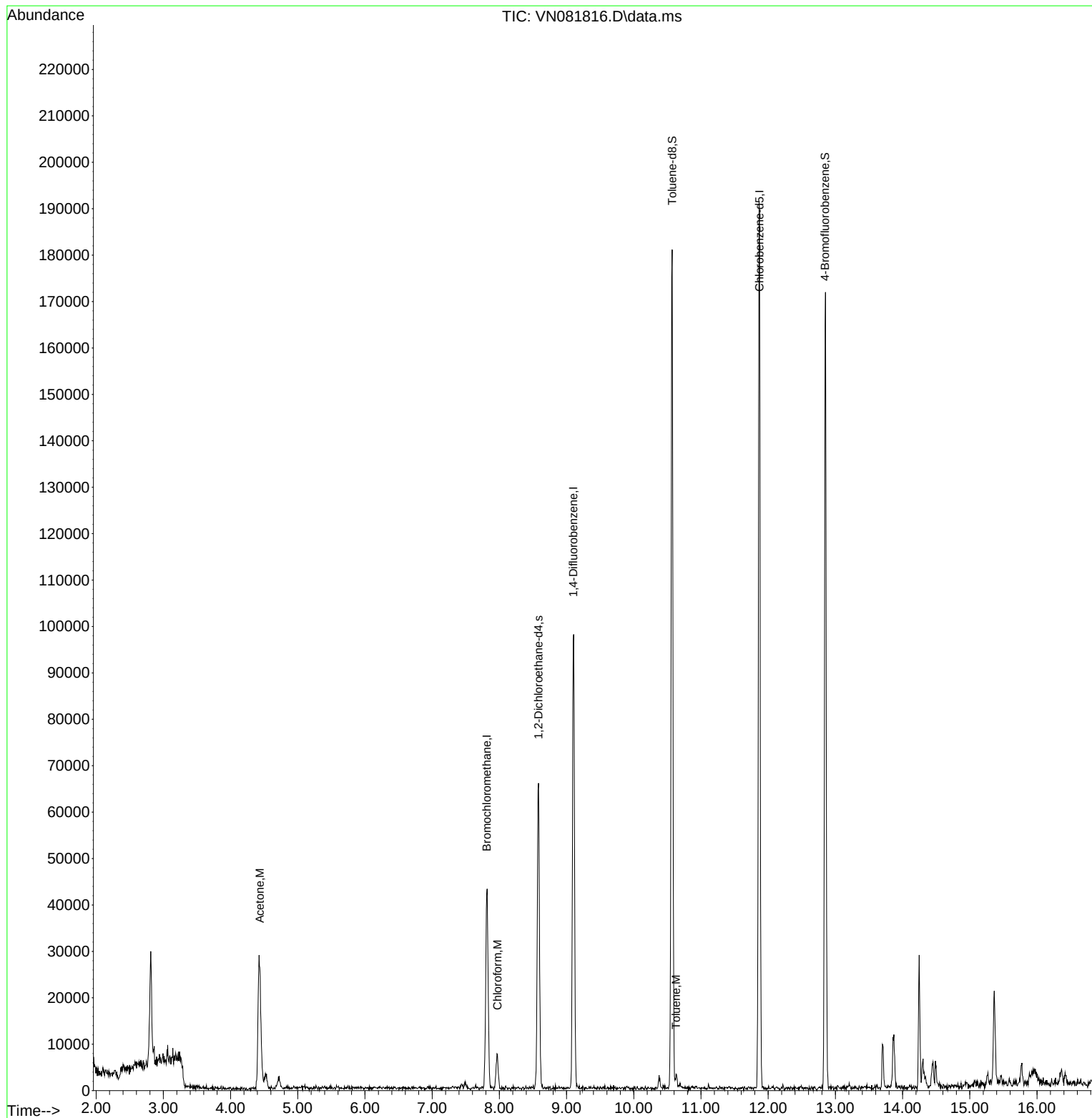
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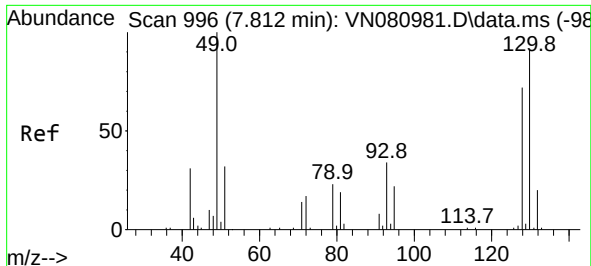
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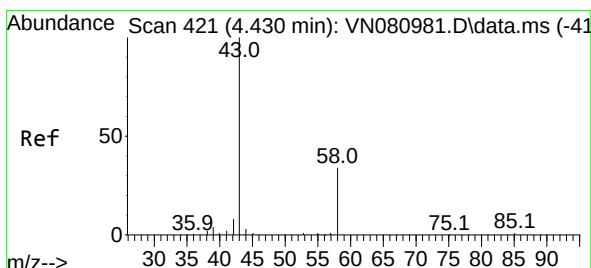
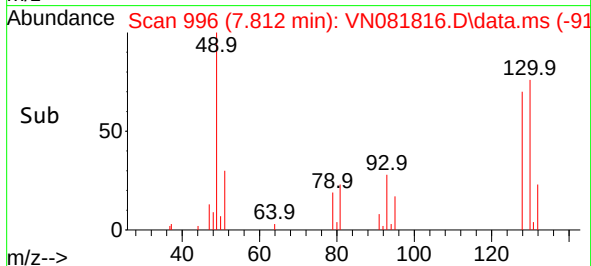
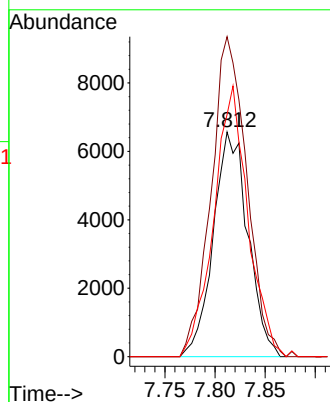
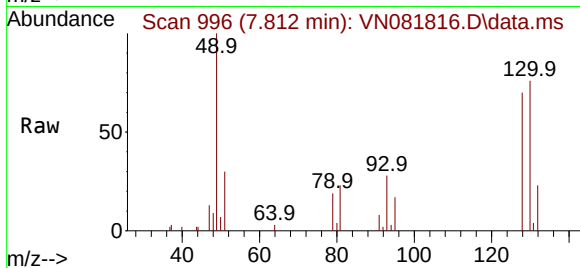
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN081816.D
Acq: 19 Apr 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :
240418050-02

Tgt Ion:128 Resp: 1575
Ion Ratio Lower Upper
128 100
49 146.9 0.0 403.7
130 118.8 0.0 323.3

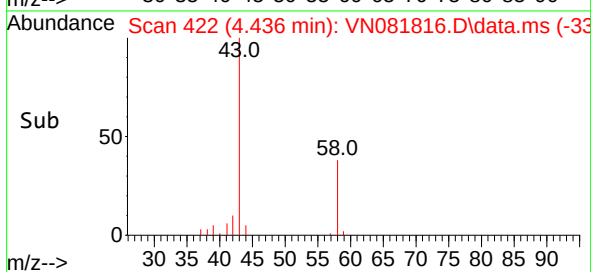
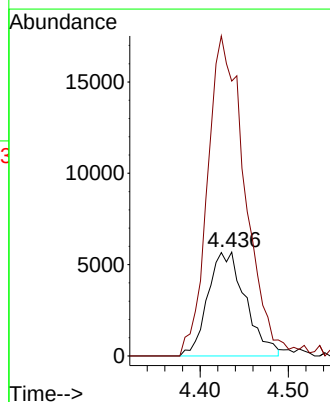
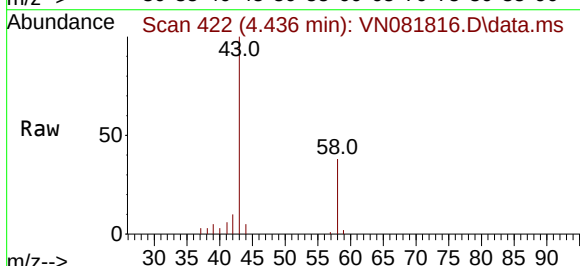
Manual Integrations
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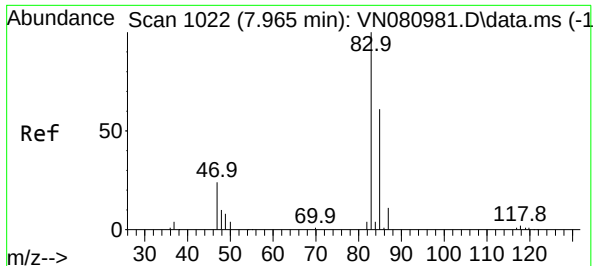
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#15
Acetone
Concen: 82.948 ug/l m
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN081816.D
Acq: 19 Apr 2024 18:04

Tgt Ion: 58 Resp: 16922
Ion Ratio Lower Upper
58 100
43 264.9 223.1 334.7





#25

Chloroform

Concen: 1.479 ug/l

RT: 7.971 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN081816.D

Acq: 19 Apr 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :

240418050-02

Tgt Ion: 83 Resp: 6550

Ion Ratio Lower Upper

83 100

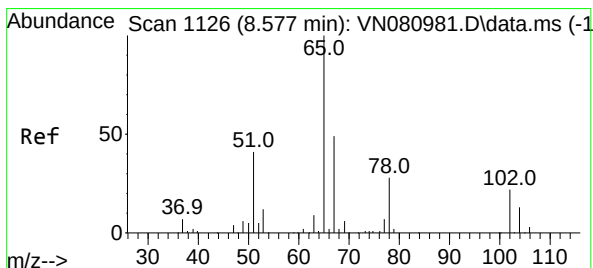
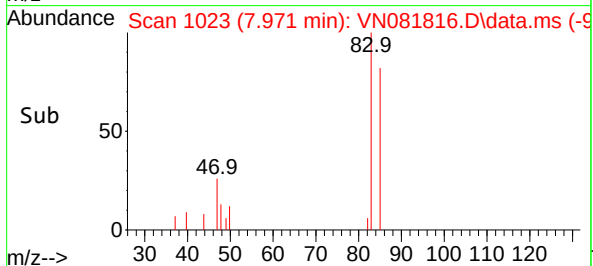
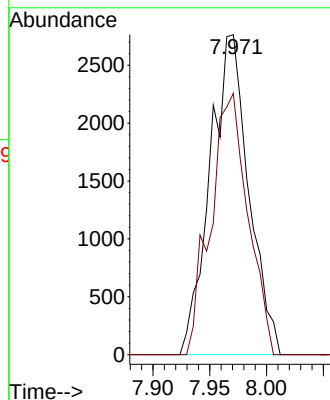
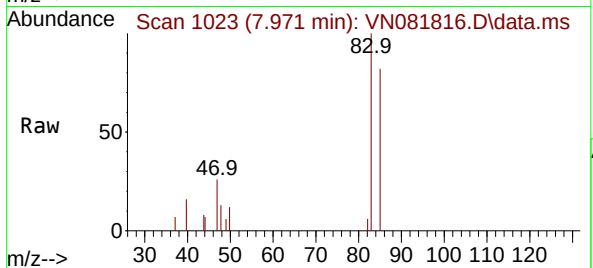
85 81.7 50.9 76.3

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#27

1,2-Dichloroethane-d4

Concen: 27.370 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN081816.D

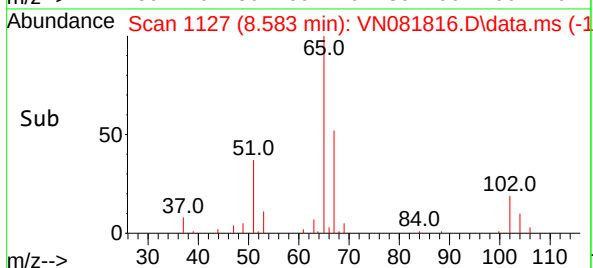
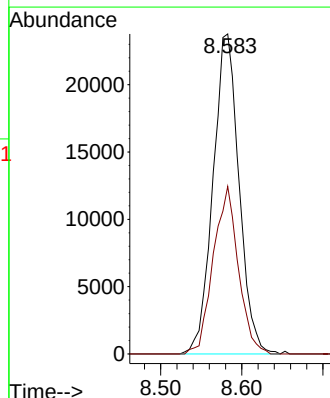
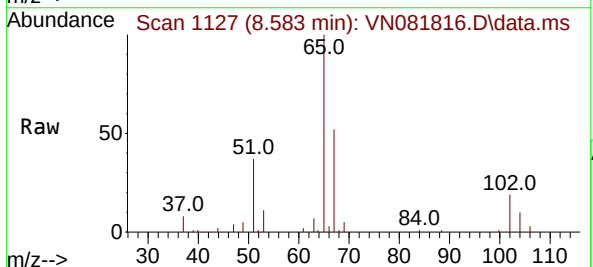
Acq: 19 Apr 2024 18:04

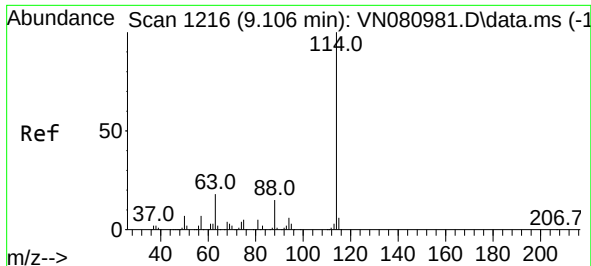
Tgt Ion: 65 Resp: 52988

Ion Ratio Lower Upper

65 100

67 49.9 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081816.D

Acq: 19 Apr 2024 18:04

Instrument :

MSVOA_N

ClientSampleId :

240418050-02

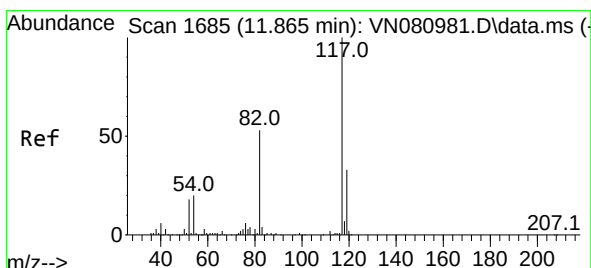
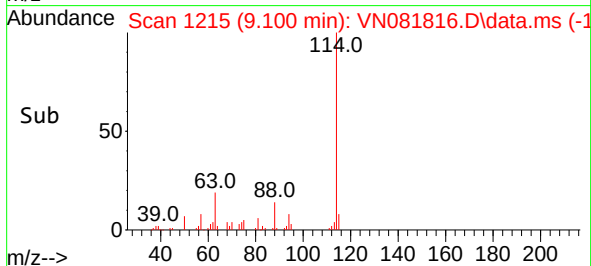
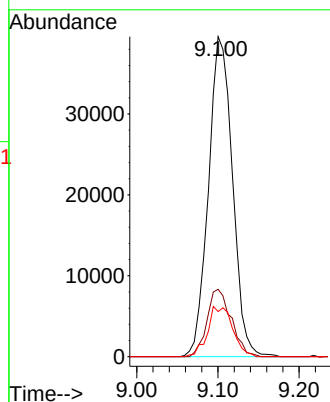
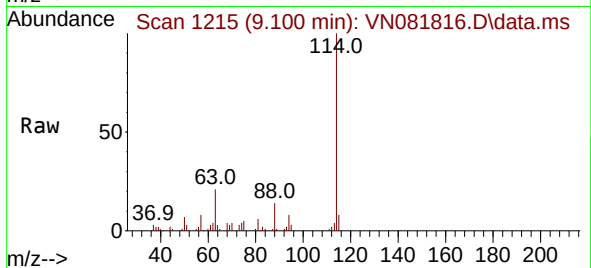
Tgt Ion:114	Resp:	81510
Ion Ratio	Lower	Upper
114	100	
63	21.2	15.9 23.9
88	8.0	12.7 19.1

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#57

Chlorobenzene-d5

Concen: 30.000 ug/l

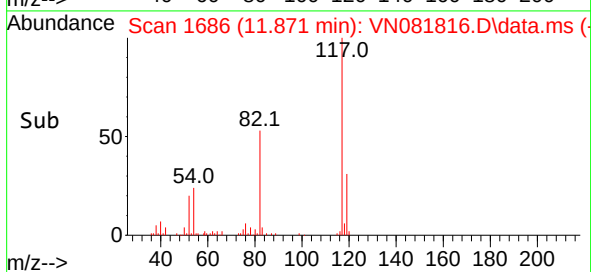
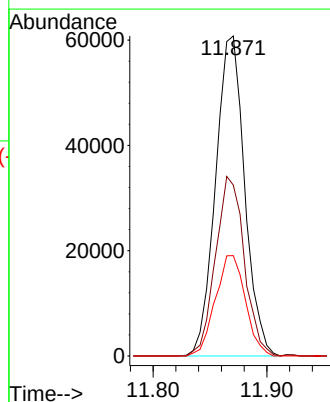
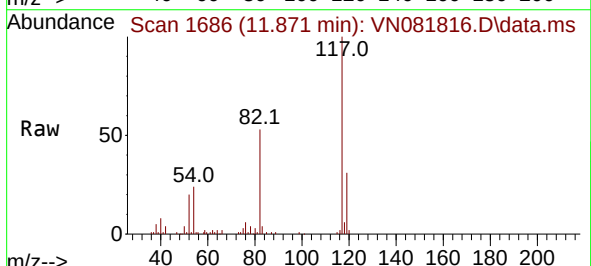
RT: 11.871 min Scan# 1686

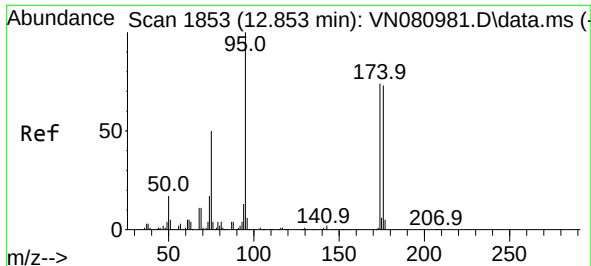
Delta R.T. 0.006 min

Lab File: VN081816.D

Acq: 19 Apr 2024 18:04

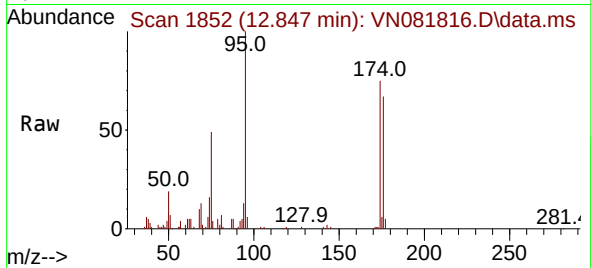
Tgt Ion:117	Resp:	108142
Ion Ratio	Lower	Upper
117	100	
82	55.6	46.6 69.8
119	32.4	25.4 38.2





#60
4-Bromofluorobenzene
Concen: 25.978 ug/l
RT: 12.847 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081816.D
Acq: 19 Apr 2024 18:04

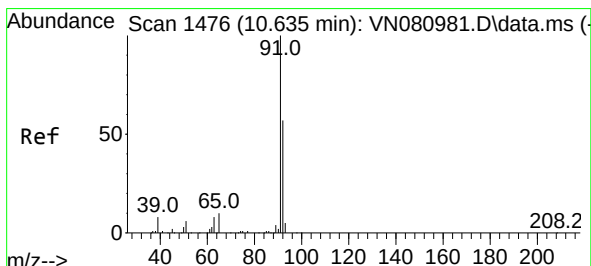
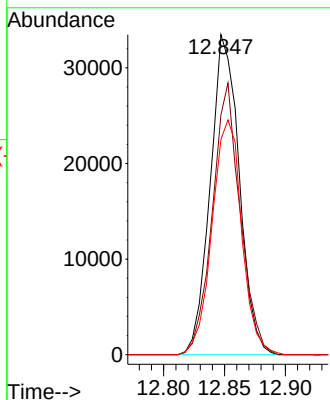
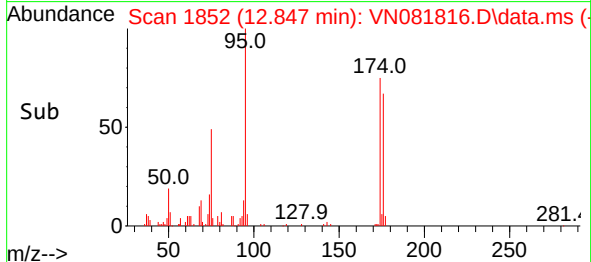
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MSVOA_N
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240418050-02



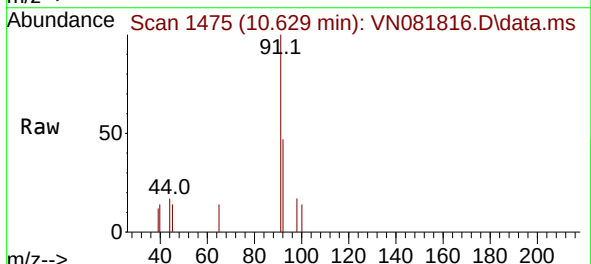
Tgt Ion: 95 Resp: 5523
Ion Ratio Lower Upper
95 100
174 81.7 60.5 90.7
176 75.4 57.8 86.6

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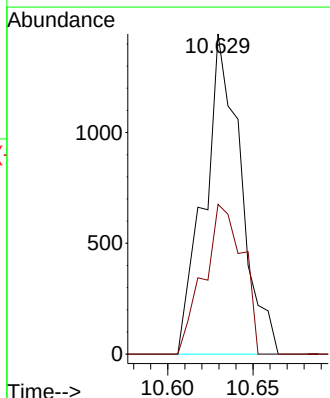
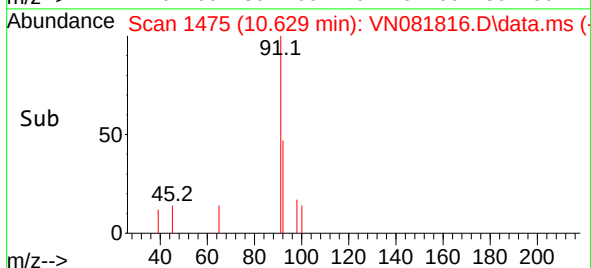
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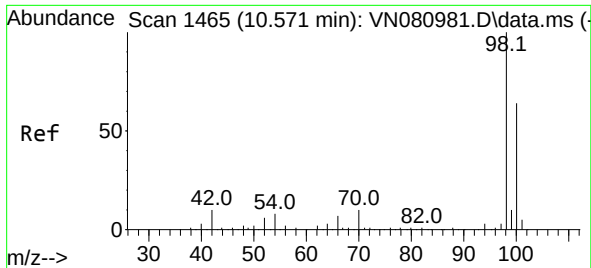


#62
Toluene
Concen: 0.273 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081816.D
Acq: 19 Apr 2024 18:04



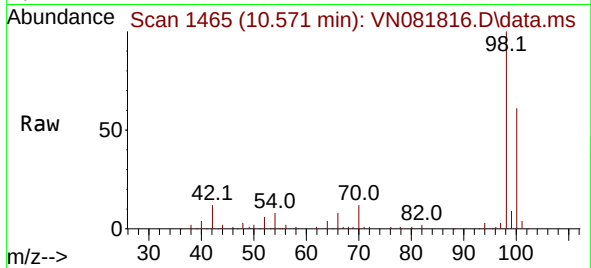
Tgt Ion: 91 Resp: 2147
Ion Ratio Lower Upper
91 100
92 50.1 46.5 69.7





#63
Toluene-d8
Concen: 27.897 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081816.D
Acq: 19 Apr 2024 18:04

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 98 Resp: 121012
Ion Ratio Lower Upper
98 100
100 67.0 52.7 79.1

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