

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
 Data File : VN083898.D
 Acq On : 14 Sep 2024 18:20
 Operator : JC\MD
 Sample : P3966-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VOA-240911078-02

Quant Time: Sep 16 03:29:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

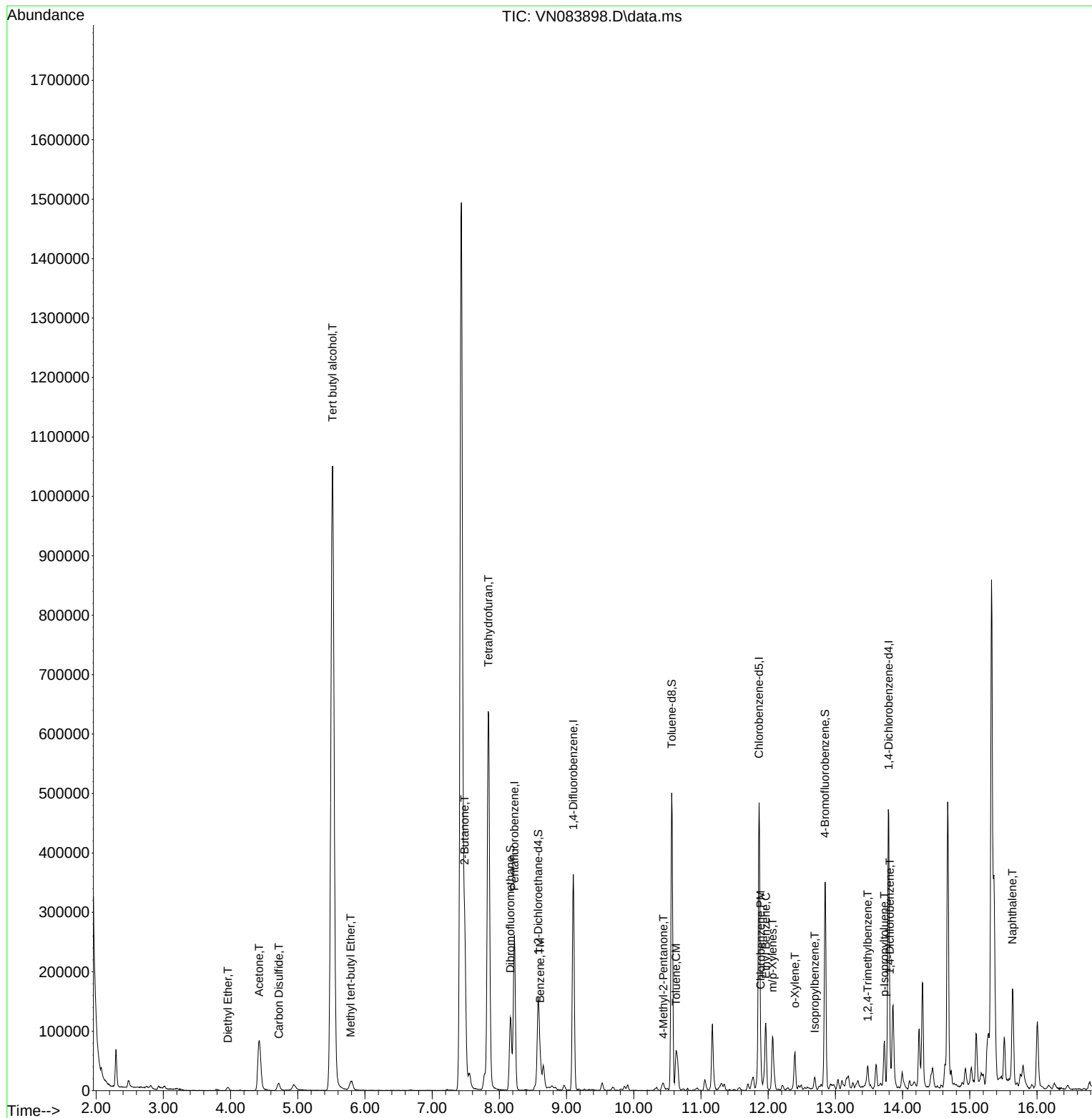
Internal Standards						
1) Pentafluorobenzene	8.224	168	172826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	291293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125056	47.988	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.980%		
35) Dibromofluoromethane	8.165	113	86200	46.224	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.440%		
50) Toluene-d8	10.565	98	324079	50.270	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.540%		
62) 4-Bromofluorobenzene	12.847	95	114792	43.158	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	86.320%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.959	74	3025	2.417	ug/l	93
11) Tert butyl alcohol	5.518	59	1990263	5703.351	ug/l	99
16) Acetone	4.424	43	154015	147.429	ug/l	97
17) Carbon Disulfide	4.718	76	9053	1.731	ug/l #	84
19) Methyl tert-butyl Ether	5.789	73	24299	3.592	ug/l	96
25) 2-Butanone	7.483	43	501579	365.302	ug/l	96
29) Tetrahydrofuran	7.835	42	496187	611.161	ug/l	98
40) Benzene	8.606	78	33729	3.992	ug/l #	90
51) 4-Methyl-2-Pentanone	10.441	43	10365	4.124	ug/l #	68
52) Toluene	10.629	92	25479	4.931	ug/l	96
65) Chlorobenzene	11.888	112	13097	2.341	ug/l	100
67) Ethyl Benzene	11.965	91	76992	7.747	ug/l	100
68) m/p-Xylenes	12.065	106	26775	7.257	ug/l	100
69) o-Xylene	12.400	106	14310	4.006	ug/l	95
73) Isopropylbenzene	12.694	105	9516	1.071	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	18733	2.489	ug/l	97
86) p-Isopropyltoluene	13.729	119	39210	5.380	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	10101	2.471	ug/l	88
95) Naphthalene	15.635	128	146982	23.104	ug/l	99

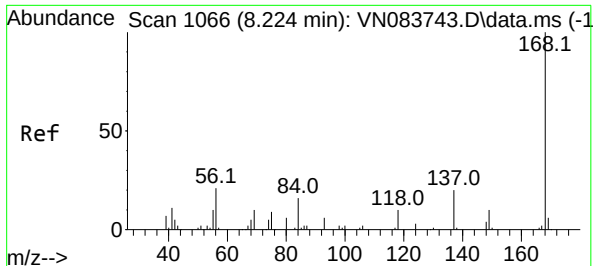
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VOA-240911078-02

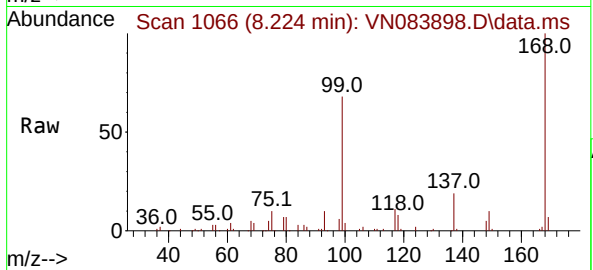
Quant Time: Sep 16 03:29:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
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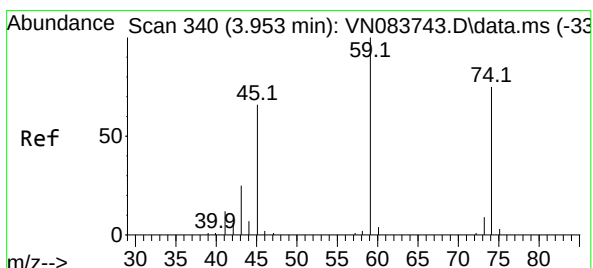
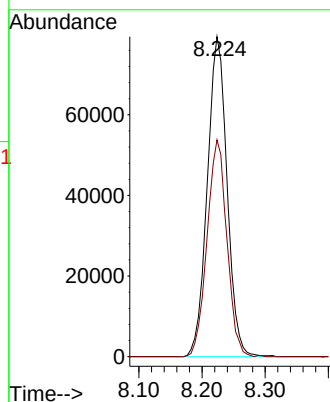
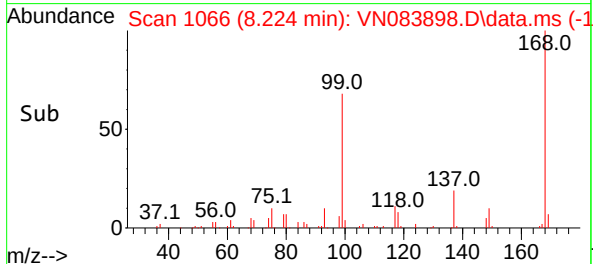


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02

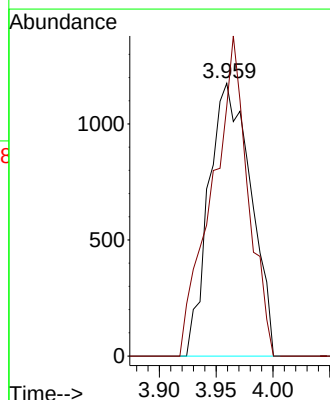
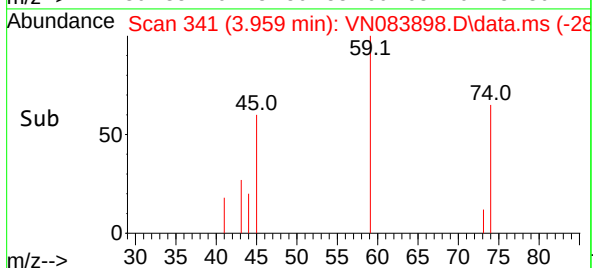
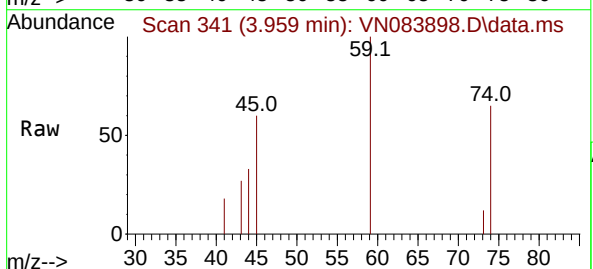


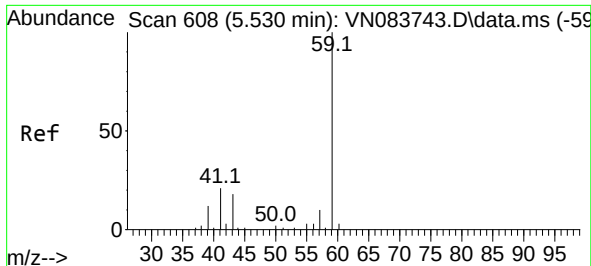
Tgt Ion:168 Resp: 172826
Ion Ratio Lower Upper
168 100
99 67.8 54.2 81.2



#8
Diethyl Ether
Concen: 2.417 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

Tgt Ion: 74 Resp: 3025
Ion Ratio Lower Upper
74 100
45 100.1 46.7 140.1

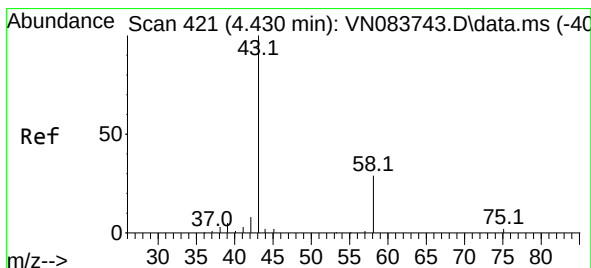
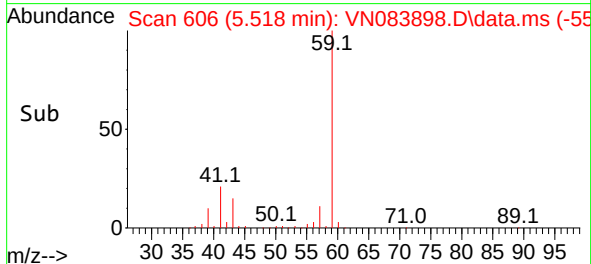
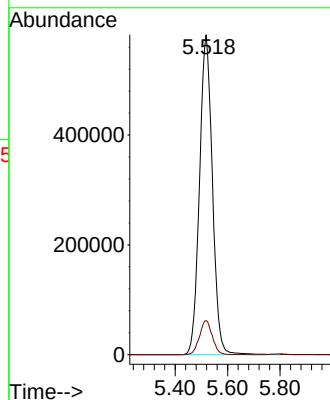
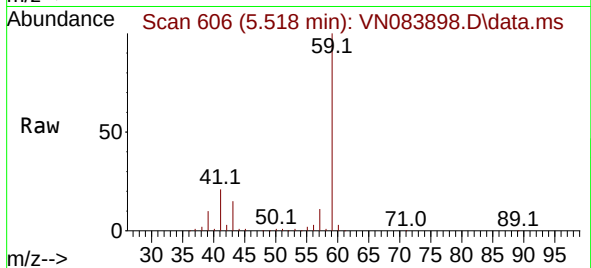




#11
Tert butyl alcohol
Concen: 5703.351 ug/l
RT: 5.518 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

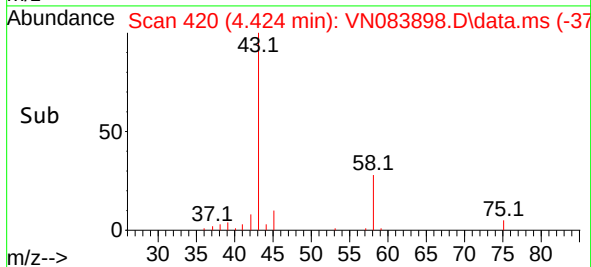
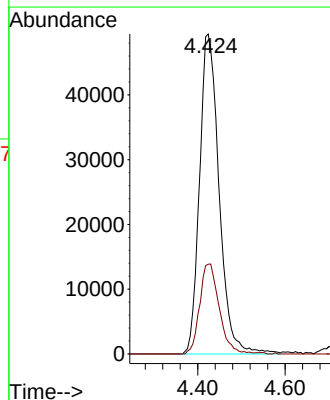
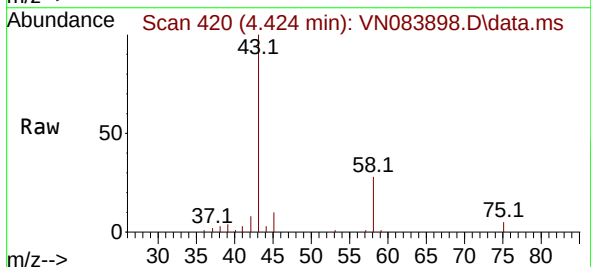
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VOA-240911078-02

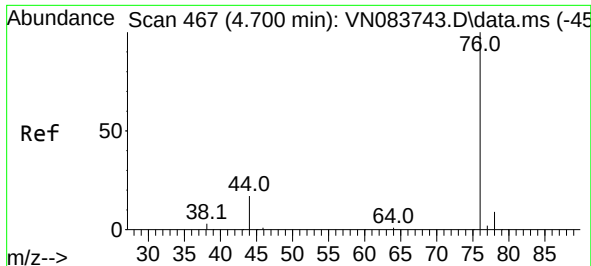
Tgt Ion: 59 Resp: 1990263
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1



#16
Acetone
Concen: 147.429 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

Tgt Ion: 43 Resp: 154015
Ion Ratio Lower Upper
43 100
58 28.0 23.7 35.5





#17

Carbon Disulfide

Concen: 1.731 ug/l

RT: 4.718 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN083898.D

Acq: 14 Sep 2024 18:20

Instrument :

MSVOA_N

ClientSampleId :

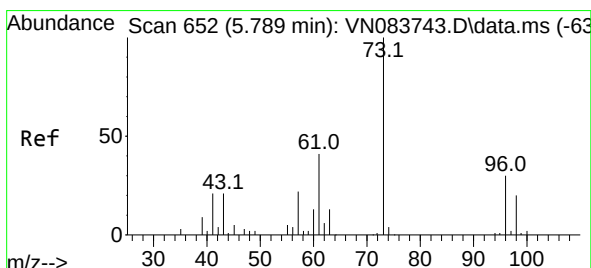
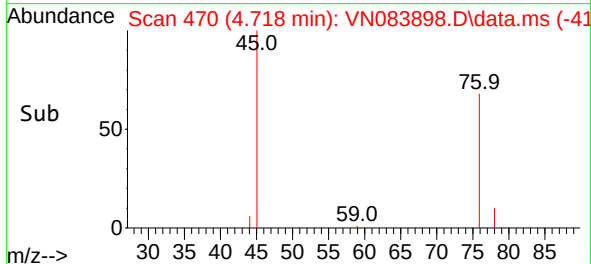
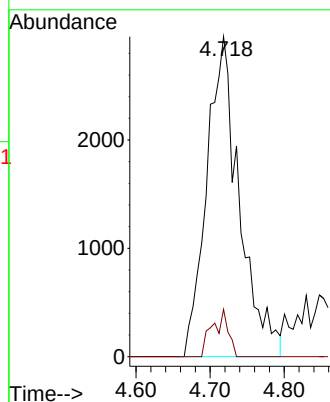
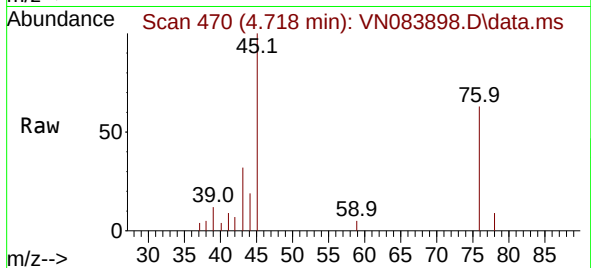
VOA-240911078-02

Tgt Ion: 76 Resp: 9053

Ion Ratio Lower Upper

76 100

78 14.8 7.1 10.7#



#19

Methyl tert-butyl Ether

Concen: 3.592 ug/l

RT: 5.789 min Scan# 652

Delta R.T. -0.000 min

Lab File: VN083898.D

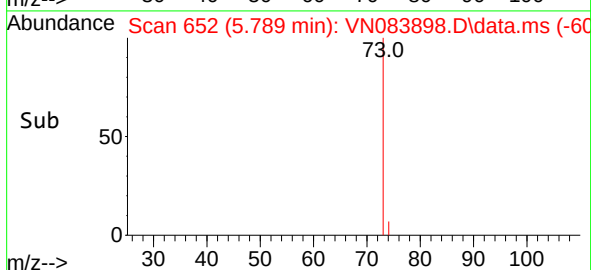
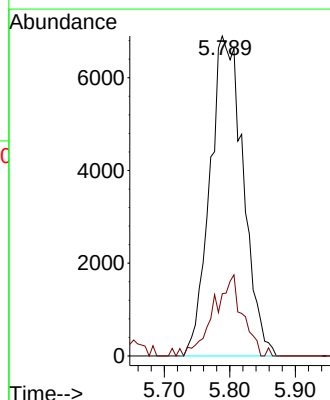
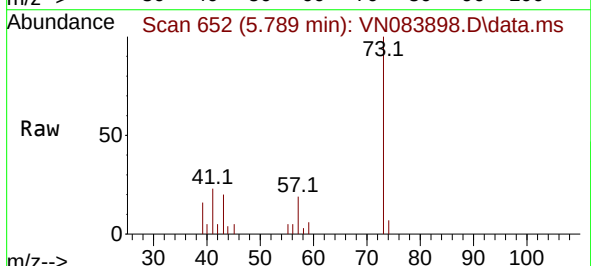
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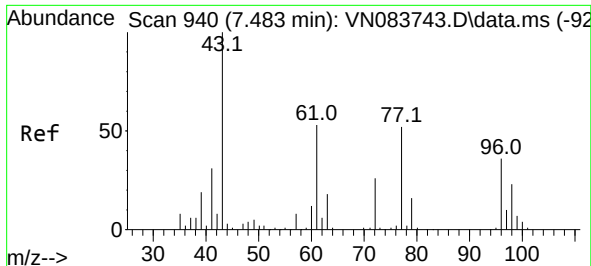
Tgt Ion: 73 Resp: 24299

Ion Ratio Lower Upper

73 100

57 19.5 17.0 25.6

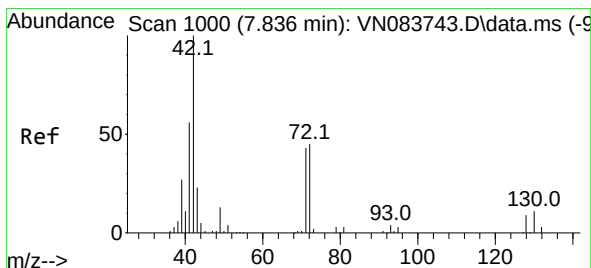
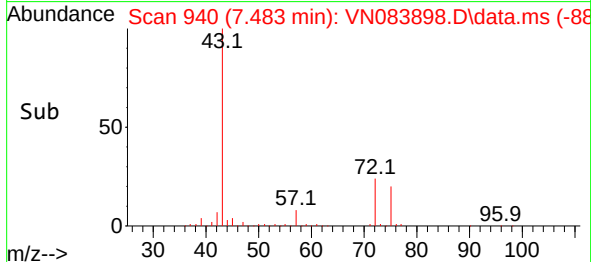
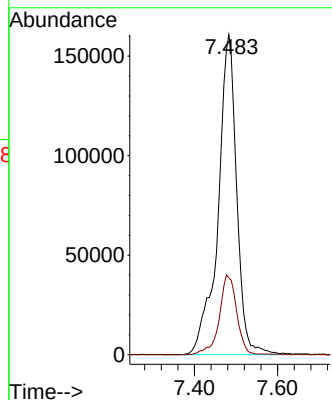
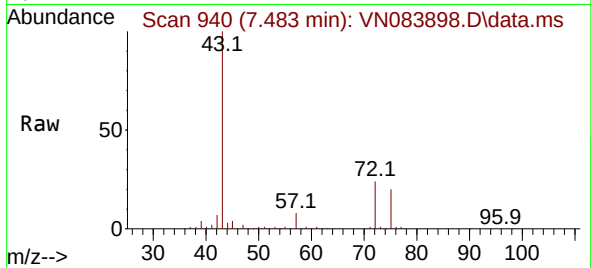




#25
2-Butanone
Concen: 365.302 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

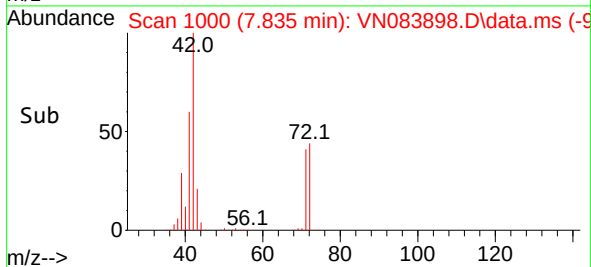
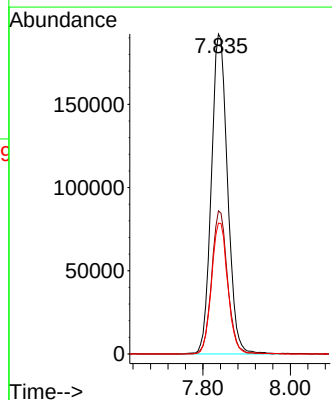
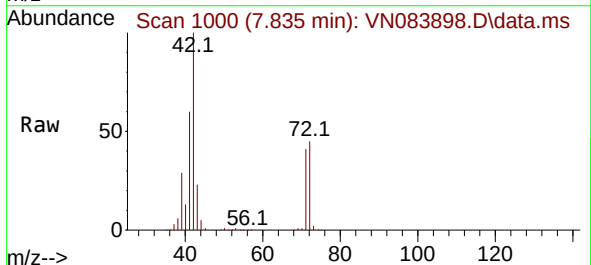
Instrument :
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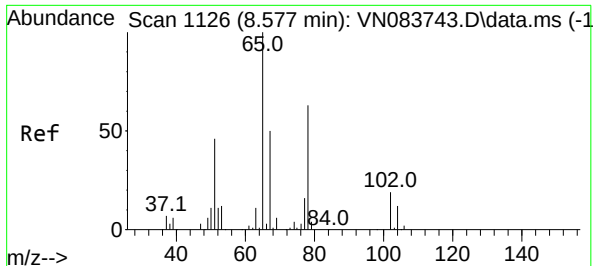
Tgt Ion: 43 Resp: 501579
Ion Ratio Lower Upper
43 100
72 24.0 20.8 31.2



#29
Tetrahydrofuran
Concen: 611.161 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

Tgt Ion: 42 Resp: 496187
Ion Ratio Lower Upper
42 100
72 43.8 35.9 53.9
71 41.0 33.9 50.9

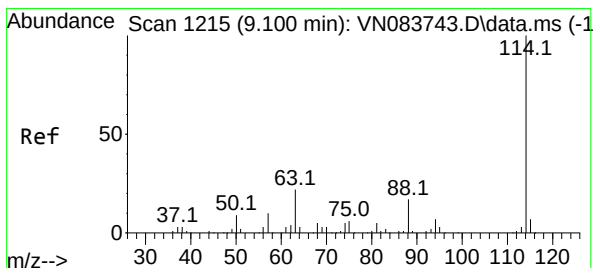
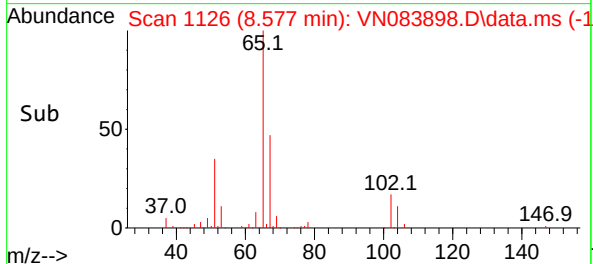
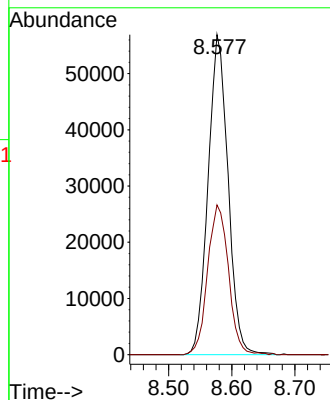
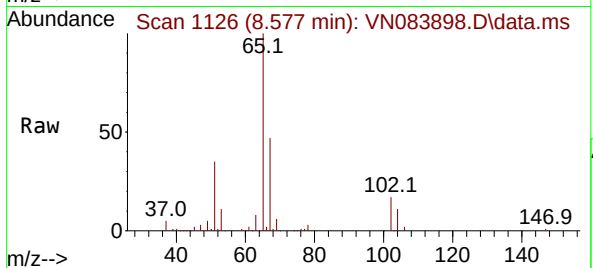




#33
 1,2-Dichloroethane-d4
 Concen: 47.988 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN083898.D
 Acq: 14 Sep 2024 18:20

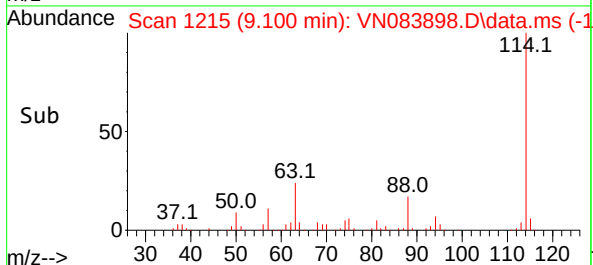
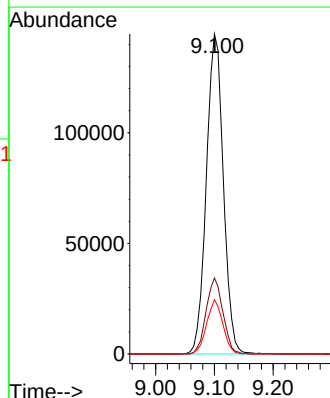
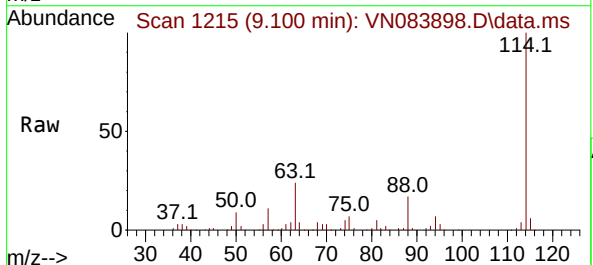
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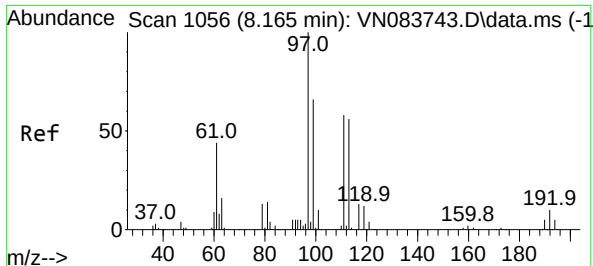
Tgt Ion: 65 Resp: 125056
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN083898.D
 Acq: 14 Sep 2024 18:20

Tgt Ion: 114 Resp: 291293
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 43.4
 88 17.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.224 ug/l

RT: 8.165 min Scan# 110

Delta R.T. -0.000 min

Lab File: VN083898.D

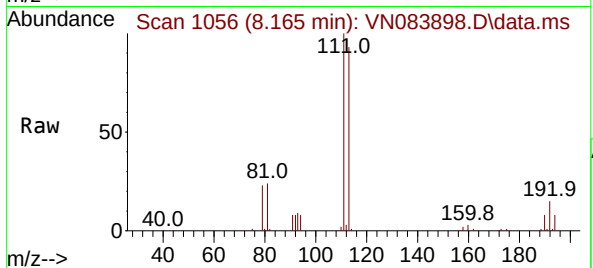
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Instrument :

MSVOA_N

ClientSampleId :

VOA-240911078-02



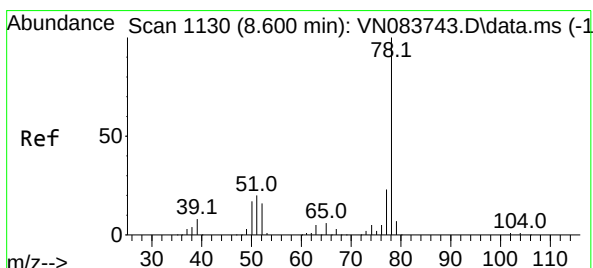
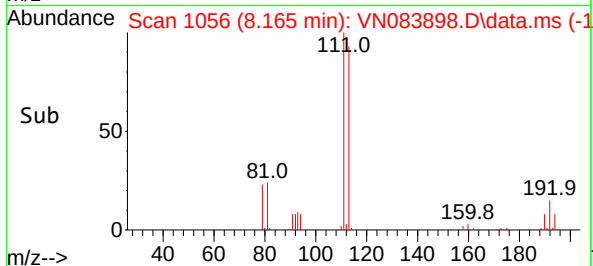
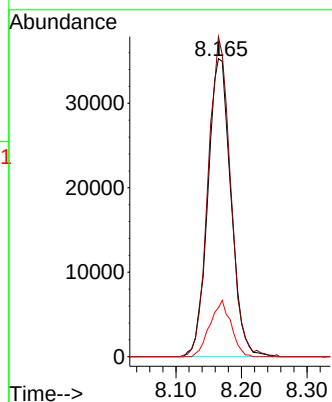
Tgt Ion:113 Resp: 86200

Ion Ratio Lower Upper

113 100

111 103.7 82.6 124.0

192 17.3 14.3 21.5



#40

Benzene

Concen: 3.992 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN083898.D

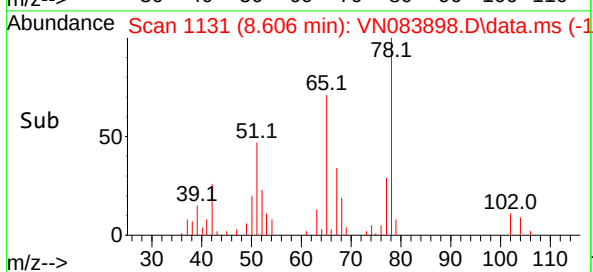
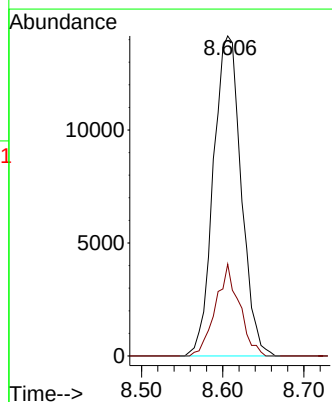
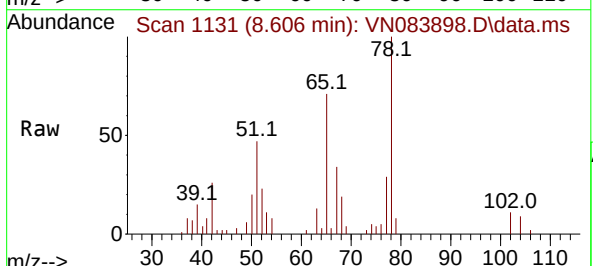
Acq: 14 Sep 2024 18:20

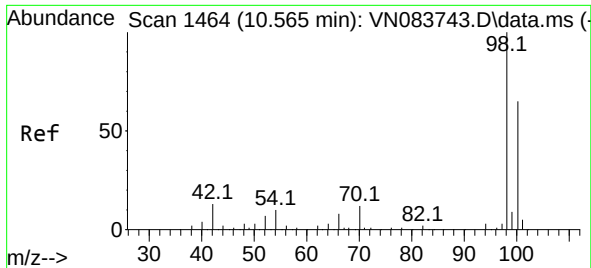
Tgt Ion: 78 Resp: 33729

Ion Ratio Lower Upper

78 100

77 28.7 19.0 28.6#

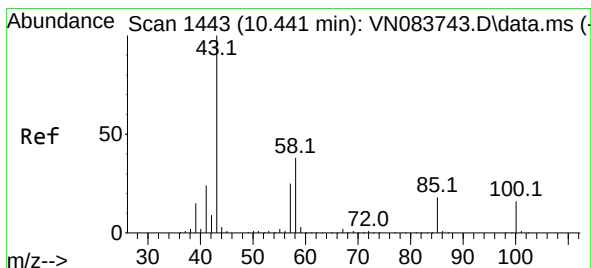
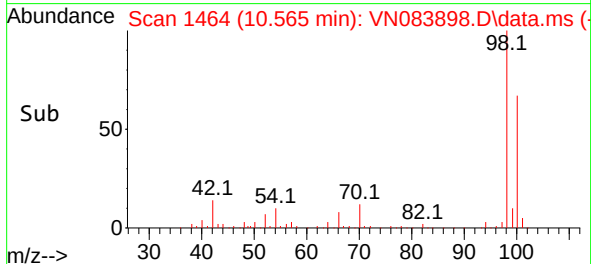
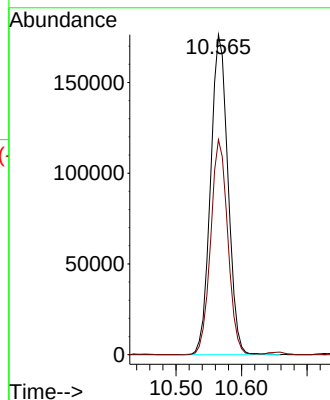
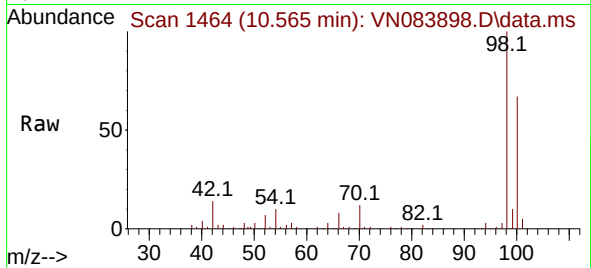




#50
Toluene-d8
Concen: 50.270 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

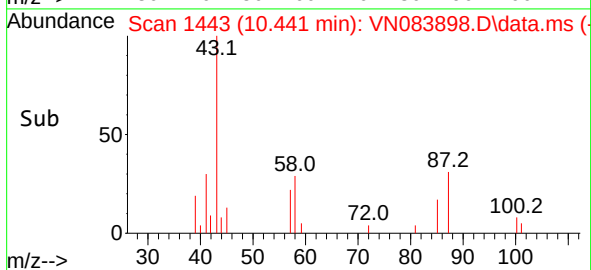
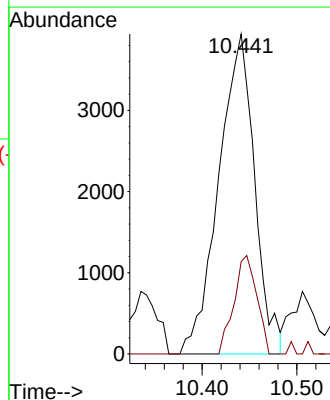
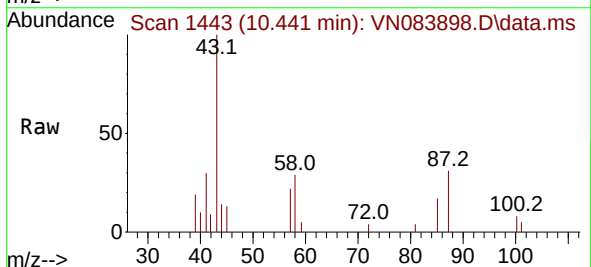
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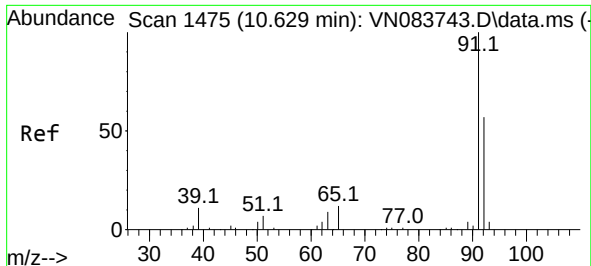
Tgt Ion: 98 Resp: 324079
Ion Ratio Lower Upper
98 100
100 66.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.124 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

Tgt Ion: 43 Resp: 10365
Ion Ratio Lower Upper
43 100
58 19.6 31.6 47.4#

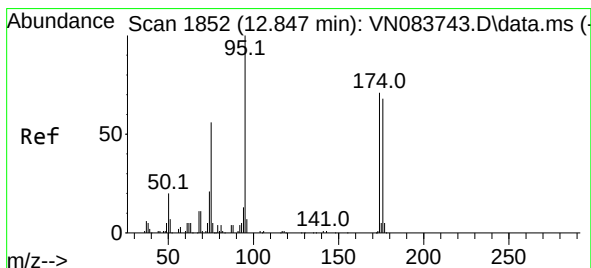
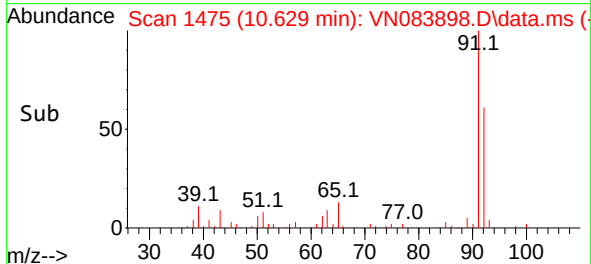
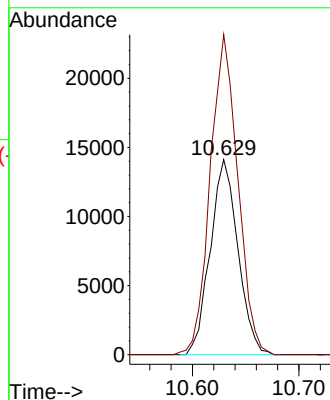
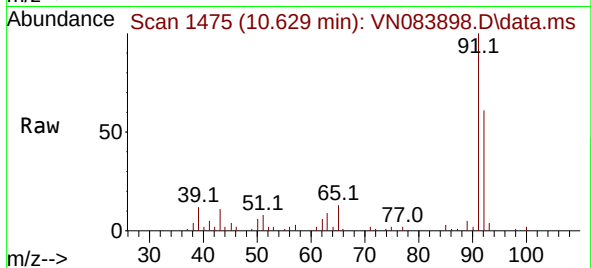




#52
Toluene
Concen: 4.931 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

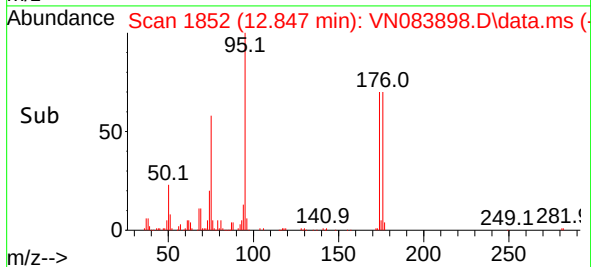
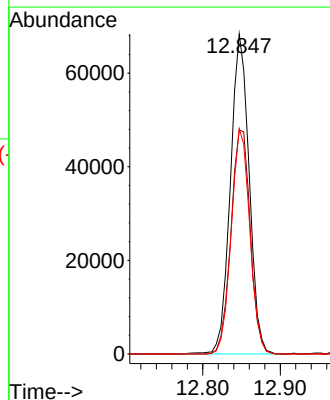
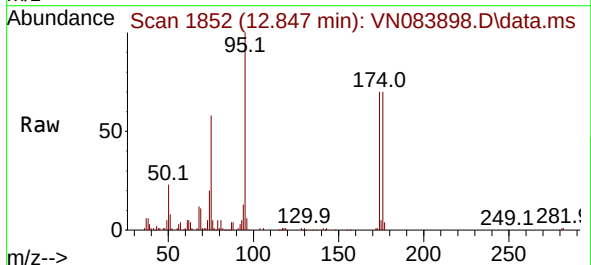
Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02

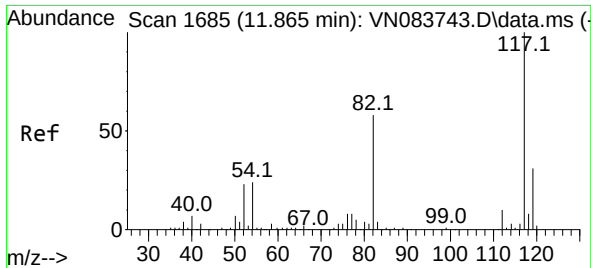
Tgt Ion: 92 Resp: 25479
Ion Ratio Lower Upper
92 100
91 163.3 134.7 202.1



#62
4-Bromofluorobenzene
Concen: 43.158 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

Tgt Ion: 95 Resp: 114792
Ion Ratio Lower Upper
95 100
174 72.4 0.0 139.8
176 69.5 0.0 131.4

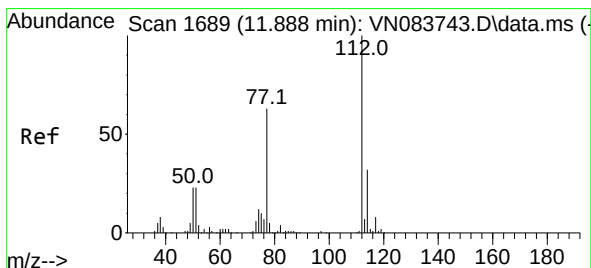
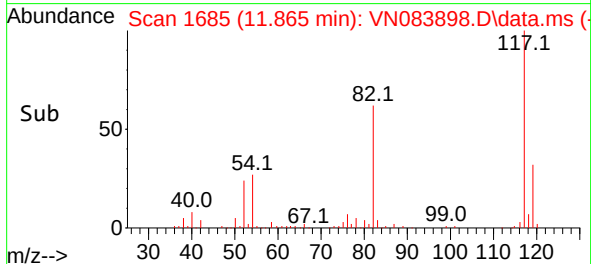
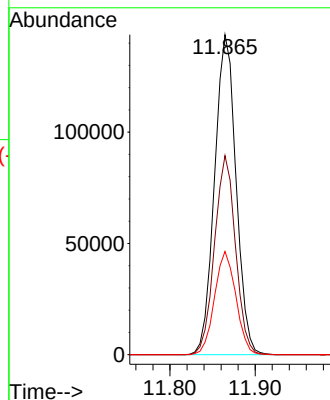
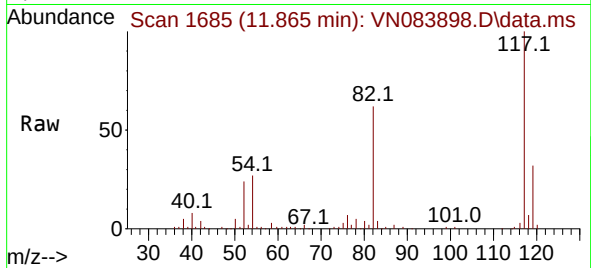




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

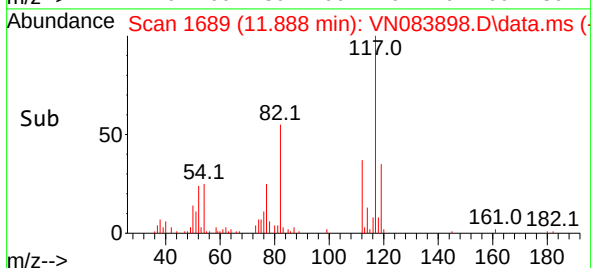
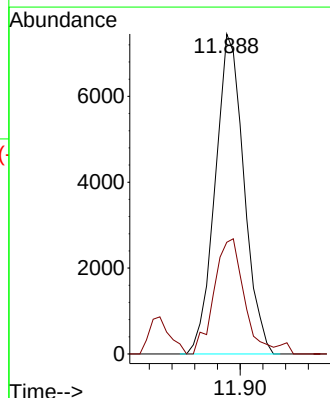
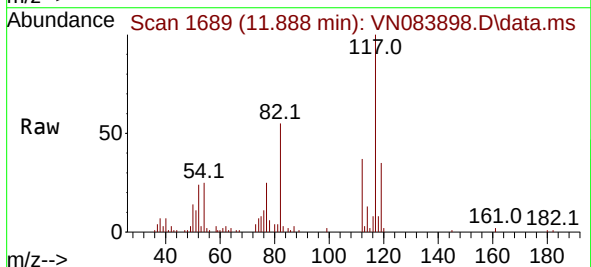
Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02

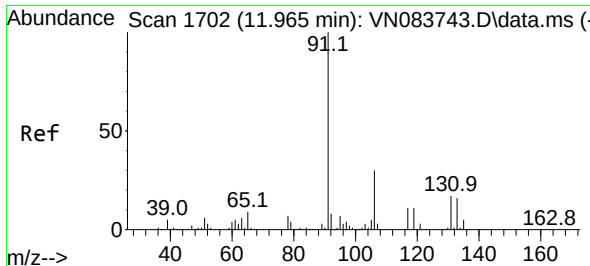
Tgt Ion:117 Resp: 251712
Ion Ratio Lower Upper
117 100
82 62.2 47.4 71.0
119 32.2 26.3 39.5



#65
Chlorobenzene
Concen: 2.341 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

Tgt Ion:112 Resp: 13097
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5

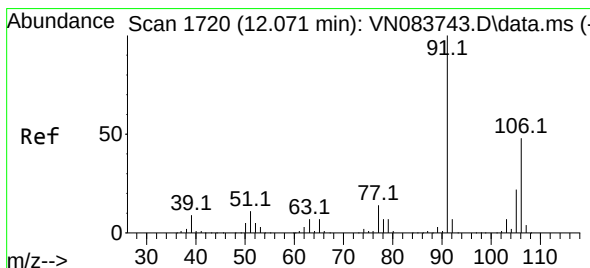
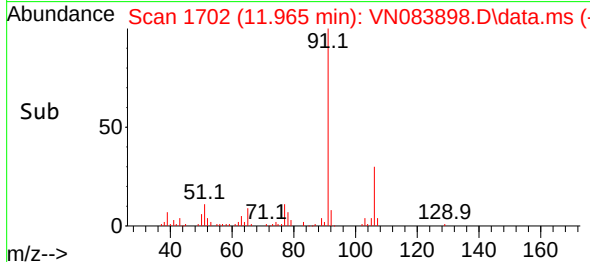
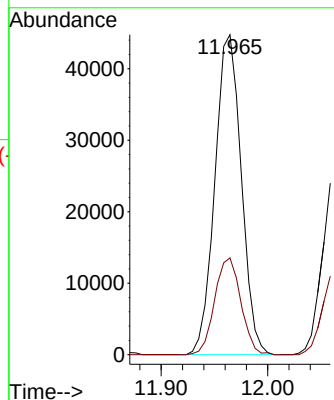
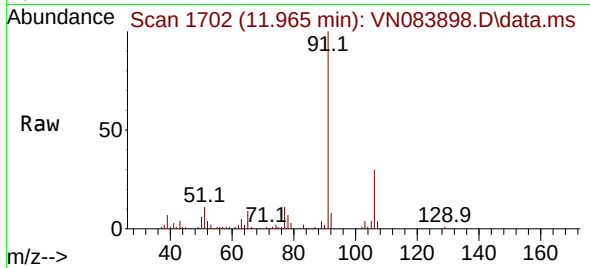




#67
Ethyl Benzene
Concen: 7.747 ug/l
RT: 11.965 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

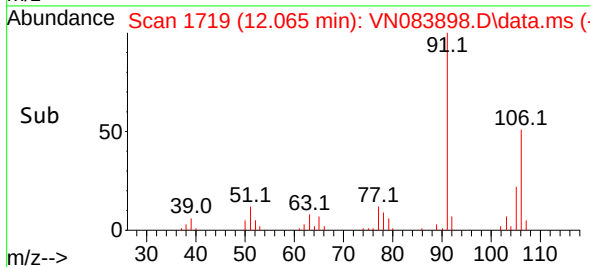
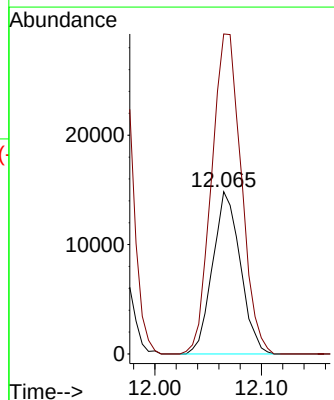
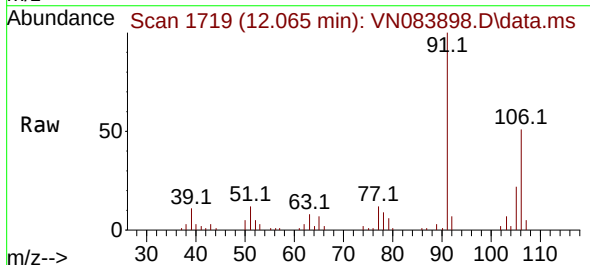
Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02

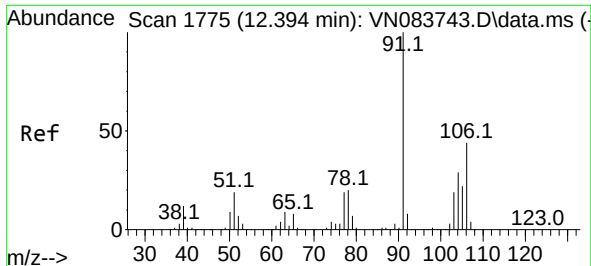
Tgt Ion: 91 Resp: 76992
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5



#68
m/p-Xylenes
Concen: 7.257 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

Tgt Ion: 106 Resp: 26775
Ion Ratio Lower Upper
106 100
91 211.5 169.2 253.8

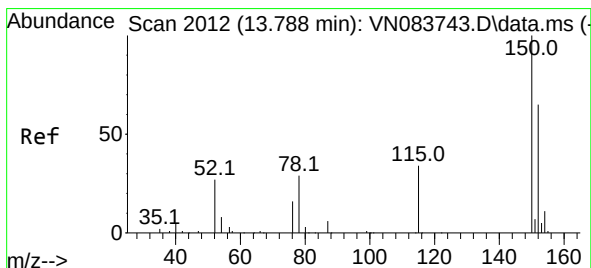
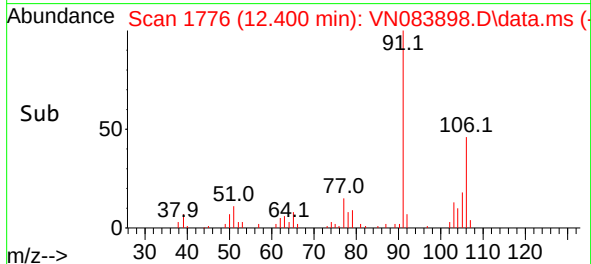
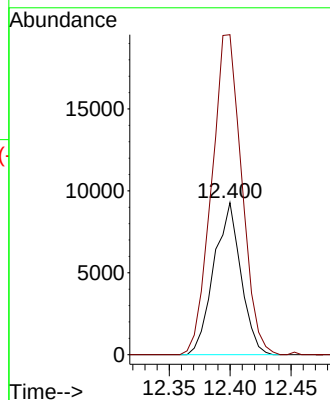
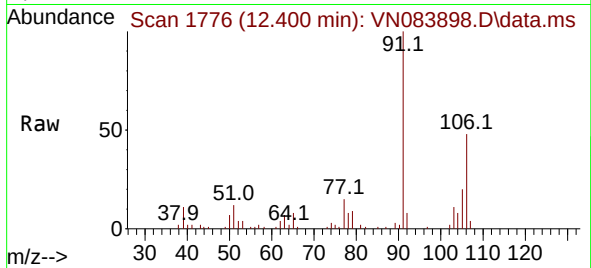




#69
o-Xylene
Concen: 4.006 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

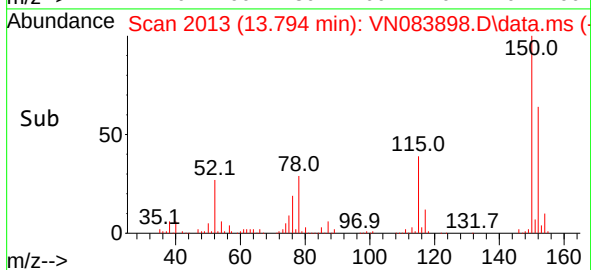
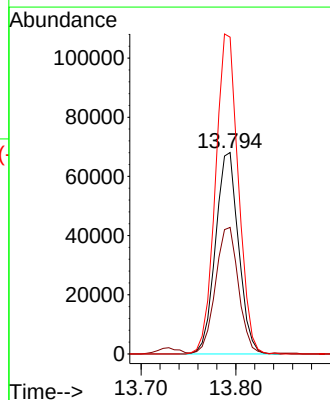
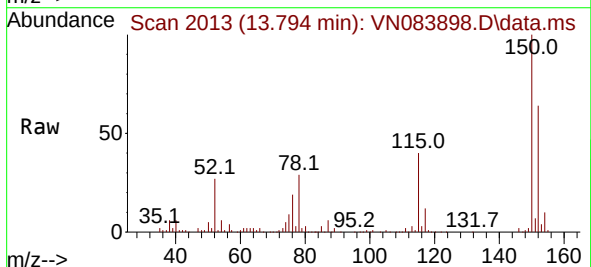
Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02

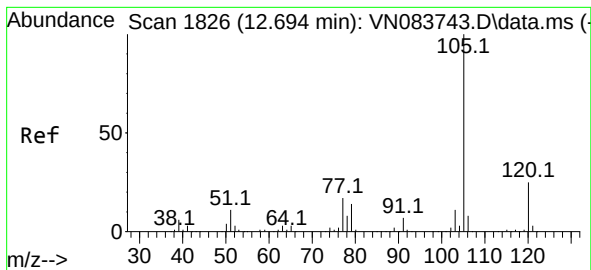
Tgt Ion:106 Resp: 14310
Ion Ratio Lower Upper
106 100
91 234.5 112.9 338.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

Tgt Ion:152 Resp: 114883
Ion Ratio Lower Upper
152 100
115 62.6 32.2 96.6
150 157.6 0.0 348.6





#73

Isopropylbenzene

Concen: 1.071 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN083898.D

Acq: 14 Sep 2024 18:20

Instrument :

MSVOA_N

ClientSampleId :

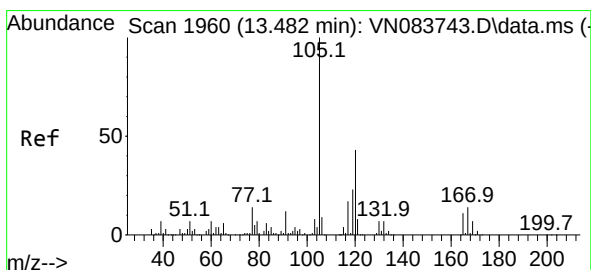
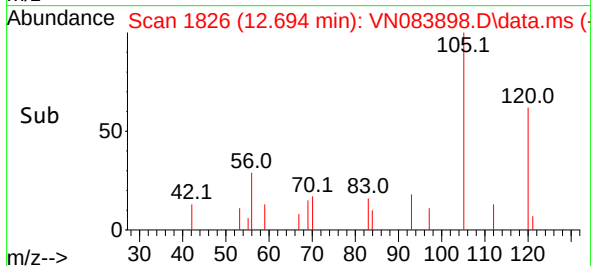
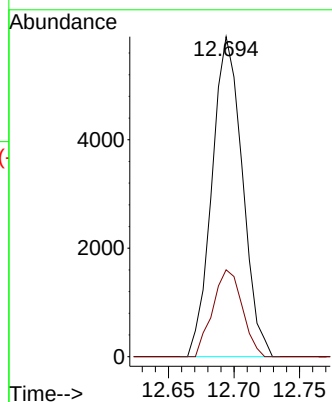
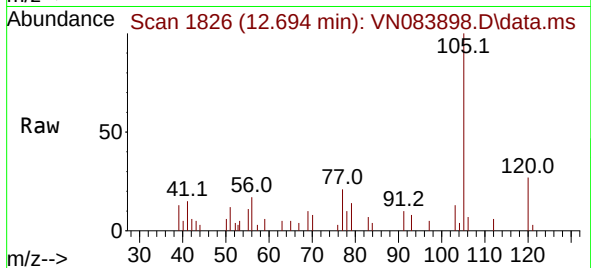
VOA-240911078-02

Tgt Ion:105 Resp: 9516

Ion Ratio Lower Upper

105 100

120 26.3 12.6 37.8



#84

1,2,4-Trimethylbenzene

Concen: 2.489 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN083898.D

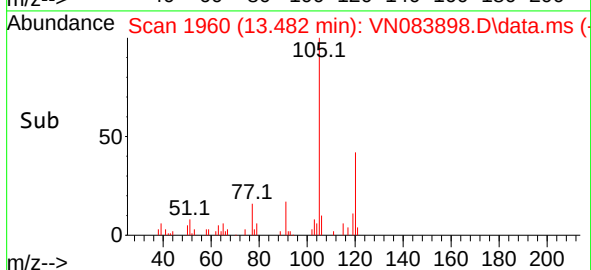
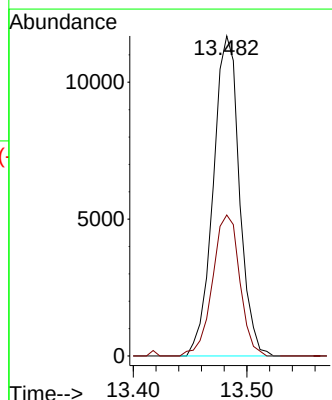
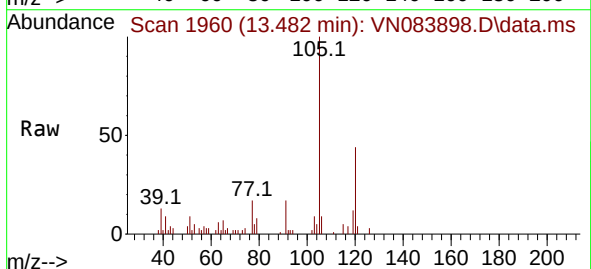
Acq: 14 Sep 2024 18:20

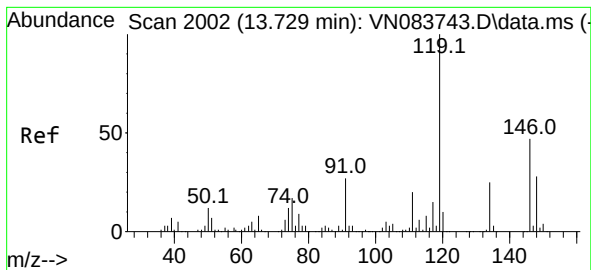
Tgt Ion:105 Resp: 18733

Ion Ratio Lower Upper

105 100

120 45.7 21.8 65.4





#86

p-Isopropyltoluene

Concen: 5.380 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN083898.D

Acq: 14 Sep 2024 18:20

Instrument :

MSVOA_N

ClientSampleId :

VOA-240911078-02

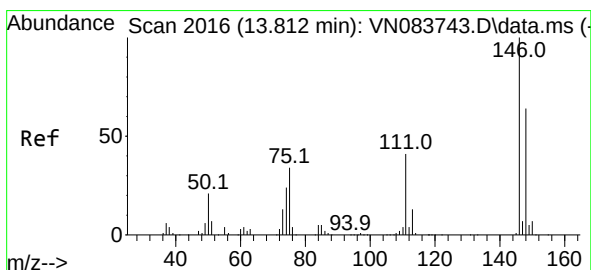
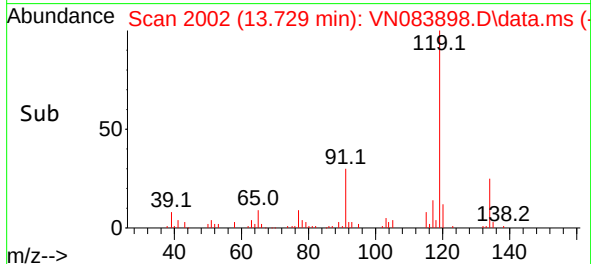
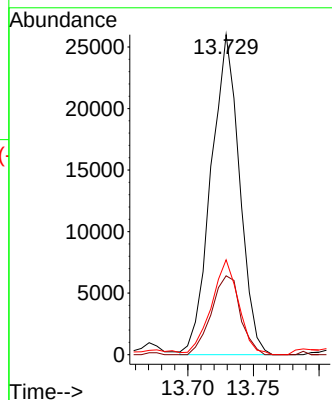
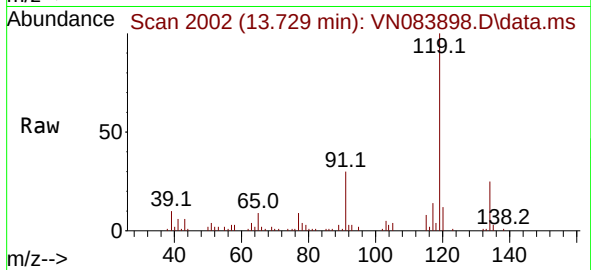
Tgt Ion:119 Resp: 39210

Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.3

91 28.5 12.9 38.7



#88

1,4-Dichlorobenzene

Concen: 2.471 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN083898.D

Acq: 14 Sep 2024 18:20

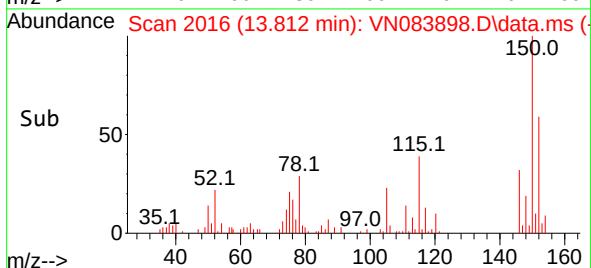
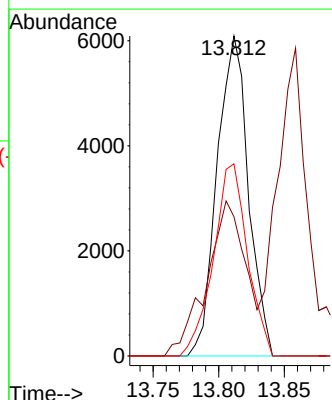
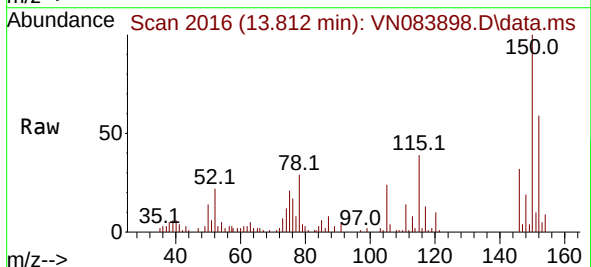
Tgt Ion:146 Resp: 10101

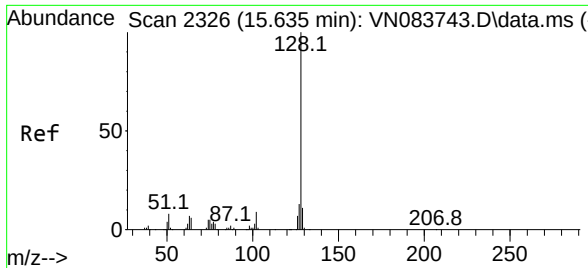
Ion Ratio Lower Upper

146 100

111 60.5 21.3 64.0

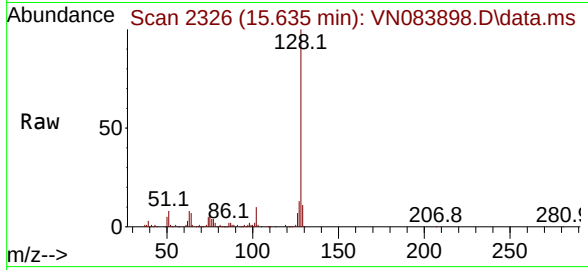
148 65.3 32.0 96.2





#95
Naphthalene
Concen: 23.104 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN083898.D
Acq: 14 Sep 2024 18:20

Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02



Tgt Ion:	128	Resp:	146982
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.6	8.7	13.1

