

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091124\
 Data File : VN083816.D
 Acq On : 11 Sep 2024 23:33
 Operator : JC\MD
 Sample : P3913-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 82924-A-C

Quant Time: Sep 12 02:18:49 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)

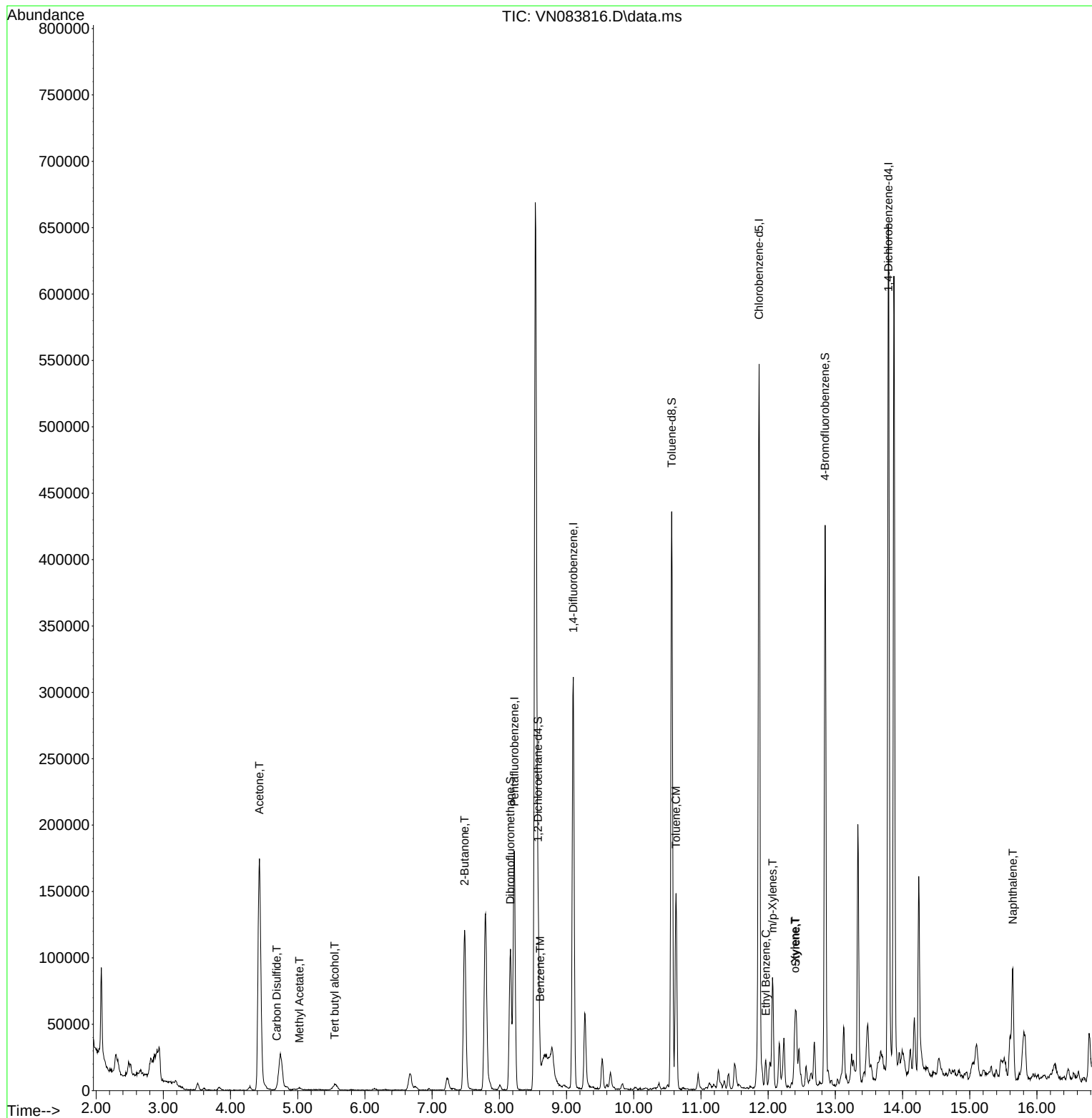
Internal Standards						
1) Pentafluorobenzene	8.224	168	120867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	252984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	160499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	97938	53.738	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.480%			
35) Dibromofluoromethane	8.165	113	75183	46.422	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.840%			
50) Toluene-d8	10.565	98	281846	50.339	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.847	95	145162	62.841	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 125.680%#			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.548	59	7340	30.076	ug/l #	83
16) Acetone	4.430	43	337610	462.101	ug/l	96
17) Carbon Disulfide	4.689	76	4735	1.295	ug/l	97
18) Methyl Acetate	5.024	43	4518	1.155	ug/l #	65
25) 2-Butanone	7.483	43	200447	208.744	ug/l	98
40) Benzene	8.606	78	7907	1.078	ug/l	94
52) Toluene	10.630	92	63276	14.099	ug/l	96
67) Ethyl Benzene	11.965	91	15874	1.381	ug/l	95
68) m/p-Xylenes	12.065	106	24546	5.753	ug/l	96
69) o-Xylene	12.400	106	9538	2.309	ug/l	93
70) Styrene	12.412	104	8233	1.215	ug/l #	77
95) Naphthalene	15.641	128	70942	7.982	ug/l	97

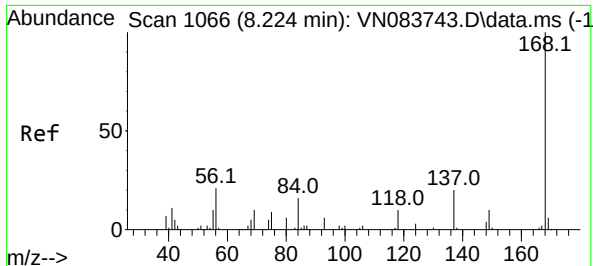
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

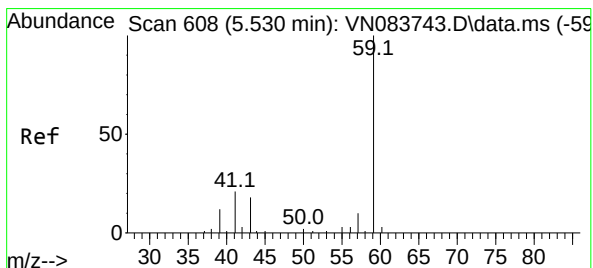
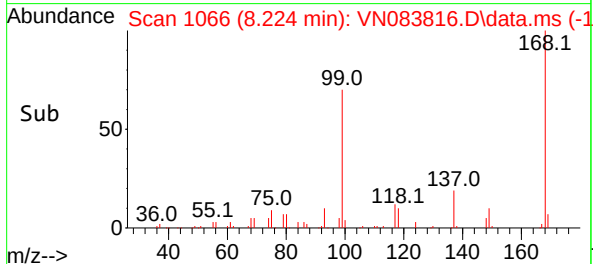
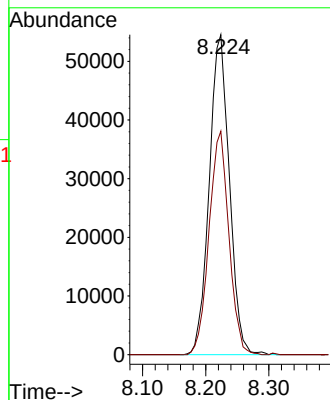
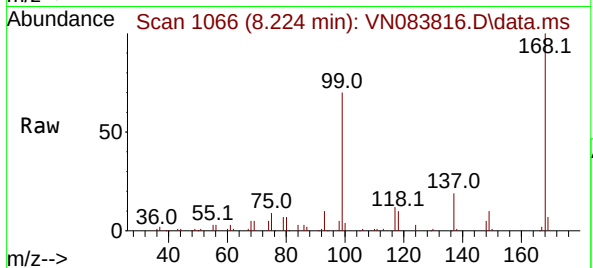




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083816.D
Acq: 11 Sep 2024 23:33

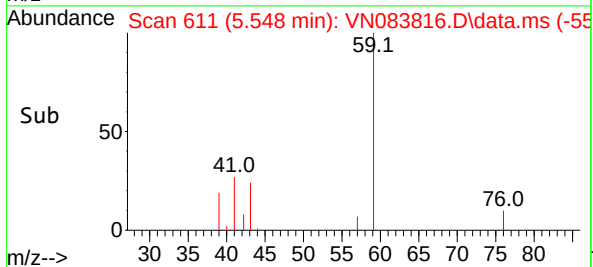
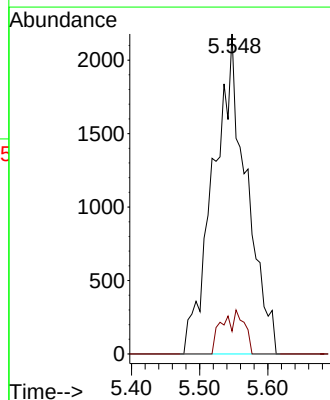
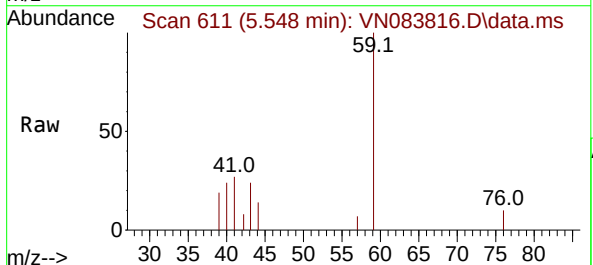
Instrument :
MSVOA_N
ClientSampleId :
82924-A-C

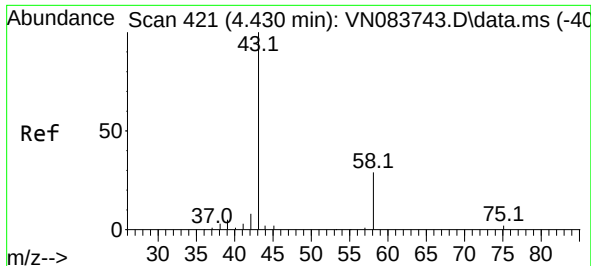
Tgt Ion:168 Resp: 120867
Ion Ratio Lower Upper
168 100
99 69.8 54.2 81.2



#11
Tert butyl alcohol
Concen: 30.076 ug/l
RT: 5.548 min Scan# 611
Delta R.T. 0.018 min
Lab File: VN083816.D
Acq: 11 Sep 2024 23:33

Tgt Ion: 59 Resp: 7340
Ion Ratio Lower Upper
59 100
57 4.4 8.7 13.1#





#16

Acetone

Concen: 462.101 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN083816.D

Acq: 11 Sep 2024 23:33

Instrument :

MSVOA_N

ClientSampleId :

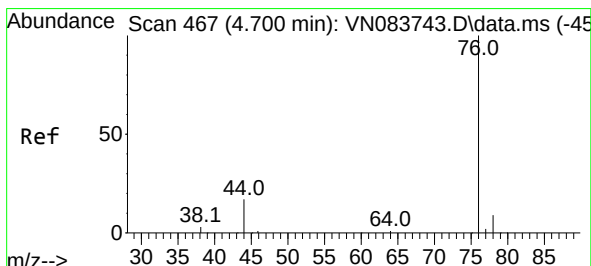
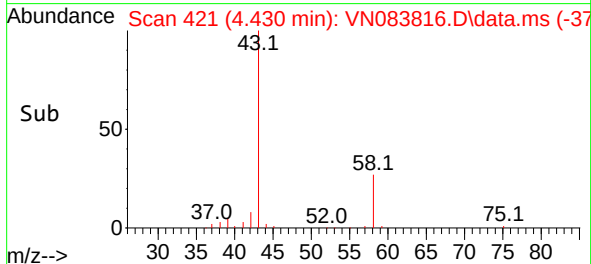
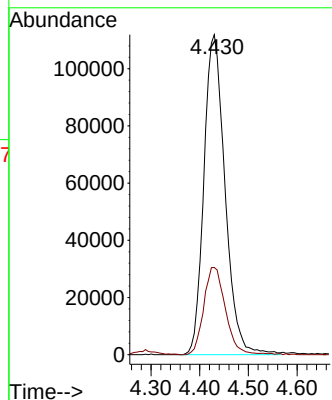
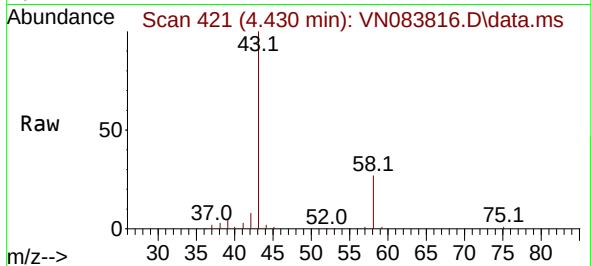
82924-A-C

Tgt Ion: 43 Resp: 337610

Ion Ratio Lower Upper

43 100

58 27.2 23.7 35.5



#17

Carbon Disulfide

Concen: 1.295 ug/l

RT: 4.689 min Scan# 465

Delta R.T. -0.012 min

Lab File: VN083816.D

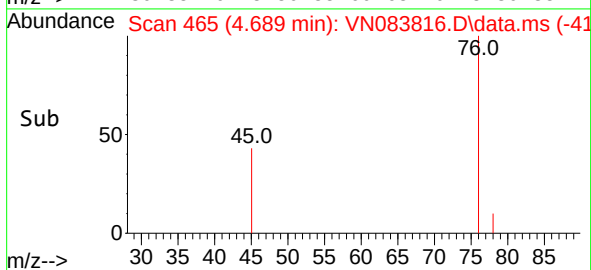
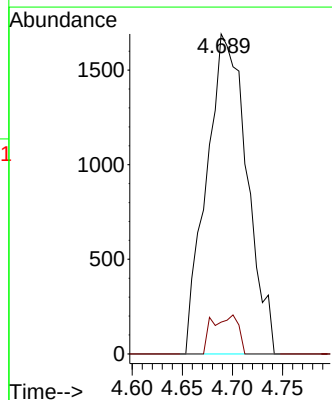
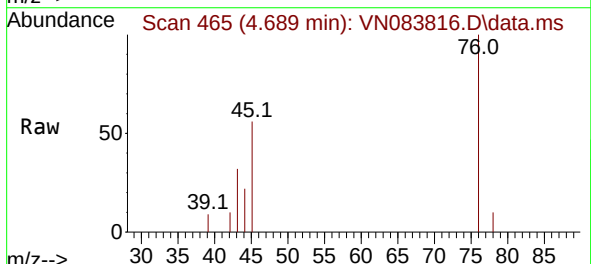
Acq: 11 Sep 2024 23:33

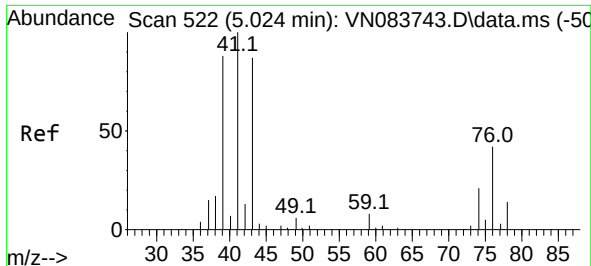
Tgt Ion: 76 Resp: 4735

Ion Ratio Lower Upper

76 100

78 9.9 7.1 10.7

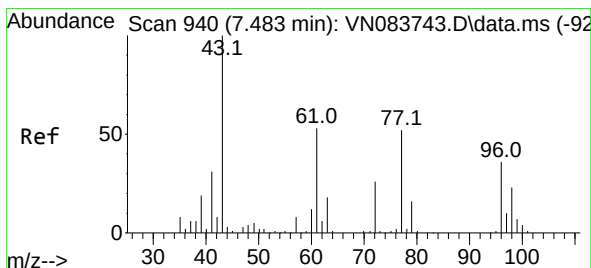
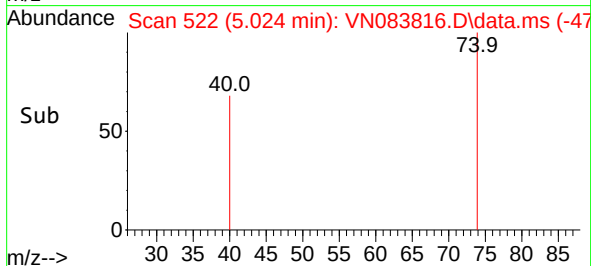
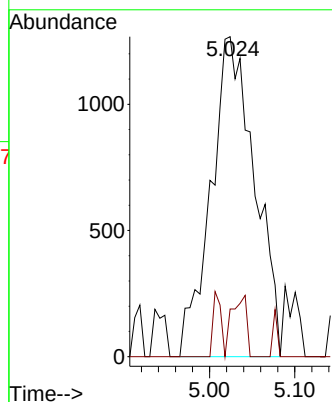
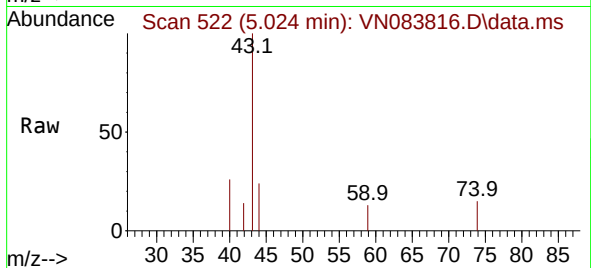




#18
Methyl Acetate
Concen: 1.155 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN083816.D
Acq: 11 Sep 2024 23:33

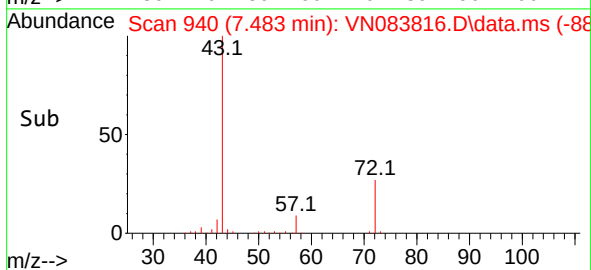
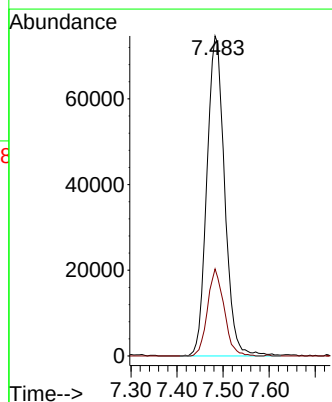
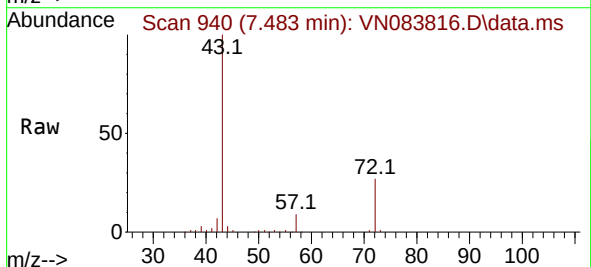
Instrument :
MSVOA_N
ClientSampleId :
82924-A-C

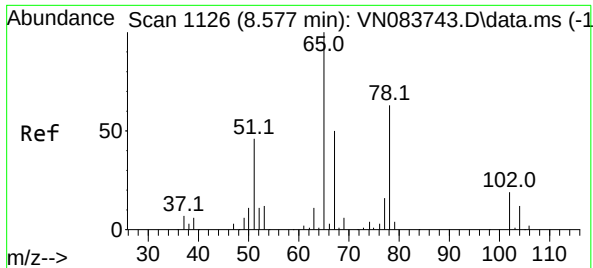
Tgt Ion: 43 Resp: 4518
Ion Ratio Lower Upper
43 100
74 6.5 19.0 28.4#



#25
2-Butanone
Concen: 208.744 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083816.D
Acq: 11 Sep 2024 23:33

Tgt Ion: 43 Resp: 200447
Ion Ratio Lower Upper
43 100
72 27.2 20.8 31.2





#33

1,2-Dichloroethane-d4

Concen: 53.738 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083816.D

Acq: 11 Sep 2024 23:33

Instrument :

MSVOA_N

ClientSampleId :

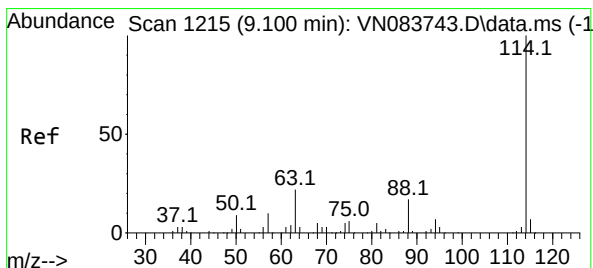
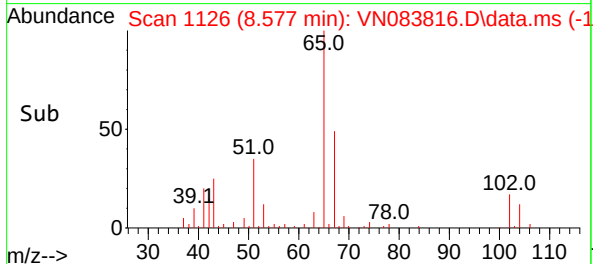
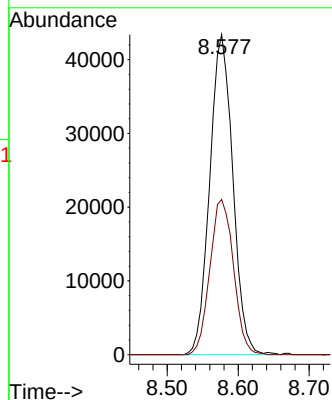
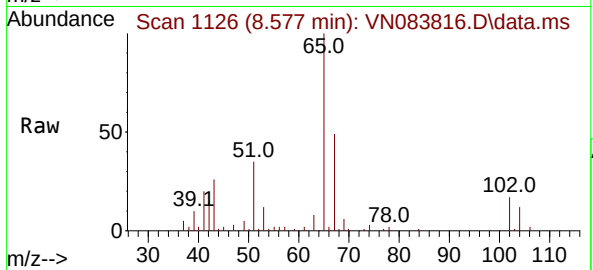
82924-A-C

Tgt Ion: 65 Resp: 97938

Ion Ratio Lower Upper

65 100

67 49.6 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: VN083816.D

Acq: 11 Sep 2024 23:33

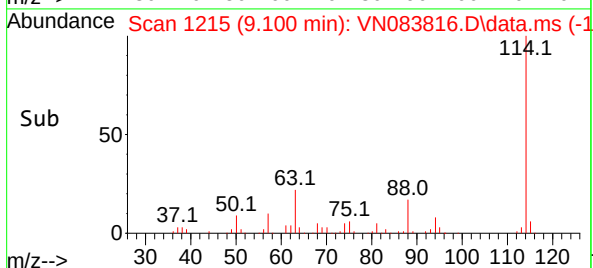
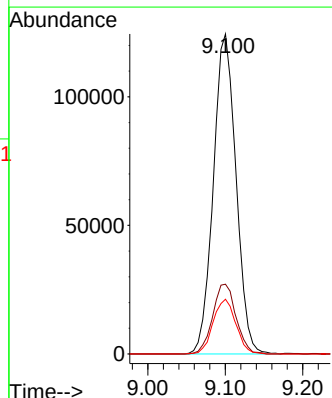
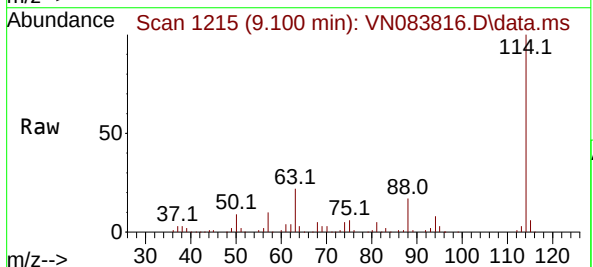
Tgt Ion: 114 Resp: 252984

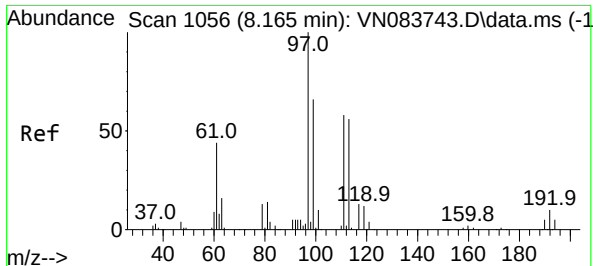
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.4

88 17.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.422 ug/l

RT: 8.165 min Scan# 110

Delta R.T. 0.000 min

Lab File: VN083816.D

Acq: 11 Sep 2024 23:33

Instrument :

MSVOA_N

ClientSampleId :

82924-A-C

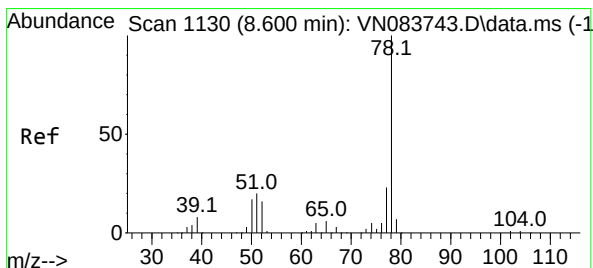
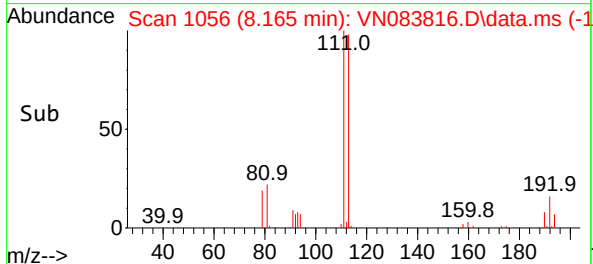
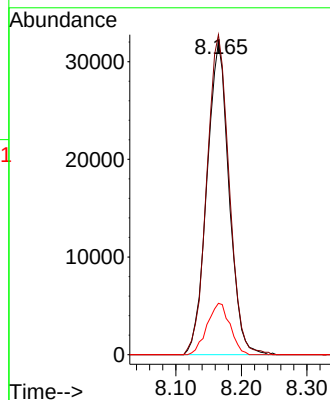
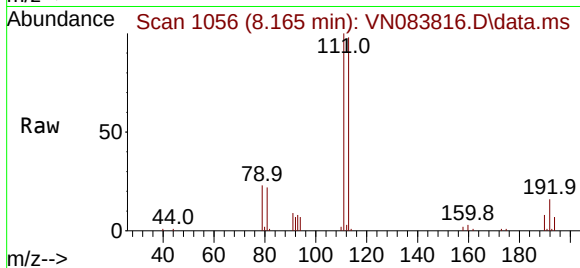
Tgt Ion:113 Resp: 75183

Ion Ratio Lower Upper

113 100

111 103.5 82.6 124.0

192 16.9 14.3 21.5



#40

Benzene

Concen: 1.078 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN083816.D

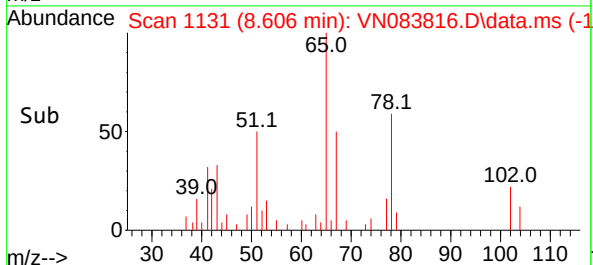
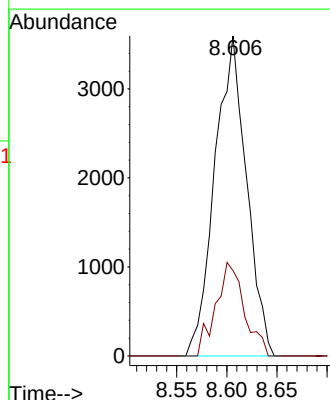
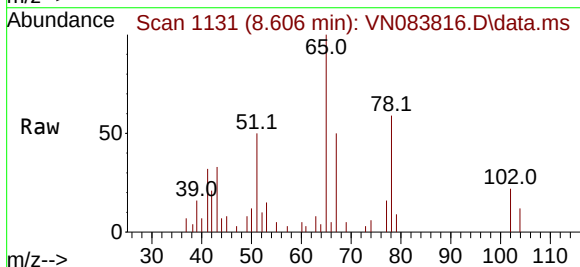
Acq: 11 Sep 2024 23:33

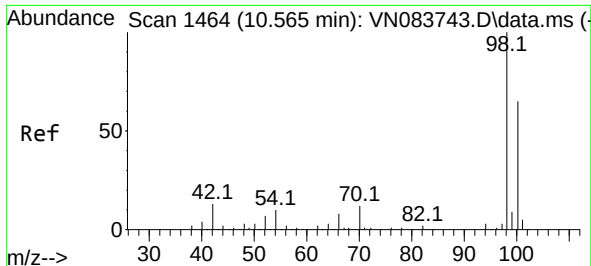
Tgt Ion: 78 Resp: 7907

Ion Ratio Lower Upper

78 100

77 26.7 19.0 28.6

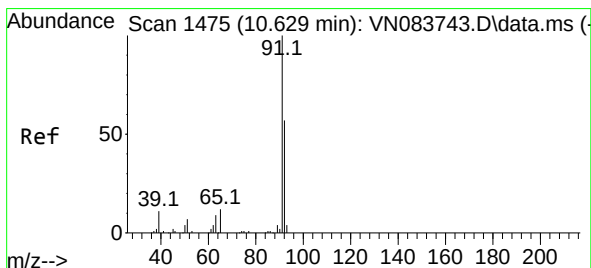
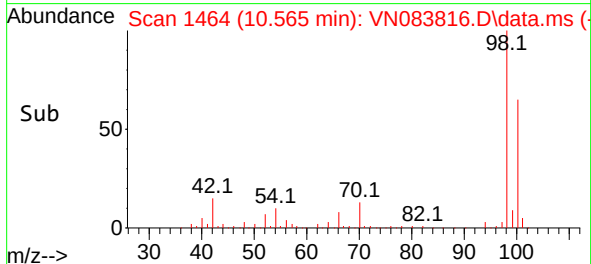
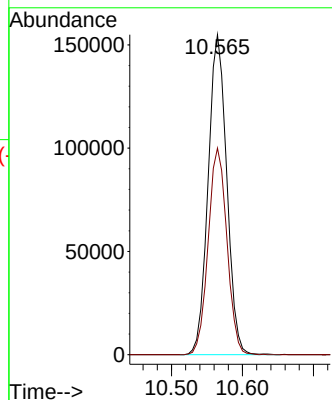
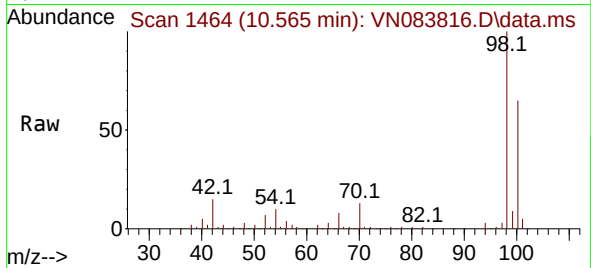




#50
Toluene-d8
Concen: 50.339 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083816.D
Acq: 11 Sep 2024 23:33

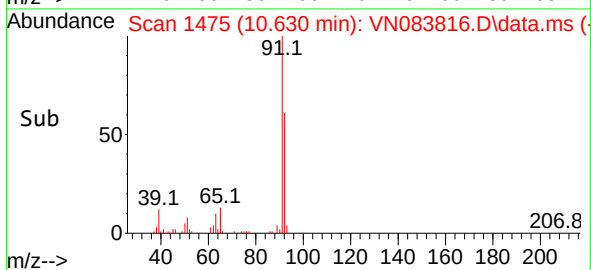
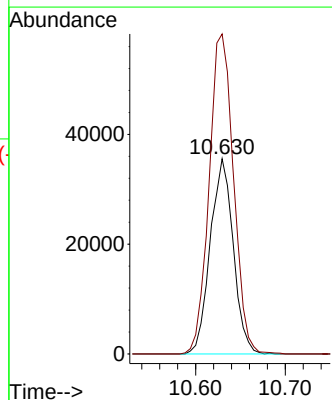
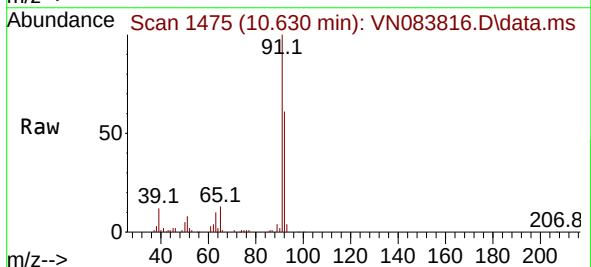
Instrument :
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82924-A-C

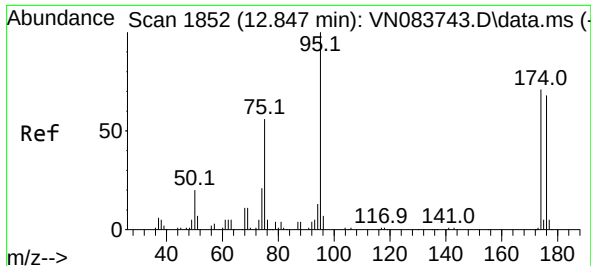
Tgt Ion: 98 Resp: 281846
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#52
Toluene
Concen: 14.099 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083816.D
Acq: 11 Sep 2024 23:33

Tgt Ion: 92 Resp: 63276
Ion Ratio Lower Upper
92 100
91 174.0 134.7 202.1

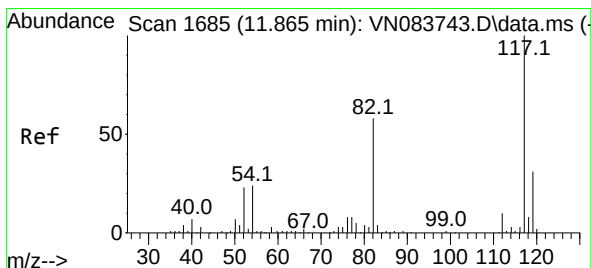
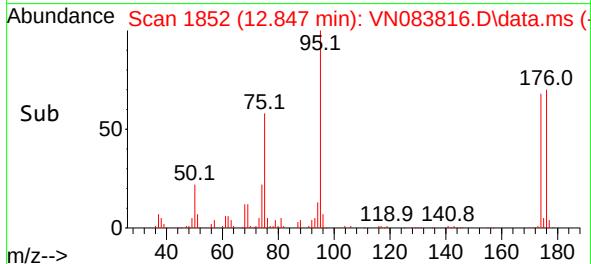
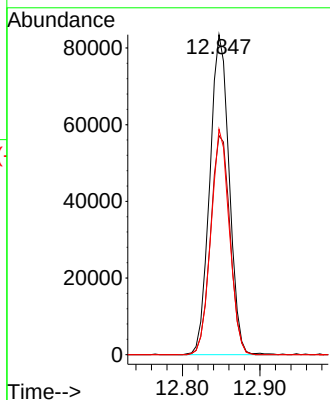
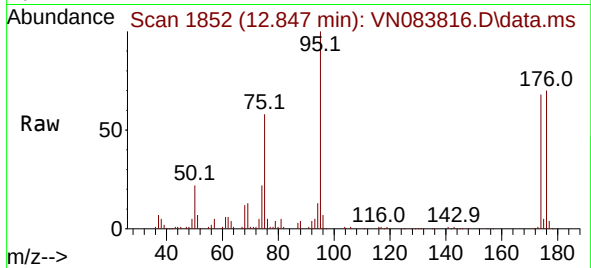




#62
4-Bromofluorobenzene
Concen: 62.841 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083816.D
Acq: 11 Sep 2024 23:33

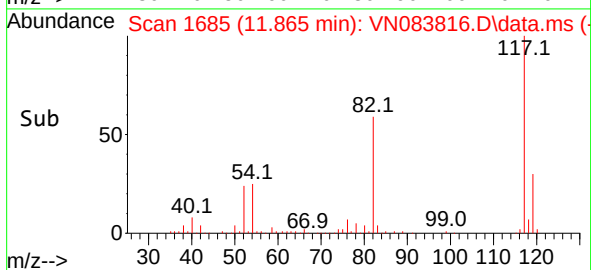
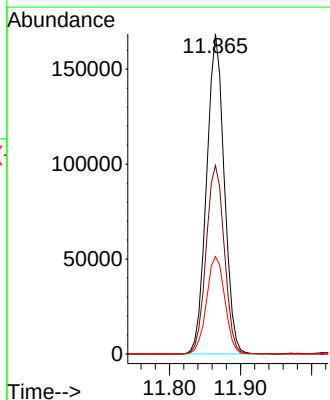
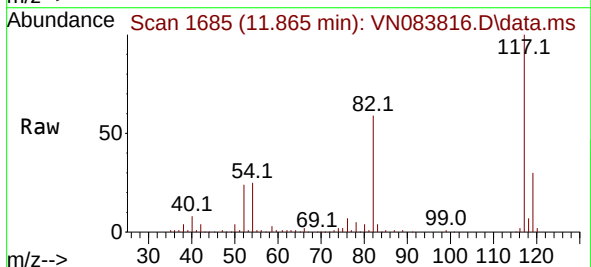
Instrument :
MSVOA_N
ClientSampleId :
82924-A-C

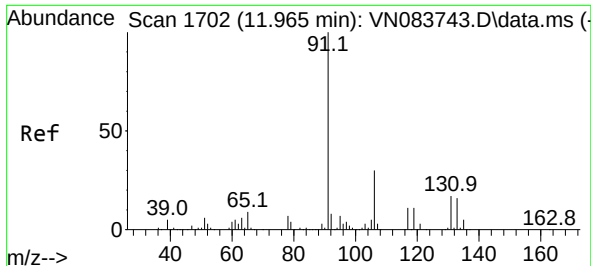
Tgt Ion: 95 Resp: 145162
Ion Ratio Lower Upper
95 100
174 68.7 0.0 139.8
176 67.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083816.D
Acq: 11 Sep 2024 23:33

Tgt Ion: 117 Resp: 291085
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.0
119 30.5 26.3 39.5

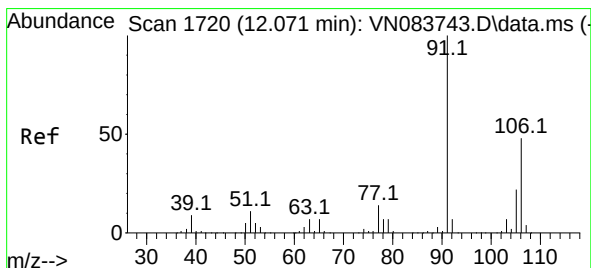
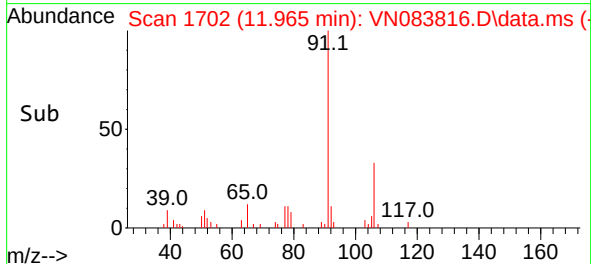
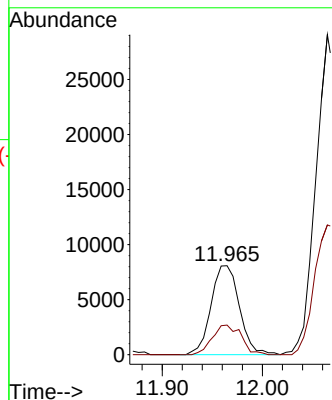
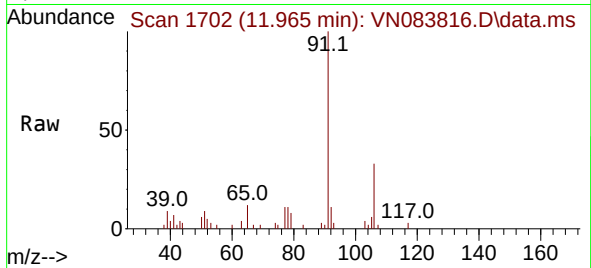




#67
Ethyl Benzene
Concen: 1.381 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN083816.D
Acq: 11 Sep 2024 23:33

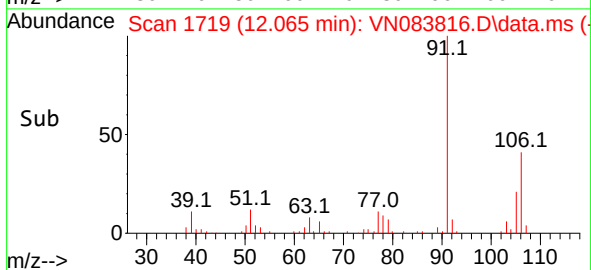
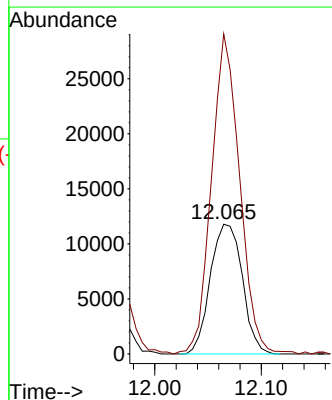
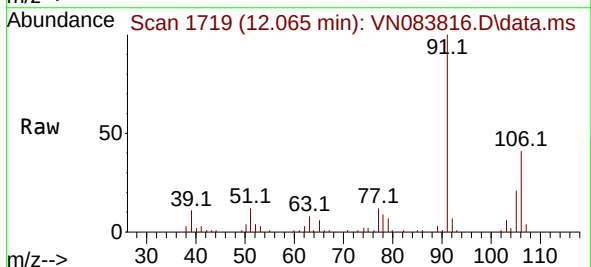
Instrument :
MSVOA_N
ClientSampleId :
82924-A-C

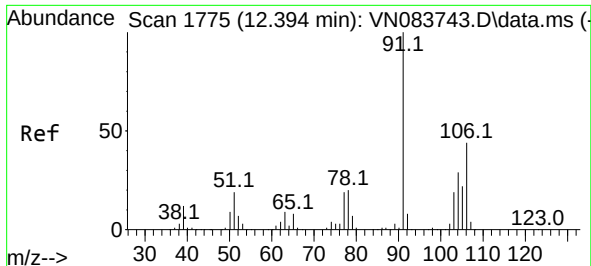
Tgt Ion: 91 Resp: 15874
Ion Ratio Lower Upper
91 100
106 33.2 24.3 36.5



#68
m/p-Xylenes
Concen: 5.753 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN083816.D
Acq: 11 Sep 2024 23:33

Tgt Ion: 106 Resp: 24546
Ion Ratio Lower Upper
106 100
91 217.2 169.2 253.8

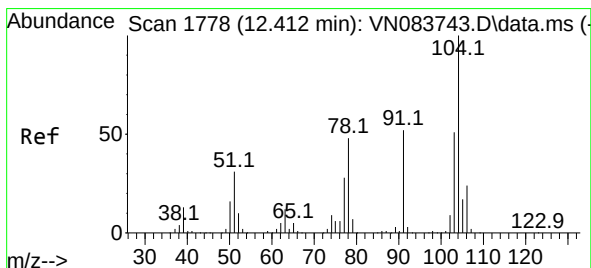
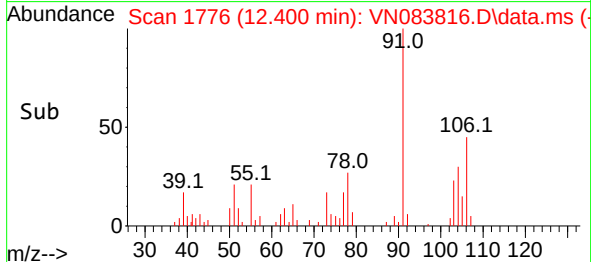
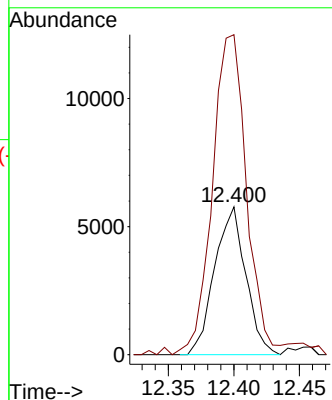
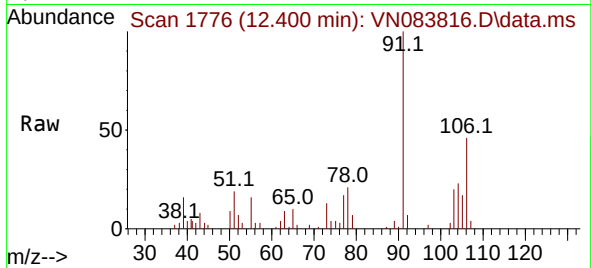




#69
o-Xylene
Concen: 2.309 ug/l
RT: 12.400 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VN083816.D
Acq: 11 Sep 2024 23:33

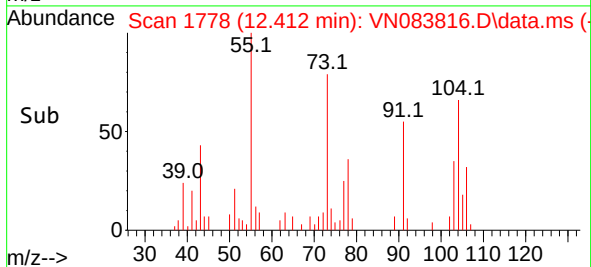
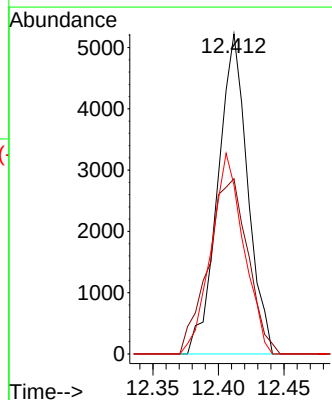
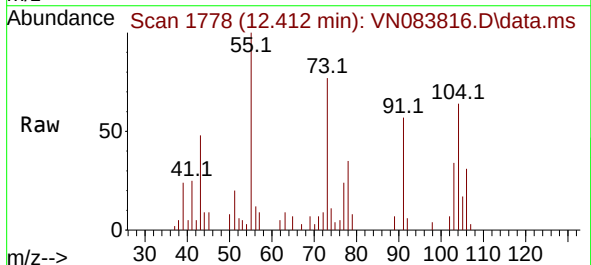
Instrument :
MSVOA_N
ClientSampleId :
82924-A-C

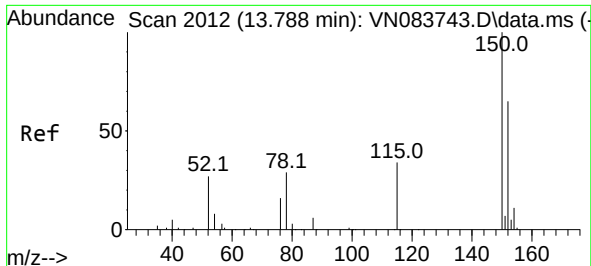
Tgt Ion:106 Resp: 9538
Ion Ratio Lower Upper
106 100
91 237.9 112.9 338.6



#70
Styrene
Concen: 1.215 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN083816.D
Acq: 11 Sep 2024 23:33

Tgt Ion:104 Resp: 8233
Ion Ratio Lower Upper
104 100
78 72.9 43.3 64.9#
103 68.5 43.4 65.2#

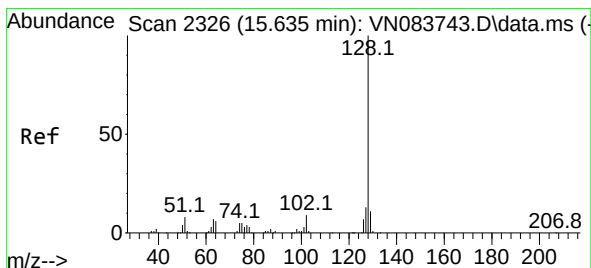
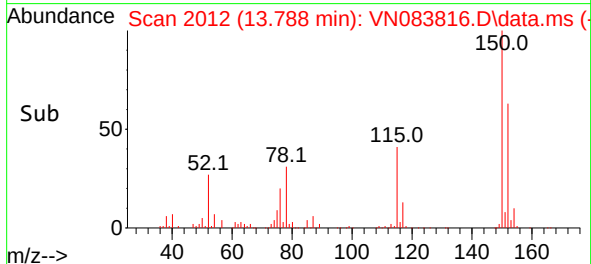
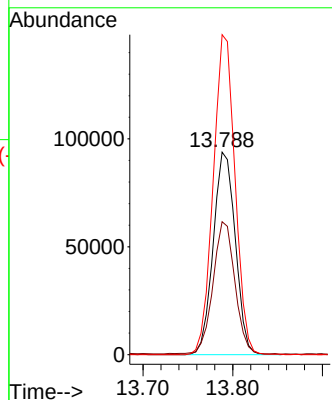
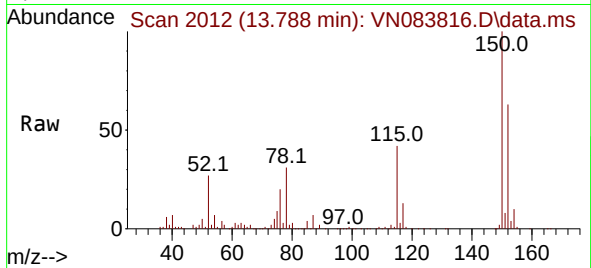




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN083816.D
Acq: 11 Sep 2024 23:33

Instrument :
MSVOA_N
ClientSampleId :
82924-A-C

Tgt Ion:152 Resp: 160499
Ion Ratio Lower Upper
152 100
115 64.9 32.2 96.6
150 155.8 0.0 348.6



#95
Naphthalene
Concen: 7.982 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN083816.D
Acq: 11 Sep 2024 23:33

Tgt Ion:128 Resp: 70942
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.2
129 11.7 8.7 13.1

