

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090324\
 Data File : VN083619.D
 Acq On : 03 Sep 2024 12:45
 Operator : JC\MD
 Sample : P3787-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-1

Quant Time: Sep 03 13:05:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

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

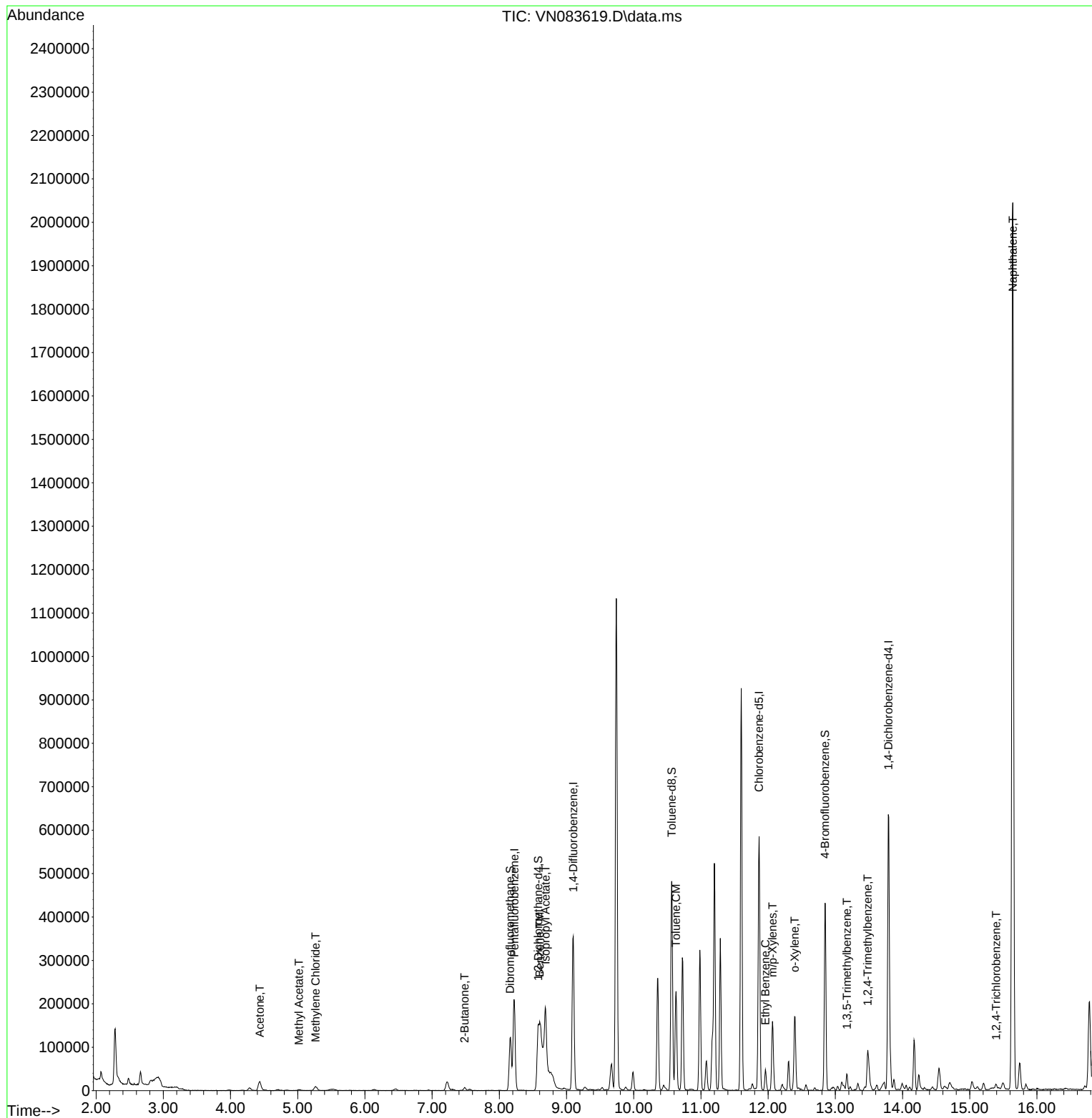
Internal Standards						
1) Pentafluorobenzene	8.224	168	145628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	301002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	321506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	162576	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107946	53.037	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.080%	
35) Dibromofluoromethane	8.159	113	87356	48.219	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.440%	
50) Toluene-d8	10.565	98	325962	46.239	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.480%	
62) 4-Bromofluorobenzene	12.847	95	147919	56.599	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 113.200%	
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	33643	41.451	ug/l	97
18) Methyl Acetate	5.018	43	4280	1.983	ug/l #	84
20) Methylene Chloride	5.265	84	6856	3.825	ug/l	87
25) 2-Butanone	7.483	43	9711	8.788	ug/l	96
40) Benzene	8.600	78	102210	12.024	ug/l	99
43) Isopropyl Acetate	8.689	43	362272	66.021	ug/l #	72
52) Toluene	10.630	92	99317	18.681	ug/l	97
67) Ethyl Benzene	11.959	91	24244	1.884	ug/l	99
68) m/p-Xylenes	12.065	106	47883	9.876	ug/l	98
69) o-Xylene	12.394	106	42532	9.076	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	20380	1.839	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	58947	5.283	ug/l	84
93) 1,2,4-Trichlorobenzene	15.394	180	3965	1.212	ug/l	94
95) Naphthalene	15.641	128	1864580	177.333	ug/l	100

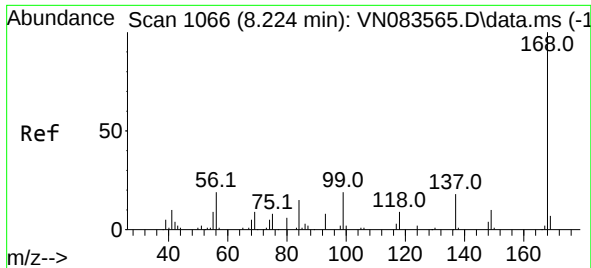
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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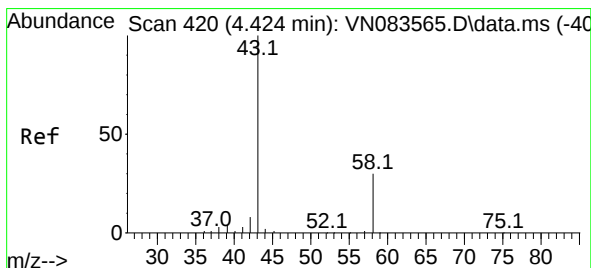
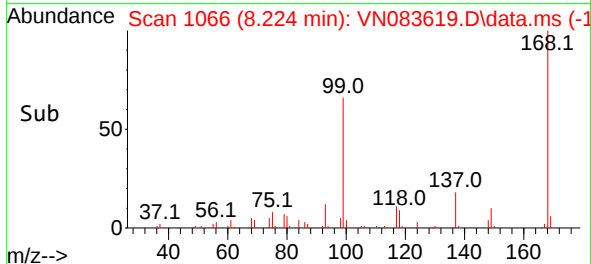
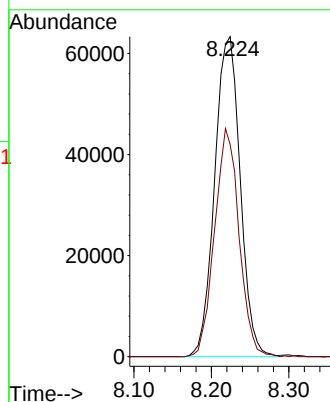
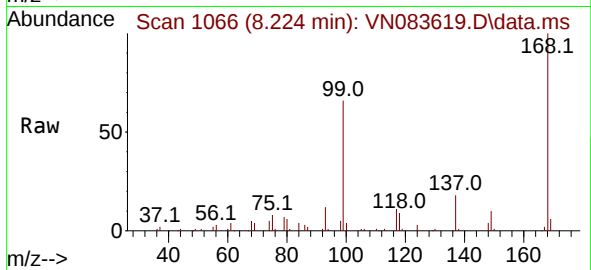




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VN083619.D
Acq: 03 Sep 2024 12:45

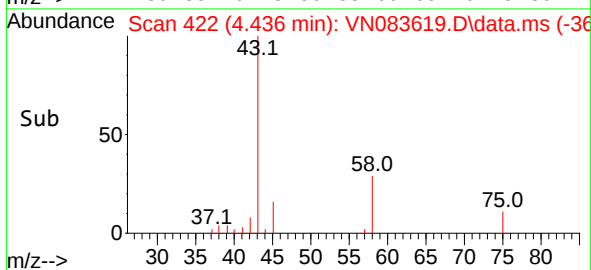
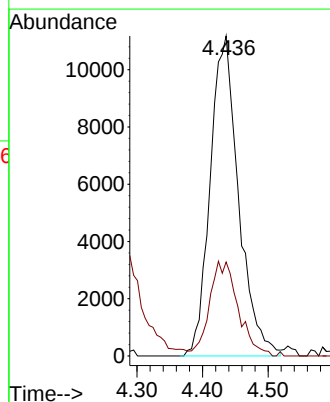
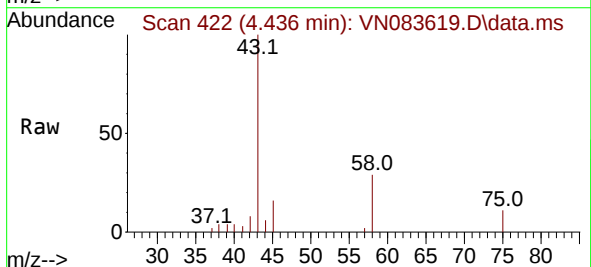
Instrument :
MSVOA_N
ClientSampleId :
SB-1

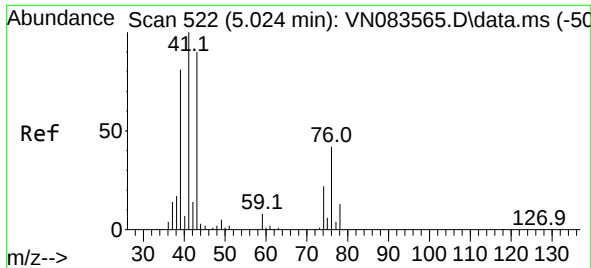
Tgt Ion:168 Resp: 145628
Ion Ratio Lower Upper
168 100
99 66.3 54.2 81.2



#16
Acetone
Concen: 41.451 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN083619.D
Acq: 03 Sep 2024 12:45

Tgt Ion: 43 Resp: 33643
Ion Ratio Lower Upper
43 100
58 28.0 23.7 35.5

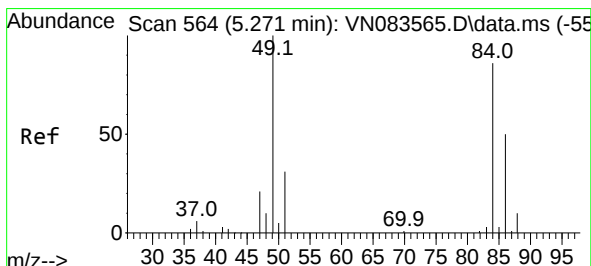
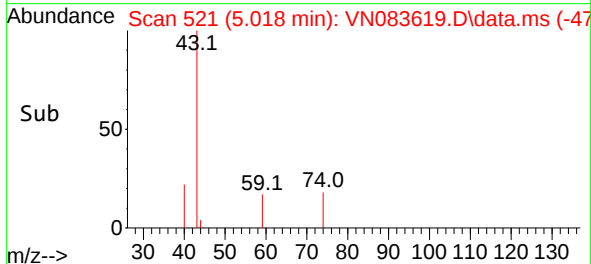
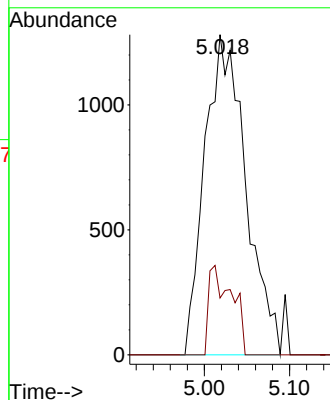
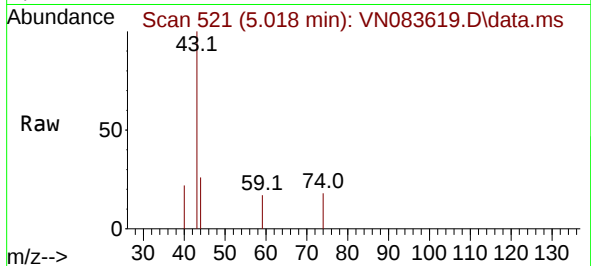




#18
Methyl Acetate
Concen: 1.983 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083619.D
Acq: 03 Sep 2024 12:45

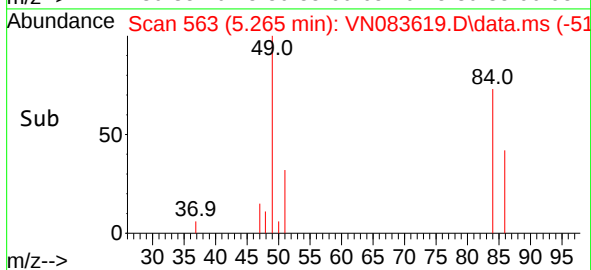
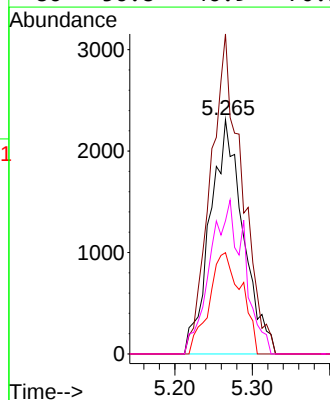
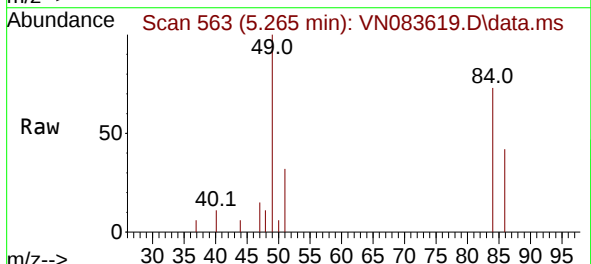
Instrument :
MSVOA_N
ClientSampleId :
SB-1

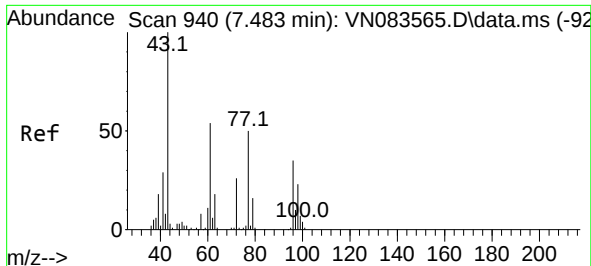
Tgt Ion: 43 Resp: 4280
Ion Ratio Lower Upper
43 100
74 15.6 19.0 28.4#



#20
Methylene Chloride
Concen: 3.825 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN083619.D
Acq: 03 Sep 2024 12:45

Tgt Ion: 84 Resp: 6856
Ion Ratio Lower Upper
84 100
49 136.6 93.4 140.0
51 43.2 29.2 43.8
86 56.8 46.9 70.3

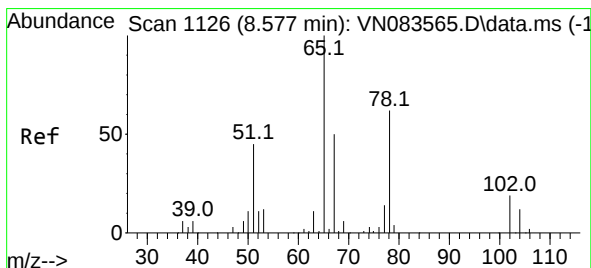
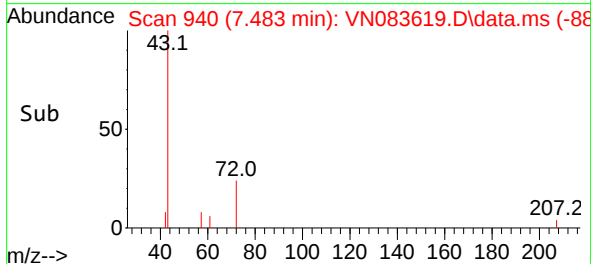
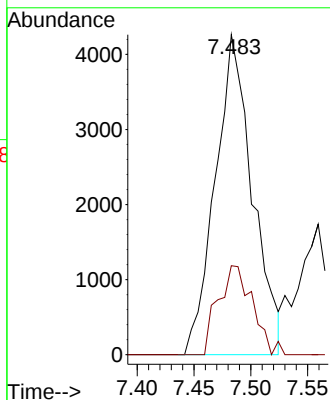
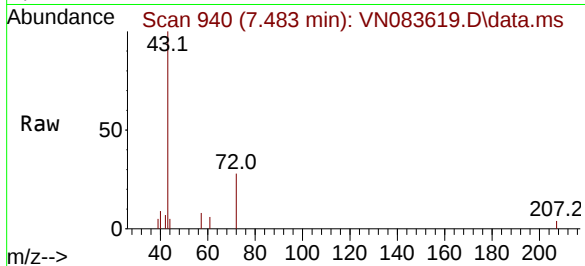




#25
2-Butanone
Concen: 8.788 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083619.D
Acq: 03 Sep 2024 12:45

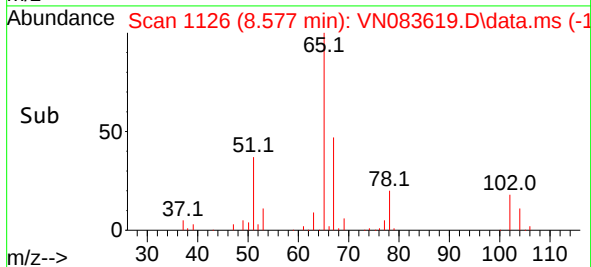
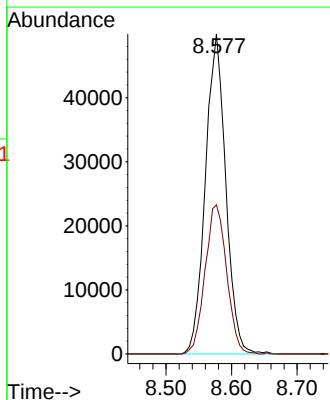
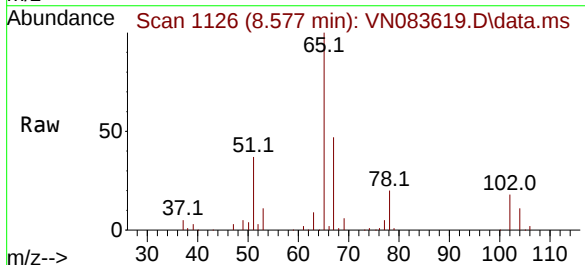
Instrument :
MSVOA_N
ClientSampleId :
SB-1

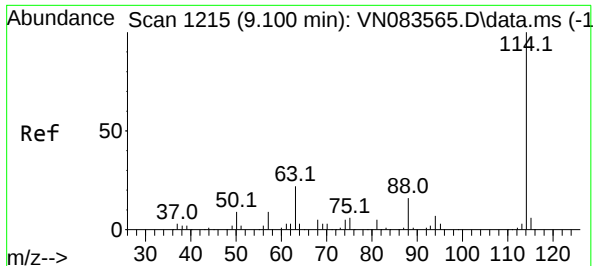
Tgt Ion: 43 Resp: 9711
Ion Ratio Lower Upper
43 100
72 27.8 20.8 31.2



#33
1,2-Dichloroethane-d4
Concen: 53.037 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083619.D
Acq: 03 Sep 2024 12:45

Tgt Ion: 65 Resp: 107946
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083619.D

Acq: 03 Sep 2024 12:45

Instrument :

MSVOA_N

ClientSampleId :

SB-1

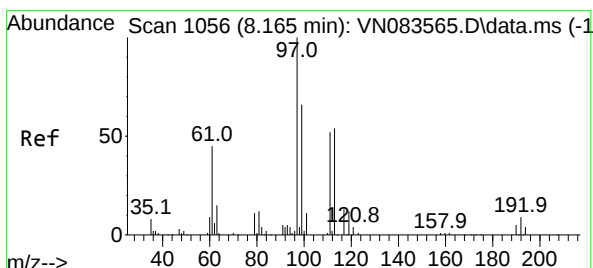
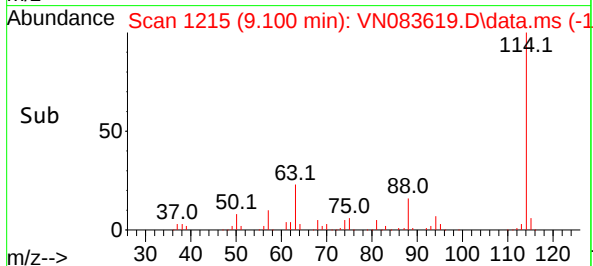
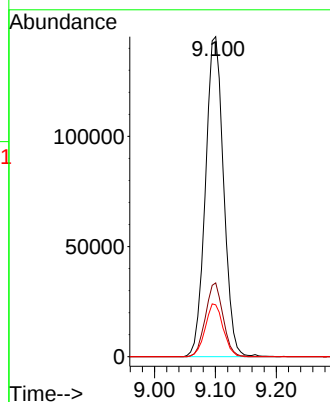
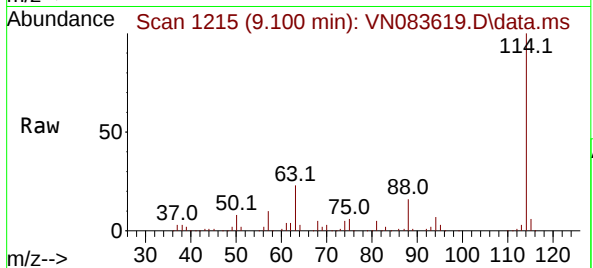
Tgt Ion:114 Resp: 301002

Ion Ratio Lower Upper

114 100

63 23.0 0.0 43.4

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.219 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN083619.D

Acq: 03 Sep 2024 12:45

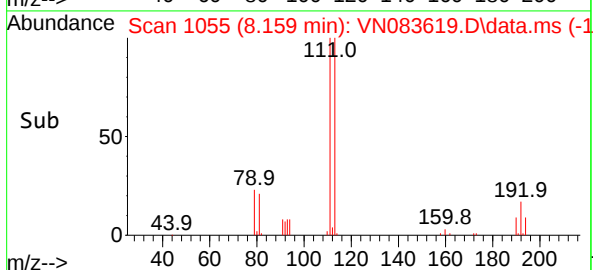
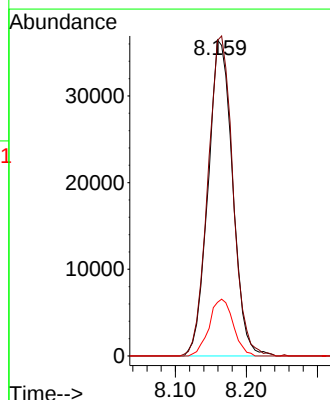
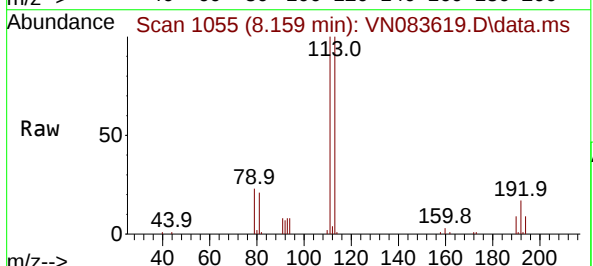
Tgt Ion:113 Resp: 87356

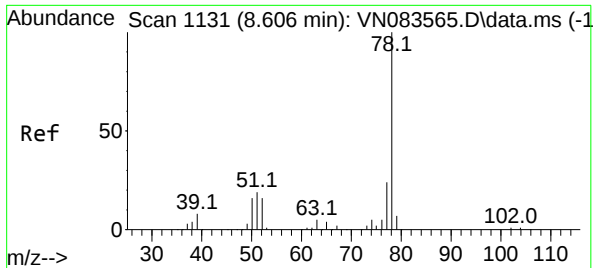
Ion Ratio Lower Upper

113 100

111 102.9 82.6 124.0

192 17.6 14.3 21.5





#40

Benzene

Concen: 12.024 ug/l

RT: 8.600 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VN083619.D

Acq: 03 Sep 2024 12:45

Instrument :

MSVOA_N

ClientSampleId :

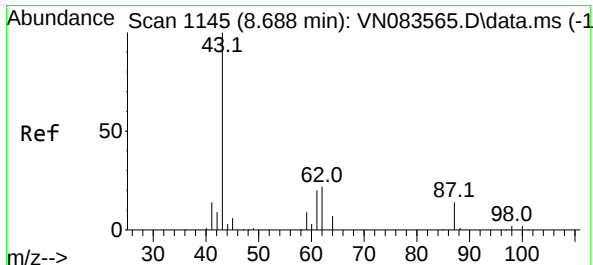
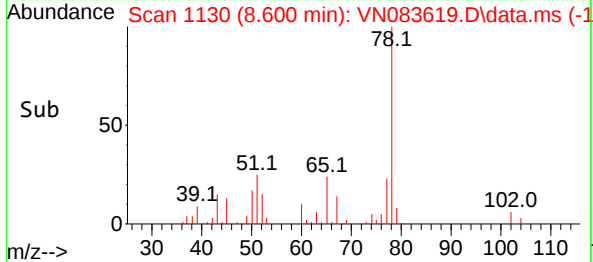
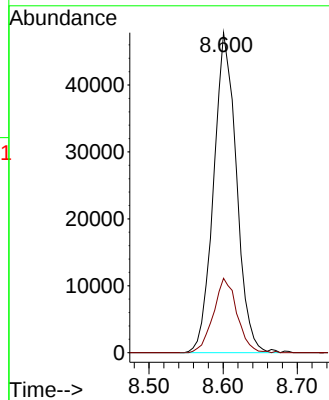
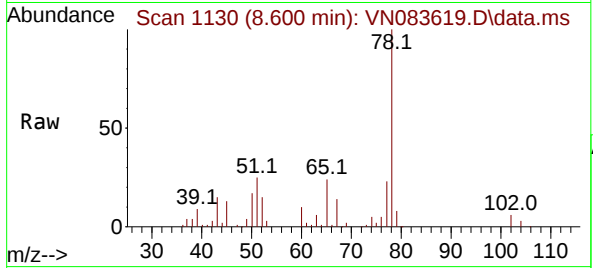
SB-1

Tgt Ion: 78 Resp: 102210

Ion Ratio Lower Upper

78 100

77 23.2 19.0 28.6



#43

Isopropyl Acetate

Concen: 66.021 ug/l

RT: 8.689 min Scan# 1145

Delta R.T. 0.001 min

Lab File: VN083619.D

Acq: 03 Sep 2024 12:45

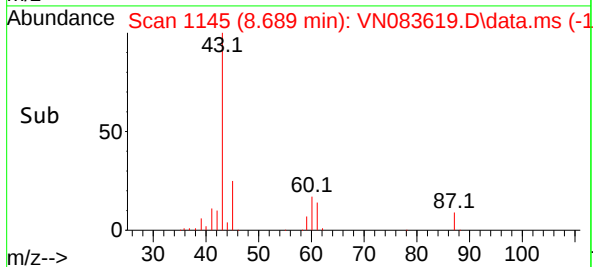
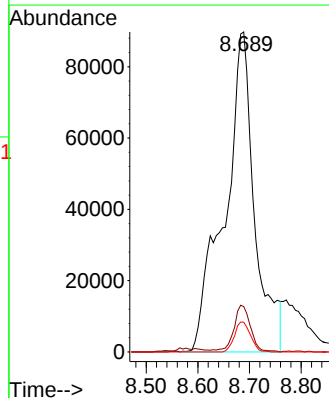
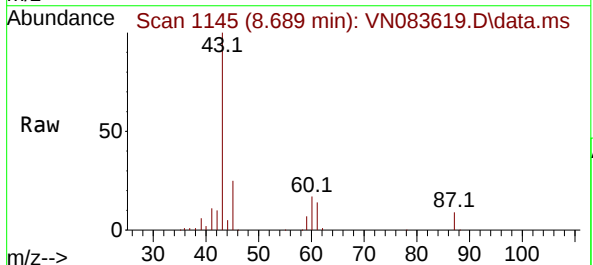
Tgt Ion: 43 Resp: 362272

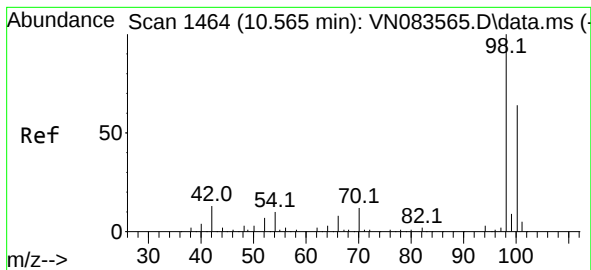
Ion Ratio Lower Upper

43 100

61 8.2 19.4 29.0#

87 5.0 9.8 14.6#





#50

Toluene-d8

Concen: 46.239 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083619.D

Acq: 03 Sep 2024 12:45

Instrument :

MSVOA_N

ClientSampleId :

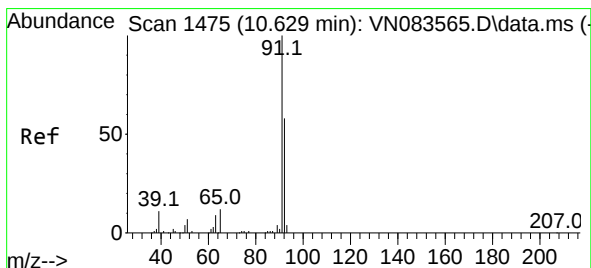
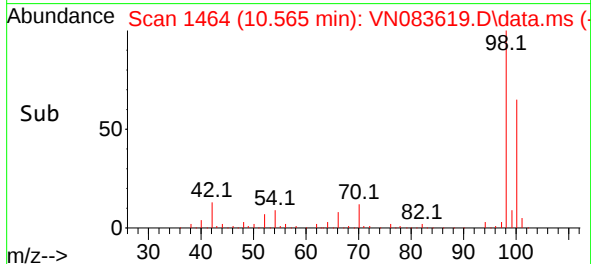
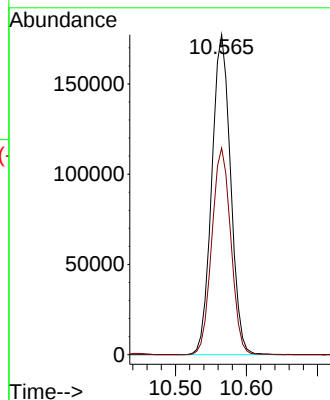
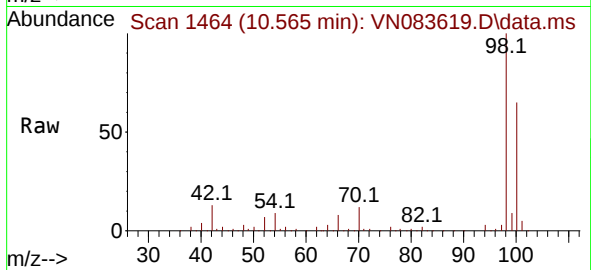
SB-1

Tgt Ion: 98 Resp: 325962

Ion Ratio Lower Upper

98 100

100 65.2 52.0 78.0



#52

Toluene

Concen: 18.681 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN083619.D

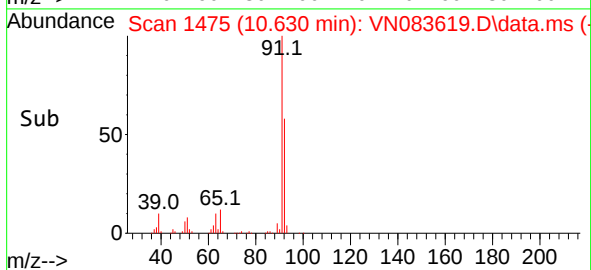
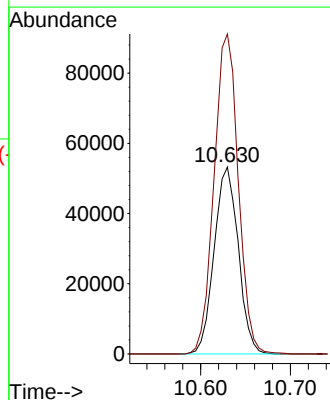
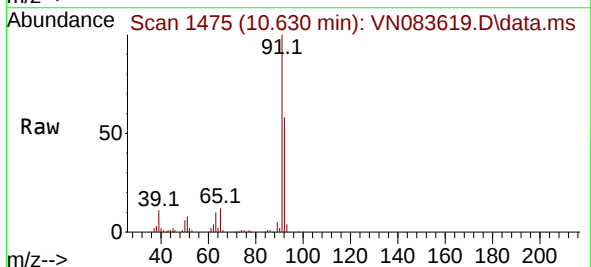
Acq: 03 Sep 2024 12:45

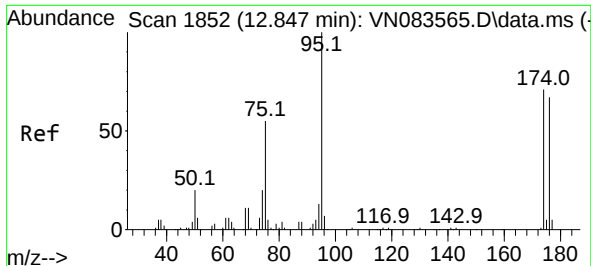
Tgt Ion: 92 Resp: 99317

Ion Ratio Lower Upper

92 100

91 172.0 134.7 202.1

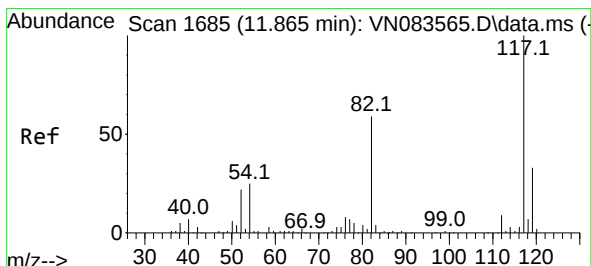
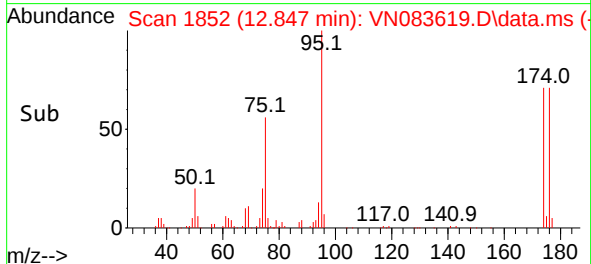
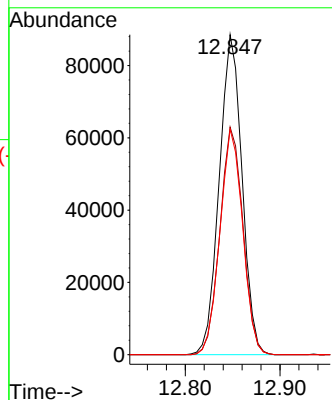
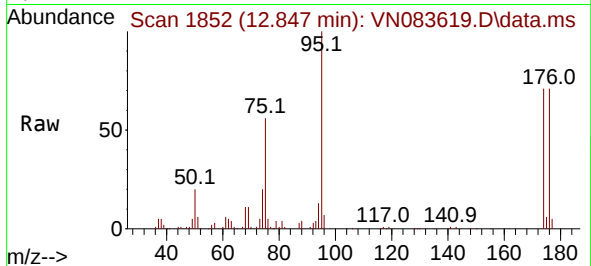




#62
4-Bromofluorobenzene
Concen: 56.599 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083619.D
Acq: 03 Sep 2024 12:45

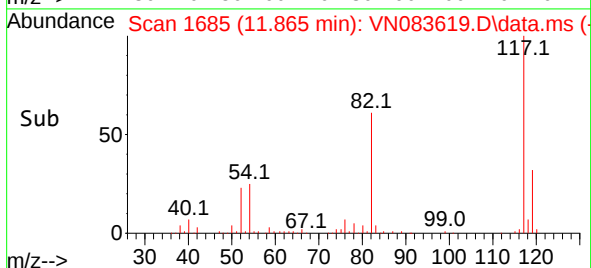
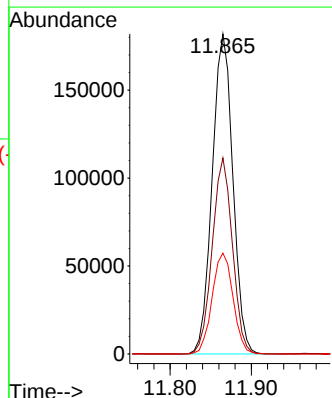
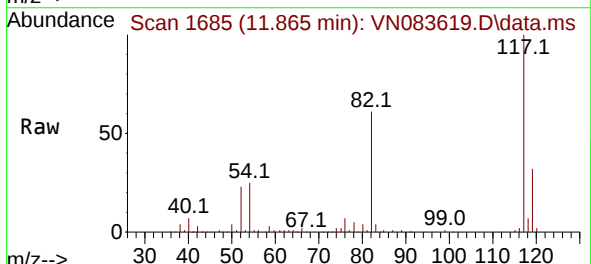
Instrument :
MSVOA_N
ClientSampleId :
SB-1

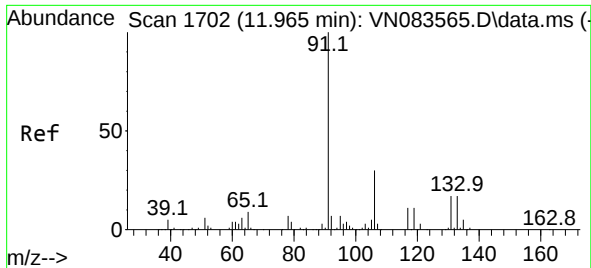
Tgt Ion: 95 Resp: 147919
Ion Ratio Lower Upper
95 100
174 72.1 0.0 139.8
176 70.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083619.D
Acq: 03 Sep 2024 12:45

Tgt Ion: 117 Resp: 321506
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.0
119 31.5 26.3 39.5

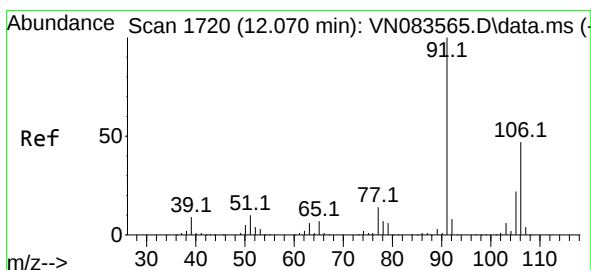
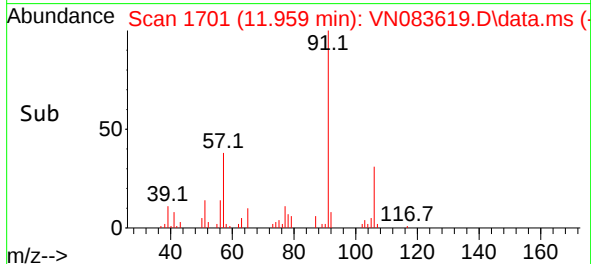
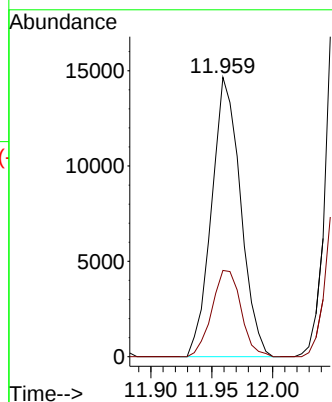
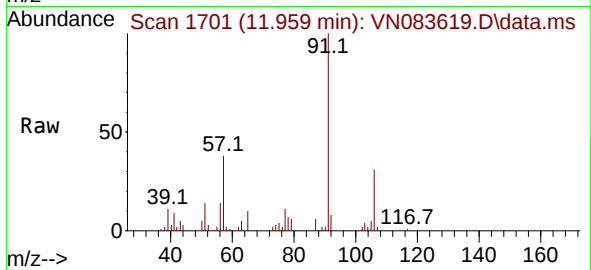




#67
Ethyl Benzene
Concen: 1.884 ug/l
RT: 11.959 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN083619.D
Acq: 03 Sep 2024 12:45

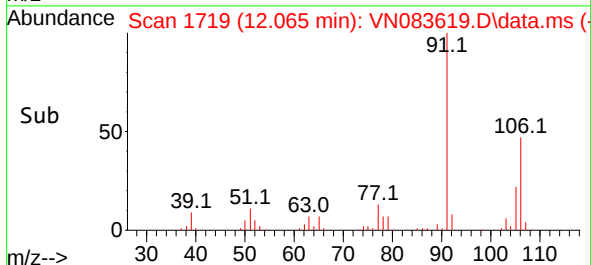
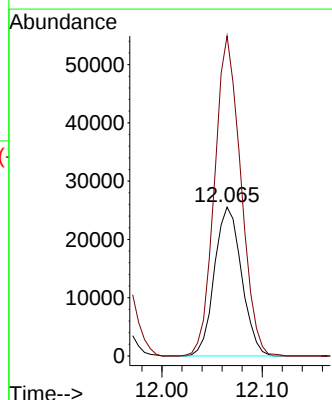
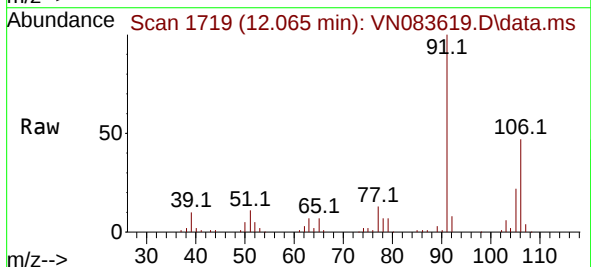
Instrument :
MSVOA_N
ClientSampleId :
SB-1

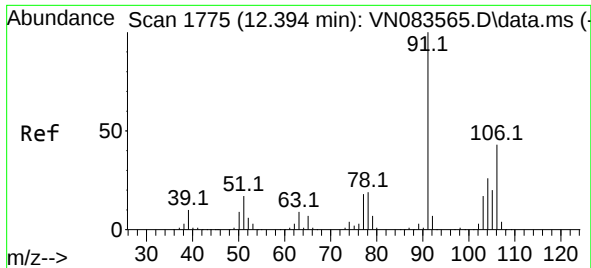
Tgt Ion: 91 Resp: 24244
Ion Ratio Lower Upper
91 100
106 30.9 24.3 36.5



#68
m/p-Xylenes
Concen: 9.876 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN083619.D
Acq: 03 Sep 2024 12:45

Tgt Ion: 106 Resp: 47883
Ion Ratio Lower Upper
106 100
91 208.2 169.2 253.8

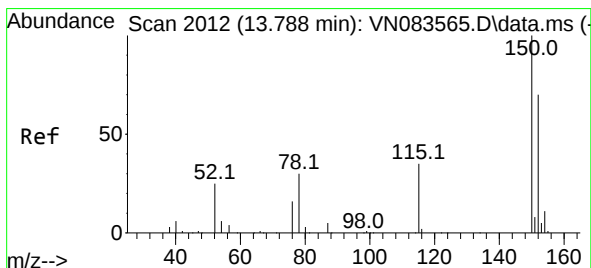
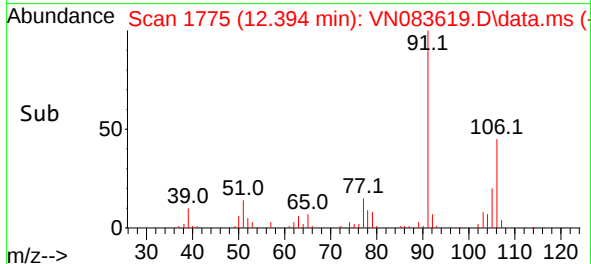
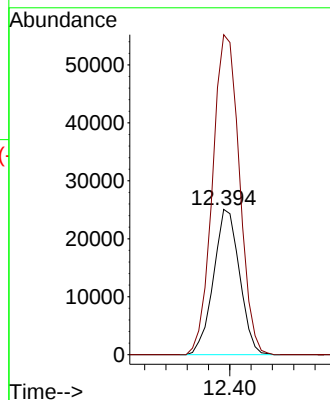
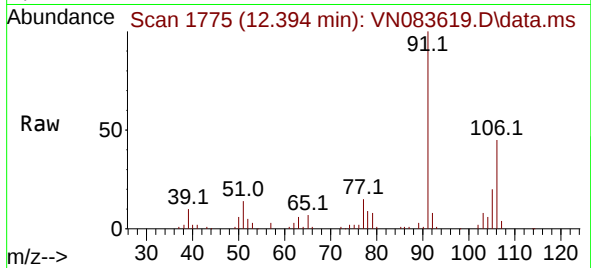




#69
o-Xylene
Concen: 9.076 ug/l
RT: 12.394 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083619.D
Acq: 03 Sep 2024 12:45

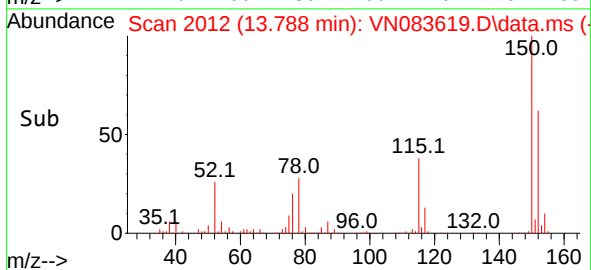
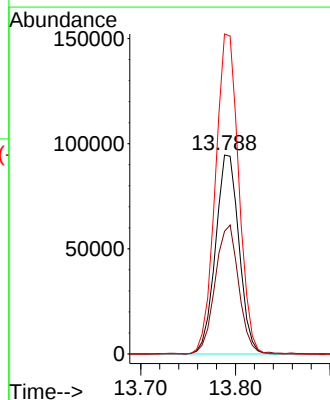
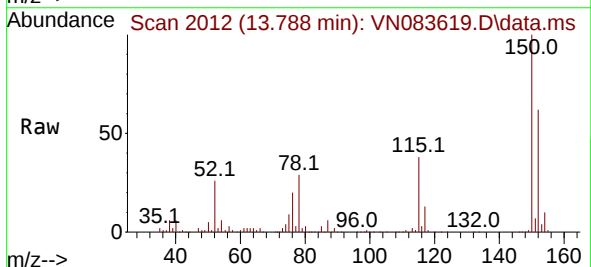
Instrument :
MSVOA_N
ClientSampleId :
SB-1

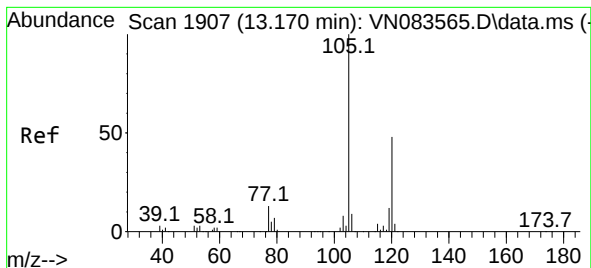
Tgt Ion:106 Resp: 42532
Ion Ratio Lower Upper
106 100
91 227.6 112.9 338.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN083619.D
Acq: 03 Sep 2024 12:45

Tgt Ion:152 Resp: 162576
Ion Ratio Lower Upper
152 100
115 65.4 32.2 96.6
150 159.8 0.0 348.6





#80

1,3,5-Trimethylbenzene

Concen: 1.839 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN083619.D

Acq: 03 Sep 2024 12:45

Instrument :

MSVOA_N

ClientSampleId :

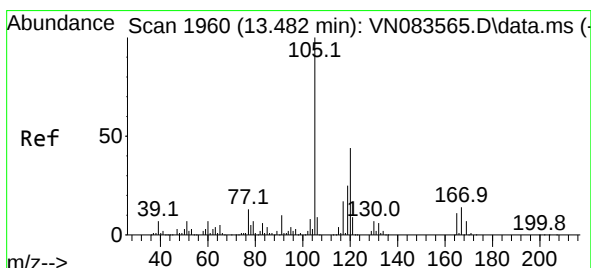
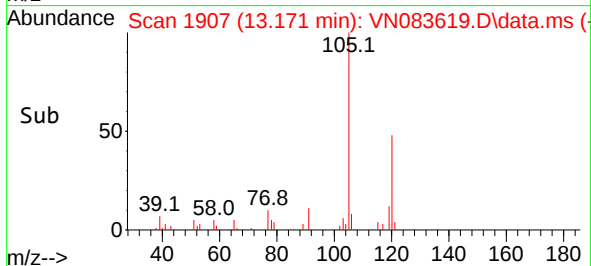
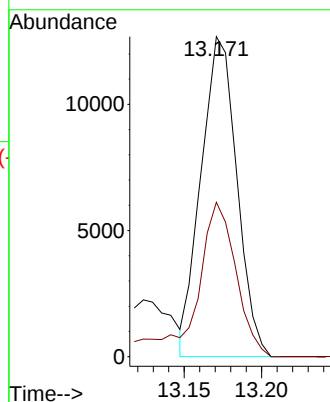
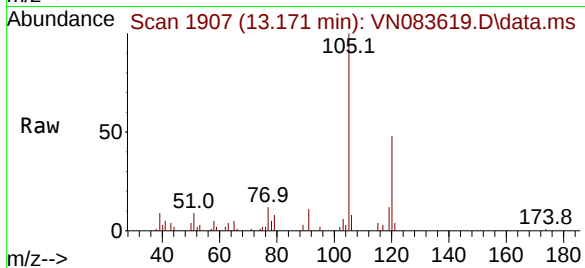
SB-1

Tgt Ion:105 Resp: 20380

Ion Ratio Lower Upper

105 100

120 48.7 23.4 70.3



#84

1,2,4-Trimethylbenzene

Concen: 5.283 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN083619.D

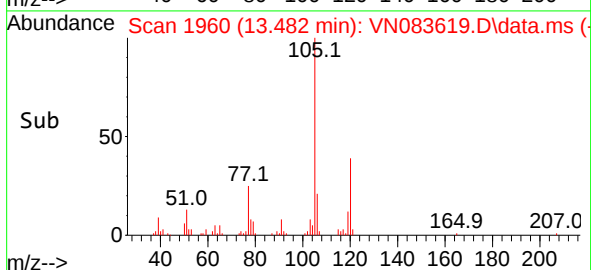
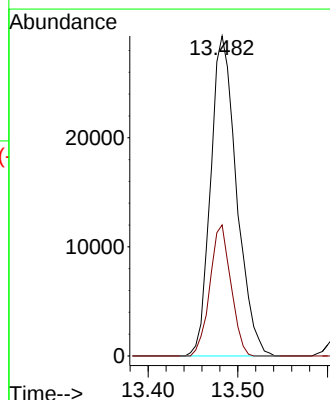
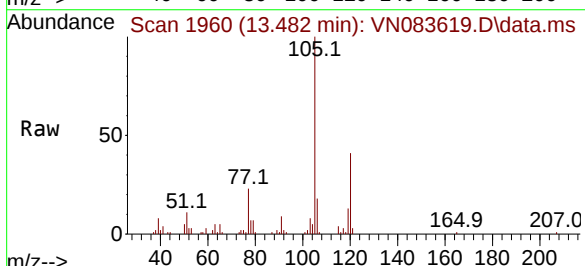
Acq: 03 Sep 2024 12:45

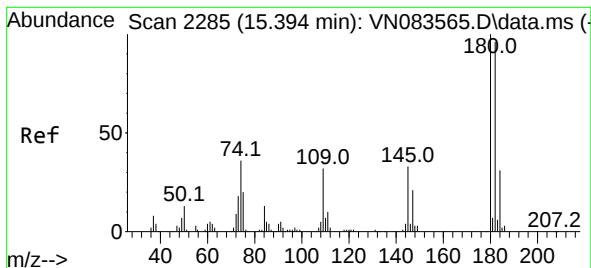
Tgt Ion:105 Resp: 58947

Ion Ratio Lower Upper

105 100

120 33.1 21.8 65.4





#93

1,2,4-Trichlorobenzene

Concen: 1.212 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN083619.D

Acq: 03 Sep 2024 12:45

Instrument :

MSVOA_N

ClientSampleId :

SB-1

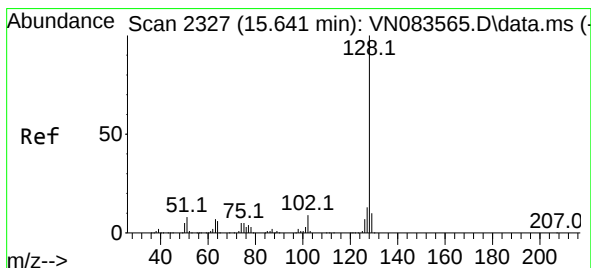
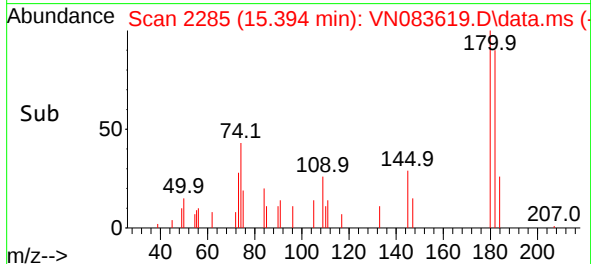
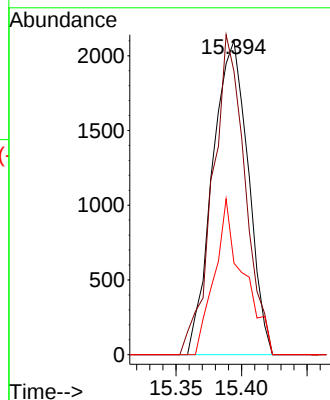
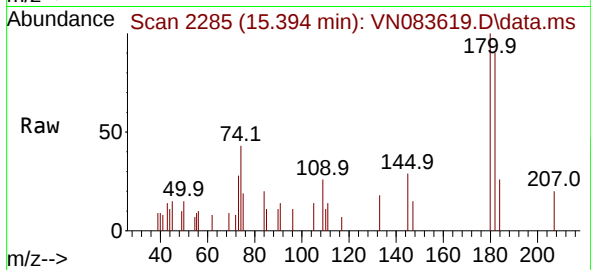
Tgt Ion:180 Resp: 3965

Ion Ratio Lower Upper

180 100

182 92.6 48.1 144.3

145 40.3 16.9 50.7



#95

Naphthalene

Concen: 177.333 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN083619.D

Acq: 03 Sep 2024 12:45

Tgt Ion:128 Resp: 1864580

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 11.0 8.7 13.1

