

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122324\
 Data File : VN085301.D
 Acq On : 23 Dec 2024 18:00
 Operator : JC\MD
 Sample : P5371-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPLP-C12-3-M

Quant Time: Dec 24 04:14:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

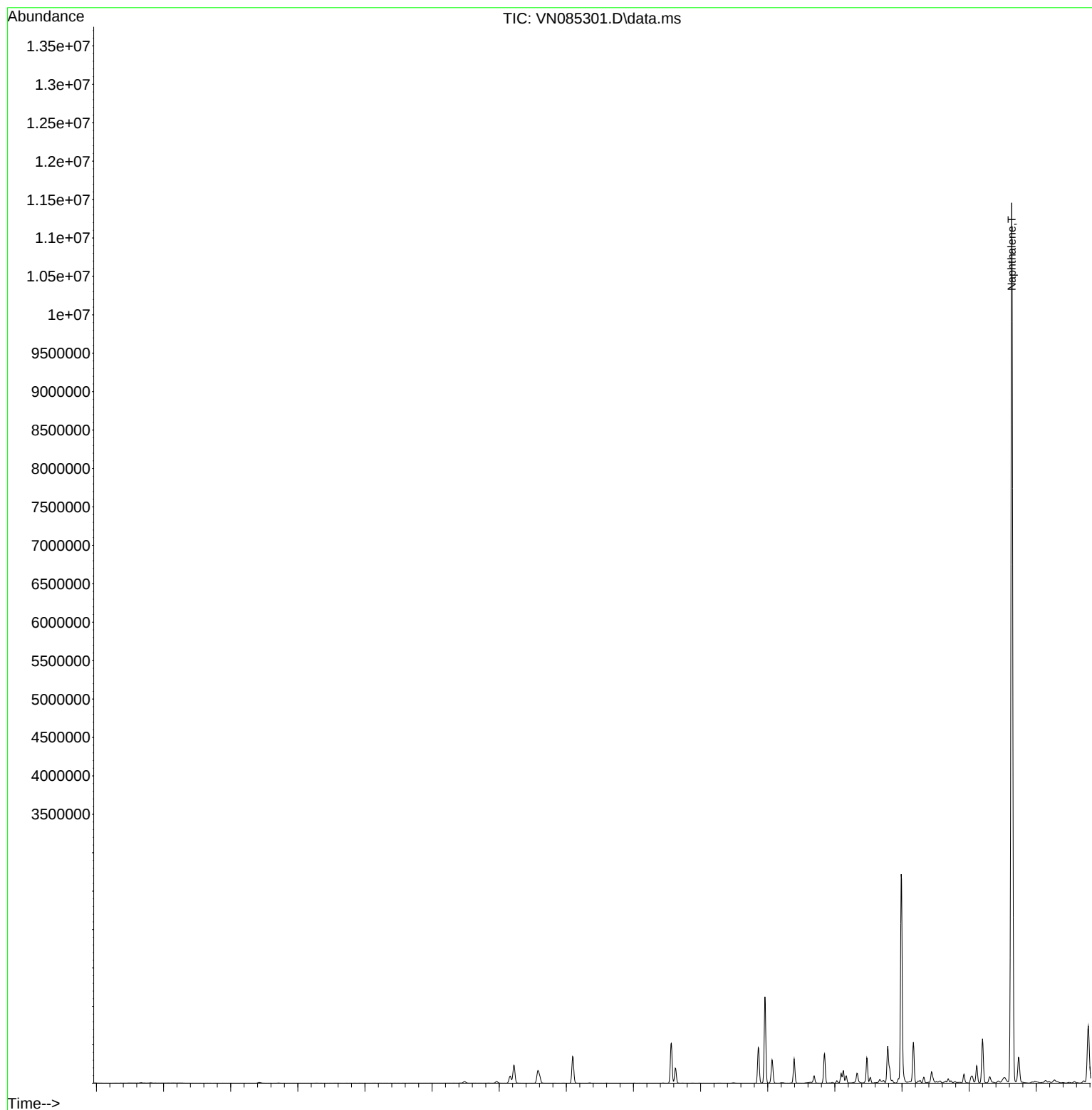
Internal Standards						
1) Pentafluorobenzene	8.224	168	160117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	295060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	257975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	119462	42.686	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.380%		
35) Dibromofluoromethane	8.165	113	65954	31.794	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	63.580%#		
50) Toluene-d8	10.565	98	358746	47.316	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.640%		
62) 4-Bromofluorobenzene	12.847	95	132488	48.923	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.840%		
Target Compounds					Qvalue	
16) Acetone	4.430	43	20555	21.278	ug/l	93
27) cis-1,2-Dichloroethene	7.488	96	10713	4.567	ug/l	87
30) Chloroform	7.959	83	22213	5.318	ug/l	97
40) Benzene	8.600	78	80849	8.997	ug/l	99
52) Toluene	10.624	92	84793	15.693	ug/l	98
67) Ethyl Benzene	11.959	91	807585	81.250	ug/l	98
68) m/p-Xylenes	12.065	106	95902	25.798	ug/l	96
69) o-Xylene	12.394	106	83544	23.909	ug/l	98
73) Isopropylbenzene	12.694	105	59506	6.807	ug/l	99
78) n-propylbenzene	13.029	91	24596	2.294	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	47539	6.520	ug/l	93
84) 1,2,4-Trimethylbenzene	13.476	105	181356	24.334	ug/l	99
86) p-Isopropyltoluene	13.729	119	9927	3.091	ug/l #	74
95) Naphthalene	15.635	128	9862396	1479.947	ug/l	99

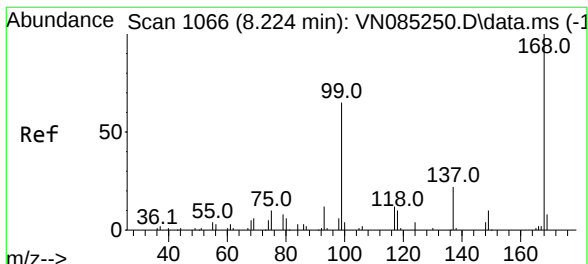
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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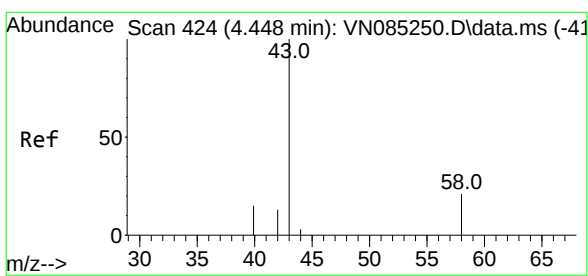
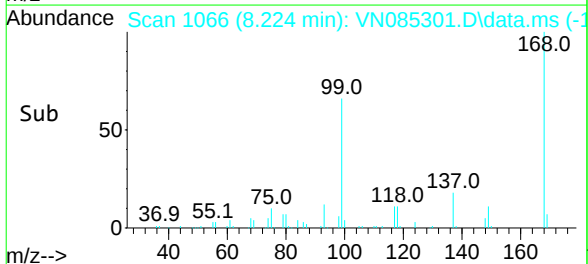
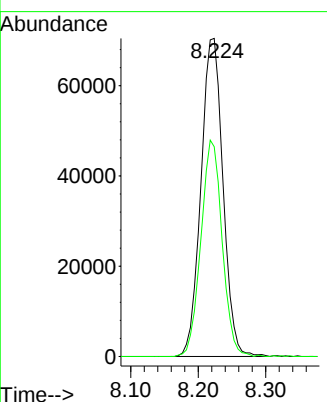
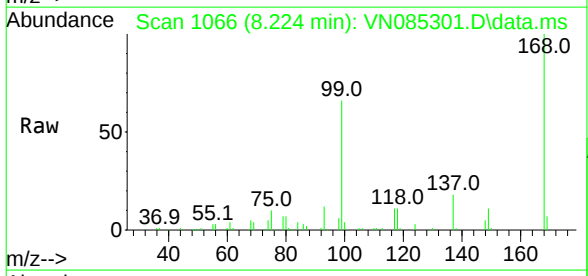




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085301.D
Acq: 23 Dec 2024 18:00

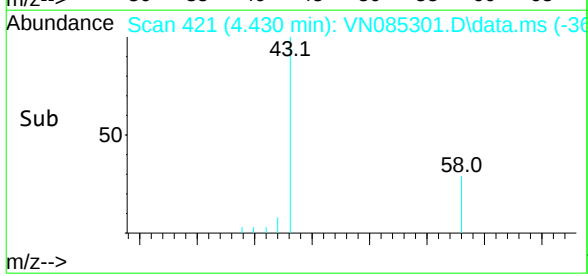
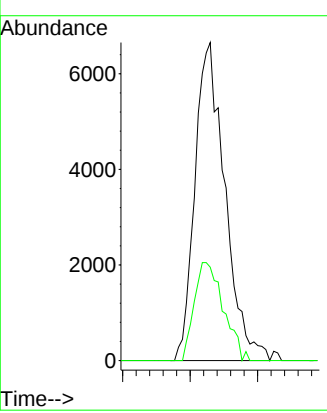
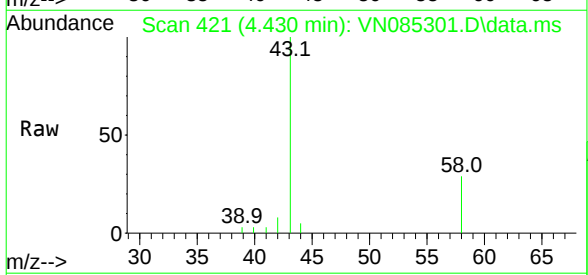
Instrument :
MSVOA_N
ClientSampleId :
SPLP-C12-3-M

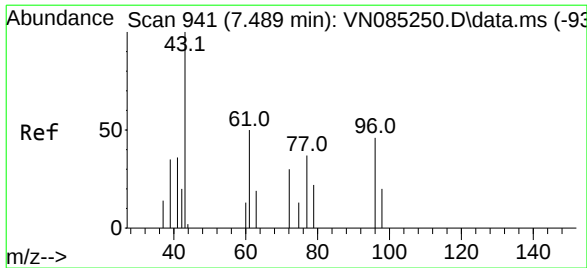
Tgt Ion:168 Resp: 160117
Ion Ratio Lower Upper
168 100
99 65.9 50.7 76.1



#16
Acetone
Concen: 21.278 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085301.D
Acq: 23 Dec 2024 18:00

Tgt Ion: 43 Resp: 20555
Ion Ratio Lower Upper
43 100
58 29.4 20.8 31.2

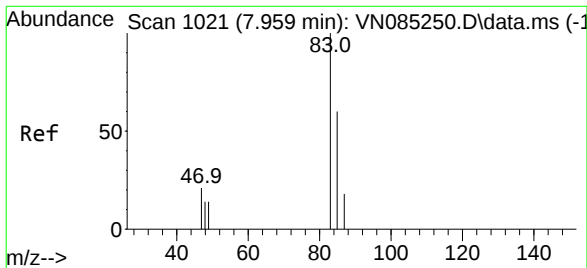
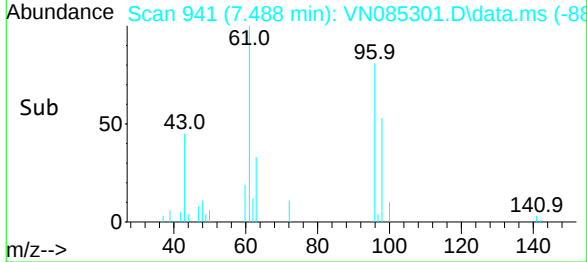
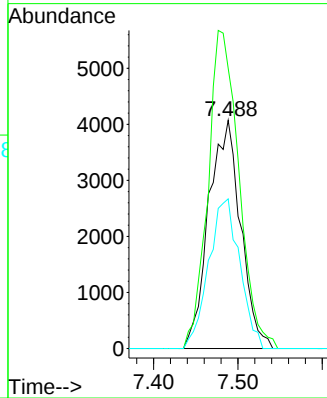
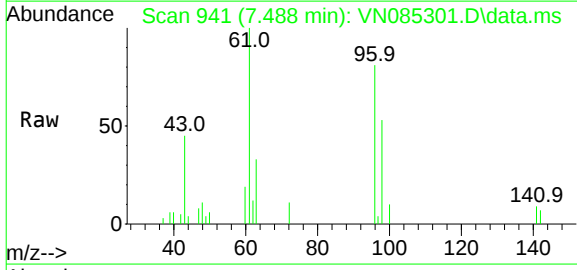




#27
cis-1,2-Dichloroethene
Concen: 4.567 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085301.D
Acq: 23 Dec 2024 18:00

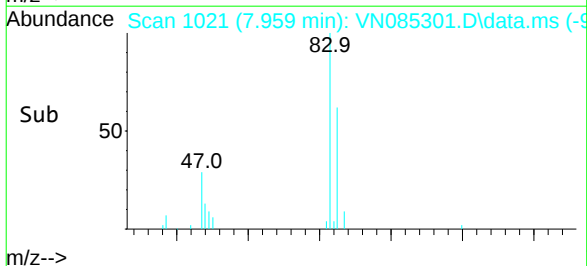
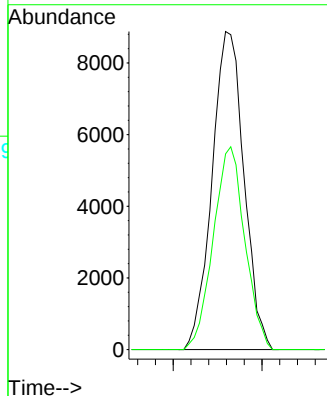
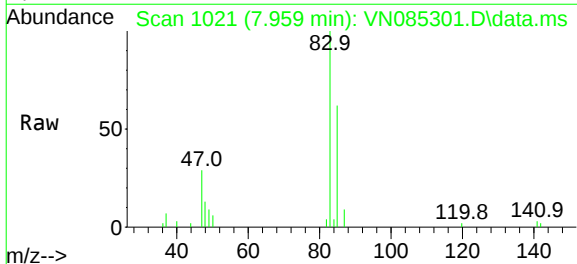
Instrument :
MSVOA_N
ClientSampleId :
SPLP-C12-3-M

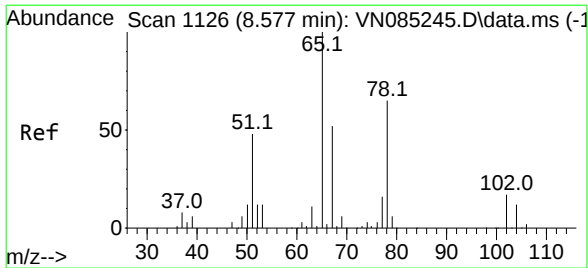
Tgt Ion: 96	Resp: 10713
Ion Ratio	Lower Upper
96 100	
61 134.8	0.0 316.4
98 63.9	0.0 125.4



#30
Chloroform
Concen: 5.318 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN085301.D
Acq: 23 Dec 2024 18:00

Tgt Ion: 83	Resp: 22213
Ion Ratio	Lower Upper
83 100	
85 61.5	51.4 77.0

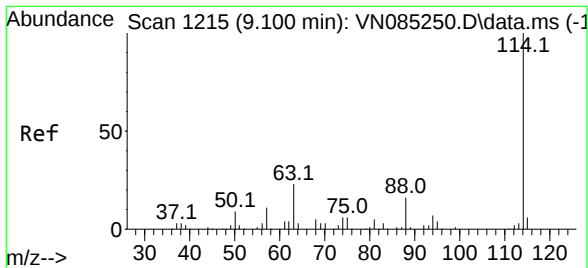
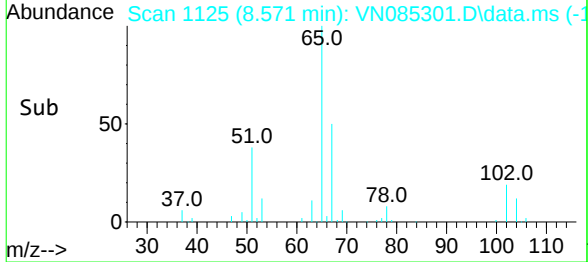
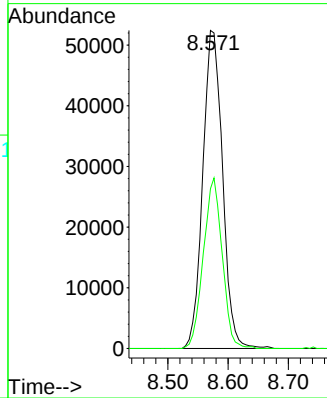
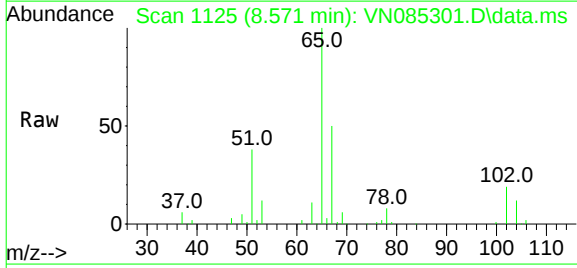




#33
1,2-Dichloroethane-d4
Concen: 42.686 ug/l
RT: 8.571 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN085301.D
Acq: 23 Dec 2024 18:00

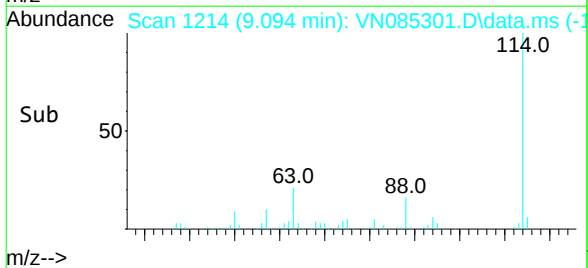
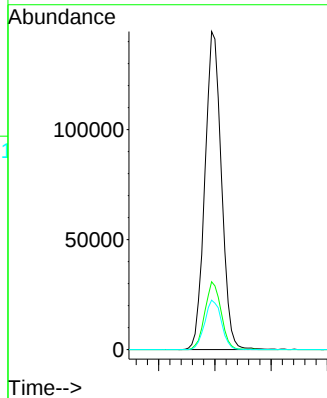
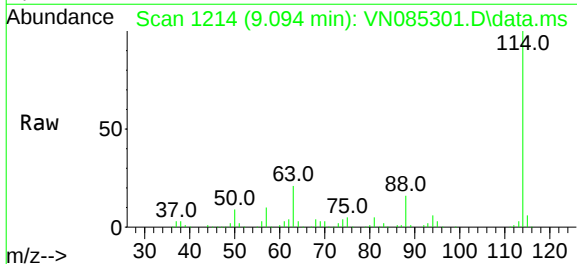
Instrument :
MSVOA_N
ClientSampleId :
SPLP-C12-3-M

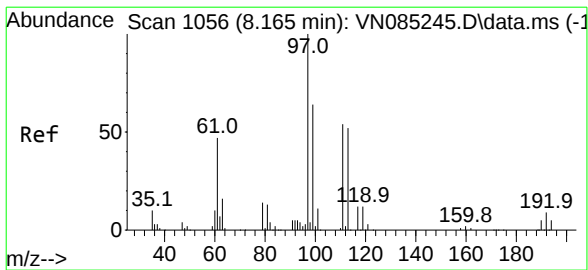
Tgt Ion: 65 Resp: 119462
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN085301.D
Acq: 23 Dec 2024 18:00

Tgt Ion: 114 Resp: 295060
Ion Ratio Lower Upper
114 100
63 21.3 0.0 46.2
88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 31.794 ug/l

RT: 8.165 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN085301.D

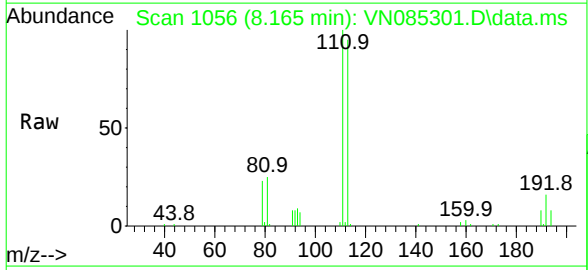
Acq: 23 Dec 2024 18:00

Instrument :

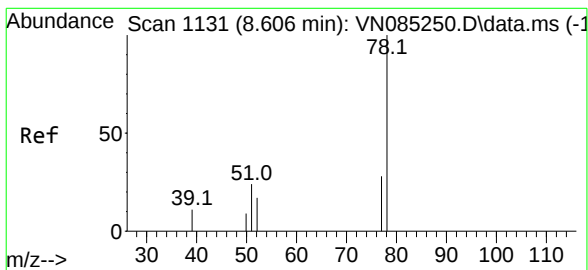
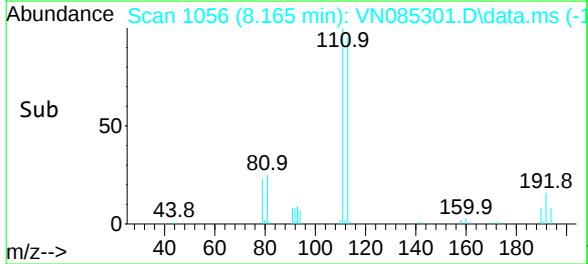
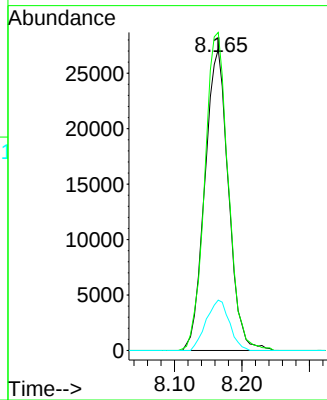
MSVOA_N

ClientSampleId :

SPLP-C12-3-M



Tgt Ion:	113	Resp:	65954
Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.1	123.1
192	16.4	13.4	20.0



#40

Benzene

Concen: 8.997 ug/l

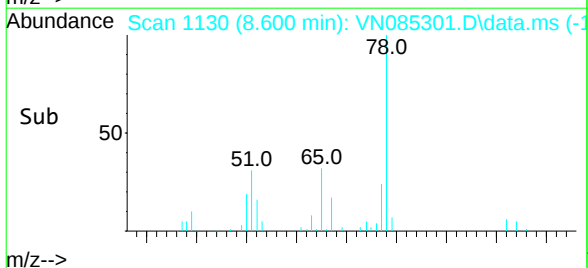
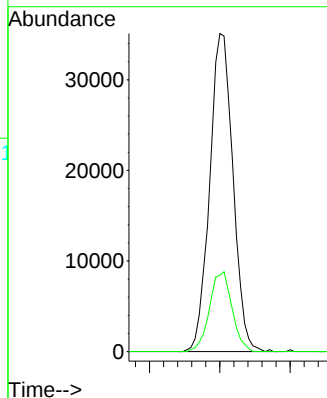
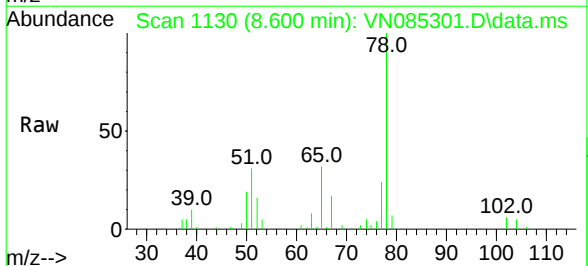
RT: 8.600 min Scan# 1130

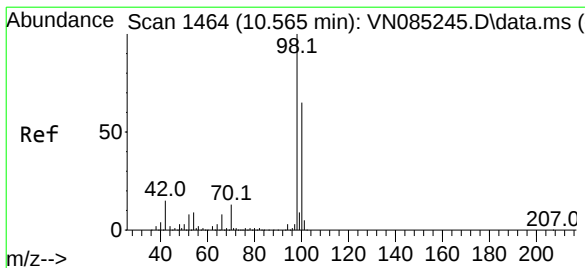
Delta R.T. -0.000 min

Lab File: VN085301.D

Acq: 23 Dec 2024 18:00

Tgt Ion:	78	Resp:	80849
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.9	28.3





#50

Toluene-d8

Concen: 47.316 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085301.D

Acq: 23 Dec 2024 18:00

Instrument :

MSVOA_N

ClientSampleId :

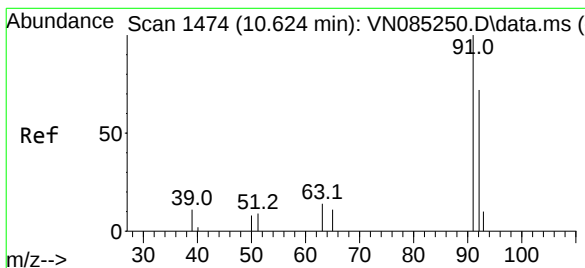
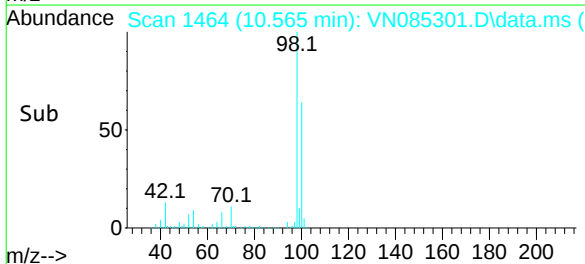
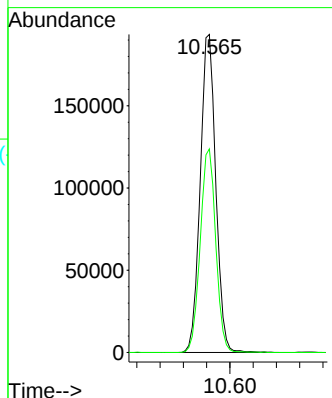
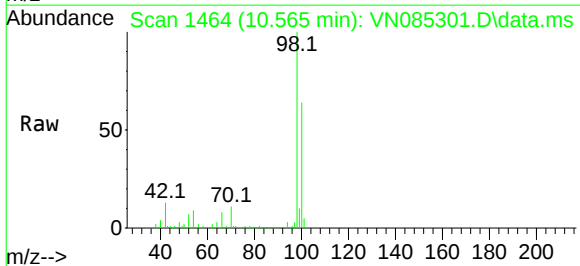
SPLP-C12-3-M

Tgt Ion: 98 Resp: 358746

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



#52

Toluene

Concen: 15.693 ug/l

RT: 10.624 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VN085301.D

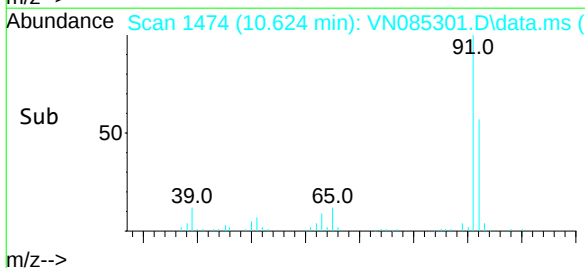
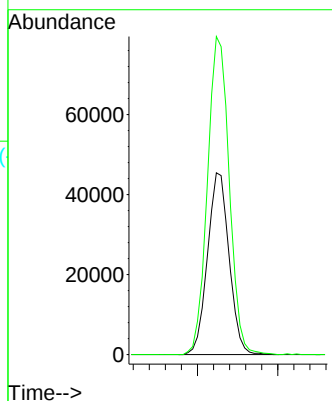
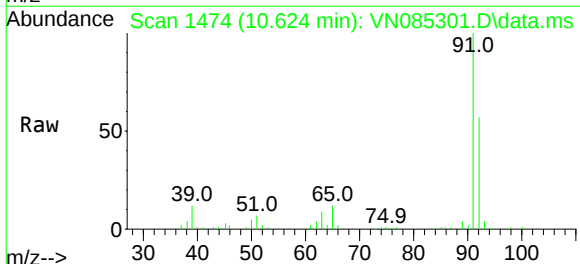
Acq: 23 Dec 2024 18:00

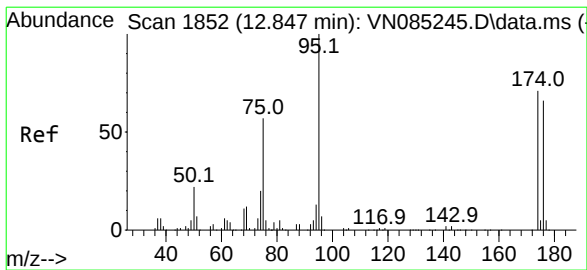
Tgt Ion: 92 Resp: 84793

Ion Ratio Lower Upper

92 100

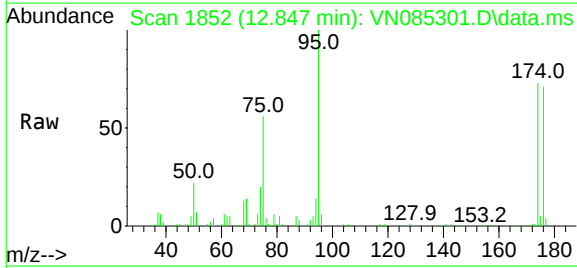
91 176.5 138.9 208.3



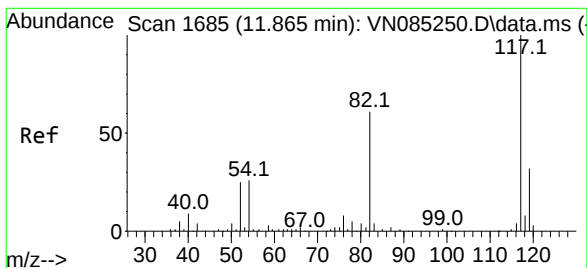
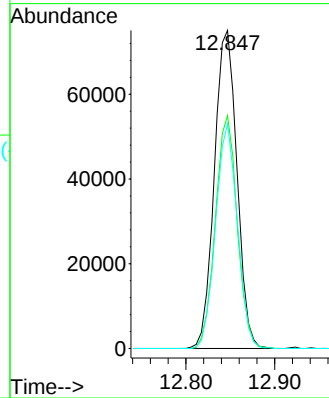
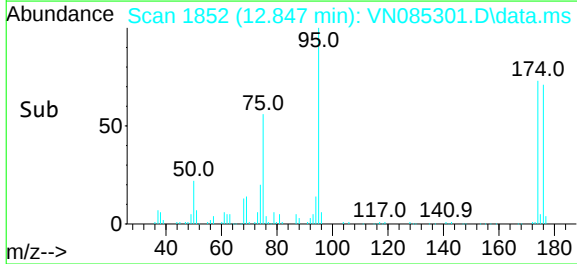


#62
4-Bromofluorobenzene
Concen: 48.923 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085301.D
Acq: 23 Dec 2024 18:00

Instrument :
MSVOA_N
ClientSampleId :
SPLP-C12-3-M

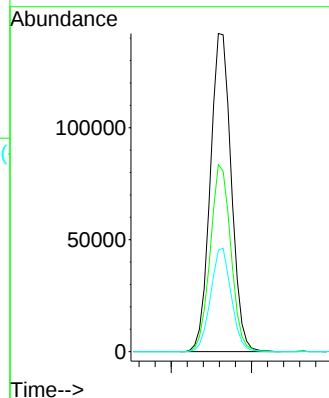
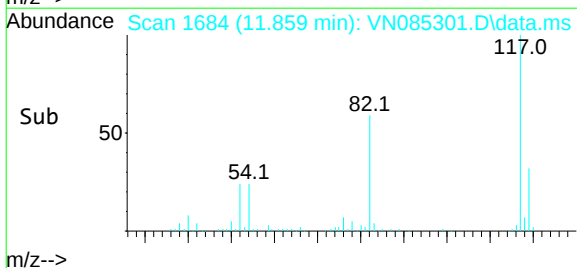
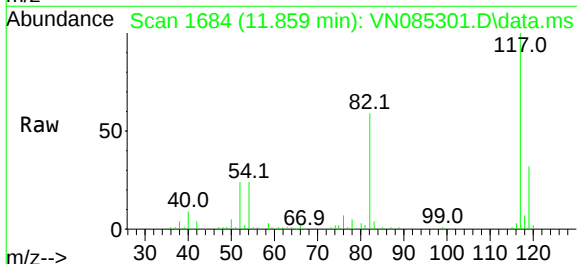


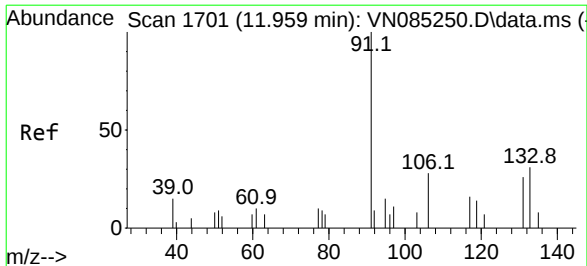
Tgt Ion: 95 Resp: 132488
Ion Ratio Lower Upper
95 100
174 70.8 0.0 144.4
176 68.1 0.0 136.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN085301.D
Acq: 23 Dec 2024 18:00

Tgt Ion: 117 Resp: 257975
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 31.8 25.6 38.4

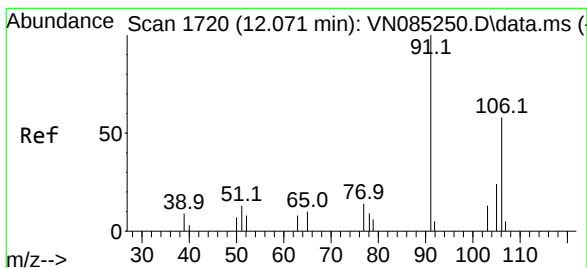
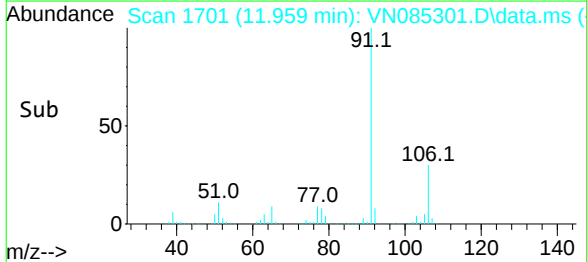
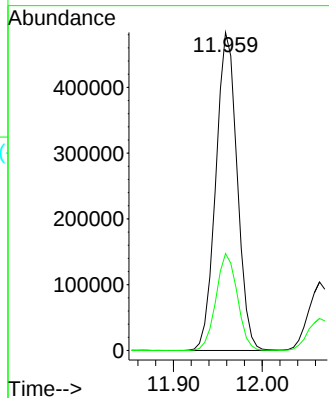
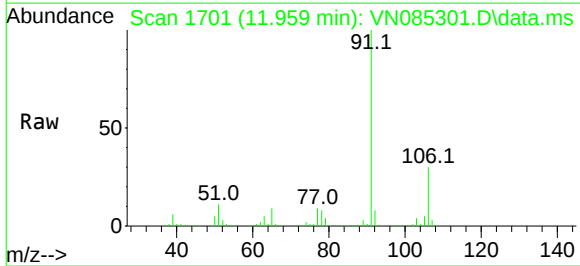




#67
Ethyl Benzene
Concen: 81.250 ug/l
RT: 11.959 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085301.D
Acq: 23 Dec 2024 18:00

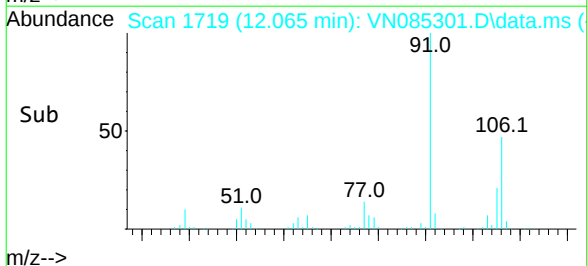
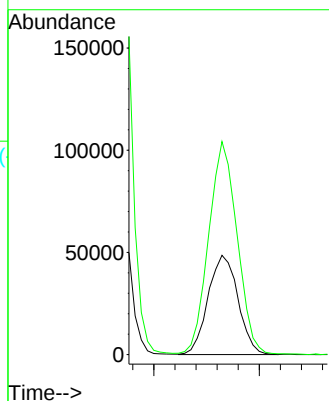
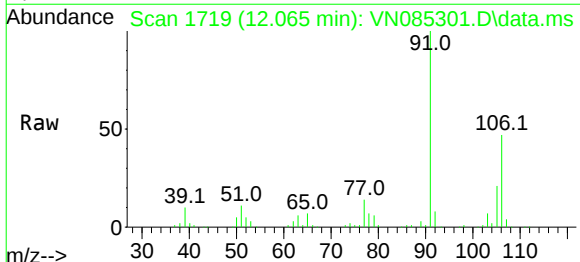
Instrument :
MSVOA_N
ClientSampleId :
SPLP-C12-3-M

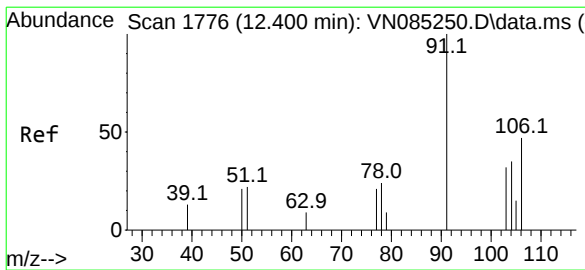
Tgt Ion: 91 Resp: 807585
Ion Ratio Lower Upper
91 100
106 30.5 23.5 35.3



#68
m/p-Xylenes
Concen: 25.798 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN085301.D
Acq: 23 Dec 2024 18:00

Tgt Ion:106 Resp: 95902
Ion Ratio Lower Upper
106 100
91 204.9 168.3 252.5





#69

o-Xylene

Concen: 23.909 ug/l

RT: 12.394 min Scan# 17

Delta R.T. -0.000 min

Lab File: VN085301.D

Acq: 23 Dec 2024 18:00

Instrument :

MSVOA_N

ClientSampleId :

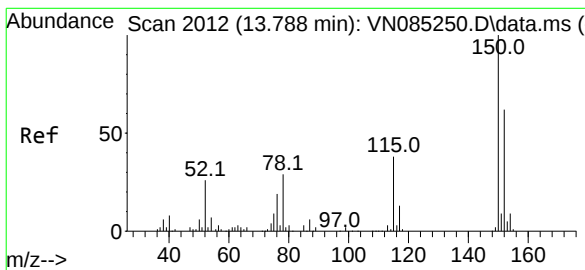
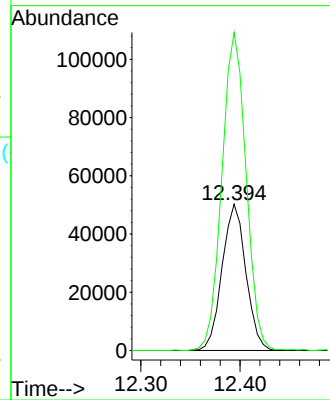
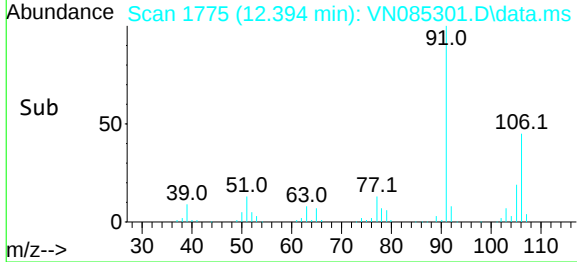
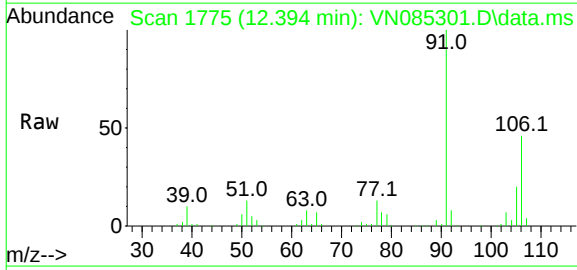
SPLP-C12-3-M

Tgt Ion:106 Resp: 83544

Ion Ratio Lower Upper

106 100

91 221.6 112.1 336.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085301.D

Acq: 23 Dec 2024 18:00

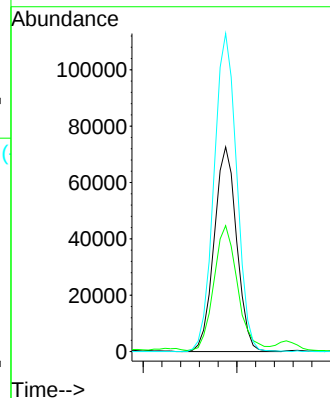
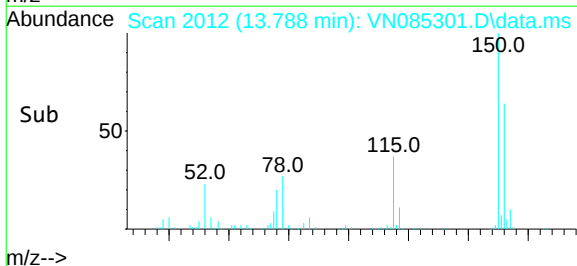
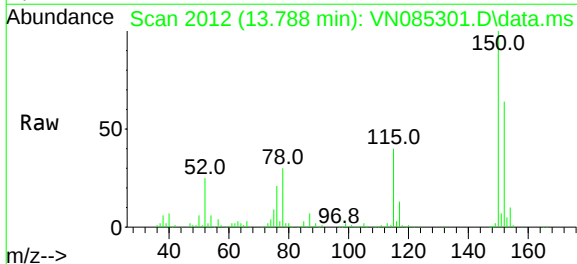
Tgt Ion:152 Resp: 121176

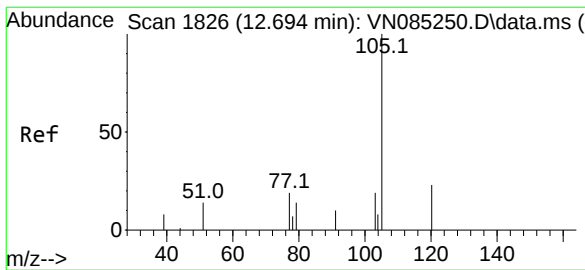
Ion Ratio Lower Upper

152 100

115 64.3 32.1 96.3

150 156.9 0.0 354.6





#73

Isopropylbenzene

Concen: 6.807 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085301.D

Acq: 23 Dec 2024 18:00

Instrument :

MSVOA_N

ClientSampleId :

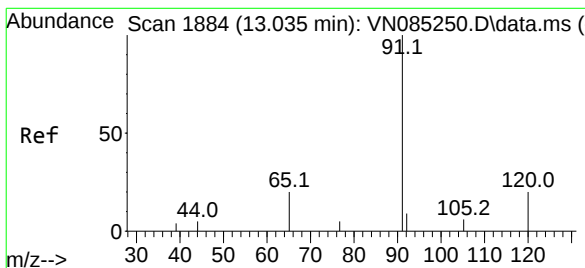
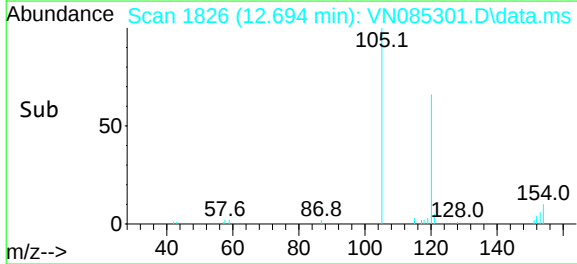
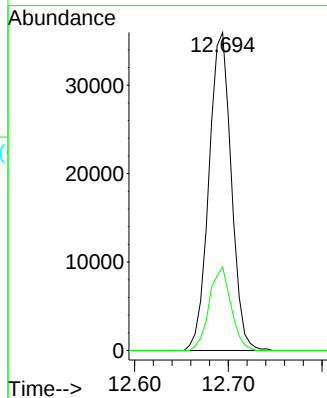
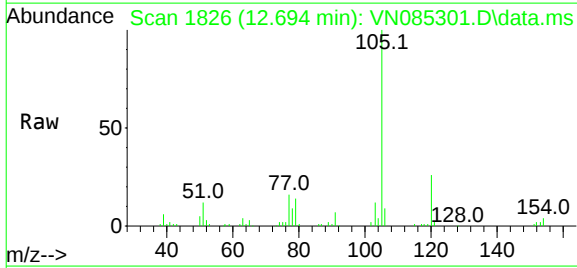
SPLP-C12-3-M

Tgt Ion:105 Resp: 59506

Ion Ratio Lower Upper

105 100

120 25.6 13.0 38.9



#78

n-propylbenzene

Concen: 2.294 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.006 min

Lab File: VN085301.D

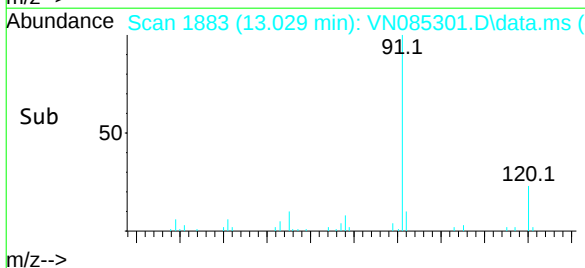
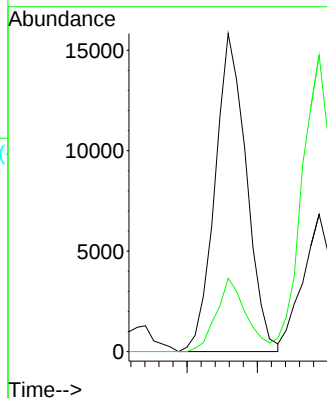
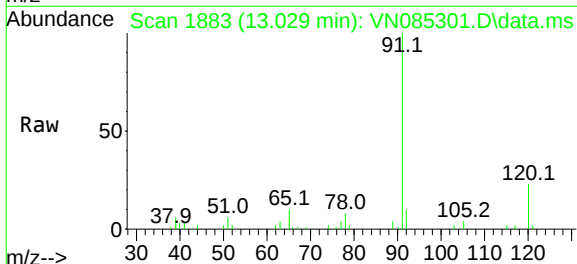
Acq: 23 Dec 2024 18:00

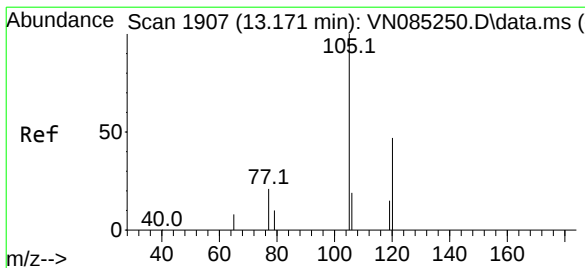
Tgt Ion: 91 Resp: 24596

Ion Ratio Lower Upper

91 100

120 21.9 10.8 32.3





#80

1,3,5-Trimethylbenzene

Concen: 6.520 ug/l

RT: 13.170 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085301.D

Acq: 23 Dec 2024 18:00

Instrument :

MSVOA_N

ClientSampleId :

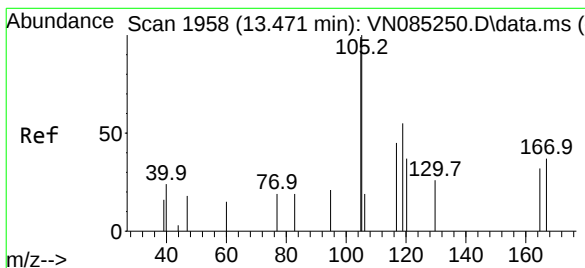
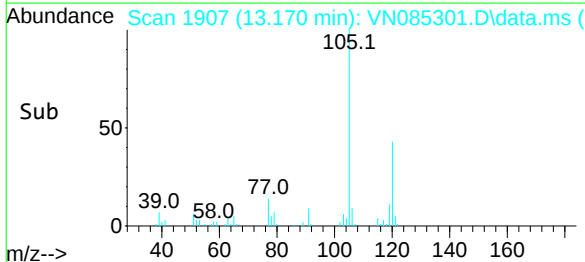
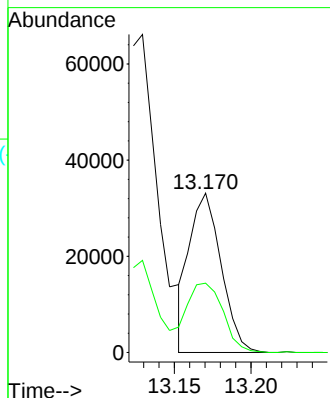
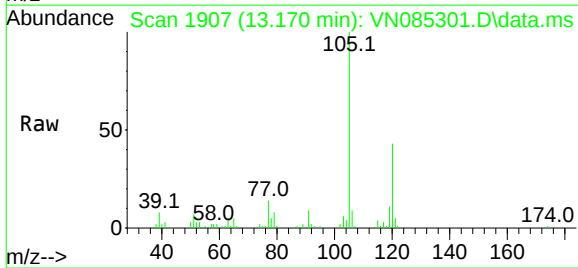
SPLP-C12-3-M

Tgt Ion:105 Resp: 47539

Ion Ratio Lower Upper

105 100

120 51.7 23.4 70.2



#84

1,2,4-Trimethylbenzene

Concen: 24.334 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.006 min

Lab File: VN085301.D

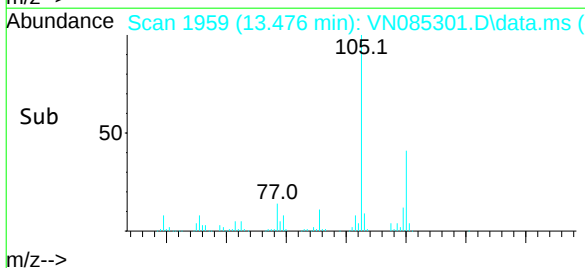
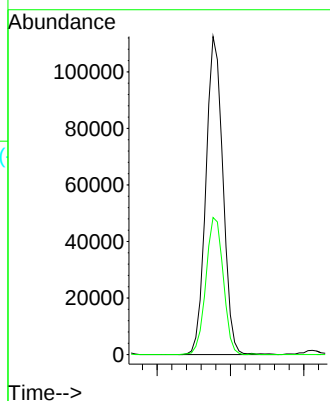
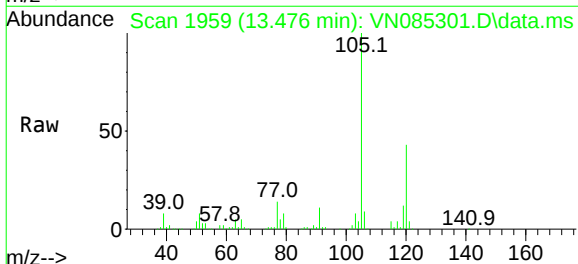
Acq: 23 Dec 2024 18:00

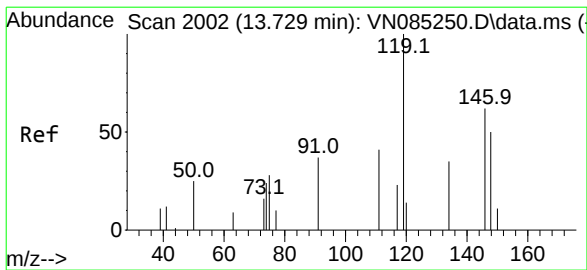
Tgt Ion:105 Resp: 181356

Ion Ratio Lower Upper

105 100

120 44.0 21.8 65.3

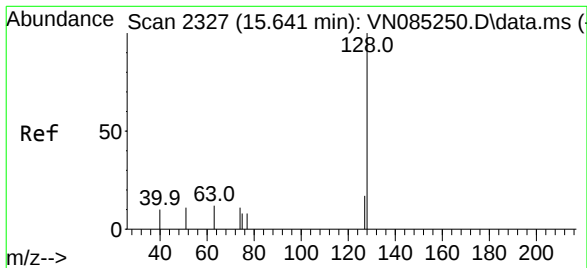
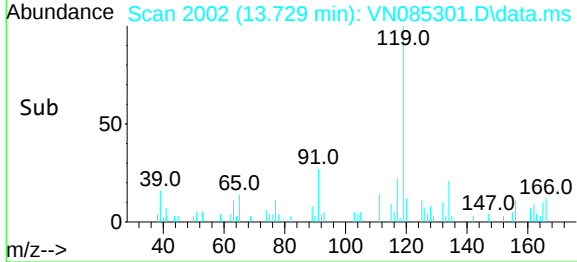
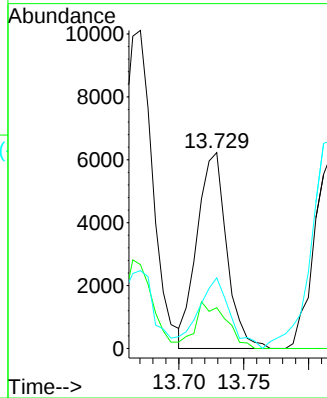
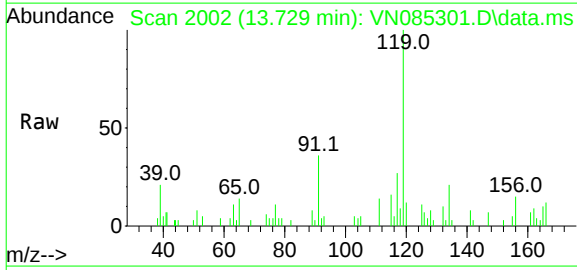




#86
p-Isopropyltoluene
Concen: 3.091 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085301.D
Acq: 23 Dec 2024 18:00

Instrument :
MSVOA_N
ClientSampleId :
SPLP-C12-3-M

Tgt Ion:119 Resp: 9927
Ion Ratio Lower Upper
119 100
134 24.4 12.5 37.5
91 0.0 13.0 38.9#



#95
Naphthalene
Concen: 1479.947 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN085301.D
Acq: 23 Dec 2024 18:00

Tgt Ion:128 Resp: 9862396
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 11.2 8.6 13.0

